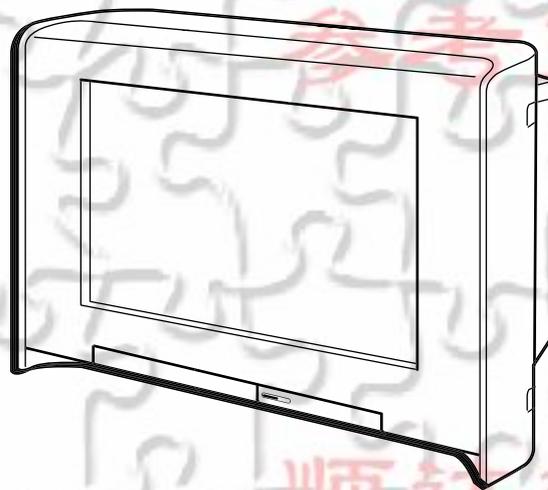


SERVICE MANUAL AX-1 CHASSIS

| <u>MODEL</u> | <u>COMMANDER</u> | <u>DEST.</u> | <u>CHASSIS NO.</u> | <u>MODEL</u> | <u>COMMANDER</u> | <u>DEST.</u> | <u>CHASSIS NO.</u> |
|--------------|------------------|--------------|--------------------|--------------|------------------|--------------|--------------------|
| KV-HX32M31 | RM-1008 | OCE | SCC-M13C-A | | | | |



RM-1008



KV-HX32M31

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TRINITRON® COLOR TV

电话: 0516-2951707

SONY®

www.DataSheet4U.com

Specifications

| | |
|---|--|
| Power requirements | 220–240 V AC, 50/60 Hz |
| Power consumption (W) | Indicated on the rear of the TV. |
| Television system | B/G, I, D/K, M |
| Color system | PAL, PAL 60, SECAM, NTSC4.43, NTSC3.58 |
| Available language for Teletext | English, Farsi, French |
| Stereo/Bilingual system | NICAM Stereo/Bilingual D/K, I, B/G; A2 Stereo/Bilingual (German) B/G |
| Channel coverage | |
| B/G | VHF : 0 to 12, 5A, 19A / UHF : 28 to 69 / CATV : S01 to S03, S1 to S41 (Australia only) VHF : 1 to 11 / UHF : 21 to 69 / CATV : S01 to S03, S1 to S41 (New Zealand only) VHF : E2 to E12 / UHF : E21 to E69 / CATV : S01 to S03, S1 to S41 |
| I | UHF : B21 to B68 / CATV : S01 to S03, S1 to S41 |
| D/K | VHF : C1 to C12, R1 to R12 / UHF : C13 to C57, R21 to R60 / CATV : S01 to S03, S1 to S41, Z1 to Z39 |
| M | VHF : A2 to A13 / UHF : A14 to A79/ CATV : A-8 to A-2, A to W+4, W+6 to W+84 |
| ⌚(Antenna) | 75-ohm external terminal |
| Audio output (Speaker) | 7.5W + 7.5W |
| Number of terminal | |
| 🎧 (Video) | Input: 4 Output: 1 Phono jacks; 1 Vp-p, 75 ohms |
| 🎵 (Audio) | Input: 6 Output: 1 Phono jacks; 500 mVrms |
| 📺 (S Video) | Input: 2 Y: 1 Vp-p, 75 ohms, unbalanced, sync negative C: 0.286 Vp-p, 75 ohms |
| 📺 (Component Video) | Input: 2 Phono jacks Y: 1 Vp-p, 75 ohms, sync negative P _B /C _B : 0.7 Vp-p, 75 ohms P _R /C _R : 0.7 Vp-p, 75 ohms Audio: 500 mVrms |
| 📺 (G/B/R/HD/VD Video) | Input: 1 Phono jacks G: 0.7 Vp-p, 75 ohms, B: 0.7 Vp-p, 75 ohms, R: 0.7 Vp-p, 75 ohms HD: 0.7 Vp-p, 75 ohms, VD: 0.7 Vp-p, 75 ohms |
| 🔊 (Center Speaker) | Input: 1 120 W max., 8 ohms |
| 🎧 (Headphones) | Output: 1 Stereo minijack |
| Picture tube | 32in. |
| Tube size (cm) (measured diagonally) | 82 |
| Screen size (cm) (measured diagonally) | 76 |
| Dimensions (w/h/d, mm) | 898 x 607 x 563 |
| Mass (kg) | 66.5 |

Design and specifications are subject to change without notice.

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(CAUTION)

SHORT CIRCUIT THE ANODE OF THE PICTURE TUBE AND THE ANODE CAP TO THE METAL CHASSIS, CRT SHIELD, OR CARBON PAINTED ON THE CRT, AFTER REMOVING THE ANODE.

WARNING!!

AN ISOLATION TRANSFORMER SHOULD BE USED DURING ANY SERVICE TO AVOID POSSIBLE SHOCK HAZARD, BECAUSE OF LIVE CHASSIS.

THE CHASSIS OF THIS RECEIVER IS DIRECTLY CONNECTED TO THE AC POWER LINE.

SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY SHADING AND MARK Δ ON THE SCHEMATIC DIAGRAMS, EXPLODED VIEWS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY. CIRCUIT ADJUSTMENTS THAT ARE CRITICAL TO SAFE OPERATION ARE IDENTIFIED IN THIS MANUAL. FOLLOW THESE PROCEDURES WHENEVER CRITICAL COMPONENTS ARE REPLACED OR IMPROPER OPERATION IS SUSPECTED.

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SECTION 1

SELF DIAGNOSIS FUNCTION

1. Summary of Self-Diagnosis Function

- This device includes a self-diagnosis function.
- In case of abnormalities, the  indicator automatically blinks. It is possible to predict the abnormality location by the number of blinks. The Instruction Manual describes blinking of the  indicator.
- If the symptom is not reproduced sometimes in case of a malfunction, there is recording of whether a malfunction was generated or not. Operate the remote command to confirm the matter on the screen and to predict the location of the abnormality.

2. Diagnosis Items and Prediction of Malfunction Location

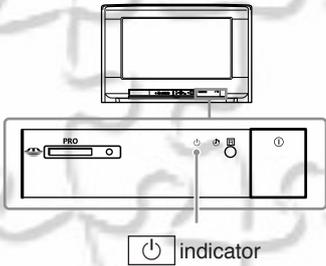
- When a malfunction occurs the  indicator only blinks for one of the following diagnosis items. In case of two or more malfunctions, the item which first occurred blinks. If the malfunctions occurred simultaneously, the item with the lower blink count blinks first.
- The screen display displays the results regarding all the diagnosis items listed below. The display “0” means that no malfunctions occurred.

| Diagnosis Item | Number of times  indicator blinks | Probable Cause Location | Detected Symptoms |
|---|--|--|--|
| +B overcurrent (OCP) | 2 times | T8001 (FBT) Rare short-circuit etc. (D board) Q5001 (H-OUT), Q5006 (D board) | Has entered standby mode. (Relay is off when the power turns on.) |
| +B overvoltage (OVP) | 3 times | +B load open (D board) R6570 Open PH8003, control system malfunction L2603 Open | Has entered standby mode. |
| Vertical deflection stopped (V-STOP) | 4 times | IC5101 (V. OUT) (D board) IC0401 (CXA2170Q) (MG board) | Has entered standby mode. |
| IK error (AKB ERROR) | 5 times | VIDEO OUT IC malfunction IC9001, 9002, 9003 (C board) IC0401 (CXA2170Q) (MG board) | Has not entered standby mode. |
| Low-B error | 6 times | Sub power supply system load shorted etc. (A board) | Has entered standby mode. |
| Horizontal deflection stopped (H-STOP) | 7 times | IC0401 (CXA2170Q) (MG board) Q5404 (S-COR-OUT), Q5001 (H-OUT), Q5006 | Has entered standby mode. |
| Audio Protector | 8 times | IC2000, 2001 malfunction (A board) | Has entered standby mode. |
| Zero Cross DET error | 9 times | RY6000 Power relay melting down (A board) | Has not entered standby mode. |
| High-Voltage stopped (HV-PROT) | 10 times | T8001 (FBT) rare short-circuit (D board) IC8002, Q8013, 8014, R8051 (D board) | Has entered standby mode. |

3. Blinking count display of indicator

< FRONT PANEL >

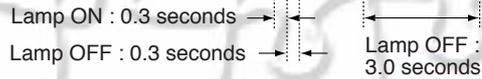
* One blink is not used for self-diagnosis.



¥EXAMPLE

<Diagnosis Items> □<Number of Blinks>

- ¥ +B overcurrent □ 2 times
- ¥ +B overvoltage □ 3 times
- ¥ Vertical deflection stop □ 4 times



Release of indicator blinking.

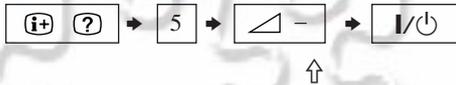
- The STAND BY indicator blinking display is released by turning OFF the power switch on the TV main unit or removing the plug from the power.
But in the RLY ERR (10 times blinking), do not release by tuning power off.
For details, refer to the item 1-6.

4. Self-diagnosis screen displays

- In cases of malfunctions where it is not possible to determine the symptom such as when the power goes off occasionally or when the screen disappears occasionally, there is a screen display on whether the malfunction occurred or not in the past (and whether the detection circuit operated or not) in order to allow confirmation.

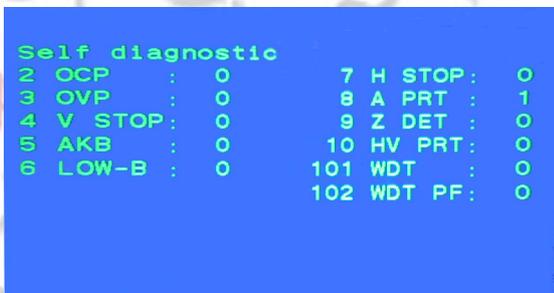
<Screen Display Method>

- Quickly press the remote command button in the following order from the standby state.



Be aware that this differs from the method of entering the service mode ().

Self-diagnosis screen display



- "G" : OK, "NG" : DETECTS ONCE OR MORE
- THE 10 DIGITS OF NUMERALS ARE FOR CHECKING, NO RELATION TO DIAGNOSIS.
- 101 : NO LED BLINKING FOR WDT.
- "0" : NUMBER OF DETECTION.

5. After the self-diagnosis operation

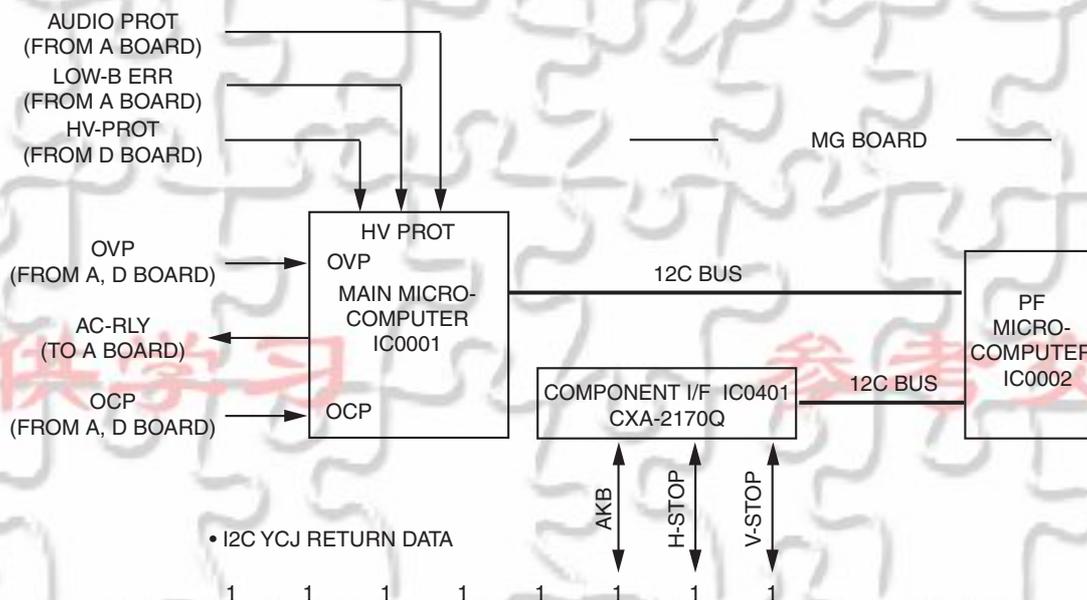
- The results display is not automatically cleared. In case of repairs and after repairs, check the self-diagnosis screen and be sure to return the results display to "0".
- If the results display is not returned to "0" it will not be possible to judge a new malfunction after completing repairs.

<Method of Clearing Results Display>

1. Power off (Set to the standby mode)
2. → 5 → + → (Service Mode)
3. Channel → (Test reset = Factory preset condition)

<Method of Ending Self Diagnosis Screen>

- When ending the self-diagnosis screen completely, turn the power switch OFF on the remote commander or the main unit.



| LED BLINKING TIMES | SYMPTOM |
|--------------------|-------------|
| 2 | +B OCP |
| 3 | +B OVP |
| 4 | V-STOP |
| 5 | AKB |
| 6 | LOW-B ERROR |
| 7 | H-STOP |
| 8 | AUDIO PROT |
| 9 | Z DET |
| 10 | HV PRT |

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| | |
|-------------|---|
| +B OCP | If the IC701 Pin 44 (+B OCP DET) is high 2 seconds, turn AC-RELAY low (P-OFF) and make STANDBY LED blinks twice. |
| +B OVP | If the IC701 Pin 45 (+B OVP DET) is high 2 seconds, turn AC-RELAY low (P-OFF) and make STANDBY LED blinks three times. |
| V-STOP | If the return data Bit0 (VNG) from CXA2150Q is "1" while 2 seconds, turn AC-RELAY low (P-OFF) and make STANDBY LED blinks four times. |
| AKB | If the return data Bit2 (IKREF) from CXA2150Q is "0" and there is no change for 20 seconds, make STANDBY LED blinks five times. At this time, AC-RELAY continues to high. |
| LOW-B ERROR | If the IC701 Pin 69 (AC-RELAY) is high and the Pin 43 (LOW-B ERROR DET) is low while 5 seconds, turn AC-RELAY low (P-OFF) and make STANDBY LED blinks six times. |
| H-STOP | If the return data Bit1 (HNG) from CXA2170 is "1" while 2 seconds, turn AC-RELAY low (P-OFF) and make STANDBY LED blinks seven times. |
| W. D. T. | Observes the watch dock timer (BUS COMMUNICATION ERROR DET) bus communication. If errors are detected, counts up and reform the bus communication and displays the number of time. (No LED blinking). |
| AUDIO PROT | In case of Pin 85 of IC101 (AUDIO PROT DET) turns high 60msec twice at a time, makes AC-RELAY turns low (Power off) and STANDBY-LED blinks 8 times. |
| HV-PROT | In case of Pin 33 of IC101 (HV-PROT DET) turns high 10 seconds continuously in normal operation or in BS fixed Stand-by, makes AC-RELAY turns low (Power off) and STANDBY-LED blinks 10 times. |
| Z DET | There are two causes for Zero Cross Error. Normally the pulse doubled AC power supply frequency is fed to Pin 8 of IC101. But in case of the abnormal pulse is fed, it makes AC-RELAY turns low (Power off) and STANDBY-LED blinks 9 times. In this case, "1" is not displayed in '9. Z DET' column in the self-diagnosis mode. |

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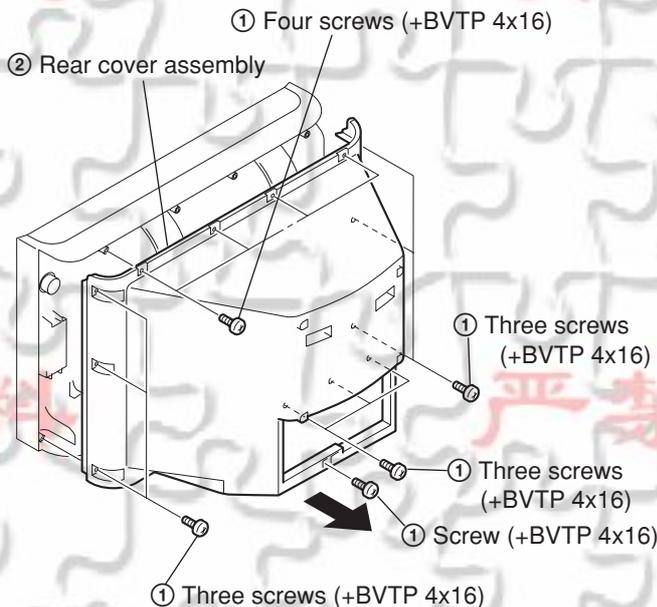
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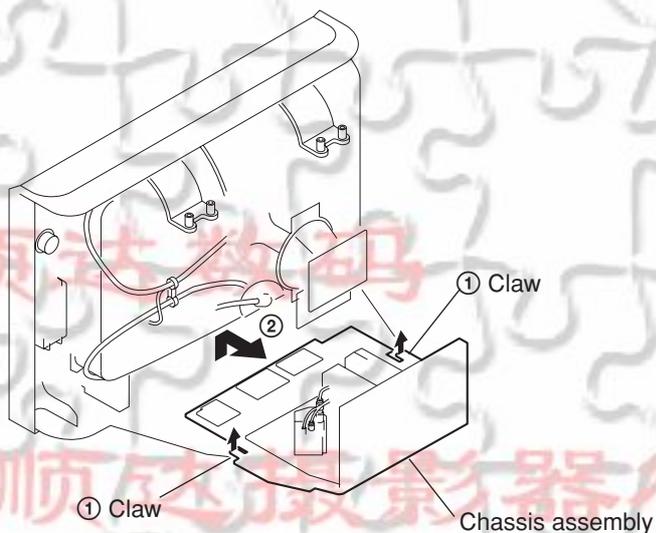
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SECTION 2 DISASSEMBLY

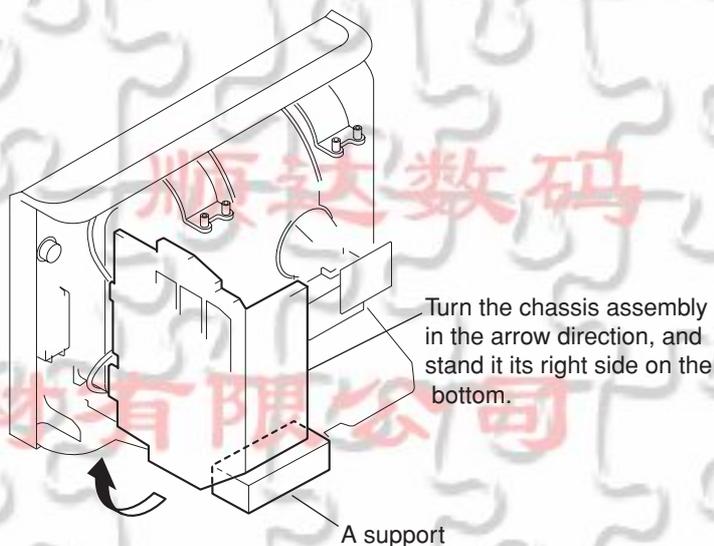
2-1. REAR COVER ASSEMBLY



2-2. CHASSIS ASSEMBLY

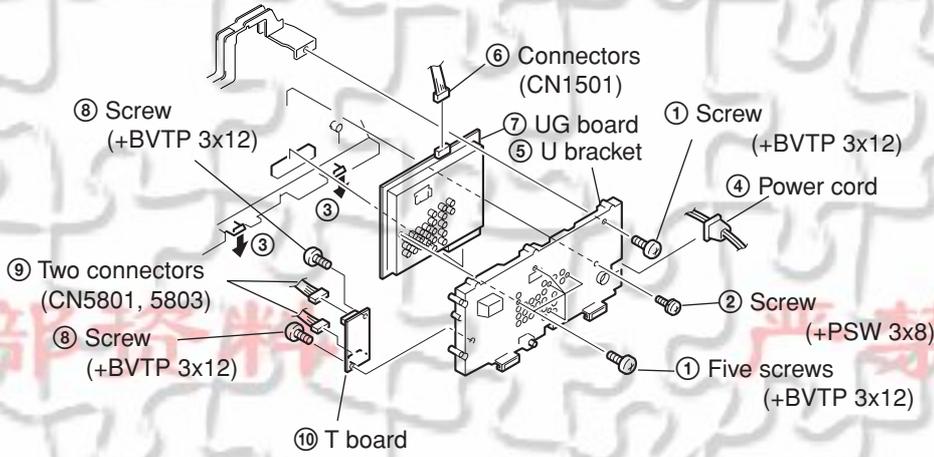


2-3. SERVICE POSITION

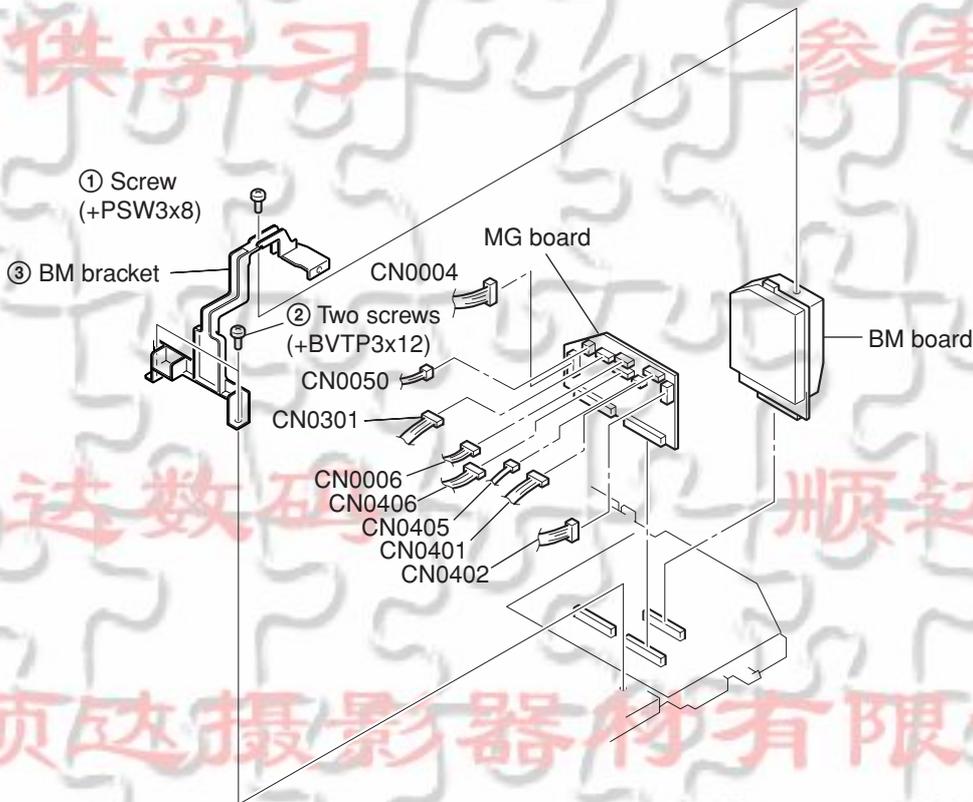


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2-4. T AND UG BOARDS

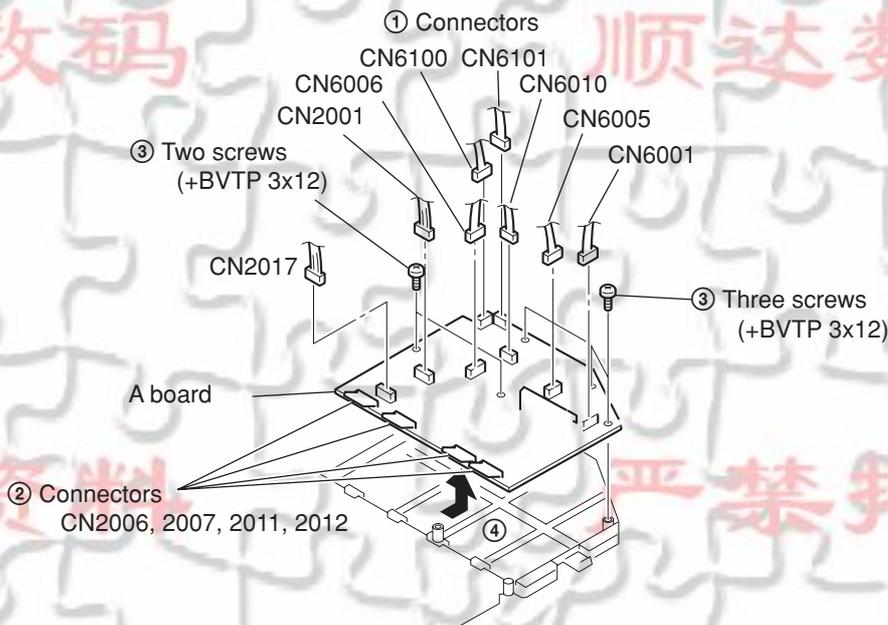


2-5. BM AND MG BOARDS

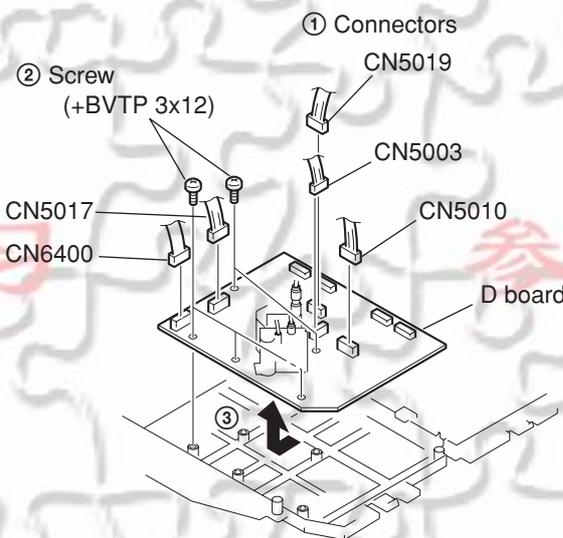


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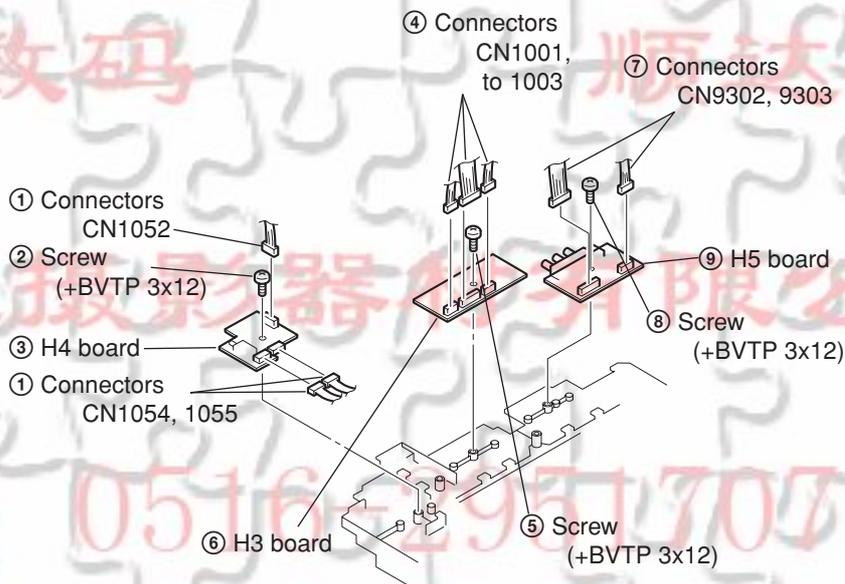
2-6. A BOARD



2-7. D BOARD



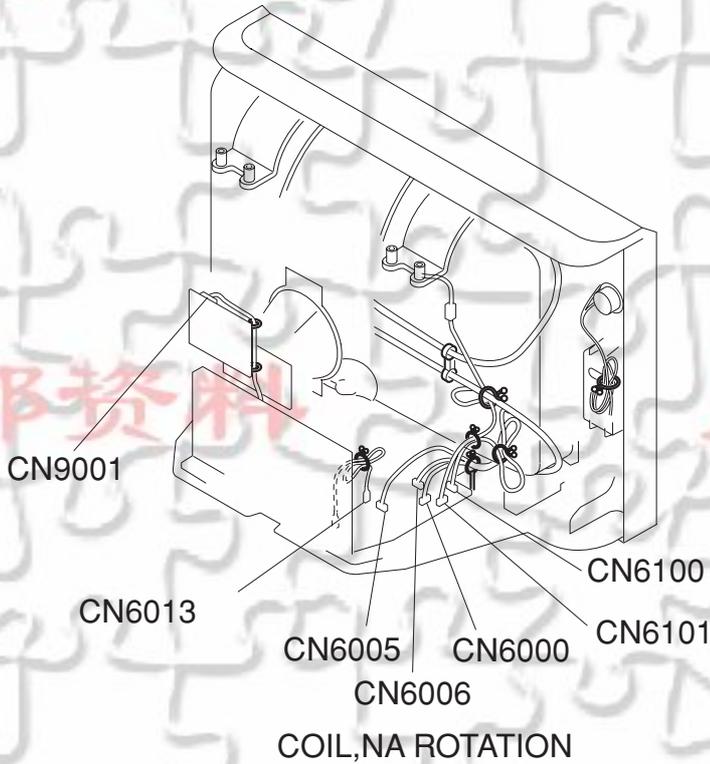
2-8. H3, H4 AND H5 BOARDS



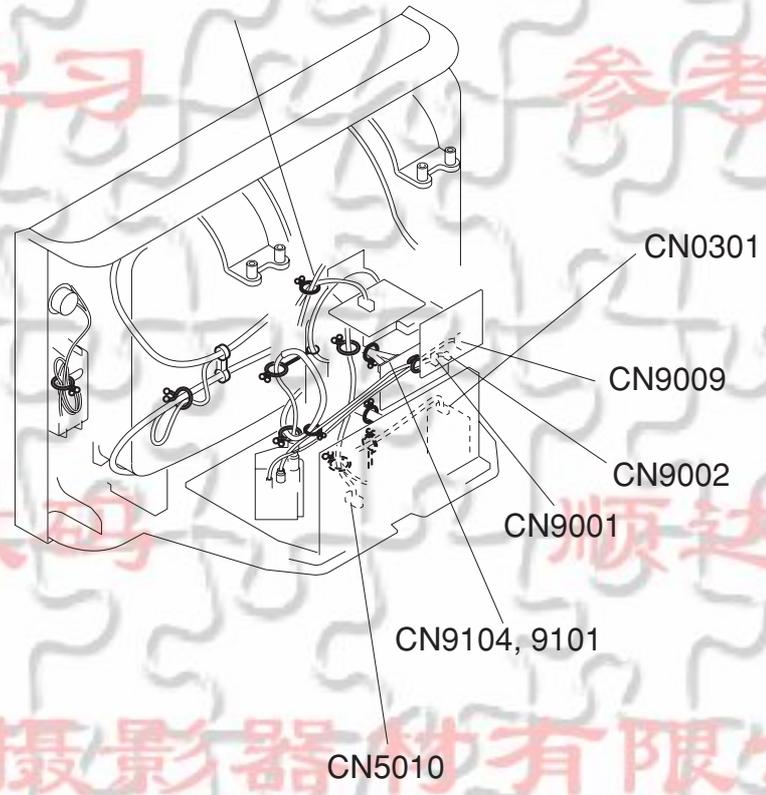
2-9. HARNESS ARRANGEMENT

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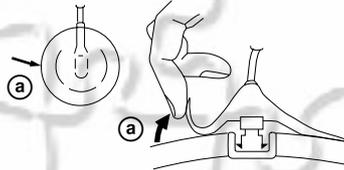
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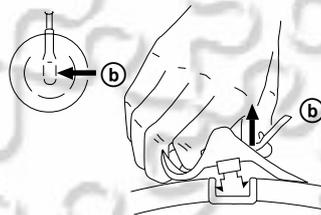
2-10. REMOVAL OF ANODE-CAP

NOTE : After removing the anode, short circuit the anode of the picture tube and the anode cap to the metal chassis, CRT shield or carbon paint on the CRT.

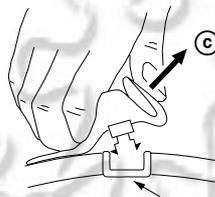
• REMOVING PROCEDURES



- ① Turn up one side of the rubber cap in the direction indicated by the arrow ①.



- ② Using a thumb pull up the rubber cap firmly in the direction indicated by the arrow ②.



- ③ When one side of the rubber cap is separated from the anode button, the anode-cap can be removed by turning up the rubber cap and pulling it up in the direction of the arrow ③.

• HOW TO HANDLE AN ANODE-CAP

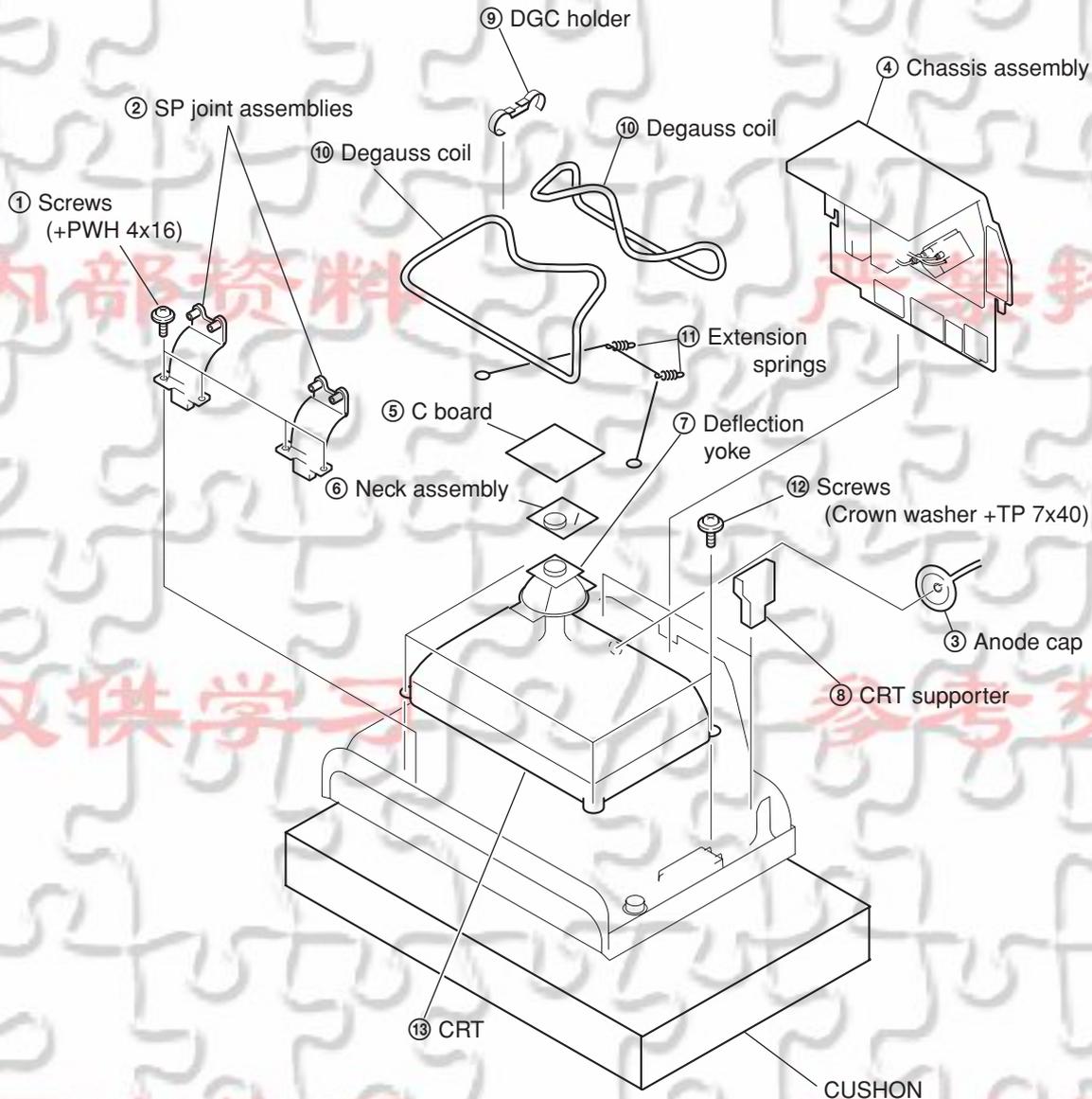
- ① Do not damage the surface of anode-caps with sharp shaped objects.
- ② Do not press the rubber too hard so as not to damage the inside of anode-cap. A metal fitting called the shatter-hook terminal is built into the rubber.
- ③ Do not turn the foot of rubber over too hard. The shatter-hook terminal will stick out or damage the rubber.



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2-11. CRT

NOTE: After removing the anode, short circuit the anode of the picture tube and the anode cap to the metal chassis, CRT shield or carbon paint on the CRT.



SECTION 3 SERVICE MODE

3-1. METHOD OF SETTING THE SERVICE ADJUSTMENT MODE

SERVICE MODE PROCEDURE

1. Standby mode. (Power off)
 2.  →  →  → 
- on the Remote Commander.
(Press each button within a second.)

3-2. SERVICE MODE ADJUSTMENT

| Item NO.(register name) | |
|-------------------------|-------------------|
| Category | Data |
| OSD 0 OSV□ 32□ | SERVICE□ 50□ CH□1 |

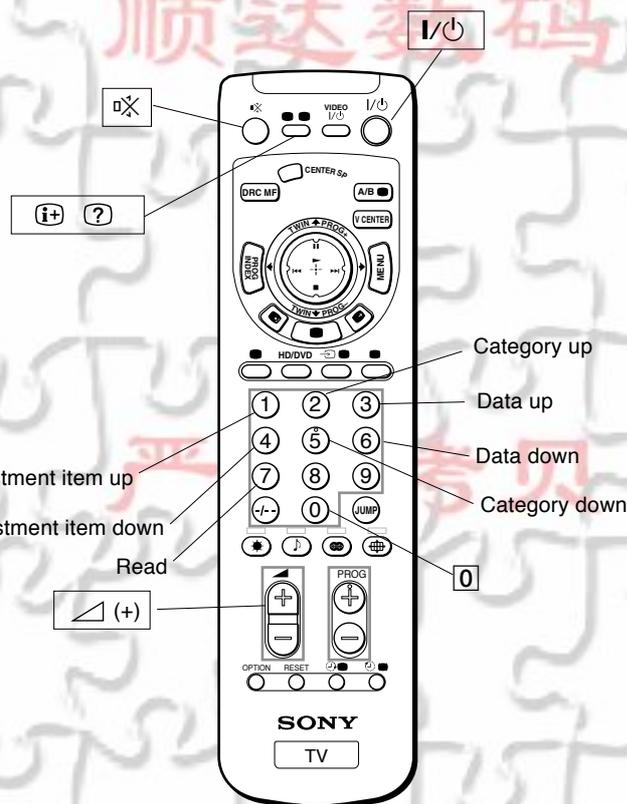
3. The SCREEN displays the item being adjusted.
4. Press  or  on the Remote Commander to select the category.
5. Press  or  on the Remote Commander to change the data.
6. Press  or  on the Remote Commander to select the adjustment item.
7. If you want to recover the latest values press  then  to read the memory.
8. Press  then  to write into memory.
9. Turn power off.

Note: Press  then  on the Remote Commander to initialize or turn set off and on to exit.

3-3. MEMORY WRITE CONFIRMATION METHOD

1. After adjustment, turn power off with the remote commander.
2. Turn power on and set to Service Mode.
3. Call the adjusted items again and confirm they were adjusted.

3-4. ADJUSTING BUTTONS AND INDICATOR



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3-5.SERVICE MODE LIST

OSD

| Functionality | | Range | Standards | Function | Remarks |
|---------------|------|-------|-----------|------------------------------------|---|
| No. | Name | | | | |
| 00 | OSV | | 32 | OSD V Position | |
| 01 | OSH | | 13 | OSD H Position | |
| 02 | FW1 | | 07 | OSD ODD/EVEN Field Window Setup #1 | |
| 03 | FW2 | | 20 | OSD ODD/EVEN Field Window Setup #2 | |
| 04 | VOF | | *1 | OSD V Position (Offset) | Wide/50/60/100/120/HD/Twin/Favorite/Index |

Standards *1

| Functionality | | FULL50 | FULL60 | FULL100 | FULL120 | WDZM50 | WDZM60 | WDZM100 |
|---------------|------|--------|--------|---------|---------|--------|--------|---------|
| No. | Name | | | | | | | |
| 04 | VOF | 32 | 32 | 32 | 32 | 32 | 32 | 32 |

| Functionality | | WDZM120 | ZOOM50 | ZOOM60 | ZOOM100 | ZOOM120 | INDEX50 | INDEX60 |
|---------------|------|---------|--------|--------|---------|---------|---------|---------|
| No. | Name | | | | | | | |
| 04 | VOF | 32 | 32 | 32 | 32 | 32 | 32 | 32 |

| Functionality | | FAVORITE50 | FAVORITE60 | TWIN50 | TWIN60 | HD50 | HD60 | MS |
|---------------|------|------------|------------|--------|--------|------|------|----|
| No. | Name | | | | | | | |
| 04 | VOF | 32 | 32 | 32 | 32 | 32 | 32 | 32 |

| Functionality | | VCOMP | VCOMP60 | VCOMP100 | VCOMP120 |
|---------------|------|-------|---------|----------|----------|
| No. | Name | | | | |
| 04 | VOF | 32 | 32 | 32 | 32 |

MSP

| Functionality | | Range | Standards | Function | Remarks |
|---------------|------|-------|-----------|----------------------------------|---------|
| No. | Name | | | | |
| 00 | WST | | 21 | W/G Stereo Threshold | |
| 01 | WBT | | 236 | W/G Bilingual Threshold | |
| 02 | WLL | | 05 | W/G Monaural Threshold | |
| 03 | WAC | | 01 | W/G Agreement Count | |
| 04 | WDL | | 48 | W/G Search Delay | |
| 05 | NDL | | 32 | NICAM Search Delay | |
| 06 | SDL | | 16 | Stereo status Read Delay | |
| 07 | AGC | | 01 | AGC Switch Auto/Constant | |
| 08 | REL | | 40 | AGC Gain at Constant Mode | |
| 09 | CRM | | 00 | Carrier muting on/off | |
| 10 | ACO | | 01 | Audio Clock out on/off | |
| 11 | FP | | 27 | FM Prescale for non-M system | |
| 12 | FPM | | 50 | FM Prescale for M system | |
| 13 | FH | | 54 | FM Prescale for HDEV | |
| 14 | FHM | | 101 | FM Prescale for HDEV and M | |
| 15 | WGP | | 28 | W/G Prescale | |
| 16 | NIP | | 127 | NICAM Prescale | |
| 17 | ERR | | 80 | Auto FM switch Threshold | |
| 18 | VOL | | 48 | Loud Speaker gain 0700h to 07FFh | |

顺达数码

顺达数码

顺达摄影器材有限公司

电话：0516-2951707

TEXT

| Functionality | | Range | Standards | Function | Remarks |
|---------------|------|-------|-----------|--|---------|
| No. | Name | | | | |
| 00 | TXH | | 35 | Teletext Horizontal Display Position | |
| 01 | TXV | | 63 | Teletext Vertical Display Position | |
| 02 | THD | | 56 | Teletext H-sync Active Edge Shift | |
| 03 | TVD | | 00 | Teletext V-sync Active Edge Shift | |
| 04 | HPL | | 00 | Teletext H-sync Polarity Configuration | |
| 05 | VPL | | 00 | Teletext V-sync Polarity Configuration | |
| 06 | FPL | | 01 | Teletext Field Polarity Configuration | |
| 07 | FMD | | 03 | Teletext Fastext/TOP Force Mode | |
| 08 | TBR | | 15 | Teletext RGB Brightness | |
| 09 | NOP | | 02 | Teletext National Option Table Configuration | |
| 10 | TCH | | 02 | Teletext Twisted Character Set Configuration | |

PIC

| Functionality | | Range | Standards | Function | Remarks |
|---------------|------|-------|-----------|--|-----------------------|
| No. | Name | | | | |
| 00 | PIC | | * 1 | User Picture | Picture Mode |
| 01 | COL | | * 1 | User Color | Picture Mode |
| 02 | BRI | | * 1 | User Bright | Picture Mode |
| 03 | HUE | | *1 | User Hue | Picture Mode |
| 04 | SHP | | * 1 | User Sharp | Picture Mode |
| 05 | PIOF | | *2 | Picture Offset (Picture * (20-data)/20 * Eco(75%)) | MS/NORMAL/MULTI/OTHER |

Standards *1

| Functionality | | Picture Mode | | | |
|---------------|------|--------------|----------|---------|----------|
| No. | Name | Dynamic | Standard | Hi-Fine | Personal |
| 00 | PIC | 100 | 80 | 60 | 50 |
| 01 | COL | 60 | 60 | 50 | 50 |
| 02 | BRI | 43 | 50 | 50 | 50 |
| 03 | HUE | 50 | 50 | 50 | 50 |
| 04 | SHP | 50 | 50 | 50 | 50 |

Standards *2

| Functionality | | Picture Offset | | | | |
|---------------|------|----------------|-------------|----|----------------|-------|
| No. | Name | MS | Normal(4:3) | HD | Twin/Index/Pap | Other |
| 05 | PIOF | 5 | 2 | 5 | 5 | 1 |

SOU

| Functionality | | Range | Standards | Function | | Remarks |
|---------------|------|-------|-----------|-------------|---|-----------|
| No. | Name | | | | | |
| 00 | BAS | | *1 | User Bass | S | ound Mode |
| 01 | TRE | | *1 | User Treble | S | ound Mode |

Standards *1

| Functionality | | Sound Mode | | | |
|---------------|------|------------|-------|------|----------|
| No. | Name | Dynamic | Drama | Soft | Personal |
| 00 | BAS | 50 | 50 | 50 | 50 |
| 01 | TRE | 50 | 50 | 50 | 50 |

DRC

| Functionality | | Range | Standards | Function | Remarks |
|---------------|------|-------|-----------|---|---------|
| No. | Name | | | | |
| 00 | CLAR | | *1 | User DRC Palette Initial number Clarity | |
| 01 | REAL | | *1 | User DRC Palette Initial Number Reality | |

Standards *1

| Functionality | | DRC Palette (TV Custom1) | | DRC Palette (TV Custom2) | | DRC Palette (TV Custom3) | | DRC Palette (Video Custom1) | | DRC Palette (Video Custom2) | |
|---------------|------|--------------------------|----------------|--------------------------|----------------|--------------------------|----------------|-----------------------------|----------------|-----------------------------|----------------|
| No. | Name | Dynamic | Std/HiFine/Per | Dynamic | Std/HiFine/Per | Dynamic | Std/HiFine/Per | Dynamic | Std/HiFine/Per | Dynamic | Std/HiFine/Per |
| 00 | CLAR | 01 | 01 | 50 | 50 | 80 | 80 | 01 | 01 | 50 | 50 |
| 01 | REAL | 25 | 25 | 55 | 55 | 90 | 90 | 25 | 25 | 55 | 55 |

| Functionality | | DRC Palette (Video Custom3) | | DRC Palette (Comp Custom1) | | DRC Palette (Comp Custom2) | | DRC Palette (Comp Custom3) | |
|---------------|------|-----------------------------|----------------|----------------------------|----------------|----------------------------|----------------|----------------------------|----------------|
| No. | Name | Dynamic | Std/HiFine/Per | Dynamic | Std/HiFine/Per | Dynamic | Std/HiFine/Per | Dynamic | Std/HiFine/Per |
| 00 | CLAR | 80 | 80 | 01 | 01 | 50 | 50 | 80 | 80 |
| 01 | REAL | 90 | 90 | 25 | 25 | 55 | 55 | 90 | 90 |

LUMA

| Functionality | | Range | Standards |
|---------------|------|-------|-----------|
| No. | Name | | |
| 0 | BROF | 0-7 | *1 |
| 1 | GAMM | 0-7 | *1 |
| 2 | GAMS | 0-15 | *2 |
| 3 | RGAM | 0-15 | *2 |
| 4 | GGAM | 0-15 | *2 |
| 5 | BGAM | 0-15 | *2 |
| 6 | BLK | 0-7 | *1 |
| 7 | APED | 0-3 | *3 |
| 8 | DCTR | 0-15 | *3 |
| 9 | ABLM | 0-3 | *3 |

Standards *1

RF / CV / YC / COMP

| No. | Name | Dynamic | | | | | | | | | | | | | |
|-----|------|-----------------|----------------|----------------|-----------------|----------------|----------------|---------|---------|---------|---------|---------|---------|----------|----------|
| | | RF | | | CV/YC | | | Comp | | | | | | | |
| | | 480_60I NTSC | 480_60I PAL | 576_50I PAL | 480_60I NTSC | 480_60I PAL | 576_50I PAL | 480_60I | 576_50I | 480_60P | 576_50P | 720_60P | 720_50P | 1080_60I | 1080_50I |
| 0 | BROF | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 4 | 1 | 1 | 1 | 1 | 3 | 3 |
| 1 | GAMM | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 6 | BLK | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |

| No. | Name | Standard | | | | | | | | | | | | | |
|-----|------|-----------------|----------------|----------------|-----------------|----------------|----------------|---------|---------|---------|---------|---------|---------|----------|----------|
| | | RF | | | CV/YC | | | Comp | | | | | | | |
| | | 480_60I NTSC | 480_60I PAL | 576_50I PAL | 480_60I NTSC | 480_60I PAL | 576_50I PAL | 480_60I | 576_50I | 480_60P | 576_50P | 720_60P | 720_50P | 1080_60I | 1080_50I |
| 0 | BROF | 5 | 5 | 5 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 1 | 1 | 1 | 1 |
| 1 | GAMM | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 6 | BLK | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 5 |

| No. | Name | Hi-fine | | | | | | | | | | | | | |
|-----|------|-----------------|----------------|----------------|-----------------|----------------|----------------|---------|---------|---------|---------|---------|---------|----------|----------|
| | | RF | | | CV/YC | | | Comp | | | | | | | |
| | | 480_60I NTSC | 480_60I PAL | 576_50I PAL | 480_60I NTSC | 480_60I PAL | 576_50I PAL | 480_60I | 576_50I | 480_60P | 576_50P | 720_60P | 720_50P | 1080_60I | 1080_50I |
| 0 | BROF | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1 | GAMM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 6 | BLK | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

| No. | Name | Personal | | | | | | | | | | | | | |
|-----|------|-----------------|----------------|----------------|-----------------|----------------|----------------|---------|---------|---------|---------|---------|---------|----------|----------|
| | | RF | | | CV/YC | | | Comp | | | | | | | |
| | | 480_60I NTSC | 480_60I PAL | 576_50I PAL | 480_60I NTSC | 480_60I PAL | 576_50I PAL | 480_60I | 576_50I | 480_60P | 576_50P | 720_60P | 720_50P | 1080_60I | 1080_50I |
| 0 | BROF | 5 | 5 | 5 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 1 | 1 | 1 | 1 |
| 1 | GAMM | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 6 | BLK | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 5 |

RGB / MS / Twin

| No. | Name | Dynamic | | | | | | | | | | | | | | |
|-----|------|---------|---------|---------|---------|---------|---------|----------|----------|-------|------|-------|--------|-------|------------|------|
| | | RGB | | | | | | | MS | | | | | | | Twin |
| | | 480_60I | 576_50I | 480_60P | 576_50P | 720_60P | 720_50P | 1080_60I | 1080_50I | Index | Full | Popup | Player | Movie | All Format | |
| 0 | BROF | 4 | 4 | 1 | 1 | 1 | 1 | 3 | 3 | 1 | 1 | 1 | 1 | 1 | 0 | |
| 1 | GAMM | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | |
| 6 | BLK | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 5 | 5 | 5 | 5 | 5 | 5 | |

| No. | Name | Standard | | | | | | | | | | | | | | |
|-----|------|----------|---------|---------|---------|---------|---------|----------|----------|-------|------|-------|--------|-------|------------|------|
| | | RGB | | | | | | | MS | | | | | | | Twin |
| | | 480_60I | 576_50I | 480_60P | 576_50P | 720_60P | 720_50P | 1080_60I | 1080_50I | Index | Full | Popup | Player | Movie | All Format | |
| 0 | BROF | 4 | 4 | 4 | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | |
| 1 | GAMM | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | |
| 6 | BLK | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | |

| No. | Name | Hi-Fine | | | | | | | | | | | | | | |
|-----|------|---------|---------|---------|---------|---------|---------|----------|----------|-------|------|-------|--------|-------|------------|------|
| | | RGB | | | | | | | MS | | | | | | | Twin |
| | | 480_60I | 576_50I | 480_60P | 576_50P | 720_60P | 720_50P | 1080_60I | 1080_50I | Index | Full | Popup | Player | Movie | All Format | |
| 0 | BROF | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 1 | GAMM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 6 | BLK | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |

| No. | Name | Personal | | | | | | | | | | | | | | |
|-----|------|----------|---------|---------|---------|---------|---------|----------|----------|-------|------|-------|--------|-------|------------|------|
| | | RGB | | | | | | | MS | | | | | | | Twin |
| | | 480_60I | 576_50I | 480_60P | 576_50P | 720_60P | 720_50P | 1080_60I | 1080_50I | Index | Full | Popup | Player | Movie | All Format | |
| 0 | BROF | 4 | 4 | 4 | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | |
| 1 | GAMM | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | |
| 6 | BLK | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | |

Standards *2

| No. | Name | GAMMA0 | GAMMA1 | GAMMA2 | GAMMA3 | GAMMA4 | GAMMA5 | GAMMA6 | GAMMA7 |
|-----|------|--------|--------|--------|--------|--------|--------|--------|--------|
| 2 | GAMS | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 |
| 3 | RGAM | 0 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 4 | GGAM | 0 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 5 | BGAM | 0 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |

Standards *3

| No. | Name | BLK0 | BLK1 | BLK2 | BLK3 | BLK4 | BLK5 | BLK6 | BLK7 |
|-----|------|------|------|------|------|------|------|------|------|
| 7 | APED | 0 | 1 | 3 | 3 | 2 | 1 | 3 | 2 |
| 8 | DCTR | 0 | 5 | 8 | 15 | 10 | 5 | 10 | 10 |
| 9 | ABLM | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 1 |

COLR

| Functionality | | Range | Standards |
|---------------|------|-------|-----------|
| No. | Name | | |
| 0 | CLOF | 0-7 | *1 |
| 1 | HUOF | 0-7 | *1 |
| 2 | RDRV | 0-63 | 41 |
| 3 | GDRV | 0-63 | 30 |
| 4 | BDRV | 0-63 | 35 |
| 5 | RCUT | 0-63 | 41 |
| 6 | GCUT | 0-63 | 31 |
| 7 | BCUT | 0-63 | 24 |
| 8 | SBRT | 0-63 | 25 |
| 9 | DCOL | 0-3 | 1 |
| 10 | WBSW | 0-1 | *2 |
| 11 | SBOF | 0-7 | *2 |
| 12 | RDOF | 0-63 | *2 |
| 13 | GDOF | 0-63 | *2 |
| 14 | BDOF | 0-63 | *2 |
| 15 | RCOF | 0-63 | *2 |
| 16 | GCOF | 0-63 | *2 |
| 17 | BCOF | 0-63 | *2 |
| 18 | AXIS | 0-3 | *1 |
| 19 | R-YR | 0-15 | *3 |
| 20 | R-YB | 0-15 | *3 |
| 21 | G-YR | 0-15 | *3 |
| 22 | G-YB | 0-15 | *3 |

Standards *1

RF / CV / YC / COMP

| No. | Name | Dynamic | | | | | | | | | | | | | |
|-----|------|-----------------|----------------|----------------|-----------------|----------------|----------------|---------|---------|---------|---------|---------|---------|----------|----------|
| | | RF | | | CV/YC | | | Comp | | | | | | | |
| | | 480_60I NTSC | 480_60I PAL | 576_50I PAL | 480_60I NTSC | 480_60I PAL | 576_50I PAL | 480_60I | 576_50I | 480_60P | 576_50P | 720_60P | 720_50P | 1080_60I | 1080_50I |
| 0 | CLOF | 6 | 6 | 6 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 5 | 5 | 5 | 5 |
| 1 | HUOF | 3 | 3 | 1 | 3 | 3 | 1 | 3 | 2 | 3 | 3 | 3 | 3 | 3 | 3 |
| 18 | AXIS | 3 | 3 | 1 | 3 | 3 | 1 | 3 | 1 | 3 | 1 | 3 | 1 | 3 | 1 |

| No. | Name | Standard | | | | | | | | | | | | | |
|-----|------|-----------------|----------------|----------------|-----------------|----------------|----------------|---------|---------|---------|---------|---------|---------|----------|----------|
| | | RF | | | CV/YC | | | Comp | | | | | | | |
| | | 480_60I NTSC | 480_60I PAL | 576_50I PAL | 480_60I NTSC | 480_60I PAL | 576_50I PAL | 480_60I | 576_50I | 480_60P | 576_50P | 720_60P | 720_50P | 1080_60I | 1080_50I |
| 0 | CLOF | 1 | 1 | 3 | 1 | 1 | 3 | 1 | 3 | 4 | 4 | 4 | 4 | 4 | 4 |
| 1 | HUOF | 3 | 3 | 1 | 3 | 3 | 1 | 3 | 2 | 3 | 3 | 3 | 3 | 3 | 3 |
| 18 | AXIS | 3 | 3 | 1 | 3 | 3 | 1 | 3 | 1 | 3 | 1 | 3 | 1 | 3 | 1 |

| No. | Name | Hi-Fine | | | | | | | | | | | | | |
|-----|------|-----------------|----------------|----------------|-----------------|----------------|----------------|---------|---------|---------|---------|---------|---------|----------|----------|
| | | RF | | | CV/YC | | | Comp | | | | | | | |
| | | 480_60I NTSC | 480_60I PAL | 576_50I PAL | 480_60I NTSC | 480_60I PAL | 576_50I PAL | 480_60I | 576_50I | 480_60P | 576_50P | 720_60P | 720_50P | 1080_60I | 1080_50I |
| 0 | CLOF | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 1 | HUOF | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 18 | AXIS | 3 | 3 | 1 | 3 | 3 | 1 | 3 | 1 | 3 | 1 | 3 | 1 | 3 | 1 |

| No. | Name | Personal | | | | | | | | | | | | | |
|-----|------|-----------------|----------------|----------------|-----------------|----------------|----------------|---------|---------|---------|---------|---------|---------|----------|----------|
| | | RF | | | CV/YC | | | Comp | | | | | | | |
| | | 480_60I NTSC | 480_60I PAL | 576_50I PAL | 480_60I NTSC | 480_60I PAL | 576_50I PAL | 480_60I | 576_50I | 480_60P | 576_50P | 720_60P | 720_50P | 1080_60I | 1080_50I |
| 0 | CLOF | 1 | 1 | 3 | 1 | 1 | 3 | 1 | 3 | 4 | 4 | 4 | 4 | 4 | 4 |
| 1 | HUOF | 3 | 3 | 1 | 3 | 3 | 1 | 3 | 2 | 3 | 3 | 3 | 3 | 3 | 3 |
| 18 | AXIS | 3 | 3 | 1 | 3 | 3 | 1 | 3 | 1 | 3 | 1 | 3 | 1 | 3 | 1 |

RGB / MS / Twin

| No. | Name | Dynamic | | | | | | | | | | | | | | |
|-----|------|---------|---------|---------|---------|---------|---------|----------|----------|-------|------|-------|--------|-------|------------|------|
| | | RGB | | | | | | MS | | | | | | | | Twin |
| | | 480_60I | 576_50I | 480_60P | 576_50P | 720_60P | 720_50P | 1080_60I | 1080_50I | Index | Full | Popup | Player | Movie | All Format | |
| 0 | CLOF | 6 | 6 | 6 | 6 | 5 | 5 | 5 | 5 | 7 | 7 | 7 | 7 | 7 | 6 | |
| 1 | HUOF | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | |
| 18 | AXIS | 3 | 1 | 3 | 1 | 3 | 1 | 3 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | |

| No. | Name | Standard | | | | | | | | | | | | | | |
|-----|------|----------|---------|---------|---------|---------|---------|----------|----------|-------|------|-------|--------|-------|------------|------|
| | | RGB | | | | | | MS | | | | | | | | Twin |
| | | 480_60I | 576_50I | 480_60P | 576_50P | 720_60P | 720_50P | 1080_60I | 1080_50I | Index | Full | Popup | Player | Movie | All Format | |
| 0 | CLOF | 1 | 1 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | |
| 1 | HUOF | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | |
| 18 | AXIS | 3 | 1 | 3 | 1 | 3 | 1 | 3 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | |

| No. | Name | Hi-Fine | | | | | | | | | | | | | | |
|-----|------|---------|---------|---------|---------|---------|---------|----------|----------|-------|------|-------|--------|-------|------------|------|
| | | RGB | | | | | | MS | | | | | | | | Twin |
| | | 480_60I | 576_50I | 480_60P | 576_50P | 720_60P | 720_50P | 1080_60I | 1080_50I | Index | Full | Popup | Player | Movie | All Format | |
| 0 | CLOF | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | |
| 1 | HUOF | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | |
| 18 | AXIS | 3 | 1 | 3 | 1 | 3 | 1 | 3 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | |

| No. | Name | Personal | | | | | | | | | | | | | | |
|-----|------|----------|---------|---------|---------|---------|---------|----------|----------|-------|------|-------|--------|-------|------------|------|
| | | RGB | | | | | | MS | | | | | | | | Twin |
| | | 480_60I | 576_50I | 480_60P | 576_50P | 720_60P | 720_50P | 1080_60I | 1080_50I | Index | Full | Popup | Player | Movie | All Format | |
| 0 | CLOF | 1 | 1 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | |
| 1 | HUOF | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | |
| 18 | AXIS | 3 | 1 | 3 | 1 | 3 | 1 | 3 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | |

Standards #2

| No. | Name | COOL | WARM | MIDCOOL |
|-----|------|------|------|---------|
| 10 | WBSW | 0 | 1 | 0 |
| 11 | SBOF | 3 | 3 | 3 |
| 12 | RDOF | 31 | 31 | 31 |
| 13 | GDOF | 32 | 35 | 31 |
| 14 | BDOF | 35 | 44 | 31 |
| 15 | RCOF | 31 | 19 | 31 |
| 16 | GCOF | 32 | 33 | 31 |
| 17 | BCOF | 38 | 63 | 31 |

Standards #3

| No. | Name | AXIS0 | AXIS1 | AXIS2 | AXIS3 |
|-----|------|-------|-------|-------|-------|
| 19 | R-YR | 8 | 14 | 9 | 9 |
| 20 | R-YB | 9 | 15 | 15 | 9 |
| 21 | G-YR | 9 | 8 | 9 | 9 |
| 22 | G-YB | 6 | 4 | 7 | 7 |

码

顺达数码

内部资料

严禁拷贝

仅供学习

参考交换

顺达数码

顺达数码

顺达摄影器材有限公司

电话：0516-2951707

CLTY

| Functionality | | Range | Standards |
|---------------|------|-------|-----------|
| No. | Name | | |
| 0 | SYSM | 0-3 | *1 |
| 1 | UVML | 0-3 | *1 |
| 2 | VMCR | 0-3 | *1 |
| 3 | VMLM | 0-3 | *1 |
| 4 | VMF0 | 0-3 | *1 |
| 5 | VMDL | 0-15 | *1 |
| 6 | SHOF | 0-3 | *1 |
| 7 | SHF0 | 0-1 | *1 |
| 8 | PROV | 0-3 | *1 |
| 9 | FILV | 0-3 | *1 |
| 10 | LTLV | 0-3 | *1 |
| 11 | LTMD | 0-1 | *1 |
| 12 | CTLV | 0-3 | *1 |
| 13 | MIDE | 0-63 | *1 |
| 14 | VMLV | 0-15 | *2 |

Standards *1

| No. | Name | Dynamic | | | | | | | | | | | | | |
|-----|------|---------|---------|---------|---------|---------|---------|---------|---------|---------|--------|---------|---------|----------|----------|
| | | RF | | | CV/YC | | | Comp | | | | | | | |
| | | 480_60I | 480_60I | 576_50I | 480_60I | 480_60I | 576_50I | 480_60I | 576_50I | 480_60B | 76_50P | 720_60P | 720_50P | 1080_60I | 1080_50I |
| 0 | SYSM | 1 | 1 | 1 | 2 | 1 | 1 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 |
| 1 | UVML | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 2 | VMCR | 0 | 0 | 0 | 2 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 | VMLM | 3 | 3 | 3 | 3 | 3 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 | VMF0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 5 | VMDL | 8 | 8 | 8 | 3 | 3 | 3 | 3 | 3 | 5 | 5 | 5 | 5 | 10 | 10 |
| 6 | SHOF | 3 | 3 | 3 | 3 | 3 | 3 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 |
| 7 | SHF0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 8 | PROV | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 9 | FILV | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 3 | 3 | 0 | 0 |
| 10 | LTLV | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 11 | LTMD | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 12 | CTLV | 3 | 3 | 3 | 3 | 3 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13 | MIDE | 3 | 3 | 3 | 7 | 7 | 7 | 11 | 11 | 27 | 27 | 19 | 19 | 19 | 19 |

| No. | Name | Dynamic | | | | | | | | | | | | | |
|-----|------|---------|---------|---------|---------|---------|----------|----------|-------|------|-------|--------|-------|------|----|
| | | RGB | | | | | | | MS | | | | | | |
| | | 480_60I | 576_50I | 480_60P | 576_50P | 720_60P | 1080_60I | 1080_50I | Index | Full | Popup | Player | Movie | Twin | |
| 0 | SYSM | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 2 |
| 1 | UVML | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 2 | 2 | 2 | 2 | 3 |
| 2 | VMCR | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 | VMLM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 | VMF0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 5 | VMDL | 3 | 3 | 5 | 5 | 5 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 5 | 5 |
| 6 | SHOF | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 7 | SHF0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 8 | PROV | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 9 | FILV | 0 | 0 | 2 | 2 | 3 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10 | LTLV | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 0 | 0 | 0 | 0 | 0 | 3 |
| 11 | LTMD | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 12 | CTLV | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13 | MIDE | 11 | 11 | 27 | 27 | 19 | 19 | 19 | 19 | 23 | 23 | 23 | 23 | 23 | 27 |

| No. | Name | Standard | | | | | | | | | | | | | |
|-----|------|----------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------|----------|
| | | RF | | | CV/YC | | | Comp | | | | | | | |
| | | 480_60I | 480_60I | 576_50I | 480_60I | 480_60I | 576_50I | 480_60I | 576_50I | 480_60P | 576_50P | 720_60P | 720_50P | 1080_60I | 1080_50I |
| 0 | SYSM | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 |
| 1 | UVML | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 2 | VMCR | 0 | 0 | 0 | 2 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 | VMLM | 3 | 3 | 3 | 3 | 3 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 | VMF0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 5 | VMDL | 8 | 8 | 8 | 3 | 3 | 3 | 3 | 3 | 5 | 5 | 5 | 5 | 10 | 10 |
| 6 | SHOF | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 7 | SHF0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 8 | PROV | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 9 | FILV | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 |
| 10 | LTLV | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| 11 | LTMD | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 12 | CTLV | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13 | MIDE | 2 | 2 | 2 | 6 | 6 | 6 | 10 | 10 | 26 | 26 | 18 | 18 | 18 | 18 |

| No. | Name | Standard | | | | | | | | | | | | | |
|-----|------|----------|---------|---------|---------|---------|----------|----------|-------|------|-------|--------|-------|------|----|
| | | RGB | | | | | | | MS | | | | | | |
| | | 480_60I | 576_50I | 480_60P | 576_50P | 720_60P | 1080_60I | 1080_50I | Index | Full | Popup | Player | Movie | Twin | |
| 0 | SYSM | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 2 |
| 1 | UVML | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 2 | 2 | 2 | 2 | 3 |
| 2 | VMCR | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 | VMLM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 | VMF0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 5 | VMDL | 3 | 3 | 5 | 5 | 5 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 5 | 5 |
| 6 | SHOF | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 7 | SHF0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 8 | PROV | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 9 | FILV | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10 | LTLV | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11 | LTMD | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 12 | CTLV | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13 | MIDE | 10 | 10 | 26 | 26 | 18 | 18 | 18 | 18 | 22 | 22 | 22 | 22 | 22 | 26 |

| No. | Name | Hi-Fine | | | | | | | | | | | | | |
|------|------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------|----------|
| | | RF | | | CV/YC | | | Comp | | | | | | | |
| | | 480_60I | 480_60I | 576_50I | 480_60I | 480_60I | 576_50I | 480_60I | 576_50I | 480_60P | 576_50P | 720_60P | 720_50P | 1080_60I | 1080_50I |
| NTSC | PAL | PAL | NTSC | PAL | PAL | | | | | | | | | | |
| 0 | SYSM | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 |
| 1 | UVML | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 2 | VMCR | 0 | 0 | 0 | 2 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 | VMLM | 3 | 3 | 3 | 3 | 3 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 | VMFO | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 5 | VMDL | 8 | 8 | 8 | 3 | 3 | 3 | 3 | 3 | 5 | 5 | 5 | 5 | 10 | 10 |
| 6 | SHOF | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 7 | SHFO | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 8 | PROV | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 9 | FILV | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10 | LTLV | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11 | LTMD | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 12 | CTLV | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13 | MIDE | 0 | 0 | 0 | 4 | 4 | 4 | 8 | 8 | 24 | 24 | 16 | 16 | 16 | 16 |

| No. | Name | Hi-Fine | | | | | | | | | | | | | |
|-----|------|---------|---------|---------|---------|---------|---------|----------|----------|-------|------|-------|--------|-------|------------|
| | | RGB | | | | | | | MS | | | | | | Twin |
| | | 480_60I | 576_50I | 480_60P | 576_50P | 720_60P | 720_50P | 1080_60I | 1080_50I | Index | Full | Popup | Player | Movie | All Format |
| 0 | SYSM | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 2 |
| 1 | UVML | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 2 | 2 | 2 | 2 | 3 |
| 2 | VMCR | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 | VMLM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 | VMFO | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 5 | VMDL | 3 | 3 | 5 | 5 | 5 | 5 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 5 |
| 6 | SHOF | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 7 | SHFO | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 8 | PROV | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 9 | FILV | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10 | LTLV | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11 | LTMD | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 12 | CTLV | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13 | MIDE | 8 | 8 | 24 | 24 | 16 | 16 | 16 | 16 | 20 | 20 | 20 | 20 | 20 | 24 |

| No. | Name | Personal | | | | | | | | | | | | | |
|------|------|----------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------|----------|
| | | RF | | | CV/YC | | | Comp | | | | | | | |
| | | 480_60I | 480_60I | 576_50I | 480_60I | 480_60I | 576_50I | 480_60I | 576_50I | 480_60P | 576_50P | 720_60P | 720_50P | 1080_60I | 1080_50I |
| NTSC | PAL | PAL | NTSC | PAL | PAL | | | | | | | | | | |
| 0 | SYSM | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 |
| 1 | UVML | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 2 | VMCR | 0 | 0 | 0 | 2 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 | VMLM | 3 | 3 | 3 | 3 | 3 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 | VMFO | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 5 | VMDL | 8 | 8 | 8 | 3 | 3 | 3 | 3 | 3 | 5 | 5 | 5 | 5 | 10 | 10 |
| 6 | SHOF | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 7 | SHFO | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 8 | PROV | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 9 | FILV | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 |
| 10 | LTLV | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| 11 | LTMD | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 12 | CTLV | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13 | MIDE | 2 | 2 | 2 | 6 | 6 | 6 | 10 | 10 | 26 | 26 | 18 | 18 | 18 | 18 |

| No. | Name | Personal | | | | | | | | | | | | | |
|-----|------|----------|---------|---------|---------|---------|---------|----------|----------|-------|------|-------|--------|-------|------------|
| | | RGB | | | | | | | MS | | | | | | Twin |
| | | 480_60I | 576_50I | 480_60P | 576_50P | 720_60P | 720_50P | 1080_60I | 1080_50I | Index | Full | Popup | Player | Movie | All Format |
| 0 | SYSM | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 2 |
| 1 | UVML | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 2 | 2 | 2 | 2 | 3 |
| 2 | VMCR | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 | VMLM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 | VMFO | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 5 | VMDL | 3 | 3 | 5 | 5 | 5 | 5 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 5 |
| 6 | SHOF | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 7 | SHFO | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 8 | PROV | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 9 | FILV | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10 | LTLV | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11 | LTMD | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 12 | CTLV | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13 | MIDE | 10 | 10 | 26 | 26 | 18 | 18 | 18 | 18 | 22 | 22 | 22 | 22 | 22 | 26 |

Standards #2

| No. | Name | Dynamic | | | Standard | | | Hi-Fine | | | Personal | | |
|-----|------|---------|-----|------|----------|-----|------|---------|-----|------|----------|-----|------|
| | | LOW | MID | HIGH | LOW | MID | HIGH | LOW | MID | HIGH | LOW | MID | HIGH |
| 14 | VMLV | 15 | 10 | 15 | 6 | 5 | 10 | 4 | 5 | 5 | 4 | 5 | 10 |

电话: 0516-2951707

MIDE

| Functionality | | Range | Standards |
|---------------|------|-------|-----------|
| No. | Name | | |
| 0 | POP | 0-63 | *1 |
| 1 | MHLY | 0-3 | *1 |
| 2 | MHLC | 0-3 | *1 |
| 3 | MVLY | 0-3 | *1 |
| 4 | MVLC | 0-3 | *1 |
| 5 | MHYR | 0-3 | *1 |
| 6 | MHYL | 0-3 | *1 |
| 7 | MHYE | 0-7 | *1 |
| 8 | MHYO | 0-1 | *1 |
| 9 | MHCR | 0-3 | *1 |
| 10 | MHCL | 0-3 | *1 |
| 11 | MHCE | 0-7 | *1 |
| 12 | MHCO | 0-1 | *1 |
| 13 | MVYR | 0-3 | *1 |
| 14 | MVYL | 0-3 | *1 |
| 15 | MVYE | 0-7 | *1 |
| 16 | MVCR | 0-3 | *1 |
| 17 | MVCL | 0-3 | *1 |
| 18 | MVCE | 0-7 | *1 |

Standards *1

| No. | Name | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
|-----|------|---|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|
| 1 | MHLY | 3 | 3 | 3 | 3 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 2 | 1 |
| 2 | MHLC | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 0 | 3 | 3 | 3 |
| 3 | MVLY | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 | MVLC | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 5 | MHYR | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 1 | 0 | 1 | 1 |
| 6 | MHYL | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 7 | MHYE | 2 | 2 | 2 | 7 | 0 | 0 | 2 | 7 | 0 | 0 | 2 | 7 | 4 | 6 | 6 | 6 |
| 8 | MHYO | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 9 | MHCR | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 1 | 1 | 1 |
| 10 | MHCL | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 11 | MHCE | 0 | 2 | 3 | 5 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 7 | 7 | 7 | 7 |
| 12 | MHCO | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 1 |
| 13 | MVYR | 0 | 0 | 0 | 2 | 1 | 1 | 1 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 14 | MVYL | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 |
| 15 | MVYE | 0 | 0 | 2 | 5 | 0 | 2 | 3 | 5 | 0 | 2 | 3 | 4 | 0 | 0 | 3 | 4 |
| 16 | MVCR | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 1 | 1 | 1 |
| 17 | MVCL | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 |
| 18 | MVCE | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 3 |

| No. | Name | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 |
|-----|------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| 1 | MHLY | 2 | 2 | 2 | 2 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 2 | MHLC | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 3 | 3 | 3 |
| 3 | MVLY | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 | MVLC | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 5 | MHYR | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 6 | MHYL | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 7 | MHYE | 2 | 2 | 2 | 4 | 0 | 0 | 0 | 0 | 0 | 2 | 4 | 7 | 0 | 0 | 2 | 5 |
| 8 | MHYO | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 |
| 9 | MHCR | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 1 | 1 | 1 |
| 10 | MHCL | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 11 | MHCE | 0 | 2 | 2 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 5 | 0 | 0 | 2 | 5 |
| 12 | MHCO | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 13 | MVYR | 2 | 2 | 0 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 1 | 1 | 1 | 1 |
| 14 | MVYL | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 |
| 15 | MVYE | 0 | 1 | 2 | 4 | 0 | 0 | 1 | 2 | 0 | 2 | 2 | 4 | 0 | 0 | 0 | 0 |
| 16 | MVCR | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 1 | 1 | 1 |
| 17 | MVCL | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 |
| 18 | MVCE | 0 | 0 | 2 | 3 | 0 | 0 | 1 | 2 | 0 | 1 | 2 | 3 | 0 | 0 | 1 | 3 |

| No. | Name | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 |
|-----|------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| 1 | MHLY | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2 | MHLC | 3 | 3 | 3 | 3 | 0 | 0 | 0 | 0 | 3 | 3 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 | MVLY | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 | MVLC | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 5 | MHYR | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 6 | MHYL | 1 | 1 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 |
| 7 | MHYE | 4 | 7 | 2 | 7 | 2 | 4 | 7 | 7 | 2 | 5 | 7 | 7 | 0 | 0 | 0 | 0 |
| 8 | MHYO | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 9 | MHCR | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 2 | 2 | 0 | 1 | 0 | 0 | 0 | 0 |
| 10 | MHCL | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 |
| 11 | MHCE | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 4 | 0 | 0 | 4 | 4 | 0 | 0 | 0 | 0 |
| 12 | MHCO | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 |
| 13 | MVYR | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 14 | MVYL | 0 | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 |
| 15 | MVYE | 0 | 3 | 7 | 5 | 0 | 0 | 4 | 4 | 0 | 3 | 4 | 4 | 0 | 0 | 0 | 0 |
| 16 | MVCR | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 2 | 2 | 1 | 1 | 0 | 0 | 0 | 0 |
| 17 | MVCL | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 |
| 18 | MVCE | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 4 | 0 | 0 | 4 | 4 | 0 | 0 | 0 | 0 |

电话: 0516-2951707

| No. | Name | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 |
|-----|------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| 1 | MHLY | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2 | MHLC | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 | MVLY | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 | MVLC | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 5 | MHYR | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 6 | MHYL | 0 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 7 | MHYE | 0 | 2 | 4 | 7 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8 | MHYO | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 9 | MHCR | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10 | MHCL | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11 | MHCE | 0 | 0 | 0 | 4 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12 | MHCO | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13 | MVYR | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 14 | MVYL | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 15 | MVYE | 0 | 0 | 0 | 4 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 16 | MVCR | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 17 | MVCL | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 18 | MVCE | 0 | 0 | 0 | 4 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

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CCPM

| Functionality | | Range | Standards |
|---------------|------|-------|-----------|
| No. | Name | | |
| 0 | REFC | 0-3 | 1 |
| 1 | YLEV | 0-255 | *1 |
| 2 | CLEV | 0-255 | *1 |
| 3 | SHUE | 0-15 | *1 |
| 4 | SHUO | 0-7 | 3 |
| 5 | YCDL | 0-15 | *2 |
| 6 | FUP2 | 0-3 | *3 |
| 7 | SHF0 | 0-1 | *3 |
| 8 | PROV | 0-7 | *3 |
| 9 | SHPC | 0-3 | *3 |
| 10 | SSHP | 0-15 | *3 |
| 11 | CBPF | 0-3 | *4 |
| 12 | CBPA | 0-3 | *4 |
| 13 | CEQ | 0-3 | *4 |
| 14 | SFIL | 0-1 | *5 |
| 15 | SSTC | 0-1 | *5 |
| 16 | AFCG | 0-3 | *10 |
| 17 | AFLG | 0-3 | *6 |
| 18 | AFCM | 0-1 | *6 |
| 19 | AFLC | 0-1 | *6 |
| 20 | AFHC | 0-1 | *6 |
| 21 | CDM1 | 0-3 | *6 |
| 22 | CDM2 | 0-1 | *6 |
| 23 | CDM3 | 0-1 | *6 |
| 24 | CLPP | 0-63 | 28 |
| 25 | BGPS | 0-15 | *7 |
| 26 | APED | 0-3 | *8 |
| 27 | DCTR | 0-3 | *8 |
| 28 | YTRP | 0-1 | *9 |
| 29 | CTRP | 0-1 | *9 |
| 30 | STUP | 0-15 | *10 |
| 31 | VINT | 0-15 | *10 |
| 32 | CLAD | 0-1 | *10 |
| 33 | SSAD | 0-1 | *10 |
| 34 | CLPG | 0-3 | *10 |
| 35 | HSSL | 0-3 | *10 |
| 36 | VSSL | 0-3 | *10 |
| 37 | STTC | 0-3 | *10 |
| 38 | VAFC | 0-1 | *10 |
| 39 | SLPF | 0-1 | *11 |
| 40 | 1774 | 0-15 | 0 |
| 41 | NCOM | 0-1 | *12 |
| 42 | SDLP | 0-1 | *13 |
| 43 | ROM2 | 0-1 | *13 |
| 44 | VECR | 0-1 | *14 |
| 45 | VECL | 0-1 | *14 |
| 46 | VECN | 0-3 | *14 |
| 47 | VEGA | 0-7 | *14 |
| 48 | BPT1 | 0-255 | *15 |
| 49 | BPT2 | 0-255 | *15 |
| 50 | KLEV | 0-3 | *16 |
| 51 | APCG | 0-3 | *16 |
| 52 | BLKM | 0-3 | 1 |
| 53 | HSPO | 0-15 | 7 |
| 54 | VBIS | 0-31 | 5 |
| 55 | IDIW | 0-1 | 1 |
| 56 | 30H | 0-255 | 0 |
| 57 | 3410 | 0-3 | 0 |
| 58 | 4CNT | 0-1 | 1 |
| 59 | SDOF | 0-1 | 0 |
| 60 | APAT | 0-3 | 2 |
| 61 | APHL | 0-3 | 2 |
| 62 | APAR | 0-3 | 1 |
| 63 | APHY | 0-3 | 0 |
| 64 | DTTC | 0-3 | 2 |
| 65 | DTLT | 0-3 | 2 |
| 66 | E656 | 0-1 | 0 |
| 67 | DCLP | 0-1 | 0 |
| 68 | MVSW | 0-3 | *10 |
| 69 | MVCT | 0-15 | 7 |

*Available for MS mode only.

Standards *1

| No. | Name | RF | | CV | | YC | | Comp | | MS |
|-----|------|------|------|------|------|------|------|------|------|-----|
| | | 60Hz | 50Hz | 60Hz | 50Hz | 50Hz | 60Hz | 50Hz | 60Hz | |
| 1 | YLEV | 169 | 171 | 184 | 188 | 187 | 187 | 185 | 185 | 115 |
| 2 | CLEV | 105 | 102 | 102 | 103 | 105 | 105 | 194 | 194 | 113 |
| 3 | SHUE | 0 | 7 | 6 | 7 | 6 | 7 | 7 | 7 | 7 |

Standards *2

| No. | Name | RF | | CV | | YC | | Comp | MS | |
|-----|------|------|---------|---------------|------|-----|------|------|----|-----|
| | | NTSC | PAL_DKI | PAL_OTH ER | NTSC | PAL | NTSC | | | PAL |
| 5 | YCDL | 8 | 5 | 7 | 8 | 8 | 7 | 7 | 8 | 9 |

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Standards #3

| No. | Name | Dynamic | | | | | | | | | | | | | |
|-----|------|-----------------|----------------|----------------|-----------------|----------------|----------------|---------|---------|---------|---------|---------|---------|----------|----------|
| | | RF | | | CV/YC | | | Comp | | | | | | | |
| | | 480_60I NTSC | 480_60I PAL | 576_50I PAL | 480_60I NTSC | 480_60I PAL | 576_50I PAL | 480_60I | 576_50I | 480_60P | 576_50P | 720_60P | 720_50P | 1080_60I | 1080_50I |
| 6 | FUP2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 7 | SHF0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 8 | PROV | 3 | 3 | 3 | 3 | 3 | 3 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| 9 | SHPC | 3 | 3 | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 10 | SSHP | 8 | 8 | 8 | 9 | 9 | 9 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |

| No. | Name | Dynamic | | | | | | | | | | Twin All Format | | | | |
|-----|------|---------|---------|---------|---------|---------|---------|----------|----------|-------|------|--------------------|-------|--------|----------------|----|
| | | RGB | | | | | | MS | | | | | | | | |
| | | 480_60I | 576_50I | 480_60P | 576_50P | 720_60P | 720_50P | 1080_60I | 1080_50I | Index | Full | | Popup | Player | Movie(Hi-Fine) | |
| 6 | FUP2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 7 | SHF0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 8 | PROV | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 9 | SHPC | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 10 | SSHP | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |

| No. | Name | Standard | | | | | | | | | | | | |
|-----|------|-----------------|----------------|----------------|-----------------|----------------|----------------|---------|---------|---------|---------|---------|---------|----------|
| | | RF | | | CV/YC | | | Comp | | | | | | |
| | | 480_60I NTSC | 480_60I PAL | 576_50I PAL | 480_60I NTSC | 480_60I PAL | 576_50I PAL | 480_60I | 576_50I | 480_60P | 576_50P | 720_60P | 720_50P | 1080_60I |
| 6 | FUP2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 7 | SHF0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 8 | PROV | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 9 | SHPC | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 0 |
| 10 | SSHP | 8 | 8 | 8 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 7 |

| No. | Name | Standard | | | | | | | | | | | | | |
|-----|------|----------|---------|---------|---------|---------|---------|----------|----------|-------|------|--------------------|-------|--------|----------------|
| | | RGB | | | | | | MS | | | | Twin All Format | | | |
| | | 480_60I | 576_50I | 480_60P | 576_50P | 720_60P | 720_50P | 1080_60I | 1080_50I | Index | Full | | Popup | Player | Movie(Hi-Fine) |
| 6 | FUP2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 7 | SHF0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 8 | PROV | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 9 | SHPC | 2 | 2 | 2 | 2 | 2 | 2 | 0 | 0 | 2 | 2 | 2 | 2 | 2 | 2 |
| 10 | SSHP | 8 | 8 | 8 | 8 | 8 | 8 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 |

| No. | Name | Hi-Fine | | | | | | | | | | | | |
|-----|------|-----------------|----------------|----------------|-----------------|----------------|----------------|---------|---------|---------|---------|---------|---------|----------|
| | | RF | | | CV/YC | | | Comp | | | | | | |
| | | 480_60I NTSC | 480_60I PAL | 576_50I PAL | 480_60I NTSC | 480_60I PAL | 576_50I PAL | 480_60I | 576_50I | 480_60P | 576_50P | 720_60P | 720_50P | 1080_60I |
| 6 | FUP2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 7 | SHF0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 8 | PROV | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 9 | SHPC | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 0 |
| 10 | SSHP | 8 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |

| No. | Name | Hi-Fine | | | | | | | | | | | | |
|-----|------|---------|---------|---------|---------|---------|---------|----------|----------|-------|------|--------------------|-------|--------|
| | | RGB | | | | | | MS | | | | Twin All Format | | |
| | | 480_60I | 576_50I | 480_60P | 576_50P | 720_60P | 720_50P | 1080_60I | 1080_50I | Index | Full | | Popup | Player |
| 6 | FUP2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 7 | SHF0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 8 | PROV | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 9 | SHPC | 2 | 2 | 2 | 2 | 2 | 2 | 0 | 0 | 2 | 2 | 2 | 2 | 2 |
| 10 | SSHP | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |

| No. | Name | Personal | | | | | | | | | | | | |
|-----|------|-----------------|----------------|----------------|-----------------|----------------|----------------|---------|---------|---------|---------|---------|---------|----------|
| | | RF | | | CV/YC | | | Comp | | | | | | |
| | | 480_60I NTSC | 480_60I PAL | 576_50I PAL | 480_60I NTSC | 480_60I PAL | 576_50I PAL | 480_60I | 576_50I | 480_60P | 576_50P | 720_60P | 720_50P | 1080_60I |
| 6 | FUP2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 7 | SHF0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 8 | PROV | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 9 | SHPC | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 0 |
| 10 | SSHP | 8 | 8 | 8 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 7 |

| No. | Name | Personal | | | | | | | | | | | | |
|-----|------|----------|---------|---------|---------|---------|---------|----------|----------|-------|------|--------------------|-------|--------|
| | | RGB | | | | | | MS | | | | Twin All Format | | |
| | | 480_60I | 576_50I | 480_60P | 576_50P | 720_60P | 720_50P | 1080_60I | 1080_50I | Index | Full | | Popup | Player |
| 6 | FUP2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 7 | SHF0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 8 | PROV | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 9 | SHPC | 2 | 2 | 2 | 2 | 2 | 2 | 0 | 0 | 2 | 2 | 2 | 2 | 2 |
| 10 | SSHP | 8 | 8 | 8 | 8 | 8 | 8 | 7 | 7 | 8 | 8 | 8 | 8 | 8 |

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Standards *4

| No. | Name | RF NTSC (GR: OFF) | PAL_DKI | PAL_OTH ER | CV NTSC | PAL | YC NTSC | PAL |
|-----|------|-------------------------|---------|---------------|------------|-----|------------|-----|
| 11 | CBPF | 2 | 2 | 2 | 0 | 0 | 0 | 0 |
| 12 | CBPA | 1 | 1 | 1 | 0 | 0 | 0 | 0 |
| 13 | CEQ | 1 | 1 | 1 | 0 | 0 | 0 | 0 |

Standards *5

| No. | Name | RF | CV | YC | Comp | Digital |
|-----|------|----|----|----|------|---------|
| 14 | SFIL | 1 | 1 | 1 | 1 | 1 |
| 15 | SSTC | 0 | 0 | 0 | 0 | 0 |

Standards *6

| No. | Name | RF | CV/YC | Other |
|-----|------|----|-------|-------|
| 17 | AFLG | 0 | 0 | 0 |
| 18 | AFCM | 0 | 0 | 0 |
| 19 | AFLC | 0 | 0 | 0 |
| 20 | AFHC | 0 | 0 | 0 |
| 21 | CDM1 | 2 | 2 | 2 |
| 22 | CDM2 | 0 | 0 | 0 |
| 23 | CDM3 | 0 | 0 | 0 |

Standards *7

| No. | Name | RF | VIDEO1 | VIDEO2 | VIDEO3 | VIDEO4/O ther |
|-----|------|----|--------|--------|--------|------------------|
| 25 | BGPS | 10 | 9 | 9 | 9 | 9 |

Standards *8

| No. | Name | Single | Black0 | Black1 | Black2 | Black3 | Black4 | Black5 | Black6 | Black7 |
|-----|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 26 | APED | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 27 | DCTR | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Standards *9

| No. | Name | SD | Other |
|-----|------|----|-------|
| 28 | YTRP | 1 | 0 |
| 29 | CTRP | 1 | 0 |

Standards *10

| No. | Name | RF | CV/YC | Other | | | | | | | | |
|-----|------|----|-------|---------|---------|---------|---------|---------|---------|----------|----------|---|
| | | | | 480_60I | 576_50I | 480_60P | 576_50P | 720_60P | 720_50P | 1080_60I | 1080_50I | |
| 16 | AFCG | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 30 | STUP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 31 | VINT | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 3 | 3 | 3 |
| 32 | CLAD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 33 | SSAD | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 |
| 34 | CLPG | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 35 | HSSL | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 36 | VSSL | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 |
| 37 | STTC | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 38 | VAFC | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 68 | MVSW | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |

Standards *11

| No. | Name | RF | CV | YC/Other |
|-----|------|----|----|----------|
| 39 | SLPF | 0 | 0 | 0 |

Standards *12

| No. | Name | 60Hz | | | 50Hz | | |
|-----|------|------|----------|-------|------|-------|-------|
| | | RF | BS/CV/YC | Other | RF | CV/YC | Other |
| 41 | NCOM | 0 | 0 | 0 | 0 | 0 | 0 |

Standards *13

| No. | Name | SD | Other |
|-----|------|----|-------|
| 42 | SDLP | 1 | 0 |
| 43 | ROM2 | 0 | 0 |

Standards *14

| No. | Name | Dynamic | | | | Standard | | | |
|-----|------|---------|-------|------|-------|----------|-------|------|-------|
| | | 60Hz | | 50Hz | | 60Hz | | 50Hz | |
| | | RF | Other | RF | Other | RF | Other | RF | Other |
| 44 | VECR | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 45 | VECL | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 46 | VECN | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 47 | VEGA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

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| No. | Name | Hi-Fine | | | | Personal | | | |
|-----|------|---------|-------|------|-------|----------|-------|------|-------|
| | | 60Hz | | 50Hz | | 60Hz | | 50Hz | |
| | | RF | Other | RF | Other | RF | Other | RF | Other |
| 44 | VECR | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 45 | VECL | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 46 | VECN | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 47 | VEGA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Standards *15

| No. | Name | RF | Other |
|-----|------|----|-------|
| 48 | BPT1 | 40 | 40 |
| 49 | BPT2 | 30 | 30 |

Only At Auto Color System Mode
Only At Auto Color System Mode

Standards *16

| No. | Name | RF | CV | YC/Other |
|-----|------|----|----|----------|
| 50 | KLEV | 2 | 2 | 2 |
| 51 | APCG | 0 | 0 | 0 |

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COMB

| Functionality | | Range | Standards |
|---------------|------|-------|-----------|
| No. | Name | | |
| 0 | NSS | 0-31 | *1 |
| 1 | TESS | 0-7 | 0 |
| 2 | NSC | 0-31 | *1 |
| 3 | NSV | 0-1 | *1 |
| 4 | SCTP | 0-3 | *1 |
| 5 | CYBP | 0-3 | *1 |
| 6 | Y2BP | 0-3 | *1 |
| 7 | C2LE | 0-3 | *1 |
| 8 | DTCN | 0-3 | *1 |
| 9 | VEDL | 0-7 | *1 |
| 10 | HP | 0-7 | *1 |
| 11 | PNR | 0-1 | *1 |
| 12 | NCDT | 0-1 | *1 |
| 13 | MC1 | 0-15 | *1 |
| 14 | MC2 | 0-15 | *1 |
| 15 | CR1 | 0-3 | *1 |
| 16 | CR2 | 0-15 | *1 |
| 17 | CR3 | 0-3 | *1 |
| 18 | CR4 | 0-3 | *1 |
| 19 | CCR | 0-3 | *1 |
| 20 | CHED | 0-3 | *1 |
| 21 | CVED | 0-3 | *1 |
| 22 | CR5 | 0-7 | *1 |
| 23 | YFLT | 0-7 | *1 |
| 24 | C3LE | 0-3 | *1 |
| 25 | YMFH | 0-15 | *1 |
| 26 | YMFV | 0-7 | *1 |
| 27 | F2SW | 0-1 | *1 |
| 28 | MO1 | 0-15 | *1 |
| 29 | MO2 | 0-7 | *1 |
| 30 | MNNR | 0-1 | *1 |
| 31 | DTH | 0-7 | *1 |
| 32 | DTV | 0-7 | *1 |
| 33 | DT2D | 0-3 | *1 |
| 34 | DTHP | 0-7 | *1 |
| 35 | DTCR | 0-7 | *1 |
| 36 | D2FC | 0-3 | *1 |
| 37 | D2F | 0-15 | *1 |
| 38 | D2F2 | 0-3 | *1 |
| 39 | D2FL | 0-3 | *1 |
| 40 | DC | 0-3 | *1 |
| 41 | CVFL | 0-7 | *1 |
| 42 | H2DD | 0-3 | *1 |
| 43 | HC2F | 0-1 | *1 |
| 44 | THRU | 0-1 | 0 |
| 45 | MCH | 0-31 | *1 |
| 46 | MCV | 0-3 | *1 |
| 47 | PEDS | 0-1 | *1 |
| 48 | MMK | 0-7 | *1 |
| 49 | MKAM | 0-1 | *1 |
| 50 | GHLT | 0-1 | *1 |
| 51 | TESL | 0-7 | 0 |
| 52 | MNSW | 0-1 | *1 |
| 53 | MDYB | 0-3 | *1 |
| 54 | LCBP | 0-7 | *1 |
| 55 | BPSE | 0-1 | *1 |
| 56 | CR2H | 0-1 | *1 |
| 57 | IMPR | 0-3 | *1 |
| 58 | IMPS | 0-1 | *1 |
| 59 | IMPL | 0-1 | *1 |
| 60 | PLPL | 0-3 | *1 |
| 61 | MDYE | 0-3 | *1 |
| 62 | PLCL | 0-1 | *1 |
| 63 | BPL2 | 0-7 | *1 |
| 64 | HPL | 0-7 | *1 |
| 65 | CVFP | 0-1 | *1 |
| 66 | STDH | 0-3 | *1 |
| 67 | SHH | 0-3 | *1 |
| 68 | BPOF | 0-1 | *1 |
| 69 | CIL | 0-1 | *1 |
| 70 | BPL3 | 0-7 | *1 |
| 71 | D2F3 | 0-7 | *1 |
| 72 | LPSW | 0-1 | *1 |
| 73 | LCR | 0-1 | *1 |
| 74 | F2CR | 0-1 | *1 |
| 75 | YIR | 0-1 | *1 |
| 76 | MOMO | 0-1 | *1 |
| 77 | CYV | 0-1 | *1 |
| 78 | PAL3 | 0-1 | *1 |

Standards *1

| No. | Name | NTSC | | PAL | |
|-----|------|----------|-------------|----------|-------------|
| | | Standard | NonStandard | Standard | NonStandard |
| 0 | NSS | 8 | 8 | 8 | 8 |
| 2 | NSC | 15 | 15 | 15 | 15 |
| 3 | NSV | 1 | 1 | 1 | 1 |
| 4 | SCTP | 0 | 2 | 0 | 0 |
| 5 | CYBP | 0 | 1 | 1 | 1 |
| 6 | Y2BP | 0 | 1 | 0 | 1 |
| 7 | C2LE | 1 | 0 | 1 | 0 |
| 8 | DTCN | 1 | 0 | 1 | 0 |
| 9 | VEDL | 3 | 3 | 3 | 3 |
| 10 | HP | 2 | 2 | 2 | 2 |
| 11 | PNR | 0 | 0 | 0 | 0 |
| 12 | NCDT | 0 | 0 | 0 | 0 |
| 13 | MC1 | 4 | 4 | 15 | 15 |
| 14 | MC2 | 3 | 3 | 15 | 15 |
| 15 | CR1 | 1 | 1 | 1 | 1 |
| 16 | CR2 | 1 | 1 | 1 | 1 |
| 17 | CR3 | 0 | 0 | 0 | 0 |
| 18 | CR4 | 1 | 1 | 1 | 1 |
| 19 | CCR | 2 | 2 | 2 | 2 |
| 20 | CHED | 2 | 2 | 2 | 2 |
| 21 | CVED | 3 | 3 | 2 | 2 |
| 22 | CR5 | 4 | 3 | 0 | 0 |
| 23 | YFLT | 4 | 4 | 4 | 4 |
| 24 | C3LE | 1 | 1 | 1 | 1 |
| 25 | YMFH | 3 | 3 | 3 | 3 |
| 26 | YMFV | 1 | 1 | 1 | 1 |
| 27 | F2SW | 0 | 0 | 0 | 0 |
| 28 | MO1 | 15 | 15 | 6 | 6 |
| 29 | MO2 | 3 | 3 | 3 | 3 |
| 30 | MNNR | 1 | 1 | 1 | 1 |
| 31 | DTH | 2 | 2 | 2 | 2 |
| 32 | DTV | 2 | 2 | 2 | 2 |
| 33 | DT2D | 2 | 2 | 2 | 2 |
| 34 | DTHP | 3 | 3 | 2 | 2 |
| 35 | DTCR | 4 | 4 | 4 | 4 |
| 36 | D2FC | 3 | 3 | 3 | 3 |
| 37 | D2F | 9 | 9 | 8 | 8 |
| 38 | D2F2 | 1 | 1 | 1 | 1 |
| 39 | D2FL | 0 | 0 | 0 | 0 |
| 40 | DC | 0 | 0 | 0 | 0 |
| 41 | CVFL | 3 | 0 | 3 | 0 |
| 42 | H2DD | 0 | 0 | 1 | 1 |
| 43 | HC2F | 1 | 1 | 1 | 1 |
| 45 | MCH | 15 | 15 | 22 | 22 |
| 46 | MCV | 1 | 1 | 0 | 0 |
| 47 | PEDS | 0 | 0 | 0 | 0 |
| 48 | MMK | 7 | 7 | 7 | 7 |
| 49 | MKAM | 0 | 0 | 0 | 0 |
| 50 | GHLT | 0 | 0 | 0 | 0 |
| 52 | MNSW | 0 | 0 | 0 | 0 |
| 53 | MDYB | 0 | 0 | 0 | 0 |
| 54 | LCBP | 2 | 2 | 2 | 2 |
| 55 | BPSE | 1 | 1 | 1 | 1 |
| 56 | CR2H | 0 | 0 | 0 | 0 |
| 57 | IMPR | 3 | 3 | 3 | 3 |
| 58 | IMPS | 1 | 1 | 1 | 1 |
| 59 | IMPL | 0 | 0 | 0 | 0 |
| 60 | PLPL | 1 | 1 | 1 | 1 |
| 61 | MDYE | 3 | 3 | 3 | 3 |
| 62 | PLCL | 1 | 1 | 1 | 1 |
| 63 | BPL2 | 1 | 1 | 1 | 1 |
| 64 | HPL | 1 | 1 | 1 | 1 |
| 65 | CVFP | 0 | 0 | 0 | 0 |
| 66 | STDH | 2 | 2 | 1 | 1 |
| 67 | SHH | 1 | 1 | 1 | 1 |
| 68 | BPOF | 1 | 1 | 0 | 0 |
| 69 | CIL | 1 | 1 | 1 | 1 |
| 70 | BPL3 | 7 | 7 | 7 | 7 |
| 71 | D2F3 | 2 | 2 | 2 | 2 |
| 72 | LPSW | 1 | 1 | 1 | 1 |
| 73 | LCR | 1 | 1 | 1 | 1 |
| 74 | F2CR | 1 | 1 | 1 | 1 |
| 75 | YIR | 1 | 1 | 1 | 1 |
| 76 | MOMO | 0 | 0 | 0 | 0 |
| 77 | CYV | 0 | 0 | 0 | 0 |
| 78 | PAL3 | 1 | 1 | 1 | 1 |

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YCTM(CXA2163)

| Functionality | | | |
|---------------|------|-------|-----------|
| No. | Name | Range | Standards |
| 0 | YLEV | 0-63 | 21 |
| 1 | CLEV | 0-63 | 13 |
| 2 | SCON | 0-15 | *1 |
| 3 | SCOL | 0-15 | *1 |
| 4 | YDLY | 0-15 | *1 |
| 5 | SHAP | 0-15 | *1 |
| 6 | SHFO | 0-3 | 2 |
| 7 | PREO | 0-3 | 3 |
| 8 | BPF0 | 0-3 | 1 |
| 9 | BPFQ | 0-3 | 2 |
| 10 | FLSW | 0-1 | 1 |
| 11 | CBOF | 0-15 | 9 |
| 12 | CROF | 0-15 | 9 |
| 13 | SR-Y | 0-15 | 7 |
| 14 | SB-Y | 0-15 | 7 |

Standards *1

| No. | Name | RF | Other |
|-----|------|----|-------|
| 2 | SCON | 7 | 7 |
| 3 | SCOL | 7 | 7 |
| 4 | YDLY | 5 | 5 |
| 5 | SHAP | 6 | 6 |

YCTS(CXA2163)

| Functionality | | | |
|---------------|------|-------|-----------|
| No. | Name | Range | Standards |
| 0 | YLEV | 0-63 | 43 |
| 1 | CLEV | 0-63 | 29 |
| 2 | SCON | 0-15 | *1 |
| 3 | SCOL | 0-15 | *1 |
| 4 | SHUE | 0-63 | *1 |
| 5 | YDLY | 0-15 | *2 |
| 6 | SHAP | 0-15 | *1 |
| 7 | SHFO | 0-3 | 2 |
| 8 | PREO | 0-3 | 3 |
| 9 | BPF0 | 0-3 | 1 |
| 10 | BPFQ | 0-3 | 2 |
| 11 | FLSW | 0-1 | 1 |
| 12 | CBOF | 0-15 | 9 |
| 13 | CROF | 0-15 | 7 |
| 14 | SR-Y | 0-15 | 7 |
| 15 | SB-Y | 0-15 | 7 |
| 16 | PNGW | 0-1 | 1 |
| 17 | PNIS | 0-1 | 0 |
| 18 | NCOM | 0-1 | 1 |
| 19 | ATPD | 0-3 | *3 |
| 20 | DCTR | 0-3 | *3 |

Standards *1

| No. | Name | 60Hz | | 50Hz | |
|-----|------|------|-------|------|-------|
| | | RF | Other | RF | Other |
| 2 | SCON | 8 | 7 | 8 | 7 |
| 3 | SCOL | 5 | 7 | 6 | 6 |
| 4 | SHUE | 36 | 32 | 31 | 31 |
| 6 | SHAP | 7 | 7 | 7 | 7 |

Standards *2

| No. | Name | RF | | | CV | | YC | |
|-----|------|------|---------|---------|------|-----|------|-----|
| | | NTSC | PAL_DKI | AL_OTHE | NTSC | PAL | NTSC | PAL |
| 5 | YDLY | 3 | 6 | 3 | 3 | 3 | 5 | 5 |

Standards *3

| No. | Name | Single | Black0 | Black1 | Black2 | Black3 | Black4 | Black5 | Black6 | Black7 |
|-----|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 19 | ATPD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 20 | DCTR | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

数码

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YCTC(CXA2163)

| Functionality | | Range | Standards |
|---------------|------|-------|-----------|
| No. | Name | | |
| 0 | SDTS | 0-1 | 1 |
| 1 | BELS | 0-3 | 2 |
| 2 | BLF0 | 0-1 | 0 |
| 3 | SVID | 0-1 | 0 |
| 4 | SGPP | 0-3 | 0 |
| 5 | SIDS | 0-1 | 1 |
| 6 | CDMD | 0-3 | 0 |
| 7 | AFCG | 0-3 | 0 |
| 8 | MVM | 0-1 | 0 |

MCP

| Functionality | | Range | Standards |
|---------------|------|-------|-----------|
| No. | Name | | |
| 0 | TCOF | 0-1 | 0 |
| 1 | PON | 0-1 | 1 |
| 2 | RON | 0-1 | 1 |
| 3 | GON | 0-1 | 1 |
| 4 | BON | 0-1 | 1 |
| 5 | AKBO | 0-1 | 0 |
| 6 | RGLB | 0-3 | 2 |
| 7 | YLMT | 0-3 | 0 |
| 8 | BLKB | 0-3 | 1 |
| 9 | YOF | 0-15 | *1 |
| 10 | CBOF | 0-63 | *1 |
| 11 | CROF | 0-63 | *1 |
| 12 | SPIC | 0-15 | *1 |
| 13 | SCOL | 0-63 | *1 |
| 14 | SHUE | 0-63 | *1 |
| 15 | ABLT | 0-15 | *2 |

Standards *1

| No. | Name | DRC | | A nalog | | | RGB | | | | MS | Twin |
|-----|------|----------|-----------|-----------|------|-------|-----|------|------|-------|----|------|
| | | RF/CV/YC | Comp-480i | 480p/576p | 720p | 1080i | DRC | 480p | 720p | 1080i | | |
| 9 | YOF | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| 10 | CBOF | 26 | 26 | 26 | 27 | 26 | 26 | 35 | 25 | 24 | 24 | 27 |
| 11 | CROF | 26 | 26 | 26 | 27 | 26 | 26 | 29 | 31 | 31 | 31 | 28 |
| 12 | SPIC | 8 | 5 | 5 | 10 | 10 | 9 | 9 | 12 | 12 | 8 | 8 |
| 13 | SCOL | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 33 | 31 |
| 14 | SHUE | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 |

Standards *2

| No. | Name | Other | Small Pic (Normal) |
|-----|------|-------|--------------------|
| 15 | ABLT | 0 | 6 |

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DEF1

| Functionality | | Range | Standards |
|---------------|------|-------|-----------|
| No. | Name | | |
| 0 | VPOS | 0-63 | 24 |
| 1 | VSIZ | 0-63 | 31 |
| 2 | VLIN | 0-15 | 8 |
| 3 | VSCO | 0-15 | *1 |
| 4 | VCEN | 0-63 | 31 |
| 5 | VPIN | 0-31 | *2 |
| 6 | NSCO | 0-63 | 31 |
| 7 | HTPZ | 0-31 | 15 |
| 8 | ZOOM | 0-1 | *3 |
| 9 | APSW | 0-1 | *4 |
| 10 | ASPT | 0-63 | *5 |
| 11 | SCRL | 0-63 | *5 |
| 12 | UVLN | 0-15 | *6 |
| 13 | LVLN | 0-15 | *6 |
| 14 | VPSO | 0-15 | *7 |

Standards *1

| No. | WideZoom | Other |
|--------|----------|-------|
| 3 VSCO | 11 | 8 |

Standards *2

| No. | Vcomp | Other |
|--------|-------|-------|
| 5 VPIN | 15 | 15 |

Standards *3

| No. | Zoom | Other |
|--------|----------|-------|
| | WideZoom | |
| 8 ZOOM | 1 | 0 |

Standards *4

| No. | HD | | SD |
|--------|------|------|----|
| | 50Hz | 60Hz | |
| 9 APSW | 1 | 0 | 1 |

Standards *5

| No. | Full | | | | | | VComp/Normal | | | | | |
|---------|------|----|------|----|-------|-------|--------------|----|------|----|-------|-------|
| | 50Hz | | 60Hz | | 100Hz | 120Hz | 50Hz | | 60Hz | | 100Hz | 120Hz |
| | SD | HD | SD | HD | SD | SD | SD | HD | SD | HD | SD | SD |
| 10 ASPT | 3 | 18 | 3 | 3 | 0 | 0 | 3 | 3 | 3 | 3 | 0 | 0 |
| 11 SCRL | 31 | 31 | 31 | 31 | 36 | 35 | 31 | 31 | 31 | 31 | 36 | 35 |

| No. | WideZoom | | | | Zoom | | | |
|---------|----------|------|-------|-------|------|------|-------|-------|
| | 50Hz | 60Hz | 100Hz | 120Hz | 50Hz | 60Hz | 100Hz | 120Hz |
| | SD | SD | SD | SD | SD | SD | SD | SD |
| 10 ASPT | 22 | 22 | 20 | 20 | 43 | 43 | 41 | 41 |
| 11 SCRL | 31 | 31 | 36 | 35 | 31 | 31 | 37 | 36 |

Standards *6

| No. | WideZoom | Other |
|---------|----------|-------|
| 12 UVLN | 4 | 0 |
| 13 LVLN | 4 | 0 |

Standards *7

| No. | 50Hz | 60Hz | 100Hz | 120Hz |
|---------|------|------|-------|-------|
| 14 VPSO | 7 | 6 | 10 | 13 |

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DEF2

| Functionality | | Range | Standards |
|---------------|------|-------|-----------|
| No. | Name | | |
| 0 | HCNT | 0-63 | 31 |
| 1 | HPOS | 0-63 | *1 |
| 2 | HSIZ | 0-63 | *2 |
| 3 | SLIN | 0-15 | *2 |
| 4 | MPIN | 0-15 | *2 |
| 5 | PIN | 0-63 | *2 |
| 6 | UCP | 0-63 | *2 |
| 7 | LCP | 0-63 | *2 |
| 8 | PPHA | 0-63 | *3 |
| 9 | VANG | 0-63 | 31 |
| 10 | LANG | 0-63 | 31 |
| 11 | VBOW | 0-63 | 31 |
| 12 | LBOW | 0-63 | 31 |
| 13 | UXCG | 0-3 | 2 |
| 14 | LXCG | 0-3 | 0 |
| 15 | UXCP | 0-3 | 2 |
| 16 | LXCP | 0-3 | 0 |
| 17 | XCPP | 0-1 | 0 |
| 18 | PPHO | 0-15 | *4 |
| 19 | PINO | -4/+3 | *5 |
| 20 | UCPO | -4/+3 | *5 |
| 21 | LCPO | -4/+3 | *5 |
| 22 | VAOC | 0-7 | 0 |
| 23 | HIHS | 0-31 | *6 |
| 24 | HISL | 0-7 | *6 |
| 25 | HIMP | 0-15 | *6 |
| 26 | HIPN | 0-15 | *6 |

Standards *1

| No. | HD | SD |
|--------|----|----|
| 1 HPOS | 22 | 24 |

Standards *2

| No. | WideZoom | Other |
|--------|----------|-------|
| 2 HSIZ | 49 | 31 |
| 3 SLIN | 11 | 6 |
| 4 MPIN | 15 | 7 |
| 5 PIN | 40 | 31 |
| 6 UCP | 31 | 35 |
| 7 LCP | 31 | 35 |

Standards *3

| No. | Zoom | Other |
|--------|----------|-------|
| | WideZoom | |
| 8 PPHA | 20 | 20 |

Standards *4

| No. | 50Hz | 60Hz | 100Hz | 120Hz |
|---------|------|------|-------|-------|
| 18 PPHO | 3 | 0 | 3 | 6 |

Standards *5

| No. | 60Hz | | 100Hz | | 120Hz | |
|---------|----------|-------|----------|-------|----------|-------|
| | WideZoom | Other | WideZoom | Other | WideZoom | Other |
| 19 PINO | 0 | 0 | 1 | 1 | 1 | 1 |
| 20 UCPO | 0 | 0 | 0 | 0 | -1 | -1 |
| 21 LCPO | 0 | 0 | 0 | 0 | 0 | 0 |

Standards *6

| No. | WideZoom/ VComp | Other |
|---------|--------------------|-------|
| 23 HIHS | 0 | 5 |
| 24 HISL | 5 | 2 |
| 25 HIMP | 15 | 8 |
| 26 HIPN | 0 | 3 |

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DEF3

| Functionality | | Range | Standards |
|---------------|------|-------|-----------|
| No. | Name | | |
| 0 | HBLK | 0-1 | 1 |
| 1 | LBLK | 0-63 | *1 |
| 2 | RBLK | 0-63 | *1 |
| 3 | VBLK | 0-1 | *2 |
| 4 | TBLK | 0-15 | *3 |
| 5 | BBLK | 0-15 | *3 |
| 6 | AFCM | 0-3 | 3 |
| 7 | JUMP | 0-1 | *4 |
| 8 | VDJP | 0-1 | *5 |
| 9 | AKBT | 0-31 | *3 |

Standards *1

| No. | HD | SD |
|--------|----|----|
| 1 LBLK | 54 | 54 |
| 2 RBLK | 30 | 28 |

Standards *2

| No. | Zoom WideZoom | Other |
|--------|------------------|-------|
| 3 VBLK | 0 | 1 |

Standards *3

| No. | Full | | | | | | 4:3VComp/Normal | | | | | |
|--------|------|----|------|----|-------|-------|-----------------|----|------|----|-------|-------|
| | 50Hz | | 60Hz | | 100Hz | 120Hz | 50Hz | | 60Hz | | 100Hz | 120Hz |
| | SD | HD | SD | HD | SD | SD | HD | SD | HD | SD | SD | |
| 4 TBLK | 7 | 4 | 1 | 4 | 15 | 12 | 7 | 7 | 1 | 2 | 15 | 12 |
| 5 BBLK | 14 | 6 | 8 | 8 | 9 | 4 | 14 | 14 | 8 | 9 | 9 | 4 |
| 9 AKBT | 20 | 16 | 18 | 16 | 20 | 18 | 20 | 16 | 18 | 16 | 20 | 18 |

| No. | WideZoom | | | | Zoom | | | |
|--------|----------|------|-------|-------|------|------|-------|-------|
| | 50Hz | 60Hz | 100Hz | 120Hz | 50Hz | 60Hz | 100Hz | 120Hz |
| | SD | SD | SD | SD | SD | SD | SD | SD |
| 4 TBLK | 12 | 12 | 15 | 12 | 7 | 7 | 7 | 7 |
| 5 BBLK | 15 | 15 | 9 | 15 | 7 | 7 | 7 | 7 |
| 9 AKBT | 15 | 15 | 22 | 15 | 15 | 15 | 15 | 15 |

Standards *4

| No. | Vcomp/Norm | Other |
|--------|------------|-------|
| 7 JUMP | 0 | 0 |

Standards *5

| No. | Zoom | HD | Other |
|--------|----------|----|-------|
| | WideZoom | | |
| 8 VDJP | 1 | 1 | 0 |

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DEF4

| Functionality | | Range | Standards |
|---------------|------|-------|-----------|
| No. | Name | | |
| 0 | QPDC | 0-63 | *1 |
| 1 | QPDV | 0-63 | *1 |
| 2 | QPDP | 0-15 | *1 |
| 3 | QPAM | 0-63 | *1 |
| 4 | QPAV | 0-63 | *1 |
| 5 | QPAP | 0-15 | *1 |
| 6 | COPY | 0-3 | 0 |

Standards *1

| No. | Vcomp/Norm | Other |
|--------|------------|-------|
| 0 QPDC | 31 | 31 |
| 1 QPDV | 59 | 59 |
| 2 QPDP | 6 | 6 |
| 3 QPAM | 31 | 31 |
| 4 QPAV | 51 | 51 |
| 5 QPAP | 6 | 6 |

DEF5

| Functionality | | Range | Standards |
|---------------|------|-------|-----------|
| No. | Name | | |
| 0 | VON | 0-1 | 1 |
| 1 | EWDC | 0-1 | 0 |
| 2 | AGCS | 0-1 | 0 |
| 3 | ACMP | 0-7 | 0 |

MIDI

| Functionality | | Range | Standards |
|---------------|------|-------|-----------|
| No. | Name | | |
| 0 | DYCD | 0-15 | *1 |
| 1 | DYSD | 0-7 | *2 |
| 2 | MDVP | 0-15 | *3 |

Standards *1

| No. | Single | Other |
|--------|--------|-------|
| 0 DYCD | 2 | 2 |

Standards *2

| No. | Single(Norm) | Twin/Freeze | MS | Index |
|--------|--------------|-------------|----|-------|
| 1 DYSD | 1 | 0 | 1 | 0 |

Standards *3

| No. | Vcomp | | | | Other | | | |
|--------|-------|------|-------|-------|-------|------|-------|-------|
| | 50Hz | 60Hz | 100Hz | 120Hz | 50Hz | 60Hz | 100Hz | 120Hz |
| 2 MDVP | 12 | 0 | 15 | 15 | 0 | 0 | 15 | 15 |

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MID2

| Functionality | | Range | Standards |
|---------------|------|-------|-----------|
| No. | Name | | |
| 0 | BCOL | 0-15 | *1 |
| 1 | MSYS | 0-1 | 1 |

Standards *1

| No. | Single(Normal) | TWIN | Freeze | Index | Favorite/PAP | MS |
|-----|----------------|------|--------|-------|--------------|----|
| 0 | BCOL | 0 | 4 | 1 | 4 | 6 |

MID3

| Functionality | | Range | Standards |
|---------------|------|-------|-----------|
| No. | Name | | |
| 0 | MHPH | -8/+7 | *1 |
| 1 | SHPH | -8/+7 | *2 |

Standards *1

| No. | RF | | CV | | YC | | Comp | | | | | | | | | | |
|-----|------|------|------|------|------|------|---------|---------|---------|---------|---------|---------|----------|----------|-------|---|---|
| | 50Hz | 60Hz | 50Hz | 60Hz | 50Hz | 60Hz | 480_60I | 576_50I | 480_60P | 576_50P | 720_60P | 720_50P | 1080_60I | 1080_50I | Other | | |
| 0 | MHPH | 5 | -1 | 5 | -1 | 5 | -1 | 3 | 3 | 2 | 2 | 2 | 2 | 0 | 0 | 1 | 0 |

| No. | RGB | | | | | | | | | MS | |
|-----|---------|---------|---------|---------|---------|---------|----------|----------|-------|----|---|
| | 480_60I | 576_50I | 480_60P | 576_50P | 720_60P | 720_50P | 1080_60I | 1080_50I | Other | | |
| 0 | MHPH | 7 | 7 | -8 | -8 | 0 | 0 | 0 | 0 | 0 | 0 |

Standards *2

| No. | RF | | CV | | YC | | |
|-----|------|------|------|------|------|------|---|
| | 50Hz | 60Hz | 50Hz | 60Hz | 50Hz | 60Hz | |
| 1 | SHPH | 4 | 6 | 4 | 6 | 4 | 6 |

VSW

| Functionality | | Range | Standards |
|---------------|------|-------|-----------|
| No. | Name | | |
| 0 | VTC | 0-3 | 1 |
| 1 | HSEP | 0-1 | 1 |

CRNR

| Functionality | | Range | Standards |
|---------------|------|-------|-----------|
| No. | Name | | |
| 0 | YNR | 0-15 | *1 |
| 1 | CNR | 0-15 | *1 |

Standards *1

| No. | Name | RF | CV | YC | Comp | MS |
|-----|------|----|----|----|------|----|
| 0 | YNR | 0 | 0 | 0 | 0 | 0 |
| 1 | CNR | 0 | 0 | 0 | 0 | 0 |

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RNR

| Functionality | | Range | Standards |
|---------------|------|-------|-----------|
| No. | Name | | |
| 0 | NYLP | 0-1 | *1 |
| 1 | NYG | 0-3 | *1 |
| 2 | NYPH | 0-31 | *1 |
| 3 | NYLM | 0-15 | *1 |
| 4 | NCLP | 0-1 | *1 |
| 5 | NCG | 0-3 | *1 |
| 6 | NCPH | 0-31 | *1 |
| 7 | NCLM | 0-15 | *1 |

Standards *1

| No. | Name | RNR=OFF | | | | | | | | | | | | |
|-----|------|---------|------|-------|------|-----------|---------|---------|---------|---------|---------|----------|----------|---|
| | | RF | | CV/YC | | Component | | | | | | | | |
| | | 50Hz | 60Hz | 50Hz | 60Hz | 480_60I | 576_50I | 480_60P | 576_50P | 720_60P | 720_50P | 1080_60I | 1080_50I | |
| 0 | NYLP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1 | NYG | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2 | NYPH | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 | NYLM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 | NCLP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 5 | NCG | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 6 | NCPH | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 7 | NCLM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

| No. | Name | RNR=HIGH | | | | | | | | | | | | |
|-----|------|----------|------|-------|------|-----------|---------|---------|---------|---------|---------|----------|----------|----|
| | | RF | | CV/YC | | Component | | | | | | | | |
| | | 50Hz | 60Hz | 50Hz | 60Hz | 480_60I | 576_50I | 480_60P | 576_50P | 720_60P | 720_50P | 1080_60I | 1080_50I | |
| 0 | NYLP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1 | NYG | 1 | 3 | 1 | 3 | 3 | 1 | 3 | 1 | 1 | 1 | 1 | 1 | 1 |
| 2 | NYPH | 13 | 5 | 13 | 5 | 5 | 13 | 5 | 13 | 13 | 13 | 13 | 13 | 13 |
| 3 | NYLM | 10 | 2 | 10 | 2 | 2 | 10 | 2 | 10 | 10 | 10 | 10 | 10 | 10 |
| 4 | NCLP | 0 | 1 | 0 | 1 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 5 | NCG | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 6 | NCPH | 13 | 3 | 13 | 3 | 3 | 13 | 3 | 13 | 13 | 13 | 13 | 13 | 13 |
| 7 | NCLM | 10 | 2 | 10 | 2 | 2 | 10 | 2 | 10 | 10 | 10 | 10 | 10 | 10 |

| No. | Name | RNR=OFF | | | | | | | | | | MS | |
|-----|------|---------|---------|---------|---------|---------|---------|----------|----------|-------|---|----|---|
| | | RGB | | | | | | | | Other | | | |
| | | 480_60I | 576_50I | 480_60P | 576_50P | 720_60P | 720_50P | 1080_60I | 1080_50I | | | | |
| 0 | NYLP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1 | NYG | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2 | NYPH | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 | NYLM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 | NCLP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 5 | NCG | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 6 | NCPH | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 7 | NCLM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

| No. | Name | RNR=HIGH | | | | | | | | | | MS | |
|-----|------|----------|---------|---------|---------|---------|---------|----------|----------|-------|---|----|---|
| | | RGB | | | | | | | | Other | | | |
| | | 480_60I | 576_50I | 480_60P | 576_50P | 720_60P | 720_50P | 1080_60I | 1080_50I | | | | |
| 0 | NYLP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1 | NYG | 3 | 1 | 3 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 |
| 2 | NYPH | 5 | 13 | 5 | 13 | 13 | 13 | 13 | 13 | 13 | 0 | 0 | 0 |
| 3 | NYLM | 2 | 10 | 2 | 10 | 10 | 10 | 10 | 10 | 10 | 0 | 0 | 0 |
| 4 | NCLP | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 5 | NCG | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 |
| 6 | NCPH | 3 | 13 | 3 | 13 | 13 | 13 | 13 | 13 | 13 | 0 | 0 | 0 |
| 7 | NCLM | 2 | 10 | 2 | 10 | 10 | 10 | 10 | 10 | 10 | 0 | 0 | 0 |

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BNR

| Functionality | | Range | Standards |
|---------------|------|-------|-----------|
| No. | Name | | |
| 0 | EDL | 0-7 | *1 |
| 1 | LFL | 0-7 | *1 |
| 2 | DCT | 0-7 | *1 |
| 3 | BLEV | 0-7 | *1 |
| 4 | DNE | 0-1 | *1 |

Standards *1

| No. | Name | BNR:OFF | | | | | | | | | MS |
|-----|------|-------------------|---------|---------|---------|---------|---------|----------|----------|-------|----|
| | | RF/CV/YC/Comp/RGB | | | | | | | | | |
| | | 480_60I | 576_50I | 480_60P | 576_50P | 720_60P | 720_50P | 1080_60I | 1080_50I | Other | |
| 0 | EDL | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1 | LFL | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2 | DCT | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 | BLEV | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 | DNE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

NoiseReducer BnrFormatInputPack 2Byte

| No. | Name | BNR:HIGH | | | | | | | | | MS |
|-----|------|-------------------|---------|---------|---------|---------|---------|----------|----------|-------|----|
| | | RF/CV/YC/Comp/RGB | | | | | | | | | |
| | | 480_60I | 576_50I | 480_60P | 576_50P | 720_60P | 720_50P | 1080_60I | 1080_50I | Other | |
| 0 | EDL | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 1 | LFL | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 2 | DCT | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 3 | BLEV | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| 4 | DNE | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |

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SNNR

| Functionality | | Range | Standards |
|---------------|------|-------|-----------|
| No. | Name | | |
| 0 | MODE | 0-3 | 0 |
| 1 | SNNR | 0-7 | 0 |
| 2 | HYST | 0-15 | 7 |
| 3 | WSLT | 0-255 | *1 |
| 4 | SSSN | 0-15 | *2 |
| 5 | F2SN | 0-3 | *2 |
| 6 | SCSN | 0-3 | *2 |
| 7 | VGSN | 0-7 | *2 |
| 8 | YNSN | 0-15 | *2 |
| 9 | CNSN | 0-15 | *2 |
| 10 | PYSN | 0-31 | *2 |
| 11 | LYSN | 0-15 | *2 |
| 12 | PCSN | 0-31 | *2 |
| 13 | LCSN | 0-15 | *2 |
| 14 | 7SHP | 0-63 | *2 |
| 15 | 7YF1 | 0-3 | *2 |
| 16 | 7LTI | 0-3 | *2 |
| 17 | 7CTI | 0-3 | *2 |
| 18 | 7VML | 0-15 | *2 |
| 19 | 7VMC | 0-3 | *2 |
| 20 | MIDD | 0-63 | *2 |
| 21 | CCLV | 0-15 | *2 |
| 22 | CCBP | 0-1 | *2 |
| 23 | PCR4 | 0-1 | *2 |
| 24 | PYMH | 0-7 | *2 |
| 25 | PYMV | 0-7 | *2 |
| 26 | PMO1 | 0-7 | *2 |
| 27 | PMO2 | 0-7 | *2 |
| 28 | PDF2 | 0-7 | *2 |
| 29 | PF2D | 0-1 | *2 |
| 30 | SACG | 0-3 | *2 |
| 31 | SALG | 0-3 | *2 |

Standards *1

| No. | Name | A | B | C | D | E | F | G |
|-----|------|---|----|----|----|----|-----|-----|
| 3 | WSLT | 5 | 20 | 45 | 63 | 85 | 110 | 127 |

Standards *2

| No. | Name | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|-----|------|---|---|---|---|---|----|----|----|
| 4 | SSSN | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| 5 | F2SN | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 6 | SCSN | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 |
| 7 | VGSN | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 8 | YNSN | 0 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 9 | CNSN | 0 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 10 | PYSN | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11 | LYSN | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12 | PCSN | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13 | LCSN | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 14 | 7SHP | 0 | 0 | 1 | 1 | 3 | 3 | 3 | 4 |
| 15 | 7YF1 | 0 | 0 | 1 | 1 | 2 | 2 | 2 | 3 |
| 16 | 7LTI | 0 | 0 | 1 | 1 | 2 | 2 | 3 | 3 |
| 17 | 7CTI | 0 | 0 | 1 | 1 | 2 | 2 | 3 | 3 |
| 18 | 7VML | 0 | 3 | 5 | 7 | 9 | 11 | 13 | 15 |
| 19 | 7VMC | 0 | 0 | 1 | 1 | 2 | 2 | 2 | 3 |
| 20 | MIDD | 0 | 0 | 1 | 1 | 2 | 2 | 2 | 3 |
| 21 | CCLV | 0 | 3 | 5 | 7 | 9 | 11 | 13 | 15 |
| 22 | CCBP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 23 | PCR4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 24 | PYMH | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 25 | PYMV | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 26 | PMO1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 27 | PMO2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 28 | PDF2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 29 | PF2D | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 30 | SACG | 0 | 0 | 0 | 0 | 1 | 2 | 2 | 2 |
| 31 | SALG | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 |

AWID

| Functionality | | Range | Standards |
|---------------|------|-------|-----------|
| No. | Name | | |
| 0 | AWOF | 0-1 | 1 |
| 1 | FRWD | 0-3 | 2 |
| 2 | FRTI | 0-3 | 2 |
| 3 | LPFL | 0-1 | 0 |
| 4 | UPAR | 0-1 | 0 |
| 5 | UPTH | 0-1 | 0 |
| 6 | X149 | 0-1 | 0 |
| 7 | DMST | 0-1 | 0 |
| 8 | UPRL | 0-1 | 0 |
| 9 | OFSL | 0-1 | 0 |
| 10 | SLOF | 0-1 | 0 |
| 11 | FR43 | 0-3 | 2 |
| 12 | REFP | 0-15 | 5 |
| 13 | REFM | 0-15 | 1 |

DDEV

| Functionality | | Range | Standards | Remarks |
|---------------|------|-------|-----------|----------------|
| No. | Name | | | |
| 0 | ASPT | 0-1 | 0 | |
| 1 | QVSR | 0-31 | 18 | |
| 2 | DTYP | 0-7 | 0 | |
| 3 | DFID | 0-15 | 0 | |
| 4 | ALTD | 0-7 | 0 | Highland Value |
| 5 | HICM | 0-1 | 0 | Highland SW |
| 6 | ALMX | 0-7 | 4 | |

SFC

| Functionality No. | Name | Range | Standards |
|-------------------|------|-----------|-----------|
| 0 | COPC | 0-1 | 0 |
| 1 | COPL | 0-1 | 0 |
| 2 | TESW | 0-1 | 1 |
| 3 | ENSW | 0-1 | 1 |
| 4 | NSSW | 0-1 | 1 |
| 5 | EWSW | 0-1 | 1 |
| 6 | LTEU | -128/+127 | -47 |
| 7 | LTEC | -128/+127 | -46 |
| 8 | LTED | -128/+127 | -57 |
| 9 | RTEU | -128/+127 | 46 |
| 10 | RTEC | -128/+127 | 36 |
| 11 | RTED | -128/+127 | 50 |
| 12 | NSTE | -128/+127 | -32 |
| 13 | LENU | -128/+127 | -45 |
| 14 | LENC | -128/+127 | -63 |
| 15 | LEND | -128/+127 | -65 |
| 16 | RENU | -128/+127 | 63 |
| 17 | RENC | -128/+127 | 64 |
| 18 | REND | -128/+127 | 44 |
| 19 | NSEN | -128/+127 | -36 |
| 20 | LNSU | -128/+127 | -23 |
| 21 | LNSC | -128/+127 | 0 |
| 22 | LNSD | -128/+127 | 23 |
| 23 | RNSU | -128/+127 | -23 |
| 24 | RNSC | -128/+127 | 0 |
| 25 | RNSD | -128/+127 | 23 |
| 26 | NSNS | -128/+127 | 84 |
| 27 | LEWU | -128/+127 | -21 |
| 28 | LEWC | -128/+127 | 0 |
| 29 | LEWD | -128/+127 | 21 |
| 30 | REWU | -128/+127 | 21 |
| 31 | REWC | -128/+127 | 0 |
| 32 | REWD | -128/+127 | -21 |
| 33 | APEN | 0-255 | 64 |
| 34 | TECT | 0-255 | 64 |
| 35 | ENCT | 0-255 | 66 |
| 36 | NSCT | 0-255 | 64 |
| 37 | EWCT | 0-255 | 64 |
| 38 | HPOS | 0-10 | 5 |
| 39 | VPOS | 0-255 | 15 |
| 40 | VOSI | 0-255 | *1 |
| 41 | RVOS | 0-255 | *1 |
| 42 | VSEI | 0-255 | *1 |
| 43 | RVSE | 0-255 | *1 |
| 44 | VINT | 0-255 | *1 |
| 45 | RVIN | 0-255 | *1 |
| 46 | ODP | 0-255 | 8 |
| 47 | ODVM | 0-255 | 109 |
| 48 | ODHH | 0-255 | 166 |
| 49 | HPHL | 0-255 | 246 |
| 50 | HOS | 0-255 | 40 |
| 51 | HSEI | 0-255 | 93 |
| 52 | HINT | 0-255 | 93 |
| 53 | HLIN | 0-255 | 56 |
| 54 | LDCV | 0-255 | 13 |
| 55 | VCOM | 0-255 | 20 |
| 56 | TESL | 0-255 | 63 |
| 57 | PWMA | 0-255 | 255 |
| 58 | HCMX | 0-255 | 32 |
| 59 | VCMX | 0-255 | 32 |
| 60 | LCMX | 0-255 | 64 |
| 61 | LAMX | 0-255 | 64 |
| 62 | NSMX | 0-255 | 64 |
| 63 | UPMX | 0-15 | 3 |
| 64 | HSLV | 0-31 | 27 |

Standards *1

| No. | FULL | | | | | | NORMAL/VCOMP | | | | | |
|---------|-------------------|------------------------|---------------|---------------|------------------------|------------------------|-------------------|------------------------|---------------|---------------|------------------------|------------------------|
| | 480P/960I 60Hz | 1080I/540 P 60Hz | 480I 120Hz | 576I 100Hz | 576P/115 2I 50Hz | 1080I/540 P 50Hz | 480P/960I 60Hz | 1080I/540 P 60Hz | 480I 120Hz | 576I 100Hz | 576P/115 2I 50Hz | 1080I/540 P 50Hz |
| 40 VOSI | 18 | 0 | 8 | 16 | 24 | 49 | 18 | 0 | 8 | 16 | 24 | 49 |
| 41 RVOS | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 42 VSEI | 51 | 45 | 30 | 31 | 61 | 56 | 51 | 45 | 30 | 31 | 61 | 56 |
| 43 RVSE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 44 VINT | 51 | 57 | 26 | 31 | 61 | 56 | 51 | 57 | 26 | 31 | 61 | 56 |
| 45 RVIN | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

| No. | WIDEZOOM | | | | ZOOM | | | |
|---------|-------------------|---------------|---------------|------------------------|-------------------|---------------|---------------|------------------------|
| | 480P/960I 60Hz | 480I 120Hz | 576I 100Hz | 576P/ 1152I 50Hz | 480P/960I 60Hz | 480I 120Hz | 576I 100Hz | 576P/ 1152I 50Hz |
| 40 VOSI | 30 | 11 | 16 | 37 | 67 | 30 | 42 | 84 |
| 41 RVOS | 96 | 43 | 52 | 96 | 64 | 26 | 32 | 96 |
| 42 VSEI | 54 | 34 | 39 | 63 | 45 | 32 | 34 | 53 |
| 43 RVSE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 44 VINT | 47 | 24 | 29 | 57 | 40 | 20 | 24 | 48 |
| 45 RVIN | 32 | 22 | 22 | 32 | 22 | 13 | 16 | 32 |

AP

| Functionality | | Range | Standards |
|---------------|------|-------|-----------|
| No. | Name | | |
| 0 | SUBV | 0-15 | *1 |
| 1 | BASS | 0-15 | *2 |
| 2 | TREB | 0-15 | *2 |
| 3 | BBE | 0-1 | *2 |
| 4 | BBEL | 0-31 | *2 |
| 5 | BBEH | 0-31 | *2 |
| 6 | AGC | 0-1 | *3 |
| 7 | AGCL | 0-3 | *3 |
| 8 | SUR | 0-15 | *4 |

Standards *1

| No. | TruSurround | Simulated | OFF |
|--------|-------------|-----------|-----|
| 0 SUBV | 2 | 3 | 3 |

Standards *2

| No. | Personal (BBE:off) | | | | | | Personal (BBE:Low) | | | | | | Personal (BBE:High) | | | | | |
|--------|--------------------|-----------|-----|-------------|-----------|-----|--------------------|-----------|-----|-------------|-----------|-----|---------------------|-----------|-----|-------------|-----------|-----|
| | Tu | | | Others | | | Tu | | | Others | | | BS | | | Others | | |
| | TruSurround | Simulated | OFF | TruSurround | Simulated | OFF | TruSurround | Simulated | OFF | TruSurround | Simulated | OFF | TruSurround | Simulated | OFF | TruSurround | Simulated | OFF |
| 1 BASS | 7 | 6 | 6 | 7 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| 2 TREB | 7 | 6 | 6 | 7 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| 3 BBE | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 4 BBEL | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 6 | 6 | 8 | 6 | 6 | 14 | 12 | 12 | 14 | 12 | 12 |
| 5 BBEH | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 6 | 6 | 8 | 6 | 6 | 14 | 12 | 12 | 14 | 12 | 12 |

| No. | Dynamic | | | | | | Drama | | | | | | Soft | | | | | |
|--------|-------------|-----------|-----|-------------|-----------|-----|-------------|-----------|-----|-------------|-----------|-----|-------------|-----------|-----|-------------|-----------|-----|
| | Tu | | | Others | | | Tu | | | Others | | | Tu | | | Others | | |
| | TruSurround | Simulated | OFF |
| 1 BASS | 11 | 10 | 10 | 11 | 10 | 10 | 10 | 9 | 9 | 10 | 9 | 9 | 10 | 8 | 8 | 10 | 8 | 8 |
| 2 TREB | 8 | 7 | 7 | 8 | 7 | 7 | 9 | 8 | 8 | 9 | 8 | 8 | 9 | 7 | 7 | 9 | 7 | 7 |
| 3 BBE | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 BBEL | 5 | 13 | 13 | 16 | 15 | 15 | 10 | 8 | 8 | 12 | 10 | 10 | 0 | 0 | 0 | 0 | 0 | 0 |
| 5 BBEH | 16 | 14 | 14 | 17 | 16 | 16 | 13 | 11 | 11 | 14 | 12 | 12 | 0 | 0 | 0 | 0 | 0 | 0 |

Standards *3

| No. | Intelligent Volume | |
|--------|--------------------|-----|
| | Auto | OFF |
| 6 AGC | 1 | 0 |
| 7 AGCL | 0 | 0 |

Standards *4

| No. | TruSurround | Effect | |
|-------|-------------|-----------|-----|
| | | Simulated | OFF |
| 8 SUR | 12 | 15 | 0 |

MSMO

| Functionality | | Range | Standards |
|---------------|------|-------|-----------|
| No. | Name | | |
| 0 | MSPF | 0-1 | 0 |
| 1 | MIXU | 0-1 | 0 |
| 2 | STD1 | 0-1 | 0 |
| 3 | LVDS | 0-3 | 2 |
| 4 | BGLV | 0-255 | 0 |
| 5 | DPAC | 0-1 | 0 |

OSDP

| Functionality | | Range | Standards |
|---------------|------|-------|-----------|
| No. | Name | | |
| 0 | LEVL | 0-15 | 0 |
| 1 | FFLV | 0-15 | 0 |

ASEL

| Functionality | | Range | Standards |
|---------------|------|-------|-----------|
| No. | Name | | |
| 0 | TU1 | 0-15 | 10 |
| 1 | TU2 | 0-15 | 9 |
| 2 | TU3 | 0-15 | 0 |
| 3 | VID1 | 0-15 | 7 |
| 4 | VID2 | 0-15 | 5 |
| 5 | VID3 | 0-15 | 4 |
| 6 | VID4 | 0-15 | 3 |
| 7 | YUV1 | 0-15 | 2 |
| 8 | YUV2 | 0-15 | 1 |
| 9 | YUV3 | 0-15 | 0 |
| 10 | MS | 0-15 | 8 |
| 11 | ATSC | 0-15 | 0 |
| 12 | CSPK | 0-15 | 6 |

VSEL

| Functionality | | Range | Standards |
|---------------|------|-------|-----------|
| No. | Name | | |
| 0 | TU1 | 0-15 | 1 |
| 1 | TU2 | 0-15 | 2 |
| 2 | TU3 | 0-15 | 0 |
| 3 | VID1 | 0-15 | 5 |
| 4 | VID2 | 0-15 | 6 |
| 5 | VID3 | 0-15 | 7 |
| 6 | VID4 | 0-15 | 4 |
| 7 | YUV1 | 0-31 | 16 |
| 8 | YUV2 | 0-31 | 18 |
| 9 | YUV3 | 0-31 | 0 |
| 10 | ATSC | 0-31 | 0 |
| 11 | SECM | 0-31 | 17 |

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DRCV

| Functionality | | Range | Standards |
|---------------|------|-------|-----------|
| No. | Name | | |
| 0 | MFVR | 0-1 | 0 |
| 1 | ISEL | 0-1 | 1 |
| 2 | ORES | 0-255 | *1 |
| 3 | ONCT | 0-255 | *1 |
| 4 | FMAT | 0-1 | 0 |
| 5 | FMTH | 0-3 | *2 |
| 6 | FSEL | 0-1 | 1 |
| 7 | CDLY | 0-3 | 2 |
| 8 | LMIT | 0-1 | 0 |
| 9 | LMLV | 0-3 | *3 |
| 10 | LMSL | 0-1 | 1 |
| 11 | VDLY | 0-3 | 1 |
| 12 | VDPR | 0-3 | 3 |
| 13 | WPLL | 0-3 | 2 |
| 14 | CRCT | 0-1 | 0 |

Standards *1

| No. | Name | Dynamic | | | | Standard | | | |
|-----|------|---------|----------|-----------|-----|----------|----------|-----------|-----|
| | | RF | BS/CV/YC | Component | RGB | RF | BS/CV/YC | Component | RGB |
| 2 | ORES | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 |
| 3 | ONCT | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 |

| No. | Name | Hi-Fine | | | | Personal | | | |
|-----|------|---------|----------|-----------|-----|----------|----------|-----------|-----|
| | | RF | BS/CV/YC | Component | RGB | RF | BS/CV/YC | Component | RGB |
| 2 | ORES | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 |
| 3 | ONCT | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 |

Standards *2

| No. | Name | Other | RF |
|-----|------|-------|----|
| 5 | FMTH | 1 | 1 |

Standards *3

| No. | Name | Dynamic | Standard | Hi-Fine | Personal |
|-----|------|---------|----------|---------|----------|
| 9 | LMLV | 2 | 2 | 2 | 2 |

PFID

| Functionality | | Range | Standards |
|---------------|------|-------|-----------|
| No. | Name | | |
| 0 | COLS | 0-7 | 2 |
| 1 | DEFS | 0-7 | 2 |
| 2 | DRC | 0-1 | 1 |
| 3 | AMAX | 0-1 | 1 |
| 4 | FRME | 0-1 | 0 |
| 5 | SMAX | 0-1 | 1 |
| 6 | FVLO | 0-1 | 1 |
| 7 | 2057 | 0-1 | 0 |
| 8 | NSMT | 0-1 | 0 |
| 9 | YDET | 0-1 | 0 |

PFOP

| Functionality | | Range | Standards |
|---------------|------|-------|-----------|
| No. | Name | | |
| 0 | CMD | 0-15 | |

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GUID

| Functionality | | Range | Standards | Function | Remarks |
|---------------|------|-------|-----------|---|---------|
| No. | Name | | | | |
| 01 | CUID | | 0 | Guide Select country ID (0:English,1:Tiwan,2:Korea,3:English) | |

POWR

| Functionality | | Range | Standards | Function | Remarks |
|---------------|------|-------|-----------|---------------------------------------|---------|
| No. | Name | | | | |
| 00 | DLY1 | | 4 | Power On Delay1 | |
| 01 | DLY2 | | 0 | Power On Delay2 | |
| 02 | DLY3 | | 4 | Power On Delay3 | |
| 03 | ZDET | | 31 | Zero Detect Delay | |
| 04 | ZTMO | | 30 | Zero Detect Timeout (*10ms min 300ms) | |

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OPM

| Functionality | | Range | Standards | Function | Remarks |
|---------------|------|-------|-----------|---|------------------|
| No. | Name | | | | |
| 00 | APC | | 1 | APC Switch | |
| 01 | TSY | | 0 | TV System Selection under searching with Auto TV System | |
| 02 | AFM | | 1 | Auto FM switch | |
| 03 | DBL | | 0 | Disable Blueback function | |
| 04 | SSO | | 1 | Speed CH Search Selection | |
| 05 | SCH | | 1 | CH Selection for Shipping Condition | NTSC Only |
| 06 | SCA | | 1 | Cable/Air Selection for Shipping Condition | NTSC Only |
| 07 | DMG | | 0 | Disable Menu-operation Guide | |
| 08 | VSN | | 0 | Enable Noise Reduction in Video Mode | |
| 09 | LBB | | 0 | Lower Blue Back Intensity | |
| 10 | 23P | | 1 | 2/3 Pull Down Mode 0: Force OFF, 1: Auto | |
| 11 | DF | | 35 | DF_PHA | |
| 12 | DQP | | 30 | DQP_PHA | |
| 13 | VLIM | | *1 | Wide V-Center Limit | 50/60/ZM/WZ |
| 14 | TUT1 | | 5 | Tune Wait Time Mode1 (Max) 30[ms] + 10[ms] * service_data | |
| 15 | TUT2 | | 5 | Tune Wait Time Mode2 (Max) 30[ms] + 10[ms] * service_data | |
| 16 | TUT3 | | 5 | Tune Wait Time Mode3 (Max) 30[ms] + 10[ms] * service_data | |
| 17 | TUTW | | 5 | Tune Wait Time 6 point sense | |
| 18 | 3NR | | 1 | 3D-NR INIT (User Reset or Test Reset) | |
| 19 | SIG | | *2 | No-Signal Detect number of lock detect count. | TV/Video(HD/DVD) |
| 20 | NSIG | | *2 | No-Signal Detect number of unlock detect counter. | TV/Video(HD/DVD) |

*1

| Functionality | | V-Center Limit | | | |
|---------------|------|------------------|------------------|-----------|-----------|
| No. | Name | WIDEZOOM 50Hz | WIDEZOOM 60Hz | ZOOM 50Hz | ZOOM 60Hz |
| 13 | VLIM | 15 | 15 | 15 | 15 |

*2

| Functionality | | Signa-Detect | |
|---------------|------|--------------|-------|
| No. | Name | RF | Video |
| 19 | SIG | 0 | 5 |
| 20 | NSIG | 0 | 20 |

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参考交换

顺达数码

顺达数码

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OPB

| Functionality | | Range | Standards | Function | Remarks |
|---------------|------|-------|-----------|-----------------|---------|
| No. | Name | | | | |
| 00 | OP0 | | 60 | Optional Bits 0 | |
| 01 | OP1 | | 107 | Optional Bits 1 | |
| 02 | OP2 | | 3 | Optional Bits 2 | |
| 03 | OP3 | | 104 | Optional Bits 3 | |
| 04 | OP4 | | 52 | Optional Bits 4 | |

SRV

| Functionality | | Range | Standards | Function | Remarks |
|---------------|------|-------|-----------|-----------------|---------|
| No. | Name | | | | |
| 00 | COM | | | Service Command | |

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SECTION 4 SET-UP ADJUSTMENTS

- The following adjustments should be made when a complete realignment is required or a new picture tube is installed.
- These adjustments should be performed with rated power supply voltage unless otherwise noted.

Perform the adjustments in the following order :

1. Beam Landing
2. Convergence
3. Focus
4. White Balance

Note : Test Equipment Required.

1. Color-bar/Pattern Generator
2. Degausser
3. Oscilloscope

Controls and switches should be set as follows unless otherwise noted:

PICTURE control normal
BRIGHTNESS control..... normal

Preparation :

- In order to reduce the influence of geomagnetism on the set's picture tube, face it east or west.
- Switch on the set's power and degauss with the degausser.

4-1. BEAM LANDING

1. Input a white signal with the pattern generator.
Contrast } normal
Brightness }
2. Position neck assy as shown in Fig4-1.
3. Set the pattern generator raster signal to a green raster.
4. Move the deflection yoke to the rear and adjust with the purity control so that the green is at the center and the blue and the red take up equally sized areas on each side.
(See Figures 4-2 through 4-4.)
5. Move the deflection yoke forward and adjust so that the entire screen is green. (See Figure 4-3.)
6. Switch the raster signal to blue, then to green and verify the condition.
7. When the position of the deflection yoke has been decided, fasten the deflection yoke with the screws and DY spacers.

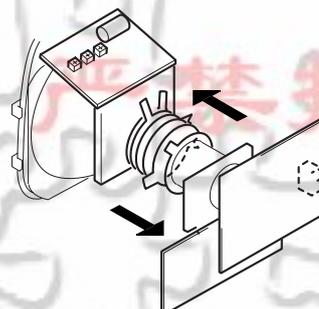


Fig. 4-2

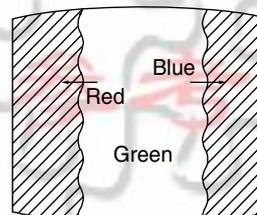


Fig. 4-3

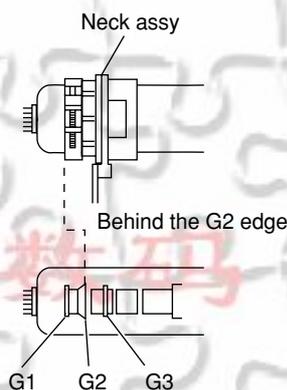


Fig. 4-1

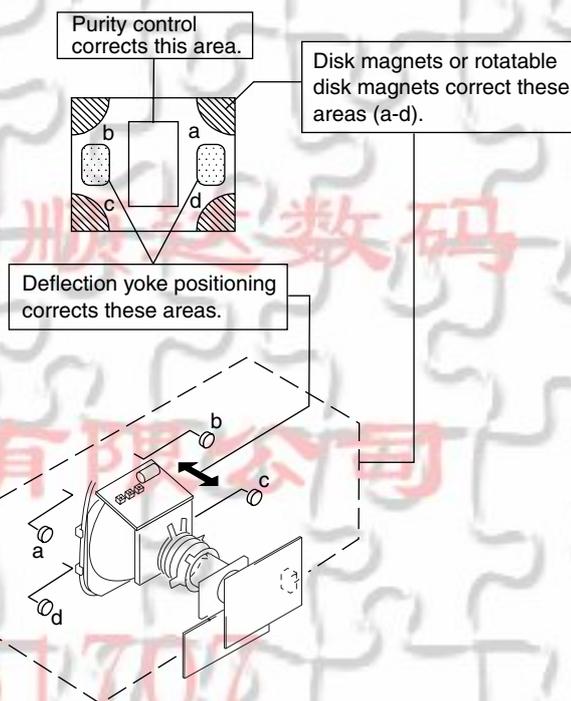


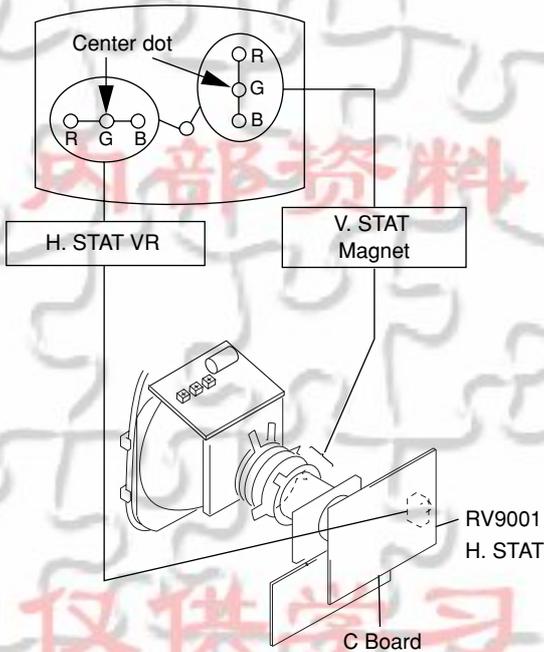
Fig. 4-4

4-2. CONVERGENCE ADJUSTMENT

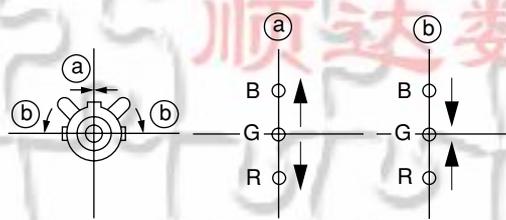
Preparation :

- Before starting this adjustment, adjust the focus, horizontal size and vertical size.
- Set the Picture Mode to "STANDARD".
- Cross hatch / Dot pattern.

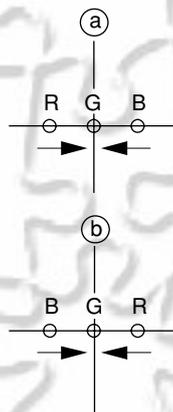
(1). Horizontal and Vertical Static Convergence



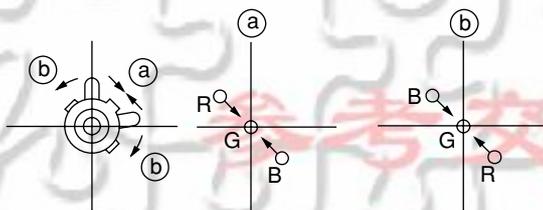
① V. STAT



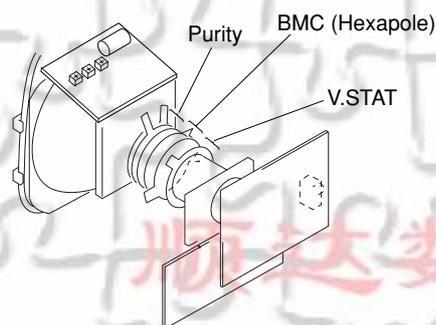
② H. STAT VR



③ BMC



1. (Moving horizontally), adjust the H.STAT control so that the red, green and blue dots are on top of each other at the center of the screen.
2. (Moving vertically), adjust the V.STAT magnet so that the red, green and blue dots are on top of each other at the center of the screen.
3. If the H.STAT variable resistor cannot bring the red, green and blue dots together at the center of the screen, adjust the horizontal convergence with the H.STAT variable resistor and the V.STAT magnet in the manner given below.
(In this case, the H.STAT variable resistor and the V.STAT magnet influence each other, so be sure to perform adjustments while tracking.)

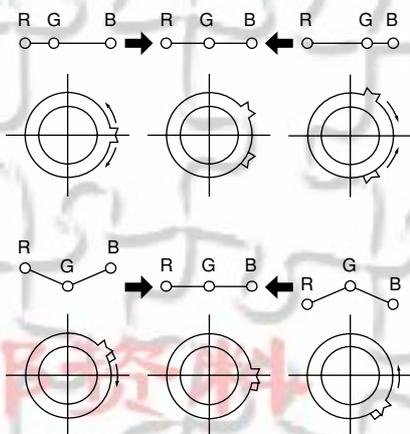


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④ BMC (Hexapole) Magnet.

If the red, green and blue dots are not balanced or aligned, then use the BMC magnet to adjust in the manner described below.

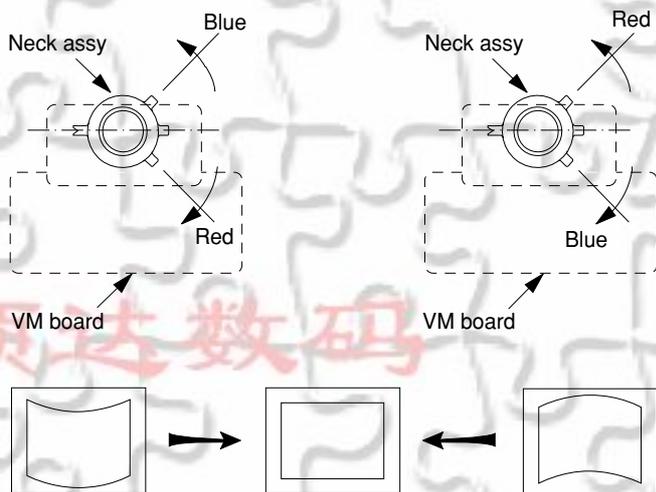


Note

1. The Red and Blue magnets should be equally far from the horizontal center line.
2. Do not separate the Red and Blue magnets too far. (Less than 8 mm)

⑤ Y separation axis correction magnet adjustment.

1. Receive the cross-hatch signal and adjust [PICTURE] to [MIN] and [BRIGHTNESS] to [STANDARD].
2. Adjust the Y separation axis correction magnet on the neck assembly so that the horizontal lines at the top and bottom of the screen are straight.



Note

1. The Red and Blue magnets should be equally far from the horizontal center line.
2. Do not separate the Red and Blue magnets too far. (Less than 8 mm)

(2) Dynamic Convergence Adjustment

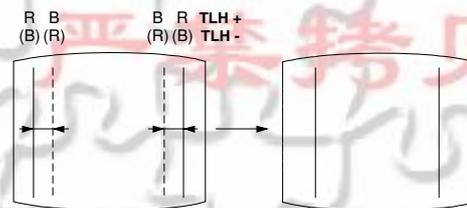
Preparation:

- Before starting this adjustment, adjust the horizontal static convergence and the vertical static convergence
- Set the PICTURE and BRIGHTNESS to normal.

1. Adjust TLH. (TLH correction piece)

- ① Receive the dot/hatch pattern signal and adjust picture quality by the menu.
- ② Correct horizontal mis-convergence of red and blue of both sides on the X axis.

When red is outside insert BMC magnet to right side (THL+) views from DY neck. And when blue is outside, insert it to left side (THL-) and take both sides.



2. Adjust XCV core.

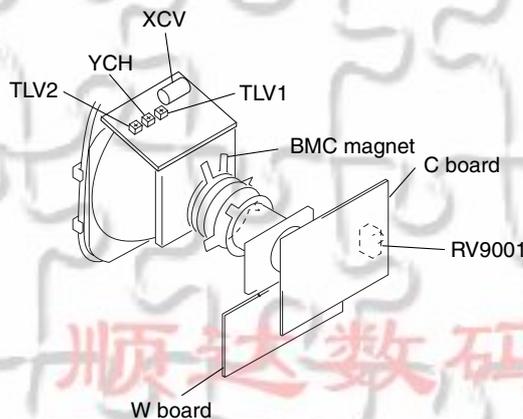
To able to become balance of XCV on the X axis well.

3. Adjust V-TILT.

Correct the vertical mis-convergence of red and blue of vertically sides on the Y axis.

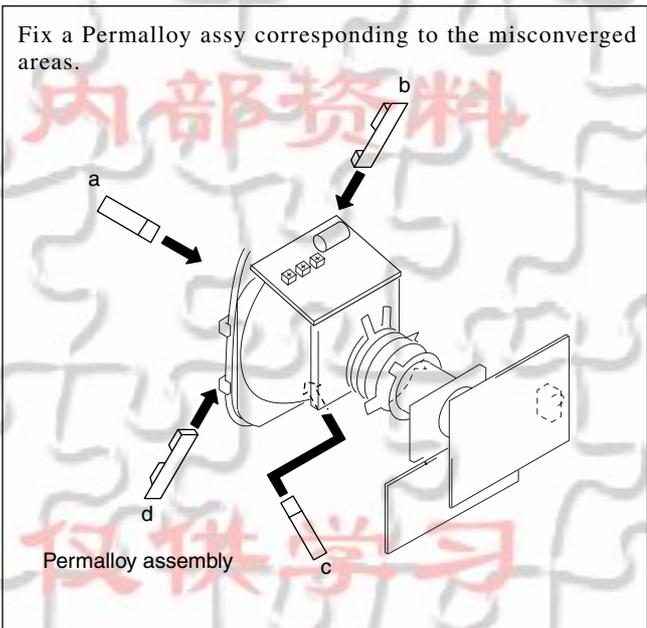
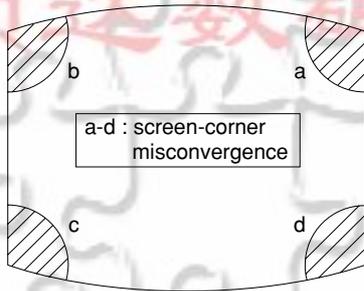
4. Adjust YCH.

Adjust horizontal mis-convergence of red and blue of vertically sides on the Y axis. Mentioned above steps 2 to 4 are adjusting respectively perform minuteness tracking.



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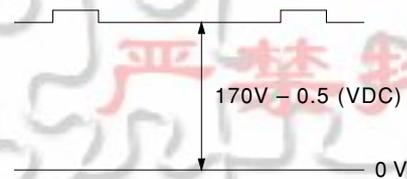
(3) Screen-corner Convergence



4-3. G2 (SCREEN) ADJUSTMENT

1. G2 (SCREEN) ADJUSTMENT

- 1) Set to zoom mode and the PICTURE and BRIGHTNESS to normal and to the service mode.
- 2) In put monoscope signal.
- 3) Set the service data. CXA2150P-210: ABLK10
- 4) Connect R, G and B of the C board cathode to the oscilloscope.
- 5) Adjust BRIGHTNESS to obtain the cathode voltage to the value below.
- 6) Whilst watching the picture, adjust the screen VR located on the flyback transformer to the point just before the flyback return lines disappear (to the point before cut-off)

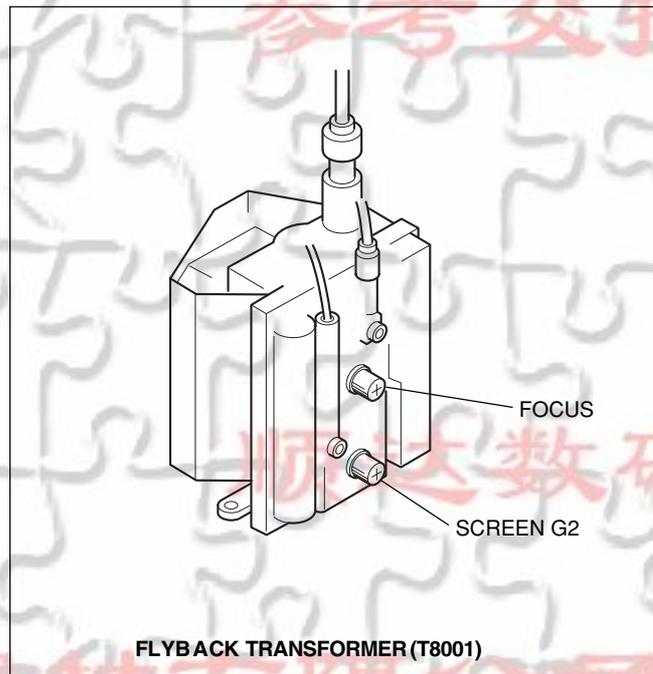


4-4. FOCUS ADJUSTMENT 1

Note

Focus adjustment should be completed before W/B adjustment.

- (1) Receive digital monoscope pattern.
- (2) Set DRC-MF to "Progressive" and PICTURE to "Standard".
- (3) Adjust FOCUS VR so that the center of the screen becomes just focus.

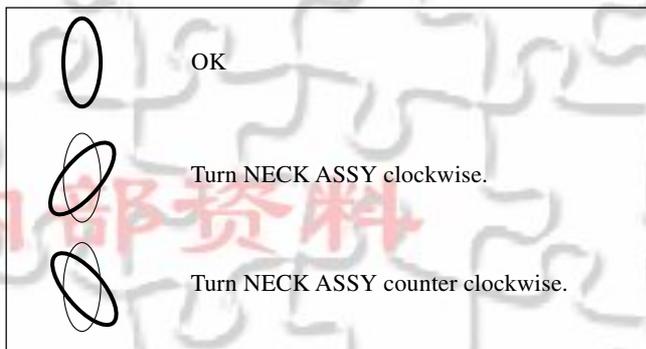


4-5. NECK ASSY TWIST ADJUSTMENT

- (1) Receive dot/hatch pattern.
- (2) Turn FOCUS VR fully counter-clockwise.
- (3) Confirm the dot shape at the screen center.
- (4) Resume FOCUS VR.

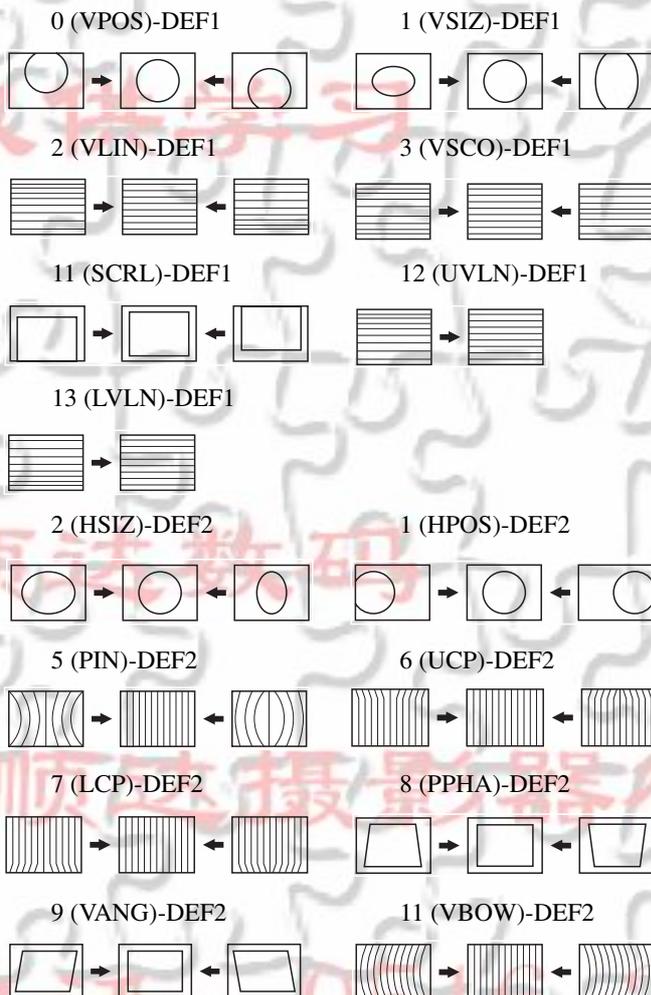
Note

In case of turning NECK ASSY, loosen the screw 3 turns. Do not move the position.



4-6. PICTURE DISTORTION ADJUSTMENT

Note: In this adjustment use the monoscope signal.
Adjust in the service mode "DEF1" and "DEF2".



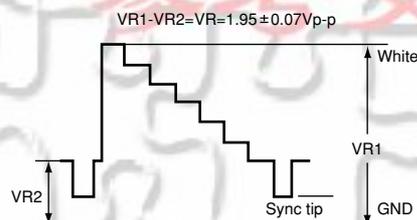
4-7.P & P SUB CONTRAST ADJUSTMENT (VIDEO) (NTSC/PAL)

1. Receive the signal.
TV terminal (sub) : Color-bar (white-75%, No setup)
VIDEO terminal (main) : Color-bar (white-75%, No setup)
2. VIDEO MODE : AV Pro
PICTURE : maximum
COLOR : minimum
RGB Signal : off
3. Set to P & P mode, and set to service mode.
4. Set the service data.

| Category | Reg. No & Name | Standards |
|----------|----------------|-----------|
| MCP | 2 RON | 1 |
| | 3 GON | 0 |
| | 4 BON | 0 |
| | 7 YLMT | 1 |
| PIC | 0 PIC | 100 |
| | 1 COL | 0 |
| | 5 PIOF | 0 |

5. Connect an oscilloscope between the check point and ground.
Check points : CN9001 pin ① (R-DRV) (C Board)
6. Adjust the item as shown below.

| | Category | Reg. No & Name |
|-------|----------|----------------|
| LEFT | CCPM | 1 YLEV |
| RIGHT | YCTS | 0 YLEV |



7. Write the data into memory.

MUTE → 12

4-8. P & P SUB-HUE AND SUB-COLOR ADJUSTMENT (VIDEO) (NTSC/PAL)

- Receive the signal.
TV terminal (sub) : Color-bar (white-75%, No setup)
VIDEO terminal (main) : Color-bar (white-75%, No setup)
- VIDEO MODE : AV Pro
PICTURE : maximum
COLOR : center
RGB Signal : on
- Set to P & P mode, set to service mode.
- Set the service data.

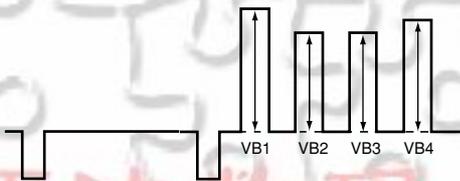
| Category | Reg. No & Name | Standards |
|----------|----------------|-----------|
| MCP | 2 RON | 1 |
| | 3 GON | 1 |
| | 4 BON | 1 |
| | 7 YLMT | 1 |
| PIC | 0 PIC | 60 |
| | 1 COL | 50 |

- Connect an oscilloscope between pin ⑤ (B-DRV) of CN9001 (C board) connector and ground.
- Adjust the item as shown below to have $VB1 \leq VB4$ and $VB2 \leq VB3$ in the waveform levels.

| | Category | Reg. No & Name | |
|-------|----------|----------------|------|
| LEFT | CCPM | 2 | CLEV |
| | | 3 | SHUE |
| RIGHT | YCTS | 1 | CLEV |
| | | 4 | SHUF |

- Write the data into memory.

MUTE → 12



4-9. WHITE BALANCE ADJUSTMENT

- VIDEO MODE : AV PRO
PICTURE : Maximum
COLOR : Minimum
Color Temp.: High
DRC-MF : Progressive
- Receive the all white signal and set to full mode screen and to the service mode.
- Minimize the cut-offs and make drives normal in the following items.

| Category | Reg. No & Name | |
|----------|----------------|------|
| COLR | 3 | GDRV |
| | 4 | BDRV |
| | 6 | GCUT |
| | 7 | BCUT |

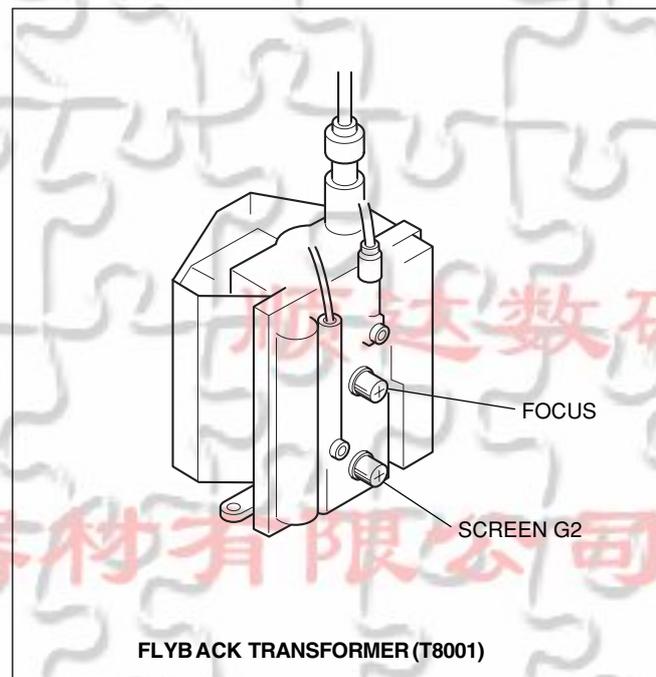
- Adjust with the cut-offs and the drives mutually the white balance becomes best in the mode the picture is maximum or minimum.

4-10. FOCUS ADJUSTMENT 2

Note

Focus adjustment should be completed before W/B adjustment.

- Receive digital monoscope pattern.
- Set DRC-MF to "Progressive" and PICTURE to "Standard".
- Adjust FOCUS VR so that the center of the screen becomes just focus.
- Change the receiving signal to white pattern and blue back.
- Confirm MAGENTA RING should not be over the limit sample. In case MAGENTA RING is over the limit sample, adjust FOCUS VR to take tracking of MAGENTA RING and FOCUS.



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SECTION 5

SAFETY RELATED ADJUSTMENTS

[D BOARD]

5-1. +B MAX VOLTAGE CONFIRMATION

1. Supply 242 ± 2 VAC to variable autotransformer.
2. Receive dot signal pattern and set the PICTURE and BRIGHTNESS settings to their minimum.
3. Confirm the voltage between the both sides of C6512 on D board is 137.0 V dc or less.

5-2. HV REGULATION CIRCUIT ADJUSTMENT

When replacing the following components marked with on the schematic diagram always check HV regulation, and if necessary re-adjust.

: RV8002

: IC8004, IC8005,
R8014, R8015, R8017
PH8003
T8001 (FBT)
D board

1. Connect a HV static voltmeter to the unconnected plug of the high-voltage block.
2. Power on the set.
3. Receive the dot signal.
4. Set PIC MIN/BRT MIN.
5. Confirm that the static voltmeter reading is 31.5 ± 0.3 kVDC.
6. If not, adjust with RV8002 to the specified value.

5-3. HV PROTECTOR CIRCUIT CHECK

When replacing the following components marked with on the schematic diagram always check hold-down voltage.

: RV8002

: D8014
IC8001
R8016, R8019, R8046, R8052, R8072,
R8078, R8079, R8165
T8001 (FBT)
D board

1. Connect a HV static voltmeter to the unconnected plug of the high-voltage block.
2. Power on the set.
3. Receive the dot signal.
4. Set PIC MIN/BRT MIN.
5. The set turns off (the protector circuit activates) at the 36.6kVDC or less reading on the static voltmeter.
6. After that, adjust the item 5-2 (Return to 31.5kVDC).

5-4. IK PROTECTOR CIRCUIT CHECK (D BOARD)

When replacing the following components marked with / on the schematic diagram, always check IK protector circuit.

: D8004
IC8001
Q8007
R8027, R8030, R8035, R8037
R8038, R8039, R8040, R8041, R8043,
D board

1. Unsolder T8001 (FBT) Pin 1 and connect a DC current meter between Pin 1 and the pattern.
2. Remove R0494 (MG MOUNT).
3. Feed the all white signal, increase the picture and brightness slowly and check the hold-down works when the reading on the DC current meter is 2670uA.
4. Turn power off.
5. Remove the DC current meter and set R0494 solder the unsolder portions.

MEMO

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顺达数码

内部资料

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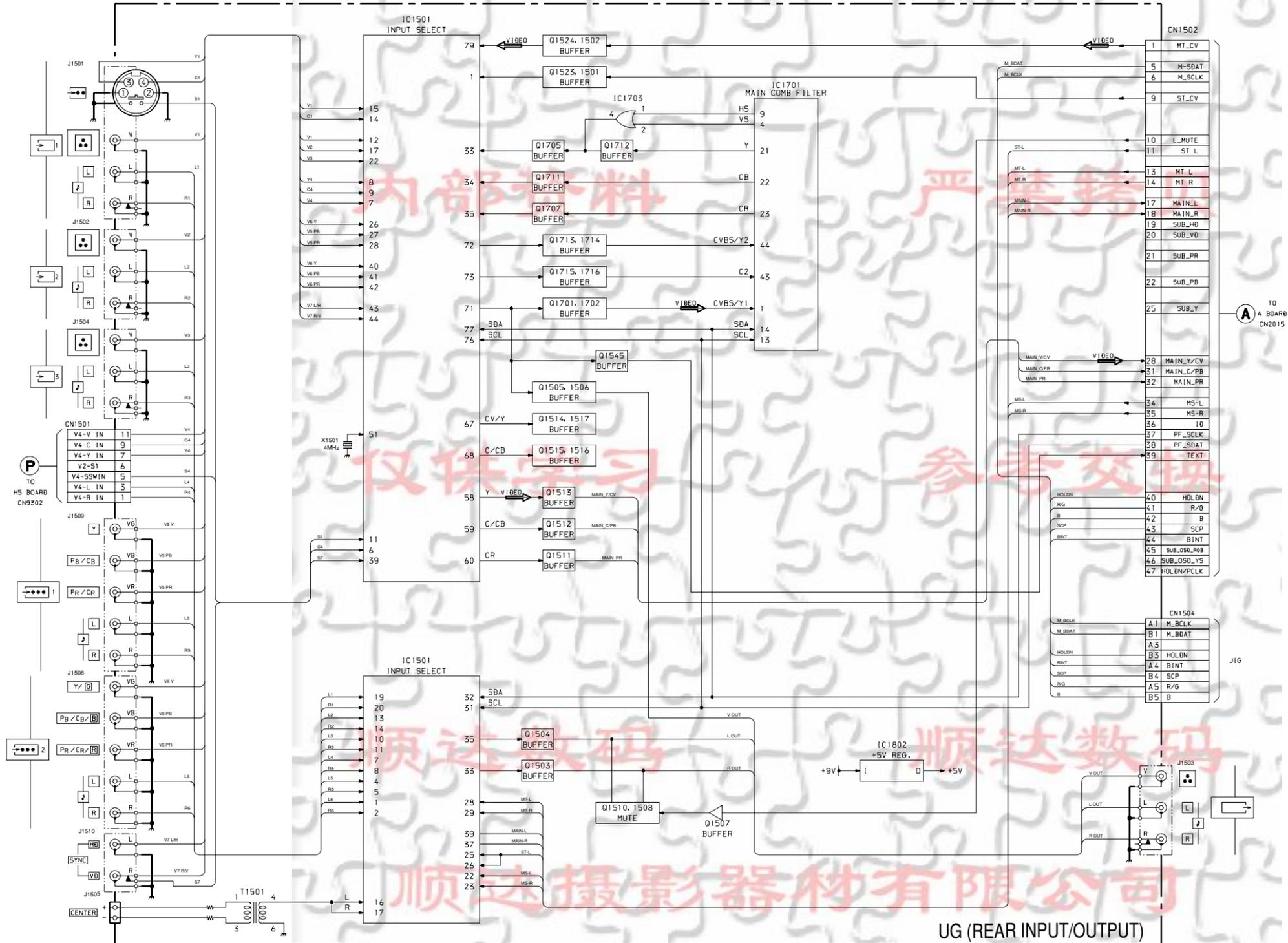
顺达数码

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SECTION 6
DIAGRAMS

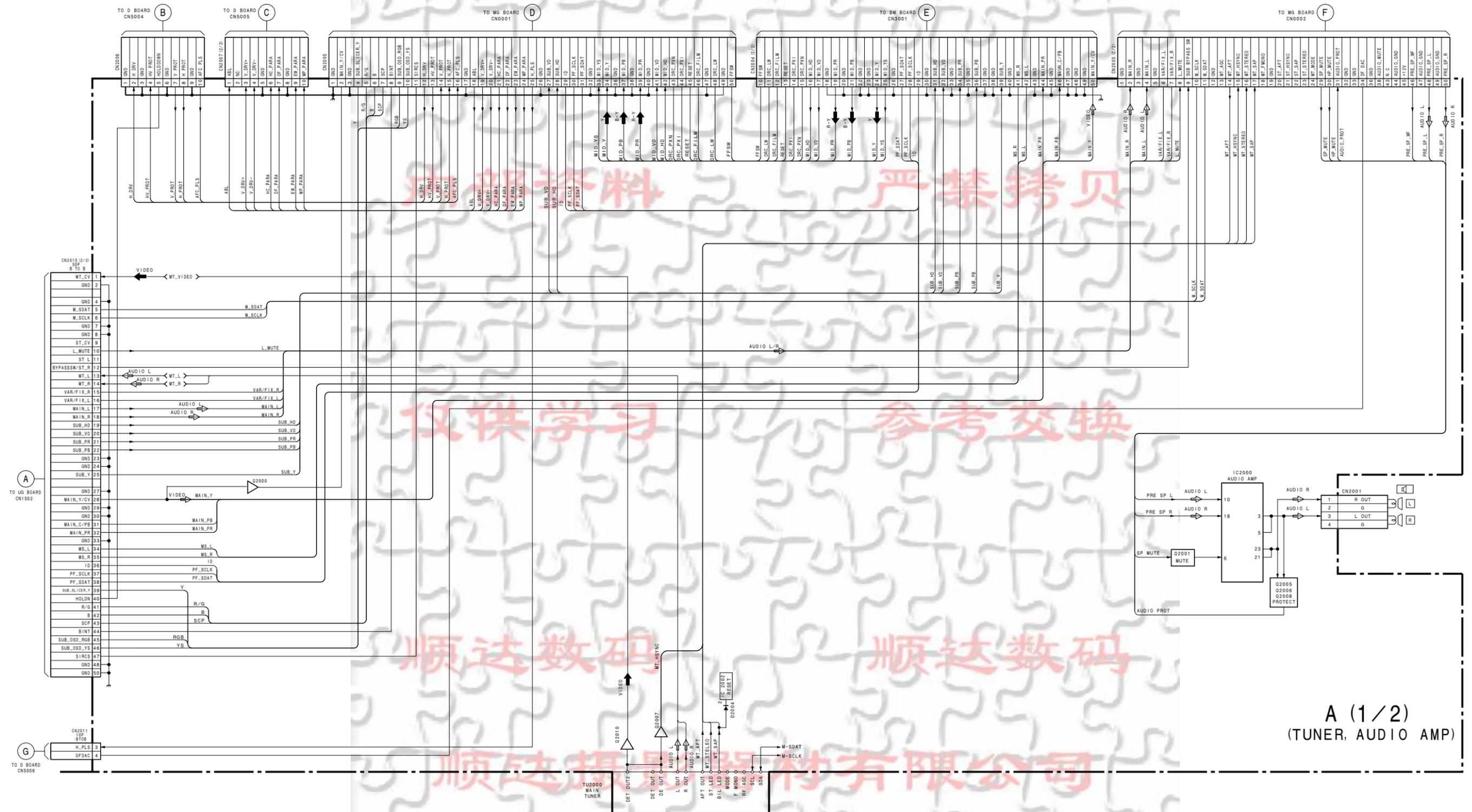
6-1. BLOCK DIAGRAM (1)



UG (REAR INPUT/OUTPUT)

电话: 0516-2951707

BLOCK DIAGRAM (2)



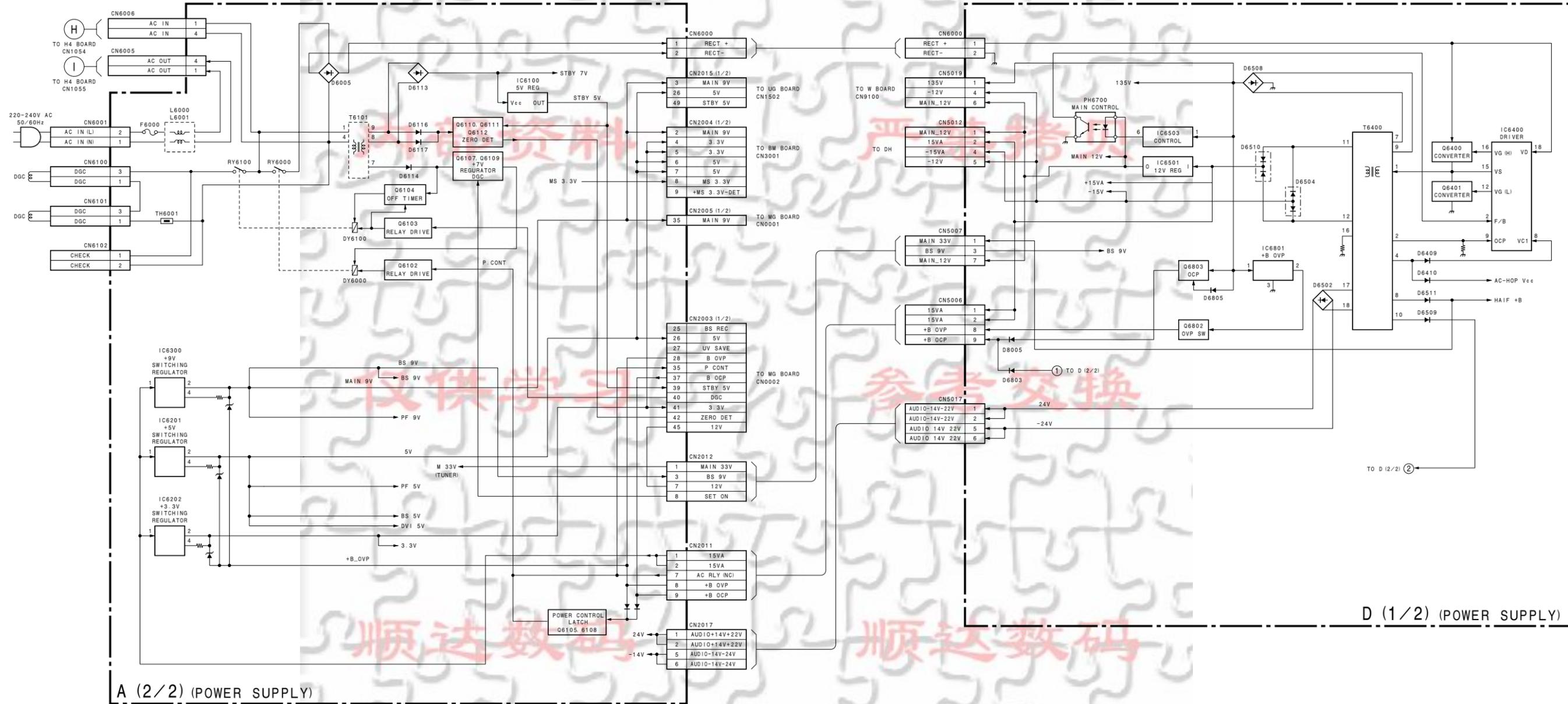
A (1/2)
(TUNER, AUDIO AMP)

电话: 0516-2951707

BLOCK DIAGRAM (3)

顺达数码

顺达数码



A (2/2) (POWER SUPPLY)

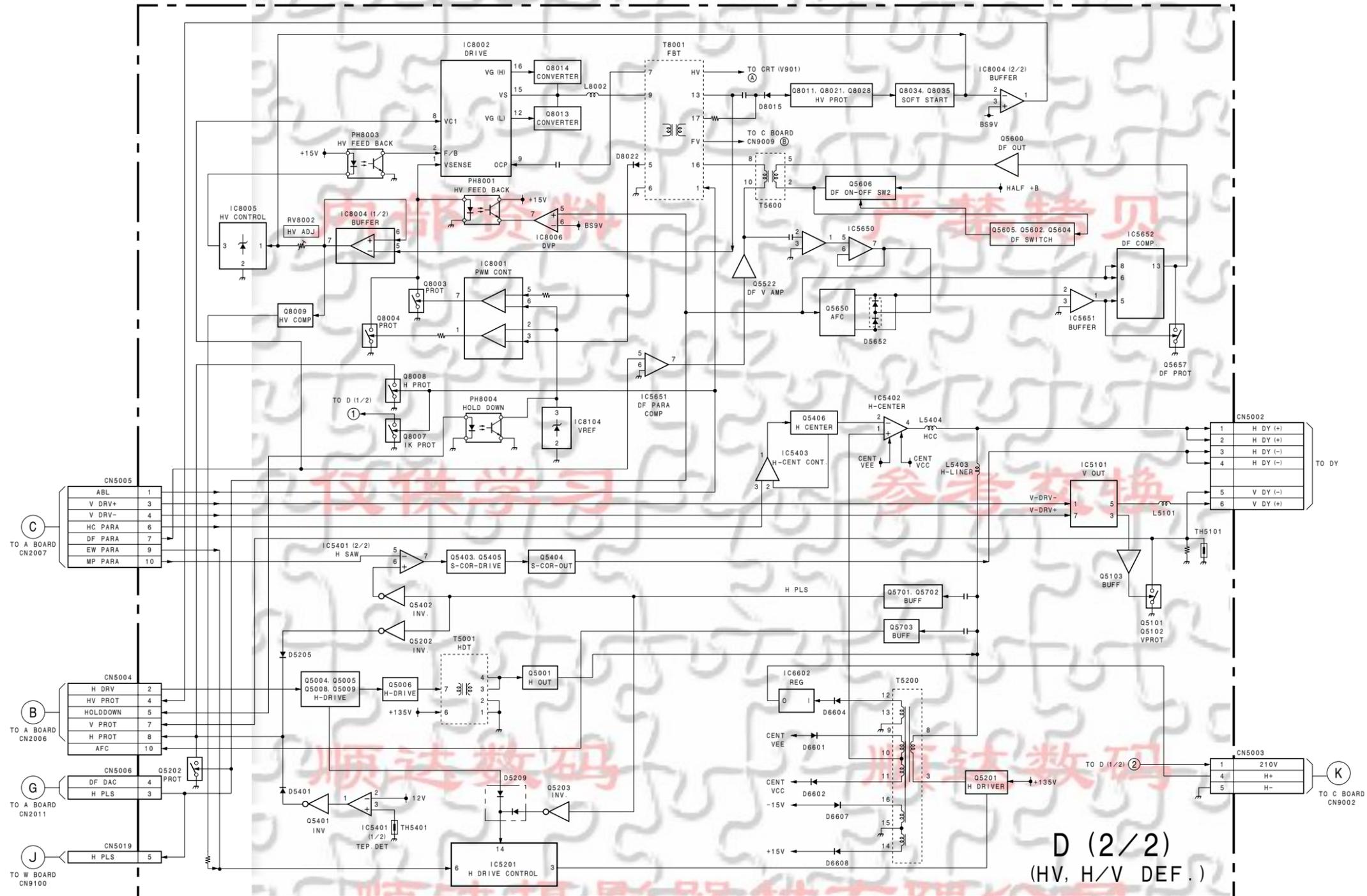
D (1/2) (POWER SUPPLY)

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电话：0516-2951707

BLOCK DIAGRAM (4)

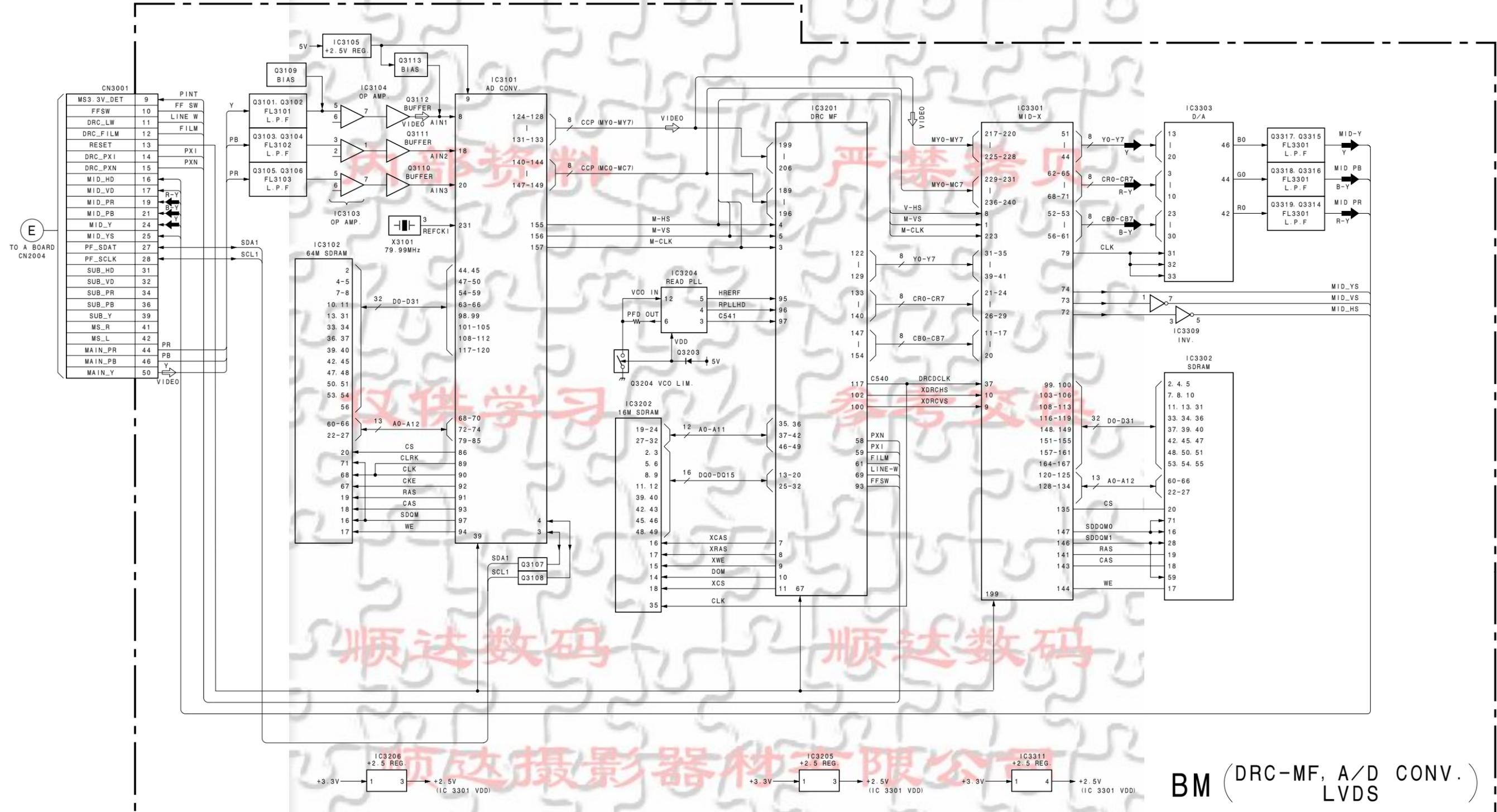
顺达数码 顺达数码



D (2/2)
(HV, H/V DEF.)

顺达数码器材有限公司
电话：0516-2951707

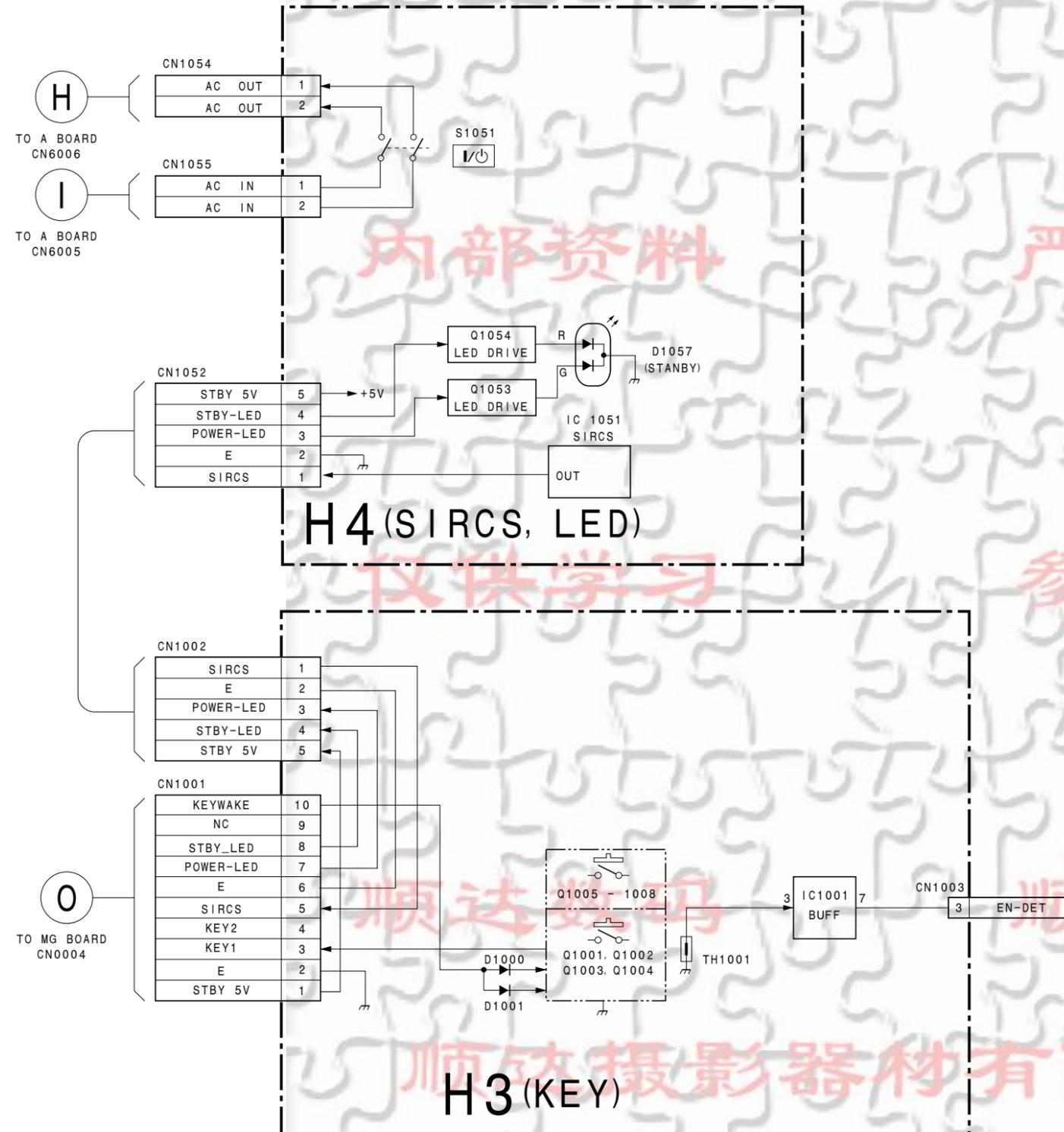
BLOCK DIAGRAM (5)



BM (DRC-MF, A/D CONV.)
LVDS

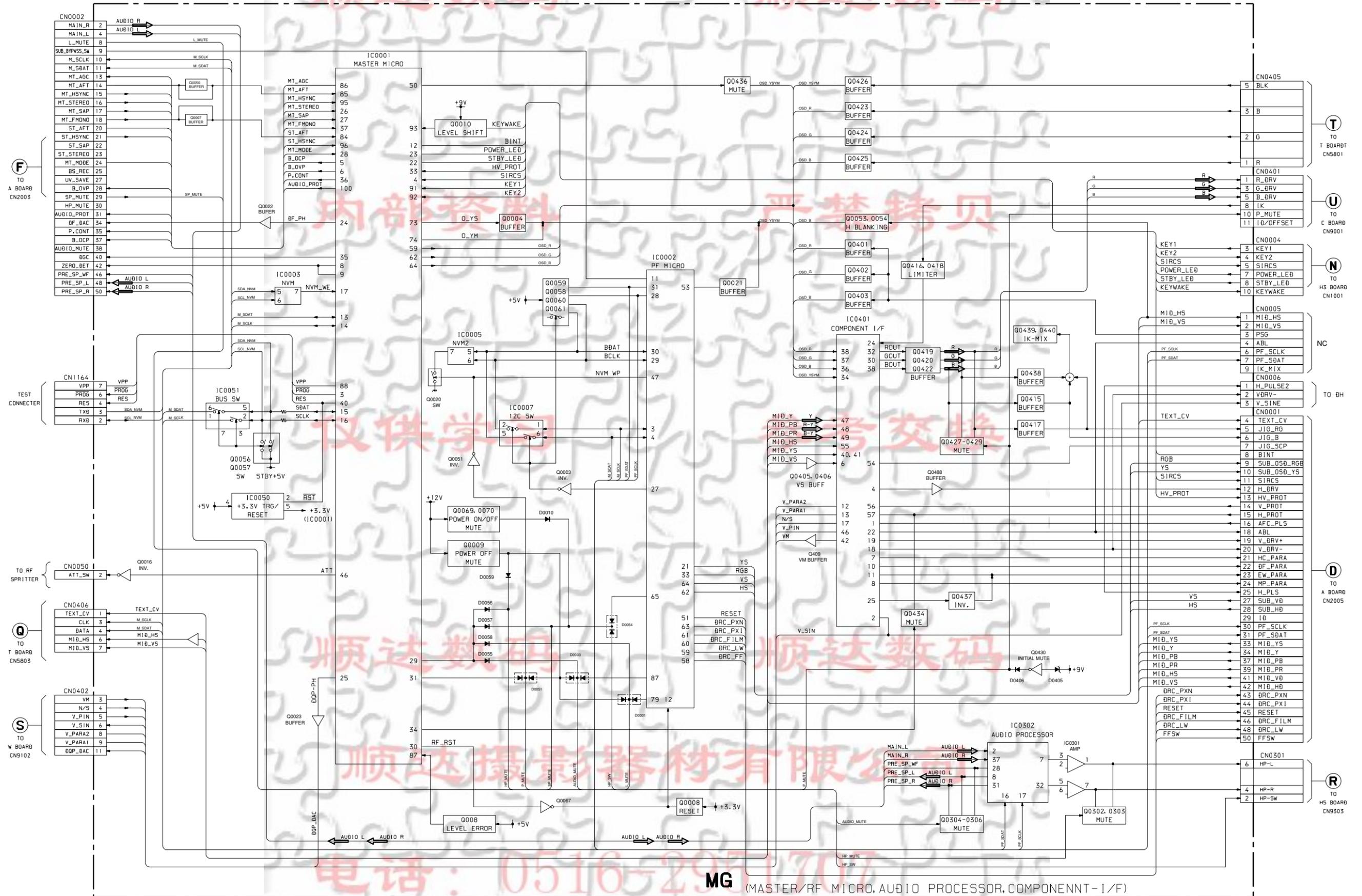
电话: 0516-2951707

BLOCK DIAGRAM (6)



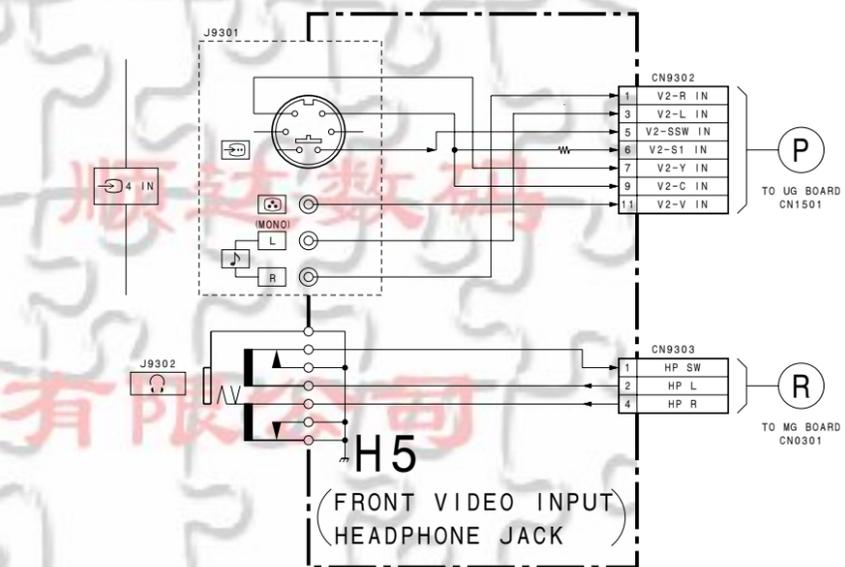
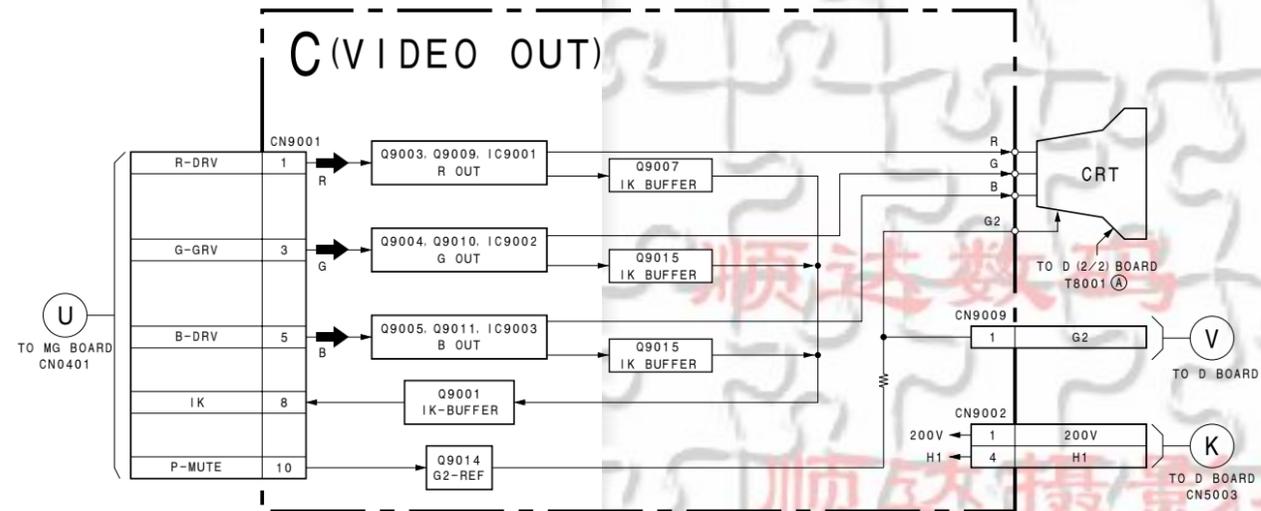
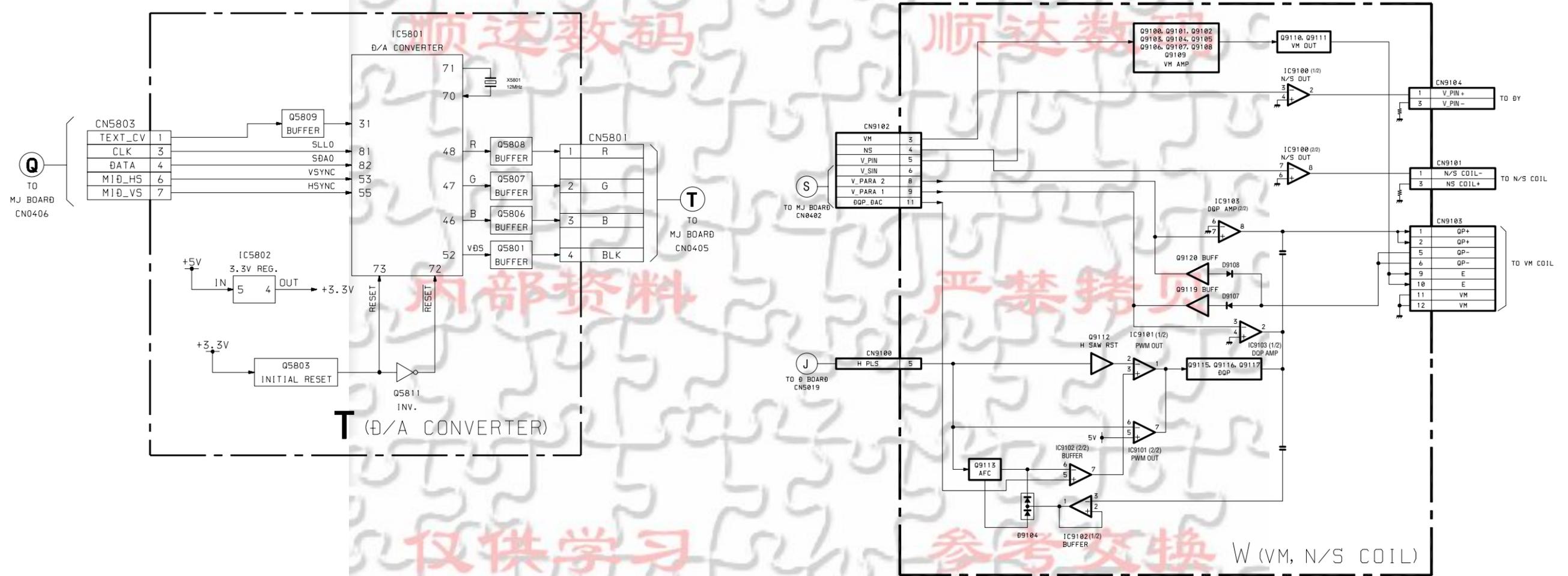
电话：0516-2951707

BLOCK DIAGRAM (7)



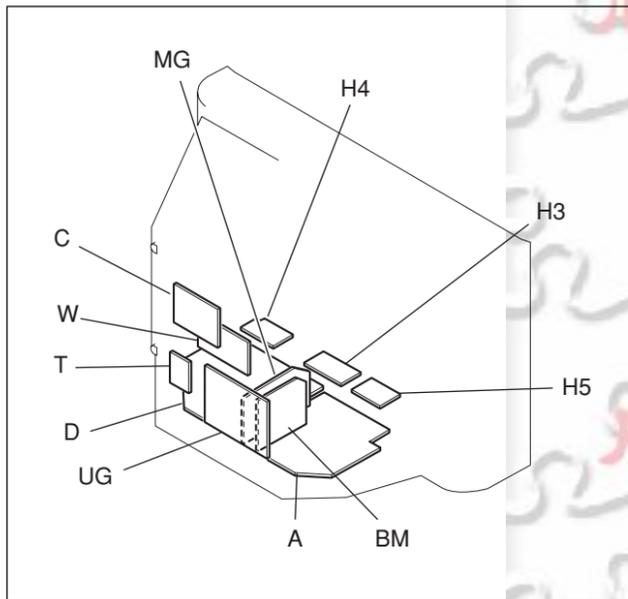
MG (MASTER/RF MICRO, AUDIO PROCESSOR, COMPONENT-1/F)

BLOCK DIAGRAM (8)



电话: 0516-2951707

6-2. CIRCUIT BOARDS LOCATION



Note: The symbol display is on the component side.

The components identified by shading and mark are critical for safety. Replace only with part number specified.

The symbol indicate fast operating fuse. Replace only with fuse of same rating as maked.

6-3. SCHEMATIC DIAGRAMS

Note:

- Capacitors without voltage indication are all 50V.
- All resistors are in ohms.
k Ω =1000 Ω , M Ω =1000k Ω
- Indication of resistance, which dose not have one for rating electrical power, is as follows.
Pitch : 5mm
Rating electrical power : 1/4 W
- : nonflammable resistor.
- : fusible resistor.
- Δ : internal component.
- : panel designation and adjustment for repair.
- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.
- : earth-chassis.
- The components identified by in this basic schematic diagram have been carefully factory-selected for each set in order to satisfy regulations regarding X-ray radiation.
Should replacement be required, replace only with the value originally used.
- When replacing components identified by , make the necessary adjustments indicated. If results do not meet the specified value, change the component identified by and repeat the adjustment until the specified value is achieved.
(Refer to RV8002 adjustment on Page 56.)
- Readings are taken with a PAL color-bar signal input.
- Readings are taken with a 10M Ω digital multimeter.

- Voltages are dc with respect to ground unless otherwise noted.
- Voltage variations may be noted due to normal production tolerances.
- All voltages are in V.
- * : Measurement impossibility.
- : waveform references.
- : B+ bus.
- : B- bus.
- : signal path.(RF)

Reference information

| | | |
|-----------|------------|--------------------------|
| RESISTOR | : RN | METAL FILM |
| | : RC | SOLID |
| | : FPRD | NONFLAMMABLE CARBON |
| | : FUSE | NONFLAMMABLE FUSIBLE |
| | : RW | NONFLAMMABLE WIREWOUND |
| | : RS | NONFLAMMABLE METAL OXIDE |
| | : RB | NONFLAMMABLE CEMENT |
| | : \times | ADJUSTMENT RESISTOR |
| COIL | : LF-8L | MICRO INDUCTOR |
| CAPACITOR | : TA | TANTALUM |
| | : PS | STYROL |
| | : PP | POLYPROPYLENE |
| | : PT | MYLAR |
| | : MPS | METALIZED POLYESTER |
| | : MPP | METALIZED POLYPROPYLENE |
| | : ALB | BIPOLAR |
| | : ALT | HIGH TEMPERATURE |
| | : ALR | HIGH RIPPLE |

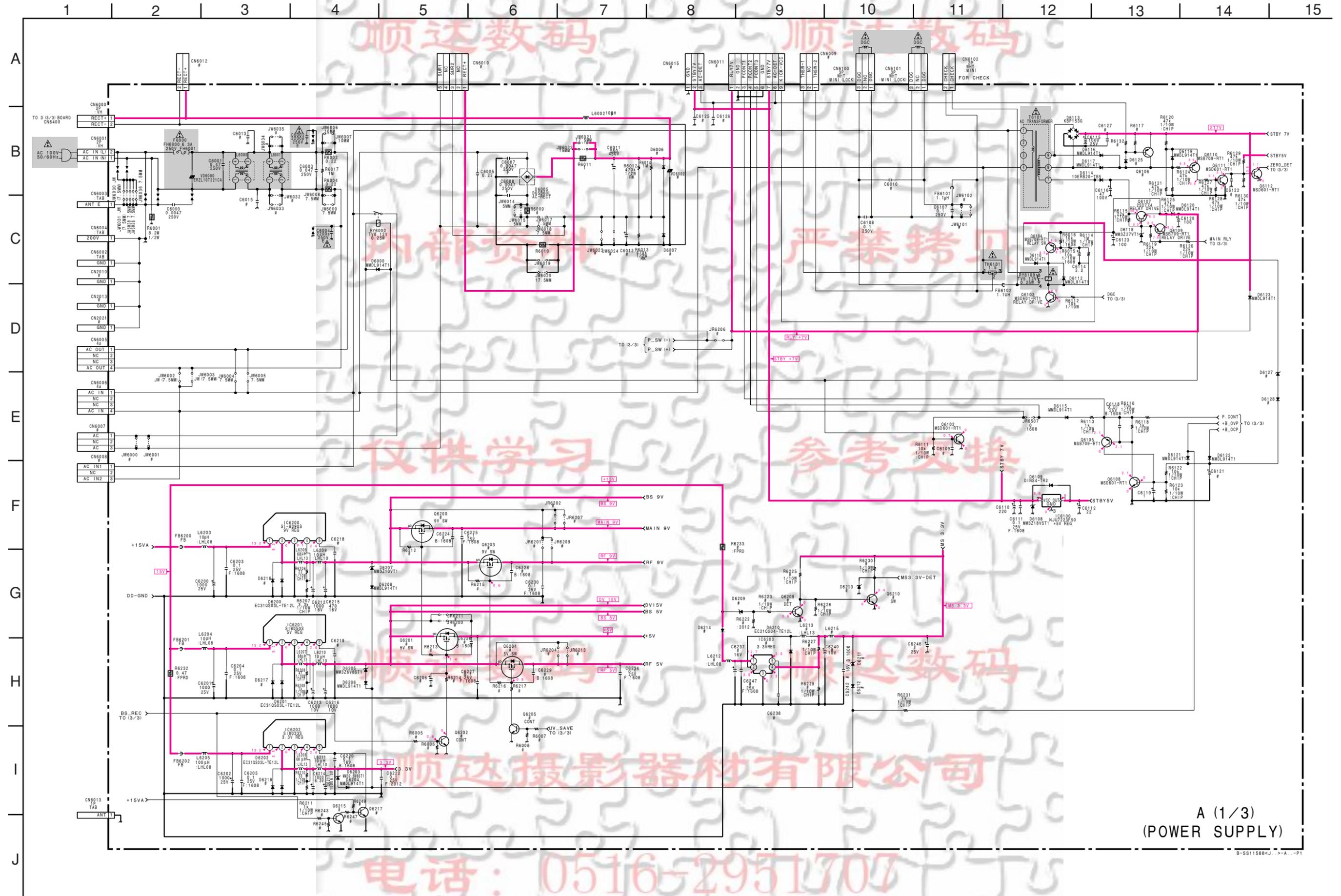
Terminal name of semiconductors in silk screen printed circuit (*)

| Device | Printed symbol | Terminal name | Circuit |
|--------------------|------------------------|------------------------------------|---------|
| ① Transistor | | Collector Base Emitter | |
| ② Transistor | | Collector Base Emitter | |
| ③ Diode | | Cathode Anode | |
| ④ Diode | | Cathode Anode (NC) | |
| ⑤ Diode | | Cathode Anode (NC) | |
| ⑥ Diode | | Common Anode Cathode | |
| ⑦ Diode | | Common Anode Cathode | |
| ⑧ Diode | | Common Anode Anode | |
| ⑨ Diode | | Common Anode Anode | |
| ⑩ Diode | | Common Cathode Cathode | |
| ⑪ Diode | | Common Cathode Cathode | |
| ⑫ Diode | | Anode Anode Cathode Anode | |
| ⑬ Transistor (FET) | | Drain Source Gate | |
| ⑭ Transistor (FET) | | Drain Source Gate | |
| ⑮ Transistor (FET) | | Source Drain Gate | |
| ⑯ Transistor | | Emitter Collector Base | |
| ⑰ Transistor | | C2 B1 E1 E2 B2 C1 | |
| ⑱ Transistor | | C1 B2 E2 E1 B1 C2 | |
| ⑲ Transistor | | C1 B2 E2 E1 B1 C2 | |
| ⑳ Transistor | | C1 B2 E2 E1 B1 C2 | |
| ㉑ Transistor | | E2 B1 E1 C2 C1(B2) | |
| ㉒ Transistor | | (B2) B1 E1 E2 C1 C2 | |
| ㉓ Transistor | | (B2) E2 E1 B1 C2 C1 | |
| - | Discrete semiconductor | | |

(Chip semiconductors that are not actually used are included.)

Ver.1.5

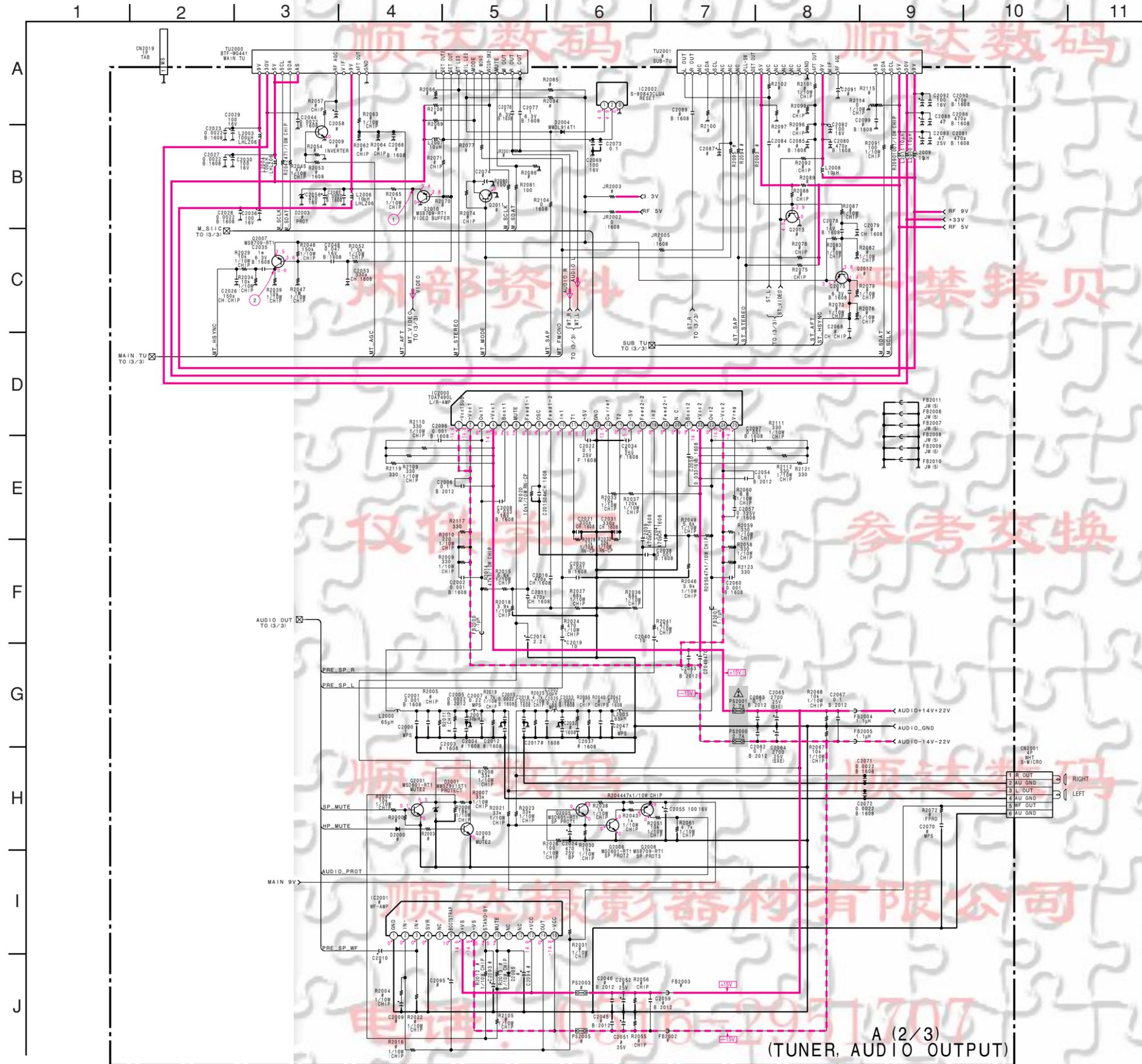
(1) Schematic Diagram of A (1/3) Board



A (1/3)
(POWER SUPPLY)

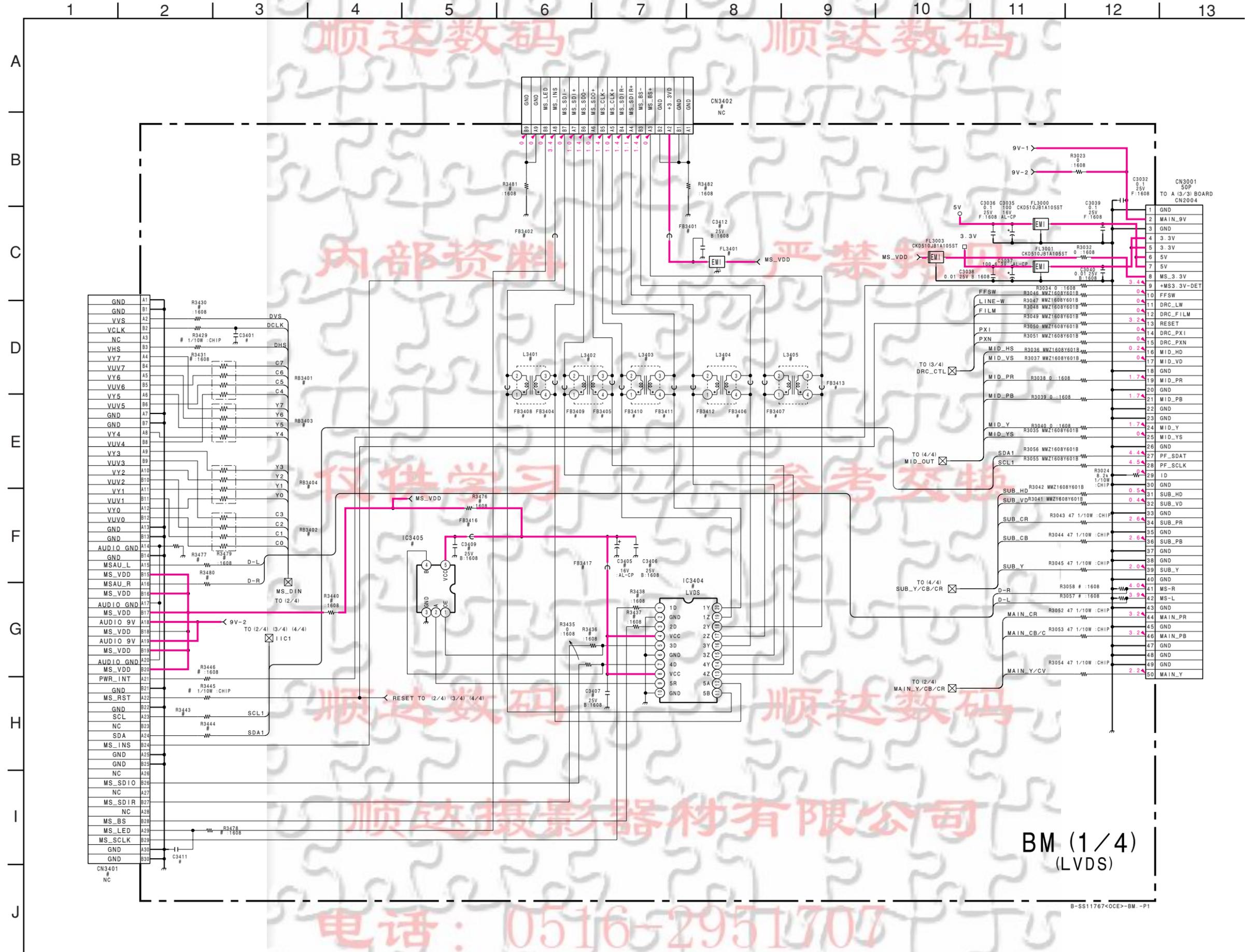
B-S11568C-J-3-A--P1

(2) Schematic Diagram of A (2/3) Board

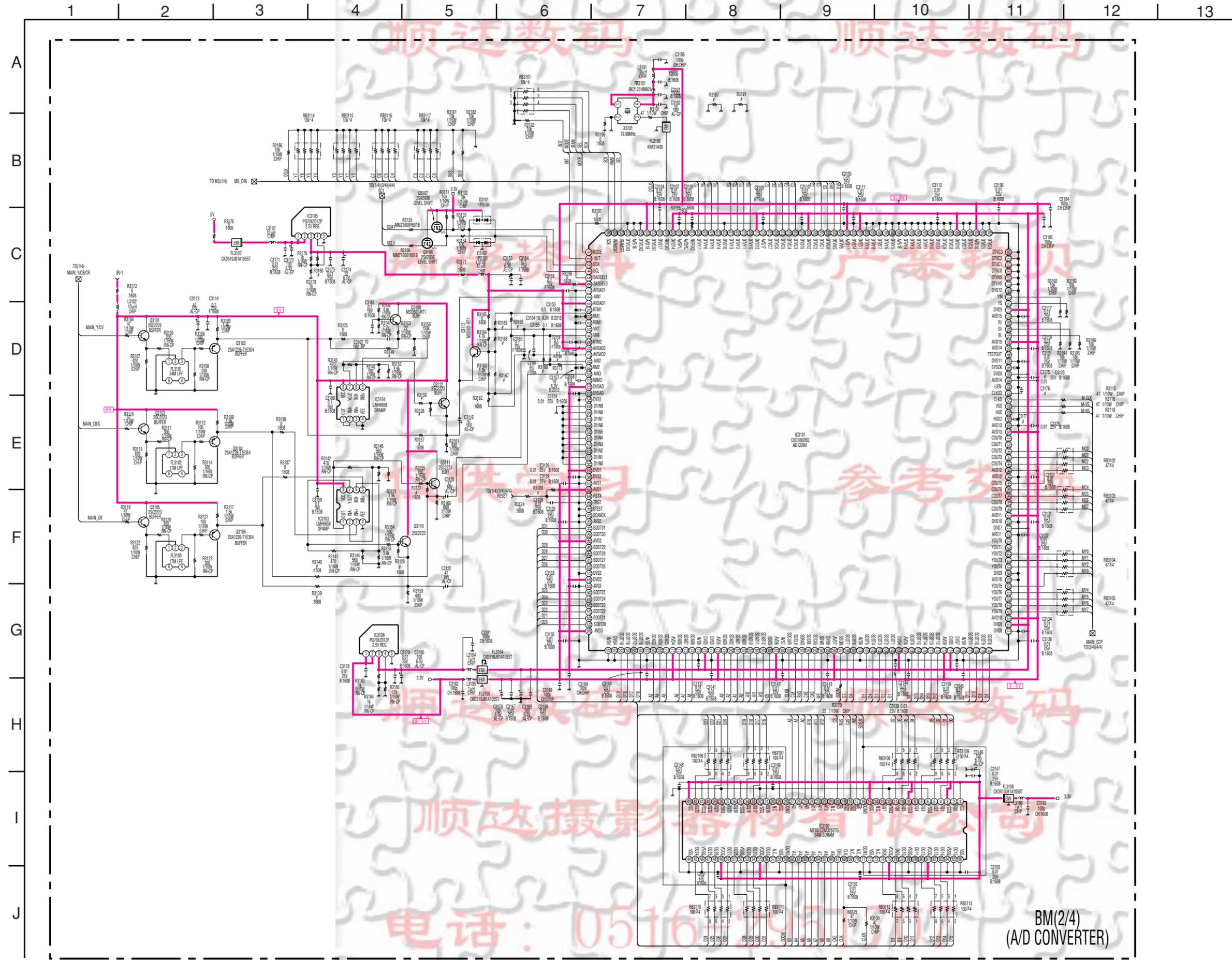


A (2/3)
(TUNER, AUDIO OUTPUT)

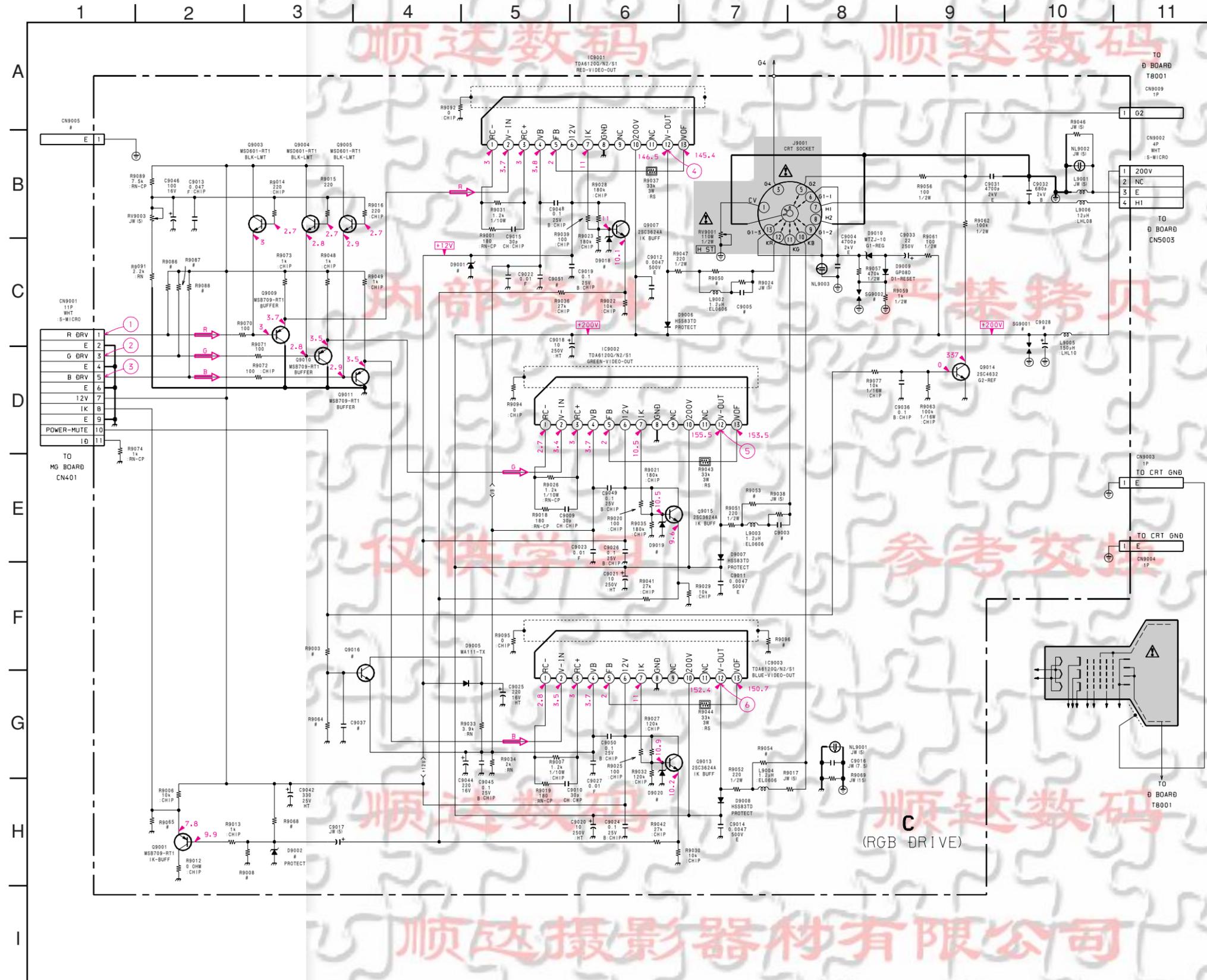
(4) Schematic Diagram of BM (1/4) Board



(5) Schematic Diagram of BM (2/4) Board

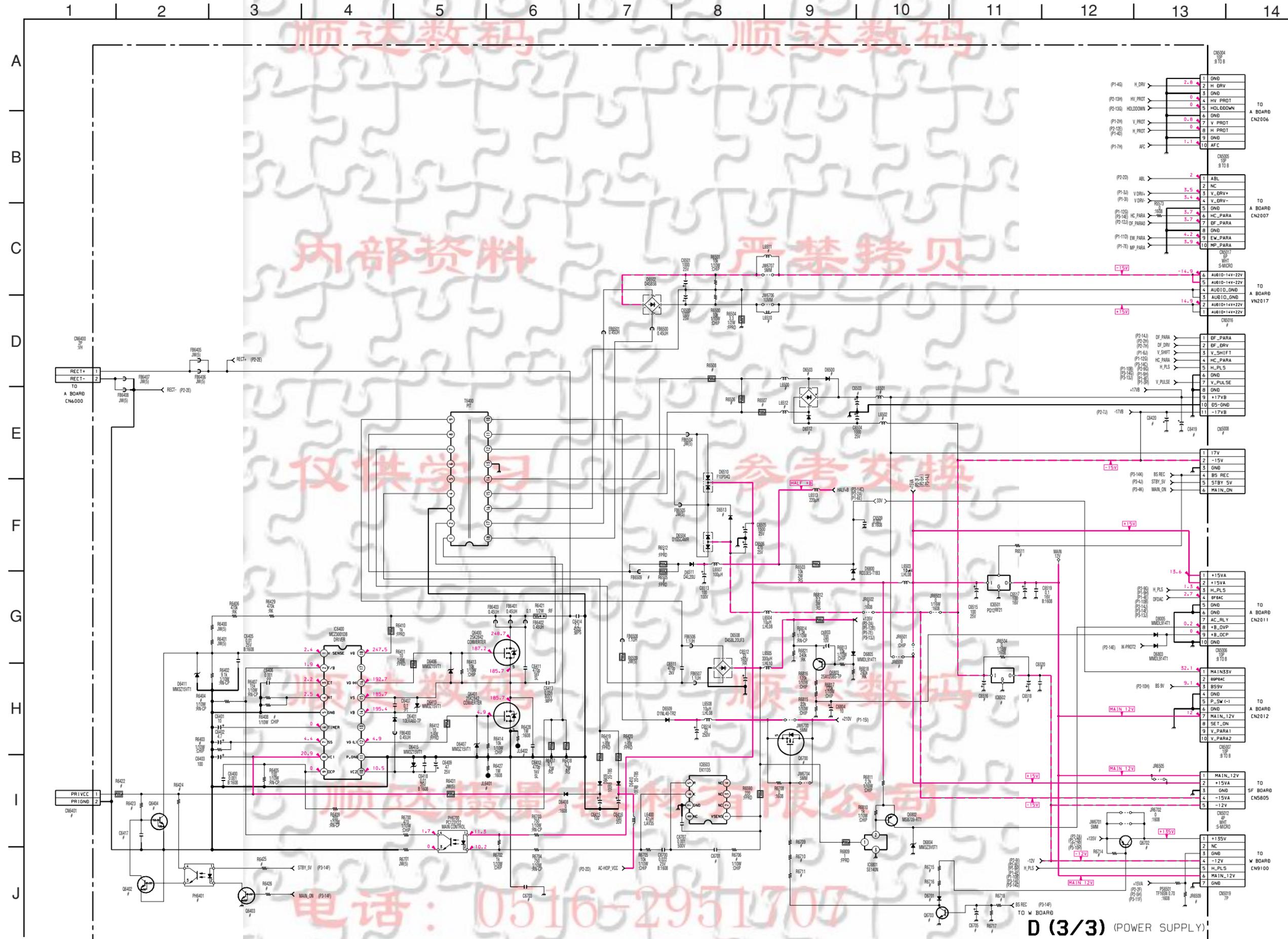


(8) Schematic Diagram of C Board



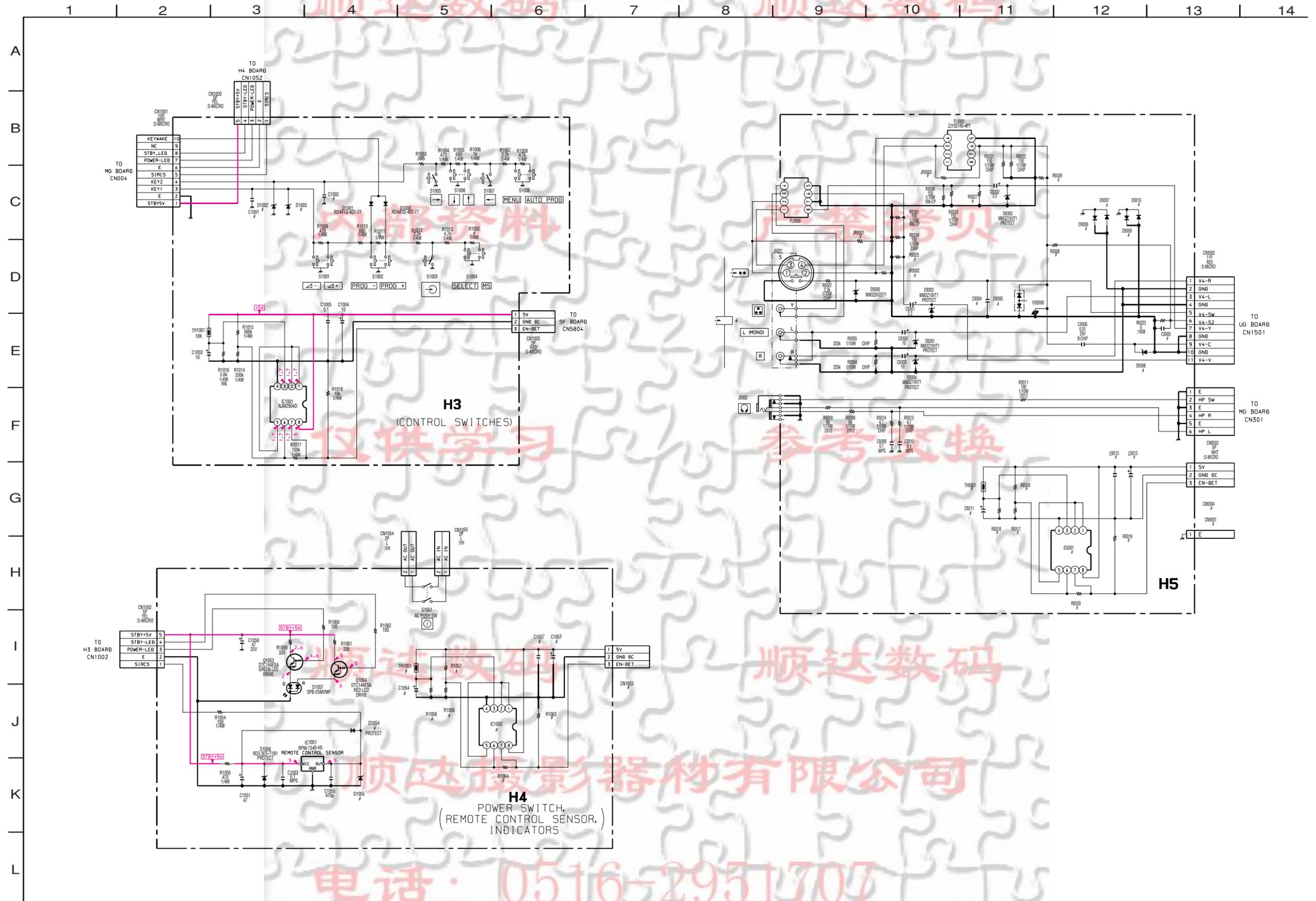
顺达摄影器材有限公司
电话: 0516-2951707

(11) Schematic Diagram of D (3/3) Board



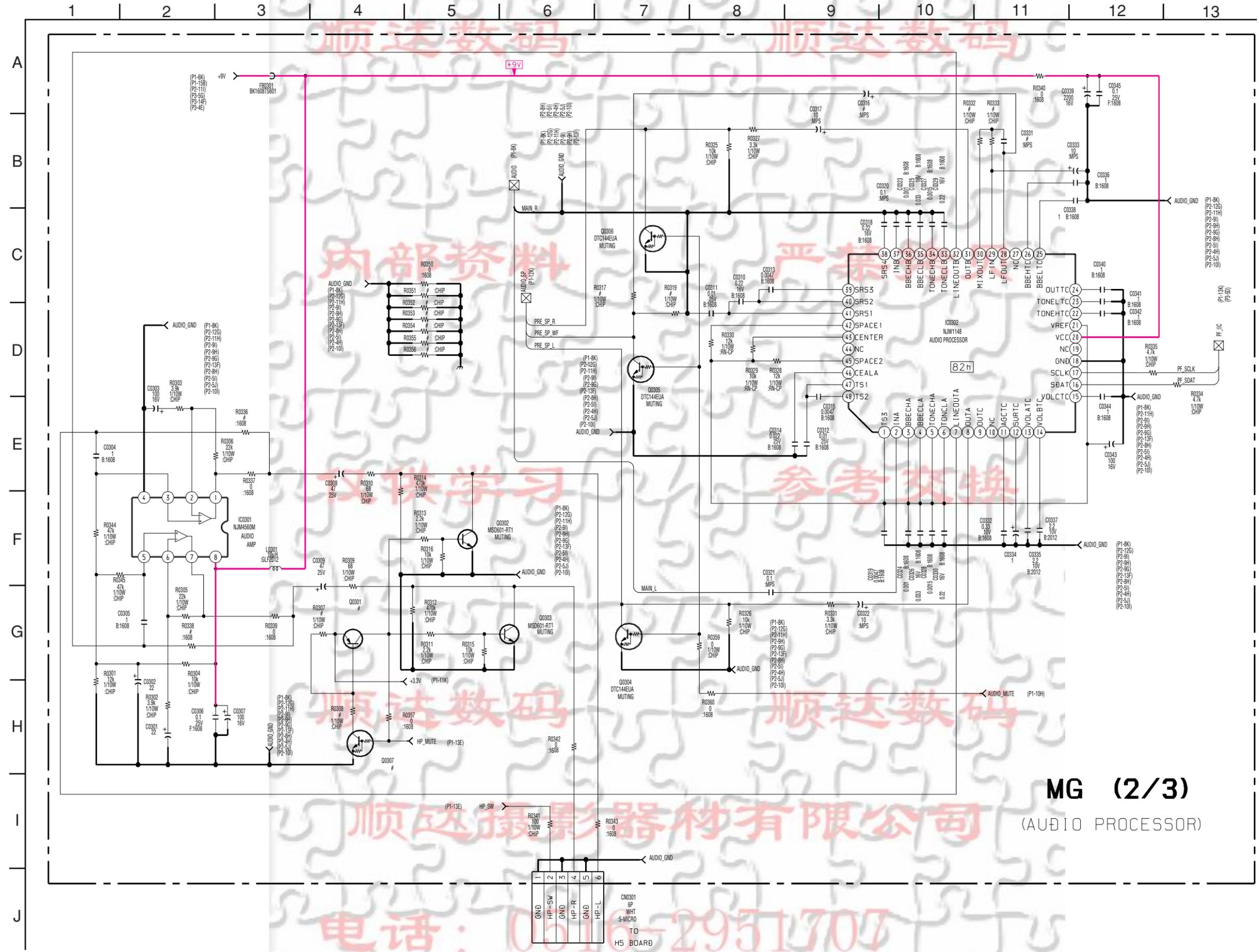
D (3/3) (POWER SUPPLY)

(12) Schematic Diagram of H3, H4, H5 Board



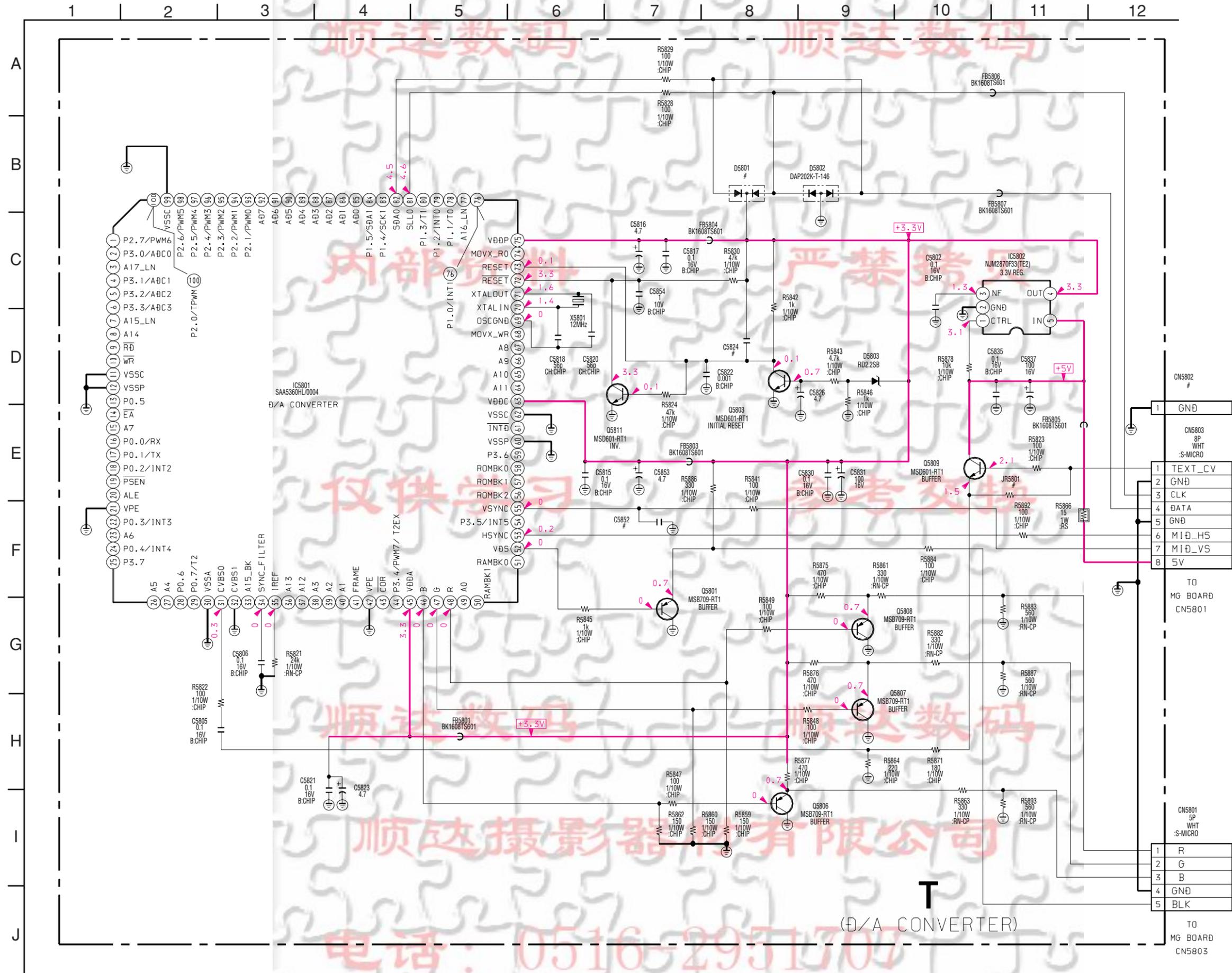
电话: 0516-2951707

(14) Schematic Diagram of MG (2/3) Board

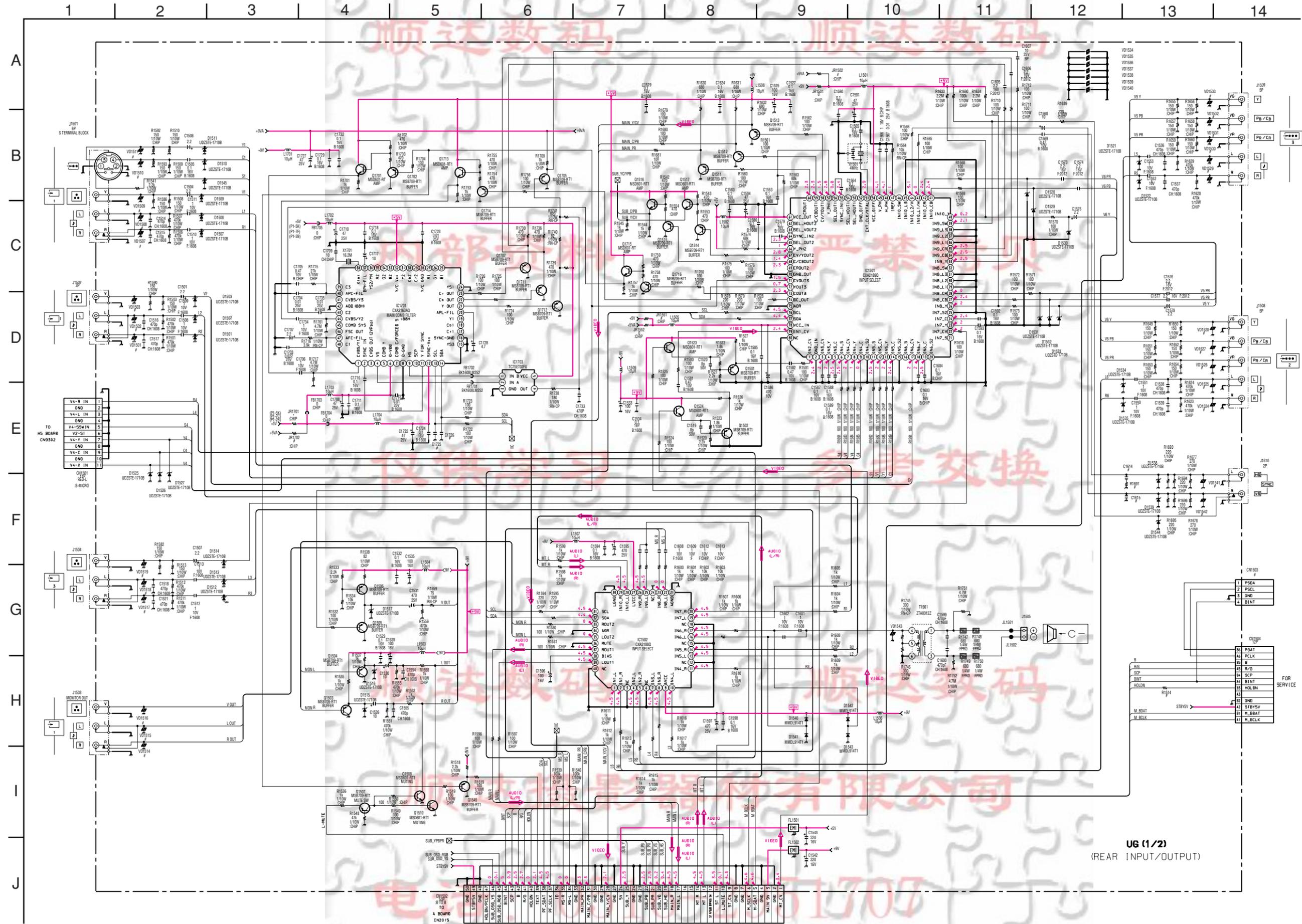


MG (2/3)
(AUDIO PROCESSOR)

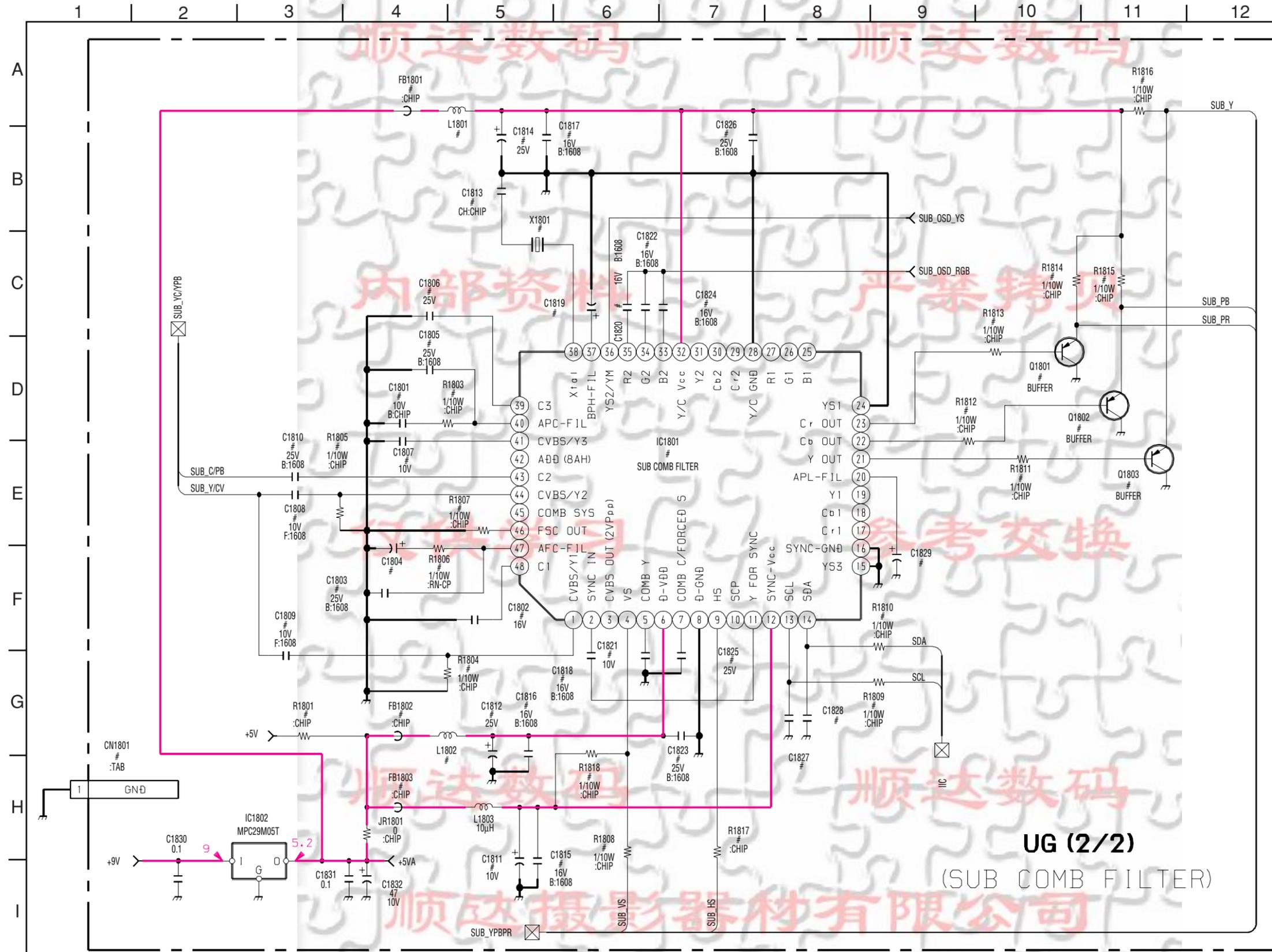
(16) Schematic Diagram of T Board



(17) Schematic Diagram of UG (1/2) Board



(18) Schematic Diagram of UG (2/2) Board



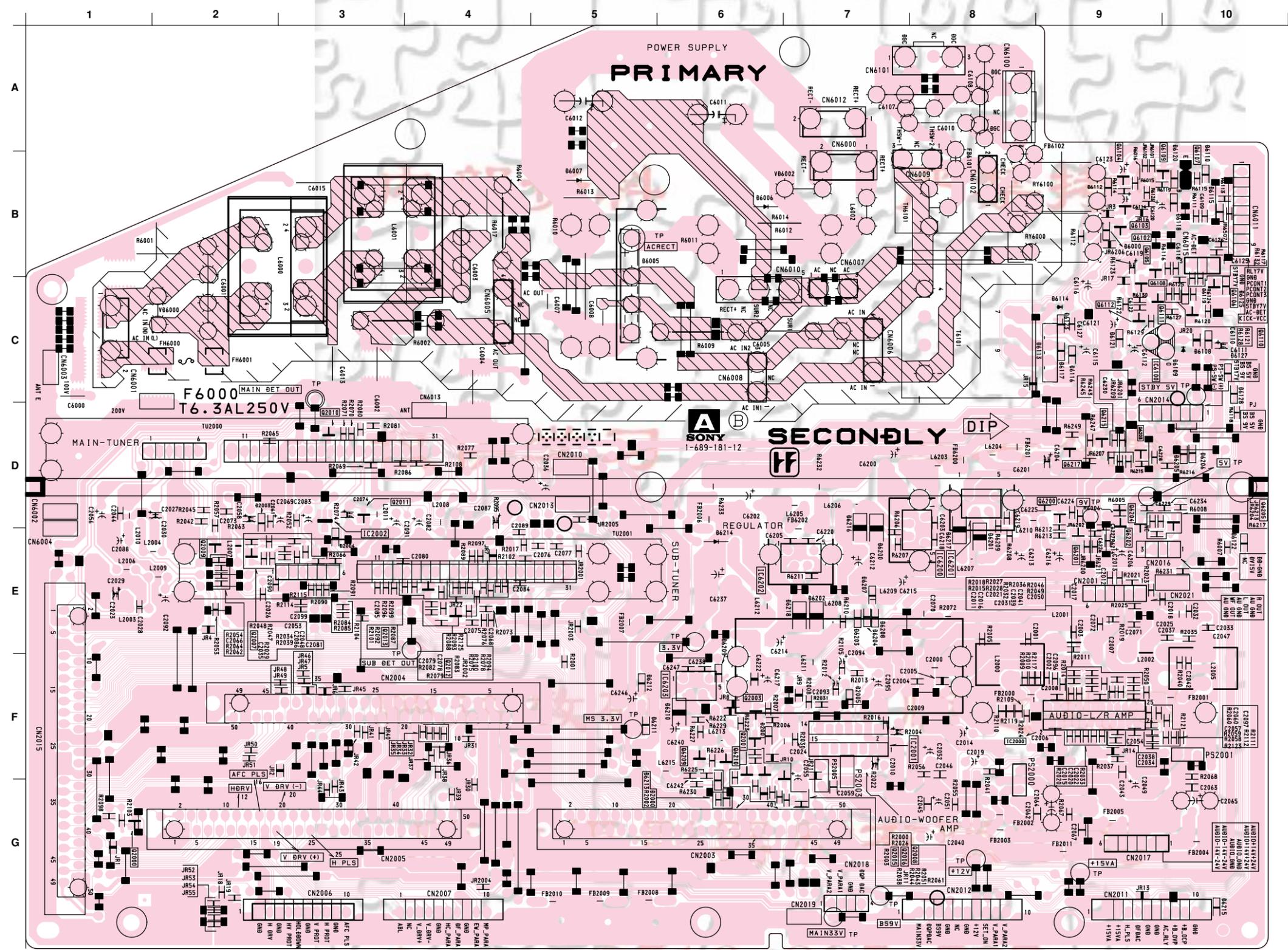
UG (2/2)
(SUB COMB FILTER)

电话: 0516-2951707

6-4. PRINTED WIRING BOARDS

A [POWER SUPPLY, TUNER, AUDIO OUTPUT, RELAY BOARD]

— A BOARD —



• A BOARD SEMICONDUCTOR LOCATION

| IC | | DIODE | |
|------------|------|-------|------|
| IC2000 | F-9 | | * |
| IC2001 | F-7 | D2001 | F-6 |
| IC2002 | D-3 | D2004 | E-3 |
| IC6100 | C-9 | D2005 | F-7 |
| IC6200 | D-8 | D6000 | B-9 |
| IC6201 | D-8 | D6005 | B-5 |
| IC6202 | E-7 | D6108 | C-10 |
| IC6203 | F-6 | D6109 | C-10 |
| TRANSISTOR | | D6110 | B-10 |
| * | | D6112 | B-9 |
| Q2000 | G-1 | D6113 | C-9 |
| Q2001 | F-6 | D6114 | C-9 |
| Q2005 | F-6 | D6115 | B-10 |
| Q2006 | F-6 | D6116 | C-9 |
| Q2007 | F-2 | D6117 | C-9 |
| Q2008 | F-6 | D6118 | B-10 |
| Q2010 | D-3 | D6119 | C-10 |
| Q2012 | F-4 | D6120 | B-10 |
| Q2013 | F-4 | D6121 | C-9 |
| Q6102 | B-9 | D6122 | E-10 |
| Q6103 | B-9 | D6123 | C-9 |
| Q6104 | B-9 | D6200 | D-7 |
| Q6105 | B-9 | D6201 | E-8 |
| Q6107 | B-10 | D6202 | E-7 |
| Q6108 | B-9 | D6203 | E-7 |
| Q6109 | B-10 | D6204 | E-7 |
| Q6110 | C-10 | D6205 | D-10 |
| Q6111 | C-9 | D6206 | D-10 |
| Q6112 | C-9 | D6207 | E-7 |
| Q6209 | F-6 | D6208 | E-7 |
| Q6210 | F-6 | D6209 | F-6 |
| | | D6210 | F-6 |
| | | D6211 | F-5 |
| | | D6212 | F-5 |
| | | D6214 | E-6 |
| | | D6215 | G-10 |

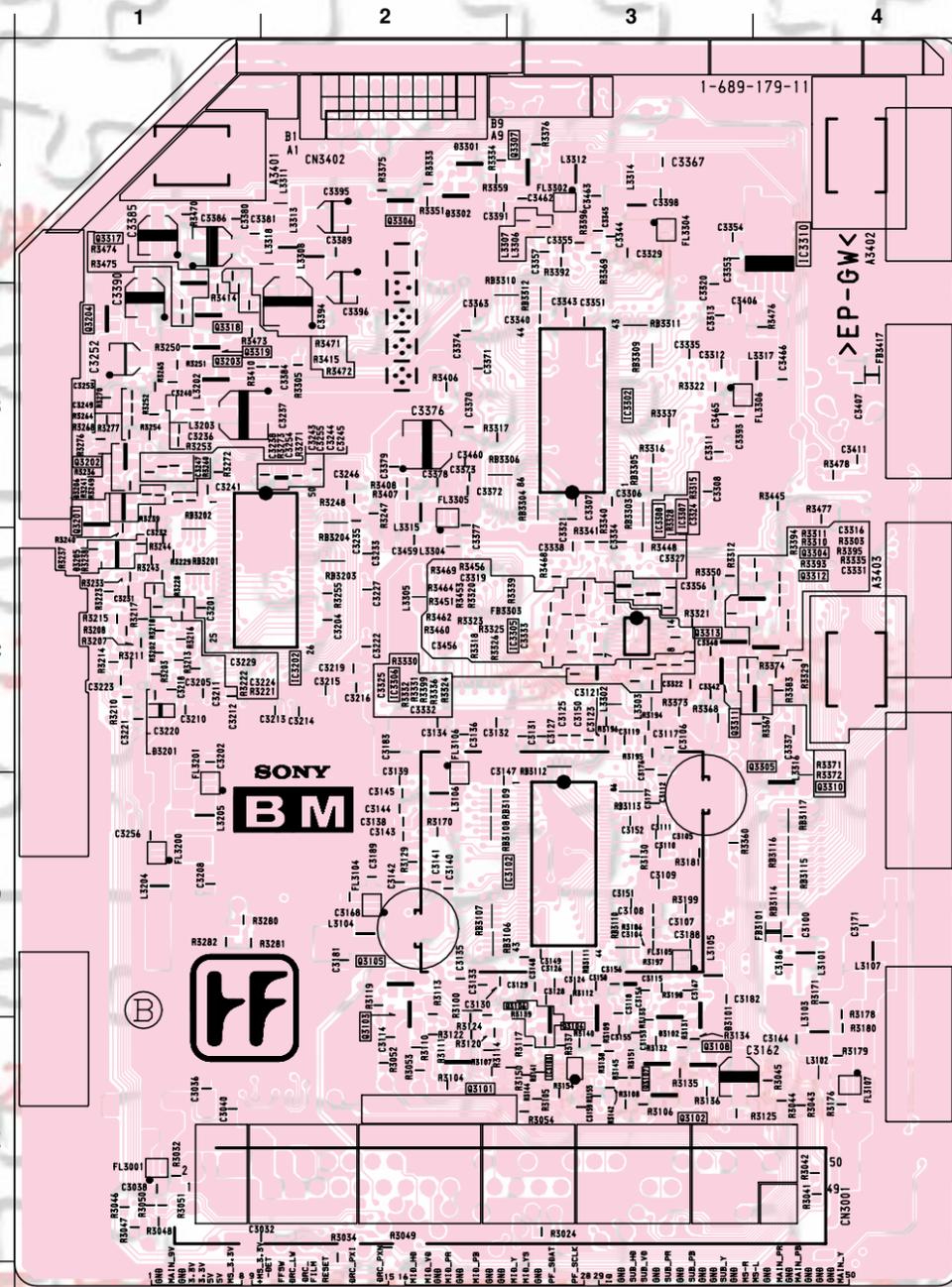
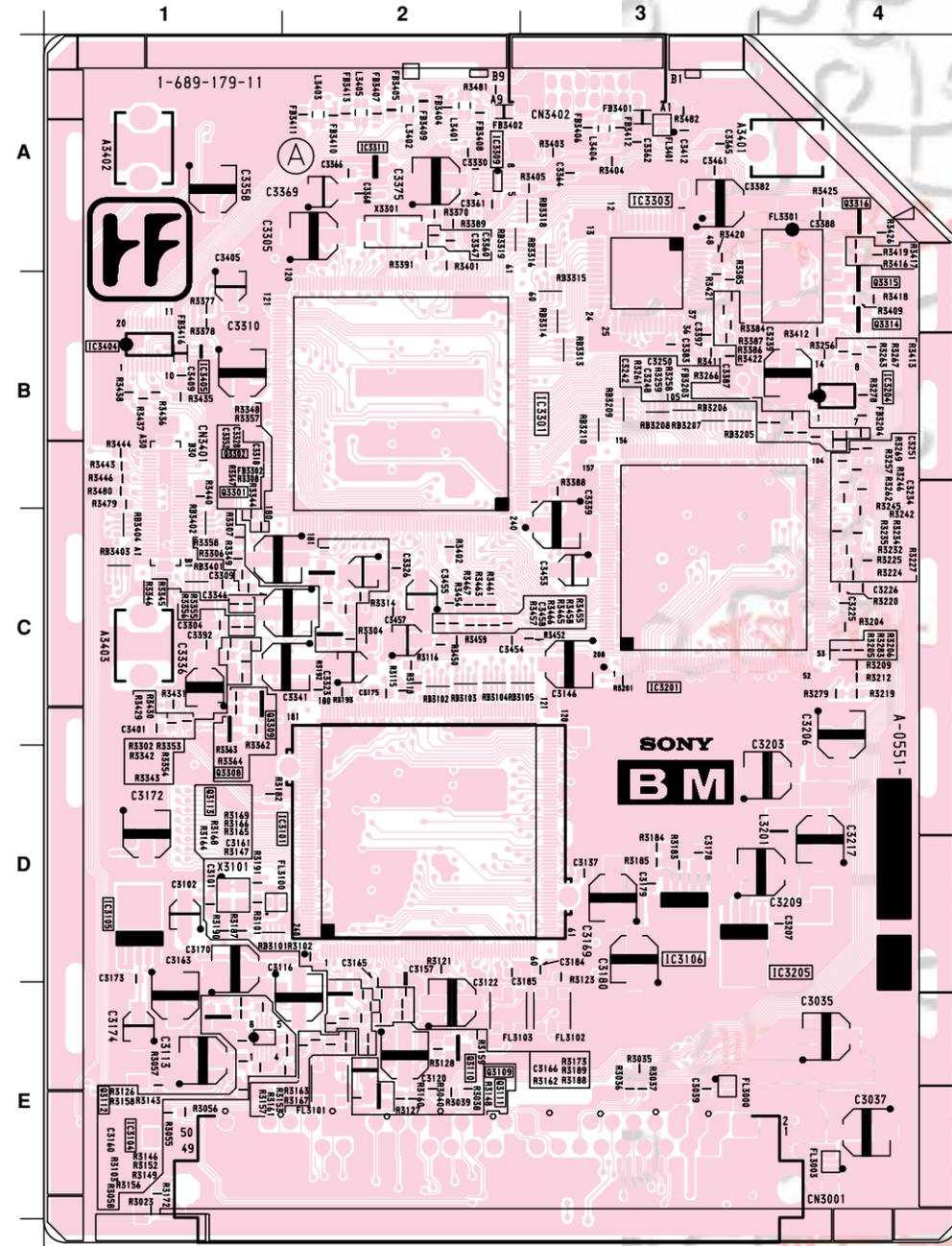
电话: 0516-2951704

BM (LVDS, DRC-MF, A/D CONVERTER, MID)

顺达数码 顺达数码

— BM BOARD (A Side) —

— BM BOARD (B Side) —



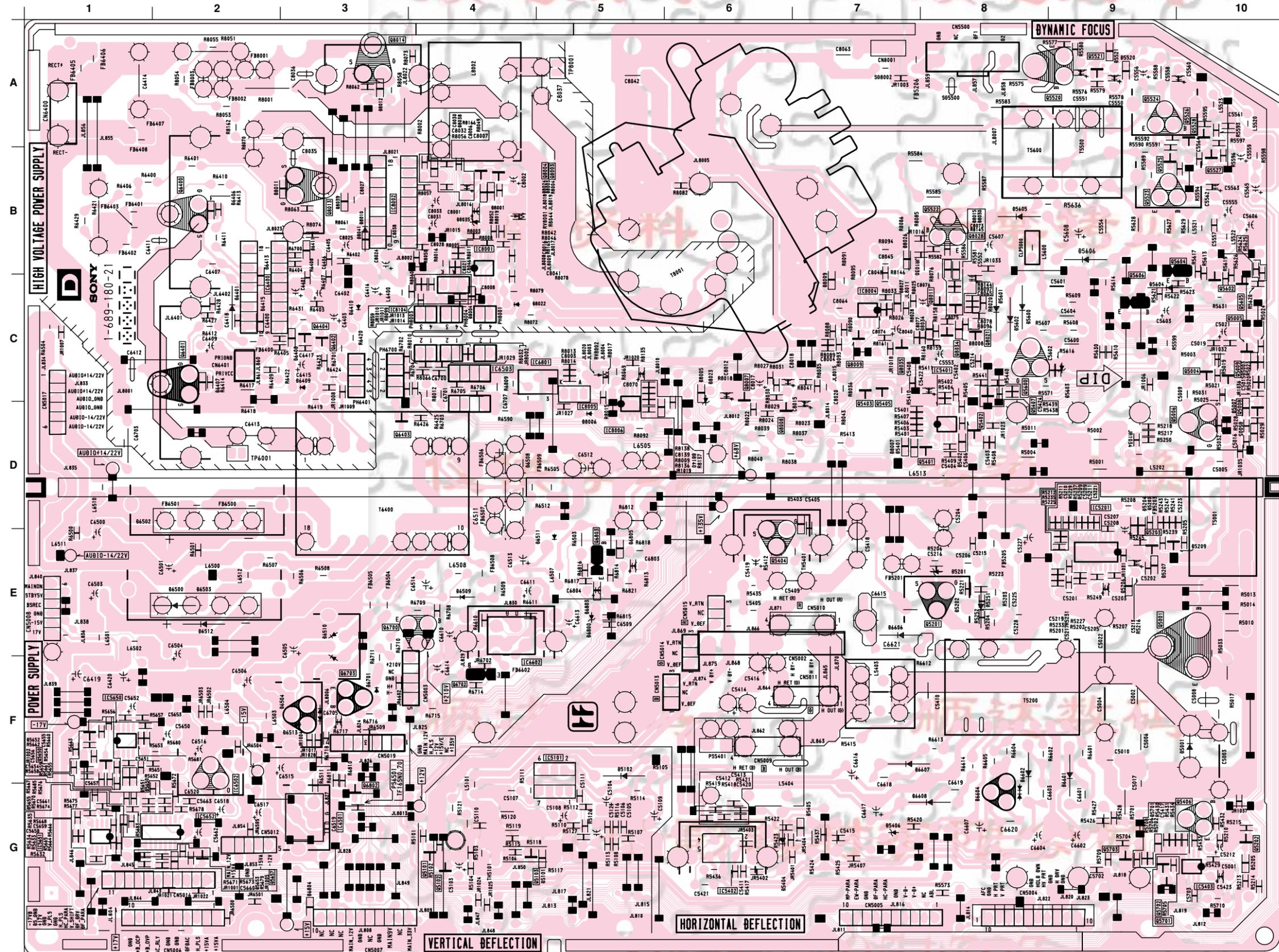
• BM BOARD SEMICONDUCTOR LOCATION

| IC | CONDUCTOR SIDE | CONDUCTOR SIDE * | IC | | |
|------------|----------------|------------------|----------------|------------------|---|
| | | | CONDUCTOR SIDE | CONDUCTOR SIDE * | |
| IC3101 | D-2 | ② | Q3110 | E-2 | ② |
| IC3102 | D-3 | ② | Q3111 | E-2 | ② |
| IC3103 | E-3 | ② | Q3112 | E-1 | ② |
| IC3104 | E-1 | ② | Q3113 | E-2 | ② |
| IC3105 | D-1 | ② | Q3201 | B-1 | ② |
| IC3106 | D-3 | ② | Q3202 | B-1 | ② |
| IC3201 | C-3 | ② | Q3203 | B-1 | ② |
| IC3202 | C-2 | ② | Q3204 | B-1 | ② |
| IC3204 | B-4 | ② | Q3301 | C-2 | ② |
| IC3205 | D-3 | ② | Q3302 | C-2 | ② |
| IC3301 | B-2 | ② | Q3304 | C-4 | ② |
| IC3302 | B-3 | ② | Q3305 | D-4 | ② |
| IC3303 | A-3 | ② | Q3306 | A-2 | ② |
| IC3305 | C-3 | ② | Q3307 | A-3 | ② |
| IC3306 | C-3 | ② | Q3308 | C-1 | ② |
| IC3307 | C-3 | ② | Q3309 | C-1 | ② |
| IC3308 | C-3 | ② | Q3310 | C-4 | ② |
| IC3309 | A-2 | ② | Q3311 | C-3 | ② |
| IC3310 | A-4 | ② | Q3312 | C-4 | ② |
| IC3311 | A-2 | ② | Q3313 | C-3 | ② |
| IC3404 | B-1 | ② | Q3314 | B-4 | ② |
| IC3405 | B-1 | ② | Q3315 | B-4 | ② |
| | | | Q3316 | A-4 | ② |
| | | | Q3317 | A-1 | ② |
| | | | Q3318 | B-1 | ② |
| | | | Q3319 | B-1 | ② |
| TRANSISTOR | | | DIODE | | |
| IC | CONDUCTOR SIDE | CONDUCTOR SIDE * | CONDUCTOR SIDE | CONDUCTOR SIDE * | |
| Q3101 | E-2 | ② | D3101 | D-3 | ⑤ |
| Q3102 | E-3 | ② | D3102 | D-3 | ⑤ |
| Q3103 | D-2 | ② | D3205 | C-1 | ⑤ |
| Q3104 | E-3 | ② | D3206 | B-1 | ⑤ |
| Q3105 | D-2 | ② | D3301 | A-2 | ⑤ |
| Q3106 | D-3 | ② | D3302 | A-2 | ⑤ |
| Q3107 | E-3 | ② | | | |
| Q3108 | E-3 | ② | | | |
| Q3109 | E-2 | ② | | | |

电话: 0516-2951707

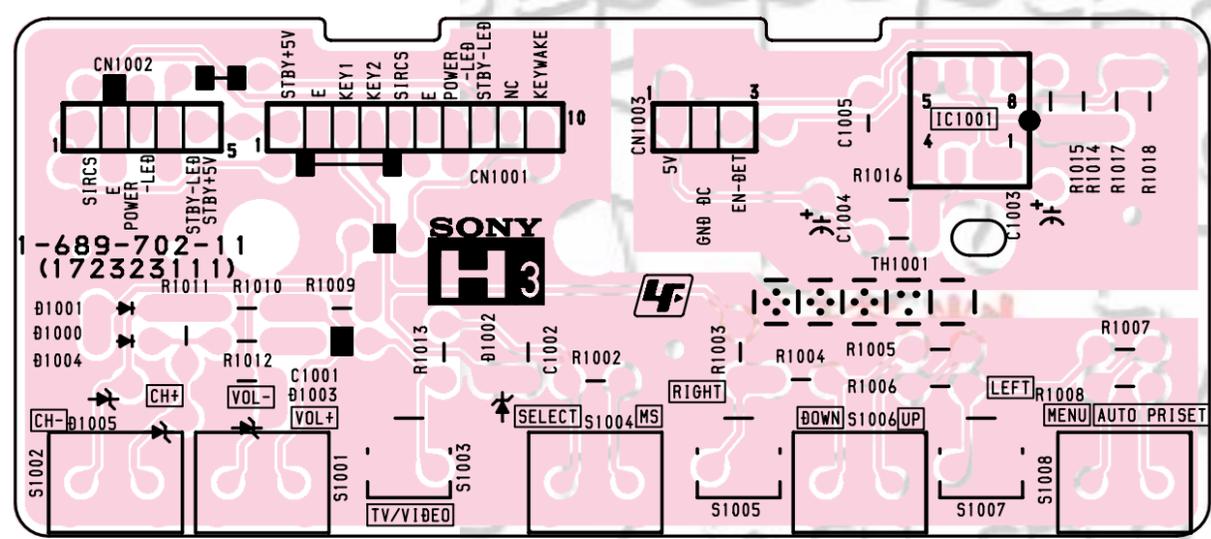
D [H OUT/V OUT, HV REG, POWER SUPPLY]

- D BOARD -



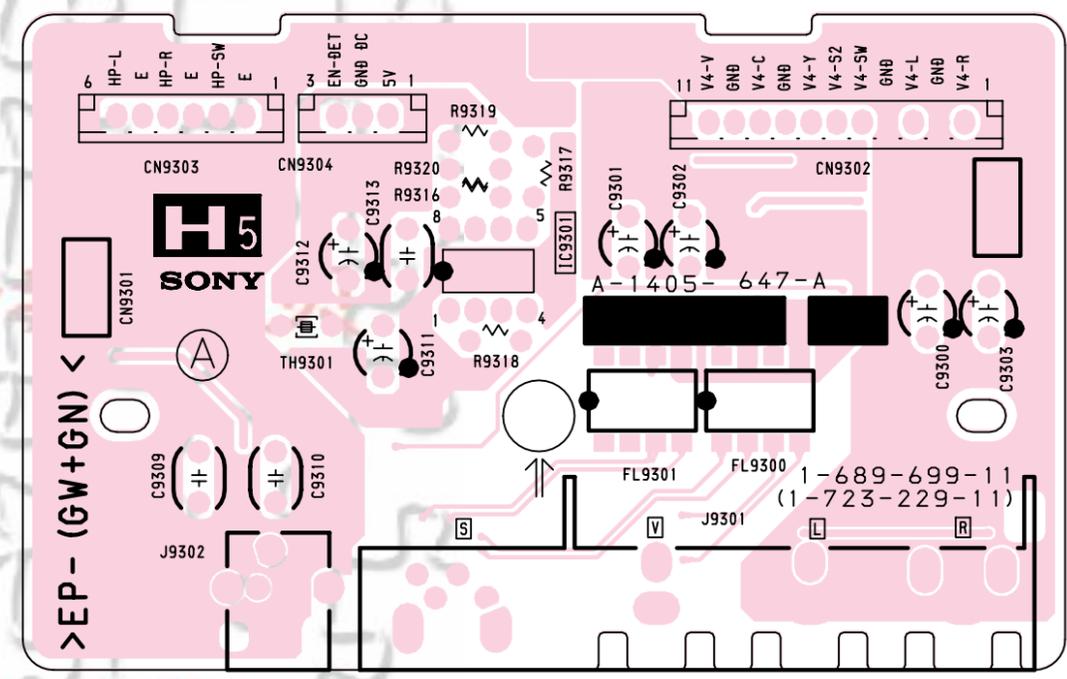
H3 [CONTROL SWITCHES]

— H3 BOARD —



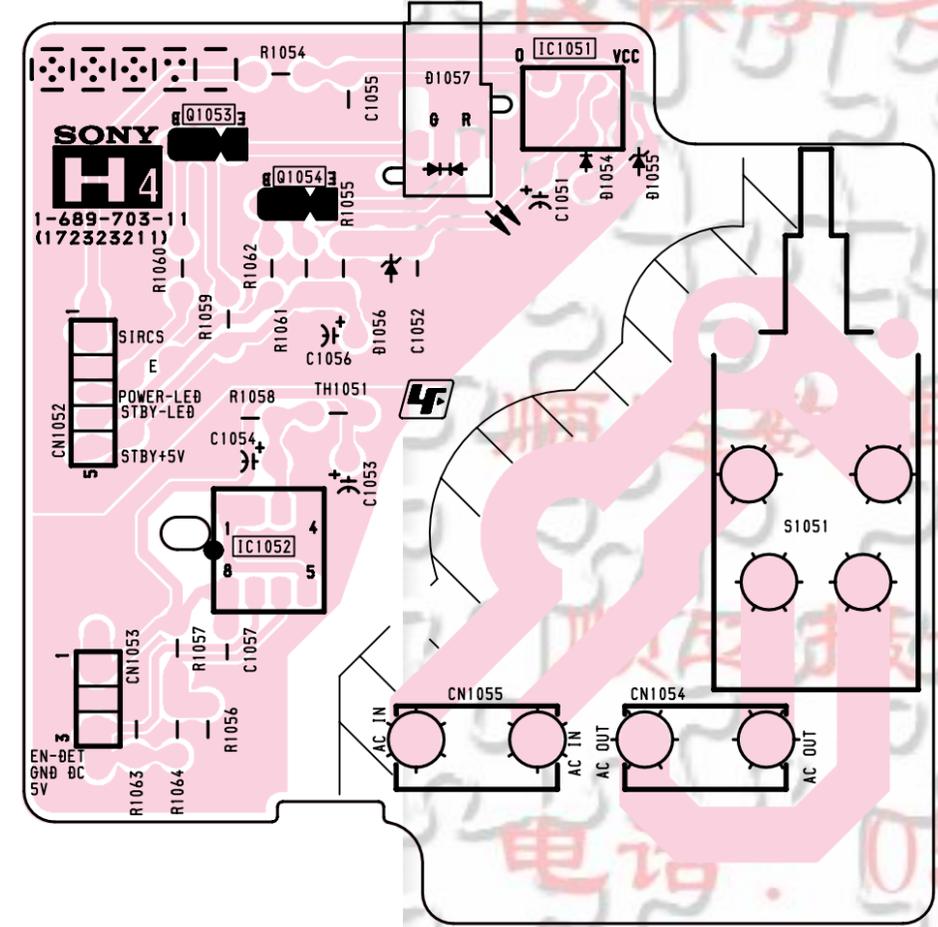
H5 [VIDEO 4 IN, PHONES]

— H5 BOARD (A Side) —

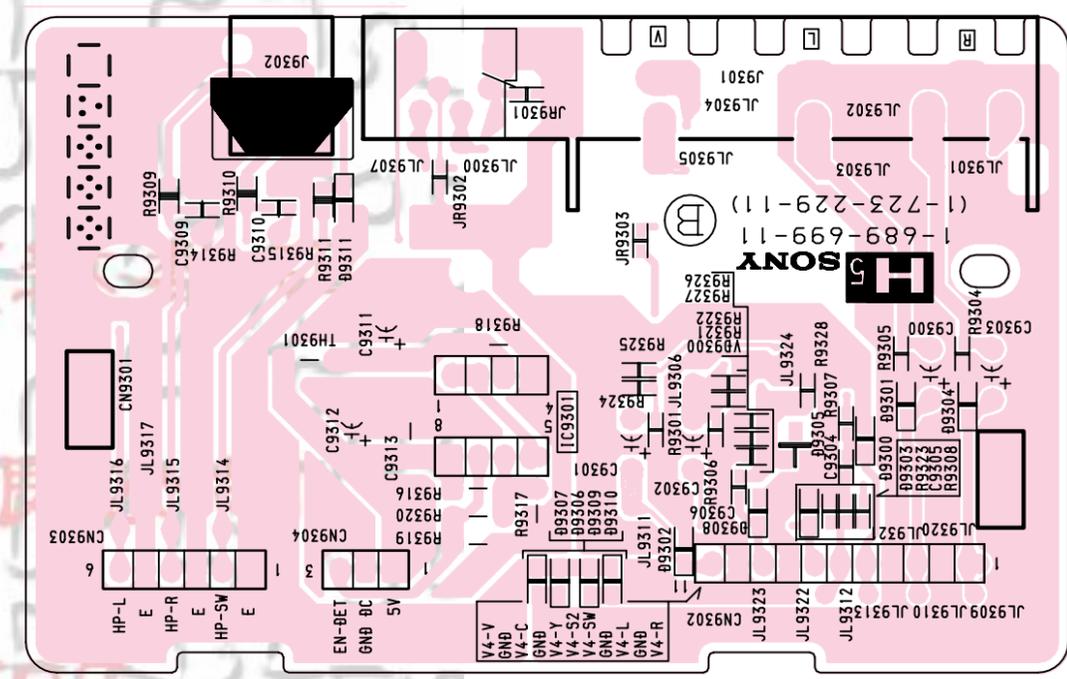


H4 [POWER SWITCH, REMOTE CONTROL SENSOR, INDICATORS]

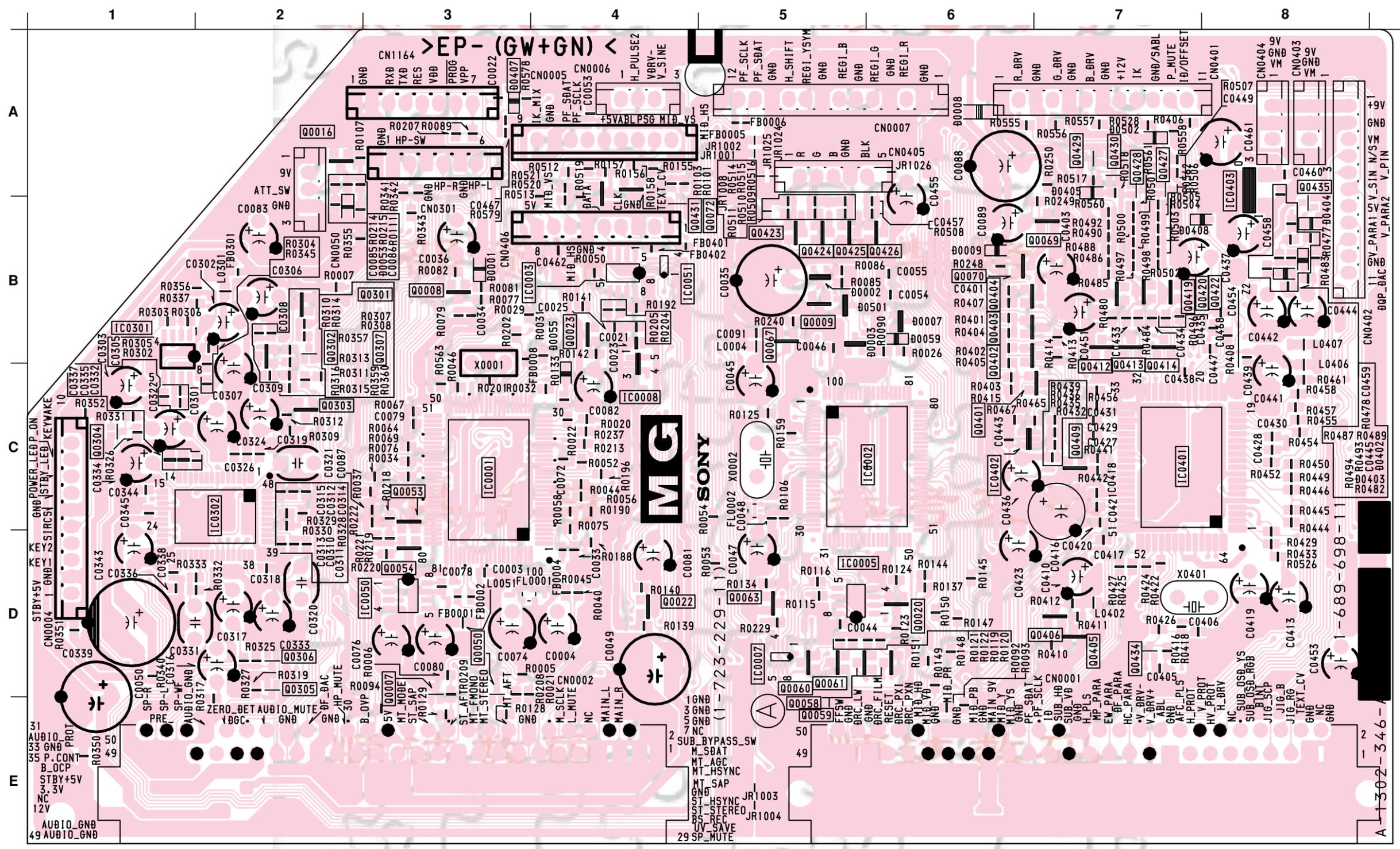
— H4 BOARD —



— H5 BOARD (B Side) —



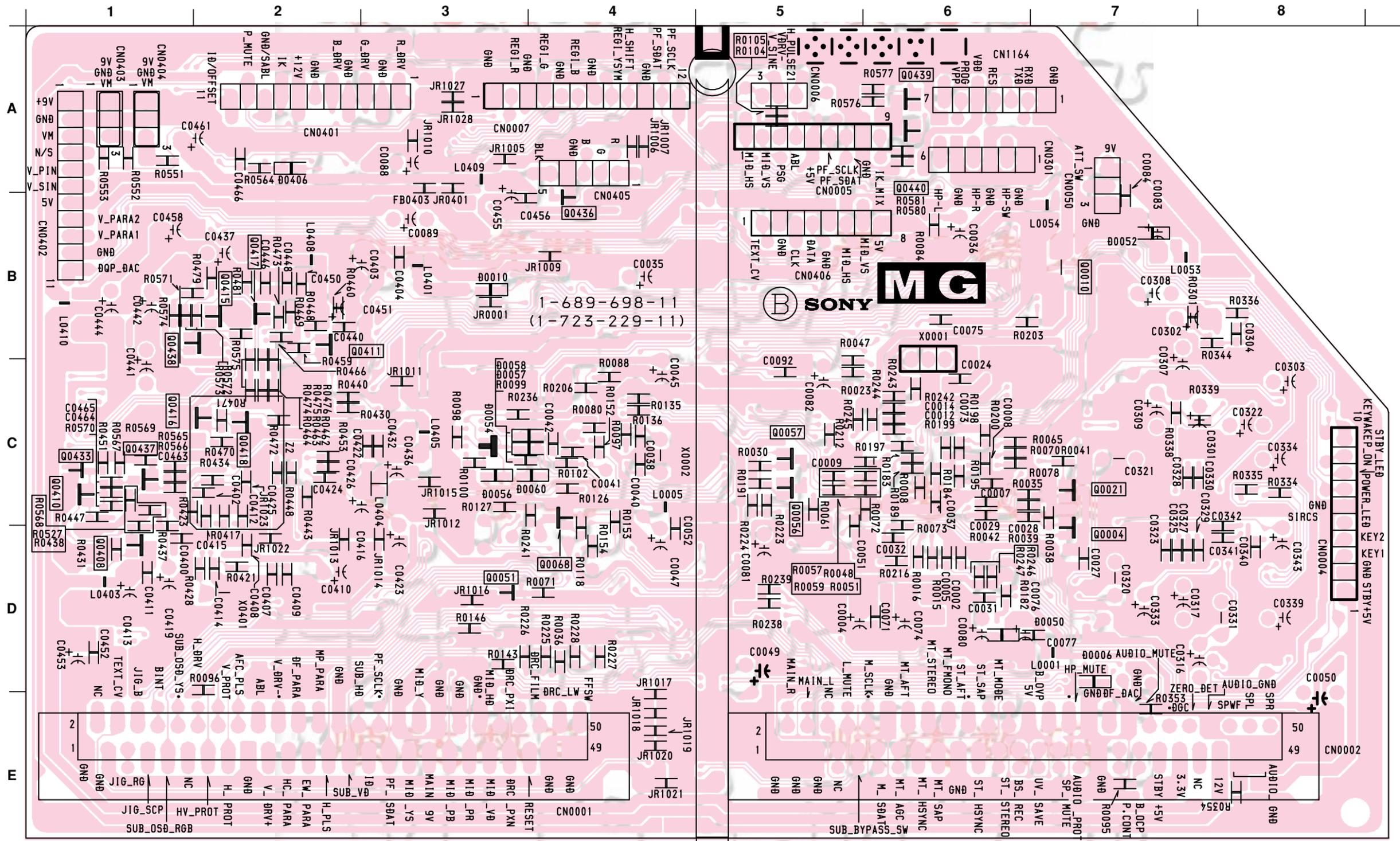
— MG BOARD (A Side) —



• MG BOARD SEMICONDUCTOR LOCATION

| IC | IC0008 C-4 | IC0005 D-3 | IC0051 B-4 | IC0301 B-1 | IC0302 C-2 | IC0401 C-7 | IC0403 A-8 | IC0007 D-5 |
|----------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| COMPONENT CONDUCTOR SIDE * | COMPONENT CONDUCTOR SIDE |
| IC0001 C-3 | IC0008 C-4 | IC0005 D-3 | IC0051 B-4 | IC0301 B-1 | IC0302 C-2 | IC0401 C-7 | IC0403 A-8 | IC0007 D-5 |
| IC0002 C-5 | Q0016 A-2 | Q0020 D-6 | Q0021 C-7 | Q0004 C-7 | Q0007 D-3 | Q0008 B-3 | Q0009 B-5 | Q0010 B-7 |
| IC0003 B-4 | Q0022 D-4 | Q0023 B-4 | Q0050 D-3 | Q0004 C-7 | Q0007 D-3 | Q0008 B-3 | Q0009 B-5 | Q0010 B-7 |
| IC0005 D-5 | Q0054 D-3 | Q0056 C-5 | Q0057 C-5 | Q0004 C-7 | Q0007 D-3 | Q0008 B-3 | Q0009 B-5 | Q0010 B-7 |
| IC0007 D-5 | Q0067 B-5 | Q0068 C-4 | Q0069 B-7 | Q0004 C-7 | Q0007 D-3 | Q0008 B-3 | Q0009 B-5 | Q0010 B-7 |
| | Q0070 B-6 | Q0302 B-2 | Q0303 C-2 | Q0004 C-7 | Q0007 D-3 | Q0008 B-3 | Q0009 B-5 | Q0010 B-7 |
| | Q0401 C-6 | Q0402 B-6 | Q0403 B-6 | Q0004 C-7 | Q0007 D-3 | Q0008 B-3 | Q0009 B-5 | Q0010 B-7 |
| | Q0405 D-7 | Q0406 D-7 | Q0408 D-1 | Q0004 C-7 | Q0007 D-3 | Q0008 B-3 | Q0009 B-5 | Q0010 B-7 |
| | Q0409 D-7 | Q0415 B-2 | Q0416 C-2 | Q0004 C-7 | Q0007 D-3 | Q0008 B-3 | Q0009 B-5 | Q0010 B-7 |
| | Q0417 B-2 | Q0418 C-2 | Q0419 B-7 | Q0004 C-7 | Q0007 D-3 | Q0008 B-3 | Q0009 B-5 | Q0010 B-7 |
| | Q0424 B-5 | Q0425 B-5 | Q0426 B-6 | Q0004 C-7 | Q0007 D-3 | Q0008 B-3 | Q0009 B-5 | Q0010 B-7 |
| | Q0427 A-7 | Q0428 A-7 | Q0429 A-7 | Q0004 C-7 | Q0007 D-3 | Q0008 B-3 | Q0009 B-5 | Q0010 B-7 |
| | Q0430 A-7 | Q0431 A-4 | Q0432 B-5 | Q0004 C-7 | Q0007 D-3 | Q0008 B-3 | Q0009 B-5 | Q0010 B-7 |

— MG BOARD (B Side) —



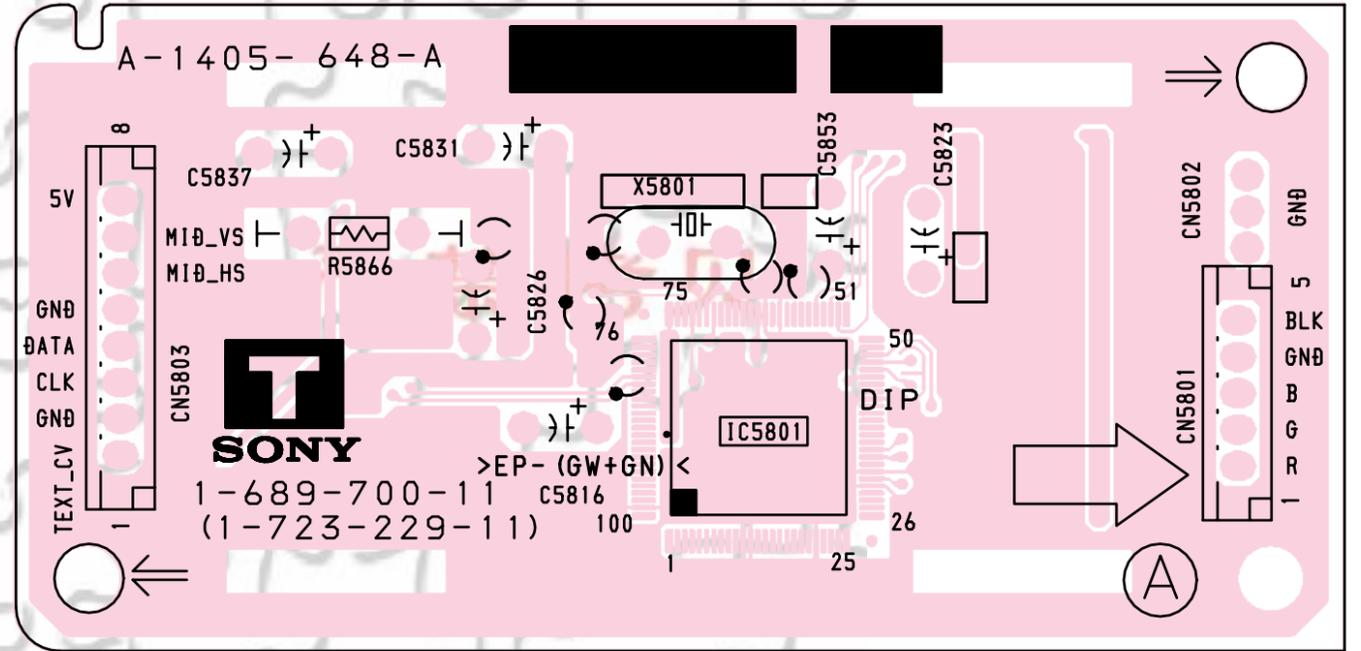
| DIODE | | COMPONENT CONDUCTOR SIDE * | |
|-----------|----------|----------------------------|----------|
| Component | Location | Component | Location |
| Q0434 | D-7 | D0008 | A-6 |
| Q0435 | B-8 | D0009 | B-6 |
| Q0436 | B-4 | D0010 | B-3 |
| Q0437 | C-1 | D0001 | B-3 |
| Q0438 | B-1 | D0002 | B-5 |
| Q0439 | A-6 | D0003 | B-5 |
| Q0440 | A-6 | D0007 | B-6 |
| D0008 | A-6 | D0056 | C-3 |
| D0009 | B-6 | D0057 | C-3 |
| D0010 | B-3 | D0058 | C-3 |
| D0001 | B-3 | D0059 | B-6 |
| D0002 | B-5 | D0403 | B-8 |
| D0003 | B-5 | D0404 | B-8 |
| D0007 | B-6 | D0405 | A-7 |
| D0406 | A-2 | D0407 | A-3 |
| D0407 | A-3 | D0501 | B-5 |
| D0501 | B-5 | D0502 | A-7 |

顺达数码

T (TELE TEXT)

顺达数码

— T BOARD (A Side) —

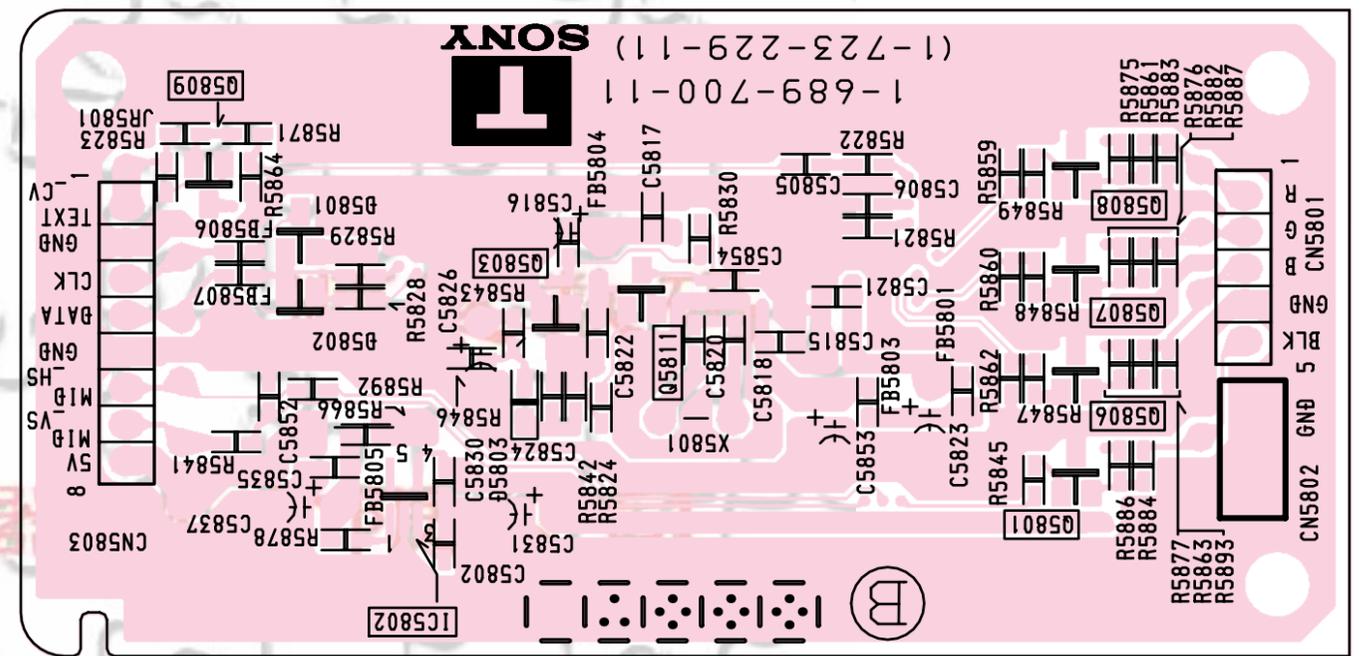


内部资料

仅供学习

参考交换

— T BOARD (B Side) —



顺达数码

顺达摄影器材

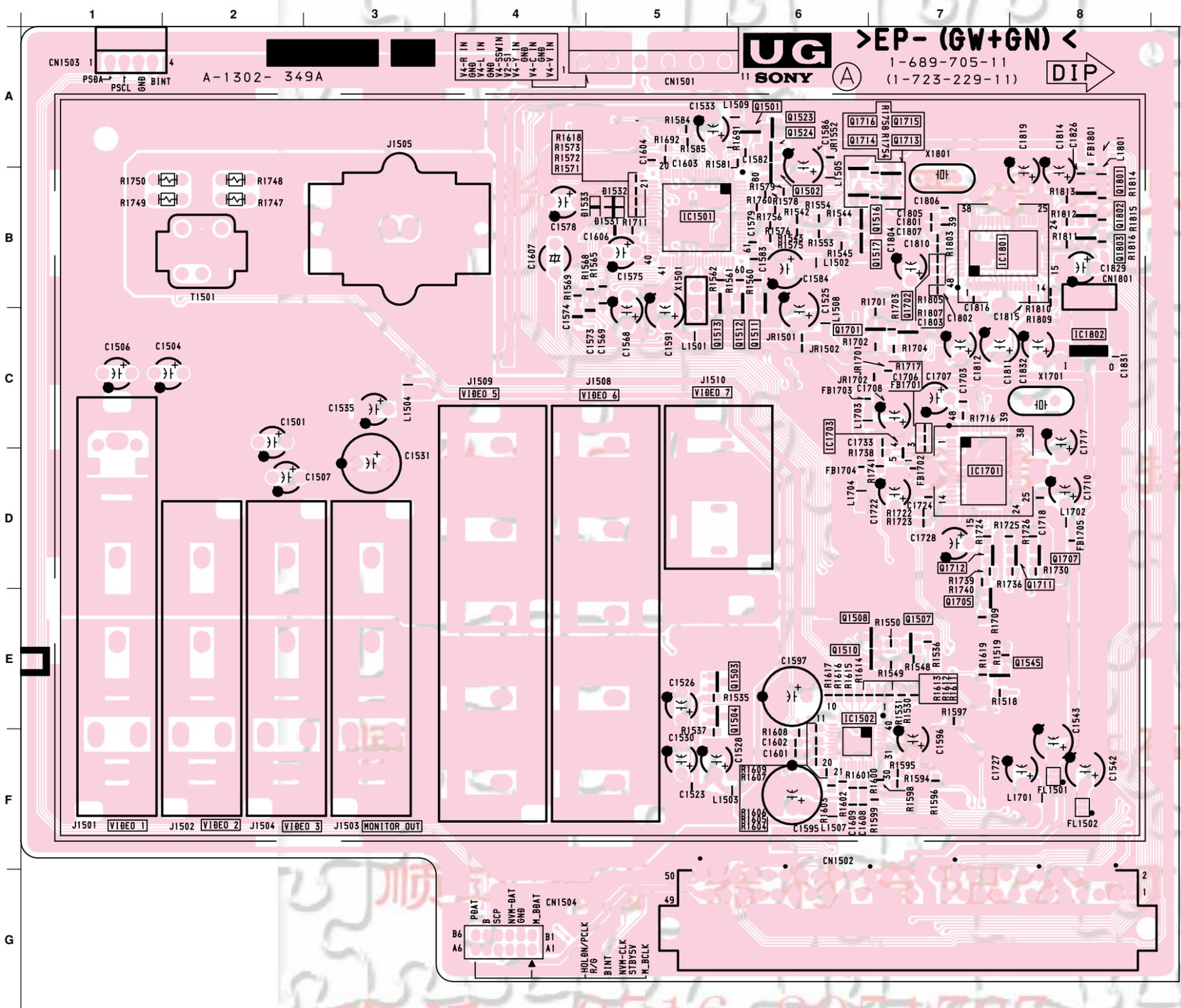
电话: 0516-2951707

UG

(REAR INPUT/OUTPUT, SUB COMB FILTER)

顺达数码 顺达数码

— UG BOARD (A Side) —



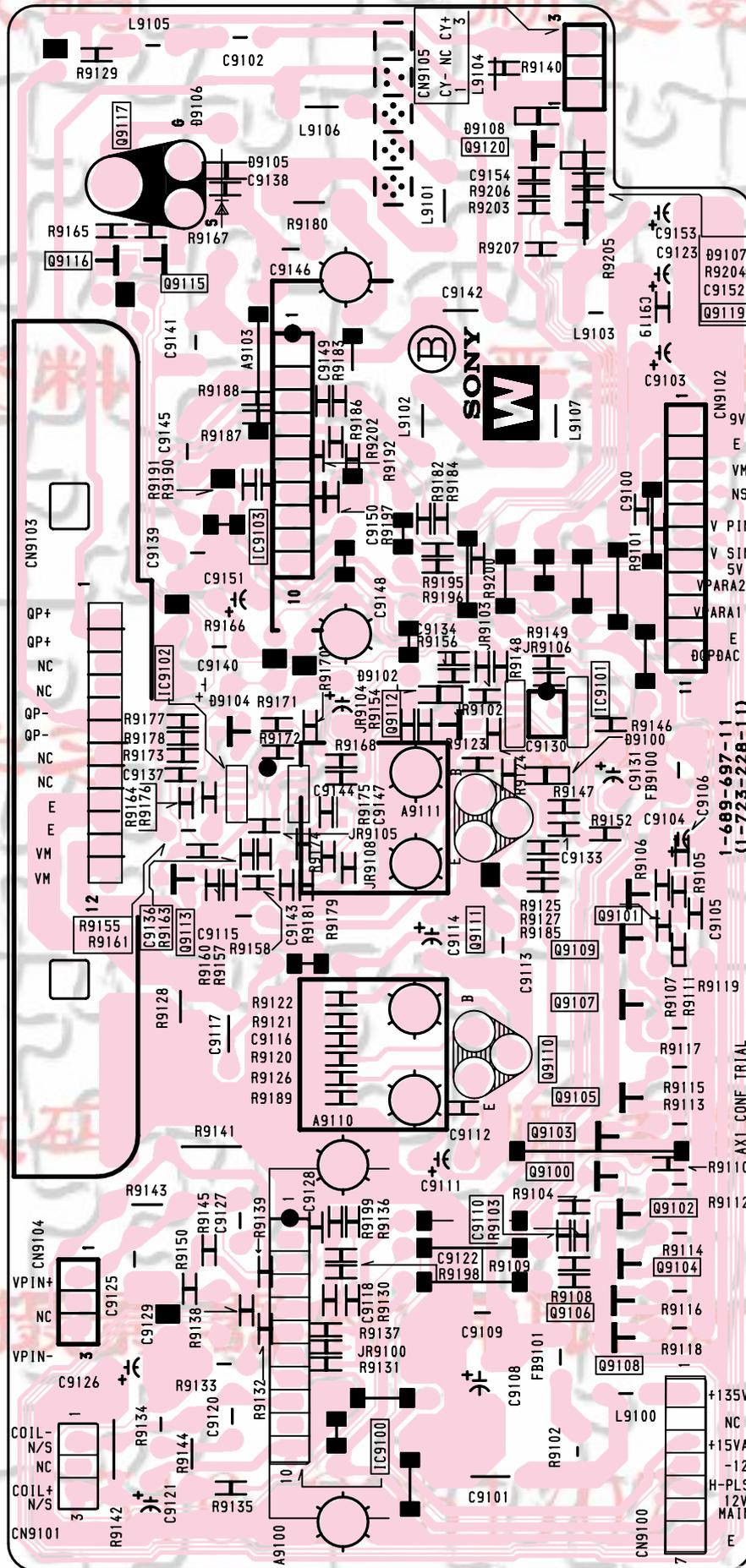
• UG BOARD SEMICONDUCTOR LOCATION

| IC | Q1801 | B-8 | ② |
|---------------------------------|---------------------------------|-----|---|
| COMPONENT CONDUCTOR SIDE * SIDE | Q1802 | B-8 | ② |
| | Q1803 | B-8 | ② |
| IC1501 B-5 | DIODE | | |
| IC1502 F-6 | | | |
| IC1701 D-7 | | | |
| IC1703 D-7 | | | |
| IC1801 B-7 | | | |
| IC1802 C-8 | COMPONENT CONDUCTOR SIDE * SIDE | | |
| TRANSISTOR | | | |
| COMPONENT CONDUCTOR SIDE * SIDE | D1501 | F-7 | ③ |
| | D1502 | E-7 | ③ |
| | D1503 | C-7 | ③ |
| | D1507 | F-8 | ③ |
| | D1508 | E-8 | ③ |
| | D1509 | C-8 | ③ |
| Q1501 A-6 | D1510 | C-8 | ③ |
| Q1502 B-6 | D1511 | C-8 | ③ |
| Q1503 E-5 | D1512 | F-7 | ③ |
| Q1504 E-5 | D1513 | E-7 | ③ |
| Q1505 C-6 | D1514 | D-7 | ③ |
| Q1506 C-6 | D1515 | E-4 | ③ |
| Q1507 E-7 | D1516 | F-4 | ③ |
| Q1508 E-7 | D1517 | C-6 | ③ |
| Q1510 E-7 | D1521 | E-5 | ③ |
| Q1511 C-6 | D1522 | F-5 | ③ |
| Q1512 C-6 | D1525 | A-4 | ③ |
| Q1513 C-5 | D1526 | A-4 | ③ |
| Q1514 B-3 | D1527 | A-4 | ③ |
| Q1515 B-3 | D1528 | B-5 | ③ |
| Q1516 B-6 | D1529 | B-5 | ③ |
| Q1517 B-6 | D1530 | B-4 | ③ |
| Q1523 A-6 | D1531 | B-5 | ③ |
| Q1524 A-6 | D1532 | B-5 | ③ |
| Q1545 E-7 | D1533 | B-5 | ③ |
| Q1701 C-7 | D1534 | E-4 | ③ |
| Q1702 C-7 | D1535 | F-4 | ③ |
| Q1705 E-7 | D1538 | D-4 | ③ |
| Q1707 D-8 | D1539 | D-4 | ③ |
| Q1711 D-8 | D1540 | E-3 | ③ |
| Q1712 D-7 | D1541 | F-3 | ③ |
| Q1713 B-7 | D1542 | E-3 | ③ |
| Q1714 B-6 | D1543 | F-3 | ③ |
| Q1715 B-7 | D1544 | D-4 | ③ |
| Q1716 B-6 | D1545 | D-8 | ③ |

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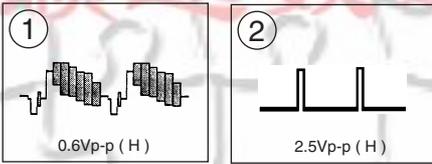
W [VM]

— W BOARD —

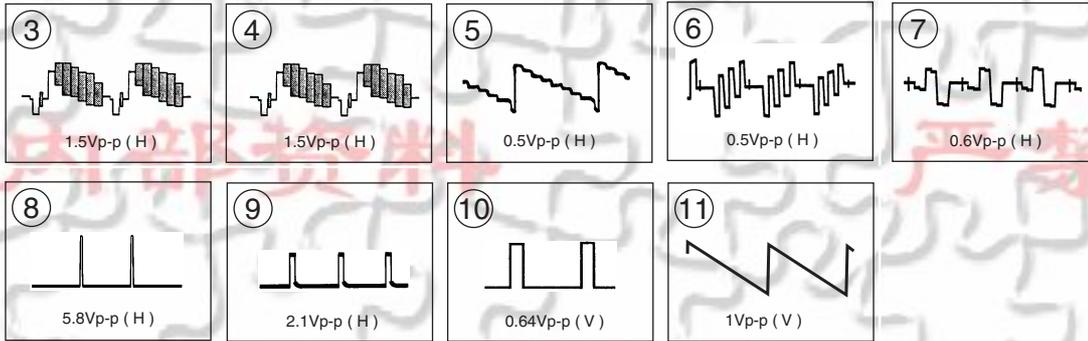


6-5. WAVEFORMS

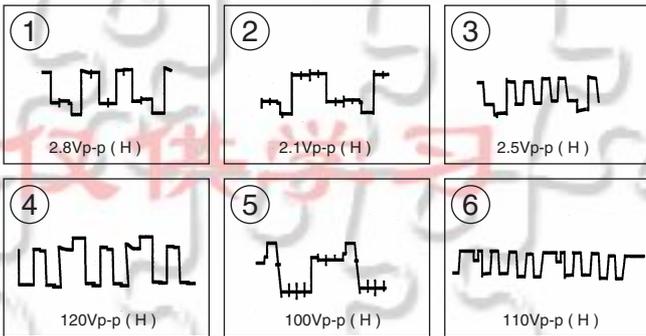
•A (2/3) BOARD WAVEFORMS



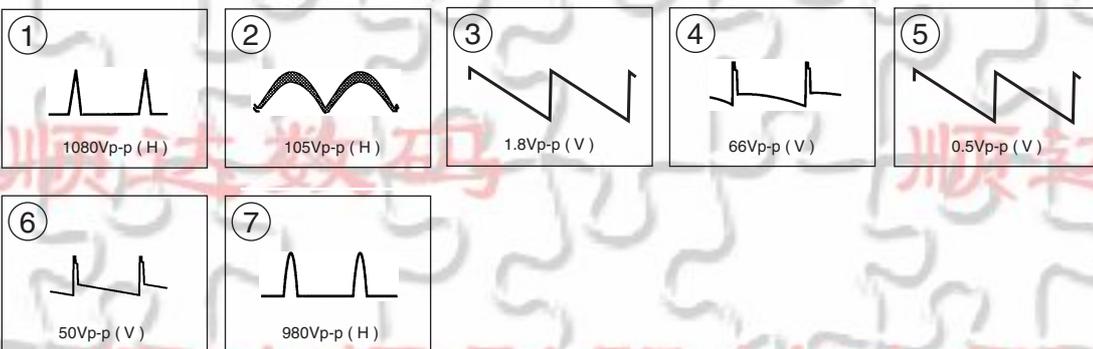
•A (3/3) BOARD WAVEFORMS



• C BOARD WAVEFORMS

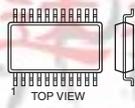


•D (1/3) BOARD WAVEFORMS



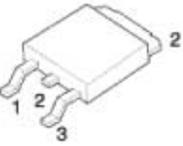
6-6. SEMICONDUCTORS

AK4352VT-E2



16pin

BA18BC0FP
UPC29M05T-E2

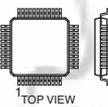


BA9759F-E2



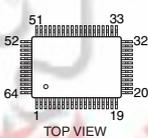
18pin

CXD2097BQ



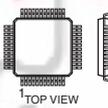
208pin

CXD2170Q



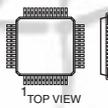
TOP VIEW

CXD2188Q-T4



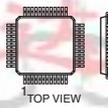
44pin

CXD2189Q-TL



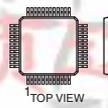
80pin

CXD2309AQ



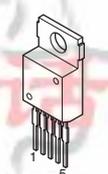
48pin

CXD3802BQ
CXD9509AQ



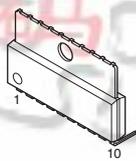
240pin

LA6500-FA



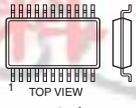
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LA6510



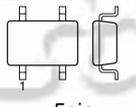
10

MM1096AFF
MN24C02-WMN6T(A)
NJM2903M
NJM2903M-TE2
NJM2904M
NJM2904M-TE2
NJM4558E(TE2)
NJM4558M-TE2
NJM4560M-TE2
TC7W04FU-TE12R
TC7W66FU(TE12R)
TC7WH74FK



8pin

NJM2870F25-TE2
NJM2870F33(TE2)



5pin

NJM2901M



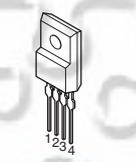
14pin

NJM2904D
TL082CPS-E20



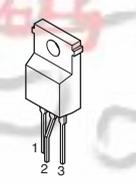
8pin

PQ070XZ01ZP
PQ12RF21
PQ6RD83B



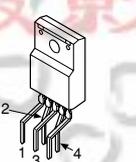
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SE-140N



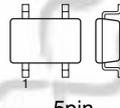
3

SI-8033S C348
SI-8050S-LF1101



5

SN74CBTLV1G125DCKR
TC7SET02FU(TE85R)
TC7SET08FU(TE85L)



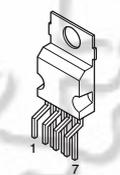
5pin

STK391-120



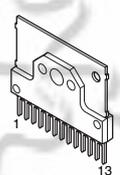
MARKING SIDE VIEW

STV9379A



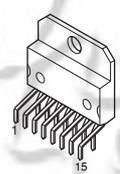
7

TDA6120Q/N2/S1



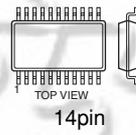
13

TDA7296



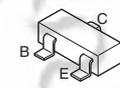
15

TLC2932IPWR
TLC2933IPWR-12



14pin

2SA1162-G
2SA1163-G
2SA1226
2SA1576A-T106-R
2SA1611-M5M6
2SB709A-QRS-TX
2SC2223-F13
2SC2713-G
2SC3624A-T1L15L
2SC4081T106R
2SD601A-Q
DTA144EE
DTC144EE
DTC144EUA-T146
MSB709-RT1
MSD601-RT1
UN2211-TX



3

2SA1208S-TP
2SC2362K-G



E C B

2SA1776TV2Q



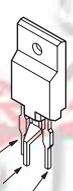
E C B

2SC2688-(5)LK



E C B

2SC4632LS-CB7
2SC4634LS-CB11



B C E

2SJ344(TE85L)



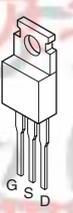
G S D

2SK2036(TE85L)



B C E

2SK2251-01-F19



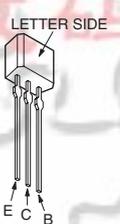
G S D

2SK2876-01MR-F122
2SK3262-01MR-F119



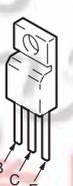
G D S

DTC144ESA



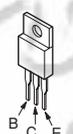
E C B

HN1B01FU-TE85R



B C E

IRF614-005



B C E

10ERA60-TP
10ERB20-TB5
GP08D
GP08DPKG23
HSS83TD
RD2.0SB-T1
RD3.9SB2
S2L60F



CATHODE

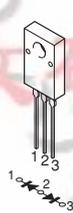
ANODE

1PS181-115
1PS184-115
1PS226-115



3

D10SC4MR



3

D1NL20U
D1NL20U-TR



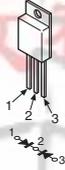
CATHODE

ANODE

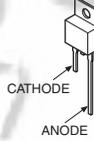
D1NL40-TA2
D4SBL20MF3
D4SBS6



F10P04Q

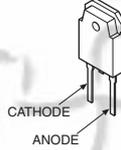


YG911S2R

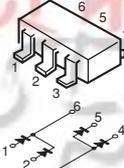
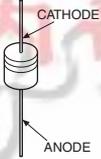


D1NS4
D2L20U
MTZJ-T-77-15B
RB441Q-40T77
RD10ESB2
RD15ES-B1
RD3.0ES-B2
RD3.3ES-B2
RD5.1ES-B1
RD5.1ESB2

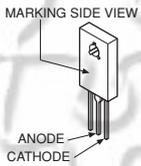
FMQ-G5FMS



HN1D03FU



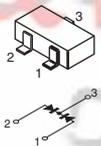
D5LC20U-4012



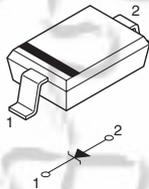
KBP153G-A2



DAN202K
DAN202K-T-146

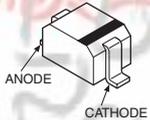
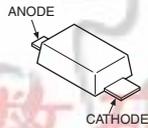


MM3Z15VT1
MM3Z27VT1
MM3Z3V0T1
MM3Z3V9ST1
MM3Z4V7ST1
MM3Z9V1ST1

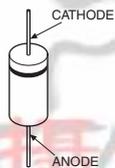


DTZ10B
MA111-TX
MMDL914T1
PDZ15B-115
PDZ4.7B-115
RD5.6SB3-T1
UDZS-TE17-18B
UDZS-TE17-3.6B
UDZS-TE17-6.2B
UDZ-TE-17-18B
UDZ-TE-17-6.8B
UDZ-TE-17-7.5B

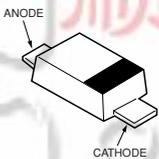
M1FS4-4063



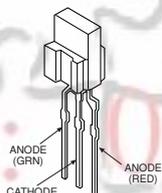
RD33EB3T



EC31QS03L-TE12L
KDS160-RTK



SPB-25MVWF



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SECTION 7

EXPLODED VIEWS

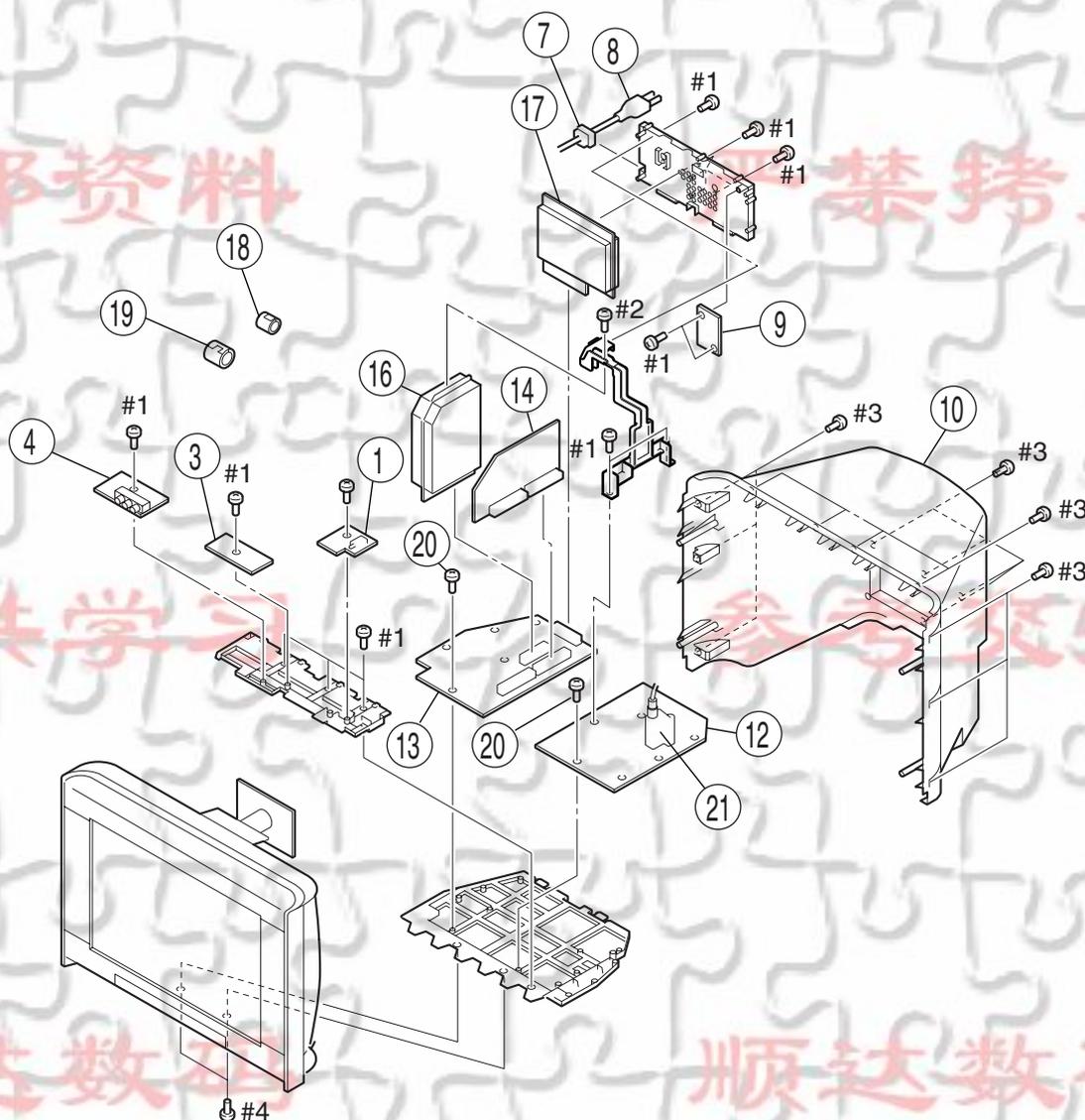
NOTE:

- Items with no part number and no description are not stocked because they are seldom required for routine service
- The construction parts of an assembled part are indicated with a collation number in the remark column.

- Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

The components identified by shading and mark Δ are critical for safety. Replace only with part number specified.

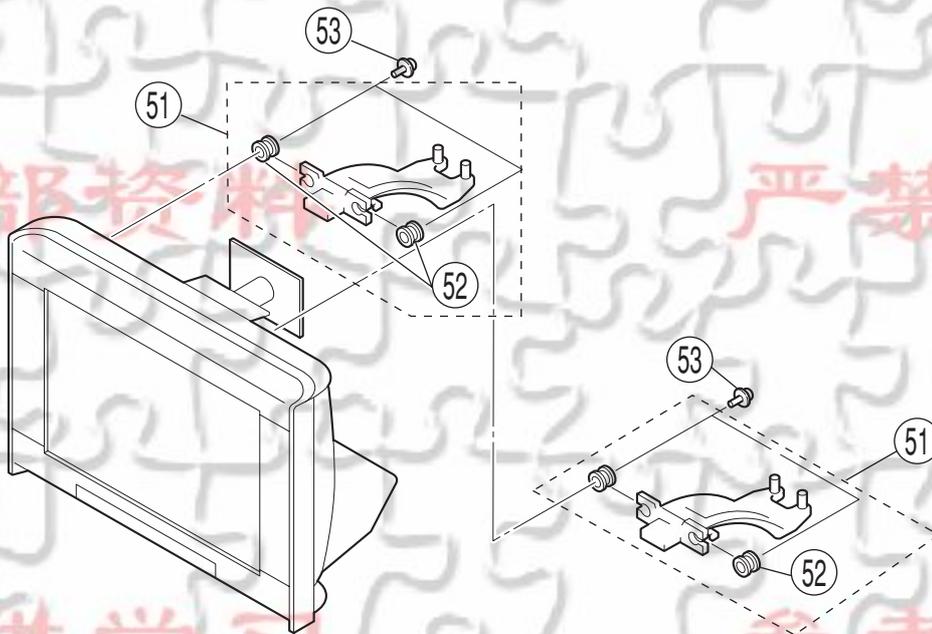
7-1. CHASSIS SECTION



| REF. NO. | PART NO. | DESCRIPTION | REMARK |
|----------|-----------------------|---------------------------|--------|
| 1 | * A-1405-651-A | H4 BOARD, COMPLETE | |
| 3 | * A-1405-650-A | H3 BOARD, COMPLETE | |
| 4 | * A-1405-647-B | H5 BOARD, COMPLETE | |
| 7 | 4-022-115-00 | HOLDER, AC CORD | |
| 8 | Δ 1-757-345-11 | CORD, POWER (WITH FILTER) | |
| 9 | * A-1405-648-B | T BOARD, COMPLETE | |
| 10 | * X-4041-966-1 | REAR COVER ASSY | |
| 12 | * A-1302-742-A | D BOARD, COMPLETE | |
| 13 | * A-1302-740-A | A BOARD, COMPLETE | |
| 14 | * A-1302-743-A | MG BOARD, COMPLETE | |

| REF. NO. | PART NO. | DESCRIPTION | REMARK |
|----------|-----------------------|------------------------------|--------|
| 16 | * A-1302-739-A | BM BOARD, COMPLETE | |
| 17 | * A-1302-741-A | UG BOARD, COMPLETE | |
| 18 | 1-543-993-11 | CORE, FERRITE | |
| 19 | 1-500-497-11 | FILTER, CLAMP (FERRITE CORE) | |
| 20 | 4-046-797-01 | SCREW (3X12), (+)BVTAP | |
| 21 | Δ 1-453-445-21 | FBT ASSY NX-6020/M3B4 | |
| #1 | 7-685-648-79 | SCREW +BVTP 3X12 TYPE2 IT-3 | |
| #2 | 7-682-948-01 | SCREW +PSW 3X8 | |
| #3 | 7-685-663-71 | SCREW +BVTP 4X16 TYPE2 IT-3 | |
| #4 | 7-685-659-71 | SCREW +BVTP 4X8 | |

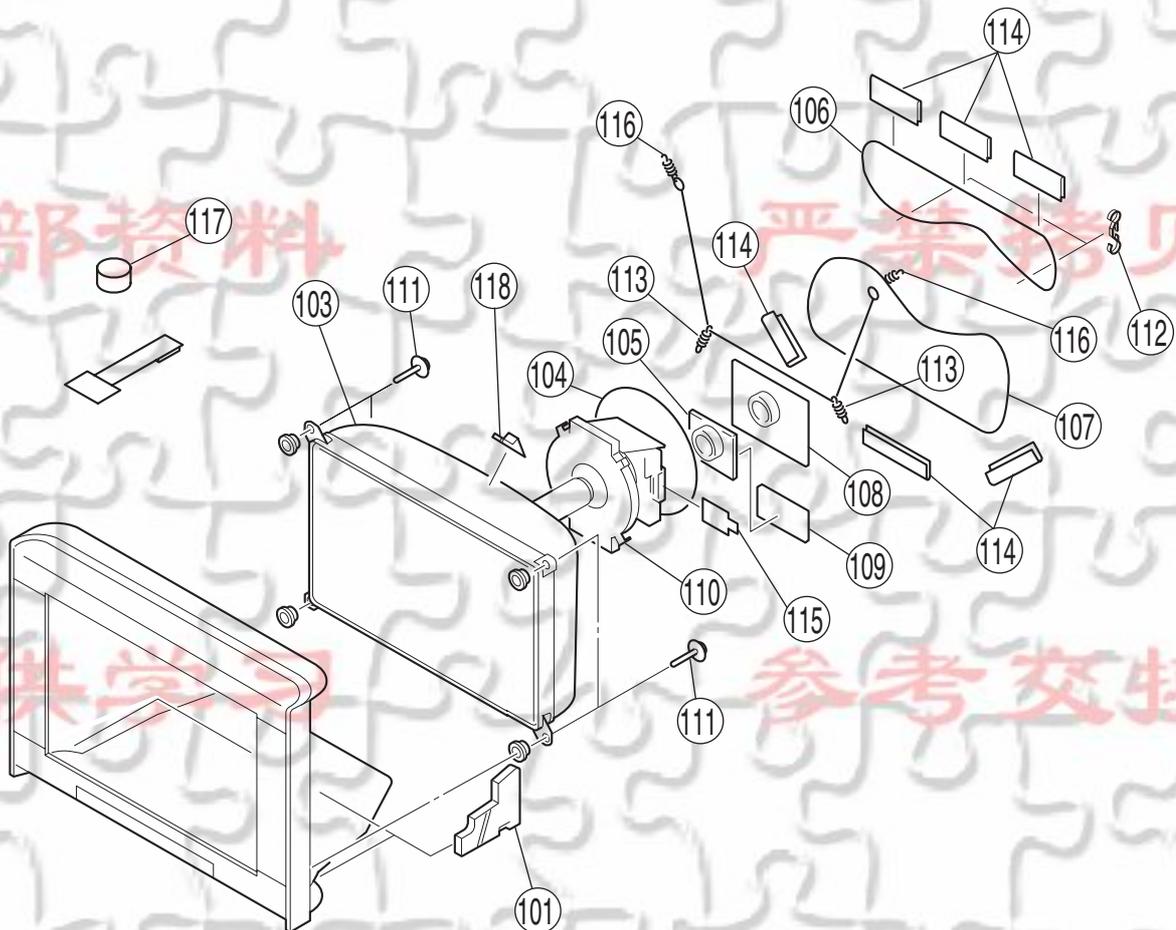
7-2. SUPER WOOFER BLOCK



| REF. NO. | PART NO. | DESCRIPTION | REMARK | REF. NO. | PART NO. | DESCRIPTION | REMARK |
|----------|----------------|---------------|--------|----------|--------------|-------------------------------|--------|
| 51 | * X-4041-897-2 | SP JOINT ASSY | | 53 | 4-058-870-01 | SCREW, (4X16) W (+) P TAPPING | |
| 52 | 4-374-745-11 | CUSHION (A) | | | | | |

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7-3. CRT SECTION

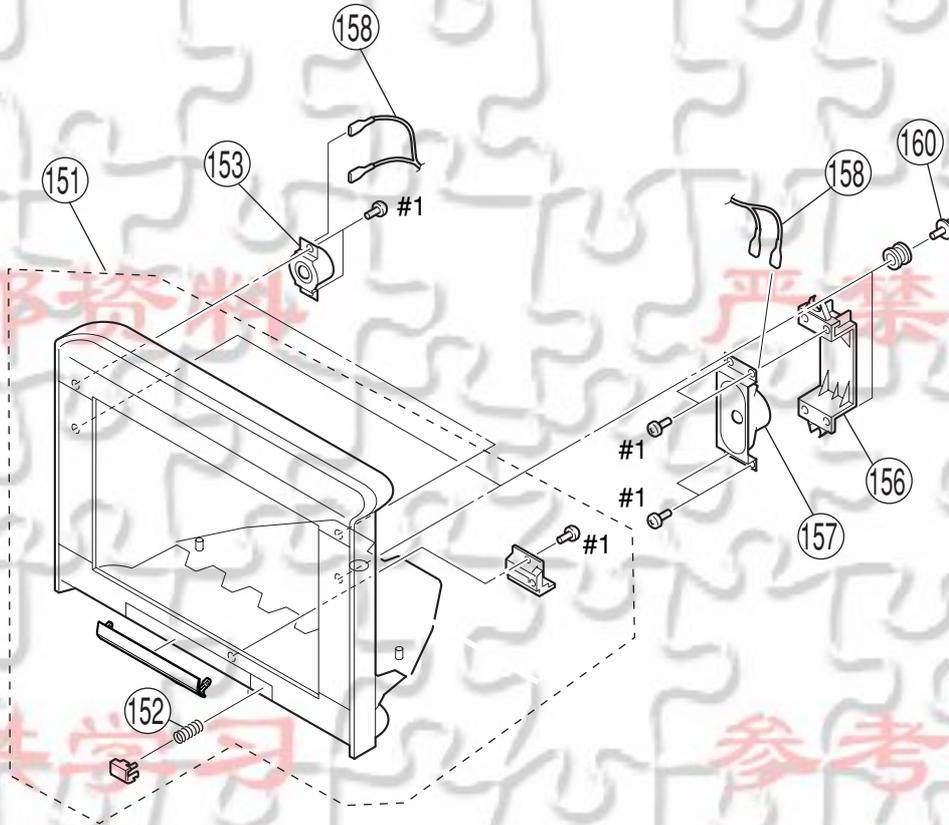


The components identified by shading and mark Δ are critical for safety. Replace only with part number specified.

| REF. NO. | PART NO. | DESCRIPTION | REMARK |
|----------|-----------------------|--------------------------|--------|
| 101 | X-4042-369-2 | SUPPORTER ASSY, CRT (32) | |
| 103 | Δ 8-735-110-05 | CRT 32RVEN | |
| 104 | Δ 1-451-498-21 | COIL, NA ROTATION | |
| 105 | Δ 8-453-022-21 | MA2920-M2 | |
| 106 | Δ 1-456-398-11 | COIL, DEGAUSS | |
| 107 | Δ 1-456-398-21 | COIL, DEGAUSS | |
| 108 | * A-1405-659-A | C BOARD, COMPLETE | |
| 109 | * A-1410-655-A | W BOARD, COMPLETE | |

| REF. NO. | PART NO. | DESCRIPTION | REMARK |
|----------|-----------------------|--------------------------------|--------|
| 110 | Δ 1-451-551-13 | DY Y32VEC-T | |
| 111 | 4-080-811-01 | SCREWTAPPIN7+CROWN WASHER(L40) | |
| 112 | 4-064-883-03 | HOLDER (S), DGC | |
| 113 | 4-065-852-21 | SPRING, TENSION | |
| 114 | 4-098-960-01 | DGC CUSHION (L) | |
| 115 | 2-163-920-01 | PLATE, TLH CORRECTION | |
| 116 | 4-369-318-61 | SPRING, TENSION | |
| 117 | 1-452-032-00 | MAGNET, DISC | |
| 118 | 4-086-199-02 | SPACER, DY | |

7-4. BEZEL SECTION



| REF. NO. | PART NO. | DESCRIPTION | REMARK |
|----------|--------------|------------------------|--------|
| 151 | X-4042-775-1 | CABINET ASSY | |
| 152 | 4-042-593-01 | SPRING, COMPRESSION | |
| 153 | 1-825-575-11 | LOUDSPEAKER (5CM) | |
| 156 * | 4-086-708-01 | BRACKET, SPEAKER | |
| 157 | 1-825-574-11 | LOUDSPEAKER (5.5X13CM) | |

| REF. NO. | PART NO. | DESCRIPTION | REMARK |
|----------|--------------|-------------------------------|--------|
| 158 | 1-900-275-97 | LEAD ASSY (B), SPEAKER | |
| 160 | 4-302-404-03 | SCREW (WASHER HEAD) (+P 4X16) | |
| #1 | 7-685-648-79 | SCREW +BVTP 3X12 TYPE2 IT-3 | |

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SECTION 8 ELECTRICAL PARTS LIST

The components identified by shading and mark Δ are critical for safety. Replace only with part number specified.

When indicating parts by reference number, please include the board name.

- The components identified by in \square this manual have been carefully factory-selected for each set in order to satisfy regulations regarding X-ray radiation. Should replacement be required, replace only with the value originally used.
- Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.
- CAPACITORS
PF : μF
- There are some cases the reference number on one board overlaps on the other board. Therefore, when ordering parts by the reference number, please include the board name.

RESISTORS

- All resistors are in ohms
- F : nonflammable

| REF. NO. | PART NO. | DESCRIPTION | REMARK | REF. NO. | PART NO. | DESCRIPTION | REMARK |
|---|----------------|--------------------------------|------------------------------|----------------|--------------|--------------|-------------------------------|
| * A-1302-740-A A BOARD, COMPLETE ***** | | | | | | | |
| | 4-382-854-01 | SCREW (M3X8), P, SW (+) | | C2053 | 1-162-959-11 | CERAMIC CHIP | 330pF 5% 50V |
| | * 7-322-065-48 | RUBBER, SILICONE RTV (KE-3490) | | C2054 | 1-115-339-11 | CERAMIC CHIP | 0.1 μF 10% 50V |
| | 7-682-948-01 | SCREW +PSW 3X8 | | C2055 | 1-126-933-11 | ELECT | 100 μF 20% 16V |
| | | | | C2056 | 1-126-935-11 | ELECT | 470 μF 20% 16V |
| | | < CAPACITOR > | | C2057 | 1-164-156-11 | CERAMIC CHIP | 0.1 μF 25V |
| C2000 | 1-136-177-00 | FILM | 1 μF 5% 50V | C2060 | 1-162-964-11 | CERAMIC CHIP | 0.001 μF 10% 50V |
| C2001 | 1-162-964-11 | CERAMIC CHIP | 0.001 μF 10% 50V | C2061 | 1-162-966-11 | CERAMIC CHIP | 0.0022 μF 10% 50V |
| C2002 | 1-162-964-11 | CERAMIC CHIP | 0.001 μF 10% 50V | C2062 | 1-115-339-11 | CERAMIC CHIP | 0.1 μF 10% 50V |
| C2005 | 1-164-161-11 | CERAMIC CHIP | 0.0022 μF 10% 50V | C2063 | 1-115-339-11 | CERAMIC CHIP | 0.1 μF 10% 50V |
| C2006 | 1-115-339-11 | CERAMIC CHIP | 0.1 μF 10% 50V | C2064 | 1-165-738-31 | ELECT | 2700 μF 20% 25V |
| C2007 | 1-137-190-91 | FILM | 0.22 μF 5% 50V | C2065 | 1-165-738-31 | ELECT | 2700 μF 20% 25V |
| C2008 | 1-164-677-11 | CERAMIC CHIP | 0.033 μF 10% 16V | C2067 | 1-115-339-11 | CERAMIC CHIP | 0.1 μF 10% 50V |
| C2011 | 1-164-315-11 | CERAMIC CHIP | 470pF 5% 50V | C2069 | 1-126-933-11 | ELECT | 100 μF 20% 16V |
| C2013 | 1-162-966-11 | CERAMIC CHIP | 0.0022 μF 10% 50V | C2071 | 1-162-966-11 | CERAMIC CHIP | 0.0022 μF 10% 50V |
| C2014 | 1-109-953-11 | ELECT | 2.2 μF 20% 50V | C2072 | 1-162-966-11 | CERAMIC CHIP | 0.0022 μF 10% 50V |
| C2015 | 1-162-975-11 | CERAMIC CHIP | 24pF 5% 50V | C2073 | 1-164-156-11 | CERAMIC CHIP | 0.1 μF 25V |
| C2016 | 1-164-315-11 | CERAMIC CHIP | 470pF 5% 50V | C2076 | 1-125-837-91 | CERAMIC CHIP | 1 μF 10% 6.3V |
| C2018 | 1-162-966-11 | CERAMIC CHIP | 0.0022 μF 10% 50V | C2077 | 1-125-837-91 | CERAMIC CHIP | 1 μF 10% 6.3V |
| C2019 | 1-126-964-11 | ELECT | 10 μF 20% 50V | C2080 | 1-162-962-11 | CERAMIC CHIP | 470pF 10% 50V |
| C2020 | 1-162-964-11 | CERAMIC CHIP | 0.001 μF 10% 50V | C2081 | 1-162-962-11 | CERAMIC CHIP | 470pF 10% 50V |
| C2021 | 1-162-959-11 | CERAMIC CHIP | 330pF 5% 50V | C2082 | 1-126-933-11 | ELECT | 100 μF 20% 16V |
| C2022 | 1-164-156-11 | CERAMIC CHIP | 0.1 μF 25V | C2083 | 1-126-947-11 | ELECT | 47 μF 20% 25V |
| C2023 | 1-162-966-11 | CERAMIC CHIP | 0.0022 μF 10% 50V | C2086 | 1-162-962-11 | CERAMIC CHIP | 470pF 10% 50V |
| C2024 | 1-107-704-51 | ELECT | 470 μF 20% 25V | C2088 | 1-126-967-11 | ELECT | 47 μF 20% 50V |
| C2025 | 1-137-190-91 | FILM | 0.22 μF 5% 50V | C2090 | 1-162-962-11 | CERAMIC CHIP | 470pF 10% 50V |
| C2026 | 1-164-217-11 | CERAMIC CHIP | 150pF 5% 50V | C2092 | 1-126-933-11 | ELECT | 100 μF 20% 16V |
| C2027 | 1-162-966-11 | CERAMIC CHIP | 0.0022 μF 10% 50V | C2096 | 1-162-964-11 | CERAMIC CHIP | 0.001 μF 10% 50V |
| C2028 | 1-162-966-11 | CERAMIC CHIP | 0.0022 μF 10% 50V | C2097 | 1-162-964-11 | CERAMIC CHIP | 0.001 μF 10% 50V |
| C2029 | 1-126-933-11 | ELECT | 100 μF 20% 16V | C6000 | 1-117-703-11 | CERAMIC | 0.0047 μF 99% 250V |
| C2030 | 1-126-933-11 | ELECT | 100 μF 20% 16V | C6001 Δ | 1-165-530-31 | MYLAR | 0.47 μF 10 0V |
| C2031 | 1-162-959-11 | CERAMIC CHIP | 330pF 5% 50V | C6002 Δ | 1-119-894-51 | CERAMIC | 2200pF 20% 250V |
| C2033 | 1-162-966-11 | CERAMIC CHIP | 0.0022 μF 10% 50V | C6003 | 1-165-530-31 | MYLAR | 0.47 μF 10 0V |
| C2034 | 1-164-156-11 | CERAMIC CHIP | 0.1 μF 25V | C6004 Δ | 1-119-894-51 | CERAMIC | 2200pF 20% 250V |
| C2035 | 1-125-837-91 | CERAMIC CHIP | 1 μF 10% 6.3V | C6005 | 1-165-529-31 | MYLAR | 0.22 μF 10 0V |
| C2036 | 1-126-933-11 | ELECT | 100 μF 20% 16V | C6007 | 1-161-964-91 | CERAMIC | 0.0047 μF 250V |
| C2038 | 1-162-964-11 | CERAMIC CHIP | 0.001 μF 10% 50V | C6008 | 1-161-964-91 | CERAMIC | 0.0047 μF 250V |
| C2039 | 1-164-315-11 | CERAMIC CHIP | 470pF 5% 50V | C6011 | 1-125-906-11 | ELECT | 560 μF 20% 450V |
| C2040 | 1-126-964-11 | ELECT | 10 μF 20% 50V | C6107 | 1-165-528-31 | MYLAR | 0.1 μF 10 0V |
| C2041 | 1-164-315-11 | CERAMIC CHIP | 470pF 5% 50V | C6108 | 1-165-528-31 | MYLAR | 0.1 μF 10 0V |
| C2042 | 1-162-964-11 | CERAMIC CHIP | 0.001 μF 10% 50V | C6110 | 1-126-934-11 | ELECT | 220 μF 20% 16V |
| C2043 | 1-115-339-11 | CERAMIC CHIP | 0.1 μF 10% 50V | C6111 | 1-164-156-11 | CERAMIC CHIP | 0.1 μF 25V |
| C2044 | 1-162-966-11 | CERAMIC CHIP | 0.0022 μF 10% 50V | C6112 | 1-126-965-91 | ELECT | 22 μF 20% 50V |
| C2047 | 1-136-177-00 | FILM | 1 μF 5% 50V | C6114 | 1-126-961-11 | ELECT | 2.2 μF 20% 50V |
| C2048 | 1-165-176-11 | CERAMIC CHIP | 0.047 μF 10% 16V | C6115 | 1-126-942-61 | ELECT | 1000 μF 20% 25V |
| C2049 | 1-126-055-11 | ELECT | 470 μF 20% 50V | C6116 | 1-128-562-11 | ELECT | 47 μF 20% 100V |
| C2050 | 1-164-677-11 | CERAMIC CHIP | 0.033 μF 10% 16V | C6118 | 1-162-970-11 | CERAMIC CHIP | 0.01 μF 10% 25V |
| | | | | C6119 | 1-126-960-11 | ELECT | 1 μF 20% 50V |
| | | | | C6120 | 1-126-968-11 | ELECT | 100 μF 20% 50V |
| | | | | C6123 | 1-126-968-11 | ELECT | 100 μF 20% 50V |

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The components identified by shading and mark Δ are critical for safety. Replace only with part numberU.com specified.

| REF. NO. | PART NO. | DESCRIPTION | REMARK |
|---------------|--------------|-------------------------------|----------|
| C6200 | 1-128-954-11 | ELECT 1000 μ F | 20% 25V |
| C6201 | 1-128-954-11 | ELECT 1000 μ F | 20% 25V |
| C6202 | 1-128-954-11 | ELECT 1000 μ F | 20% 25V |
| C6203 | 1-164-156-11 | CERAMIC CHIP 0.1 μ F | 25V |
| C6204 | 1-164-156-11 | CERAMIC CHIP 0.1 μ F | 25V |
| C6205 | 1-164-156-11 | CERAMIC CHIP 0.1 μ F | 25V |
| C6212 | 1-128-950-31 | ELECT 1000 μ F | 20% 16V |
| C6213 | 1-128-945-31 | ELECT 1000 μ F | 20% 10V |
| C6214 | 1-128-942-31 | ELECT 1000 μ F | 20% 6.3V |
| C6215 | 1-126-935-11 | ELECT 470 μ F | 20% 16V |
| C6216 | 1-126-926-11 | ELECT 1000 μ F | 20% 10V |
| C6217 | 1-126-916-11 | ELECT 1000 μ F | 20% 6.3V |
| C6220 | 1-107-826-11 | CERAMIC CHIP 0.1 μ F | 10% 16V |
| C6222 | 1-163-038-91 | CERAMIC CHIP 0.1 μ F | 25V |
| C6225 | 1-164-156-11 | CERAMIC CHIP 0.1 μ F | 25V |
| C6227 | 1-164-156-11 | CERAMIC CHIP 0.1 μ F | 25V |
| C6230 | 1-164-156-11 | CERAMIC CHIP 0.1 μ F | 25V |
| C6234 | 1-164-156-11 | CERAMIC CHIP 0.1 μ F | 25V |
| < CONNECTOR > | | | |
| CN2001* | 1-564-507-11 | PLUG, CONNECTOR 4P | |
| CN2003* | 1-793-495-11 | CONNECTOR, BOARD TO BOARD 50P | |
| CN2004* | 1-793-495-11 | CONNECTOR, BOARD TO BOARD 50P | |
| CN2005* | 1-793-495-11 | CONNECTOR, BOARD TO BOARD 50P | |
| CN2006* | 1-779-892-11 | CONNECTOR, BOARD TO BOARD 10P | |
| CN2007* | 1-779-892-11 | CONNECTOR, BOARD TO BOARD 10P | |
| CN2011* | 1-779-892-11 | CONNECTOR, BOARD TO BOARD 10P | |
| CN2012* | 1-779-892-11 | CONNECTOR, BOARD TO BOARD 10P | |
| CN2015* | 1-793-495-11 | CONNECTOR, BOARD TO BOARD 50P | |
| CN2017* | 1-564-509-11 | PLUG, CONNECTOR 6P | |
| CN2019 | 1-695-915-11 | TAB (CONTACT) | |
| CN6000* | 1-580-843-11 | PIN, CONNECTOR (POWER) | |
| CN6001* | 1-580-843-11 | PIN, CONNECTOR (POWER) | |
| CN6002 | 1-695-915-11 | TAB (CONTACT) | |
| CN6003 | 1-695-915-11 | TAB (CONTACT) | |
| CN6004 | 1-695-915-11 | TAB (CONTACT) | |
| CN6005* | 1-580-689-11 | PIN, CONNECTOR (PC BOARD) 4P | |
| CN6006* | 1-580-689-11 | PIN, CONNECTOR (PC BOARD) 4P | |
| CN6013 | 1-695-915-11 | TAB (CONTACT) | |
| CN6100* | 1-766-241-11 | PIN, CONNECTOR (PC BOARD) 3P | |
| CN6101* | 1-766-241-11 | PIN, CONNECTOR (PC BOARD) 3P | |
| CN6102* | 1-508-786-00 | PIN, CONNECTOR (5MM PITCH) 2P | |
| < CAPACITOR > | | | |
| D2001 | 6-500-028-01 | DIODE MM3Z9V1ST1 | |
| D2004 | 8-719-081-97 | DIODE MMDL914T1 | |
| D6000 | 8-719-081-97 | DIODE MMDL914T1 | |
| D6005 | 8-719-022-99 | DIODE D6SB60L | |
| D6108 | 8-719-056-93 | DIODE UDZ-TE-17-18B | |
| D6109 | 8-719-510-02 | DIODE D1NS4 | |
| D6110 | 8-719-081-97 | DIODE MMDL914T1 | |
| D6112 | 8-719-081-97 | DIODE MMDL914T1 | |
| D6113 | 6-500-582-01 | DIODE KBP153G-A2 | |
| D6114 | 6-500-567-21 | DIODE 10ERB20-TB5 | |
| D6115 | 8-719-081-97 | DIODE MMDL914T1 | |
| D6116 | 8-719-081-97 | DIODE MMDL914T1 | |
| D6117 | 8-719-081-97 | DIODE MMDL914T1 | |
| D6118 | 6-500-555-01 | DIODE MM3Z27VT1 | |
| D6119 | 8-719-081-97 | DIODE MMDL914T1 | |
| D6120 | 8-719-081-97 | DIODE MMDL914T1 | |
| D6121 | 8-719-081-97 | DIODE MMDL914T1 | |

| REF. NO. | PART NO. | DESCRIPTION | REMARK |
|---------------------|--------------|-----------------------|-------------|
| D6122 | 8-719-081-97 | DIODE MMDL914T1 | |
| D6123 | 8-719-081-97 | DIODE MMDL914T1 | |
| D6200 | 8-719-078-04 | DIODE EC31QS03L-TE12L | |
| D6201 | 8-719-078-04 | DIODE EC31QS03L-TE12L | |
| D6202 | 8-719-078-04 | DIODE EC31QS03L-TE12L | |
| D6203 | 8-719-036-94 | DIODE RD5.6SB-T1 | |
| D6204 | 8-719-081-97 | DIODE MMDL914T1 | |
| D6205 | 8-719-056-83 | DIODE UDZ-TE-17-6.8B | |
| D6206 | 8-719-081-97 | DIODE MMDL914T1 | |
| D6207 | 8-719-977-28 | DIODE DTZ10B | |
| D6208 | 8-719-081-97 | DIODE MMDL914T1 | |
| D6215 | 6-500-654-01 | DIODE MM3Z3V0T1 | |
| < FUSE > | | | |
| F6000 Δ | 1-576-753-11 | FUSE 6.3A | 250V |
| < FERRITE BEAD > | | | |
| FB2000 | 1-469-578-11 | FERRITE | 1.1 μ H |
| FB2001 | 1-469-578-11 | FERRITE | 1.1 μ H |
| FB2002 | 1-469-578-11 | FERRITE | 1.1 μ H |
| FB2003 | 1-469-578-11 | FERRITE | 1.1 μ H |
| FB2004 | 1-469-578-11 | FERRITE | 1.1 μ H |
| FB2005 | 1-469-578-11 | FERRITE | 1.1 μ H |
| FB6101 | 1-469-578-11 | FERRITE | 1.1 μ H |
| FB6102 | 1-469-578-11 | FERRITE | 1.1 μ H |
| FB6200 | 1-412-911-11 | FERRITE | 0 μ H |
| FB6201 | 1-412-911-11 | FERRITE | 0 μ H |
| FB6202 | 1-412-911-11 | FERRITE | 0 μ H |
| FH6000 | 1-533-223-11 | FUSE HOLDER | 0A 0V |
| FH6001 | 1-533-223-11 | FUSE HOLDER | 0A 0V |
| < IC > | | | |
| IC2000 | 6-704-237-01 | IC TDA7490L | |
| IC2002 | 6-703-781-01 | IC S-80843CLUA-B64T2G | |
| IC6100 | 6-704-655-01 | IC NJU7223F50 | |
| IC6200 | 6-703-656-01 | IC SI-8090S | |
| IC6201 | 8-759-474-09 | IC SI-8050S-LF1101 | |
| IC6202 | 8-759-659-28 | IC SI-8033S | |
| < JUMPER RESISTOR > | | | |
| JR1 | 1-216-295-91 | SHORT CHIP | 0 |
| JR2 | 1-216-295-91 | SHORT CHIP | 0 |
| JR3 | 1-216-295-91 | SHORT CHIP | 0 |
| JR4 | 1-216-295-91 | SHORT CHIP | 0 |
| JR5 | 1-216-295-91 | SHORT CHIP | 0 |
| JR6 | 1-216-295-91 | SHORT CHIP | 0 |
| JR7 | 1-216-295-91 | SHORT CHIP | 0 |
| JR8 | 1-216-295-91 | SHORT CHIP | 0 |
| JR9 | 1-216-295-91 | SHORT CHIP | 0 |
| JR10 | 1-216-295-91 | SHORT CHIP | 0 |
| JR11 | 1-216-295-91 | SHORT CHIP | 0 |
| JR13 | 1-216-295-91 | SHORT CHIP | 0 |
| JR14 | 1-216-295-91 | SHORT CHIP | 0 |
| JR15 | 1-216-295-91 | SHORT CHIP | 0 |
| JR16 | 1-216-295-91 | SHORT CHIP | 0 |
| JR17 | 1-216-295-91 | SHORT CHIP | 0 |
| JR18 | 1-216-864-11 | SHORT CHIP | 0 |
| JR19 | 1-216-864-11 | SHORT CHIP | 0 |
| JR20 | 1-216-295-91 | SHORT CHIP | 0 |
| JR21 | 1-216-295-91 | SHORT CHIP | 0 |

The components identified by shading and mark Δ are critical for safety.
Replace only with part number specified.

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| REF. NO. | PART NO. | DESCRIPTION | REMARK | REF. NO. | PART NO. | DESCRIPTION | REMARK |
|----------------|--------------|--------------------------|-------------|-----------------|--------------|-------------|----------------|
| JR22 | 1-216-864-11 | SHORT CHIP | 0 | L6209 | 1-412-525-31 | INDUCTOR | 10 μ H |
| JR30 | 1-216-864-11 | SHORT CHIP | 0 | L6210 | 1-412-525-31 | INDUCTOR | 10 μ H |
| JR31 | 1-216-864-11 | SHORT CHIP | 0 | L6211 | 1-412-525-31 | INDUCTOR | 10 μ H |
| JR32 | 1-216-864-11 | SHORT CHIP | 0 | < IC LINK > | | | |
| JR33 | 1-216-864-11 | SHORT CHIP | 0 | PS2000 Δ | 1-576-390-91 | IC LINK | 2.5A 50V |
| JR34 | 1-216-864-11 | SHORT CHIP | 0 | PS2001 Δ | 1-576-390-91 | IC LINK | 2.5A 50V |
| JR35 | 1-216-864-11 | SHORT CHIP | 0 | < TRANSISTOR > | | | |
| JR36 | 1-216-864-11 | SHORT CHIP | 0 | Q2000 | 8-729-010-05 | TRANSISTOR | MSB709-RT1 |
| JR37 | 1-216-864-11 | SHORT CHIP | 0 | Q2001 | 8-729-010-25 | TRANSISTOR | MSD601-RT1 |
| JR38 | 1-216-864-11 | SHORT CHIP | 0 | Q2005 | 8-729-010-25 | TRANSISTOR | MSD601-RT1 |
| JR39 | 1-216-864-11 | SHORT CHIP | 0 | Q2006 | 8-729-010-25 | TRANSISTOR | MSD601-RT1 |
| JR40 | 1-216-864-11 | SHORT CHIP | 0 | Q2007 | 8-729-010-05 | TRANSISTOR | MSB709-RT1 |
| JR41 | 1-216-864-11 | SHORT CHIP | 0 | Q2008 | 8-729-010-05 | TRANSISTOR | MSB709-RT1 |
| JR42 | 1-216-864-11 | SHORT CHIP | 0 | Q2010 | 8-729-010-05 | TRANSISTOR | MSB709-RT1 |
| JR43 | 1-216-864-11 | SHORT CHIP | 0 | Q6102 | 8-729-010-25 | TRANSISTOR | MSD601-RT1 |
| JR44 | 1-216-864-11 | SHORT CHIP | 0 | Q6103 | 8-729-271-31 | TRANSISTOR | 2SC2713-G |
| JR45 | 1-216-864-11 | SHORT CHIP | 0 | Q6104 | 8-729-216-31 | TRANSISTOR | 2SA1163-G |
| JR46 | 1-216-864-11 | SHORT CHIP | 0 | Q6105 | 8-729-010-05 | TRANSISTOR | MSB709-RT1 |
| JR47 | 1-216-864-11 | SHORT CHIP | 0 | Q6107 | 8-729-140-96 | TRANSISTOR | 2SD774-34 |
| JR48 | 1-216-864-11 | SHORT CHIP | 0 | Q6108 | 8-729-010-25 | TRANSISTOR | MSD601-RT1 |
| JR49 | 1-216-864-11 | SHORT CHIP | 0 | Q6109 | 8-729-010-05 | TRANSISTOR | MSB709-RT1 |
| JR50 | 1-216-864-11 | SHORT CHIP | 0 | Q6110 | 8-729-010-05 | TRANSISTOR | MSB709-RT1 |
| JR51 | 1-216-864-11 | SHORT CHIP | 0 | Q6111 | 8-729-010-25 | TRANSISTOR | MSD601-RT1 |
| JR52 | 1-216-864-11 | SHORT CHIP | 0 | Q6112 | 8-729-010-25 | TRANSISTOR | MSD601-RT1 |
| JR53 | 1-216-864-11 | SHORT CHIP | 0 | < RESISTOR > | | | |
| JR54 | 1-216-864-11 | SHORT CHIP | 0 | R2000 | 1-216-855-11 | METAL CHIP | 680K 5% 1/10W |
| JR55 | 1-216-864-11 | SHORT CHIP | 0 | R2001 | 1-216-864-11 | SHORT CHIP | 0 |
| JR2003 | 1-216-864-11 | SHORT CHIP | 0 | R2002 | 1-216-833-11 | METAL CHIP | 10K 5% 1/10W |
| JR6101 | 1-216-864-11 | SHORT CHIP | 0 | R2006 | 1-216-836-11 | METAL CHIP | 18K 5% 1/10W |
| JR6200 | 1-216-864-11 | SHORT CHIP | 0 | R2007 | 1-216-839-11 | METAL CHIP | 33K 5% 1/10W |
| JR6201 | 1-216-864-11 | SHORT CHIP | 0 | R2008 | 1-216-839-11 | METAL CHIP | 33K 5% 1/10W |
| JR6202 | 1-216-864-11 | SHORT CHIP | 0 | R2009 | 1-216-815-11 | METAL CHIP | 330 5% 1/10W |
| JR6204 | 1-216-864-11 | SHORT CHIP | 0 | R2010 | 1-216-815-11 | METAL CHIP | 330 5% 1/10W |
| JR6206 | 1-216-295-91 | SHORT CHIP | 0 | R2014 | 1-216-841-11 | METAL CHIP | 47K 5% 1/10W |
| JR6207 | 1-216-864-11 | SHORT CHIP | 0 | R2015 | 1-216-830-11 | METAL CHIP | 5.6K 5% 1/10W |
| JR6209 | 1-216-864-11 | SHORT CHIP | 0 | R2018 | 1-216-828-11 | METAL CHIP | 3.9K 5% 1/10W |
| JR6211 | 1-216-864-11 | SHORT CHIP | 0 | R2019 | 1-216-829-11 | METAL CHIP | 4.7K 5% 1/10W |
| JR6213 | 1-216-864-11 | SHORT CHIP | 0 | R2020 | 1-218-871-11 | METAL CHIP | 10K 0.5% 1/10W |
| JR6507 | 1-216-864-11 | SHORT CHIP | 0 | R2021 | 1-216-839-11 | METAL CHIP | 33K 5% 1/10W |
| < COIL > | | | | R2023 | 1-216-839-11 | METAL CHIP | 33K 5% 1/10W |
| L2000 | 1-456-451-21 | INDUCTOR | 65 μ H | R2024 | 1-216-817-11 | METAL CHIP | 470 5% 1/10W |
| L2001 | 1-456-450-21 | INDUCTOR | 30 μ H | R2025 | 1-216-829-11 | METAL CHIP | 4.7K 5% 1/10W |
| L2002 | 1-456-450-21 | INDUCTOR | 30 μ H | R2026 | 1-216-809-11 | METAL CHIP | 100 5% 1/10W |
| L2003 | 1-469-320-21 | INDUCTOR | 100 μ H | R2027 | 1-216-843-11 | METAL CHIP | 68K 5% 1/10W |
| L2004 | 1-469-320-21 | INDUCTOR | 100 μ H | R2028 | 1-218-879-11 | METAL CHIP | 22K 0.5% 1/10W |
| L2005 | 1-456-451-21 | INDUCTOR | 65 μ H | R2029 | 1-216-833-11 | METAL CHIP | 10K 5% 1/10W |
| L2006 | 1-469-317-21 | INDUCTOR | 10 μ H | R2030 | 1-216-835-11 | METAL CHIP | 15K 5% 1/10W |
| L2007 | 1-400-397-11 | INDUCTOR | 10 μ H | R2032 | 1-218-879-11 | METAL CHIP | 22K 0.5% 1/10W |
| L2008 | 1-414-856-11 | INDUCTOR | 10 μ H | R2033 | 1-216-833-11 | METAL CHIP | 10K 5% 1/10W |
| L2009 | 1-414-856-11 | INDUCTOR | 10 μ H | R2034 | 1-216-833-11 | METAL CHIP | 10K 5% 1/10W |
| L2010 | 1-414-856-11 | INDUCTOR | 10 μ H | R2036 | 1-216-843-11 | METAL CHIP | 68K 5% 1/10W |
| L2011 | 1-414-856-11 | INDUCTOR | 10 μ H | R2037 | 1-216-846-11 | METAL CHIP | 120K 5% 1/10W |
| L6000 Δ | 1-433-900-11 | TRANSFORMER, LINE FILTER | | R2038 | 1-216-821-11 | METAL CHIP | 1K 5% 1/10W |
| L6001 Δ | 1-433-900-11 | TRANSFORMER, LINE FILTER | | R2039 | 1-216-833-11 | METAL CHIP | 10K 5% 1/10W |
| L6002 | 1-406-977-21 | INDUCTOR | 100 μ H | R2041 | 1-216-817-11 | METAL CHIP | 470 5% 1/10W |
| L6203 | 1-412-525-31 | INDUCTOR | 10 μ H | R2042 | 1-216-805-11 | METAL CHIP | 47 5% 1/10W |
| L6204 | 1-412-525-31 | INDUCTOR | 10 μ H | R2043 | 1-216-821-11 | METAL CHIP | 1K 5% 1/10W |
| L6205 | 1-412-537-31 | INDUCTOR | 100 μ H | | | | |
| L6206 | 1-456-414-11 | COIL, CHOPPER | | | | | |
| L6207 | 1-456-414-11 | COIL, CHOPPER | | | | | |
| L6208 | 1-456-414-11 | COIL, CHOPPER | | | | | |

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The components identified by shading and mark Δ are critical for safety. Replace only with part number U.com specified.

| REF. NO. | PART NO. | DESCRIPTION | REMARK |
|----------|--------------|--------------------|--------|
| R2044 | 1-216-841-11 | METAL CHIP 47K 5% | 1/10W |
| R2045 | 1-216-805-11 | METAL CHIP 47 5% | 1/10W |
| R2046 | 1-216-828-11 | METAL CHIP 3.9K 5% | 1/10W |
| R2047 | 1-216-857-11 | METAL CHIP 1M 5% | 1/10W |
| R2048 | 1-216-847-11 | METAL CHIP 150K 5% | 1/10W |
| R2049 | 1-216-830-11 | METAL CHIP 5.6K 5% | 1/10W |
| R2050 | 1-216-841-11 | METAL CHIP 47K 5% | 1/10W |
| R2051 | 1-216-833-11 | METAL CHIP 10K 5% | 1/10W |
| R2052 | 1-216-823-11 | METAL CHIP 1.5K 5% | 1/10W |
| R2058 | 1-216-815-11 | METAL CHIP 330 5% | 1/10W |
| R2059 | 1-216-815-11 | METAL CHIP 330 5% | 1/10W |
| R2060 | 1-216-795-11 | METAL CHIP 6.8 5% | 1/10W |
| R2061 | 1-216-829-11 | METAL CHIP 4.7K 5% | 1/10W |
| R2063 | 1-216-864-11 | SHORT CHIP 0 | |
| R2065 | 1-216-825-11 | METAL CHIP 2.2K 5% | 1/10W |
| R2067 | 1-216-833-11 | METAL CHIP 10K 5% | 1/10W |
| R2068 | 1-216-833-11 | METAL CHIP 10K 5% | 1/10W |
| R2070 | 1-216-864-11 | SHORT CHIP 0 | |
| R2080 | 1-216-809-11 | METAL CHIP 100 5% | 1/10W |
| R2081 | 1-216-809-11 | METAL CHIP 100 5% | 1/10W |
| R2090 | 1-216-809-11 | METAL CHIP 100 5% | 1/10W |
| R2091 | 1-216-809-11 | METAL CHIP 100 5% | 1/10W |
| R2098 | 1-216-821-11 | METAL CHIP 1K 5% | 1/10W |
| R2103 | 1-216-809-11 | METAL CHIP 100 5% | 1/10W |
| R2104 | 1-216-864-11 | SHORT CHIP 0 | |
| R2109 | 1-216-815-11 | METAL CHIP 330 5% | 1/10W |
| R2110 | 1-216-815-11 | METAL CHIP 330 5% | 1/10W |
| R2111 | 1-216-815-11 | METAL CHIP 330 5% | 1/10W |
| R2112 | 1-216-815-11 | METAL CHIP 330 5% | 1/10W |
| R2114 | 1-216-864-11 | SHORT CHIP 0 | |
| R2117 | 1-216-815-11 | METAL CHIP 330 5% | 1/10W |
| R2119 | 1-216-815-11 | METAL CHIP 330 5% | 1/10W |
| R2121 | 1-216-815-11 | METAL CHIP 330 5% | 1/10W |
| R2123 | 1-216-815-11 | METAL CHIP 330 5% | 1/10W |
| R6001 | 1-247-289-00 | METAL 8.2M 5% | 1W |
| R6002 | 1-240-303-31 | CEMENTED 0.22 5% | 10W |
| R6004 | 1-240-303-31 | CEMENTED 0.22 5% | 10W |
| R6010 | 1-240-876-41 | CEMENTED 1 5% | 15W |
| R6011 | 1-240-876-41 | CEMENTED 1 5% | 15W |
| R6014 | 1-219-759-11 | METAL 1M 5% | 1/2W |
| R6015 | 1-216-833-11 | METAL CHIP 10K 5% | 1/10W |
| R6016 | 1-216-833-11 | METAL CHIP 10K 5% | 1/10W |
| R6017 | 1-219-759-11 | METAL 1M 5% | 1/2W |
| R6111 | 1-216-833-11 | METAL CHIP 10K 5% | 1/10W |
| R6112 | 1-216-833-11 | METAL CHIP 10K 5% | 1/10W |
| R6113 | 1-216-821-11 | METAL CHIP 1K 5% | 1/10W |
| R6114 | 1-216-857-11 | METAL CHIP 1M 5% | 1/10W |
| R6115 | 1-216-837-11 | METAL CHIP 22K 5% | 1/10W |
| R6116 | 1-216-833-11 | METAL CHIP 10K 5% | 1/10W |
| R6118 | 1-216-821-11 | METAL CHIP 1K 5% | 1/10W |
| R6119 | 1-216-837-11 | METAL CHIP 22K 5% | 1/10W |
| R6120 | 1-216-841-11 | METAL CHIP 47K 5% | 1/10W |
| R6121 | 1-216-841-11 | METAL CHIP 47K 5% | 1/10W |
| R6122 | 1-216-833-11 | METAL CHIP 10K 5% | 1/10W |
| R6123 | 1-216-833-11 | METAL CHIP 10K 5% | 1/10W |
| R6124 | 1-216-841-11 | METAL CHIP 47K 5% | 1/10W |
| R6125 | 1-216-841-11 | METAL CHIP 47K 5% | 1/10W |
| R6126 | 1-216-837-11 | METAL CHIP 22K 5% | 1/10W |
| R6127 | 1-216-841-11 | METAL CHIP 47K 5% | 1/10W |
| R6128 | 1-216-841-11 | METAL CHIP 47K 5% | 1/10W |
| R6129 | 1-216-841-11 | METAL CHIP 47K 5% | 1/10W |
| R6130 | 1-216-841-11 | METAL CHIP 47K 5% | 1/10W |
| R6206 | 1-211-977-11 | METAL CHIP 22 0.5% | 1/10W |

| REF. NO. | PART NO. | DESCRIPTION | REMARK |
|---|-----------------------|----------------------------|----------|
| R6207 | 1-218-859-11 | METAL CHIP 3.3K 0.5% | 1/10W |
| R6208 | 1-211-969-11 | METAL CHIP 10 0.5% | 1/10W |
| R6209 | 1-218-847-11 | METAL CHIP 1K 0.5% | 1/10W |
| R6210 | 1-211-981-11 | METAL CHIP 33 0.5% | 1/10W |
| R6211 | 1-218-847-11 | METAL CHIP 1K 0.5% | 1/10W |
| R6231 | 1-216-821-11 | METAL CHIP 1K 5% | 1/10W |
| R6232 | 1-249-377-11 | CARBON 0.47 5% | 1/4W |
| < RELAY > | | | |
| RY6000 | 1-755-395-11 | RELAY (AC POWER) | |
| RY6100 | Δ 1-755-198-11 | RELAY, AC POWER | |
| < TRANSFORMER > | | | |
| T6101 | Δ 1-443-060-11 | TRANSFORMER, STANDBY | |
| < THERMISTOR > | | | |
| TH6101 | Δ 1-803-540-11 | THERMISTOR | |
| < TUNER > | | | |
| TU2000 | 8-598-451-60 | TUNER, FSS BTF-WG441 | |
| < VARISTOR > | | | |
| VD6000 | Δ 1-804-995-21 | VARISTOR | |
| ***** | | | |
| * A-1302-739-A BM BOARD, COMPLETE ***** | | | |
| < CAPACITOR > | | | |
| C3032 | 1-164-156-11 | CERAMIC CHIP 0.1 μ F | 25V |
| C3035 | 1-117-681-11 | ELECT CHIP 100 μ F | 20% 16V |
| C3036 | 1-164-156-11 | CERAMIC CHIP 0.1 μ F | 25V |
| C3037 | 1-126-206-11 | ELECT CHIP 100 μ F | 20% 6.3V |
| C3038 | 1-162-970-11 | CERAMIC CHIP 0.01 μ F | 10% 25V |
| C3039 | 1-164-156-11 | CERAMIC CHIP 0.1 μ F | 25V |
| C3040 | 1-162-970-11 | CERAMIC CHIP 0.01 μ F | 10% 25V |
| C3100 | 1-162-964-11 | CERAMIC CHIP 0.001 μ F | 10% 50V |
| C3101 | 1-162-964-11 | CERAMIC CHIP 0.001 μ F | 10% 50V |
| C3102 | 1-124-779-00 | ELECT CHIP 10 μ F | 20% 16V |
| C3104 | 1-162-970-11 | CERAMIC CHIP 0.01 μ F | 10% 25V |
| C3105 | 1-162-970-11 | CERAMIC CHIP 0.01 μ F | 10% 25V |
| C3106 | 1-162-970-11 | CERAMIC CHIP 0.01 μ F | 10% 25V |
| C3107 | 1-162-970-11 | CERAMIC CHIP 0.01 μ F | 10% 25V |
| C3108 | 1-162-970-11 | CERAMIC CHIP 0.01 μ F | 10% 25V |
| C3109 | 1-162-970-11 | CERAMIC CHIP 0.01 μ F | 10% 25V |
| C3110 | 1-162-970-11 | CERAMIC CHIP 0.01 μ F | 10% 25V |
| C3111 | 1-162-970-11 | CERAMIC CHIP 0.01 μ F | 10% 25V |
| C3112 | 1-162-970-11 | CERAMIC CHIP 0.01 μ F | 10% 25V |
| C3113 | 1-126-204-11 | ELECT CHIP 47 μ F | 20% 16V |
| C3114 | 1-164-156-11 | CERAMIC CHIP 0.1 μ F | 25V |
| C3115 | 1-164-156-11 | CERAMIC CHIP 0.1 μ F | 25V |
| C3116 | 1-126-204-11 | ELECT CHIP 47 μ F | 20% 16V |
| C3117 | 1-162-970-11 | CERAMIC CHIP 0.01 μ F | 10% 25V |
| C3118 | 1-164-156-11 | CERAMIC CHIP 0.1 μ F | 25V |
| C3119 | 1-162-970-11 | CERAMIC CHIP 0.01 μ F | 10% 25V |
| C3120 | 1-126-204-11 | ELECT CHIP 47 μ F | 20% 16V |

| REF. NO. | PART NO. | DESCRIPTION | REMARK |
|---------------|--------------|---------------------------|----------|
| C3338 | 1-164-156-11 | CERAMIC CHIP 0.1μF | 25V |
| C3339 | 1-126-204-11 | ELECT CHIP 47μF | 20% 16V |
| C3340 | 1-162-970-11 | CERAMIC CHIP 0.01μF | 10% 25V |
| C3343 | 1-162-970-11 | CERAMIC CHIP 0.01μF | 10% 25V |
| C3344 | 1-162-916-11 | CERAMIC CHIP 12pF | 5% 50V |
| C3345 | 1-162-916-11 | CERAMIC CHIP 12pF | 5% 50V |
| C3347 | 1-164-156-11 | CERAMIC CHIP 0.1μF | 25V |
| C3351 | 1-162-970-11 | CERAMIC CHIP 0.01μF | 10% 25V |
| C3353 | 1-162-970-11 | CERAMIC CHIP 0.01μF | 10% 25V |
| C3354 | 1-162-970-11 | CERAMIC CHIP 0.01μF | 10% 25V |
| C3355 | 1-107-826-11 | CERAMIC CHIP 0.1μF | 10% 16V |
| C3357 | 1-164-156-11 | CERAMIC CHIP 0.1μF | 25V |
| C3358 | 1-126-206-11 | ELECT CHIP 100μF | 20% 6.3V |
| C3360 | 1-162-970-11 | CERAMIC CHIP 0.01μF | 10% 25V |
| C3361 | 1-162-970-11 | CERAMIC CHIP 0.01μF | 10% 25V |
| C3362 | 1-162-923-11 | CERAMIC CHIP 47pF | 5% 50V |
| C3363 | 1-162-970-11 | CERAMIC CHIP 0.01μF | 10% 25V |
| C3366 | 1-162-970-11 | CERAMIC CHIP 0.01μF | 10% 25V |
| C3367 | 1-164-156-11 | CERAMIC CHIP 0.1μF | 25V |
| C3368 | 1-164-156-11 | CERAMIC CHIP 0.1μF | 25V |
| C3369 | 1-124-779-00 | ELECT CHIP 10μF | 20% 16V |
| C3370 | 1-162-970-11 | CERAMIC CHIP 0.01μF | 10% 25V |
| C3371 | 1-162-970-11 | CERAMIC CHIP 0.01μF | 10% 25V |
| C3372 | 1-162-970-11 | CERAMIC CHIP 0.01μF | 10% 25V |
| C3373 | 1-162-970-11 | CERAMIC CHIP 0.01μF | 10% 25V |
| C3374 | 1-162-970-11 | CERAMIC CHIP 0.01μF | 10% 25V |
| C3375 | 1-126-206-11 | ELECT CHIP 100μF | 20% 6.3V |
| C3376 | 1-126-206-11 | ELECT CHIP 100μF | 20% 6.3V |
| C3377 | 1-162-970-11 | CERAMIC CHIP 0.01μF | 10% 25V |
| C3380 | 1-164-156-11 | CERAMIC CHIP 0.1μF | 25V |
| C3381 | 1-164-156-11 | CERAMIC CHIP 0.1μF | 25V |
| C3382 | 1-126-204-11 | ELECT CHIP 47μF | 20% 16V |
| C3383 | 1-162-970-11 | CERAMIC CHIP 0.01μF | 10% 25V |
| C3384 | 1-164-156-11 | CERAMIC CHIP 0.1μF | 25V |
| C3385 | 1-126-205-11 | ELECT CHIP 47μF | 20% 6.3V |
| C3386 | 1-126-205-11 | ELECT CHIP 47μF | 20% 6.3V |
| C3387 | 1-164-156-11 | CERAMIC CHIP 0.1μF | 25V |
| C3388 | 1-164-156-11 | CERAMIC CHIP 0.1μF | 25V |
| C3389 | 1-162-970-11 | CERAMIC CHIP 0.01μF | 10% 25V |
| C3390 | 1-126-205-11 | ELECT CHIP 47μF | 20% 6.3V |
| C3391 | 1-162-970-11 | CERAMIC CHIP 0.01μF | 10% 25V |
| C3393 | 1-162-970-11 | CERAMIC CHIP 0.01μF | 10% 25V |
| C3394 | 1-126-204-11 | ELECT CHIP 47μF | 20% 16V |
| C3395 | 1-124-779-00 | ELECT CHIP 10μF | 20% 16V |
| C3396 | 1-124-779-00 | ELECT CHIP 10μF | 20% 16V |
| C3397 | 1-125-837-91 | CERAMIC CHIP 1μF | 10% 6.3V |
| C3398 | 1-162-970-11 | CERAMIC CHIP 0.01μF | 10% 25V |
| C3459 | 1-162-970-11 | CERAMIC CHIP 0.01μF | 10% 25V |
| C3460 | 1-162-927-11 | CERAMIC CHIP 100pF | 5% 50V |
| C3461 | 1-162-970-11 | CERAMIC CHIP 0.01μF | 10% 25V |
| C3462 | 1-162-927-11 | CERAMIC CHIP 100pF | 5% 50V |
| C3463 | 1-162-970-11 | CERAMIC CHIP 0.01μF | 10% 25V |
| C3465 | 1-162-927-11 | CERAMIC CHIP 100pF | 5% 50V |
| C3466 | 1-162-970-11 | CERAMIC CHIP 0.01μF | 10% 25V |
| < CONNECTOR > | | | |
| CN3001* | 1-816-448-11 | CONNECTOR, BOARD TO BOARD | 50P |
| < DIODE > | | | |
| D3101 | 8-719-066-11 | DIODE 1PS184-115 | |

| REF. NO. | PART NO. | DESCRIPTION | REMARK |
|------------------|--------------|-------------------------|--------|
| D3102 | 8-719-066-10 | DIODE 1PS181-115 | |
| D3301 | 8-719-066-11 | DIODE 1PS184-115 | |
| D3302 | 8-719-066-10 | DIODE 1PS181-115 | |
| < FERRITE BEAD > | | | |
| FB3101 | 1-414-234-22 | FERRITE | 0μH |
| FB3203 | 1-469-110-21 | FERRITE | 0μH |
| FB3204 | 1-216-864-11 | SHORT CHIP | 0 |
| FB3302 | 1-216-864-11 | SHORT CHIP | 0 |
| < FILTER > | | | |
| FL3000 | 1-234-177-21 | FERRITE | 0μH |
| FL3001 | 1-234-177-21 | FERRITE | 0μH |
| FL3003 | 1-234-177-21 | FERRITE | 0μH |
| FL3100 | 1-234-677-21 | FILTER, EMI | |
| FL3101 | 1-234-560-21 | FILTER, LOW PASS | |
| FL3102 | 1-234-559-21 | FILTER, LOW PASS | |
| FL3103 | 1-234-559-21 | FILTER, LOW PASS | |
| FL3104 | 1-234-177-21 | FERRITE | 0μH |
| FL3105 | 1-234-177-21 | FERRITE | 0μH |
| FL3106 | 1-234-177-21 | FERRITE | 0μH |
| FL3107 | 1-234-177-21 | FERRITE | 0μH |
| FL3200 | 1-234-177-21 | FERRITE | 0μH |
| FL3201 | 1-234-177-21 | FERRITE | 0μH |
| FL3301 | 1-781-923-21 | FILTER, LOW PASS (SMD) | |
| FL3302 | 1-234-177-21 | FERRITE | 0μH |
| FL3304 | 1-234-177-21 | FERRITE | 0μH |
| FL3305 | 1-234-177-21 | FERRITE | 0μH |
| FL3306 | 1-234-177-21 | FERRITE | 0μH |
| < IC > | | | |
| IC3101 | 8-752-425-02 | IC CXD3802BQ | |
| IC3102 | 6-703-430-01 | IC MT48LC2M32BTG-6-Y94W | |
| IC3103 | 6-703-529-01 | IC LMH6658MM/J5000172 | |
| IC3104 | 6-703-529-01 | IC LMH6658MM/J5000172 | |
| IC3105 | 8-759-712-65 | IC PQ070XZ01ZP | |
| IC3106 | 8-759-712-65 | IC PQ070XZ01ZP | |
| IC3201 | 8-752-409-78 | IC CXD2095AQ | |
| IC3202 | 6-703-791-01 | IC MSM56V16160F-8T3FM1 | |
| IC3204 | 8-759-669-78 | IC TLC2933IPWR-12 | |
| IC3205 | 8-759-712-65 | IC PQ070XZ01ZP | |
| IC3301 | 8-759-672-57 | IC CXD9509AQ | |
| IC3302 | 6-703-430-01 | IC MT48LC2M32BTG-6-Y94W | |
| IC3303 | 8-752-409-20 | IC CXD2309AQ | |
| IC3309 | 8-759-082-57 | IC TC7W04FU(TE12R) | |
| IC3310 | 8-759-712-65 | IC PQ070XZ01ZP | |
| IC3311 | 8-759-833-72 | IC NJM2870F25-TE2 | |
| < COIL > | | | |
| L3101 | 1-412-029-11 | INDUCTOR | 10μH |
| L3102 | 1-469-555-21 | INDUCTOR | 10μH |
| L3103 | 1-412-029-11 | INDUCTOR | 10μH |
| L3104 | 1-412-026-11 | INDUCTOR | 1μH |
| L3105 | 1-412-026-11 | INDUCTOR | 1μH |
| L3106 | 1-412-026-11 | INDUCTOR | 1μH |
| L3107 | 1-412-029-11 | INDUCTOR | 10μH |
| L3201 | 1-412-026-11 | INDUCTOR | 1μH |
| L3202 | 1-469-561-21 | INDUCTOR | 100μH |
| L3203 | 1-469-561-21 | INDUCTOR | 100μH |

| REF. NO. | PART NO. | DESCRIPTION | REMARK | REF. NO. | PART NO. | DESCRIPTION | REMARK |
|----------|--------------|----------------|----------------|----------|--------------|-------------|-----------------|
| L3204 | 1-412-026-11 | INDUCTOR | 1μH | R3052 | 1-216-805-11 | METAL CHIP | 47 5% 1/10W |
| L3205 | 1-412-026-11 | INDUCTOR | 1μH | R3053 | 1-216-805-11 | METAL CHIP | 47 5% 1/10W |
| L3304 | 1-469-555-21 | INDUCTOR | 10μH | R3054 | 1-216-805-11 | METAL CHIP | 47 5% 1/10W |
| L3306 | 1-469-555-21 | INDUCTOR | 10μH | R3055 | 1-543-949-22 | FERRITE | 0μH |
| L3307 | 1-469-555-21 | INDUCTOR | 10μH | R3056 | 1-543-949-22 | FERRITE | 0μH |
| L3308 | 1-412-029-11 | INDUCTOR | 10μH | R3101 | 1-216-805-11 | METAL CHIP | 47 5% 1/10W |
| L3311 | 1-469-555-21 | INDUCTOR | 10μH | R3102 | 1-216-833-11 | METAL CHIP | 10K 5% 1/10W |
| L3312 | 1-412-026-11 | INDUCTOR | 1μH | R3103 | 1-216-823-11 | METAL CHIP | 1.5K 5% 1/10W |
| L3313 | 1-412-029-11 | INDUCTOR | 10μH | R3104 | 1-216-805-11 | METAL CHIP | 47 5% 1/10W |
| L3314 | 1-412-026-11 | INDUCTOR | 1μH | R3105 | 1-218-830-11 | METAL CHIP | 200 0.5% 1/10W |
| L3315 | 1-412-026-11 | INDUCTOR | 1μH | R3106 | 1-216-809-11 | METAL CHIP | 100 5% 1/10W |
| L3317 | 1-412-026-11 | INDUCTOR | 1μH | R3107 | 1-216-820-11 | METAL CHIP | 820 5% 1/10W |
| L3318 | 1-469-555-21 | INDUCTOR | 10μH | R3108 | 1-218-830-11 | METAL CHIP | 200 0.5% 1/10W |
| | | | | R3109 | 1-216-823-11 | METAL CHIP | 1.5K 5% 1/10W |
| | | < TRANSISTOR > | | R3110 | 1-216-805-11 | METAL CHIP | 47 5% 1/10W |
| Q3101 | 8-729-102-07 | TRANSISTOR | 2SC2223-F13 | R3111 | 1-218-834-11 | METAL CHIP | 300 0.5% 1/10W |
| Q3102 | 8-729-122-63 | TRANSISTOR | 2SA1226 | R3112 | 1-216-809-11 | METAL CHIP | 100 5% 1/10W |
| Q3103 | 8-729-102-07 | TRANSISTOR | 2SC2223-F13 | R3113 | 1-216-820-11 | METAL CHIP | 820 5% 1/10W |
| Q3104 | 8-729-122-63 | TRANSISTOR | 2SA1226 | R3114 | 1-218-834-11 | METAL CHIP | 300 0.5% 1/10W |
| Q3105 | 8-729-102-07 | TRANSISTOR | 2SC2223-F13 | R3115 | 1-216-805-11 | METAL CHIP | 47 5% 1/10W |
| Q3106 | 8-729-122-63 | TRANSISTOR | 2SA1226 | R3116 | 1-216-805-11 | METAL CHIP | 47 5% 1/10W |
| Q3107 | 8-729-028-28 | TRANSISTOR | 2SK2036(TE85L) | R3117 | 1-216-823-11 | METAL CHIP | 1.5K 5% 1/10W |
| Q3108 | 8-729-028-28 | TRANSISTOR | 2SK2036(TE85L) | R3118 | 1-216-805-11 | METAL CHIP | 47 5% 1/10W |
| Q3109 | 8-729-010-25 | TRANSISTOR | MSD601-RT1 | R3119 | 1-216-805-11 | METAL CHIP | 47 5% 1/10W |
| Q3110 | 8-729-102-07 | TRANSISTOR | 2SC2223-F13 | R3120 | 1-218-834-11 | METAL CHIP | 300 0.5% 1/10W |
| Q3111 | 8-729-102-07 | TRANSISTOR | 2SC2223-F13 | R3121 | 1-216-809-11 | METAL CHIP | 100 5% 1/10W |
| Q3112 | 8-729-102-07 | TRANSISTOR | 2SC2223-F13 | R3122 | 1-216-820-11 | METAL CHIP | 820 5% 1/10W |
| Q3113 | 8-729-010-25 | TRANSISTOR | MSD601-RT1 | R3123 | 1-218-834-11 | METAL CHIP | 300 0.5% 1/10W |
| Q3203 | 8-729-010-25 | TRANSISTOR | MSD601-RT1 | R3124 | 1-216-864-11 | SHORT CHIP | 0 |
| Q3204 | 8-729-010-05 | TRANSISTOR | MSB709-RT1 | R3125 | 1-216-864-11 | SHORT CHIP | 0 |
| Q3306 | 8-729-028-28 | TRANSISTOR | 2SK2036(TE85L) | R3129 | 1-216-805-11 | METAL CHIP | 47 5% 1/10W |
| Q3307 | 8-729-028-28 | TRANSISTOR | 2SK2036(TE85L) | R3130 | 1-216-805-11 | METAL CHIP | 47 5% 1/10W |
| Q3314 | 8-729-102-07 | TRANSISTOR | 2SC2223-F13 | R3131 | 1-216-833-11 | METAL CHIP | 10K 5% 1/10W |
| Q3315 | 8-729-102-07 | TRANSISTOR | 2SC2223-F13 | R3132 | 1-216-833-11 | METAL CHIP | 10K 5% 1/10W |
| Q3316 | 8-729-102-07 | TRANSISTOR | 2SC2223-F13 | R3133 | 1-216-809-11 | METAL CHIP | 100 5% 1/10W |
| Q3317 | 8-729-122-63 | TRANSISTOR | 2SA1226 | R3134 | 1-216-809-11 | METAL CHIP | 100 5% 1/10W |
| Q3318 | 8-729-122-63 | TRANSISTOR | 2SA1226 | R3135 | 1-543-949-22 | FERRITE | 0μH |
| Q3319 | 8-729-122-63 | TRANSISTOR | 2SA1226 | R3136 | 1-543-949-22 | FERRITE | 0μH |
| | | < RESISTOR > | | R3137 | 1-216-864-11 | SHORT CHIP | 0 |
| R3023 | 1-216-864-11 | SHORT CHIP | 0 | R3138 | 1-216-864-11 | SHORT CHIP | 0 |
| R3024 | 1-216-832-11 | METAL CHIP | 8.2K 5% 1/10W | R3141 | 1-218-839-11 | METAL CHIP | 470 0.5% 1/10W |
| R3032 | 1-216-864-11 | SHORT CHIP | 0 | R3142 | 1-218-839-11 | METAL CHIP | 470 0.5% 1/10W |
| R3034 | 1-216-864-11 | SHORT CHIP | 0 | R3143 | 1-218-839-11 | METAL CHIP | 470 0.5% 1/10W |
| R3035 | 1-543-949-22 | FERRITE | 0μH | R3144 | 1-218-841-11 | METAL CHIP | 560 0.5% 1/10W |
| R3036 | 1-543-949-22 | FERRITE | 0μH | R3145 | 1-218-841-11 | METAL CHIP | 560 0.5% 1/10W |
| R3037 | 1-543-949-22 | FERRITE | 0μH | R3146 | 1-218-841-11 | METAL CHIP | 560 0.5% 1/10W |
| R3038 | 1-216-864-11 | SHORT CHIP | 0 | R3147 | 1-218-855-11 | METAL CHIP | 2.2K 0.5% 1/10W |
| R3039 | 1-216-864-11 | SHORT CHIP | 0 | R3148 | 1-218-867-11 | METAL CHIP | 6.8K 0.5% 1/10W |
| R3040 | 1-216-864-11 | SHORT CHIP | 0 | R3150 | 1-218-861-11 | METAL CHIP | 3.9K 0.5% 1/10W |
| R3041 | 1-543-949-22 | FERRITE | 0μH | R3151 | 1-218-861-11 | METAL CHIP | 3.9K 0.5% 1/10W |
| R3042 | 1-543-949-22 | FERRITE | 0μH | R3152 | 1-218-861-11 | METAL CHIP | 3.9K 0.5% 1/10W |
| R3043 | 1-216-805-11 | METAL CHIP | 47 5% 1/10W | R3153 | 1-211-977-11 | METAL CHIP | 22 0.5% 1/10W |
| R3044 | 1-216-805-11 | METAL CHIP | 47 5% 1/10W | R3154 | 1-216-809-11 | METAL CHIP | 100 5% 1/10W |
| R3045 | 1-216-805-11 | METAL CHIP | 47 5% 1/10W | R3155 | 1-216-809-11 | METAL CHIP | 100 5% 1/10W |
| R3046 | 1-543-949-22 | FERRITE | 0μH | R3156 | 1-216-847-11 | METAL CHIP | 150K 5% 1/10W |
| R3047 | 1-543-949-22 | FERRITE | 0μH | R3158 | 1-216-809-11 | METAL CHIP | 100 5% 1/10W |
| R3048 | 1-543-949-22 | FERRITE | 0μH | R3159 | 1-216-819-11 | METAL CHIP | 680 5% 1/10W |
| R3049 | 1-543-949-22 | FERRITE | 0μH | R3160 | 1-216-819-11 | METAL CHIP | 680 5% 1/10W |
| R3050 | 1-543-949-22 | FERRITE | 0μH | R3161 | 1-216-819-11 | METAL CHIP | 680 5% 1/10W |
| R3051 | 1-543-949-22 | FERRITE | 0μH | R3162 | 1-216-864-11 | SHORT CHIP | 0 |
| | | | | R3163 | 1-218-851-11 | METAL CHIP | 1.5K 0.5% 1/10W |
| | | | | R3164 | 1-218-863-11 | METAL CHIP | 4.7K 0.5% 1/10W |
| | | | | R3165 | 1-216-864-11 | SHORT CHIP | 0 |

| REF. NO. | PART NO. | DESCRIPTION | | REMARK |
|----------|--------------|-------------|------|------------|
| R3170 | 1-216-801-11 | METAL CHIP | 22 | 5% 1/10W |
| R3171 | 1-216-864-11 | SHORT CHIP | 0 | |
| R3172 | 1-216-864-11 | SHORT CHIP | 0 | |
| R3176 | 1-216-864-11 | SHORT CHIP | 0 | |
| R3178 | 1-218-847-11 | METAL CHIP | 1K | 0.5% 1/10W |
| R3179 | 1-218-847-11 | METAL CHIP | 1K | 0.5% 1/10W |
| R3181 | 1-216-833-11 | METAL CHIP | 10K | 5% 1/10W |
| R3182 | 1-216-833-11 | METAL CHIP | 10K | 5% 1/10W |
| R3183 | 1-218-847-11 | METAL CHIP | 1K | 0.5% 1/10W |
| R3184 | 1-218-847-11 | METAL CHIP | 1K | 0.5% 1/10W |
| R3185 | 1-218-873-11 | METAL CHIP | 12K | 0.5% 1/10W |
| R3186 | 1-216-833-11 | METAL CHIP | 10K | 5% 1/10W |
| R3190 | 1-216-864-11 | SHORT CHIP | 0 | |
| R3192 | 1-216-833-11 | METAL CHIP | 10K | 5% 1/10W |
| R3193 | 1-216-833-11 | METAL CHIP | 10K | 5% 1/10W |
| R3194 | 1-216-833-11 | METAL CHIP | 10K | 5% 1/10W |
| R3195 | 1-216-833-11 | METAL CHIP | 10K | 5% 1/10W |
| R3196 | 1-216-833-11 | METAL CHIP | 10K | 5% 1/10W |
| R3197 | 1-216-864-11 | SHORT CHIP | 0 | |
| R3198 | 1-216-864-11 | SHORT CHIP | 0 | |
| R3199 | 1-216-855-11 | METAL CHIP | 680K | 5% 1/10W |
| R3201 | 1-216-801-11 | METAL CHIP | 22 | 5% 1/10W |
| R3202 | 1-216-825-11 | METAL CHIP | 2.2K | 5% 1/10W |
| R3206 | 1-216-864-11 | SHORT CHIP | 0 | |
| R3207 | 1-216-825-11 | METAL CHIP | 2.2K | 5% 1/10W |
| R3209 | 1-216-864-11 | SHORT CHIP | 0 | |
| R3210 | 1-216-825-11 | METAL CHIP | 2.2K | 5% 1/10W |
| R3212 | 1-216-864-11 | SHORT CHIP | 0 | |
| R3213 | 1-216-864-11 | SHORT CHIP | 0 | |
| R3214 | 1-216-825-11 | METAL CHIP | 2.2K | 5% 1/10W |
| R3216 | 1-216-864-11 | SHORT CHIP | 0 | |
| R3217 | 1-216-864-11 | SHORT CHIP | 0 | |
| R3218 | 1-216-864-11 | SHORT CHIP | 0 | |
| R3220 | 1-216-825-11 | METAL CHIP | 2.2K | 5% 1/10W |
| R3222 | 1-216-864-11 | SHORT CHIP | 0 | |
| R3223 | 1-216-864-11 | SHORT CHIP | 0 | |
| R3224 | 1-216-864-11 | SHORT CHIP | 0 | |
| R3225 | 1-216-864-11 | SHORT CHIP | 0 | |
| R3227 | 1-216-864-11 | SHORT CHIP | 0 | |
| R3228 | 1-216-864-11 | SHORT CHIP | 0 | |
| R3229 | 1-216-864-11 | SHORT CHIP | 0 | |
| R3232 | 1-216-864-11 | SHORT CHIP | 0 | |
| R3233 | 1-216-864-11 | SHORT CHIP | 0 | |
| R3234 | 1-216-864-11 | SHORT CHIP | 0 | |
| R3235 | 1-216-864-11 | SHORT CHIP | 0 | |
| R3238 | 1-216-864-11 | SHORT CHIP | 0 | |
| R3242 | 1-216-864-11 | SHORT CHIP | 0 | |
| R3243 | 1-216-864-11 | SHORT CHIP | 0 | |
| R3245 | 1-216-825-11 | METAL CHIP | 2.2K | 5% 1/10W |
| R3247 | 1-216-864-11 | SHORT CHIP | 0 | |
| R3248 | 1-216-864-11 | SHORT CHIP | 0 | |
| R3251 | 1-216-833-11 | METAL CHIP | 10K | 5% 1/10W |
| R3252 | 1-216-813-11 | METAL CHIP | 220 | 5% 1/10W |
| R3253 | 1-216-864-11 | SHORT CHIP | 0 | |
| R3255 | 1-216-801-11 | METAL CHIP | 22 | 5% 1/10W |
| R3256 | 1-218-860-11 | METAL CHIP | 3.6K | 0.5% 1/10W |
| R3257 | 1-216-809-11 | METAL CHIP | 100 | 5% 1/10W |
| R3259 | 1-218-859-11 | METAL CHIP | 3.3K | 0.5% 1/10W |
| R3262 | 1-216-809-11 | METAL CHIP | 100 | 5% 1/10W |
| R3264 | 1-216-815-11 | METAL CHIP | 330 | 5% 1/10W |
| R3265 | 1-216-853-11 | METAL CHIP | 470K | 5% 1/10W |
| R3266 | 1-216-837-11 | METAL CHIP | 22K | 5% 1/10W |

| REF. NO. | PART NO. | DESCRIPTION | | REMARK |
|----------|--------------|-------------|------|------------|
| R3267 | 1-216-813-11 | METAL CHIP | 220 | 5% 1/10W |
| R3268 | 1-216-821-11 | METAL CHIP | 1K | 5% 1/10W |
| R3269 | 1-216-853-11 | METAL CHIP | 470K | 5% 1/10W |
| R3270 | 1-216-827-11 | METAL CHIP | 3.3K | 5% 1/10W |
| R3271 | 1-216-864-11 | SHORT CHIP | 0 | |
| R3272 | 1-216-805-11 | METAL CHIP | 47 | 5% 1/10W |
| R3279 | 1-216-864-11 | SHORT CHIP | 0 | |
| R3280 | 1-218-838-11 | METAL CHIP | 430 | 0.5% 1/10W |
| R3281 | 1-218-847-11 | METAL CHIP | 1K | 0.5% 1/10W |
| R3282 | 1-218-873-11 | METAL CHIP | 12K | 0.5% 1/10W |
| R3283 | 1-216-864-11 | SHORT CHIP | 0 | |
| R3304 | 1-216-821-11 | METAL CHIP | 1K | 5% 1/10W |
| R3305 | 1-218-859-11 | METAL CHIP | 3.3K | 0.5% 1/10W |
| R3308 | 1-216-821-11 | METAL CHIP | 1K | 5% 1/10W |
| R3312 | 1-216-821-11 | METAL CHIP | 1K | 5% 1/10W |
| R3315 | 1-216-809-11 | METAL CHIP | 100 | 5% 1/10W |
| R3316 | 1-216-801-11 | METAL CHIP | 22 | 5% 1/10W |
| R3317 | 1-216-801-11 | METAL CHIP | 22 | 5% 1/10W |
| R3322 | 1-216-805-11 | METAL CHIP | 47 | 5% 1/10W |
| R3323 | 1-216-815-11 | METAL CHIP | 330 | 5% 1/10W |
| R3333 | 1-216-833-11 | METAL CHIP | 10K | 5% 1/10W |
| R3334 | 1-216-833-11 | METAL CHIP | 10K | 5% 1/10W |
| R3335 | 1-216-825-11 | METAL CHIP | 2.2K | 5% 1/10W |
| R3337 | 1-216-801-11 | METAL CHIP | 22 | 5% 1/10W |
| R3340 | 1-216-864-11 | SHORT CHIP | 0 | |
| R3341 | 1-216-864-11 | SHORT CHIP | 0 | |
| R3344 | 1-216-821-11 | METAL CHIP | 1K | 5% 1/10W |
| R3347 | 1-216-821-11 | METAL CHIP | 1K | 5% 1/10W |
| R3350 | 1-216-821-11 | METAL CHIP | 1K | 5% 1/10W |
| R3351 | 1-216-809-11 | METAL CHIP | 100 | 5% 1/10W |
| R3359 | 1-216-809-11 | METAL CHIP | 100 | 5% 1/10W |
| R3369 | 1-216-864-11 | SHORT CHIP | 0 | |
| R3370 | 1-216-864-11 | SHORT CHIP | 0 | |
| R3375 | 1-543-949-22 | FERRITE | 0μH | |
| R3376 | 1-543-949-22 | FERRITE | 0μH | |
| R3377 | 1-218-847-11 | METAL CHIP | 1K | 0.5% 1/10W |
| R3378 | 1-218-847-11 | METAL CHIP | 1K | 0.5% 1/10W |
| R3384 | 1-211-987-11 | METAL CHIP | 56 | 0.5% 1/10W |
| R3385 | 1-211-985-11 | METAL CHIP | 47 | 0.5% 1/10W |
| R3386 | 1-211-987-11 | METAL CHIP | 56 | 0.5% 1/10W |
| R3387 | 1-211-985-11 | METAL CHIP | 47 | 0.5% 1/10W |
| R3388 | 1-216-864-11 | SHORT CHIP | 0 | |
| R3389 | 1-216-864-11 | SHORT CHIP | 0 | |
| R3391 | 1-216-829-11 | METAL CHIP | 4.7K | 5% 1/10W |
| R3392 | 1-216-818-11 | METAL CHIP | 560 | 5% 1/10W |
| R3396 | 1-216-864-11 | SHORT CHIP | 0 | |
| R3401 | 1-216-805-11 | METAL CHIP | 47 | 5% 1/10W |
| R3402 | 1-216-801-11 | METAL CHIP | 22 | 5% 1/10W |
| R3403 | 1-216-819-11 | METAL CHIP | 680 | 5% 1/10W |
| R3404 | 1-216-809-11 | METAL CHIP | 100 | 5% 1/10W |
| R3405 | 1-216-809-11 | METAL CHIP | 100 | 5% 1/10W |
| R3406 | 1-216-801-11 | METAL CHIP | 22 | 5% 1/10W |
| R3407 | 1-216-801-11 | METAL CHIP | 22 | 5% 1/10W |
| R3408 | 1-216-801-11 | METAL CHIP | 22 | 5% 1/10W |
| R3409 | 1-216-809-11 | METAL CHIP | 100 | 5% 1/10W |
| R3410 | 1-218-855-11 | METAL CHIP | 2.2K | 0.5% 1/10W |
| R3411 | 1-218-859-11 | METAL CHIP | 3.3K | 0.5% 1/10W |
| R3412 | 1-216-817-11 | METAL CHIP | 470 | 5% 1/10W |
| R3413 | 1-216-801-11 | METAL CHIP | 22 | 5% 1/10W |
| R3414 | 1-211-987-11 | METAL CHIP | 56 | 0.5% 1/10W |
| R3415 | 1-211-985-11 | METAL CHIP | 47 | 0.5% 1/10W |
| R3416 | 1-216-809-11 | METAL CHIP | 100 | 5% 1/10W |
| R3417 | 1-216-817-11 | METAL CHIP | 470 | 5% 1/10W |
| R3418 | 1-216-801-11 | METAL CHIP | 22 | 5% 1/10W |



| REF. NO. | PART NO. | DESCRIPTION | REMARK | REF. NO. | PART NO. | DESCRIPTION | REMARK |
|----------------------|--------------|-------------------|----------------|----------------------------------|--------------------------|--------------------------------|---------------|
| R3419 | 1-216-809-11 | METAL CHIP | 100 5% 1/10W | X3301 | 1-781-887-21 | VIBRATOR, CRYSTAL 18.543956MHz | |
| R3420 | 1-218-823-11 | METAL CHIP | 100 0.5% 1/10W | ***** | | | |
| R3421 | 1-218-823-11 | METAL CHIP | 100 0.5% 1/10W | * A-1405-659-A C BOARD, COMPLETE | | | |
| R3422 | 1-218-823-11 | METAL CHIP | 100 0.5% 1/10W | ***** | | | |
| R3425 | 1-216-817-11 | METAL CHIP | 470 5% 1/10W | 4-042-408-02 | PIN (45), WIRE | | |
| R3426 | 1-216-801-11 | METAL CHIP | 22 5% 1/10W | 4-382-854-11 | SCREW (M3X10), P, SW (+) | | |
| R3448 | 1-216-864-11 | SHORT CHIP | 0 | < CAPACITOR > | | | |
| R3459 | 1-211-977-11 | METAL CHIP | 22 0.5% 1/10W | C9004 | 1-115-350-51 | CERAMIC | 0.0047μF 2KV |
| R3469 | 1-218-844-11 | METAL CHIP | 750 0.5% 1/10W | C9009 | 1-163-104-00 | CERAMIC CHIP | 30pF 5% 50V |
| R3470 | 1-216-821-11 | METAL CHIP | 1K 5% 1/10W | C9010 | 1-163-104-00 | CERAMIC CHIP | 30pF 5% 50V |
| R3471 | 1-216-864-11 | SHORT CHIP | 0 | C9011 | 1-161-830-00 | CERAMIC | 0.0047μF 500V |
| R3472 | 1-216-864-11 | SHORT CHIP | 0 | C9012 | 1-161-830-00 | CERAMIC | 0.0047μF 500V |
| R3473 | 1-216-864-11 | SHORT CHIP | 0 | C9013 | 1-163-035-00 | CERAMIC CHIP | 0.047μF 50V |
| R3474 | 1-216-821-11 | METAL CHIP | 1K 5% 1/10W | C9014 | 1-161-830-00 | CERAMIC | 0.0047μF 500V |
| R3475 | 1-216-821-11 | METAL CHIP | 1K 5% 1/10W | C9015 | 1-163-104-00 | CERAMIC CHIP | 30pF 5% 50V |
| < NETWORK RESISTOR > | | | | C9018 | 1-107-961-91 | ELECT | 10μF 20% 250V |
| RB3101 | 1-236-908-11 | RES, CHIP NETWORK | 10K (3216) | C9019 | 1-164-004-11 | CERAMIC CHIP | 0.1μF 10% 25V |
| RB3102 | 1-239-409-11 | RES, CHIP NETWORK | 47 (3216) | C9020 | 1-107-961-91 | ELECT | 10μF 20% 250V |
| RB3103 | 1-239-409-11 | RES, CHIP NETWORK | 47 (3216) | C9021 | 1-107-961-91 | ELECT | 10μF 20% 250V |
| RB3104 | 1-239-409-11 | RES, CHIP NETWORK | 47 (3216) | C9022 | 1-101-004-00 | CERAMIC | 0.01μF 50V |
| RB3105 | 1-239-409-11 | RES, CHIP NETWORK | 47 (3216) | C9023 | 1-101-004-00 | CERAMIC | 0.01μF 50V |
| RB3106 | 1-233-576-11 | RES, CHIP NETWORK | 100 | C9024 | 1-164-004-11 | CERAMIC CHIP | 0.1μF 10% 25V |
| RB3107 | 1-233-576-11 | RES, CHIP NETWORK | 100 | C9025 | 1-104-653-11 | ELECT | 220μF 20% 16V |
| RB3108 | 1-233-576-11 | RES, CHIP NETWORK | 100 | C9026 | 1-164-004-11 | CERAMIC CHIP | 0.1μF 10% 25V |
| RB3109 | 1-233-576-11 | RES, CHIP NETWORK | 100 | C9027 | 1-101-004-00 | CERAMIC | 0.01μF 50V |
| RB3110 | 1-233-576-11 | RES, CHIP NETWORK | 100 | C9031 | 1-115-350-51 | CERAMIC | 0.0047μF 2KV |
| RB3111 | 1-233-576-11 | RES, CHIP NETWORK | 100 | C9032 | 1-162-116-00 | CERAMIC | 680pF 10% 2KV |
| RB3112 | 1-233-576-11 | RES, CHIP NETWORK | 100 | C9033 | 1-107-662-11 | ELECT | 22μF 20% 250V |
| RB3113 | 1-233-576-11 | RES, CHIP NETWORK | 100 | C9036 | 1-115-339-11 | CERAMIC CHIP | 0.1μF 10% 50V |
| RB3114 | 1-236-908-11 | RES, CHIP NETWORK | 10K (3216) | C9042 | 1-128-527-11 | ELECT | 330μF 20% 25V |
| RB3115 | 1-236-908-11 | RES, CHIP NETWORK | 10K (3216) | C9044 | 1-126-934-11 | ELECT | 220μF 20% 16V |
| RB3116 | 1-236-908-11 | RES, CHIP NETWORK | 10K (3216) | C9045 | 1-164-004-11 | CERAMIC CHIP | 0.1μF 10% 25V |
| RB3117 | 1-236-908-11 | RES, CHIP NETWORK | 10K (3216) | C9046 | 1-126-933-11 | ELECT | 100μF 20% 16V |
| RB3201 | 1-239-409-11 | RES, CHIP NETWORK | 47 (3216) | C9048 | 1-164-004-11 | CERAMIC CHIP | 0.1μF 10% 25V |
| RB3202 | 1-239-409-11 | RES, CHIP NETWORK | 47 (3216) | C9049 | 1-164-004-11 | CERAMIC CHIP | 0.1μF 10% 25V |
| RB3203 | 1-239-409-11 | RES, CHIP NETWORK | 47 (3216) | C9050 | 1-164-004-11 | CERAMIC CHIP | 0.1μF 10% 25V |
| RB3204 | 1-239-409-11 | RES, CHIP NETWORK | 47 (3216) | < CONNECTOR > | | | |
| RB3205 | 1-233-576-11 | RES, CHIP NETWORK | 100 | CN9001* | 1-764-334-11 | PLUG, CONNECTOR 11P | |
| RB3206 | 1-233-576-11 | RES, CHIP NETWORK | 100 | CN9002* | 1-564-507-11 | PLUG, CONNECTOR 4P | |
| RB3207 | 1-233-576-11 | RES, CHIP NETWORK | 100 | CN9003 | 1-695-915-11 | TAB (CONTACT) | |
| RB3208 | 1-233-576-11 | RES, CHIP NETWORK | 100 | CN9004 | 1-695-915-11 | TAB (CONTACT) | |
| RB3209 | 1-233-576-11 | RES, CHIP NETWORK | 100 | CN9009 | 1-785-879-11 | CONNECTOR, ONE TOUCH | |
| RB3210 | 1-233-576-11 | RES, CHIP NETWORK | 100 | < DIODE > | | | |
| RB3303 | 1-233-576-11 | RES, CHIP NETWORK | 100 | D9005 | 8-719-404-50 | DIODE MA111-TX | |
| RB3304 | 1-233-576-11 | RES, CHIP NETWORK | 100 | D9006 | 8-719-051-85 | DIODE HSS83TD | |
| RB3305 | 1-233-576-11 | RES, CHIP NETWORK | 100 | D9007 | 8-719-051-85 | DIODE HSS83TD | |
| RB3306 | 1-233-576-11 | RES, CHIP NETWORK | 100 | D9008 | 8-719-051-85 | DIODE HSS83TD | |
| RB3307 | 1-233-576-11 | RES, CHIP NETWORK | 100 | D9009 | 8-719-908-03 | DIODE GP08DPKG23 | |
| RB3308 | 1-233-576-11 | RES, CHIP NETWORK | 100 | D9010 | 8-719-110-17 | DIODE RD10ESB2 | |
| RB3313 | 1-233-813-11 | RES, NETWORK | 150 (3216) | < IC > | | | |
| RB3314 | 1-233-813-11 | RES, NETWORK | 150 (3216) | IC9001 | 8-759-680-01 | IC TDA6120Q/N2/S1 | |
| RB3315 | 1-233-813-11 | RES, NETWORK | 150 (3216) | IC9002 | 8-759-680-01 | IC TDA6120Q/N2/S1 | |
| RB3316 | 1-233-813-11 | RES, NETWORK | 150 (3216) | IC9003 | 8-759-680-01 | IC TDA6120Q/N2/S1 | |
| RB3318 | 1-233-813-11 | RES, NETWORK | 150 (3216) | < VIBRATOR > | | | |
| RB3319 | 1-233-813-11 | RES, NETWORK | 150 (3216) | X3101 | 1-795-951-21 | QUARTZ CRYSTAL OSCILLATOR(SMD) | 79.99MHz |



The components identified by shading and mark Δ are critical for safety.
Replace only with part number specified.

| REF. NO. | PART NO. | DESCRIPTION | REMARK |
|-------------------|-----------------------|----------------------------|--------|
| < JACK > | | | |
| J9001 | Δ 1-451-544-11 | SOCKET, CRT | |
| < COIL > | | | |
| L9002 | 1-408-592-11 | INDUCTOR 1.2 μ H | |
| L9003 | 1-408-592-11 | INDUCTOR 1.2 μ H | |
| L9004 | 1-408-592-11 | INDUCTOR 1.2 μ H | |
| L9005 | 1-406-666-21 | INDUCTOR 150 μ H | |
| L9006 | 1-412-526-11 | INDUCTOR 12 μ H | |
| < DISCHARGE GAP > | | | |
| NL9003 | 1-519-421-11 | GAP, DISCHARGE | |
| < TRANSISTOR > | | | |
| Q9001 | 8-729-424-02 | TRANSISTOR 2SB709A-QRS-TX | |
| Q9003 | 8-729-422-27 | TRANSISTOR 2SD601A-Q | |
| Q9004 | 8-729-422-27 | TRANSISTOR 2SD601A-Q | |
| Q9005 | 8-729-422-27 | TRANSISTOR 2SD601A-Q | |
| Q9007 | 8-729-141-73 | TRANSISTOR 2SC3624A-T1L15L | |
| Q9009 | 8-729-424-02 | TRANSISTOR 2SB709A-QRS-TX | |
| Q9010 | 8-729-424-02 | TRANSISTOR 2SB709A-QRS-TX | |
| Q9011 | 8-729-424-02 | TRANSISTOR 2SB709A-QRS-TX | |
| Q9013 | 8-729-141-73 | TRANSISTOR 2SC3624A-T1L15L | |
| Q9014 | 8-729-823-81 | TRANSISTOR 2SC4632LS-CB7 | |
| Q9015 | 8-729-141-73 | TRANSISTOR 2SC3624A-T1L15L | |
| < RESISTOR > | | | |
| R9001 | 1-216-633-11 | METAL CHIP 180 0.5% 1/10W | |
| R9006 | 1-216-073-91 | RES-CHIP 10K 5% 1/10W | |
| R9007 | 1-216-653-11 | METAL CHIP 1.2K 0.5% 1/10W | |
| R9012 | 1-216-295-91 | SHORT CHIP 0 | |
| R9013 | 1-216-049-11 | RES-CHIP 1K 5% 1/10W | |
| R9014 | 1-216-033-00 | RES-CHIP 220 5% 1/10W | |
| R9015 | 1-249-409-11 | CARBON 220 5% 1/4W | |
| R9016 | 1-216-033-00 | RES-CHIP 220 5% 1/10W | |
| R9018 | 1-216-633-11 | METAL CHIP 180 0.5% 1/10W | |
| R9019 | 1-216-633-11 | METAL CHIP 180 0.5% 1/10W | |
| R9020 | 1-216-025-11 | RES-CHIP 100 5% 1/10W | |
| R9021 | 1-216-103-00 | RES-CHIP 180K 5% 1/10W | |
| R9022 | 1-216-073-91 | RES-CHIP 10K 5% 1/10W | |
| R9023 | 1-216-103-00 | RES-CHIP 180K 5% 1/10W | |
| R9025 | 1-216-025-11 | RES-CHIP 100 5% 1/10W | |
| R9026 | 1-216-653-11 | METAL CHIP 1.2K 0.5% 1/10W | |
| R9027 | 1-216-099-00 | RES-CHIP 120K 5% 1/10W | |
| R9028 | 1-216-103-00 | RES-CHIP 180K 5% 1/10W | |
| R9029 | 1-216-073-91 | RES-CHIP 10K 5% 1/10W | |
| R9030 | 1-216-073-91 | RES-CHIP 10K 5% 1/10W | |
| R9031 | 1-208-784-11 | METAL CHIP 1.2K 0.5% 1/10W | |
| R9032 | 1-216-099-00 | RES-CHIP 120K 5% 1/10W | |
| R9033 | 1-215-435-00 | METAL 3.9K 1% 1/4W | |
| R9034 | 1-215-428-00 | METAL 2K 1% 1/4W | |
| R9035 | 1-216-103-00 | RES-CHIP 180K 5% 1/10W | |
| R9036 | 1-216-083-00 | RES-CHIP 27K 5% 1/10W | |
| R9037 | 1-215-926-00 | METAL OXIDE 33K 5% 3W | |
| R9039 | 1-216-025-11 | RES-CHIP 100 5% 1/10W | |
| R9041 | 1-216-083-00 | RES-CHIP 27K 5% 1/10W | |
| R9042 | 1-216-083-00 | RES-CHIP 27K 5% 1/10W | |
| R9043 | 1-215-926-00 | METAL OXIDE 33K 5% 3W | |

| REF. NO. | PART NO. | DESCRIPTION | REMARK |
|---|--------------------------|-------------------------------------|--------|
| R9044 | 1-215-926-00 | METAL OXIDE 33K 5% 3W | |
| R9047 | 1-219-744-11 | METAL 220 5% 1/2W | |
| R9048 | 1-216-049-11 | RES-CHIP 1K 5% 1/10W | |
| R9049 | 1-216-049-11 | RES-CHIP 1K 5% 1/10W | |
| R9051 | 1-219-744-11 | METAL 220 5% 1/2W | |
| R9052 | 1-219-744-11 | METAL 220 5% 1/2W | |
| R9056 | 1-219-743-11 | METAL 100 5% 1/2W | |
| R9057 | 1-219-510-11 | METAL 470K 5% 1/2W | |
| R9059 | 1-219-746-11 | METAL 1K 5% 1/2W | |
| R9061 | 1-219-743-11 | METAL 100 5% 1/2W | |
| R9062 | 1-260-123-11 | CARBON 100K 5% 1/2W | |
| R9063 | 1-216-097-11 | RES-CHIP 100K 5% 1/10W | |
| R9070 | 1-247-807-31 | CARBON 100 5% 1/4W | |
| R9071 | 1-247-807-31 | CARBON 100 5% 1/4W | |
| R9072 | 1-216-025-11 | RES-CHIP 100 5% 1/10W | |
| R9073 | 1-216-049-11 | RES-CHIP 1K 5% 1/10W | |
| R9074 | 1-208-782-11 | METAL CHIP 1K 0.5% 1/10W | |
| R9077 | 1-216-073-91 | RES-CHIP 10K 5% 1/10W | |
| R9089 | 1-208-803-11 | METAL CHIP 7.5K 0.5% 1/10W | |
| R9091 | 1-215-429-00 | METAL 2.2K 1% 1/4W | |
| R9092 | 1-216-295-91 | SHORT CHIP 0 | |
| R9094 | 1-216-295-91 | SHORT CHIP 0 | |
| R9095 | 1-216-295-91 | SHORT CHIP 0 | |
| < VARIABLE RESISTOR > | | | |
| RV9001 | Δ 1-241-714-11 | RES, ADJ, METAL FILM 110M (H STAT) | |
| ***** | | | |
| * A-1302-742-A D BOARD, COMPLETE ***** | | | |
| 3-710-578-01 | COVER, VOLUME, 6 MOLD | | |
| 4-382-854-01 | SCREW (M3X8), P, SW (+) | | |
| 4-382-854-21 | SCREW (M3X14), P, SW (+) | | |
| * 7-322-065-48 RUBBER, SILICONE RTV (KE-3490) | | | |
| < CAPACITOR > | | | |
| C5001 | 1-162-966-11 | CERAMIC CHIP 0.0022 μ F 10% 50V | |
| C5002 | 1-162-116-00 | CERAMIC 680pF 10% 2KV | |
| C5003 | 1-117-832-21 | FILM 4700pF 3% 1.5KV | |
| C5004 | 1-117-83311 | FILM 5100pF 3% 1.5KV | |
| C5005 | 1-137-401-11 | MYLAR 0.22 μ F 5% 100V | |
| C5006 | 1-162-116-00 | CERAMIC 680pF 10% 2KV | |
| C5009 | 1-162-318-11 | CERAMIC 0.001 μ F 10% 500V | |
| C5010 | 1-104-989-91 | MYLAR 0.0022 μ F 10% 200V | |
| C5015 | 1-107-826-11 | CERAMIC CHIP 0.1 μ F 10% 16V | |
| C5016 | 1-107-826-11 | CERAMIC CHIP 0.1 μ F 10% 16V | |
| C5017 | 1-104-989-91 | MYLAR 0.0022 μ F 10% 200V | |
| C5103 | 1-126-934-11 | ELECT 220 μ F 20% 16V | |
| C5104 | 1-126-941-11 | ELECT 470 μ F 20% 25V | |
| C5105 | 1-164-227-11 | CERAMIC CHIP 0.022 μ F 10% 25V | |
| C5106 | 1-164-227-11 | CERAMIC CHIP 0.022 μ F 10% 25V | |
| C5107 | 1-130-783-71 | MYLAR 0.33 μ F 10% 100V | |
| C5108 | 1-126-968-11 | ELECT 100 μ F 20% 50V | |
| C5109 | 1-126-941-11 | ELECT 470 μ F 20% 25V | |
| C5110 | 1-162-318-11 | CERAMIC 0.001 μ F 10% 500V | |
| C5201 | 1-137-367-11 | MYLAR 0.0033 μ F 5% 50V | |
| C5202 | 1-162-970-11 | CERAMIC CHIP 0.01 μ F 10% 25V | |
| C5203 | 1-126-964-11 | ELECT 10 μ F 20% 50V | |
| C5204 | 1-107-648-91 | ELECT 100 μ F 20% 160V | |
| C5205 | 1-115-416-11 | CERAMIC CHIP 0.001 μ F 5% 25V | |
| C5206 | 1-136-187-11 | MYLAR 0.047 μ F 10% 250V | |

| REF. NO. | PART NO. | DESCRIPTION | | REMARK | REF. NO. | PART NO. | DESCRIPTION | | REMARK | | |
|----------|--------------|--------------|----------|--------|----------|----------|--------------|--------------|----------|-----|------|
| C5207 | 1-165-727-31 | ELECT | 120μF | 20% | 16V | C6412 | 1-100-613-81 | CERAMIC | 470pF | 5% | 1KV |
| C5208 | 1-162-970-11 | CERAMIC CHIP | 0.01μF | 10% | 25V | C6413 | 1-165-954-11 | FILM | 56000pF | 3% | 800V |
| C5210 | 1-162-970-11 | CERAMIC CHIP | 0.01μF | 10% | 25V | C6414 | 1-117-228-71 | MYLAR | 2.2μF | 10% | 450V |
| C5211 | 1-216-864-11 | SHORT CHIP | 0 | | | C6415 | 1-126-968-11 | ELECT | 100μF | 20% | 50V |
| C5212 | 1-126-965-91 | ELECT | 22μF | 20% | 50V | C6416 | 1-126-948-11 | ELECT | 100μF | 20% | 35V |
| C5213 | 1-126-965-91 | ELECT | 22μF | 20% | 50V | C6418 | 1-162-970-11 | CERAMIC CHIP | 0.01μF | 10% | 25V |
| C5214 | 1-107-826-11 | CERAMIC CHIP | 0.1μF | 10% | 16V | C6500 | 1-126-942-61 | ELECT | 1000μF | 20% | 25V |
| C5216 | 1-162-966-11 | CERAMIC CHIP | 0.0022μF | 10% | 50V | C6501 | 1-126-942-61 | ELECT | 1000μF | 20% | 25V |
| C5217 | 1-164-677-11 | CERAMIC CHIP | 0.033μF | 10% | 16V | C6504 | 1-131-970-11 | ELECT | 1500μF | 20% | 25V |
| C5219 | 1-162-966-11 | CERAMIC CHIP | 0.0022μF | 10% | 50V | C6506 | 1-128-953-31 | ELECT | 470μF | 20% | 25V |
| C5221 | 1-162-970-11 | CERAMIC CHIP | 0.01μF | 10% | 25V | C6509 | 1-162-964-11 | CERAMIC CHIP | 0.001μF | 10% | 50V |
| C5223 | 1-107-826-11 | CERAMIC CHIP | 0.1μF | 10% | 16V | C6511 | 1-104-332-11 | CERAMIC | 470pF | 10% | 2KV |
| C5225 | 1-100-122-41 | FILM | 0.022μF | 5% | 400V | C6512 | 1-165-441-81 | ELECT | 33μF | 20% | 160V |
| C5227 | 1-128-563-11 | ELECT | 100μF | 20% | 100V | C6513 | 1-128-563-11 | ELECT | 100μF | 20% | 100V |
| C5401 | 1-107-826-11 | CERAMIC CHIP | 0.1μF | 10% | 16V | C6514 | 1-107-662-11 | ELECT | 22μF | 20% | 250V |
| C5402 | 1-162-970-11 | CERAMIC CHIP | 0.01μF | 10% | 25V | C6515 | 1-165-733-31 | ELECT | 100μF | 20% | 25V |
| C5403 | 1-162-964-11 | CERAMIC CHIP | 0.001μF | 10% | 50V | C6517 | 1-126-933-11 | ELECT | 100μF | 20% | 16V |
| C5404 | 1-107-826-11 | CERAMIC CHIP | 0.1μF | 10% | 16V | C6519 | 1-107-826-11 | CERAMIC CHIP | 0.1μF | 10% | 16V |
| C5405 | 1-107-826-11 | CERAMIC CHIP | 0.1μF | 10% | 16V | C6601 | 1-102-228-00 | CERAMIC | 470pF | 10% | 500V |
| C5406 | 1-162-966-11 | CERAMIC CHIP | 0.0022μF | 10% | 50V | C6602 | 1-126-935-11 | ELECT | 470μF | 20% | 16V |
| C5408 | 1-107-826-11 | CERAMIC CHIP | 0.1μF | 10% | 16V | C6603 | 1-102-228-00 | CERAMIC | 470pF | 10% | 500V |
| C5409 | 1-117-665-11 | FILM | 0.33μF | 5% | 250V | C6604 | 1-165-728-31 | ELECT | 330μF | 20% | 16V |
| C5410 | 1-161-830-11 | CERAMIC | 0.0047μF | | 500V | C6607 | 1-165-729-31 | ELECT | 470μF | 20% | 16V |
| C5412 | 1-162-965-11 | CERAMIC CHIP | 0.0015μF | 10% | 50V | C6611 | 1-104-658-91 | ELECT | 100μF | 20% | 10V |
| C5415 | 1-165-176-11 | CERAMIC CHIP | 0.047μF | 10% | 16V | C6613 | 1-104-658-91 | ELECT | 100μF | 20% | 10V |
| C5417 | 1-107-826-11 | CERAMIC CHIP | 0.1μF | 10% | 16V | C6616 | 1-126-941-11 | ELECT | 470μF | 20% | 25V |
| C5418 | 1-117-664-11 | FILM | 0.27μF | 5% | 250V | C6617 | 1-126-941-11 | ELECT | 470μF | 20% | 25V |
| C5421 | 1-130-495-00 | MYLAR | 0.1μF | 5% | 50V | C6618 | 1-102-228-00 | CERAMIC | 470pF | 10% | 500V |
| C5422 | 1-126-947-11 | ELECT | 47μF | 20% | 25V | C6619 | 1-102-228-00 | CERAMIC | 470pF | 10% | 500V |
| C5423 | 1-126-947-11 | ELECT | 47μF | 20% | 25V | C6700 | 1-164-227-11 | CERAMIC CHIP | 0.022μF | 10% | 25V |
| C5424 | 1-125-837-91 | CERAMIC CHIP | 1μF | 10% | 6.3V | C6707 | 1-162-318-11 | CERAMIC | 0.001μF | 10% | 500V |
| C5552 | 1-126-964-11 | ELECT | 10μF | 20% | 50V | C6803 | 1-104-658-91 | ELECT | 100μF | 20% | 10V |
| C5553 | 1-126-933-11 | ELECT | 100μF | 20% | 16V | C6804 | 1-126-964-11 | ELECT | 10μF | 20% | 50V |
| C5554 | 1-115-349-51 | CERAMIC | 0.01μF | | 2KV | C8001 | 1-126-964-11 | ELECT | 10μF | 20% | 50V |
| C5600 | 1-100-122-31 | FILM | 0.022μF | 5% | 400V | C8002 | 1-126-964-11 | ELECT | 10μF | 20% | 50V |
| C5601 | 1-100-144-31 | FILM | 0.0068μF | 5% | 630V | C8003 | 1-162-970-11 | CERAMIC CHIP | 0.01μF | 10% | 25V |
| C5604 | 1-100-123-31 | FILM | 0.033μF | 5% | 400V | C8004 | 1-162-964-11 | CERAMIC CHIP | 0.001μF | 10% | 50V |
| C5606 | 1-128-582-11 | ELECT | 10μF | 20% | 100V | C8006 | 1-126-960-11 | ELECT | 1μF | 20% | 50V |
| C5607 | 1-107-666-91 | ELECT | 1μF | 20% | 400V | C8007 | 1-162-964-11 | CERAMIC CHIP | 0.001μF | 10% | 50V |
| C5608 | 1-107-957-11 | ELECT | 1μF | 20% | 250V | C8012 | 1-126-947-11 | ELECT | 47μF | 20% | 25V |
| C5650 | 1-126-947-11 | ELECT | 47μF | 20% | 25V | C8016 | 1-130-495-00 | MYLAR | 0.1μF | 5% | 50V |
| C5652 | 1-126-947-11 | ELECT | 47μF | 20% | 25V | C8017 | 1-126-964-11 | ELECT | 10μF | 20% | 50V |
| C5653 | 1-162-970-11 | CERAMIC CHIP | 0.01μF | 10% | 25V | C8020 | 1-130-495-00 | MYLAR | 0.1μF | 5% | 50V |
| C5655 | 1-162-970-11 | CERAMIC CHIP | 0.01μF | 10% | 25V | C8021 | 1-162-968-11 | CERAMIC CHIP | 0.0047μF | 10% | 50V |
| C5656 | 1-162-970-11 | CERAMIC CHIP | 0.01μF | 10% | 25V | C8024 | 1-126-947-11 | ELECT | 47μF | 20% | 35V |
| C5657 | 1-162-967-11 | CERAMIC CHIP | 0.0033μF | 10% | 50V | C8025 | 1-126-947-11 | ELECT | 47μF | 20% | 25V |
| C5658 | 1-107-826-11 | CERAMIC CHIP | 0.1μF | 10% | 16V | C8027 | 1-130-495-00 | MYLAR | 0.1μF | 5% | 50V |
| C5659 | 1-162-970-11 | CERAMIC CHIP | 0.01μF | 10% | 25V | C8028 | 1-162-966-11 | CERAMIC CHIP | 0.0022μF | 10% | 50V |
| C5660 | 1-107-826-11 | CERAMIC CHIP | 0.1μF | 10% | 16V | C8030 | 1-162-970-11 | CERAMIC CHIP | 0.01μF | 10% | 25V |
| C5661 | 1-162-970-11 | CERAMIC CHIP | 0.01μF | 10% | 25V | C8031 | 1-126-947-11 | ELECT | 47μF | 20% | 25V |
| C5662 | 1-126-947-11 | ELECT | 47μF | 20% | 25V | C8032 | 1-117-160-51 | FILM | 680pF | 2% | 100V |
| C5663 | 1-115-416-11 | CERAMIC CHIP | 0.001μF | 5% | 25V | C8033 | 1-126-964-11 | ELECT | 10μF | 20% | 50V |
| C5702 | 1-162-927-11 | CERAMIC CHIP | 100pF | 5% | 50V | C8035 | 1-100-614-81 | CERAMIC | 330pF | 5% | 1KV |
| C5703 | 1-107-826-11 | CERAMIC CHIP | 0.1μF | 10% | 16V | C8036 | 1-100-614-81 | CERAMIC | 330pF | 5% | 1KV |
| C6400 | 1-162-964-11 | CERAMIC CHIP | 0.001μF | 10% | 50V | C8037 | 1-165-953-11 | FILM | 47000pF | 3% | 800V |
| C6401 | 1-126-964-11 | ELECT | 10μF | 20% | 50V | C8038 | 1-162-970-11 | CERAMIC CHIP | 0.01μF | 10% | 25V |
| C6402 | 1-126-963-11 | ELECT | 4.7μF | 20% | 50V | C8040 | 1-126-969-11 | ELECT | 220μF | 20% | 50V |
| C6403 | 1-126-968-11 | ELECT | 100μF | 20% | 50V | C8041 | 1-130-495-00 | MYLAR | 0.1μF | 5% | 50V |
| C6405 | 1-162-970-11 | CERAMIC CHIP | 0.01μF | 10% | 25V | C8042 | 1-136-189-00 | MYLAR | 0.1μF | 10% | 250V |
| C6406 | 1-136-479-11 | FILM | 0.001μF | 2% | 50V | C8045 | 1-130-471-00 | MYLAR | 0.001μF | 5% | 50V |
| C6407 | 1-130-495-00 | MYLAR | 0.1μF | 5% | 50V | C8046 | 1-162-968-11 | CERAMIC CHIP | 0.0047μF | 10% | 50V |
| C6409 | 1-126-947-11 | ELECT | 47μF | 20% | 25V | | | | | | |
| C6411 | 1-100-613-81 | CERAMIC | 470pF | 5% | 1KV | | | | | | |

| REF. NO. | PART NO. | DESCRIPTION | REMARK |
|----------|--------------|-------------------------|--------|
| C8048 | 1-130-495-00 | MYLAR 0.1μF 5% | 50V |
| C8063 | 1-135-945-22 | FILM 10000pF 3% | 800V |
| C8065 | 1-127-715-91 | CERAMIC CHIP 0.22μF 10% | 16V |
| C8073 | 1-164-315-11 | CERAMIC CHIP 470pF 5% | 50V |
| C8074 | 1-162-970-11 | CERAMIC CHIP 0.01μF 10% | 25V |
| C8075 | 1-162-970-11 | CERAMIC CHIP 0.01μF 10% | 25V |
| C8076 | 1-126-963-11 | ELECT 4.7μF 20% | 50V |
| C8077 | 1-162-970-11 | CERAMIC CHIP 0.01μF 10% | 25V |

< CONNECTOR >

| | | |
|---------|--------------|-------------------------------|
| CN5002* | 1-580-798-11 | CONNECTOR PIN (DY) 6P |
| CN5004* | 1-779-890-11 | CONNECTOR, BOARD TO BOARD 10P |
| CN5005* | 1-779-890-11 | CONNECTOR, BOARD TO BOARD 10P |
| CN5006* | 1-779-890-11 | CONNECTOR, BOARD TO BOARD 10P |
| CN5007* | 1-779-890-11 | CONNECTOR, BOARD TO BOARD 10P |
| CN5012* | 1-564-507-11 | PLUG, CONNECTOR 4P |
| CN5017* | 1-564-509-11 | PLUG, CONNECTOR 6P |
| CN6400* | 1-580-843-11 | PIN, CONNECTOR (POWER) |

< DIODE >

| | | |
|-------|--------------|-------------------|
| D5001 | 8-719-061-21 | DIODE FMQ-G5FMS |
| D5003 | 8-719-081-97 | DIODE MMDL914T1 |
| D5005 | 8-719-081-97 | DIODE MMDL914T1 |
| D5101 | 6-500-021-01 | DIODE MM3Z4V7ST1 |
| D5102 | 8-719-908-03 | DIODE GP08D |
| D5201 | 8-719-110-39 | DIODE RD15ES-B1 |
| D5202 | 8-719-028-45 | DIODE D2L20U |
| D5203 | 8-719-081-97 | DIODE MMDL914T1 |
| D5204 | 8-719-081-97 | DIODE MMDL914T1 |
| D5205 | 8-719-081-97 | DIODE MMDL914T1 |
| D5206 | 8-719-081-97 | DIODE MMDL914T1 |
| D5207 | 8-719-081-97 | DIODE MMDL914T1 |
| D5209 | 8-719-066-11 | DIODE 1PS184-115 |
| D5401 | 8-719-081-97 | DIODE MMDL914T1 |
| D5402 | 8-719-081-97 | DIODE MMDL914T1 |
| D5405 | 8-719-081-97 | DIODE MMDL914T1 |
| D5406 | 8-719-109-63 | DIODE RD3.0ESB2 |
| D5600 | 8-719-052-90 | DIODE D1NL40-TA2 |
| D5601 | 8-719-052-90 | DIODE D1NL40-TA2 |
| D5602 | 8-719-052-90 | DIODE D1NL40-TA2 |
| D5603 | 8-719-110-39 | DIODE RD15ES-B1 |
| D5604 | 8-719-063-70 | DIODE D1NL20U |
| D5605 | 8-719-052-90 | DIODE D1NL40-TA2 |
| D5606 | 8-719-052-90 | DIODE D1NL40-TA2 |
| D5650 | 8-719-081-97 | DIODE MMDL914T1 |
| D5651 | 8-719-081-97 | DIODE MMDL914T1 |
| D5652 | 8-719-062-51 | DIODE 1PS226-115 |
| D5653 | 8-719-082-03 | DIODE MM3Z15VT1 |
| D5701 | 8-719-082-03 | DIODE MM3Z15VT1 |
| D6401 | 8-719-083-78 | DIODE 10ERA60-TP |
| D6406 | 8-719-082-03 | DIODE MM3Z15VT1 |
| D6407 | 8-719-082-03 | DIODE MM3Z15VT1 |
| D6408 | 1-216-864-11 | SHORT CHIP 0 |
| D6409 | 6-500-567-21 | DIODE 10ERB20-TB5 |
| D6410 | 6-500-567-21 | DIODE 10ERB20-TB5 |
| D6411 | 8-719-082-03 | DIODE MM3Z15VT1 |
| D6413 | 8-719-082-03 | DIODE MM3Z15VT1 |
| D6415 | 8-719-082-03 | DIODE MM3Z15VT1 |
| D6502 | 8-719-060-88 | DIODE D4SBS6 |
| D6504 | 8-719-510-13 | DIODE D10SC4MR |
| D6508 | 8-719-062-40 | DIODE D4SBL20μF3 |

| REF. NO. | PART NO. | DESCRIPTION | REMARK |
|------------------|--------------|----------------------|--------|
| D6509 | 8-719-052-90 | DIODE D1NL40-TA2 | |
| D6510 | 8-719-052-37 | DIODE F10P04Q | |
| D6511 | 8-719-074-79 | DIODE YG911S2R | |
| D6601 | 8-719-028-45 | DIODE D2L20U | |
| D6602 | 8-719-028-45 | DIODE D2L20U | |
| D6604 | 8-719-075-66 | DIODE D5LC20U-4012 | |
| D6607 | 8-719-028-45 | DIODE D2L20U | |
| D6608 | 8-719-028-45 | DIODE D2L20U | |
| D6800 | 8-719-150-92 | DIODE RD33EB3T | |
| D6803 | 8-719-081-97 | DIODE MMDL914T1 | |
| D6804 | 6-500-654-01 | DIODE MM3Z3V0T1 | |
| D6805 | 8-719-081-97 | DIODE MMDL914T1 | |
| D8001 | 8-719-081-97 | DIODE MMDL914T1 | |
| D8003 | 8-719-081-97 | DIODE MMDL914T1 | |
| D8005 | 8-719-081-97 | DIODE MMDL914T1 | |
| D8006 | 6-500-567-21 | DIODE 10ERB20-TB5 | |
| D8008 | 8-719-082-03 | DIODE MM3Z15VT1 | |
| D8009 | 8-719-082-03 | DIODE MM3Z15VT1 | |
| D8010 | 8-719-083-78 | DIODE 10ERA60-TP | |
| D8011 | 8-719-082-03 | DIODE MM3Z15VT1 | |
| D8012 | 8-719-082-03 | DIODE MM3Z15VT1 | |
| D8015 | 8-719-081-97 | DIODE MMDL914T1 | |
| D8022 | 8-719-063-73 | DIODE D1NL20U-TR | |
| D8023 | 8-719-070-10 | DIODE NNCD5.1A-T1 | |
| D8024 | 8-719-036-94 | DIODE MM3Z5V6ST1 | |
| D8026 | 8-719-081-97 | DIODE MMDL914T1 | |
| D8027 | 6-500-654-01 | DIODE MM3Z3V0T1 | |
| D8030 | 8-719-056-93 | DIODE UZD-TE-17-18B | |
| D8034 | 8-719-056-83 | DIODE UZD-TE-17-6.8B | |
| D8038 | 8-719-082-03 | DIODE MM3Z15VT1 | |
| D8039 | 8-719-082-03 | DIODE MM3Z15VT1 | |
| D8041 | 8-719-082-03 | DIODE MM3Z15VT1 | |
| < FERRITE BEAD > | | | |
| FB5001 | 1-543-298-11 | FERRITE | 0μH |
| FB5201 | 1-469-578-11 | FERRITE | 1.1μH |
| FB5203 | 1-469-127-21 | FERRITE | 0μH |
| FB5205 | 1-469-578-11 | FERRITE | 1.1μH |
| FB6400 | 1-469-579-11 | FERRITE | 0.45μH |
| FB6401 | 1-469-579-11 | FERRITE | 0.45μH |
| FB6402 | 1-469-579-11 | FERRITE | 0.45μH |
| FB6403 | 1-469-579-11 | FERRITE | 0.45μH |
| FB6500 | 1-469-579-11 | FERRITE | 0.45μH |
| FB6501 | 1-469-579-11 | FERRITE | 0.45μH |
| FB6506 | 1-469-578-11 | FERRITE | 1.1μH |
| FB6507 | 1-469-578-11 | FERRITE | 1.1μH |
| FB6508 | 1-469-578-11 | FERRITE | 1.1μH |
| FB8001 | 1-469-579-11 | FERRITE | 0.45μH |
| FB8002 | 1-469-579-11 | FERRITE | 0.45μH |
| FB8003 | 1-469-579-11 | FERRITE | 0.45μH |
| < IC > | | | |
| IC5101 | 8-759-696-71 | IC STV9379A | |
| IC5201 | 8-759-585-82 | IC BA9759F-E2 | |
| IC5401 | 8-759-700-07 | IC NJM2903M-TE2 | |
| IC5402 | 8-759-803-42 | IC LA6500-FA | |
| IC5403 | 8-759-701-01 | IC NJM2904M | |
| IC5650 | 8-759-701-01 | IC NJM2904M | |
| IC5651 | 8-759-701-01 | IC NJM2904M | |
| IC5652 | 8-759-981-61 | IC NJM2901M | |
| IC6400 | 6-705-810-01 | IC MCZ3001DB | |

| REF. NO. | PART NO. | DESCRIPTION | REMARK | REF. NO. | PART NO. | DESCRIPTION | REMARK |
|----------|--------------|----------------------------|--------|----------|--------------|------------------------------|--------|
| IC6501 | 8-759-518-68 | IC PQ12RF21 | | L6507 | 1-412-537-31 | INDUCTOR 100μH | |
| IC6503 | 6-704-264-01 | IC EK1135 | | L6508 | 1-412-525-31 | INDUCTOR 10μH | |
| IC6602 | 8-749-013-76 | IC PQ6RD83B | | L6513 | 1-456-166-11 | COIL, CHOPPER | |
| IC6801 | 8-749-921-86 | IC SE-140N | | L8002 | 1-428-950-31 | INDUCTOR 125μH | |
| IC8001 | 8-759-700-07 | IC NJM2903M | | | | < PHOTOCOUPLER > | |
| IC8002 | 6-705-810-01 | IC MCZ3001DB | | | | | |
| IC8004 | 8-759-701-01 | IC NJM2904M | | PH6700 | 8-749-016-81 | PHOTOCOUPLER PC123Y22 | |
| IC8005 | 8-759-586-17 | IC TL1431CZ-AP | | PH8003 | 8-749-016-81 | PHOTOCOUPLER PC123Y22 | |
| IC8104 | 8-759-586-17 | IC TL1431CZ-AP | | | | < IC LINK > | |
| | | < JUMPER RESISTOR > | | | | | |
| JR1001 | 1-216-864-11 | SHORT CHIP | 0 | PS6501 | 1-576-688-11 | FUSE 0.4A 32V | |
| JR1002 | 1-216-864-11 | SHORT CHIP | 0 | | | < TRANSISTOR > | |
| JR1003 | 1-216-864-11 | SHORT CHIP | 0 | | | | |
| JR1004 | 1-216-864-11 | SHORT CHIP | 0 | Q5001 | 6-550-077-01 | TRANSISTOR 2SC5778-RB | |
| JR1005 | 1-216-864-11 | SHORT CHIP | 0 | Q5004 | 8-729-010-25 | TRANSISTOR MSD601-RT1 | |
| JR1006 | 1-216-864-11 | SHORT CHIP | 0 | Q5005 | 8-729-010-25 | TRANSISTOR MSD601-RT1 | |
| JR1007 | 1-216-864-11 | SHORT CHIP | 0 | Q5006 | 8-729-038-83 | TRANSISTOR 2SK2251-01-F19 | |
| JR1008 | 1-216-864-11 | SHORT CHIP | 0 | Q5008 | 8-729-010-25 | TRANSISTOR MSD601-RT1 | |
| JR1009 | 1-216-864-11 | SHORT CHIP | 0 | | | | |
| JR1010 | 1-216-864-11 | SHORT CHIP | 0 | Q5009 | 8-729-010-05 | TRANSISTOR MSB709-RT1 | |
| JR1011 | 1-216-864-11 | SHORT CHIP | 0 | Q5101 | 8-729-010-25 | TRANSISTOR MSD601-RT1 | |
| JR1013 | 1-216-864-11 | SHORT CHIP | 0 | Q5102 | 8-729-010-25 | TRANSISTOR MSD601-RT1 | |
| JR1014 | 1-216-864-11 | SHORT CHIP | 0 | Q5103 | 8-729-010-25 | TRANSISTOR MSD601-RT1 | |
| JR1015 | 1-216-864-11 | SHORT CHIP | 0 | Q5201 | 6-550-153-11 | TRANSISTOR FQpF12P20YDTU | |
| JR1016 | 1-216-864-11 | SHORT CHIP | 0 | | | | |
| JR1017 | 1-216-864-11 | SHORT CHIP | 0 | Q5202 | 8-729-010-25 | TRANSISTOR MSD601-RT1 | |
| JR1018 | 1-216-864-11 | SHORT CHIP | 0 | Q5203 | 8-729-010-25 | TRANSISTOR MSD601-RT1 | |
| JR1019 | 1-216-864-11 | SHORT CHIP | 0 | Q5401 | 8-729-010-25 | TRANSISTOR MSD601-RT1 | |
| JR1020 | 1-216-864-11 | SHORT CHIP | 0 | Q5402 | 8-729-010-25 | TRANSISTOR MSD601-RT1 | |
| JR1021 | 1-216-864-11 | SHORT CHIP | 0 | Q5403 | 8-729-010-25 | TRANSISTOR MSD601-RT1 | |
| JR1022 | 1-216-864-11 | SHORT CHIP | 0 | Q5404 | 8-729-048-49 | TRANSISTOR 2SK3262-01MR-F119 | |
| JR1023 | 1-216-864-11 | SHORT CHIP | 0 | Q5405 | 8-729-010-05 | TRANSISTOR MSB709-RT1 | |
| JR1024 | 1-216-864-11 | SHORT CHIP | 0 | Q5406 | 8-729-048-47 | TRANSISTOR 2SC2688(5)-LK | |
| JR1025 | 1-216-864-11 | SHORT CHIP | 0 | Q5407 | 8-729-010-05 | TRANSISTOR MSB709-RT1 | |
| JR1028 | 1-216-864-11 | SHORT CHIP | 0 | Q5522 | 8-729-046-80 | TRANSISTOR 2SC4634LS-CB11 | |
| JR1030 | 1-216-864-11 | SHORT CHIP | 0 | | | | |
| JR1031 | 1-216-864-11 | SHORT CHIP | 0 | Q5600 | 8-729-050-48 | TRANSISTOR IRF614-005 | |
| JR1032 | 1-216-864-11 | SHORT CHIP | 0 | Q5602 | 8-729-010-25 | TRANSISTOR MSD601-RT1 | |
| JR1034 | 1-216-864-11 | SHORT CHIP | 0 | Q5604 | 8-729-800-32 | TRANSISTOR 2SC2362K-G | |
| JR1036 | 1-216-864-11 | SHORT CHIP | 0 | Q5605 | 8-729-010-25 | TRANSISTOR MSD601-RT1 | |
| JR5402 | 1-216-864-11 | SHORT CHIP | 0 | Q5606 | 8-729-045-65 | TRANSISTOR 2SA1776TV2Q | |
| JR5404 | 1-216-864-11 | SHORT CHIP | 0 | | | | |
| JR5407 | 1-216-864-11 | SHORT CHIP | 0 | Q5650 | 8-729-010-25 | TRANSISTOR MSD601-RT1 | |
| JR6501 | 1-216-864-11 | SHORT CHIP | 0 | Q5701 | 8-729-010-25 | TRANSISTOR MSD601-RT1 | |
| JR6502 | 1-216-864-11 | SHORT CHIP | 0 | Q5702 | 8-729-010-05 | TRANSISTOR MSB709-RT1 | |
| JR6503 | 1-216-864-11 | SHORT CHIP | 0 | Q5703 | 8-729-010-05 | TRANSISTOR MSB709-RT1 | |
| JR6504 | 1-216-864-11 | SHORT CHIP | 0 | Q6400 | 6-550-526-11 | TRANSISTOR 2SK2842(LBS2SONY) | |
| JR6602 | 1-216-864-11 | SHORT CHIP | 0 | | | | |
| JR6702 | 1-216-864-11 | SHORT CHIP | 0 | Q6401 | 6-550-526-11 | TRANSISTOR 2SK2842(LBS2SONY) | |
| | | < COIL > | | Q6802 | 8-729-010-05 | TRANSISTOR MSB709-RT1 | |
| L5101 | 1-406-665-11 | INDUCTOR 100μH | | Q6803 | 8-729-019-57 | TRANSISTOR 2SA1208S-TP | |
| L5202 | 1-414-189-31 | INDUCTOR 100μH | | Q8003 | 8-729-010-25 | TRANSISTOR MSD601-RT1 | |
| L5403 | 1-424-997-11 | COIL, HORIZONTAL LINEARITY | | Q8004 | 8-729-010-25 | TRANSISTOR MSD601-RT1 | |
| L5404 | 1-428-932-11 | INDUCTOR 4mH | | | | | |
| L5600 | 1-406-667-11 | INDUCTOR 220μH | | Q8007 | 8-729-010-25 | TRANSISTOR MSD601-RT1 | |
| L6400 | 1-414-187-11 | INDUCTOR 47μH | | Q8009 | 8-729-010-25 | TRANSISTOR MSD601-RT1 | |
| L6503 | 1-412-525-31 | INDUCTOR 10μH | | Q8011 | 8-729-010-05 | TRANSISTOR MSB709-RT1 | |
| L6504 | 1-412-525-31 | INDUCTOR 10μH | | Q8013 | 6-550-526-11 | TRANSISTOR 2SK2842(LBS2SONY) | |
| L6505 | 1-406-668-21 | INDUCTOR 330μH | | Q8014 | 6-550-526-11 | TRANSISTOR 2SK2842(LBS2SONY) | |
| | | | | Q8021 | 8-729-010-05 | TRANSISTOR MSB709-RT1 | |
| | | | | Q8028 | 8-729-421-22 | TRANSISTOR UN2211-TX | |
| | | | | Q8034 | 8-729-421-22 | TRANSISTOR UN2211-TX | |
| | | | | Q8035 | 8-729-010-05 | TRANSISTOR MSB709-RT1 | |

| REF. NO. | PART NO. | DESCRIPTION | REMARK |
|--------------|--------------|------------------|------------|
| < RESISTOR > | | | |
| R5001 | 1-243-608-71 | METAL OXIDE 1.5K | 5% 3W |
| R5002 | 1-243-608-71 | METAL OXIDE 1.5K | 5% 3W |
| R5003 | 1-215-915-21 | METAL OXIDE 470 | 5% 3W |
| R5013 | 1-243-949-71 | METAL OXIDE 0.47 | 5% 2W |
| R5014 | 1-243-949-71 | METAL OXIDE 0.47 | 5% 2W |
| R5017 | 1-215-880-00 | METAL OXIDE 10 | 5% 2W |
| R5019 | 1-216-829-11 | METAL CHIP 4.7K | 5% 1/10W |
| R5020 | 1-216-829-11 | METAL CHIP 4.7K | 5% 1/10W |
| R5021 | 1-216-809-11 | METAL CHIP 100 | 5% 1/10W |
| R5023 | 1-216-821-11 | METAL CHIP 1K | 5% 1/10W |
| R5024 | 1-216-833-11 | METAL CHIP 10K | 5% 1/10W |
| R5025 | 1-216-809-11 | METAL CHIP 100 | 5% 1/10W |
| R5028 | 1-216-821-11 | METAL CHIP 1K | 5% 1/10W |
| R5029 | 1-216-833-11 | METAL CHIP 10K | 5% 1/10W |
| R5031 | 1-249-393-11 | CARBON 10 | 5% 1/4W |
| R5032 | 1-216-841-11 | METAL CHIP 47K | 5% 1/10W |
| R5101 | 1-216-845-11 | METAL CHIP 100K | 5% 1/10W |
| R5102 | 1-216-841-11 | METAL CHIP 47K | 5% 1/10W |
| R5103 | 1-216-833-11 | METAL CHIP 10K | 5% 1/10W |
| R5104 | 1-216-833-11 | METAL CHIP 10K | 5% 1/10W |
| R5106 | 1-216-833-11 | METAL CHIP 10K | 5% 1/10W |
| R5107 | 1-218-865-11 | METAL CHIP 5.6K | 0.5% 1/10W |
| R5108 | 1-218-865-11 | METAL CHIP 5.6K | 0.5% 1/10W |
| R5109 | 1-216-833-11 | METAL CHIP 10K | 5% 1/10W |
| R5110 | 1-216-833-11 | METAL CHIP 10K | 5% 1/10W |
| R5111 | 1-249-383-11 | CARBON 1.5 | 5% 1/4W |
| R5112 | 1-218-865-11 | METAL CHIP 5.6K | 0.5% 1/10W |
| R5113 | 1-218-865-11 | METAL CHIP 5.6K | 0.5% 1/10W |
| R5115 | 1-218-863-11 | METAL CHIP 4.7K | 0.5% 1/10W |
| R5116 | 1-218-863-11 | METAL CHIP 4.7K | 0.5% 1/10W |
| R5117 | 1-214-798-21 | METAL 1.8 | 1% 1/2W |
| R5118 | 1-214-796-00 | METAL 1.5 | 1% 1/2W |
| R5119 | 1-243-572-71 | METAL OXIDE 470 | 5% 2W |
| R5120 | 1-243-572-71 | METAL OXIDE 470 | 5% 2W |
| R5121 | 1-249-414-11 | CARBON 560 | 5% 1/4W |
| R5201 | 1-218-879-11 | METAL CHIP 22K | 0.5% 1/10W |
| R5202 | 1-218-879-11 | METAL CHIP 22K | 0.5% 1/10W |
| R5206 | 1-249-425-11 | CARBON 4.7K | 5% 1/4W |
| R5207 | 1-218-891-11 | METAL CHIP 68K | 0.5% 1/10W |
| R5208 | 1-249-409-11 | CARBON 220 | 5% 1/4W |
| R5209 | 1-216-864-11 | SHORT CHIP 0 | |
| R5210 | 1-216-845-11 | METAL CHIP 100K | 5% 1/10W |
| R5211 | 1-218-895-11 | METAL CHIP 100K | 0.5% 1/10W |
| R5213 | 1-216-845-11 | METAL CHIP 100K | 5% 1/10W |
| R5214 | 1-216-845-11 | METAL CHIP 100K | 5% 1/10W |
| R5215 | 1-216-845-11 | METAL CHIP 100K | 5% 1/10W |
| R5216 | 1-216-833-11 | METAL CHIP 10K | 5% 1/10W |
| R5217 | 1-218-867-11 | METAL CHIP 6.8K | 0.5% 1/10W |
| R5218 | 1-216-857-11 | METAL CHIP 1M | 5% 1/10W |
| R5221 | 1-218-891-11 | METAL CHIP 68K | 0.5% 1/10W |
| R5223 | 1-218-891-11 | METAL CHIP 68K | 0.5% 1/10W |
| R5227 | 1-216-821-11 | METAL CHIP 1K | 5% 1/10W |
| R5229 | 1-216-864-11 | SHORT CHIP 0 | |
| R5231 | 1-216-839-11 | METAL CHIP 33K | 5% 1/10W |
| R5233 | 1-216-825-11 | METAL CHIP 2.2K | 5% 1/10W |
| R5235 | 1-216-825-11 | METAL CHIP 2.2K | 5% 1/10W |
| R5239 | 1-218-895-11 | METAL CHIP 100K | 0.5% 1/10W |
| R5241 | 1-216-821-11 | METAL CHIP 1K | 5% 1/10W |
| R5243 | 1-216-843-11 | METAL CHIP 68K | 5% 1/10W |
| R5245 | 1-216-833-11 | METAL CHIP 10K | 5% 1/10W |
| R5247 | 1-216-829-11 | METAL CHIP 4.7K | 5% 1/10W |

| REF. NO. | PART NO. | DESCRIPTION | REMARK |
|----------|--------------|------------------|------------|
| R5249 | 1-216-837-11 | METAL CHIP 22K | 5% 1/10W |
| R5251 | 1-218-891-11 | METAL CHIP 68K | 0.5% 1/10W |
| R5252 | 1-218-891-11 | METAL CHIP 68K | 0.5% 1/10W |
| R5401 | 1-216-833-11 | METAL CHIP 10K | 5% 1/10W |
| R5402 | 1-216-827-11 | METAL CHIP 3.3K | 5% 1/10W |
| R5403 | 1-216-841-11 | METAL CHIP 47K | 5% 1/10W |
| R5404 | 1-216-829-11 | METAL CHIP 4.7K | 5% 1/10W |
| R5405 | 1-216-813-11 | METAL CHIP 220 | 5% 1/10W |
| R5406 | 1-218-863-11 | METAL CHIP 4.7K | 0.5% 1/10W |
| R5407 | 1-218-855-11 | METAL CHIP 2.2K | 0.5% 1/10W |
| R5408 | 1-216-829-11 | METAL CHIP 4.7K | 5% 1/10W |
| R5409 | 1-218-847-11 | METAL CHIP 1K | 0.5% 1/10W |
| R5410 | 1-249-393-11 | CARBON 10 | 5% 1/4W |
| R5411 | 1-216-809-11 | METAL CHIP 100 | 5% 1/10W |
| R5412 | 1-249-437-11 | CARBON 47K | 5% 1/4W |
| R5413 | 1-249-401-11 | CARBON 47 | 5% 1/4W |
| R5415 | 1-215-888-00 | METAL OXIDE 220 | 5% 2W |
| R5419 | 1-216-853-11 | METAL CHIP 470K | 5% 1/10W |
| R5420 | 1-216-821-11 | METAL CHIP 1K | 5% 1/10W |
| R5421 | 1-216-833-11 | METAL CHIP 10K | 5% 1/10W |
| R5422 | 1-218-879-11 | METAL CHIP 22K | 0.5% 1/10W |
| R5423 | 1-216-829-11 | METAL CHIP 4.7K | 5% 1/10W |
| R5424 | 1-216-389-11 | METAL OXIDE 1 | 5% 3W |
| R5426 | 1-216-829-11 | METAL CHIP 4.7K | 5% 1/10W |
| R5428 | 1-216-829-11 | METAL CHIP 4.7K | 5% 1/10W |
| R5429 | 1-216-845-11 | METAL CHIP 100K | 5% 1/10W |
| R5430 | 1-216-825-11 | METAL CHIP 2.2K | 5% 1/10W |
| R5431 | 1-216-833-11 | METAL CHIP 10K | 5% 1/10W |
| R5432 | 1-216-809-11 | METAL CHIP 100 | 5% 1/10W |
| R5433 | 1-216-833-11 | METAL CHIP 10K | 5% 1/10W |
| R5434 | 1-216-835-11 | METAL CHIP 15K | 5% 1/10W |
| R5436 | 1-249-389-11 | CARBON 4.7 | 5% 1/4W |
| R5437 | 1-218-881-11 | METAL CHIP 27K | 0.5% 1/10W |
| R5438 | 1-216-829-11 | METAL CHIP 4.7K | 5% 1/10W |
| R5439 | 1-218-883-11 | METAL CHIP 33K | 0.5% 1/10W |
| R5440 | 1-218-903-11 | METAL CHIP 220K | 0.5% 1/10W |
| R5441 | 1-218-871-11 | METAL CHIP 10K | 0.5% 1/10W |
| R5573 | 1-216-864-11 | SHORT CHIP 0 | |
| R5581 | 1-218-871-11 | METAL CHIP 10K | 0.5% 1/10W |
| R5582 | 1-218-861-11 | METAL CHIP 3.9K | 0.5% 1/10W |
| R5584 | 1-243-594-71 | METAL OXIDE 33K | 5% 2W |
| R5585 | 1-243-598-71 | METAL OXIDE 68K | 5% 2W |
| R5586 | 1-218-855-11 | METAL CHIP 2.2K | 0.5% 1/10W |
| R5587 | 1-260-328-11 | CARBON 1K | 5% 1/2W |
| R5607 | 1-249-441-11 | CARBON 100K | 5% 1/4W |
| R5608 | 1-249-441-11 | CARBON 100K | 5% 1/4W |
| R5609 | 1-249-441-11 | CARBON 100K | 5% 1/4W |
| R5610 | 1-216-833-11 | METAL CHIP 10K | 5% 1/10W |
| R5613 | 1-216-833-11 | METAL CHIP 10K | 5% 1/10W |
| R5614 | 1-249-401-11 | CARBON 47 | 5% 1/4W |
| R5617 | 1-216-837-11 | METAL CHIP 22K | 5% 1/10W |
| R5619 | 1-216-821-11 | METAL CHIP 1K | 5% 1/10W |
| R5620 | 1-216-845-11 | METAL CHIP 100K | 5% 1/10W |
| R5621 | 1-218-867-11 | METAL CHIP 6.8K | 5% 1/10W |
| R5622 | 1-216-839-11 | METAL CHIP 33K | 5% 1/10W |
| R5623 | 1-216-839-11 | METAL CHIP 33K | 5% 1/10W |
| R5624 | 1-216-845-11 | METAL CHIP 100K | 5% 1/10W |
| R5625 | 1-216-845-11 | METAL CHIP 100K | 5% 1/10W |
| R5626 | 1-216-843-11 | METAL CHIP 68K | 5% 1/10W |
| R5627 | 1-243-610-71 | METAL OXIDE 2.2K | 5% 3W |
| R5628 | 1-243-610-71 | METAL OXIDE 2.2K | 5% 3W |
| R5629 | 1-243-610-71 | METAL OXIDE 2.2K | 5% 3W |
| R5630 | 1-216-809-11 | METAL CHIP 100 | 5% 1/10W |

The components identified by shading and mark Δ are critical for safety.
Replace only with part number specified.



| REF. NO. | PART NO. | DESCRIPTION | | REMARK | REF. NO. | PART NO. | DESCRIPTION | | REMARK | |
|----------|--------------|-------------|------|--------|----------|----------------|--------------|-------------|-----------|-------|
| R5631 | 1-260-292-11 | CARBON | 1 | 5% | 1/2W | R6429 | 1-245-478-21 | METAL | 470K 1% | 1/4W |
| R5632 | 1-218-901-11 | METAL CHIP | 180K | 0.5% | 1/10W | R6500 | 1-216-833-11 | METAL CHIP | 10K 5% | 1/10W |
| R5633 | 1-218-887-11 | METAL CHIP | 47K | 0.5% | 1/10W | R6501 | 1-216-833-11 | METAL CHIP | 10K 5% | 1/10W |
| R5634 | 1-218-871-11 | METAL CHIP | 10K | 0.5% | 1/10W | R6503 | 1-243-588-71 | METAL OXIDE | 10K 5% | 2W |
| R5635 | 1-218-855-11 | METAL CHIP | 2.2K | 0.5% | 1/10W | R6504 | 1-260-298-51 | CARBON | 3.3 5% | 1/2W |
| R5636 | 1-249-377-11 | CARBON | 0.47 | 5% | 1/4W | R6512 | 1-249-381-11 | CARBON | 1 5% | 1/4W |
| R5651 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W | R6590 | 1-249-409-11 | CARBON | 220 5% | 1/4W |
| R5652 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W | R6601 | 1-249-379-11 | CARBON | 0.68 5% | 1/4W |
| R5653 | 1-249-377-11 | CARBON | 0.47 | 5% | 1/4W | R6602 | 1-249-380-11 | CARBON | 0.82 5% | 1/4W |
| R5654 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W | R6604 | 1-249-377-11 | CARBON | 0.47 5% | 1/4W |
| R5655 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W | R6605 | 1-249-377-11 | CARBON | 0.47 5% | 1/4W |
| R5656 | 1-218-895-11 | METAL CHIP | 100K | 0.5% | 1/10W | R6613 | 1-260-288-11 | CARBON | 0.47 5% | 1/2W |
| R5657 | 1-218-895-11 | METAL CHIP | 100K | 0.5% | 1/10W | R6614 | 1-260-288-11 | CARBON | 0.47 5% | 1/2W |
| R5658 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W | R6700 | 1-216-817-11 | METAL CHIP | 470 5% | 1/10W |
| R5659 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W | R6702 | 1-216-821-11 | METAL CHIP | 1K 5% | 1/10W |
| R5660 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W | R6703 | 1-218-484-11 | METAL CHIP | 750 5% | 1/10W |
| R5661 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W | R6704 | 1-218-484-11 | METAL CHIP | 750 5% | 1/10W |
| R5662 | 1-216-829-11 | METAL CHIP | 4.7K | 5% | 1/10W | R6705 | 1-216-833-11 | METAL CHIP | 10K 5% | 1/10W |
| R5663 | 1-216-829-11 | METAL CHIP | 4.7K | 5% | 1/10W | R6708 | 1-216-864-11 | SHORT CHIP | 0 | |
| R5664 | 1-218-889-11 | METAL CHIP | 56K | 0.5% | 1/10W | R6809 | 1-249-417-11 | CARBON | 1K 5% | 1/4W |
| R5665 | 1-218-895-11 | METAL CHIP | 100K | 0.5% | 1/10W | R6810 | 1-216-821-11 | METAL CHIP | 1K 5% | 1/10W |
| R5666 | 1-218-887-11 | METAL CHIP | 47K | 0.5% | 1/10W | R6811 | 1-216-825-11 | METAL CHIP | 2.2K 5% | 1/10W |
| R5667 | 1-218-891-11 | METAL CHIP | 68K | 0.5% | 1/10W | R6812 | 1-243-511-71 | METAL OXIDE | 2.2 5% | 3W |
| R5668 | 1-216-853-11 | METAL CHIP | 470K | 5% | 1/10W | R6813 | 1-216-833-11 | METAL CHIP | 10K 5% | 1/10W |
| R5670 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W | R6814 | 1-218-851-11 | METAL CHIP | 1.5K 0.5% | 1/10W |
| R5671 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W | R6815 | 1-216-837-11 | METAL CHIP | 22K 5% | 1/10W |
| R5672 | 1-216-839-11 | METAL CHIP | 33K | 5% | 1/10W | R6816 | 1-216-846-11 | METAL CHIP | 120K 5% | 1/10W |
| R5673 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W | R6817 | 1-216-846-11 | METAL CHIP | 120K 5% | 1/10W |
| R5674 | 1-218-875-11 | METAL CHIP | 15K | 0.5% | 1/10W | R6818 | 1-245-471-21 | METAL | 240K 1% | 1/4W |
| R5675 | 1-218-867-11 | METAL CHIP | 6.8K | 0.5% | 1/10W | R6821 | 1-245-471-21 | METAL | 240K 1% | 1/4W |
| R5676 | 1-218-871-11 | METAL CHIP | 10K | 0.5% | 1/10W | R8001 | 1-219-512-11 | METAL | 2.2M 5% | 1/2W |
| R5677 | 1-216-837-11 | METAL CHIP | 22K | 5% | 1/10W | R8002 | 1-219-512-11 | METAL | 2.2M 5% | 1/2W |
| R5678 | 1-216-829-11 | METAL CHIP | 4.7K | 5% | 1/10W | R8003 | 1-216-839-11 | METAL CHIP | 33K 5% | 1/10W |
| R5679 | 1-216-829-11 | METAL CHIP | 4.7K | 5% | 1/10W | R8004 | 1-216-829-11 | METAL CHIP | 4.7K 5% | 1/10W |
| R5680 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W | R8005 | 1-216-837-11 | METAL CHIP | 22K 5% | 1/10W |
| R5681 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W | R8008 | 1-218-877-11 | METAL CHIP | 18K 0.5% | 1/10W |
| R5683 | 1-218-859-11 | METAL CHIP | 3.3K | 0.5% | 1/10W | R8010 | 1-218-484-11 | METAL CHIP | 750 5% | 1/10W |
| R5685 | 1-218-871-11 | METAL CHIP | 10K | 0.5% | 1/10W | R8011 | 1-216-849-11 | METAL CHIP | 220K 5% | 1/10W |
| R5701 | 1-260-107-11 | CARBON | 4.7K | 5% | 1/2W | R8012 | 1-247-828-11 | CARBON | 750 5% | 1/4W |
| R5702 | 1-216-830-11 | METAL CHIP | 5.6K | 5% | 1/10W | R8013 | 1-216-833-11 | METAL CHIP | 10K 5% | 1/10W |
| R5704 | 1-216-828-11 | METAL CHIP | 3.9K | 5% | 1/10W | R8014 | 1-218-847-11 | METAL CHIP | 1K 0.5% | 1/10W |
| R5706 | 1-216-828-11 | METAL CHIP | 3.9K | 5% | 1/10W | R8015 | 1-218-855-11 | METAL CHIP | 2.2K 0.5% | 1/10W |
| R5708 | 1-216-828-11 | METAL CHIP | 3.9K | 5% | 1/10W | R8016 | 1-247-843-11 | CARBON | 3.3K 5% | 1/4W |
| R5709 | 1-216-813-11 | METAL CHIP | 220 | 5% | 1/10W | R8017 | 1-218-857-11 | METAL CHIP | 2.7K 0.5% | 1/10W |
| R5710 | 1-249-377-11 | CARBON | 0.47 | 5% | 1/4W | R8019 | 1-218-875-11 | METAL CHIP | 15K 0.5% | 1/10W |
| R6402 | 1-218-870-11 | METAL CHIP | 9.1K | 0.5% | 1/10W | R8020 | 1-216-833-11 | METAL CHIP | 10K 5% | 1/10W |
| R6405 | 1-218-823-11 | METAL CHIP | 100 | 0.5% | 1/10W | R8022 | 1-216-833-11 | METAL CHIP | 10K 5% | 1/10W |
| R6406 | 1-245-478-21 | METAL | 470K | 1% | 1/4W | R8025 | 1-216-821-11 | METAL CHIP | 1K 5% | 1/10W |
| R6407 | 1-218-875-11 | METAL CHIP | 15K | 0.5% | 1/10W | R8026 | 1-218-853-11 | METAL CHIP | 1.8K 0.5% | 1/10W |
| R6409 | 1-218-830-11 | METAL CHIP | 200 | 0.5% | 1/10W | R8027 | 1-218-891-11 | METAL CHIP | 68K 0.5% | 1/10W |
| R6410 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W | R8028 | 1-218-865-11 | METAL CHIP | 5.6K 0.5% | 1/10W |
| R6411 | 1-249-393-11 | CARBON | 10 | 5% | 1/4W | R8030 | 1-218-895-11 | METAL CHIP | 100K 0.5% | 1/10W |
| R6412 | 1-249-393-11 | CARBON | 10 | 5% | 1/4W | R8033 | 1-216-829-11 | METAL CHIP | 4.7K 5% | 1/10W |
| R6413 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W | R8035 Δ | 1-218-861-11 | METAL CHIP | 3.9K 0.5% | 1/10W |
| R6414 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W | R8036 | 1-215-419-00 | METAL | 820 1% | 1/4W |
| R6417 | 1-245-315-71 | METAL OXIDE | 0.1 | 5% | 2W | R8037 Δ | 1-215-447-00 | METAL | 12K 1% | 1/4W |
| R6418 | 1-245-315-71 | METAL OXIDE | 0.1 | 5% | 2W | R8038 Δ | 1-215-449-00 | METAL | 15K 1% | 1/4W |
| R6419 | 1-249-393-11 | CARBON | 10 | 5% | 1/4W | R8039 Δ | 1-215-449-00 | METAL | 15K 1% | 1/4W |
| R6420 | 1-249-393-11 | CARBON | 10 | 5% | 1/4W | R8040 Δ | 1-215-432-00 | METAL | 3K 1% | 1/4W |
| R6421 | 1-202-933-61 | FUSIBLE | 0.1 | 10% | 1/2W | R8041 | 1-216-864-11 | SHORT CHIP | 0 | |
| R6427 | 1-216-857-11 | METAL CHIP | 1M | 5% | 1/10W | R8043 Δ | 1-215-447-00 | METAL | 12K 1% | 1/4W |
| R6428 | 1-216-857-11 | METAL CHIP | 1M | 5% | 1/10W | R8046 Δ | 1-218-855-11 | METAL CHIP | 2.2K 0.5% | 1/10W |
| | | | | | | R8049 | 1-218-823-11 | METAL CHIP | 100 0.5% | 1/10W |

• The components identified by **▶** in this manual have been carefully factory-selected for each set in order to satisfy regulations regarding X-ray radiation. Should replacement be required, replace only with the value originally used.

The components identified by shading and mark **△** are critical for safety. Replace only with part number specified.

| REF. NO. | PART NO. | DESCRIPTION | REMARK |
|--------------------------|--------------|--------------------------------|-----------------|
| R8050 | 1-211-979-11 | METAL CHIP | 27 0.5% 1/10W |
| R8051 | 1-202-933-61 | FUSIBLE | 0.1 10% 1/2W |
| R8052 △ | 1-218-893-11 | METAL CHIP | 82K 0.5% 1/10W |
| R8054 | 1-245-478-21 | METAL | 470K 1% 1/4W |
| R8055 | 1-245-478-21 | METAL | 470K 1% 1/4W |
| R8056 | 1-218-870-11 | METAL CHIP | 9.1K 0.5% 1/10W |
| R8057 | 1-218-874-11 | METAL CHIP | 13K 0.5% 1/10W |
| R8058 | 1-249-393-11 | CARBON | 10 5% 1/4W |
| R8059 | 1-216-864-11 | SHORT CHIP | 0 |
| R8060 | 1-218-839-11 | METAL CHIP | 470 0.5% 1/10W |
| R8061 | 1-249-393-11 | CARBON | 10 5% 1/4W |
| R8062 | 1-216-833-11 | METAL CHIP | 10K 5% 1/10W |
| R8063 | 1-216-833-11 | METAL CHIP | 10K 5% 1/10W |
| R8066 | 1-216-821-11 | METAL CHIP | 1K 5% 1/10W |
| R8070 | 1-245-315-71 | METAL OXIDE | 0.1 5% 2W |
| R8072 | 1-249-377-11 | CARBON | 0.47 5% 1/4W |
| R8073 | 1-216-857-11 | METAL CHIP | 1M 5% 1/10W |
| R8074 | 1-216-857-11 | METAL CHIP | 1M 5% 1/10W |
| R8076 | 1-249-411-11 | CARBON | 330 5% 1/4W |
| R8078 △ | 1-218-895-11 | METAL CHIP | 100K 0.5% 1/10W |
| R8079 | 1-215-449-00 | METAL | 15K 1% 1/4W |
| R8082 | 1-216-863-11 | METAL CHIP | 3.3M 5% 1/10W |
| R8085 | 1-219-749-91 | METAL | 10K 5% 1/2W |
| R8086 | 1-219-750-91 | METAL | 22K 5% 1/2W |
| R8088 | 1-216-833-11 | METAL CHIP | 10K 5% 1/10W |
| R8089 | 1-216-845-11 | METAL CHIP | 100K 5% 1/10W |
| R8090 | 1-216-833-11 | METAL CHIP | 10K 5% 1/10W |
| R8091 | 1-215-485-00 | METAL | 470K 1% 1/4W |
| R8092 | 1-249-377-11 | CARBON | 0.47 5% 1/4W |
| R8093 | 1-216-833-11 | METAL CHIP | 10K 5% 1/10W |
| R8095 | 1-215-485-00 | METAL | 470K 1% 1/4W |
| R8096 | 1-216-864-11 | SHORT CHIP | 0 |
| R8097 | 1-216-797-11 | METAL CHIP | 10 5% 1/10W |
| R8144 | 1-216-849-11 | METAL CHIP | 220K 5% 1/10W |
| R8145 | 1-216-841-11 | METAL CHIP | 47K 5% 1/10W |
| R8146 | 1-216-821-11 | METAL CHIP | 1K 5% 1/10W |
| R8158 | 1-216-809-11 | METAL CHIP | 100 5% 1/10W |
| R8159 | 1-216-835-11 | METAL CHIP | 15K 5% 1/10W |
| R8160 | 1-216-853-11 | METAL CHIP | 470K 5% 1/10W |
| R8161 | 1-216-833-11 | METAL CHIP | 10K 5% 1/10W |
| R8165 △ | 1-218-897-11 | METAL CHIP | 120K 0.5% 1/10W |
| R8166 | 1-216-809-11 | METAL CHIP | 100 5% 1/10W |
| < VARIABLE RESISTOR > | | | |
| ▶ RV8002 △ | 1-225-627-91 | RES, VAR, ADJ, CERMET 2K (HV) | |
| < SPARK GAP > | | | |
| SG8002 | 1-517-499-21 | GAP, SPARK | |
| < TRANSFORMER > | | | |
| T5001 | 1-435-636-31 | TRANSFORMER, HORIZONTAL DRIVE | |
| T5200 | 1-439-823-11 | TRANSFORMER, HORIZONTAL OUTPUT | |
| T5600 | 1-437-942-21 | DYNAMIC FOCUS TRANSFORMER(DFT) | |
| T6400 | 1-439-820-21 | TRANSFORMER, CONVERTER (PIT) | |
| T8001 △ | 1-453-445-21 | FBT ASSY NX-6020/M3B4 | |
| < THERMISTOR > | | | |
| TH5101 | 1-800-193-00 | THERMISTOR | |

| REF. NO. | PART NO. | DESCRIPTION | REMARK |
|-----------------------------------|--------------|----------------------------------|--------------|
| TH5401 | 1-807-796-11 | THERMISTOR | |
| ***** | | | |
| * A-1405-650-A H3 BOARD, COMPLETE | | | |
| ***** | | | |
| < CAPACITOR > | | | |
| C1003 | 1-126-964-11 | ELECT | 10μF 20% 50V |
| C1004 | 1-126-964-11 | ELECT | 10μF 20% 50V |
| C1005 | 1-136-497-81 | FILM | 0.1μF 5% 50V |
| < CONNECTOR > | | | |
| CN1001* | 1-764-333-11 | PLUG, CONNECTOR 10P | |
| CN1002* | 1-564-508-11 | PLUG, CONNECTOR 5P | |
| CN1003* | 1-564-506-11 | PLUG, CONNECTOR 3P | |
| < DIODE > | | | |
| D1000 | 8-719-050-84 | DIODE RB441Q-40T-77 | |
| D1001 | 8-719-050-84 | DIODE RB441Q-40T-77 | |
| < IC > | | | |
| IC1001 | 8-759-700-42 | IC NJM2904D | |
| < RESISTOR > | | | |
| R1004 | 1-249-413-11 | CARBON | 470 5% 1/4W |
| R1005 | 1-249-415-11 | CARBON | 680 5% 1/4W |
| R1006 | 1-249-417-11 | CARBON | 1K 5% 1/4W |
| R1007 | 1-249-421-11 | CARBON | 2.2K 5% 1/4W |
| R1008 | 1-249-425-11 | CARBON | 4.7K 5% 1/4W |
| R1009 | 1-249-413-11 | CARBON | 470 5% 1/4W |
| R1010 | 1-249-415-11 | CARBON | 680 5% 1/4W |
| R1011 | 1-249-417-11 | CARBON | 1K 5% 1/4W |
| R1012 | 1-249-421-11 | CARBON | 2.2K 5% 1/4W |
| R1013 | 1-249-425-11 | CARBON | 4.7K 5% 1/4W |
| R1014 | 1-247-891-00 | CARBON | 330K 5% 1/4W |
| R1015 | 1-247-897-11 | CARBON | 560K 5% 1/4W |
| R1016 | 1-215-439-00 | METAL | 5.6K 1% 1/4W |
| R1017 | 1-249-441-11 | CARBON | 100K 5% 1/4W |
| R1018 | 1-249-429-11 | CARBON | 10K 5% 1/4W |
| < SWITCH > | | | |
| S1001 | 1-762-837-11 | SWITCH, TACTILE (VOL +/-) | |
| S1002 | 1-762-837-11 | SWITCH, TACTILE (PROG +/-) | |
| S1003 | 1-692-431-21 | SWITCH, TACTILE (TV/VIDEO) | |
| S1004 | 1-762-837-11 | SWITCH, TACTILE (SELECT) | |
| S1005 | 1-692-431-21 | SWITCH, TACTILE (RIGHT) | |
| S1006 | 1-762-837-11 | SWITCH, TACTILE (UP/DOWN) | |
| S1007 | 1-692-431-21 | SWITCH, TACTILE (LEFT) | |
| S1008 | 1-762-837-11 | SWITCH, TACTILE (AUTO PROG/MENU) | |
| < THERMISTOR > | | | |
| TH1001 | 1-807-796-11 | THERMISTOR | |
| ***** | | | |

电话: 0516-2951707

The components identified by shading and mark Δ are critical for safety. Replace only with part number specified.

H4

H5

MG

| REF. NO. | PART NO. | DESCRIPTION | REMARK |
|--|-----------------------|-------------------------|--------------------|
| * A-1405-651-A H4 BOARD, COMPLETE ***** | | | |
| * 4-055-304-11 HOLDER, LED | | | |
| < CAPACITOR > | | | |
| C1051 | 1-126-947-11 | ELECT | 47 μ F 20% 25V |
| C1052 | 1-136-497-81 | FILM | 0.1 μ F 5% 50V |
| C1055 | 1-102-824-00 | CERAMIC | 470pF 5% 50V |
| C1056 | 1-126-947-11 | ELECT | 47 μ F 20% 25V |
| < CONNECTOR > | | | |
| CN1052* | 1-564-508-11 | PLUG, CONNECTOR 5P | |
| CN1054* | 1-580-844-11 | PIN, CONNECTOR (POWER) | |
| CN1055* | 1-580-844-11 | PIN, CONNECTOR (POWER) | |
| < DIODE > | | | |
| D1056 | 8-719-109-66 | DIODE RD3.3ES-B2 | |
| D1057 | 8-719-083-18 | DIODE SPB-25MVWF | |
| < IC > | | | |
| IC1051 | 6-704-532-01 | IC RPM7240-SH5 | |
| < TRANSISTOR > | | | |
| Q1053 | 8-729-030-02 | TRANSISTOR DTC144ESA | |
| Q1054 | 8-729-030-02 | TRANSISTOR DTC144ESA | |
| < RESISTOR > | | | |
| R1054 | 1-247-807-31 | CARBON | 100 5% 1/4W |
| R1055 | 1-249-413-11 | CARBON | 470 5% 1/4W |
| R1059 | 1-249-411-11 | CARBON | 330 5% 1/4W |
| R1060 | 1-247-807-31 | CARBON | 100 5% 1/4W |
| R1061 | 1-249-411-11 | CARBON | 330 5% 1/4W |
| R1062 | 1-247-807-31 | CARBON | 100 5% 1/4W |
| < SWITCH > | | | |
| S1051 | Δ 1-571-433-21 | SWITCH, PUSH (AC POWER) | |

* A-1405-647-B H5 BOARD, COMPLETE

| REF. NO. | PART NO. | DESCRIPTION | REMARK |
|---------------|--------------|---------------------|----------------------|
| < CAPACITOR > | | | |
| C9300 | 1-126-964-11 | ELECT | 10 μ F 20% 50V |
| C9301 | 1-126-961-11 | ELECT | 2.2 μ F 20% 50V |
| C9302 | 1-126-961-11 | ELECT | 2.2 μ F 20% 50V |
| C9303 | 1-126-964-11 | ELECT | 10 μ F 20% 50V |
| C9306 | 1-162-970-11 | CERAMIC CHIP | 0.01 μ F 10% 25V |
| C9309 | 1-136-497-81 | FILM | 0.1 μ F 5% 50V |
| C9310 | 1-136-497-81 | FILM | 0.1 μ F 5% 50V |
| < CONNECTOR > | | | |
| CN9302* | 1-764-334-11 | PLUG, CONNECTOR 11P | |
| CN9303* | 1-564-509-11 | PLUG, CONNECTOR 6P | |

| REF. NO. | PART NO. | DESCRIPTION | REMARK |
|--------------|--------------|---------------------------------|---------------|
| < DIODE > | | | |
| D9300 | 8-719-056-82 | DIODE UDZ-TE-17-6.2B | |
| D9301 | 8-719-977-28 | DIODE DTZ10B | |
| D9302 | 8-719-977-28 | DIODE DTZ10B | |
| D9303 | 8-719-977-28 | DIODE DTZ10B | |
| D9304 | 8-719-977-28 | DIODE DTZ10B | |
| < FILTER > | | | |
| FL9300 | 1-239-583-22 | FERRITE | 0 μ H |
| FL9301 | 1-239-583-22 | FERRITE | 0 μ H |
| < JACK > | | | |
| J9301 | 1-779-947-11 | TERMINAL BLOCK, S (VIDEO OUT 4) | |
| J9302 | 1-815-325-11 | JACK (HEADPHONE) | |
| < RESISTOR > | | | |
| R9301 | 1-216-811-11 | METAL CHIP | 150 5% 1/10W |
| R9304 | 1-216-849-11 | METAL CHIP | 220K 5% 1/10W |
| R9305 | 1-216-849-11 | METAL CHIP | 220K 5% 1/10W |
| R9306 | 1-216-811-11 | METAL CHIP | 150 5% 1/10W |
| R9307 | 1-216-825-11 | METAL CHIP | 2.2K 5% 1/10W |
| R9309 | 1-216-021-00 | RES-CHIP | 68 5% 1/10W |
| R9310 | 1-216-021-00 | RES-CHIP | 68 5% 1/10W |
| R9311 | 1-216-025-11 | RES-CHIP | 100 5% 1/10W |
| R9314 | 1-216-793-11 | METAL CHIP | 4.7 5% 1/10W |
| R9315 | 1-216-793-11 | METAL CHIP | 4.7 5% 1/10W |
| R9321 | 1-216-811-11 | METAL CHIP | 150 5% 1/10W |
| R9322 | 1-216-811-11 | METAL CHIP | 150 5% 1/10W |
| R9323 | 1-216-864-11 | SHORT CHIP | 0 5% 1/10W |
| R9324 | 1-216-811-11 | METAL CHIP | 150 5% 1/10W |
| R9326 | 1-216-811-11 | METAL CHIP | 150 5% 1/10W |
| < VARISTOR > | | | |
| VD9300 | 1-803-974-21 | VARISTOR, CHIP | -1608 |

* A-1302-743-A MG BOARD, COMPLETE

| REF. NO. | PART NO. | DESCRIPTION | REMARK |
|---------------|--------------|--------------|------------------------|
| < CAPACITOR > | | | |
| C0002 | 1-162-968-11 | CERAMIC CHIP | 0.0047 μ F 10% 50V |
| C0003 | 1-162-970-11 | CERAMIC CHIP | 0.01 μ F 10% 25V |
| C0004 | 1-126-947-11 | ELECT | 47 μ F 20% 25V |
| C0005 | 1-162-968-11 | CERAMIC CHIP | 0.0047 μ F 10% 50V |
| C0007 | 1-107-826-11 | CERAMIC CHIP | 0.1 μ F 10% 16V |
| C0008 | 1-107-826-11 | CERAMIC CHIP | 0.1 μ F 10% 16V |
| C0009 | 1-162-970-11 | CERAMIC CHIP | 0.01 μ F 10% 25V |
| C0012 | 1-162-970-11 | CERAMIC CHIP | 0.01 μ F 10% 25V |
| C0014 | 1-162-970-11 | CERAMIC CHIP | 0.01 μ F 10% 25V |
| C0022 | 1-164-230-11 | CERAMIC CHIP | 220pF 5% 50V |
| C0024 | 1-107-826-11 | CERAMIC CHIP | 0.1 μ F 10% 16V |
| C0025 | 1-164-230-11 | CERAMIC CHIP | 220pF 5% 50V |
| C0027 | 1-164-156-11 | CERAMIC CHIP | 0.1 μ F 25V |
| C0028 | 1-162-919-11 | CERAMIC CHIP | 22pF 5% 50V |
| C0029 | 1-162-910-11 | CERAMIC CHIP | 5pF 0.25pF 50V |
| C0031 | 1-107-826-11 | CERAMIC CHIP | 0.1 μ F 10% 16V |
| C0032 | 1-164-156-11 | CERAMIC CHIP | 0.1 μ F 25V |
| C0033 | 1-164-156-11 | CERAMIC CHIP | 0.1 μ F 25V |
| C0034 | 1-164-156-11 | CERAMIC CHIP | 0.1 μ F 25V |

| REF. NO. | PART NO. | DESCRIPTION | REMARK |
|----------|--------------|--------------|------------------|
| C0035 | 1-126-767-11 | ELECT | 1000µF 20% 16V |
| C0036 | 1-126-933-11 | ELECT | 100µF 20% 16V |
| C0038 | 1-162-915-11 | CERAMIC CHIP | 10pF 0.50pF 50V |
| C0040 | 1-162-915-11 | CERAMIC CHIP | 10pF 0.50pF 50V |
| C0041 | 1-162-907-11 | CERAMIC CHIP | 2pF 0.25pF 50V |
| C0042 | 1-164-245-11 | CERAMIC CHIP | 0.015µF 10% 25V |
| C0044 | 1-164-156-11 | CERAMIC CHIP | 0.1µF 25V |
| C0045 | 1-126-933-11 | ELECT | 100µF 20% 16V |
| C0046 | 1-107-826-11 | CERAMIC CHIP | 0.1µF 10% 16V |
| C0047 | 1-126-933-11 | ELECT | 100µF 20% 16V |
| C0048 | 1-107-826-11 | CERAMIC CHIP | 0.1µF 10% 16V |
| C0049 | 1-128-945-31 | ELECT | 1000µF 20% 10V |
| C0050 | 1-128-949-31 | ELECT | 470µF 20% 16V |
| C0051 | 1-162-964-11 | CERAMIC CHIP | 0.001µF 10% 50V |
| C0052 | 1-107-826-11 | CERAMIC CHIP | 0.1µF 10% 16V |
| C0053 | 1-107-826-11 | CERAMIC CHIP | 0.1µF 10% 16V |
| C0054 | 1-162-964-11 | CERAMIC CHIP | 0.001µF 10% 50V |
| C0055 | 1-162-966-11 | CERAMIC CHIP | 0.0022µF 10% 50V |
| C0071 | 1-107-826-11 | CERAMIC CHIP | 0.1µF 10% 16V |
| C0072 | 1-162-970-11 | CERAMIC CHIP | 0.01µF 10% 25V |
| C0073 | 1-107-826-11 | CERAMIC CHIP | 0.1µF 10% 16V |
| C0074 | 1-126-935-11 | ELECT | 470µF 20% 10V |
| C0075 | 1-164-227-11 | CERAMIC CHIP | 0.022µF 10% 25V |
| C0076 | 1-126-933-11 | ELECT | 100µF 20% 16V |
| C0077 | 1-107-826-11 | CERAMIC CHIP | 0.1µF 10% 16V |
| C0078 | 1-127-715-91 | CERAMIC CHIP | 0.22µF 10% 16V |
| C0079 | 1-107-826-11 | CERAMIC CHIP | 0.1µF 10% 16V |
| C0080 | 1-126-965-91 | ELECT | 22µF 20% 50V |
| C0081 | 1-126-964-11 | ELECT | 10µF 20% 50V |
| C0082 | 1-126-964-11 | ELECT | 10µF 20% 50V |
| C0083 | 1-126-933-11 | ELECT | 100µF 20% 16V |
| C0084 | 1-107-826-11 | CERAMIC CHIP | 0.1µF 10% 16V |
| C0085 | 1-107-826-11 | CERAMIC CHIP | 0.1µF 10% 16V |
| C0086 | 1-164-156-11 | CERAMIC CHIP | 0.1µF 25V |
| C0087 | 1-164-230-11 | CERAMIC CHIP | 220pF 5% 50V |
| C0088 | 1-126-767-11 | ELECT | 1000µF 20% 16V |
| C0089 | 1-126-964-11 | ELECT | 10µF 20% 50V |
| C0091 | 1-107-826-11 | CERAMIC CHIP | 0.1µF 10% 16V |
| C0092 | 1-107-826-11 | CERAMIC CHIP | 0.1µF 10% 16V |
| C0301 | 1-126-965-91 | ELECT | 22µF 20% 50V |
| C0302 | 1-126-933-11 | ELECT | 100µF 20% 16V |
| C0303 | 1-126-965-91 | ELECT | 22µF 20% 50V |
| C0304 | 1-165-908-11 | CERAMIC CHIP | 1µF 10% 10V |
| C0305 | 1-165-908-11 | CERAMIC CHIP | 1µF 10% 10V |
| C0306 | 1-164-156-11 | CERAMIC CHIP | 0.1µF 25V |
| C0307 | 1-126-933-11 | ELECT | 100µF 20% 16V |
| C0308 | 1-126-947-11 | ELECT | 47µF 20% 25V |
| C0309 | 1-126-947-11 | ELECT | 47µF 20% 25V |
| C0310 | 1-127-715-91 | CERAMIC CHIP | 0.22µF 10% 16V |
| C0311 | 1-162-970-11 | CERAMIC CHIP | 0.01µF 10% 25V |
| C0312 | 1-162-970-11 | CERAMIC CHIP | 0.01µF 10% 25V |
| C0313 | 1-162-968-11 | CERAMIC CHIP | 0.0047µF 10% 50V |
| C0314 | 1-164-227-11 | CERAMIC CHIP | 0.022µF 10% 25V |
| C0315 | 1-162-968-11 | CERAMIC CHIP | 0.0047µF 10% 50V |
| C0317 | 1-126-964-11 | ELECT | 10µF 20% 50V |
| C0318 | 1-127-715-91 | CERAMIC CHIP | 0.22µF 10% 16V |
| C0319 | 1-162-968-11 | CERAMIC CHIP | 0.0047µF 10% 50V |
| C0320 | 1-136-497-81 | FILM | 0.1µF 5% 50V |
| C0321 | 1-136-497-81 | FILM | 0.1µF 5% 50V |
| C0322 | 1-126-964-11 | ELECT | 10µF 20% 50V |
| C0323 | 1-162-964-11 | CERAMIC CHIP | 0.001µF 10% 50V |
| C0324 | 1-162-964-11 | CERAMIC CHIP | 0.001µF 10% 50V |

| REF. NO. | PART NO. | DESCRIPTION | REMARK |
|----------|--------------|--------------|------------------|
| C0325 | 1-165-176-11 | CERAMIC CHIP | 0.047µF 10% 16V |
| C0326 | 1-165-176-11 | CERAMIC CHIP | 0.047µF 10% 16V |
| C0327 | 1-162-965-11 | CERAMIC CHIP | 0.0015µF 10% 50V |
| C0328 | 1-162-965-11 | CERAMIC CHIP | 0.0015µF 10% 50V |
| C0329 | 1-127-715-91 | CERAMIC CHIP | 0.22µF 10% 16V |
| C0330 | 1-127-715-91 | CERAMIC CHIP | 0.22µF 10% 16V |
| C0332 | 1-128-934-91 | CERAMIC CHIP | 0.33µF 20% 10V |
| C0333 | 1-126-964-11 | ELECT | 10µF 20% 50V |
| C0334 | 1-126-960-11 | ELECT | 1µF 20% 50V |
| C0335 | 1-125-889-91 | CERAMIC CHIP | 2.2µF 10% 10V |
| C0336 | 1-165-908-11 | CERAMIC CHIP | 1µF 10% 10V |
| C0337 | 1-125-889-91 | CERAMIC CHIP | 2.2µF 10% 10V |
| C0338 | 1-165-908-11 | CERAMIC CHIP | 1µF 10% 10V |
| C0339 | 1-126-768-11 | ELECT | 2200µF 20% 16V |
| C0340 | 1-165-908-11 | CERAMIC CHIP | 1µF 10% 10V |
| C0341 | 1-165-908-11 | CERAMIC CHIP | 1µF 10% 10V |
| C0342 | 1-165-908-11 | CERAMIC CHIP | 1µF 10% 10V |
| C0343 | 1-126-933-11 | ELECT | 100µF 20% 16V |
| C0344 | 1-165-908-11 | CERAMIC CHIP | 1µF 10% 10V |
| C0345 | 1-164-156-11 | CERAMIC CHIP | 0.1µF 25V |
| C0400 | 1-107-826-11 | CERAMIC CHIP | 0.1µF 10% 16V |
| C0403 | 1-126-933-11 | ELECT | 100µF 20% 16V |
| C0404 | 1-164-156-11 | CERAMIC CHIP | 0.1µF 25V |
| C0405 | 1-162-964-11 | CERAMIC CHIP | 0.001µF 10% 50V |
| C0406 | 1-162-970-11 | CERAMIC CHIP | 0.01µF 10% 25V |
| C0407 | 1-127-715-91 | CERAMIC CHIP | 0.22µF 10% 16V |
| C0408 | 1-164-156-11 | CERAMIC CHIP | 0.1µF 25V |
| C0409 | 1-125-891-11 | CERAMIC CHIP | 0.47µF 10% 10V |
| C0410 | 1-126-933-11 | ELECT | 100µF 20% 16V |
| C0411 | 1-164-156-11 | CERAMIC CHIP | 0.1µF 25V |
| C0412 | 1-115-416-11 | CERAMIC CHIP | 0.001µF 5% 25V |
| C0413 | 1-126-933-11 | ELECT | 100µF 20% 16V |
| C0414 | 1-162-968-11 | CERAMIC CHIP | 0.0047µF 10% 50V |
| C0415 | 1-162-970-11 | CERAMIC CHIP | 0.01µF 10% 25V |
| C0416 | 1-126-935-11 | ELECT | 470µF 20% 16V |
| C0417 | 1-107-826-11 | CERAMIC CHIP | 0.1µF 10% 16V |
| C0418 | 1-164-156-11 | CERAMIC CHIP | 0.1µF 25V |
| C0419 | 1-126-933-11 | ELECT | 100µF 20% 16V |
| C0420 | 1-107-826-11 | CERAMIC CHIP | 0.1µF 10% 16V |
| C0421 | 1-107-826-11 | CERAMIC CHIP | 0.1µF 10% 16V |
| C0422 | 1-162-970-11 | CERAMIC CHIP | 0.01µF 10% 25V |
| C0423 | 1-126-962-11 | ELECT | 3.3µF 20% 50V |
| C0424 | 1-125-891-11 | CERAMIC CHIP | 0.47µF 10% 10V |
| C0425 | 1-162-923-11 | CERAMIC CHIP | 47pF 5% 50V |
| C0426 | 1-125-891-11 | CERAMIC CHIP | 0.47µF 10% 10V |
| C0427 | 1-107-826-11 | CERAMIC CHIP | 0.1µF 10% 16V |
| C0428 | 1-107-826-11 | CERAMIC CHIP | 0.1µF 10% 16V |
| C0429 | 1-107-826-11 | CERAMIC CHIP | 0.1µF 10% 16V |
| C0430 | 1-164-677-11 | CERAMIC CHIP | 0.033µF 10% 16V |
| C0431 | 1-107-826-11 | CERAMIC CHIP | 0.1µF 10% 16V |
| C0432 | 1-164-156-11 | CERAMIC CHIP | 0.1µF 25V |
| C0433 | 1-107-826-11 | CERAMIC CHIP | 0.1µF 10% 16V |
| C0434 | 1-107-826-11 | CERAMIC CHIP | 0.1µF 10% 16V |
| C0435 | 1-107-826-11 | CERAMIC CHIP | 0.1µF 10% 16V |
| C0436 | 1-126-933-11 | ELECT | 100µF 20% 16V |
| C0437 | 1-126-963-11 | ELECT | 4.7µF 20% 50V |
| C0438 | 1-164-156-11 | CERAMIC CHIP | 0.1µF 25V |
| C0439 | 1-164-156-11 | CERAMIC CHIP | 0.1µF 25V |
| C0441 | 1-126-933-11 | ELECT | 100µF 20% 16V |
| C0442 | 1-126-933-11 | ELECT | 100µF 20% 16V |
| C0444 | 1-126-933-11 | ELECT | 100µF 20% 16V |
| C0445 | 1-127-715-91 | CERAMIC CHIP | 0.22µF 10% 16V |
| C0446 | 1-164-156-11 | CERAMIC CHIP | 0.1µF 25V |

| REF. NO. | PART NO. | DESCRIPTION | REMARK | REF. NO. | PART NO. | DESCRIPTION | REMARK |
|----------|--------------|-------------------------------|------------------|----------|--------------|---------------------|--------|
| C0447 | 1-110-563-11 | CERAMIC CHIP | 0.068μF 10% 16V | | | < FERRITE BEAD > | |
| C0448 | 1-164-156-11 | CERAMIC CHIP | 0.1μF 25V | FB0001 | 1-414-921-11 | FERRITE | 0μH |
| C0449 | 1-162-966-11 | CERAMIC CHIP | 0.0022μF 10% 50V | FB0002 | 1-414-921-11 | FERRITE | 0μH |
| C0450 | 1-164-156-11 | C AM HIP | 0. F 25V | FB0004 | 1-414-921-11 | FERRITE | 0μH |
| C0451 | 1-126-933-11 | ELECT | 100μF 20% 16V | FB0005 | 1-414-921-11 | FERRITE | 0μH |
| C0452 | 1-107-826-11 | CERAMIC CHIP | 0.1μF 10% 16V | FB0006 | 1-414-921-11 | FERRITE | 0μH |
| C0453 | 1-126-933-11 | ELECT | 100μF 20% 16V | FB0008 | 1-414-921-11 | FERRITE | 0μH |
| C0454 | 1-165-908-11 | CERAMIC CHIP | 1μF 10% 10V | FB0301 | 1-414-921-11 | FERRITE | 0μH |
| C0455 | 1-126-933-11 | ELECT | 100μF 20% 16V | FB0401 | 1-414-921-11 | FERRITE | 0μH |
| C0456 | 1-164-156-11 | CERAMIC CHIP | 0.1μF 25V | FB0402 | 1-414-921-11 | FERRITE | 0μH |
| C0458 | 1-126-933-11 | ELECT | 100μF 20% 16V | FB0403 | 1-414-921-11 | FERRITE | 0μH |
| C0459 | 1-162-970-11 | CERAMIC CHIP | 0.01μF 10% 25V | | | < FILTER > | |
| C0460 | 1-162-970-11 | CERAMIC CHIP | 0.01μF 10% 25V | | | | |
| C0461 | 1-165-733-31 | ELECT | 100μF 20% 25V | FL0001 | 1-239-895-11 | FILTER, EMI (SMD) | |
| C0462 | 1-107-826-11 | CERAMIC CHIP | 0.1μF 10% 16V | FL0002 | 1-239-895-11 | FILTER, EMI (SMD) | |
| C0463 | 1-162-969-11 | CERAMIC CHIP | 0.0068μF 10% 25V | | | < IC > | |
| C0464 | 1-164-230-11 | CERAMIC CHIP | 220pF 5% 50V | IC0001 | 8-753-213-34 | IC CXP961048-013Q | |
| C0465 | 1-107-826-11 | CERAMIC CHIP | 0.1μF 10% 16V | IC0002 | 6-803-843-01 | IC M306VSMG-535FP | |
| C0466 | 1-162-966-11 | CERAMIC CHIP | 0.0022μF 10% 50V | IC0003 | 6-704-573-01 | IC M24C32-WMN6T(B) | |
| C0467 | 1-107-826-11 | CERAMIC CHIP | 0.1μF 10% 16V | IC0005 | 6-704-573-01 | IC M24C32-WMN6T(B) | |
| C0468 | 1-165-908-11 | CERAMIC CHIP | 1μF 10% 10V | IC0007 | 8-759-488-29 | IC TC7W66FU(TE12R) | |
| | | < CONNECTOR > | | IC0008 | 6-801-402-01 | IC BD4729GTR | |
| CN0001* | 1-793-498-11 | CONNECTOR, BOARD TO BOARD 50P | | IC0050 | 6-702-474-01 | IC MM1482BFBE | |
| CN0002* | 1-793-498-11 | CONNECTOR, BOARD TO BOARD 50P | | IC0051 | 8-759-488-29 | IC TC7W66FU(TE12R) | |
| CN0004* | 1-764-333-11 | PLUG, CONNECTOR 10P | | IC0301 | 8-759-745-64 | IC NJM4560M-TE2 | |
| CN0005* | 1-564-512-11 | PLUG, CONNECTOR 9P | | | | | |
| CN0050* | 1-564-506-11 | PLUG, CONNECTOR 3P | | IC0302 | 6-704-236-01 | IC NJW1148 | |
| CN0301* | 1-564-509-11 | PLUG, CONNECTOR 6P | | IC0401 | 8-752-102-68 | IC CXA2170Q | |
| CN0401* | 1-764-334-11 | PLUG, CONNECTOR 11P | | IC0403 | 8-759-642-22 | IC μPC29M05T-E2 | |
| CN0402 | 1-764-334-11 | PLUG, CONNECTOR 11P | | | | < JUMPER RESISTOR > | |
| CN0405* | 1-564-508-11 | PLUG, CONNECTOR 5P | (HR32M31) | JR1001 | 1-216-864-11 | SHORT CHIP | 0 |
| CN0406* | 1-564-511-11 | PLUG, CONNECTOR 8P | (HR32M31) | JR1002 | 1-216-864-11 | SHORT CHIP | 0 |
| CN1164* | 1-564-510-11 | PLUG, CONNECTOR 7P | | JR1003 | 1-216-864-11 | SHORT CHIP | 0 |
| | | < DIODE > | | JR1004 | 1-216-864-11 | SHORT CHIP | 0 |
| D0001 | 8-719-083-57 | DIODE UDZSTE-173.6B | | JR1005 | 1-216-864-11 | SHORT CHIP | 0 |
| D0002 | 8-719-914-43 | DIODE DAN202K | | JR1006 | 1-216-864-11 | SHORT CHIP | 0 |
| D0003 | 8-719-914-43 | DIODE DAN202K | | JR1007 | 1-216-864-11 | SHORT CHIP | 0 |
| D0007 | 8-719-914-43 | DIODE DAN202K | | JR1008 | 1-216-864-11 | SHORT CHIP | 0 |
| D0008 | 8-719-080-69 | DIODE M1FS4-4063 | | JR1009 | 1-216-864-11 | SHORT CHIP | 0 |
| D0009 | 8-719-081-97 | DIODE MMDL914T1 | | JR1010 | 1-216-864-11 | SHORT CHIP | 0 |
| D0010 | 8-719-081-97 | DIODE MMDL914T1 | | JR1011 | 1-216-864-11 | SHORT CHIP | 0 |
| D0052 | 8-719-083-66 | DIODE UDZSTE-1718B | | JR1012 | 1-216-864-11 | SHORT CHIP | 0 |
| D0053 | 8-719-158-18 | DIODE RD5.6SB3-T1 | | JR1013 | 1-216-864-11 | SHORT CHIP | 0 |
| D0054 | 8-719-914-43 | DIODE DAN202K-T-146 | | JR1014 | 1-216-864-11 | SHORT CHIP | 0 |
| D0055 | 8-719-081-97 | DIODE MMDL914T1 | | JR1015 | 1-216-864-11 | SHORT CHIP | 0 |
| D0056 | 8-719-081-97 | DIODE MMDL914T1 | | JR1016 | 1-216-864-11 | SHORT CHIP | 0 |
| D0057 | 8-719-081-97 | DIODE MMDL914T1 | | JR1017 | 1-216-864-11 | SHORT CHIP | 0 |
| D0058 | 8-719-081-97 | DIODE MMDL914T1 | | JR1018 | 1-216-864-11 | SHORT CHIP | 0 |
| D0059 | 8-719-081-97 | DIODE MMDL914T1 | | JR1019 | 1-216-864-11 | SHORT CHIP | 0 |
| D0403 | 8-719-081-97 | DIODE MMDL914T1 | | JR1020 | 1-216-864-11 | SHORT CHIP | 0 |
| D0404 | 8-719-036-94 | DIODE RD5.6SB-T1 | | JR1021 | 1-216-864-11 | SHORT CHIP | 0 |
| D0405 | 8-719-037-01 | DIODE RD6.2SB3-T1 | | JR1022 | 1-216-864-11 | SHORT CHIP | 0 |
| D0406 | 8-719-081-97 | DIODE MMDL914T1 | | JR1023 | 1-216-864-11 | SHORT CHIP | 0 |
| D0407 | 8-719-081-97 | DIODE MMDL914T1 | | JR1024 | 1-216-864-11 | SHORT CHIP | 0 |
| D0501 | 8-719-914-43 | DIODE DAN202K | | JR1025 | 1-216-864-11 | SHORT CHIP | 0 |
| D0502 | 8-719-977-28 | DIODE DTZ10B | | JR1026 | 1-216-864-11 | SHORT CHIP | 0 |
| | | | | JR1027 | 1-216-864-11 | SHORT CHIP | 0 |
| | | | | JR1028 | 1-216-864-11 | SHORT CHIP | 0 |

| REF. NO. | PART NO. | DESCRIPTION | REMARK |
|----------|--------------|---------------|--------|
| < COIL > | | | |
| L0001 | 1-400-397-11 | INDUCTOR 10μH | |
| L0004 | 1-400-397-11 | INDUCTOR 10μH | |
| L0005 | 1-400-397-11 | INDUCTOR 10μH | |
| L0051 | 1-400-397-11 | INDUCTOR 10μH | |
| L0053 | 1-400-397-11 | INDUCTOR 10μH | |
| L0054 | 1-400-397-11 | INDUCTOR 10μH | |
| L0301 | 1-400-397-11 | INDUCTOR 10μH | |
| L0401 | 1-400-397-11 | INDUCTOR 10μH | |
| L0402 | 1-400-397-11 | INDUCTOR 10μH | |
| L0403 | 1-400-397-11 | INDUCTOR 10μH | |
| L0404 | 1-469-559-21 | INDUCTOR 47μH | |
| L0405 | 1-400-397-11 | INDUCTOR 10μH | |
| L0406 | 1-400-397-11 | INDUCTOR 10μH | |
| L0407 | 1-400-397-11 | INDUCTOR 10μH | |
| L0408 | 1-400-397-11 | INDUCTOR 10μH | |
| L0409 | 1-400-397-11 | INDUCTOR 10μH | |
| L0410 | 1-400-397-11 | INDUCTOR 10μH | |

| REF. NO. | PART NO. | DESCRIPTION | REMARK |
|----------------|--------------|---------------------------|--------|
| < TRANSISTOR > | | | |
| Q0004 | 8-729-010-25 | TRANSISTOR MSD601-RT1 | |
| Q0007 | 8-729-905-35 | TRANSISTOR 2SC4081T106R | |
| Q0008 | 8-729-010-05 | TRANSISTOR MSB709-RT1 | |
| Q0009 | 8-729-010-05 | TRANSISTOR MSB709-RT1 | |
| Q0010 | 8-729-028-23 | TRANSISTOR 2SJ344(TE85L) | |
| Q0016 | 8-729-010-25 | TRANSISTOR MSD601-RT1 | |
| Q0020 | 8-729-010-25 | TRANSISTOR MSD601-RT1 | |
| Q0021 | 8-729-010-25 | TRANSISTOR MSD601-RT1 | |
| Q0022 | 8-729-010-05 | TRANSISTOR MSB709-RT1 | |
| Q0023 | 8-729-010-05 | TRANSISTOR MSB709-RT1 | |
| Q0050 | 8-729-905-35 | TRANSISTOR 2SC4081T106R | |
| Q0051 | 8-729-029-14 | TRANSISTOR DTC144EUA-T106 | |
| Q0053 | 8-729-010-25 | TRANSISTOR MSD601-RT1 | |
| Q0054 | 8-729-010-25 | TRANSISTOR MSD601-RT1 | |
| Q0056 | 8-729-010-05 | TRANSISTOR MSB709-RT1 | |
| Q0057 | 8-729-010-05 | TRANSISTOR MSB709-RT1 | |
| Q0058 | 8-729-010-05 | TRANSISTOR MSB709-RT1 | |
| Q0059 | 8-729-010-05 | TRANSISTOR MSB709-RT1 | |
| Q0060 | 8-729-010-05 | TRANSISTOR MSB709-RT1 | |
| Q0061 | 8-729-010-05 | TRANSISTOR MSB709-RT1 | |
| Q0063 | 8-729-010-25 | TRANSISTOR MSD601-RT1 | |
| Q0067 | 8-729-010-25 | TRANSISTOR MSD601-RT1 | |
| Q0068 | 8-729-010-25 | TRANSISTOR MSD601-RT1 | |
| Q0069 | 8-729-010-05 | TRANSISTOR MSB709-RT1 | |
| Q0070 | 8-729-010-25 | TRANSISTOR MSD601-RT1 | |
| Q0302 | 8-729-010-25 | TRANSISTOR MSD601-RT1 | |
| Q0303 | 8-729-010-25 | TRANSISTOR MSD601-RT1 | |
| Q0304 | 8-729-029-14 | TRANSISTOR DTC144EUA-T106 | |
| Q0305 | 8-729-029-14 | TRANSISTOR DTC144EUA-T106 | |
| Q0306 | 8-729-029-14 | TRANSISTOR DTC144EUA-T106 | |
| Q0401 | 8-729-010-25 | TRANSISTOR MSD601-RT1 | |
| Q0402 | 8-729-010-25 | TRANSISTOR MSD601-RT1 | |
| Q0403 | 8-729-010-25 | TRANSISTOR MSD601-RT1 | |
| Q0405 | 8-729-010-25 | TRANSISTOR MSD601-RT1 | |
| Q0406 | 8-729-010-25 | TRANSISTOR MSD601-RT1 | |
| Q0408 | 8-729-010-25 | TRANSISTOR MSD601-RT1 | |
| Q0409 | 8-729-122-63 | TRANSISTOR 2SA1226 | |
| Q0415 | 8-729-010-05 | TRANSISTOR MSB709-RT1 | |
| Q0416 | 8-729-010-05 | TRANSISTOR MSB709-RT1 | |
| Q0417 | 8-729-010-05 | TRANSISTOR MSB709-RT1 | |
| Q0418 | 8-729-010-25 | TRANSISTOR MSD601-RT1 | |

| REF. NO. | PART NO. | DESCRIPTION | REMARK |
|----------|--------------|---------------------------|--------|
| Q0419 | 8-729-122-63 | TRANSISTOR 2SA1226 | |
| Q0420 | 8-729-122-63 | TRANSISTOR 2SA1226 | |
| Q0422 | 8-729-122-63 | TRANSISTOR 2SA1226 | |
| Q0423 | 8-729-010-25 | TRANSISTOR MSD601-RT1 | |
| Q0424 | 8-729-010-25 | TRANSISTOR MSD601-RT1 | |
| Q0425 | 8-729-010-25 | TRANSISTOR MSD601-RT1 | |
| Q0426 | 8-729-010-25 | TRANSISTOR MSD601-RT1 | |
| Q0427 | 8-729-029-14 | TRANSISTOR DTC144EUA-T106 | |
| Q0428 | 8-729-029-14 | TRANSISTOR DTC144EUA-T106 | |
| Q0429 | 8-729-029-14 | TRANSISTOR DTC144EUA-T106 | |
| Q0430 | 8-729-029-14 | TRANSISTOR DTC144EUA-T106 | |
| Q0431 | 8-729-010-25 | TRANSISTOR MSD601-RT1 | |
| Q0434 | 8-729-029-14 | TRANSISTOR DTC144EUA-T106 | |
| Q0435 | 8-729-029-14 | TRANSISTOR DTC144EUA-T106 | |
| Q0436 | 8-729-029-14 | TRANSISTOR DTC144EUA-T106 | |
| Q0437 | 8-729-010-25 | TRANSISTOR MSD601-RT1 | |
| Q0438 | 8-729-010-05 | TRANSISTOR MSB709-RT1 | |
| Q0439 | 8-729-010-25 | TRANSISTOR MSD601-RT1 | |
| Q0440 | 8-729-010-25 | TRANSISTOR MSD601-RT1 | |

| REF. NO. | PART NO. | DESCRIPTION | REMARK |
|--------------|--------------|--------------------|--------|
| < RESISTOR > | | | |
| R0005 | 1-216-835-11 | METAL CHIP 15K 5% | 1/10W |
| R0006 | 1-216-835-11 | METAL CHIP 15K 5% | 1/10W |
| R0007 | 1-216-857-11 | METAL CHIP 1M 5% | 1/10W |
| R0015 | 1-216-809-11 | METAL CHIP 100 5% | 1/10W |
| R0016 | 1-216-809-11 | METAL CHIP 100 5% | 1/10W |
| R0020 | 1-216-809-11 | METAL CHIP 100 5% | 1/10W |
| R0021 | 1-216-809-11 | METAL CHIP 100 5% | 1/10W |
| R0022 | 1-216-809-11 | METAL CHIP 100 5% | 1/10W |
| R0023 | 1-216-809-11 | METAL CHIP 100 5% | 1/10W |
| R0026 | 1-216-809-11 | METAL CHIP 100 5% | 1/10W |
| R0029 | 1-216-809-11 | METAL CHIP 100 5% | 1/10W |
| R0030 | 1-216-825-11 | METAL CHIP 2.2K 5% | 1/10W |
| R0031 | 1-216-809-11 | METAL CHIP 100 5% | 1/10W |
| R0032 | 1-216-809-11 | METAL CHIP 100 5% | 1/10W |
| R0034 | 1-216-809-11 | METAL CHIP 100 5% | 1/10W |
| R0035 | 1-216-817-11 | METAL CHIP 470 5% | 1/10W |
| R0036 | 1-216-797-11 | METAL CHIP 10 5% | 1/10W |
| R0037 | 1-216-833-11 | METAL CHIP 10K 5% | 1/10W |
| R0039 | 1-216-809-11 | METAL CHIP 100 5% | 1/10W |
| R0040 | 1-216-809-11 | METAL CHIP 100 5% | 1/10W |
| R0041 | 1-216-809-11 | METAL CHIP 100 5% | 1/10W |
| R0042 | 1-216-820-11 | METAL CHIP 820 5% | 1/10W |
| R0044 | 1-216-809-11 | METAL CHIP 100 5% | 1/10W |
| R0045 | 1-216-809-11 | METAL CHIP 100 5% | 1/10W |
| R0046 | 1-216-809-11 | METAL CHIP 100 5% | 1/10W |
| R0047 | 1-216-809-11 | METAL CHIP 100 5% | 1/10W |
| R0048 | 1-216-829-11 | METAL CHIP 4.7K 5% | 1/10W |
| R0050 | 1-216-809-11 | METAL CHIP 100 5% | 1/10W |
| R0051 | 1-216-829-11 | METAL CHIP 4.7K 5% | 1/10W |
| R0052 | 1-216-809-11 | METAL CHIP 100 5% | 1/10W |
| R0053 | 1-216-809-11 | METAL CHIP 100 5% | 1/10W |
| R0054 | 1-216-809-11 | METAL CHIP 100 5% | 1/10W |
| R0056 | 1-216-809-11 | METAL CHIP 100 5% | 1/10W |
| R0057 | 1-216-809-11 | METAL CHIP 100 5% | 1/10W |
| R0058 | 1-216-809-11 | METAL CHIP 100 5% | 1/10W |
| R0059 | 1-216-809-11 | METAL CHIP 100 5% | 1/10W |
| R0061 | 1-216-833-11 | METAL CHIP 10K 5% | 1/10W |
| R0064 | 1-216-812-11 | METAL CHIP 180 5% | 1/10W |
| R0065 | 1-218-675-11 | METAL CHIP 200 5% | 1/10W |
| R0067 | 1-216-827-11 | METAL CHIP 3.3K 5% | 1/10W |
| R0069 | 1-216-812-11 | METAL CHIP 180 5% | 1/10W |

| REF. NO. | PART NO. | DESCRIPTION | | REMARK | REF. NO. | PART NO. | DESCRIPTION | | REMARK |
|----------|--------------|-------------|------|--------|----------|----------|--------------|------------|---------------|
| R0070 | 1-218-675-11 | METAL CHIP | 200 | 5% | 1/10W | R0154 | 1-216-864-11 | SHORT CHIP | 0 |
| R0071 | 1-216-829-11 | METAL CHIP | 4.7K | 5% | 1/10W | R0155 | 1-216-809-11 | METAL CHIP | 100 5% 1/10W |
| R0072 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W | R0157 | 1-216-864-11 | SHORT CHIP | 0 |
| R0073 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W | R0159 | 1-216-821-11 | METAL CHIP | 1K 5% 1/10W |
| R0075 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W | R0182 | 1-216-829-11 | METAL CHIP | 4.7K 5% 1/10W |
| R0076 | 1-216-812-11 | METAL CHIP | 180 | 5% | 1/10W | R0183 | 1-216-809-11 | METAL CHIP | 100 5% 1/10W |
| R0077 | 1-216-837-11 | METAL CHIP | 22K | 5% | 1/10W | R0184 | 1-216-849-11 | METAL CHIP | 220K 5% 1/10W |
| R0078 | 1-218-675-11 | METAL CHIP | 200 | 5% | 1/10W | R0188 | 1-216-821-11 | METAL CHIP | 1K 5% 1/10W |
| R0079 | 1-216-839-11 | METAL CHIP | 33K | 5% | 1/10W | R0189 | 1-216-821-11 | METAL CHIP | 1K 5% 1/10W |
| R0080 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W | R0190 | 1-216-821-11 | METAL CHIP | 1K 5% 1/10W |
| R0081 | 1-216-841-11 | METAL CHIP | 47K | 5% | 1/10W | R0191 | 1-216-825-11 | METAL CHIP | 2.2K 5% 1/10W |
| R0082 | 1-216-841-11 | METAL CHIP | 47K | 5% | 1/10W | R0192 | 1-216-829-11 | METAL CHIP | 4.7K 5% 1/10W |
| R0084 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W | R0195 | 1-216-821-11 | METAL CHIP | 1K 5% 1/10W |
| R0085 | 1-216-841-11 | METAL CHIP | 47K | 5% | 1/10W | R0196 | 1-216-809-11 | METAL CHIP | 100 5% 1/10W |
| R0086 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W | R0197 | 1-216-809-11 | METAL CHIP | 100 5% 1/10W |
| R0088 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W | R0198 | 1-216-825-11 | METAL CHIP | 2.2K 5% 1/10W |
| R0089 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W | R0199 | 1-216-809-11 | METAL CHIP | 100 5% 1/10W |
| R0092 | 1-216-797-11 | METAL CHIP | 10 | 5% | 1/10W | R0200 | 1-216-821-11 | METAL CHIP | 1K 5% 1/10W |
| R0093 | 1-216-797-11 | METAL CHIP | 10 | 5% | 1/10W | R0201 | 1-216-813-11 | METAL CHIP | 220 5% 1/10W |
| R0094 | 1-216-845-11 | METAL CHIP | 100K | 5% | 1/10W | R0202 | 1-216-813-11 | METAL CHIP | 220 5% 1/10W |
| R0095 | 1-216-845-11 | METAL CHIP | 100K | 5% | 1/10W | R0203 | 1-216-825-11 | METAL CHIP | 2.2K 5% 1/10W |
| R0096 | 1-216-845-11 | METAL CHIP | 100K | 5% | 1/10W | R0204 | 1-216-864-11 | SHORT CHIP | 0 |
| R0097 | 1-216-864-11 | SHORT CHIP | 0 | | | R0205 | 1-216-864-11 | SHORT CHIP | 0 |
| R0098 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W | R0206 | 1-216-833-11 | METAL CHIP | 10K 5% 1/10W |
| R0100 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W | R0207 | 1-216-809-11 | METAL CHIP | 100 5% 1/10W |
| R0101 | 1-216-864-11 | SHORT CHIP | 0 | | | R0208 | 1-216-829-11 | METAL CHIP | 4.7K 5% 1/10W |
| R0102 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W | R0209 | 1-216-829-11 | METAL CHIP | 4.7K 5% 1/10W |
| R0105 | 1-216-864-11 | SHORT CHIP | 0 | | | R0212 | 1-216-821-11 | METAL CHIP | 1K 5% 1/10W |
| R0106 | 1-216-837-11 | METAL CHIP | 22K | 5% | 1/10W | R0213 | 1-216-821-11 | METAL CHIP | 1K 5% 1/10W |
| R0107 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W | R0214 | 1-216-813-11 | METAL CHIP | 220 5% 1/10W |
| R0111 | 1-216-825-11 | METAL CHIP | 2.2K | 5% | 1/10W | R0215 | 1-216-817-11 | METAL CHIP | 470 5% 1/10W |
| R0115 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W | R0216 | 1-216-821-11 | METAL CHIP | 1K 5% 1/10W |
| R0116 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W | R0218 | 1-216-813-11 | METAL CHIP | 220 5% 1/10W |
| R0118 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W | R0219 | 1-216-829-11 | METAL CHIP | 4.7K 5% 1/10W |
| R0119 | 1-216-825-11 | METAL CHIP | 2.2K | 5% | 1/10W | R0220 | 1-216-821-11 | METAL CHIP | 1K 5% 1/10W |
| R0120 | 1-216-825-11 | METAL CHIP | 2.2K | 5% | 1/10W | R0221 | 1-216-821-11 | METAL CHIP | 1K 5% 1/10W |
| R0121 | 1-216-825-11 | METAL CHIP | 2.2K | 5% | 1/10W | R0222 | 1-216-833-11 | METAL CHIP | 10K 5% 1/10W |
| R0122 | 1-216-825-11 | METAL CHIP | 2.2K | 5% | 1/10W | R0223 | 1-216-845-11 | METAL CHIP | 100K 5% 1/10W |
| R0123 | 1-216-829-11 | METAL CHIP | 4.7K | 5% | 1/10W | R0224 | 1-216-845-11 | METAL CHIP | 100K 5% 1/10W |
| R0124 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W | R0225 | 1-216-845-11 | METAL CHIP | 100K 5% 1/10W |
| R0125 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W | R0226 | 1-216-845-11 | METAL CHIP | 100K 5% 1/10W |
| R0126 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W | R0227 | 1-216-845-11 | METAL CHIP | 100K 5% 1/10W |
| R0127 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W | R0228 | 1-216-845-11 | METAL CHIP | 100K 5% 1/10W |
| R0133 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W | R0229 | 1-216-833-11 | METAL CHIP | 10K 5% 1/10W |
| R0134 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W | R0236 | 1-216-833-11 | METAL CHIP | 10K 5% 1/10W |
| R0135 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W | R0237 | 1-216-809-11 | METAL CHIP | 100 5% 1/10W |
| R0136 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W | R0240 | 1-216-833-11 | METAL CHIP | 10K 5% 1/10W |
| R0137 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W | R0241 | 1-216-833-11 | METAL CHIP | 10K 5% 1/10W |
| R0139 | 1-216-829-11 | METAL CHIP | 4.7K | 5% | 1/10W | R0242 | 1-216-833-11 | METAL CHIP | 10K 5% 1/10W |
| R0140 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W | R0243 | 1-216-833-11 | METAL CHIP | 10K 5% 1/10W |
| R0141 | 1-216-829-11 | METAL CHIP | 4.7K | 5% | 1/10W | R0244 | 1-216-821-11 | METAL CHIP | 1K 5% 1/10W |
| R0142 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W | R0245 | 1-216-821-11 | METAL CHIP | 1K 5% 1/10W |
| R0143 | 1-216-797-11 | METAL CHIP | 10 | 5% | 1/10W | R0246 | 1-216-829-11 | METAL CHIP | 4.7K 5% 1/10W |
| R0144 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W | R0247 | 1-216-829-11 | METAL CHIP | 4.7K 5% 1/10W |
| R0145 | 1-216-797-11 | METAL CHIP | 10 | 5% | 1/10W | R0248 | 1-216-841-11 | METAL CHIP | 47K 5% 1/10W |
| R0146 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W | R0249 | 1-216-841-11 | METAL CHIP | 47K 5% 1/10W |
| R0147 | 1-216-797-11 | METAL CHIP | 10 | 5% | 1/10W | R0250 | 1-216-853-11 | METAL CHIP | 470K 5% 1/10W |
| R0148 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W | R0301 | 1-216-834-11 | METAL CHIP | 12K 5% 1/10W |
| R0149 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W | R0302 | 1-216-828-11 | METAL CHIP | 3.9K 5% 1/10W |
| R0150 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W | R0303 | 1-216-828-11 | METAL CHIP | 3.9K 5% 1/10W |
| R0151 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W | R0304 | 1-216-833-11 | METAL CHIP | 10K 5% 1/10W |
| R0152 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W | R0305 | 1-216-837-11 | METAL CHIP | 22K 5% 1/10W |
| R0153 | 1-216-864-11 | SHORT CHIP | 0 | | | | | | |



| REF. NO. | PART NO. | DESCRIPTION | REMARK |
|----------|--------------|-------------|-----------------|
| R0306 | 1-216-837-11 | METAL CHIP | 22K 5% 1/10W |
| R0309 | 1-216-807-11 | METAL CHIP | 68 5% 1/10W |
| R0310 | 1-216-807-11 | METAL CHIP | 68 5% 1/10W |
| R0311 | 1-216-825-11 | METAL CHIP | 2.2K 5% 1/10W |
| R0312 | 1-216-853-11 | METAL CHIP | 470K 5% 1/10W |
| R0313 | 1-216-825-11 | METAL CHIP | 2.2K 5% 1/10W |
| R0314 | 1-216-853-11 | METAL CHIP | 470K 5% 1/10W |
| R0315 | 1-216-833-11 | METAL CHIP | 10K 5% 1/10W |
| R0316 | 1-216-833-11 | METAL CHIP | 10K 5% 1/10W |
| R0325 | 1-216-833-11 | METAL CHIP | 10K 5% 1/10W |
| R0326 | 1-216-833-11 | METAL CHIP | 10K 5% 1/10W |
| R0327 | 1-216-827-11 | METAL CHIP | 3.3K 5% 1/10W |
| R0328 | 1-218-873-11 | METAL CHIP | 12K 0.5% 1/10W |
| R0329 | 1-218-871-11 | METAL CHIP | 10K 0.5% 1/10W |
| R0330 | 1-218-873-11 | METAL CHIP | 12K 0.5% 1/10W |
| R0331 | 1-216-827-11 | METAL CHIP | 3.3K 5% 1/10W |
| R0334 | 1-216-829-11 | METAL CHIP | 4.7K 5% 1/10W |
| R0335 | 1-216-829-11 | METAL CHIP | 4.7K 5% 1/10W |
| R0337 | 1-216-864-11 | SHORT CHIP | 0 |
| R0339 | 1-216-864-11 | SHORT CHIP | 0 |
| R0340 | 1-216-864-11 | SHORT CHIP | 0 |
| R0341 | 1-216-809-11 | METAL CHIP | 100 5% 1/10W |
| R0342 | 1-216-864-11 | SHORT CHIP | 0 |
| R0343 | 1-216-864-11 | SHORT CHIP | 0 |
| R0344 | 1-216-841-11 | METAL CHIP | 47K 5% 1/10W |
| R0345 | 1-216-841-11 | METAL CHIP | 47K 5% 1/10W |
| R0350 | 1-216-864-11 | SHORT CHIP | 0 |
| R0357 | 1-216-864-11 | SHORT CHIP | 0 |
| R0359 | 1-216-864-11 | SHORT CHIP | 0 |
| R0360 | 1-216-864-11 | SHORT CHIP | 0 |
| R0402 | 1-216-813-11 | METAL CHIP | 220 5% 1/10W |
| R0404 | 1-216-813-11 | METAL CHIP | 220 5% 1/10W |
| R0405 | 1-216-813-11 | METAL CHIP | 220 5% 1/10W |
| R0410 | 1-216-833-11 | METAL CHIP | 10K 5% 1/10W |
| R0411 | 1-216-833-11 | METAL CHIP | 10K 5% 1/10W |
| R0412 | 1-216-833-11 | METAL CHIP | 10K 5% 1/10W |
| R0413 | 1-216-819-11 | METAL CHIP | 680 5% 1/10W |
| R0414 | 1-216-819-11 | METAL CHIP | 680 5% 1/10W |
| R0415 | 1-216-819-11 | METAL CHIP | 680 5% 1/10W |
| R0416 | 1-216-809-11 | METAL CHIP | 100 5% 1/10W |
| R0417 | 1-218-871-11 | METAL CHIP | 10K 0.5% 1/10W |
| R0418 | 1-216-845-11 | METAL CHIP | 100K 5% 1/10W |
| R0421 | 1-216-832-11 | METAL CHIP | 8.2K 5% 1/10W |
| R0422 | 1-216-809-11 | METAL CHIP | 100 5% 1/10W |
| R0424 | 1-216-809-11 | METAL CHIP | 100 5% 1/10W |
| R0425 | 1-216-809-11 | METAL CHIP | 100 5% 1/10W |
| R0426 | 1-216-809-11 | METAL CHIP | 100 5% 1/10W |
| R0427 | 1-216-809-11 | METAL CHIP | 100 5% 1/10W |
| R0428 | 1-216-818-11 | METAL CHIP | 560 5% 1/10W |
| R0429 | 1-216-809-11 | METAL CHIP | 100 5% 1/10W |
| R0430 | 1-216-864-11 | SHORT CHIP | 0 |
| R0431 | 1-216-825-11 | METAL CHIP | 2.2K 5% 1/10W |
| R0432 | 1-216-821-11 | METAL CHIP | 1K 5% 1/10W |
| R0433 | 1-216-809-11 | METAL CHIP | 100 5% 1/10W |
| R0434 | 1-216-809-11 | METAL CHIP | 100 5% 1/10W |
| R0435 | 1-216-821-11 | METAL CHIP | 1K 5% 1/10W |
| R0436 | 1-216-821-11 | METAL CHIP | 1K 5% 1/10W |
| R0437 | 1-216-826-11 | METAL CHIP | 2.7K 5% 1/10W |
| R0438 | 1-216-809-11 | METAL CHIP | 100 5% 1/10W |
| R0439 | 1-216-821-11 | METAL CHIP | 1K 5% 1/10W |
| R0441 | 1-216-809-11 | METAL CHIP | 100 5% 1/10W |
| R0442 | 1-216-834-11 | METAL CHIP | 12K 5% 1/10W |
| R0443 | 1-218-863-11 | METAL CHIP | 4.7K 0.5% 1/10W |

| REF. NO. | PART NO. | DESCRIPTION | REMARK |
|----------|--------------|-------------|----------------|
| R0444 | 1-216-809-11 | METAL CHIP | 100 5% 1/10W |
| R0445 | 1-216-809-11 | METAL CHIP | 100 5% 1/10W |
| R0446 | 1-216-809-11 | METAL CHIP | 100 5% 1/10W |
| R0448 | 1-216-829-11 | METAL CHIP | 4.7K 5% 1/10W |
| R0449 | 1-218-875-11 | METAL CHIP | 15K 0.5% 1/10W |
| R0450 | 1-216-809-11 | METAL CHIP | 100 5% 1/10W |
| R0452 | 1-216-809-11 | METAL CHIP | 100 5% 1/10W |
| R0453 | 1-216-863-11 | METAL CHIP | 3.3M 5% 1/10W |
| R0454 | 1-216-809-11 | METAL CHIP | 100 5% 1/10W |
| R0455 | 1-216-809-11 | METAL CHIP | 100 5% 1/10W |
| R0456 | 1-216-809-11 | METAL CHIP | 100 5% 1/10W |
| R0457 | 1-216-809-11 | METAL CHIP | 100 5% 1/10W |
| R0458 | 1-216-809-11 | METAL CHIP | 100 5% 1/10W |
| R0469 | 1-216-825-11 | METAL CHIP | 2.2K 5% 1/10W |
| R0470 | 1-216-829-11 | METAL CHIP | 4.7K 5% 1/10W |
| R0471 | 1-216-825-11 | METAL CHIP | 2.2K 5% 1/10W |
| R0472 | 1-216-825-11 | METAL CHIP | 2.2K 5% 1/10W |
| R0474 | 1-216-821-11 | METAL CHIP | 1K 5% 1/10W |
| R0476 | 1-216-821-11 | METAL CHIP | 1K 5% 1/10W |
| R0477 | 1-216-819-11 | METAL CHIP | 680 5% 1/10W |
| R0478 | 1-218-871-11 | METAL CHIP | 10K 0.5% 1/10W |
| R0479 | 1-216-825-11 | METAL CHIP | 2.2K 5% 1/10W |
| R0480 | 1-216-809-11 | METAL CHIP | 100 5% 1/10W |
| R0481 | 1-216-825-11 | METAL CHIP | 2.2K 5% 1/10W |
| R0482 | 1-216-833-11 | METAL CHIP | 10K 5% 1/10W |
| R0484 | 1-216-809-11 | METAL CHIP | 100 5% 1/10W |
| R0485 | 1-216-825-11 | METAL CHIP | 2.2K 5% 1/10W |
| R0486 | 1-216-825-11 | METAL CHIP | 2.2K 5% 1/10W |
| R0487 | 1-216-837-11 | METAL CHIP | 22K 5% 1/10W |
| R0488 | 1-216-825-11 | METAL CHIP | 2.2K 5% 1/10W |
| R0489 | 1-218-879-11 | METAL CHIP | 22K 0.5% 1/10W |
| R0490 | 1-216-825-11 | METAL CHIP | 2.2K 5% 1/10W |
| R0492 | 1-216-825-11 | METAL CHIP | 2.2K 5% 1/10W |
| R0493 | 1-216-864-11 | SHORT CHIP | 0 |
| R0494 | 1-216-864-11 | SHORT CHIP | 0 |
| R0496 | 1-216-809-11 | METAL CHIP | 100 5% 1/10W |
| R0497 | 1-216-825-11 | METAL CHIP | 2.2K 5% 1/10W |
| R0498 | 1-216-825-11 | METAL CHIP | 2.2K 5% 1/10W |
| R0499 | 1-216-825-11 | METAL CHIP | 2.2K 5% 1/10W |
| R0500 | 1-216-825-11 | METAL CHIP | 2.2K 5% 1/10W |
| R0501 | 1-216-825-11 | METAL CHIP | 2.2K 5% 1/10W |
| R0502 | 1-216-825-11 | METAL CHIP | 2.2K 5% 1/10W |
| R0503 | 1-216-825-11 | METAL CHIP | 2.2K 5% 1/10W |
| R0504 | 1-216-825-11 | METAL CHIP | 2.2K 5% 1/10W |
| R0505 | 1-216-825-11 | METAL CHIP | 2.2K 5% 1/10W |
| R0506 | 1-216-825-11 | METAL CHIP | 2.2K 5% 1/10W |
| R0507 | 1-216-809-11 | METAL CHIP | 100 5% 1/10W |
| R0508 | 1-216-809-11 | METAL CHIP | 100 5% 1/10W |
| R0509 | 1-216-809-11 | METAL CHIP | 100 5% 1/10W |
| R0510 | 1-216-809-11 | METAL CHIP | 100 5% 1/10W |
| R0511 | 1-216-809-11 | METAL CHIP | 100 5% 1/10W |
| R0512 | 1-216-809-11 | METAL CHIP | 100 5% 1/10W |
| R0513 | 1-216-809-11 | METAL CHIP | 100 5% 1/10W |
| R0514 | 1-216-845-11 | METAL CHIP | 100K 5% 1/10W |
| R0515 | 1-216-845-11 | METAL CHIP | 100K 5% 1/10W |
| R0516 | 1-216-845-11 | METAL CHIP | 100K 5% 1/10W |
| R0517 | 1-216-829-11 | METAL CHIP | 4.7K 5% 1/10W |
| R0518 | 1-216-825-11 | METAL CHIP | 2.2K 5% 1/10W |
| R0519 | 1-216-821-11 | METAL CHIP | 1K 5% 1/10W |
| R0520 | 1-216-809-11 | METAL CHIP | 100 5% 1/10W |
| R0528 | 1-216-805-11 | METAL CHIP | 47 5% 1/10W |
| R0553 | 1-216-805-11 | METAL CHIP | 47 5% 1/10W |

| REF. NO. | PART NO. | DESCRIPTION | | REMARK | REF. NO. | PART NO. | DESCRIPTION | | REMARK |
|----------|--------------|----------------------------------|---------|--------|----------|----------|------------------|-------------|--------------------|
| R0555 | 1-211-985-11 | METAL CHIP | 47 | 0.5% | 1/10W | | < DIODE > | | |
| R0556 | 1-211-985-11 | METAL CHIP | 47 | 0.5% | 1/10W | | | | |
| R0557 | 1-211-985-11 | METAL CHIP | 47 | 0.5% | 1/10W | D5802 | 8-719-914-44 | DIODE | DAP202K-T-146 |
| R0558 | 1-216-864-11 | SHORT CHIP | 0 | | | D5803 | 8-719-063-66 | DIODE | RD2.2SB-T1 |
| R0560 | 1-216-825-11 | METAL CHIP | 2.2K | 5% | 1/10W | | < FERRITE BEAD > | | |
| R0561 | 1-216-825-11 | METAL CHIP | 2.2K | 5% | 1/10W | | | | |
| R0562 | 1-216-825-11 | METAL CHIP | 2.2K | 5% | 1/10W | | | | |
| R0563 | 1-216-813-11 | METAL CHIP | 220 | 5% | 1/10W | FB5801 | 1-414-921-11 | FERRITE | 0μH |
| R0564 | 1-216-837-11 | METAL CHIP | 22K | 5% | 1/10W | FB5803 | 1-414-921-11 | FERRITE | 0μH |
| | | | | | | FB5804 | 1-414-921-11 | FERRITE | 0μH |
| R0565 | 1-216-845-11 | METAL CHIP | 100K | 5% | 1/10W | FB5805 | 1-414-921-11 | FERRITE | 0μH |
| R0566 | 1-216-853-11 | METAL CHIP | 470K | 5% | 1/10W | FB5806 | 1-414-921-11 | FERRITE | 0μH |
| R0567 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W | | | | |
| R0568 | 1-216-828-11 | METAL CHIP | 3.9K | 5% | 1/10W | FB5807 | 1-414-921-11 | FERRITE | 0μH |
| R0569 | 1-216-839-11 | METAL CHIP | 33K | 5% | 1/10W | | | | |
| R0570 | 1-216-855-11 | METAL CHIP | 560K | 5% | 1/10W | | < IC > | | |
| R0571 | 1-216-825-11 | METAL CHIP | 2.2K | 5% | 1/10W | IC5801 | 6-803-172-11 | IC | SAA5360HL/0004,518 |
| R0572 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W | IC5802 | 8-759-828-44 | IC | NJM2870F33(TE2) |
| R0573 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W | | < TRANSISTOR > | | |
| R0574 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W | | | | |
| R0575 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W | | | | |
| R0577 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W | | | | |
| R0578 | 1-216-817-11 | METAL CHIP | 470 | 5% | 1/10W | Q5801 | 8-729-010-05 | TRANSISTOR | MSB709-RT1 |
| R0579 | 1-216-845-11 | METAL CHIP | 100K | 5% | 1/10W | Q5803 | 8-729-010-25 | TRANSISTOR | MSD601-RT1 |
| R0580 | 1-216-817-11 | METAL CHIP | 470 | 5% | 1/10W | Q5806 | 8-729-010-05 | TRANSISTOR | MSB709-RT1 |
| | | | | | | Q5807 | 8-729-010-05 | TRANSISTOR | MSB709-RT1 |
| R0581 | 1-216-817-11 | METAL CHIP | 470 | 5% | 1/10W | Q5808 | 8-729-010-05 | TRANSISTOR | MSB709-RT1 |
| | | < VIBRATOR > | | | | Q5809 | 8-729-010-25 | TRANSISTOR | MSD601-RT1 |
| X0001 | 1-781-282-51 | VIBRATOR, CERAMIC | | | | Q5811 | 8-729-010-25 | TRANSISTOR | MSD601-RT1 |
| X0002 | 1-781-589-21 | VIBRATOR, CRYSTAL 16MHZ | | | | | < RESISTOR > | | |
| X0401 | 1-760-895-21 | VIBRATOR, CERAMIC 2.7MHZ | | | | R5821 | 1-218-880-11 | METAL CHIP | 24K 0.5% 1/10W |
| | | ***** | | | | R5822 | 1-216-809-11 | METAL CHIP | 100 5% 1/10W |
| | | | | | | R5823 | 1-216-809-11 | METAL CHIP | 100 5% 1/10W |
| | | | | | | R5824 | 1-216-841-11 | METAL CHIP | 47K 5% 1/10W |
| | | | | | | R5828 | 1-216-809-11 | METAL CHIP | 100 5% 1/10W |
| | | * A-1405-648-B T BOARD, COMPLETE | | | | R5829 | 1-216-809-11 | METAL CHIP | 100 5% 1/10W |
| | | ***** | | | | R5830 | 1-216-841-11 | METAL CHIP | 47K 5% 1/10W |
| | | < CAPACITOR > | | | | R5841 | 1-216-809-11 | METAL CHIP | 100 5% 1/10W |
| C5802 | 1-107-826-11 | CERAMIC CHIP | 0.1μF | 10% | 16V | R5842 | 1-216-821-11 | METAL CHIP | 1K 5% 1/10W |
| C5805 | 1-107-826-11 | CERAMIC CHIP | 0.1μF | 10% | 16V | R5843 | 1-216-829-11 | METAL CHIP | 4.7K 5% 1/10W |
| C5806 | 1-107-826-11 | CERAMIC CHIP | 0.1μF | 10% | 16V | R5845 | 1-216-821-11 | METAL CHIP | 1K 5% 1/10W |
| C5815 | 1-107-826-11 | CERAMIC CHIP | 0.1μF | 10% | 16V | R5846 | 1-216-821-11 | METAL CHIP | 1K 5% 1/10W |
| C5816 | 1-126-963-11 | ELECT | 4.7μF | 20% | 50V | R5847 | 1-216-809-11 | METAL CHIP | 100 5% 1/10W |
| C5817 | 1-107-826-11 | CERAMIC CHIP | 0.1μF | 10% | 16V | R5848 | 1-216-809-11 | METAL CHIP | 100 5% 1/10W |
| C5818 | 1-162-924-11 | CERAMIC CHIP | 56pF | 5% | 50V | R5849 | 1-216-809-11 | METAL CHIP | 100 5% 1/10W |
| C5820 | 1-162-924-11 | CERAMIC CHIP | 56pF | 5% | 50V | R5859 | 1-216-811-11 | METAL CHIP | 150 5% 1/10W |
| C5821 | 1-107-826-11 | CERAMIC CHIP | 0.1μF | 10% | 16V | R5860 | 1-216-811-11 | METAL CHIP | 150 5% 1/10W |
| C5822 | 1-162-964-11 | CERAMIC CHIP | 0.001μF | 10% | 50V | R5861 | 1-218-835-11 | METAL CHIP | 330 0.5% 1/10W |
| C5823 | 1-126-963-11 | ELECT | 4.7μF | 20% | 50V | R5862 | 1-216-811-11 | METAL CHIP | 150 5% 1/10W |
| C5826 | 1-126-963-11 | ELECT | 4.7μF | 20% | 50V | R5863 | 1-218-835-11 | METAL CHIP | 330 0.5% 1/10W |
| C5830 | 1-107-826-11 | CERAMIC CHIP | 0.1μF | 10% | 16V | R5864 | 1-216-813-11 | METAL CHIP | 220 5% 1/10W |
| C5831 | 1-126-933-11 | ELECT | 100μF | 20% | 16V | R5866 | 1-243-832-71 | METAL OXIDE | 15 5% 1W |
| C5835 | 1-107-826-11 | CERAMIC CHIP | 0.1μF | 10% | 16V | R5871 | 1-216-812-11 | METAL CHIP | 180 5% 1/10W |
| C5837 | 1-126-933-11 | ELECT | 100μF | 20% | 16V | R5875 | 1-216-817-11 | METAL CHIP | 470 5% 1/10W |
| C5853 | 1-126-963-11 | ELECT | 4.7μF | 20% | 50V | R5876 | 1-216-817-11 | METAL CHIP | 470 5% 1/10W |
| C5854 | 1-165-908-11 | CERAMIC CHIP | 1μF | 10% | 10V | R5877 | 1-216-817-11 | METAL CHIP | 470 5% 1/10W |
| | | < CONNECTOR > | | | | R5878 | 1-216-833-11 | METAL CHIP | 10K 5% 1/10W |
| CN5801* | 1-564-508-11 | PLUG, CONNECTOR 5P | | | | R5882 | 1-218-835-11 | METAL CHIP | 330 0.5% 1/10W |
| CN5803* | 1-564-511-11 | PLUG, CONNECTOR 8P | | | | R5883 | 1-218-841-11 | METAL CHIP | 560 0.5% 1/10W |
| | | | | | | R5884 | 1-216-809-11 | METAL CHIP | 100 5% 1/10W |
| | | | | | | R5886 | 1-216-815-11 | METAL CHIP | 330 5% 1/10W |
| | | | | | | R5887 | 1-218-841-11 | METAL CHIP | 560 0.5% 1/10W |

| REF. NO. | PART NO. | DESCRIPTION | REMARK |
|-----------------------------------|--------------|---------------------|------------|
| R5892 | 1-216-809-11 | METAL CHIP 100 | 5% 1/10W |
| R5893 | 1-218-841-11 | METAL CHIP 560 | 0.5% 1/10W |
| X5801 | 1-578-774-11 | VIBRATOR, CRYSTAL | |
| ***** | | | |
| * A-1302-741-A UG BOARD, COMPLETE | | | |
| ***** | | | |
| < CAPACITOR > | | | |
| C1501 | 1-126-961-11 | ELECT 2.2μF | 20% 50V |
| C1504 | 1-126-961-11 | ELECT 2.2μF | 20% 50V |
| C1505 | 1-107-826-11 | CERAMIC CHIP 0.1μF | 10% 16V |
| C1506 | 1-126-961-11 | ELECT 2.2μF | 20% 50V |
| C1507 | 1-126-961-11 | ELECT 2.2μF | 20% 50V |
| C1508 | 1-115-156-11 | CERAMIC CHIP 1μF | 10V |
| C1509 | 1-115-156-11 | CERAMIC CHIP 1μF | 10V |
| C1510 | 1-115-156-11 | CERAMIC CHIP 1μF | 10V |
| C1511 | 1-115-156-11 | CERAMIC CHIP 1μF | 10V |
| C1512 | 1-115-156-11 | CERAMIC CHIP 1μF | 10V |
| C1513 | 1-115-156-11 | CERAMIC CHIP 1μF | 10V |
| C1514 | 1-164-315-11 | CERAMIC CHIP 470pF | 5% 50V |
| C1515 | 1-164-315-11 | CERAMIC CHIP 470pF | 5% 50V |
| C1516 | 1-164-315-11 | CERAMIC CHIP 470pF | 5% 50V |
| C1517 | 1-164-315-11 | CERAMIC CHIP 470pF | 5% 50V |
| C1518 | 1-164-315-11 | CERAMIC CHIP 470pF | 5% 50V |
| C1519 | 1-162-913-11 | CERAMIC CHIP 8pF | 0.50pF 50V |
| C1520 | 1-162-913-11 | CERAMIC CHIP 8pF | 0.50pF 50V |
| C1521 | 1-164-315-11 | CERAMIC CHIP 470pF | 5% 50V |
| C1523 | 1-107-826-11 | CERAMIC CHIP 0.1μF | 10% 16V |
| C1524 | 1-107-826-11 | CERAMIC CHIP 0.1μF | 10% 16V |
| C1525 | 1-126-933-11 | ELECT 100μF | 20% 16V |
| C1526 | 1-126-964-11 | ELECT 10μF | 20% 50V |
| C1527 | 1-107-826-11 | CERAMIC CHIP 0.1μF | 10% 16V |
| C1528 | 1-126-933-11 | ELECT 100μF | 20% 16V |
| C1529 | 1-107-826-11 | CERAMIC CHIP 0.1μF | 10% 16V |
| C1530 | 1-126-964-11 | ELECT 10μF | 20% 50V |
| C1531 | 1-126-941-11 | ELECT 470μF | 20% 25V |
| C1532 | 1-107-826-11 | CERAMIC CHIP 0.1μF | 10% 16V |
| C1533 | 1-126-933-11 | ELECT 100μF | 20% 16V |
| C1534 | 1-107-826-11 | CERAMIC CHIP 0.1μF | 10% 16V |
| C1535 | 1-126-933-11 | ELECT 100μF | 20% 16V |
| C1536 | 1-164-315-11 | CERAMIC CHIP 470pF | 5% 50V |
| C1537 | 1-164-315-11 | CERAMIC CHIP 470pF | 5% 50V |
| C1538 | 1-164-315-11 | CERAMIC CHIP 470pF | 5% 50V |
| C1539 | 1-164-315-11 | CERAMIC CHIP 470pF | 5% 50V |
| C1542 | 1-126-934-11 | ELECT 220μF | 20% 16V |
| C1543 | 1-126-934-11 | ELECT 220μF | 20% 16V |
| C1550 | 1-115-156-11 | CERAMIC CHIP 1μF | 10V |
| C1551 | 1-115-156-11 | CERAMIC CHIP 1μF | 10V |
| C1552 | 1-115-156-11 | CERAMIC CHIP 1μF | 10V |
| C1553 | 1-115-156-11 | CERAMIC CHIP 1μF | 10V |
| C1554 | 1-164-315-11 | CERAMIC CHIP 470pF | 5% 50V |
| C1555 | 1-164-315-11 | CERAMIC CHIP 470pF | 5% 50V |
| C1563 | 1-107-826-11 | CERAMIC CHIP 0.1μF | 10% 16V |
| C1564 | 1-107-826-11 | CERAMIC CHIP 0.1μF | 10% 16V |
| C1565 | 1-107-826-11 | CERAMIC CHIP 0.1μF | 10% 16V |
| C1566 | 1-109-982-11 | CERAMIC CHIP 1μF | 10% 10V |
| C1567 | 1-162-970-11 | CERAMIC CHIP 0.01μF | 10% 25V |
| C1568 | 1-126-964-11 | ELECT 10μF | 20% 50V |
| C1569 | 1-125-891-11 | CERAMIC CHIP 0.47μF | 10% 10V |
| C1573 | 1-164-505-11 | CERAMIC CHIP 2.2μF | 16V |
| C1574 | 1-164-505-11 | CERAMIC CHIP 2.2μF | 16V |

| REF. NO. | PART NO. | DESCRIPTION | REMARK |
|----------|--------------|----------------------|------------|
| C1575 | 1-126-961-11 | ELECT 2.2μF | 20% 50V |
| C1576 | 1-164-505-11 | CERAMIC CHIP 2.2μF | 16V |
| C1577 | 1-164-505-11 | CERAMIC CHIP 2.2μF | 16V |
| C1578 | 1-126-961-11 | ELECT 2.2μF | 20% 50V |
| C1579 | 1-107-826-11 | CERAMIC CHIP 0.1μF | 10% 16V |
| C1580 | 1-107-826-11 | CERAMIC CHIP 0.1μF | 10% 16V |
| C1581 | 1-125-891-11 | CERAMIC CHIP 0.47μF | 10% 10V |
| C1582 | 1-125-891-11 | CERAMIC CHIP 0.47μF | 10% 10V |
| C1583 | 1-107-826-11 | CERAMIC CHIP 0.1μF | 10% 16V |
| C1584 | 1-126-947-11 | ELECT 47μF | 20% 25V |
| C1585 | 1-107-826-11 | CERAMIC CHIP 0.1μF | 10% 16V |
| C1586 | 1-126-925-91 | ELECT 470μF | 20% 10V |
| C1587 | 1-107-826-11 | CERAMIC CHIP 0.1μF | 10% 16V |
| C1588 | 1-107-826-11 | CERAMIC CHIP 0.1μF | 10% 16V |
| C1589 | 1-107-826-11 | CERAMIC CHIP 0.1μF | 10% 16V |
| C1590 | 1-107-826-11 | CERAMIC CHIP 0.1μF | 10% 16V |
| C1591 | 1-126-947-11 | ELECT 47μF | 20% 25V |
| C1592 | 1-107-826-11 | CERAMIC CHIP 0.1μF | 10% 16V |
| C1593 | 1-107-826-11 | CERAMIC CHIP 0.1μF | 10% 16V |
| C1594 | 1-107-826-11 | CERAMIC CHIP 0.1μF | 10% 16V |
| C1595 | 1-126-941-11 | ELECT 470μF | 20% 25V |
| C1596 | 1-126-933-11 | ELECT 100μF | 20% 16V |
| C1597 | 1-126-941-11 | ELECT 470μF | 20% 25V |
| C1598 | 1-107-826-11 | CERAMIC CHIP 0.1μF | 10% 16V |
| C1599 | 1-164-315-11 | CERAMIC CHIP 470pF | 5% 50V |
| C1600 | 1-164-315-11 | CERAMIC CHIP 470pF | 5% 50V |
| C1601 | 1-115-156-11 | CERAMIC CHIP 1μF | 10V |
| C1602 | 1-115-156-11 | CERAMIC CHIP 1μF | 10V |
| C1603 | 1-107-826-11 | CERAMIC CHIP 0.1μF | 10% 16V |
| C1604 | 1-107-826-11 | CERAMIC CHIP 0.1μF | 10% 16V |
| C1605 | 1-164-505-11 | CERAMIC CHIP 2.2μF | 16V |
| C1606 | 1-164-505-11 | CERAMIC CHIP 2.2μF | 16V |
| C1607 | 1-107-698-11 | ELECT 10μF | 20% 25V |
| C1608 | 1-115-156-11 | CERAMIC CHIP 1μF | 10V |
| C1609 | 1-115-156-11 | CERAMIC CHIP 1μF | 10V |
| C1612 | 1-115-156-11 | CERAMIC CHIP 1μF | 10V |
| C1613 | 1-115-156-11 | CERAMIC CHIP 1μF | 10V |
| C1703 | 1-164-227-11 | CERAMIC CHIP 0.022μF | 10% 25V |
| C1704 | 1-162-970-11 | CERAMIC CHIP 0.01μF | 10% 25V |
| C1705 | 1-125-891-11 | CERAMIC CHIP 0.47μF | 10% 10V |
| C1706 | 1-115-156-11 | CERAMIC CHIP 1μF | 10V |
| C1707 | 1-126-961-11 | ELECT 2.2μF | 20% 50V |
| C1708 | 1-126-947-11 | ELECT 47μF | 20% 25V |
| C1709 | 1-162-915-11 | CERAMIC CHIP 10pF | 0.50pF 50V |
| C1710 | 1-126-947-11 | ELECT 47μF | 20% 25V |
| C1711 | 1-107-826-11 | CERAMIC CHIP 0.1μF | 10% 16V |
| C1716 | 1-107-826-11 | CERAMIC CHIP 0.1μF | 10% 16V |
| C1717 | 1-126-964-11 | ELECT 10μF | 20% 50V |
| C1718 | 1-107-826-11 | CERAMIC CHIP 0.1μF | 10% 16V |
| C1719 | 1-162-970-11 | CERAMIC CHIP 0.01μF | 10% 25V |
| C1722 | 1-126-947-11 | ELECT 47μF | 20% 25V |
| C1723 | 1-162-970-11 | CERAMIC CHIP 0.01μF | 10% 25V |
| C1724 | 1-107-826-11 | CERAMIC CHIP 0.1μF | 10% 16V |
| C1727 | 1-126-947-11 | ELECT 47μF | 20% 25V |
| C1728 | 1-126-963-11 | ELECT 4.7μF | 20% 50V |
| C1729 | 1-107-826-11 | CERAMIC CHIP 0.1μF | 10% 16V |
| C1732 | 1-107-826-11 | CERAMIC CHIP 0.1μF | 10% 16V |
| C1733 | 1-164-315-11 | CERAMIC CHIP 470pF | 5% 50V |
| C1734 | 1-115-156-11 | CERAMIC CHIP 1μF | 10V |
| C1735 | 1-162-970-11 | CERAMIC CHIP 0.01μF | 10% 25V |
| C1830 | 1-107-826-11 | CERAMIC CHIP 0.1μF | 10% 16V |
| C1831 | 1-107-826-11 | CERAMIC CHIP 0.1μF | 10% 16V |

| REF. NO. | PART NO. | DESCRIPTION | REMARK | REF. NO. | PART NO. | DESCRIPTION | REMARK |
|----------|--------------|--------------------------------|--------------|----------|--------------|---|--------|
| C1832 | 1-126-959-91 | ELECT | 47μF 20% 10V | J1502 | 1-750-517-21 | JACK BLOCK, PIN 3P (VIDEO IN 2) | |
| | | < CONNECTOR > | | J1503 | 1-750-517-21 | JACK BLOCK, PIN 3P (MONITOR OUT) | |
| CN1501* | 1-564-526-31 | PLUG, CONNECTOR 11P | | J1504 | 1-750-517-21 | JACK BLOCK, PIN 3P (VIDEO IN 3) | |
| CN1502* | 1-793-498-11 | CONNECTOR, BOARD TO BOARD 50P | | J1505 | 1-537-712-11 | TERMINAL, PUSH (SPEAKER) | |
| CN1504* | 1-785-531-11 | PIN, CONNECTOR (PC BOARD) 12P | | J1508 | 1-815-015-11 | JACK BLOCK, PIN (COMPONENT VIDEO IN 2) | |
| | | < DIODE > | | J1509 | 1-815-015-11 | JACK BLOCK, PIN (COMPONENT VIDEO IN 1) | |
| D1501 | 8-719-977-28 | DIODE DTZ10B | | J1510 | 1-816-597-11 | PIN JACK BLOCK 2P (SYNC HD/VD) | |
| D1502 | 8-719-977-28 | DIODE DTZ10B | | | | < JUMPER RESISTOR > | |
| D1503 | 8-719-977-28 | DIODE DTZ10B | | JR1501 | 1-216-864-11 | SHORT CHIP | 0 |
| D1507 | 8-719-977-28 | DIODE DTZ10B | | JR1507 | 1-216-864-11 | SHORT CHIP | 0 |
| D1508 | 8-719-977-28 | DIODE DTZ10B | | JR1508 | 1-216-864-11 | SHORT CHIP | 0 |
| D1509 | 8-719-977-28 | DIODE DTZ10B | | JR1552 | 1-216-864-11 | SHORT CHIP | 0 |
| D1510 | 8-719-977-28 | DIODE DTZ10B | | JR1701 | 1-216-864-11 | SHORT CHIP | 0 |
| D1511 | 8-719-977-28 | DIODE DTZ10B | | | | < COIL > | |
| D1512 | 8-719-977-28 | DIODE DTZ10B | | L1501 | 1-400-397-11 | INDUCTOR | 10μH |
| D1513 | 8-719-977-28 | DIODE DTZ10B | | L1502 | 1-400-397-11 | INDUCTOR | 10μH |
| D1514 | 8-719-977-28 | DIODE DTZ10B | | L1503 | 1-400-397-11 | INDUCTOR | 10μH |
| D1515 | 8-719-977-28 | DIODE DTZ10B | | L1504 | 1-400-397-11 | INDUCTOR | 10μH |
| D1516 | 8-719-977-28 | DIODE DTZ10B | | L1505 | 1-400-397-11 | INDUCTOR | 10μH |
| D1517 | 8-719-977-28 | DIODE DTZ10B | | L1506 | 1-400-397-11 | INDUCTOR | 10μH |
| D1521 | 8-719-977-28 | DIODE DTZ10B | | L1507 | 1-400-397-11 | INDUCTOR | 10μH |
| D1522 | 8-719-977-28 | DIODE DTZ10B | | L1508 | 1-400-397-11 | INDUCTOR | 10μH |
| D1525 | 8-719-977-28 | DIODE DTZ10B | | L1509 | 1-400-397-11 | INDUCTOR | 10μH |
| D1526 | 8-719-977-28 | DIODE DTZ10B | | L1701 | 1-400-397-11 | INDUCTOR | 10μH |
| D1527 | 8-719-977-28 | DIODE DTZ10B | | L1702 | 1-400-397-11 | INDUCTOR | 10μH |
| D1528 | 8-719-977-28 | DIODE DTZ10B | | L1703 | 1-400-397-11 | INDUCTOR | 10μH |
| D1529 | 8-719-977-28 | DIODE DTZ10B | | L1704 | 1-400-397-11 | INDUCTOR | 10μH |
| D1530 | 8-719-977-28 | DIODE DTZ10B | | | | < TRANSISTOR > | |
| D1531 | 8-719-977-28 | DIODE DTZ10B | | Q1501 | 8-729-010-05 | TRANSISTOR MSB709-RT1 | |
| D1532 | 8-719-977-28 | DIODE DTZ10B | | Q1502 | 8-729-010-05 | TRANSISTOR MSB709-RT1 | |
| D1533 | 8-719-977-28 | DIODE DTZ10B | | Q1503 | 8-729-010-05 | TRANSISTOR MSB709-RT1 | |
| D1534 | 8-719-977-28 | DIODE DTZ10B | | Q1504 | 8-729-010-05 | TRANSISTOR MSB709-RT1 | |
| D1535 | 8-719-977-28 | DIODE DTZ10B | | Q1505 | 8-729-010-05 | TRANSISTOR MSB709-RT1 | |
| D1538 | 8-719-977-28 | DIODE DTZ10B | | Q1506 | 8-729-010-05 | TRANSISTOR MSB709-RT1 | |
| D1539 | 8-719-977-28 | DIODE DTZ10B | | Q1507 | 8-729-010-05 | TRANSISTOR MSB709-RT1 | |
| D1540 | 8-719-081-97 | DIODE MMDL914T1 | | Q1508 | 8-729-010-25 | TRANSISTOR MSD601-RT1 | |
| D1541 | 8-719-081-97 | DIODE MMDL914T1 | | Q1510 | 8-729-010-25 | TRANSISTOR MSD601-RT1 | |
| D1542 | 8-719-081-97 | DIODE MMDL914T1 | | Q1511 | 8-729-010-05 | TRANSISTOR MSB709-RT1 | |
| D1543 | 8-719-081-97 | DIODE MMDL914T1 | | Q1512 | 8-729-010-05 | TRANSISTOR MSB709-RT1 | |
| D1544 | 8-719-977-28 | DIODE DTZ10B | | Q1513 | 8-729-010-05 | TRANSISTOR MSB709-RT1 | |
| D1545 | 8-719-056-82 | DIODE UDX-TE-17-6.2B | | Q1514 | 8-729-010-05 | TRANSISTOR MSB709-RT1 | |
| | | < FERRITE BEAD > | | Q1515 | 8-729-010-05 | TRANSISTOR MSB709-RT1 | |
| FB1701 | 1-469-179-21 | FERRITE | 0μH | Q1516 | 8-729-010-25 | TRANSISTOR MSD601-RT1 | |
| FB1702 | 1-469-179-21 | FERRITE | 0μH | Q1517 | 8-729-010-25 | TRANSISTOR MSD601-RT1 | |
| FB1703 | 1-216-864-11 | SHORT CHIP | 0 | Q1523 | 8-729-010-25 | TRANSISTOR MSD601-RT1 | |
| FB1704 | 1-216-864-11 | SHORT CHIP | 0 | Q1524 | 8-729-010-25 | TRANSISTOR MSD601-RT1 | |
| FB1705 | 1-216-864-11 | SHORT CHIP | 0 | Q1545 | 8-729-010-05 | TRANSISTOR MSB709-RT1 | |
| | | < IC > | | Q1701 | 8-729-010-25 | TRANSISTOR MSD601-RT1 | |
| IC1501 | 8-752-108-00 | IC CXA2189Q-TL | | Q1702 | 8-729-010-05 | TRANSISTOR MSB709-RT1 | |
| IC1502 | 8-752-107-98 | IC CXA2188Q-T4 | | Q1705 | 8-729-010-05 | TRANSISTOR MSB709-RT1 | |
| IC1701 | 8-752-099-05 | IC CXA2163AQ-T6 | | Q1707 | 8-729-010-05 | TRANSISTOR MSB709-RT1 | |
| IC1703 | 8-759-481-08 | IC TC7SET02FU(TE85R) | | Q1711 | 8-729-010-05 | TRANSISTOR MSB709-RT1 | |
| IC1802 | 8-759-642-22 | IC μPC29M05T-E2 | | Q1712 | 8-729-010-05 | TRANSISTOR MSB709-RT1 | |
| | | < JACK > | | Q1713 | 8-729-010-25 | TRANSISTOR MSD601-RT1 | |
| J1501 | 1-774-748-11 | TERMINAL BLOCK, S (VIDEO IN 1) | | Q1714 | 8-729-010-05 | TRANSISTOR MSB709-RT1 | |
| | | | | Q1715 | 8-729-010-25 | TRANSISTOR MSD601-RT1 | |
| | | | | Q1716 | 8-729-010-05 | TRANSISTOR MSB709-RT1 | |

| REF. NO. | PART NO. | DESCRIPTION | REMARK |
|--------------|--------------|-----------------|------------|
| < RESISTOR > | | | |
| R1501 | 1-216-853-11 | METAL CHIP 470K | 5% 1/10W |
| R1502 | 1-216-853-11 | METAL CHIP 470K | 5% 1/10W |
| R1503 | 1-216-811-11 | METAL CHIP 150 | 5% 1/10W |
| R1506 | 1-216-853-11 | METAL CHIP 470K | 5% 1/10W |
| R1507 | 1-216-853-11 | METAL CHIP 470K | 5% 1/10W |
| R1508 | 1-216-811-11 | METAL CHIP 150 | 5% 1/10W |
| R1509 | 1-216-811-11 | METAL CHIP 150 | 5% 1/10W |
| R1510 | 1-216-811-11 | METAL CHIP 150 | 5% 1/10W |
| R1511 | 1-216-853-11 | METAL CHIP 470K | 5% 1/10W |
| R1512 | 1-216-853-11 | METAL CHIP 470K | 5% 1/10W |
| R1513 | 1-216-811-11 | METAL CHIP 150 | 5% 1/10W |
| R1518 | 1-216-825-11 | METAL CHIP 2.2K | 5% 1/10W |
| R1519 | 1-216-809-11 | METAL CHIP 100 | 5% 1/10W |
| R1520 | 1-216-825-11 | METAL CHIP 2.2K | 5% 1/10W |
| R1521 | 1-216-825-11 | METAL CHIP 2.2K | 5% 1/10W |
| R1522 | 1-216-824-11 | METAL CHIP 1.8K | 5% 1/10W |
| R1523 | 1-216-824-11 | METAL CHIP 1.8K | 5% 1/10W |
| R1524 | 1-216-809-11 | METAL CHIP 100 | 5% 1/10W |
| R1525 | 1-216-809-11 | METAL CHIP 100 | 5% 1/10W |
| R1526 | 1-216-821-11 | METAL CHIP 1K | 5% 1/10W |
| R1527 | 1-216-821-11 | METAL CHIP 1K | 5% 1/10W |
| R1528 | 1-216-809-11 | METAL CHIP 100 | 5% 1/10W |
| R1530 | 1-216-809-11 | METAL CHIP 100 | 5% 1/10W |
| R1531 | 1-216-809-11 | METAL CHIP 100 | 5% 1/10W |
| R1532 | 1-216-809-11 | METAL CHIP 100 | 5% 1/10W |
| R1533 | 1-216-825-11 | METAL CHIP 2.2K | 5% 1/10W |
| R1534 | 1-216-833-11 | METAL CHIP 10K | 5% 1/10W |
| R1535 | 1-216-821-11 | METAL CHIP 1K | 5% 1/10W |
| R1536 | 1-216-821-11 | METAL CHIP 1K | 5% 1/10W |
| R1537 | 1-216-821-11 | METAL CHIP 1K | 5% 1/10W |
| R1538 | 1-216-808-11 | METAL CHIP 82 | 5% 1/10W |
| R1539 | 1-216-845-11 | METAL CHIP 100K | 5% 1/10W |
| R1540 | 1-216-845-11 | METAL CHIP 100K | 5% 1/10W |
| R1541 | 1-216-825-11 | METAL CHIP 2.2K | 5% 1/10W |
| R1542 | 1-216-817-11 | METAL CHIP 470 | 5% 1/10W |
| R1543 | 1-216-817-11 | METAL CHIP 470 | 5% 1/10W |
| R1544 | 1-216-821-11 | METAL CHIP 1K | 5% 1/10W |
| R1545 | 1-216-821-11 | METAL CHIP 1K | 5% 1/10W |
| R1548 | 1-216-841-11 | METAL CHIP 47K | 5% 1/10W |
| R1549 | 1-216-809-11 | METAL CHIP 100 | 5% 1/10W |
| R1550 | 1-216-809-11 | METAL CHIP 100 | 5% 1/10W |
| R1551 | 1-216-853-11 | METAL CHIP 470K | 5% 1/10W |
| R1552 | 1-216-821-11 | METAL CHIP 1K | 5% 1/10W |
| R1553 | 1-216-817-11 | METAL CHIP 470 | 5% 1/10W |
| R1554 | 1-216-817-11 | METAL CHIP 470 | 5% 1/10W |
| R1555 | 1-216-853-11 | METAL CHIP 470K | 5% 1/10W |
| R1556 | 1-216-853-11 | METAL CHIP 470K | 5% 1/10W |
| R1558 | 1-216-821-11 | METAL CHIP 1K | 5% 1/10W |
| R1559 | 1-211-990-11 | METAL CHIP 75 | 0.5% 1/10W |
| R1560 | 1-216-809-11 | METAL CHIP 100 | 5% 1/10W |
| R1561 | 1-216-809-11 | METAL CHIP 100 | 5% 1/10W |
| R1562 | 1-216-809-11 | METAL CHIP 100 | 5% 1/10W |
| R1563 | 1-216-843-11 | METAL CHIP 68K | 5% 1/10W |
| R1564 | 1-218-871-11 | METAL CHIP 10K | 0.5% 1/10W |
| R1565 | 1-216-809-11 | METAL CHIP 100 | 5% 1/10W |
| R1566 | 1-216-809-11 | METAL CHIP 100 | 5% 1/10W |
| R1568 | 1-216-809-11 | METAL CHIP 100 | 5% 1/10W |
| R1569 | 1-216-809-11 | METAL CHIP 100 | 5% 1/10W |
| R1570 | 1-216-809-11 | METAL CHIP 100 | 5% 1/10W |
| R1571 | 1-216-809-11 | METAL CHIP 100 | 5% 1/10W |
| R1572 | 1-216-809-11 | METAL CHIP 100 | 5% 1/10W |

| REF. NO. | PART NO. | DESCRIPTION | REMARK |
|----------|--------------|-----------------|----------|
| R1573 | 1-216-809-11 | METAL CHIP 100 | 5% 1/10W |
| R1574 | 1-216-843-11 | METAL CHIP 68K | 5% 1/10W |
| R1575 | 1-216-809-11 | METAL CHIP 100 | 5% 1/10W |
| R1576 | 1-216-809-11 | METAL CHIP 100 | 5% 1/10W |
| R1578 | 1-216-813-11 | METAL CHIP 220 | 5% 1/10W |
| R1579 | 1-216-813-11 | METAL CHIP 220 | 5% 1/10W |
| R1580 | 1-216-809-11 | METAL CHIP 100 | 5% 1/10W |
| R1581 | 1-216-809-11 | METAL CHIP 100 | 5% 1/10W |
| R1582 | 1-216-811-11 | METAL CHIP 150 | 5% 1/10W |
| R1583 | 1-216-809-11 | METAL CHIP 100 | 5% 1/10W |
| R1584 | 1-216-809-11 | METAL CHIP 100 | 5% 1/10W |
| R1585 | 1-216-809-11 | METAL CHIP 100 | 5% 1/10W |
| R1586 | 1-216-811-11 | METAL CHIP 150 | 5% 1/10W |
| R1587 | 1-216-809-11 | METAL CHIP 100 | 5% 1/10W |
| R1588 | 1-216-809-11 | METAL CHIP 100 | 5% 1/10W |
| R1589 | 1-216-809-11 | METAL CHIP 100 | 5% 1/10W |
| R1590 | 1-216-811-11 | METAL CHIP 150 | 5% 1/10W |
| R1591 | 1-216-809-11 | METAL CHIP 100 | 5% 1/10W |
| R1592 | 1-216-811-11 | METAL CHIP 150 | 5% 1/10W |
| R1593 | 1-216-811-11 | METAL CHIP 150 | 5% 1/10W |
| R1594 | 1-216-813-11 | METAL CHIP 220 | 5% 1/10W |
| R1595 | 1-216-813-11 | METAL CHIP 220 | 5% 1/10W |
| R1596 | 1-216-809-11 | METAL CHIP 100 | 5% 1/10W |
| R1597 | 1-216-809-11 | METAL CHIP 100 | 5% 1/10W |
| R1598 | 1-216-821-11 | METAL CHIP 1K | 5% 1/10W |
| R1599 | 1-216-821-11 | METAL CHIP 1K | 5% 1/10W |
| R1600 | 1-216-821-11 | METAL CHIP 1K | 5% 1/10W |
| R1601 | 1-216-821-11 | METAL CHIP 1K | 5% 1/10W |
| R1602 | 1-216-833-11 | METAL CHIP 10K | 5% 1/10W |
| R1603 | 1-216-833-11 | METAL CHIP 10K | 5% 1/10W |
| R1604 | 1-216-821-11 | METAL CHIP 1K | 5% 1/10W |
| R1605 | 1-216-821-11 | METAL CHIP 1K | 5% 1/10W |
| R1606 | 1-216-821-11 | METAL CHIP 1K | 5% 1/10W |
| R1607 | 1-216-821-11 | METAL CHIP 1K | 5% 1/10W |
| R1608 | 1-216-821-11 | METAL CHIP 1K | 5% 1/10W |
| R1609 | 1-216-821-11 | METAL CHIP 1K | 5% 1/10W |
| R1610 | 1-216-821-11 | METAL CHIP 1K | 5% 1/10W |
| R1611 | 1-216-821-11 | METAL CHIP 1K | 5% 1/10W |
| R1612 | 1-216-821-11 | METAL CHIP 1K | 5% 1/10W |
| R1613 | 1-216-821-11 | METAL CHIP 1K | 5% 1/10W |
| R1614 | 1-216-821-11 | METAL CHIP 1K | 5% 1/10W |
| R1615 | 1-216-821-11 | METAL CHIP 1K | 5% 1/10W |
| R1616 | 1-216-821-11 | METAL CHIP 1K | 5% 1/10W |
| R1617 | 1-216-821-11 | METAL CHIP 1K | 5% 1/10W |
| R1618 | 1-216-809-11 | METAL CHIP 100 | 5% 1/10W |
| R1619 | 1-216-809-11 | METAL CHIP 100 | 5% 1/10W |
| R1623 | 1-216-853-11 | METAL CHIP 470K | 5% 1/10W |
| R1624 | 1-216-853-11 | METAL CHIP 470K | 5% 1/10W |
| R1628 | 1-216-853-11 | METAL CHIP 470K | 5% 1/10W |
| R1629 | 1-216-853-11 | METAL CHIP 470K | 5% 1/10W |
| R1630 | 1-216-819-11 | METAL CHIP 680 | 5% 1/10W |
| R1631 | 1-216-819-11 | METAL CHIP 680 | 5% 1/10W |
| R1632 | 1-216-819-11 | METAL CHIP 680 | 5% 1/10W |
| R1633 | 1-216-861-11 | METAL CHIP 2.2M | 5% 1/10W |
| R1634 | 1-216-861-11 | METAL CHIP 2.2M | 5% 1/10W |
| R1649 | 1-216-811-11 | METAL CHIP 150 | 5% 1/10W |
| R1650 | 1-216-811-11 | METAL CHIP 150 | 5% 1/10W |
| R1651 | 1-216-811-11 | METAL CHIP 150 | 5% 1/10W |
| R1652 | 1-216-811-11 | METAL CHIP 150 | 5% 1/10W |
| R1653 | 1-216-811-11 | METAL CHIP 150 | 5% 1/10W |
| R1654 | 1-216-811-11 | METAL CHIP 150 | 5% 1/10W |
| R1655 | 1-216-811-11 | METAL CHIP 150 | 5% 1/10W |
| R1656 | 1-216-811-11 | METAL CHIP 150 | 5% 1/10W |



| REF. NO. | PART NO. | DESCRIPTION | REMARK |
|---------------------|--------------|-------------------------------|---------|
| C9145 | 1-130-495-00 | MYLAR 0.1μF | 5% 50V |
| C9146 | 1-137-194-81 | FILM 0.47μF | 5% 50V |
| C9147 | 1-162-970-11 | CERAMIC CHIP 0.01μF | 10% 25V |
| C9148 | 1-126-947-11 | ELECT 47μF | 20% 25V |
| C9151 | 1-126-947-11 | ELECT 47μF | 20% 25V |
| C9152 | 1-162-974-11 | CERAMIC CHIP 0.01μF | 50V |
| C9153 | 1-165-727-31 | ELECT 120μF | 20% 16V |
| C9154 | 1-162-974-11 | CERAMIC CHIP 0.01μF | 50V |
| < CONNECTOR > | | | |
| CN9100* | 1-564-510-11 | PLUG, CONNECTOR 7P | |
| CN9101* | 1-564-506-11 | PLUG, CONNECTOR 3P | |
| CN9102 | 1-764-334-11 | PLUG, CONNECTOR 11P | |
| CN9103* | 1-770-747-11 | CONNECTOR, BOARD TO BOARD 12P | |
| CN9104* | 1-564-506-11 | PLUG, CONNECTOR 3P | |
| CN9105* | 1-564-506-11 | PLUG, CONNECTOR 3P | |
| < DIODE > | | | |
| D9102 | 8-719-081-97 | DIODE MMDL914T1 | |
| D9104 | 8-719-062-51 | DIODE 1PS226-115 | |
| D9106 | 8-719-060-90 | DIODE S2L60F | |
| D9107 | 8-719-081-97 | DIODE MMDL914T1 | |
| D9108 | 8-719-081-97 | DIODE MMDL914T1 | |
| < FERRITE BEAD > | | | |
| FB9100 | 1-469-578-11 | FERRITE 1.1μH | |
| FB9101 | 1-469-578-11 | FERRITE 1.1μH | |
| < IC > | | | |
| IC9100 | 8-759-822-38 | IC LA6510 | |
| IC9101 | 8-759-700-07 | IC NJM2903M-TE2 | |
| IC9102 | 8-759-701-01 | IC NJM2904M(TE2) | |
| IC9103 | 8-759-822-38 | IC LA6510 | |
| < JUMPER RESISTOR > | | | |
| JR9102 | 1-216-864-11 | SHORT CHIP 0 | |
| JR9103 | 1-216-864-11 | SHORT CHIP 0 | |
| JR9104 | 1-216-864-11 | SHORT CHIP 0 | |
| JR9105 | 1-216-864-11 | SHORT CHIP 0 | |
| JR9106 | 1-216-864-11 | SHORT CHIP 0 | |
| JR9108 | 1-216-864-11 | SHORT CHIP 0 | |
| < COIL > | | | |
| L9100 | 1-412-525-31 | INDUCTOR 10μH | |
| L9101 | 1-406-987-21 | INDUCTOR 4.7mH | |
| L9102 | 1-406-987-21 | INDUCTOR 4.7mH | |
| L9103 | 1-412-537-31 | INDUCTOR 100μH | |
| L9104 | 1-406-979-11 | INDUCTOR 220μH | |
| L9105 | 1-412-536-31 | INDUCTOR 82μH | |
| L9106 | 1-406-987-21 | INDUCTOR 4.7mH | |
| L9107 | 1-406-987-21 | INDUCTOR 4.7mH | |
| < TRANSISTOR > | | | |
| Q9100 | 8-729-010-25 | TRANSISTOR MSD601-RT1 | |
| Q9101 | 8-729-010-25 | TRANSISTOR MSD601-RT1 | |
| Q9102 | 8-729-010-05 | TRANSISTOR MSB709-RT1 | |
| Q9103 | 8-729-010-25 | TRANSISTOR MSD601-RT1 | |

| REF. NO. | PART NO. | DESCRIPTION | REMARK |
|--------------|--------------|------------------------------|------------|
| Q9104 | 8-729-010-05 | TRANSISTOR MSB709-RT1 | |
| Q9105 | 8-729-010-25 | TRANSISTOR MSD601-RT1 | |
| Q9106 | 8-729-010-05 | TRANSISTOR MSB709-RT1 | |
| Q9107 | 8-729-010-25 | TRANSISTOR MSD601-RT1 | |
| Q9108 | 8-729-010-05 | TRANSISTOR MSB709-RT1 | |
| Q9109 | 8-729-010-25 | TRANSISTOR MSD601-RT1 | |
| Q9110 | 8-729-045-04 | TRANSISTOR 2SC5511 | |
| Q9111 | 8-729-045-05 | TRANSISTOR 2SA2005 | |
| Q9112 | 8-729-010-25 | TRANSISTOR MSD601-RT1 | |
| Q9113 | 8-729-010-25 | TRANSISTOR MSD601-RT1 | |
| Q9115 | 8-729-010-05 | TRANSISTOR MSB709-RT1 | |
| Q9116 | 8-729-010-25 | TRANSISTOR MSD601-RT1 | |
| Q9117 | 8-729-052-29 | TRANSISTOR 2SK2876-01MR-F122 | |
| Q9119 | 8-729-010-05 | TRANSISTOR MSB709-RT1 | |
| Q9120 | 8-729-010-25 | TRANSISTOR MSD601-RT1 | |
| < RESISTOR > | | | |
| R9101 | 1-216-805-11 | METAL CHIP 47 | 5% 1/10W |
| R9102 | 1-260-322-11 | CARBON 330 | 5% 1/2W |
| R9103 | 1-216-819-11 | METAL CHIP 680 | 5% 1/10W |
| R9104 | 1-216-820-11 | METAL CHIP 820 | 5% 1/10W |
| R9105 | 1-216-837-11 | METAL CHIP 22K | 5% 1/10W |
| R9106 | 1-218-870-11 | METAL CHIP 9.1K | 0.5% 1/10W |
| R9107 | 1-216-809-11 | METAL CHIP 100 | 5% 1/10W |
| R9108 | 1-216-817-11 | METAL CHIP 470 | 5% 1/10W |
| R9109 | 1-216-817-11 | METAL CHIP 470 | 5% 1/10W |
| R9110 | 1-216-805-11 | METAL CHIP 47 | 5% 1/10W |
| R9111 | 1-216-805-11 | METAL CHIP 47 | 5% 1/10W |
| R9112 | 1-249-389-11 | CARBON 4.7 | 5% 1/4W |
| R9113 | 1-249-389-11 | CARBON 4.7 | 5% 1/4W |
| R9114 | 1-249-389-11 | CARBON 4.7 | 5% 1/4W |
| R9115 | 1-249-389-11 | CARBON 4.7 | 5% 1/4W |
| R9116 | 1-249-389-11 | CARBON 4.7 | 5% 1/4W |
| R9117 | 1-249-389-11 | CARBON 4.7 | 5% 1/4W |
| R9118 | 1-249-389-11 | CARBON 4.7 | 5% 1/4W |
| R9119 | 1-249-389-11 | CARBON 4.7 | 5% 1/4W |
| R9120 | 1-216-829-11 | METAL CHIP 4.7K | 5% 1/10W |
| R9121 | 1-216-848-11 | METAL CHIP 180K | 5% 1/10W |
| R9122 | 1-216-847-11 | METAL CHIP 150K | 5% 1/10W |
| R9123 | 1-216-848-11 | METAL CHIP 180K | 5% 1/10W |
| R9124 | 1-216-847-11 | METAL CHIP 150K | 5% 1/10W |
| R9125 | 1-216-829-11 | METAL CHIP 4.7K | 5% 1/10W |
| R9126 | 1-216-805-11 | METAL CHIP 47 | 5% 1/10W |
| R9127 | 1-216-805-11 | METAL CHIP 47 | 5% 1/10W |
| R9128 | 1-243-572-71 | METAL OXIDE 470 | 5% 2W |
| R9129 | 1-216-864-11 | SHORT CHIP 0 | |
| R9130 | 1-218-853-11 | METAL CHIP 1.8K | 0.5% 1/10W |
| R9131 | 1-218-885-11 | METAL CHIP 39K | 0.5% 1/10W |
| R9132 | 1-218-865-11 | METAL CHIP 5.6K | 0.5% 1/10W |
| R9133 | 1-249-391-11 | CARBON 6.8 | 5% 1/4W |
| R9134 | 1-249-383-11 | CARBON 1.5 | 5% 1/4W |
| R9135 | 1-218-847-11 | METAL CHIP 1K | 0.5% 1/10W |
| R9136 | 1-218-849-11 | METAL CHIP 1.2K | 0.5% 1/10W |
| R9137 | 1-218-887-11 | METAL CHIP 47K | 0.5% 1/10W |
| R9138 | 1-218-869-11 | METAL CHIP 8.2K | 0.5% 1/10W |
| R9139 | 1-218-847-11 | METAL CHIP 1K | 0.5% 1/10W |
| R9141 | 1-214-657-11 | METAL 1 | 1% 1/4W |
| R9142 | 1-214-657-11 | METAL 1 | 1% 1/4W |
| R9143 | 1-243-693-71 | METAL OXIDE 270 | 5% 1W |
| R9144 | 1-243-696-71 | METAL OXIDE 470 | 5% 1W |
| R9146 | 1-216-841-11 | METAL CHIP 47K | 5% 1/10W |
| R9147 | 1-216-833-11 | METAL CHIP 10K | 5% 1/10W |

The components identified by shading and mark Δ are critical for safety.
Replace only with part number specified.



| REF. NO. | PART NO. | DESCRIPTION | | REMARK |
|----------|--------------|-------------|------|------------|
| R9148 | 1-218-875-11 | METAL CHIP | 15K | 0.5% 1/10W |
| R9149 | 1-216-829-11 | METAL CHIP | 4.7K | 5% 1/10W |
| R9152 | 1-218-887-11 | METAL CHIP | 47K | 0.5% 1/10W |
| R9154 | 1-216-837-11 | METAL CHIP | 22K | 5% 1/10W |
| R9155 | 1-249-377-11 | CARBON | 0.47 | 5% 1/4W |
| R9156 | 1-216-841-11 | METAL CHIP | 47K | 5% 1/10W |
| R9157 | 1-216-821-11 | METAL CHIP | 1K | 5% 1/10W |
| R9158 | 1-216-821-11 | METAL CHIP | 1K | 5% 1/10W |
| R9160 | 1-218-847-11 | METAL CHIP | 1K | 0.5% 1/10W |
| R9161 | 1-218-847-11 | METAL CHIP | 1K | 0.5% 1/10W |
| R9163 | 1-216-829-11 | METAL CHIP | 4.7K | 5% 1/10W |
| R9164 | 1-216-829-11 | METAL CHIP | 4.7K | 5% 1/10W |
| R9166 | 1-249-401-11 | CARBON | 47 | 5% 1/4W |
| R9167 | 1-216-809-11 | METAL CHIP | 100 | 5% 1/10W |
| R9168 | 1-218-897-11 | METAL CHIP | 120K | 0.5% 1/10W |
| R9170 | 1-218-899-11 | METAL CHIP | 150K | 0.5% 1/16W |
| R9171 | 1-218-897-11 | METAL CHIP | 120K | 0.5% 1/10W |
| R9172 | 1-218-859-11 | METAL CHIP | 3.3K | 0.5% 1/10W |
| R9174 | 1-216-821-11 | METAL CHIP | 1K | 5% 1/10W |
| R9175 | 1-216-853-11 | METAL CHIP | 470K | 5% 1/10W |
| R9176 | 1-216-833-11 | METAL CHIP | 10K | 5% 1/10W |
| R9177 | 1-218-863-11 | METAL CHIP | 4.7K | 0.5% 1/10W |
| R9178 | 1-216-834-11 | METAL CHIP | 12K | 5% 1/10W |
| R9179 | 1-218-895-11 | METAL CHIP | 100K | 0.5% 1/10W |
| R9180 | 1-216-353-00 | METAL OXIDE | 2.2 | 5% 1W |
| R9181 | 1-218-867-11 | METAL CHIP | 6.8K | 0.5% 1/10W |
| R9182 | 1-218-879-11 | METAL CHIP | 22K | 0.5% 1/10W |
| R9183 | 1-216-857-11 | METAL CHIP | 1M | 5% 1/10W |
| R9184 | 1-218-871-11 | METAL CHIP | 10K | 0.5% 1/10W |
| R9186 | 1-218-887-11 | METAL CHIP | 47K | 0.5% 1/10W |
| R9187 | 1-218-885-11 | METAL CHIP | 39K | 0.5% 1/10W |
| R9188 | 1-218-871-11 | METAL CHIP | 10K | 0.5% 1/10W |
| R9190 | 1-218-873-11 | METAL CHIP | 12K | 0.5% 1/10W |
| R9191 | 1-218-889-11 | METAL CHIP | 56K | 0.5% 1/10W |
| R9192 | 1-218-881-11 | METAL CHIP | 27K | 0.5% 1/10W |
| R9195 | 1-216-853-11 | METAL CHIP | 470K | 5% 1/10W |
| R9196 | 1-218-887-11 | METAL CHIP | 47K | 0.5% 1/10W |
| R9197 | 1-216-857-11 | METAL CHIP | 1M | 5% 1/10W |
| R9198 | 1-218-841-11 | METAL CHIP | 560 | 0.5% 1/10W |
| R9199 | 1-218-849-11 | METAL CHIP | 1.2K | 0.5% 1/10W |
| R9200 | 1-218-893-11 | METAL CHIP | 82K | 0.5% 1/10W |
| R9203 | 1-216-837-11 | METAL CHIP | 22K | 5% 1/10W |
| R9204 | 1-216-849-11 | METAL CHIP | 220K | 5% 1/10W |
| R9205 | 1-214-800-11 | METAL | 2.2 | 1% 1/2W |
| R9206 | 1-216-849-11 | METAL CHIP | 220K | 5% 1/10W |
| R9207 | 1-216-837-11 | METAL CHIP | 22K | 5% 1/10W |

| REF. NO. | PART NO. | DESCRIPTION | REMARK |
|----------|--------------|------------------------------|--------|
| | | MISCELLANEOUS | ***** |
| Δ | 1-451-498-21 | COIL, NA ROTATION | |
| Δ | 1-451-551-13 | DEFLECTION YOKE (Y32VEC-T) | |
| Δ | 1-456-398-11 | DEGAUSSING COIL (WITH LCC) | |
| Δ | 1-456-398-21 | DEGAUSSING COIL (WITH LCC) | |
| | 1-500-497-11 | FILTER, CLAMP (FERRITE CORE) | |
| | 1-543-993-11 | CORE, FERRITE | |
| Δ | 1-757-345-11 | CORD, POWER (WITH FILTER) | |
| | 1-825-574-11 | LOUDSPEAKER (5.5X13cm) | |
| | 1-825-575-11 | LOUDSPEAKER (5cm) | |
| | 1-900-275-97 | LEAD ASSY (B), SPEAKER | |
| Δ | 8-453-022-21 | NA2920-M2 | |
| Δ | 8-735-110-05 | CRT 32RVEN | |

ACCESSORIES & PACKING MATERIALS

- 3-701-910-00 SCREW, SPECIAL (DIA. 3.8X20)
- * 4-091-319-01 BAG, PROTECTION
- * 4-101-900-01 INDIVIDUAL CARTON
- * 4-096-375-01 TRAY
- * 4-096-376-01 CUSHION UPPER
- * 4-096-377-01 CUSHION LOWER
- 4-098-757-11 MANUAL, INSTRUCTION
- * 4-097-268-01 POST, CORNER (REAR)
- 4-392-003-01 BAND, HOLD
- 4-392-004-11 CLIP
- *****
- 1-478-287-11 STANDARD TYPE COMMANDER (RM-1008)
- 9-885-019-97 LID, BATTERY CASE (FOR REMOTE COMMANDER)

顺达数码

顺达摄影器材有限公司

电话: 0516-2951707

SONY®

4-098-757-11 (1)

www.DataSheet4U.com

Trinitron Color TV

Operating Instructions

- Before operating the unit, please read this manual thoroughly and retain it for future reference.

FD Trinitron
WEGA

KV-HX32

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MS1

WARNING

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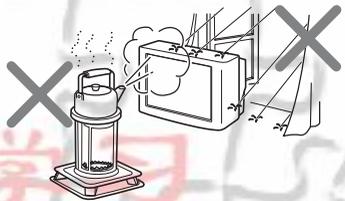
- Dangerously high voltages are present inside the TV.
- TV operating voltage: 220-240 V AC.
- Do not plug in the power cord until you have completed making all other connections; otherwise a minimum leakage current might flow through the antenna and other terminals to ground.
- To avoid battery leakage and damage to the remote, remove the batteries from the remote if you are not going to use it for several days. If any liquid leaks from the batteries and touches your skin, immediately wash it away with water.



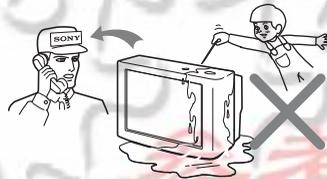
For your own safety, do not touch any part of the TV, the power cord and the antenna cable during lightning storms.



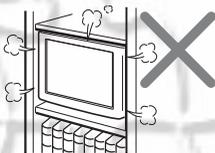
For children's safety, do not leave children alone with the TV. Do not allow children to climb onto it.



To prevent fire or shock hazard, do not expose the TV to rain or moisture.



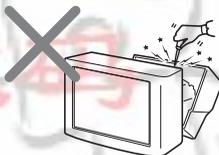
Do not operate the TV if any liquid or solid object falls into it. Have it checked immediately by qualified personnel only.



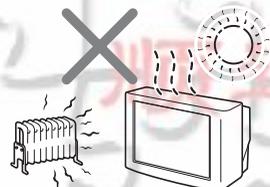
Do not block the ventilation openings of the TV. Do not install the TV in a confined space, such as a bookcase or built-in cabinet.



Clean the TV with a dry and soft cloth. Do not use benzene, thinner, or any other chemicals to clean the TV. Do not attach anything (e.g., adhesive tape, cellophane tape, glue) on the painted cabinet of the TV. Do not scratch the picture tube.

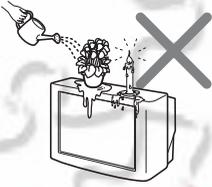


Do not open the cabinet and the rear cover of the TV as high voltages and other hazards are present inside the TV. Refer servicing and disposal of the TV to qualified personnel.

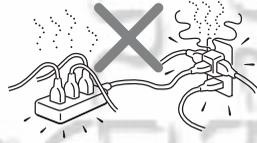


Your TV is recommended for home use only. Do not use the TV in any vehicle or where it may be subject to excessive dust, heat, moisture or vibrations.

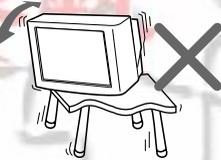
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Do not place any objects on the TV. The apparatus shall not be exposed to dripping or splashing and that no objects filled with liquids, such as vases, shall be placed on the apparatus.



Do not plug in too many appliances to the same power socket. Do not damage the power cord.



Install the TV on a stable TV stand and floor which can support the TV set weight. Ensure that the TV stand surface is flat and its area is larger than the bottom area of the TV.



Pull the power cord out by the plug. Do not pull the power cord itself. Even if your TV is turned off, it is still connected to the AC power source (mains) as long as the power cord is plugged in. Unplug the TV before moving it or if you are not going to use it for several days.

The features you will enjoy include:

- “DRC-MF” for viewing higher quality pictures (page 21)
- “Picture Mode” / “Sound Mode” / “Surround” for customizing your TV (pages 20 and 26)
- “Wide Screen” to enjoy wide mode pictures (page 22)

Your TV also offers the following features:

- Initial Setup function for on-screen language selection, picture position adjustment and automatic channel presetting. (page 9)
- Menu language options — English/Chinese/Arabic (page 47)
- “Program Block” for locking out specific channels (page 56)
- “Intelligent Volume” for automatic volume adjustment (page 43)
- “Fine” tuning feature (page 52)
- Button Joystick  on the remote control for easier operation (page 38)
- “Eco Mode” to save energy (page 48)
- “Game Mode” for video games (page 48)

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Adjusting Your Setup (MENU)

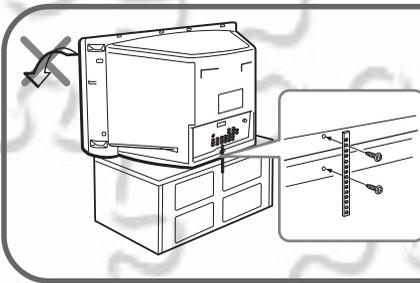
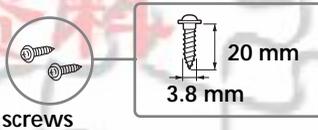
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Getting Started

Step 1

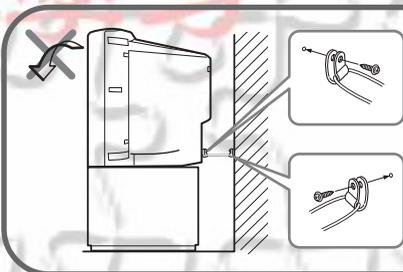
Secure the TV

To prevent the TV from falling, use the supplied screws, clamps and band to secure the TV.



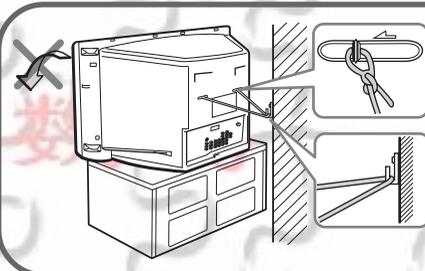
Screw the band to the TV stand and to the provided hole at the rear of your TV.

or



- (1) Put a cord or chain through the clamps.
- (2) Screw one clamp to a wall or pillar and the other clamp to the provided hole at the rear of your TV.

or



- (1) Attach each end of a cord or chain to the provided holders at the rear of your TV.
- (2) Securely fix the attached cord or chain to a wall or pillar using an attachment which can support the TV set weight.

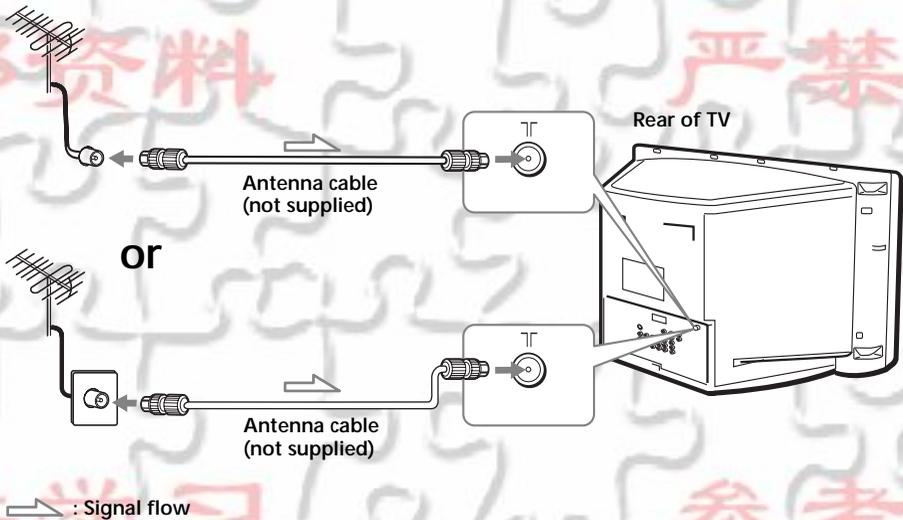
Note

- Use only the supplied screws. Use of other screws may damage the TV.

Step 2

Connect the antenna

If you wish to connect a VCR, see the “Connect a VCR” diagram on page 8.



For optimum Performance

To connect the TV to the antenna or the VCR, use a coaxial cable.

Note that one end of the cable has a male plug fitted while the other end is fitted with a female socket. Connect the male plug to the ♀ (antenna) terminal of the TV.

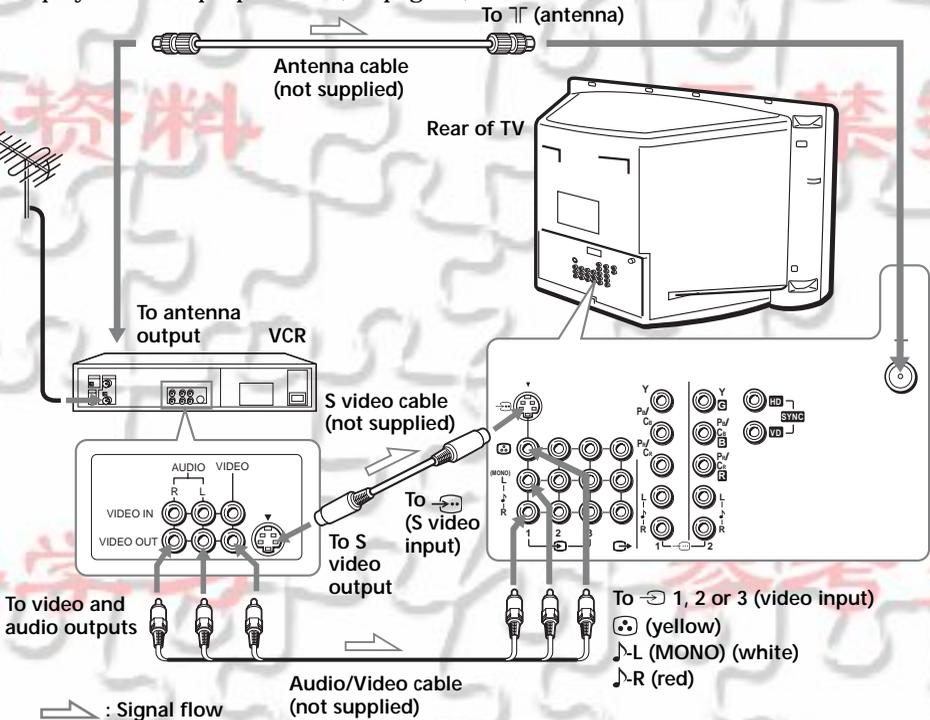
CAUTION

Do not connect the power cord until all other connections are complete; otherwise, a minimal current leakage through the antenna and/or other terminals to the ground could occur.

Getting Started (continued)

Connect a VCR

To play a video tape, press  (see page 18).



Notes

- If you connect a monaural VCR, connect the yellow plug to  (the yellow jack) and the black plug to  (the white jack).
- If you connect a VCR to the Υ (antenna) terminal, preset the signal output from the VCR to the program number 0 on the TV.
- When you connect a VCR to the S video input, display the "Setup" menu and select "Auto" for "S Input" (see page 49). If the signals are input to both  (S video input) and  (video input), the S video signal is automatically selected. To view the video signal input to  (video input), select "Off" for "S Input".

Step 3

Insert the batteries into the remote



Note

- Do not use old batteries or different types of batteries. www.DataSheet4U.com

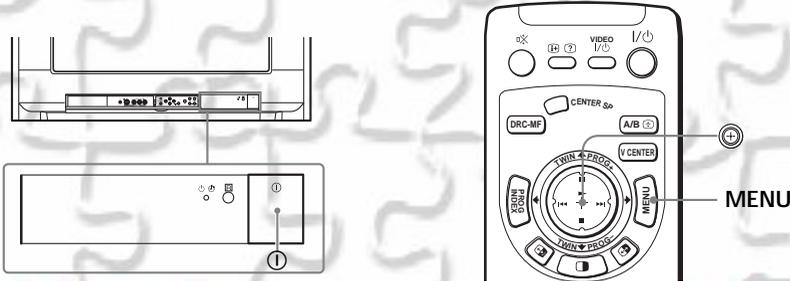
Step 4

Set up your TV automatically

When you first turned on the TV, the “Picture Rotation” and “Picture V-Position” menus will appear in the process of “Initial Setup”. These menus allow you to adjust the inclination of picture, shift of the picture vertical position, and color patches caused by the earth’s magnetic field. (These phenomena do not indicate the TV’s problem.) Adjust “Picture Rotation” and “Picture V-Position” appropriately.

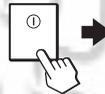
Tip

- When you install the TV to another location, make sure to adjust “Picture Rotation” and “Picture V-Position” using the menu (see page 50).



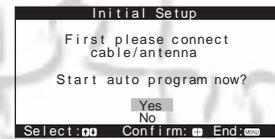
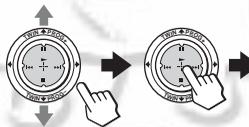
1 Press ① to turn on the TV.

The “Initial Setup” menu appears, and you can select the on-screen language.

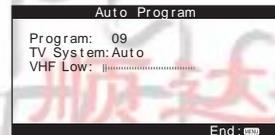
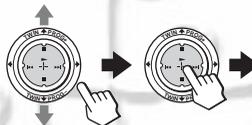


2 Move ② up or down to select the desired language, then press ③.

“Start auto program now?” appears.



3 Move ④ up or down to select “Yes”, then press ⑤ to preset the channels automatically.

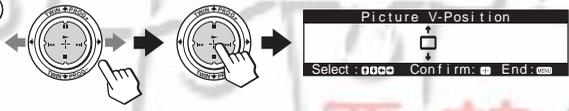


The screen will indicate automatic presetting is in progress. After channel presetting is complete, the “Picture Rotation” menu appears.



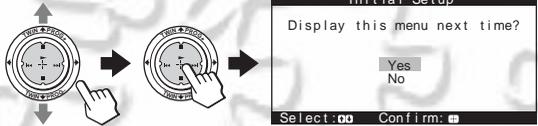
Getting Started (continued)

- 4** If the upper and lower bars are slanted, move  left or right so that they become horizontal, then press .



“Picture V-Position” menu appears.

- 5** If the upper and lower bars are not equally positioned to the top and bottom of the screen, move  up or down to adjust them, then press .



“Display this menu next time?” appears.

- 6** Move  up or down to select “No”, then press .

The “Initial Setup” menu will not appear again the next time you turn on the TV by pressing .

To allow this menu to appear again, select “Yes”, then press .

Tips

- You can immediately go to the end of the “Initial Setup” menu by pressing MENU.
- If your TV has preset an unwanted channel or cannot preset a particular channel, then preset your TV manually (see page 51).

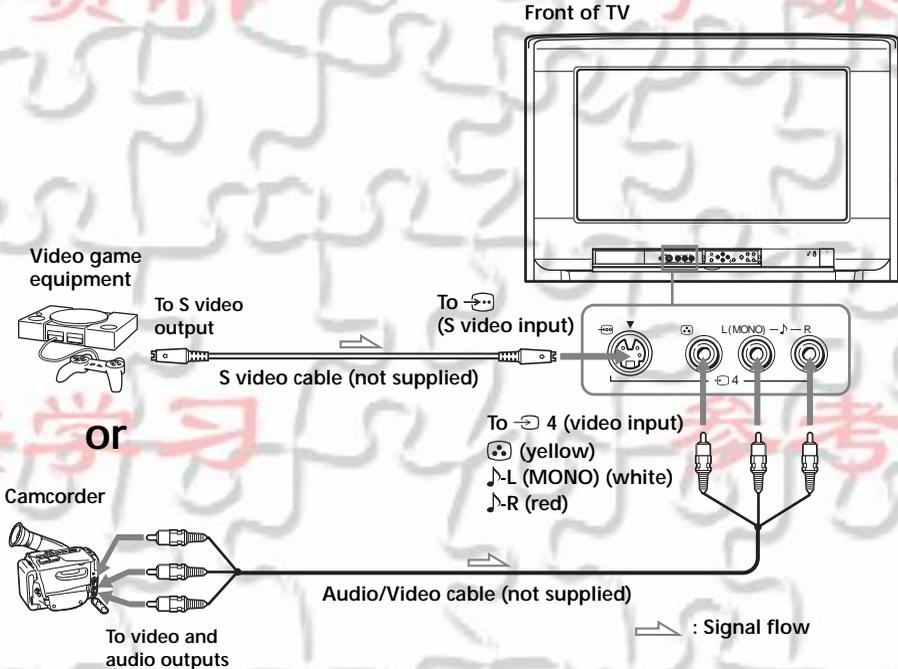
Notes

- Before adjusting “Picture Rotation” and “Picture V-Position”, keep external speakers or other electrical equipment away from the TV. The magnetic disturbance from these equipment or the direction of the earth’s magnetic field may affect the TV.
- If you do not succeed in adjusting “Picture Rotation” and “Picture V-Position”, turn off the TV and change its location or direction, then try to adjust using the menu. Do not move the TV while the TV is turned on. If you do, abnormal color patches may appear on the picture. Press  on the TV to turn off the TV for about 15 minutes, then turn it on again to demagnetize the TV.
- When adjusting “Picture Rotation”, adjust the value step by step. If you rotate the bars largely at a time, color distortion may occur.
- You cannot adjust “Picture Rotation” and “Picture V-Position” when HD signals are input.

Connecting optional components

You can connect optional audio/video components, such as a VCR, a DTV (Digital Television) receiver, multi disc player, camcorder, video game, or stereo system. To watch and operate the connected equipment, see pages 18 and 31.

Connecting a camcorder/video game equipment using 4 (video input 4) jacks

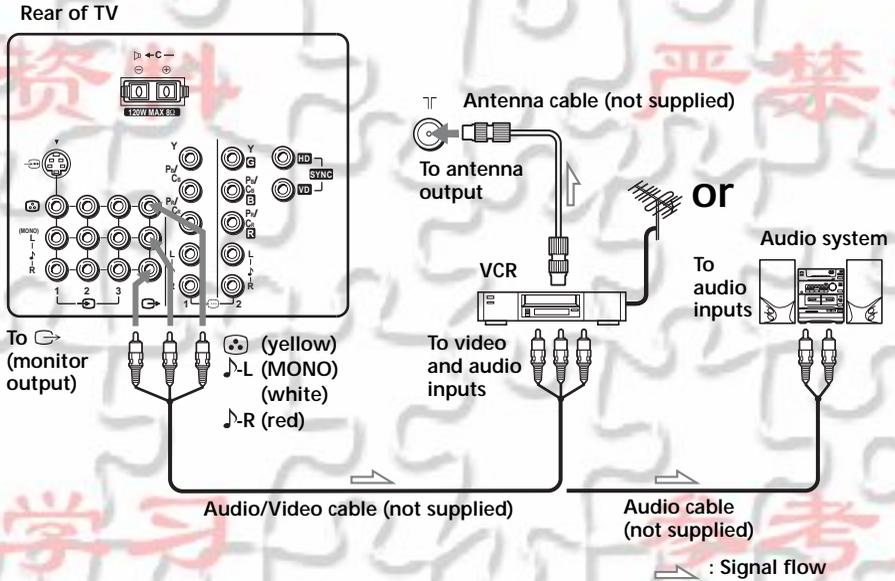


Notes

- When connecting video game equipment, display the “Setup” menu and select “On” for “Game Mode” to adjust the picture setting that is suitable for video games (see page 48).
- You can also connect video equipment to the , 1, 2, or 3 (video input) jacks at the rear of your TV.
- When you connect video equipment to the  (S video input) and  (video input), the S video signal is automatically selected. To view the video signal input to  (video input), select “Off” for “S Input”.

Connecting optional components (continued)

Connecting audio/video equipment using the (monitor output) jacks

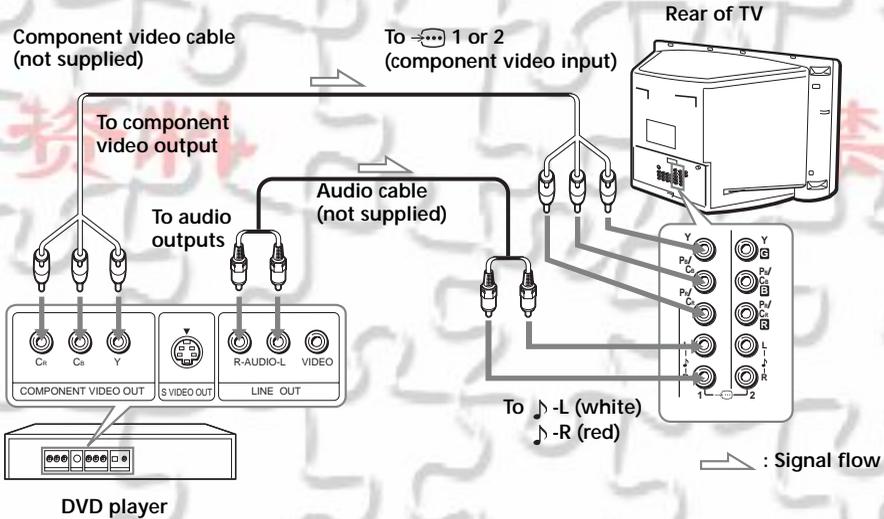


Note

- If you select “HD/DVD 1” or “HD/DVD 2” on your TV screen (see page 18), sound will be heard but no picture will be output from  (monitor output). This does not indicate a malfunction.

Connecting a DVD player to (component video input) 1 or 2 jacks

Using Your New TV



Notes

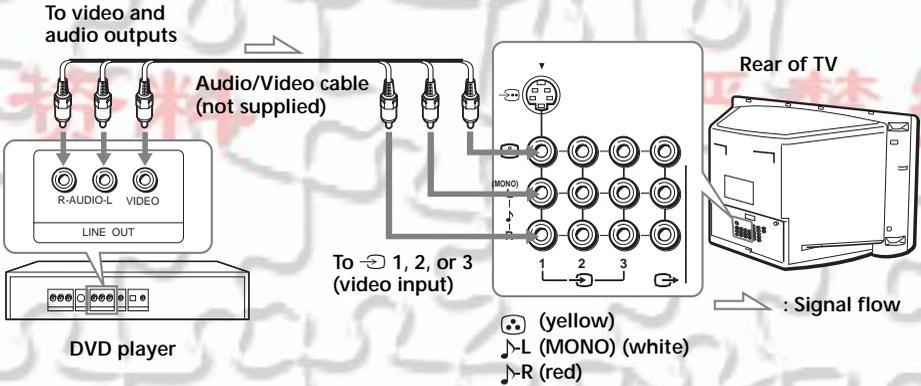
- Some DVD player terminals may be labeled differently:

| Connect | To (on the DVD player) |
|--------------|------------------------|
| Y (green) | Y |
| Pb/Cb (blue) | Cb, B-Y or Pb |
| Pr/Cr (red) | Cr, R-Y or Pr |

- Connect nothing to the HD/VD jacks when connecting a DVD player to  1 or 2 (component video input).
- If you select “HD/DVD 1” or “HD/DVD 2” on your TV screen (see page 18), sound will be heard but no picture will be output from  (monitor output). This does not indicate a malfunction.
- When receiving a progressive signal through  (component video input), “DRC-MF” and “Game Mode” are not selectable.

Connecting optional components (continued)

Connecting a DVD player to (video input) 1, 2 or 3 jacks

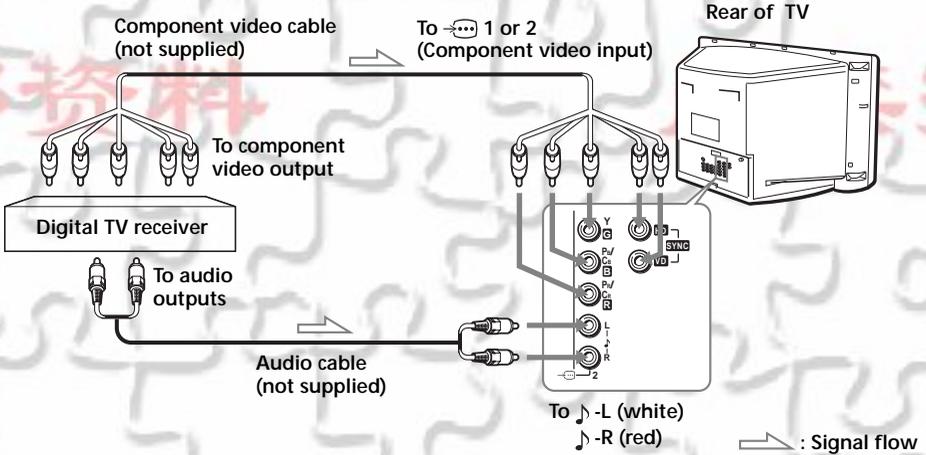


Notes

- Since the high quality pictures on a DVD disc contain a lot of information, picture noise may appear. In this case, display the "Picture" menu and select "Personal" for "Picture Mode", then adjust the sharpness ("Sharpness") under "Picture Adjustment" (see page 41).
- You can also connect a DVD player to  (S video input) on the TV.

Connecting a DTV (digital television) receiver to 1 or 2 (component video input) jacks

Using Your New TV



Note

- The TV is equipped with the G/B/R/HD/VD inputs. If your DTV receiver is equipped with the Y/P_B/P_R output connectors, connect it to the Y/P_B/P_R connectors of 1 or 2. Connect nothing to the HD/VD connectors of 2. If your DTV receiver is not equipped with the Y/P_B/P_R output connectors, connect it to the G/B/R/HD/VD connectors of 2.

Tip

- The TV accepts the following signal formats:

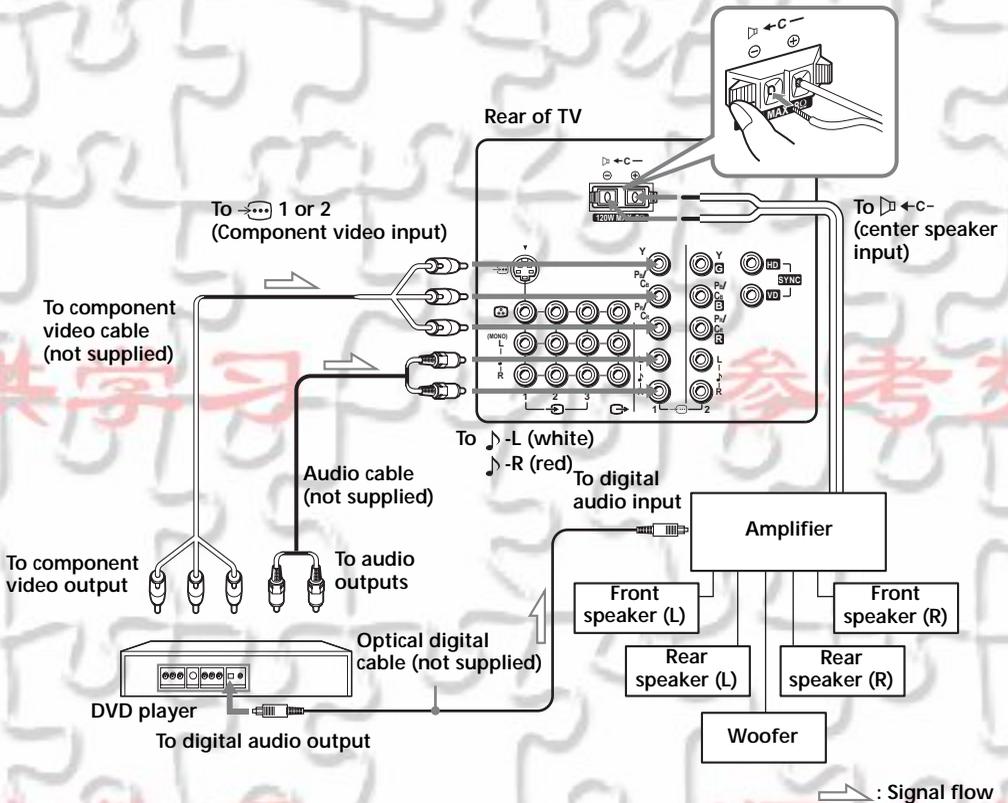
| Total scanning line | Effective scanning line | fV (Hz) |
|---------------------|-------------------------|---------|
| 1125i | 1080i | 50/60 |
| 750p | 720p | 50/60 |
| 625p | 576p | 50 |
| 625i | 576i | 50 |
| 525p | 480p | 60 |
| 525i | 480i | 60 |

Connecting optional components (continued)

Connecting an amplifier

If you use an amplifier with a Dolby* surround decoder instead of the TV's audio system, you can use the TV's speakers as the center speaker for your audio system.

Using the speaker cords supplied with the amplifier, connect the speaker terminals of the amplifier to the $\leftarrow C \rightarrow$ (center speaker input) terminals on the TV.



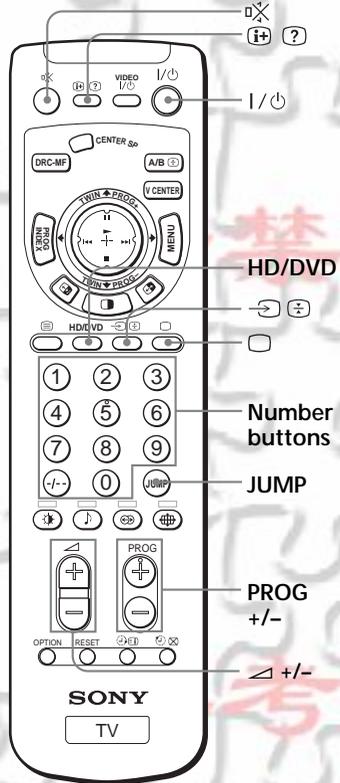
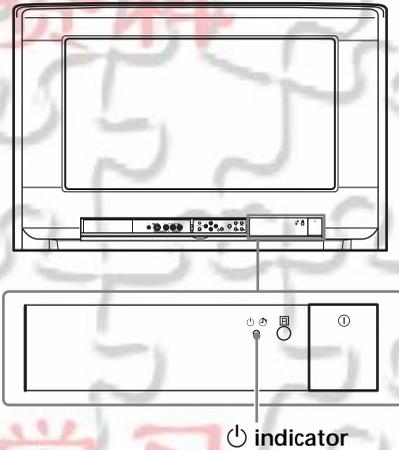
Note

- To use the TV's speakers as the center speaker, display the "Sound" menu and select "CENTER IN" for "Speaker" (see page 43).

* "Dolby" is a trademark of Dolby Laboratories.

Watching the TV

This section explains various functions and operations used while watching the TV. Most operations can be done using the remote.



1 Press **⏻** to turn on the TV.

When the TV is in standby mode (the **⏻** indicator on the TV is lit red), press **I/⏻** on the remote.



2 Press **PROG +/-** or the number buttons to select the TV channel.

For double digit numbers, press **-/-**, then the number (e.g., for 25, press **-/-**, then 2 and 5).



Note

- When you turn on the TV, either the program number or video mode is displayed for approximately 40 seconds. The Eco Mode (Eco) icon will also appear if "Eco Mode" in the "Setup" menu is set to "On" (see page 48).

Watching the TV (continued)

To select a TV program quickly

- 1 Press and hold PROG +/-.
- 2 Release PROG +/- when the desired program number appears.

Note

- When you select a TV program quickly, the picture may be disrupted. This does not indicate a malfunction.

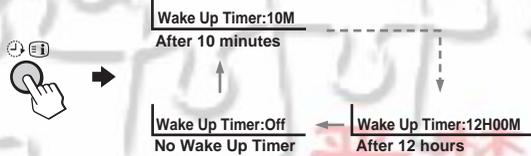
Additional tasks

| To | Press |
|---|---|
| Turn off temporarily | I/⏻. The ⏻ indicator on the TV lights up red. |
| Turn off completely | Ⓛ on the TV. |
| Adjust the volume | ◀ +/-. |
| Mute the sound | ⊘. |
| Watch the video input (VCR, camcorder, etc.) | ↺ (or ↻ on the TV) to select "VIDEO 1", "VIDEO 2", "VIDEO 3", "VIDEO 4", "HD/DVD 1" or "HD/DVD 2". To return to the TV screen, press □ (or ↻ on the TV). |
| Watch the component input (DVD, DTV receiver) | HD/DVD to select "HD/DVD 1" or "HD/DVD 2". To return to the TV screen, press □ (or ↻ on the TV). |
| Jump back to the previous channel | JUMP. |
| Display the on-screen information* | ⓘ. |

- * Some picture/sound settings, and either the program number or video mode are displayed. The on-screen display for the picture/sound settings disappears after about 3 seconds.

Setting the Wake Up timer

- 1 Press  until the desired period of time appears.
The Wake Up timer starts immediately after you have set it.



- 2 Select the TV channel or video mode you want to wake up to.
- 3 Press , or set the Sleep timer if you want the TV to turn off automatically. The  indicator on the TV lights up orange.

To cancel the Wake Up timer

Press  until “Wake Up Timer: Off” appears, or press  on the TV to turn it off.

Note

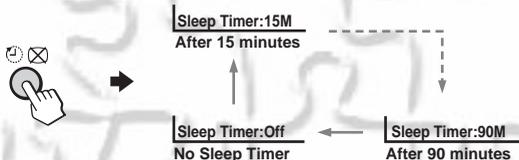
- If no buttons or controls are pressed for more than two hours after the TV is turned on using the Wake Up timer, the TV automatically goes into standby mode. To resume watching the TV, press any button on the TV or the remote.

Setting the Sleep timer

Press  until the desired period of time appears.

You can select the period of time from among 15, 30, 45, 60, 75 and 90 minutes.

The Sleep timer starts immediately after you have set it.

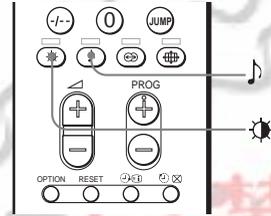


To cancel the Sleep timer

Press  until “Sleep Timer: Off” appears, or turn the TV off.

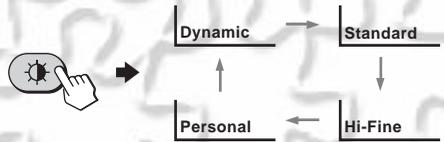
Selecting the picture and sound modes

You can select picture and sound modes and adjust the setting to your preference in the “Personal” option.



Selecting the picture mode

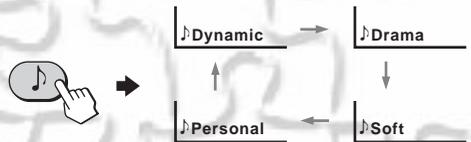
Press repeatedly until the desired picture mode is selected.



| Select | To |
|------------|--|
| “Dynamic” | receive high contrast pictures. |
| “Standard” | receive normal pictures. |
| “Hi-Fine” | receive higher resolution pictures with mild contrast. |
| “Personal” | receive the last adjusted picture setting from the “Picture Adjustment” menu under the “Picture” menu (see page 41). |

Selecting the sound mode

Press repeatedly until the desired sound mode is selected.



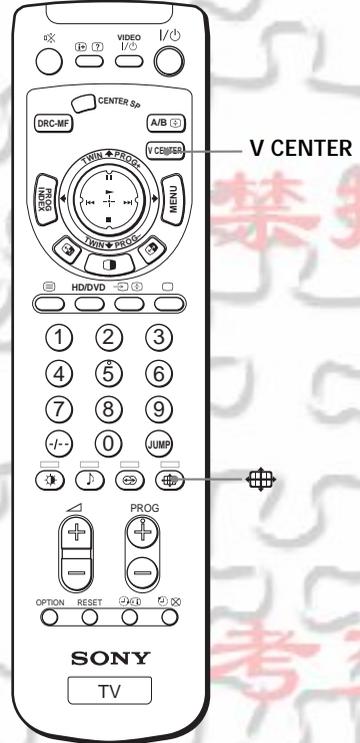
| Select | To |
|------------|--|
| “Dynamic” | listen to dynamic and clear sound that emphasizes both the low and high tones. |
| “Drama” | listen to sound that emphasizes voice and high tones. |
| “Soft” | receive soft sound. |
| “Personal” | receive the last adjusted sound setting from the “Sound Adjustment” menu under the “Sound” menu (see page 42). |

Tip

- You can also set the picture and sound modes using the menu (see “Changing the “Picture” setting” on page 39 and “Changing the “Sound” setting” on page 42).

Using wide screen mode

The wide screen mode feature allows you to watch the picture filling the 16:9 screen of the TV.



Watching the picture in wide screen mode automatically — AUTO WIDE

The TV automatically selects optimum wide screen mode according to the signal input and displays the picture to fill the 16:9 screen.

Notes

- The AUTO WIDE feature may not work correctly depending on the quality of signal. In this case, select the wide screen mode manually using the  button (see page 24).
- The examples in the table on page 23 show the settings preset at the factory; “Auto Wide” is set to “On” and “4:3 Default” is set to “Wide Zoom” in the “Wide Screen” menu (see page 45).

| When receiving ... | AUTO WIDE functions to select ... | The picture changes to ... |
|---|-----------------------------------|--|
| normal 4:3 aspect ratio picture with an ID-1 or S1 signal or a signal without ID-1. | Wide Zoom* → | enlarge the 4:3 picture, with the upper and lower parts condensed to fit the 16:9 screen. |
| 4:3 letter box movie or a video or DVD with an ID-1 signal. | Zoom → | enlarge the picture horizontally and vertically in an equal aspect ratio that fills the 16:9 screen**. |
| 4:3 squeezed video camera picture with an ID-1 or S1 signal. | Full → | enlarge the picture horizontally only, to fill the 16:9 screen. |
| HDTV 16:9 picture | Full → | An HDTV 16:9 picture is always displayed in "Full" mode. |

- * When a normal 4:3 picture is received, "Wide Zoom" mode is automatically selected with the factory setting. You can display that picture as it is without enlarging it ("Normal" mode) if you set "4:3 Default" in the "Wide Screen" menu to "Normal" (see page 45).



** Black bands may appear on the top and bottom of the screen.

Note

- The 720p/1080i format signal is always displayed in "Full" mode even if it has no ID-1 signal.

Using wide screen mode (continued)

Watching the picture in wide screen mode manually

You can select the desired wide screen mode manually.

Press  repeatedly until the mode indication you want is displayed on the screen.

For details on each mode, see “Watching the picture in wide screen mode automatically”.



Notes

- You can also select the wide screen mode manually using the menu (see page 45).
- When the wide screen mode is selected by pressing the  button on the remote or using the menu, the AUTO WIDE feature does not work temporarily.
The AUTO WIDE feature functions again when:
 - you change a TV channel with PROG +/-.
 - you change the video input with .
 - the TV is turned off and on again.
- The 720p/1080i format signal (HDTV 16:9 picture) is always displayed in “Full” mode.
- You can adjust the vertical position of the picture when wide screen mode is set to “Wide Zoom” or “Zoom” (see page 25).

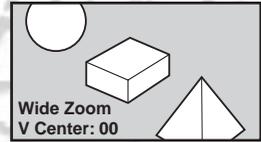
Adjusting the position of the picture

You can adjust the vertical position of the picture when

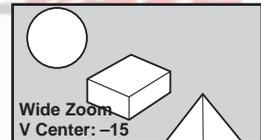
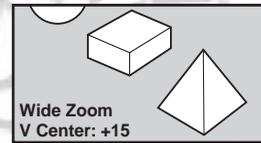
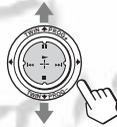
- the upper or lower part of the picture cannot be seen in “Wide Zoom” mode.
- you want to adjust the vertical position of the picture in the screen for “Zoom” mode.

This feature is available only for “Wide Zoom” and “Zoom” modes.

1 Press V CENTER.



2 Move \odot up or down to move the picture up or down.



3 Press \odot .

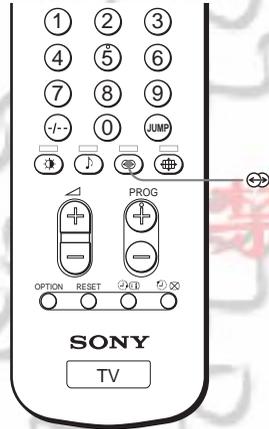


Notes

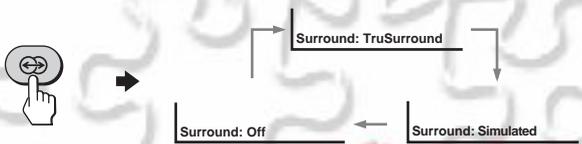
- The adjusted V Center value remains stored even after the TV is turned off.
- You can also adjust the position of the picture in “Wide Zoom” and “Zoom” modes using the menu (see page 45).

Listening with surround sound

The surround feature enables you to enjoy the sound effects of a concert hall or movie theater.



Press  repeatedly until you receive the desired surround sound.



| Select | To |
|----------------|--|
| "TruSurround"* | listen to the surround sound that spreads out to the rear of a room. |
| "Simulated" | listen to monaural sound with a stereo-like effect. |
| "Off" | turn off the surround sound. |

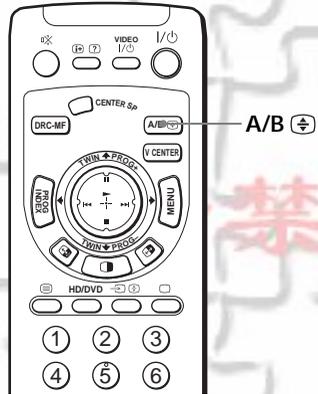
* TruSurround, SRS and the (●)® symbol are trademarks of SRS Labs, Inc. TruSurround technology is incorporated under license from SRS Labs, Inc.

Note

- You cannot change the surround sound when the TV is in the center speaker mode (page 34).

Enjoying stereo or bilingual programs

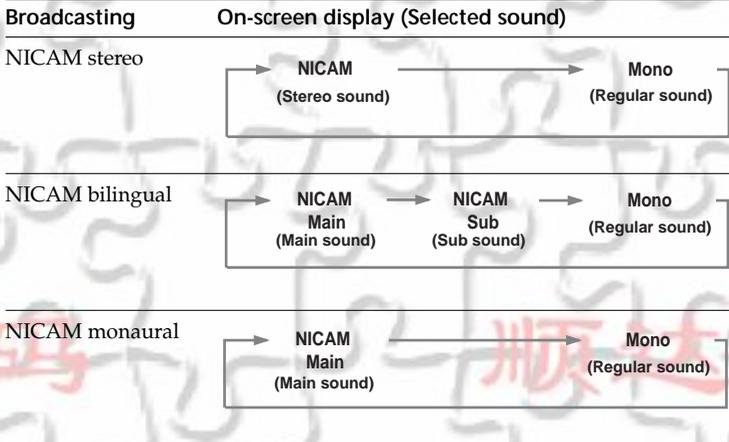
You can enjoy stereo sound or bilingual programs of NICAM and A2 (German) stereo systems.



Press A/B repeatedly until you receive the sound you want.

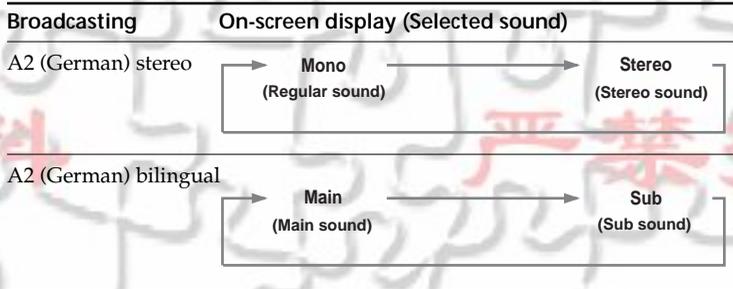


When receiving a NICAM program



Enjoying stereo or bilingual programs (continued)

When receiving an A2 (German) program



Receiving area for NICAM and A2 (German) programs

| System | Receiving area |
|-------------|---|
| NICAM | New Zealand, Hong Kong, Singapore, Malaysia, Thailand, etc. |
| A2 (German) | Australia, Malaysia, Thailand, etc. |

Notes

- If the signal is very weak, the sound becomes monaural automatically.
- If the stereo sound is noisy when receiving a NICAM program, select “Mono”. The sound becomes monaural, but the noise is reduced.
- Before receiving a NICAM stereo program in China, please check the NICAM broadcast condition at your area. When receiving a NICAM stereo program, the receiving conditions might vary depending on area. In addition, different strength of the NICAM broadcast signal might affect the receiving quality.

If the sound is distorted or noisy when receiving a monaural program through the ㄗ (antenna) terminal

Press A/B repeatedly until “Mono” appears on the screen.

To cancel the monaural sound setting, press A/B again until “Auto” appears on the screen.

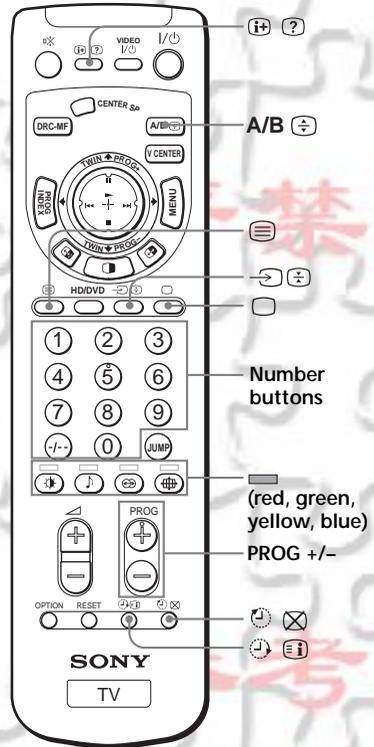


Notes

- The “Mono” or “Auto” setting is memorized for each program position.
- You cannot receive a stereo broadcast signal when the TV is in the “Mono” setting. Normally, set the TV to “Auto”.

Viewing Teletext

Some TV stations broadcast an information service called Teletext which allows you to receive various information, such as stock market reports and news.



Displaying Teletext

1 Select a TV channel that carries the Teletext broadcast you want to watch.

2 Press to display the text.

A Teletext page (normally the index page) is displayed. If there is no Teletext broadcast, "100" is displayed at the top left corner of the screen.



| P166 SECTEXT 166 FR1 MAR 03:59:09 | | | |
|-----------------------------------|-----------|--------|----------|
| TRAVEL | | | |
| From Singapore | Dep/Arr | Flight | Aircraft |
| To PARIS 1.6 | 2200/0848 | SG26 | 747 |
| 2 | 2130/0225 | PA115 | L15 |
| 3 | 2118/0300 | SG26 | 747 |
| To OSAKA 2.5 | 1000/1715 | SG6 | 747 |
| 4.8 | 0800/2015 | CS22 | L16 |
| To ROMA 2.7 | 2130/0745 | SG24 | 747 |
| 4 | 2300/0915 | A2487 | 747 |
| To SYDNEY 2 | 2210/0810 | SG21A | 747 |
| 2 | 2100/0835 | SG21A | 747 |

To turn off Teletext

Press .

Viewing Teletext (continued)

Additional Teletext tasks

| To | Do this |
|---|---|
| display a Teletext page on the TV picture | Press  . Each time you press  , the screen changes as follows: Teletext → Teletext and TV → TV. |
| check the contents of a Teletext service | Press  . An overview of the Teletext contents, including page numbers, appears on the screen. |
| select a Teletext page | Press the number buttons to enter the three-digit page number of the desired Teletext page.* If you make a mistake, reenter the correct page number. To access the next or previous page, press PROG +/-. |
| hold (pause) a Teletext page (stop the page from scrolling) | Press  to display the symbol "  " at the top left corner of the screen. To resume normal Teletext viewing, press  or  . |
| reveal concealed information (e.g., an answer to a quiz) | Press  . To conceal the information, press the button again. |
| enlarge the Teletext display | Press  . Each time you press  , the Teletext display changes as follows: Enlarge upper half → Enlarge lower half → Normal size. |
| stand by for a Teletext page while watching a TV program | <ol style="list-style-type: none"> 1 Enter the Teletext page number that you want to refer to, then press . 2 When the page number is displayed, press  to show the text. |

* You can also select a Teletext page of any page number that appears in the colored column at the bottom of the screen using the corresponding color-coded button on the remote.

Using FASTEXT

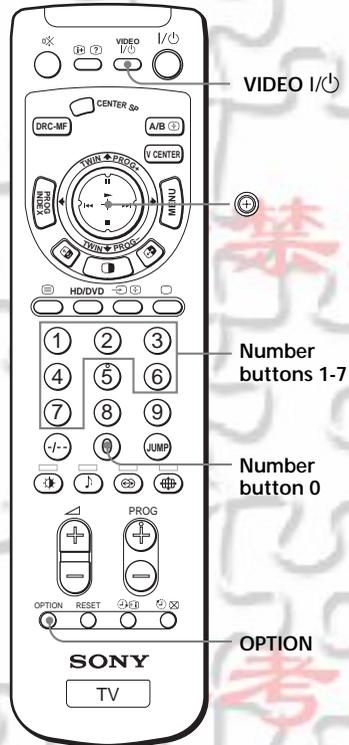
This feature allows you to quickly access a Teletext page that uses FASTEXT. When a FASTEXT program is broadcast, colored menus appear at the bottom of the screen. The color of each menu corresponds to the color-coded buttons on the remote (red , green , yellow , and blue ).

To access a FASTEXT menu

Press the color-coded button on the remote corresponding to the menu you want. The menu page appears on the screen after a few seconds.

Operating optional components

You can use the supplied remote to operate Sony video equipment such as Beta, 8 mm, VHS or DVD.



Setting up the remote to work with other connected equipment

While keeping VIDEO I/II pressed, press the number button 0, then the corresponding number button for the desired equipment (see the chart below).

For example, to operate a Sony 8 mm VCR:



| To control | While holding down | First press the number button | Next press the number button |
|-------------|--------------------|-------------------------------|------------------------------|
| DVD | VIDEO I/II | 0 | 0 |
| VTR1 (Beta) | VIDEO I/II | 0 | 1 |
| VTR2 (8 mm) | VIDEO I/II | 0 | 2 |
| VTR3 (VHS) | VIDEO I/II | 0 | 3 |
| MDP | VIDEO I/II | 0 | 4 |
| CD | VIDEO I/II | 0 | 6 |
| MD | VIDEO I/II | 0 | 7 |

Operating optional components (continued)

Note

- If the equipment does not have a certain function, the corresponding button on the remote will not operate.

Operating video equipment

Press VIDEO I/⏻, or while keeping OPTION pressed, press ⏪ (▶) or move ⏪ up (■), down (■), left (◀) or right (▶) (see the chart below).



Operating a VCR using the remote

| To | Press/Move |
|--|--|
| turn on/off | VIDEO I/⏻ |
| play | ▶ while keeping OPTION pressed. |
| stop | ■ while keeping OPTION pressed. |
| fast forward (▶▶) | ▶▶ while keeping OPTION pressed. |
| rewind the tape (◀◀) | ◀◀ while keeping OPTION pressed. |
| pause | while keeping OPTION pressed. Press again to resume normal playback. |
| search the picture forward (▶▶) or backward (◀◀) | ▶▶ or ◀◀ during playback while keeping OPTION pressed. Release to resume normal playback. |

Operating a DVD player using the remote

| To | Press/Move |
|--|---|
| turn on/off | VIDEO I/⏻ |
| play | ▶ while keeping OPTION pressed. |
| stop | ■ while keeping OPTION pressed. |
| pause | while keeping OPTION pressed. Press again to resume normal playback. |
| step through different tracks of an audio disc | ▶▶ to step forward or ◀◀ to step backward while keeping OPTION pressed. |

Operating an MDP using the remote

| To | Press/Move |
|--|--|
| turn on/off | VIDEO I/⏻ |
| play | ▶ while keeping OPTION pressed. |
| stop | ■ while keeping OPTION pressed. |
| pause | ⏸ while keeping OPTION pressed. Press again to resume normal playback. |
| search the picture forward or backward | ▶▶ or ◀◀ during playback while keeping OPTION pressed. Release to resume normal playback. |

Operating a CD or MD player using the remote

| To | Press/Move |
|-------------------------------|---|
| turn on/off | VIDEO I/⏻ |
| play | ▶ while keeping OPTION pressed. |
| stop | ■ while keeping OPTION pressed. |
| pause | ⏸ while keeping OPTION pressed. Press again to resume normal playback. |
| step through different tracks | ▶▶ to step forward or ◀◀ to step backward while keeping OPTION pressed. |

Using the TV's center speaker

You can use the TV's speakers as the center speaker of your audio system and control its sound volume from the remote of the TV.

Note

- For the speaker connection, see "Connecting an amplifier" on page 16.



To switch to the center speaker mode

- 1 Press CENTER SP.



- 2 Press \triangle +/- to adjust the volume of the sound from the TV's center speaker.



To return to the normal speaker mode

Press CENTER SP again.

Tip

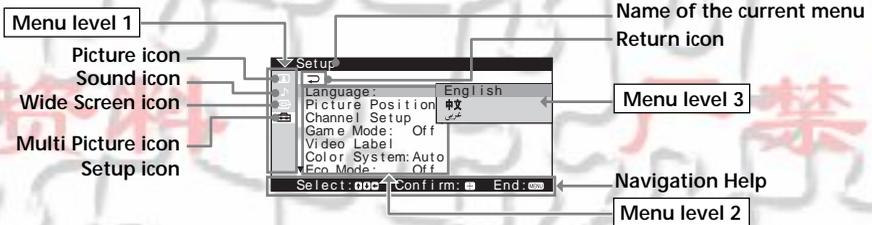
- The center speaker mode is automatically cancelled when you select the video input, or turn the TV off and on again.

Notes

- If "CENTER IN" is selected for "Speaker" in the "Sound" menu and nothing is connected to the center speaker input terminals on the rear of the TV, no sound is heard from the TV's speakers.
- No sound is heard from the TV's center speakers if the sound source emitted from the amplifier does not contain the center speaker channel.
- When the TV is in the center speaker mode, you cannot change the surround sound, the "Intelligent Volume" mode or the "BBE" mode.

Introducing the menu system

The MENU button lets you open a menu and change the settings of your TV. The following is an overview of the menu system.



Selecting some items in Menu level 2 of Setup menu displays another menu (Menu level 3), and selecting some options in this menu also displays the adjustment menu (Menu level 4).



| Level 1 | Level 2/Level 3 | Level 3/Level 4/Function | |
|--|--|--|--|
| "Picture"  | "DRC-MF" | Selects the "DRC-MF" mode: "DRC1250" → "DRC100" → "Progressive" | |
| | "Picture Mode" | Selects the picture mode: "Dynamic" → "Standard" → "Hi-Fine" → "Personal" | |
| | | Adjusts the "Personal" option: "Picture" → "Brightness" → "Color" → "Hue" → "Sharpness" → "Color Temperature" → "Reset" | |
| | "3D-NR" | Activates or deactivates picture noise reduction mode. | |
| | "Sound"  | "Sound Mode" | Selects the sound mode: "Dynamic" → "Drama" → "Soft" → "Personal" |
| | | "Sound Adjustment" | Adjusts the "Personal" option: "Treble" → "Bass" → "BBE"* → "Reset" |
| | | "Balance" | Adjusts the balance between the left and right speaker volume. |
| "Intelligent Volume" | | Activates or deactivates the Intelligent Volume feature. | |
| "Surround" | | Selects the "Surround" mode: "TruSurround" → "Simulated" → "Off" | |
| "Speaker" | Selects the speaker mode: "MAIN" or "CENTER IN". | | |

* Licensed by BBE Sound, Inc. under USP4638258, 4482866.

"BBE" and BBE symbol are trademarks of BBE Sound, Inc.

Introducing the menu system (continued)

| Level 1 | Level 2/Level 3 | Level 3/Level 4/Function |
|--|---|---|
| "Wide Screen"  | "Wide Mode" | Selects the wide screen mode: "Wide Zoom" → "Normal" → "Full" → "Zoom" |
| | "Auto Wide" | Selects an optimum wide screen mode automatically. |
| | "4:3 Default" | Changes the picture to "Wide Zoom" or "Normal" when the normal 4:3 picture with ID-1 or 480i/480p format signal without ID-1 is received. |
| | "V Center" | Adjusts the vertical position of the picture in "Wide Zoom" or "Zoom" mode. |
| | "V Size" | Adjusts the vertical size of the picture in "Wide Zoom" or "Zoom" mode. |
| "Setup"  | "Language" | Changes the menu language: "English" → "中文" (Chinese) → "عربي" (Arabic) |
| | "Picture Position" | Adjusts the picture position if it is not aligned with the TV screen. |
| | "Picture Rotation" | Adjusts the declination of the picture. |
| | "Picture V-Position" | Adjusts the vertical position of the picture. |
| | "Channel Setup" | Presets channels, or select the TV system. |
| | "Auto Program" | The "Auto Program" menu is displayed. Presets channels automatically. |
| | "Manual Program" | The "Manual Program" menu is displayed. Presets channels manually. |
| | "TV System" | Selects the TV system: "B/G" → "I" → "D/K" → "M" |
| | "Program Label" | Assigns labels (such as station names) to the preset channels. |
| | "Program Block" | Locks out specific channels. |
| | "Program Edit" | Changes the order of the preset channels. |
| | "Game Mode" | Activates or deactivates GAME MODE feature. |
| "Video Label" | Assigns labels to the audio/video equipment connected to the TV. | |
| "Video Input" | Selects the input to which the audio/video equipment is connected. "Video 1" → "Video 2" → "Video 3" → "Video 4" → "HD/DVD 1" → "HD/DVD 2" | |

| Level 1 | Level 2/Level 3 | Level 3/Level 4/Function |
|--|-----------------|--|
| "Setup"  | "Label" | Selects one of the prefixed labels or assign your own label in "Edit" position. "Video 1" → "VCR" → "SAT" → "Game" → "Edit" |
| | "Color System" | Selects the color system: "Auto" → "PAL" → "SECAM" → "NTSC3.58" → "NTSC4.43" |
| | "Eco Mode" | Activates or deactivates ECO MODE feature. |
| | "S Input" | Selects the S video input mode: "Auto" or "Off". |

To restore the factory settings

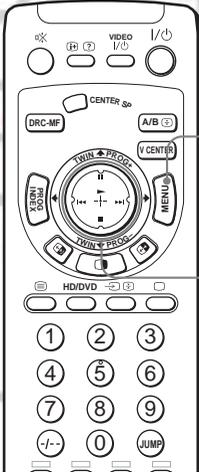
Press the RESET button on the remote.

The settings other than the following items in the menu can be reset by using the RESET button:

- "Language"
- "Program" and "Skip" in "Manual Program"
- "Fine" in "Manual Program"
- "TV System"
- "Picture Position"
- "Personal" in "Picture Mode" and "Sound Mode"
- "Program Label"
- "Video Label"

Introducing the menu system (continued)

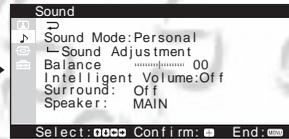
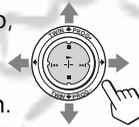
How to use the menu



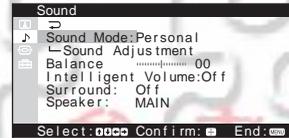
Press MENU to display the menu.



Move the button joystick (⊕) up, down, left or right to select the desired item.



Press the button joystick (⊕) to confirm the selection and/or go to the next level.



Other menu operations

| To | Press/Move |
|--------------------------------------|---------------------------------|
| Adjust the setting value | Move ⊕ up, down, left or right. |
| Move to the next/previous menu level | Move ⊕ left or right. |
| Cancel the menu | Press MENU. |

Tips

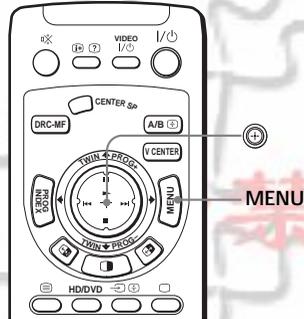
- If you want to exit from Menu level 2 to Menu level 1, move ⊕ up or down until the return icon (↵) is highlighted, then press ⊕.
- The MENU, -|+ (Enter), and ⬆/⬇/⬅/➡ (up/down/left/right) buttons on the TV can also be used for the operations above.

Note

- If more than 90 seconds elapse between entries, the menu screen automatically disappears.

Changing the “Picture” setting

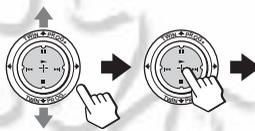
The “Picture” menu allows you to: adjust the picture setting, view higher quality pictures and reduce picture noise.



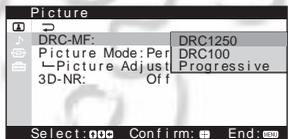
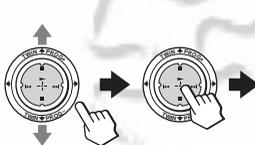
1 Press MENU.



2 Move \uparrow or \downarrow to select $\left[\text{DRC-MF} \right]$, then press \odot .



3 Move \uparrow or \downarrow to select the desired option (see the table below), then press \odot .

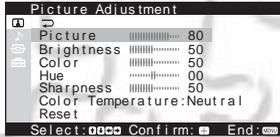


| Select | To |
|----------------|--|
| “DRC-MF” | activate the Digital Reality Creation-Multi function feature to display higher quality pictures. Move \uparrow or \downarrow to select “DRC1250”, “DRC100” or “Progressive”, then press \odot . |
| “Picture Mode” | receive suitable picture mode. Move \uparrow or \downarrow to select “Dynamic”, “Standard”, “Hi-Fine”, “Personal”*, then press \odot . |

* When the “Personal” mode is selected, the last adjusted picture setting in the “Picture Adjustment” menu is received (see page 41).

Changing the "Picture" setting (continued)

| Select | To |
|----------------------|--|
| "Picture Adjustment" | adjust the picture quality when "Picture Mode" is set to "Personal". |



| | |
|---------|---|
| "3D-NR" | improve the picture quality of TV or video if a signal received is weak. Move \odot up or down to select "On", then press \oplus . To cancel, select "Off", then press \oplus . |
|---------|---|

Tips

- For details on the options under the "DRC-MF" mode, see pages 21.
- When high-definition (HD) or progressive signals are input, "DRC-MF" does not function.

To return to the normal screen

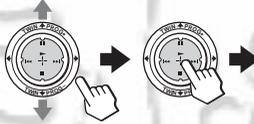
Press MENU.

Adjusting the “Picture Adjustment” options

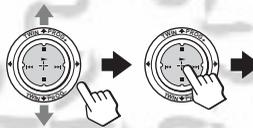
You can access the “Picture Adjustment” menu only when you have selected “Personal” for “Picture Mode”.

1 Display the “Picture” menu and select “Personal” for “Picture Mode”.

2 Move  up or down to select “Picture Adjustment”, then press .



3 Move  up or down to select the desired item (e.g., “Color”), then press .



4 Adjust the value or select the desired option according to the following table, then press .

| For | Move  down or left to | Move  up or right to |
|---------------------|---|---|
| “Picture” | decrease picture contrast | increase picture contrast |
| “Brightness” | darken the picture | brighten the picture |
| “Color” | decrease color intensity | increase color intensity |
| “Hue”* | increase red picture tones | increase green picture tones |
| “Sharpness” | soften the picture | sharpen the picture |
| “Color Temperature” | Move  up or down to select “Cool”, “Neutral” or “Warm”. | |
| “Reset” | Select “Reset” and press  to reset the picture to the factory preset settings. | |

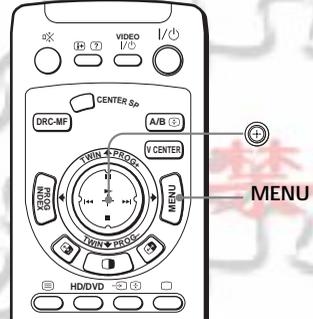
* You can adjust “Hue” for the NTSC color system only.

5 Repeat steps 3 and 4 to adjust other items.

The adjusted settings will be received when you select “Personal”.

Changing the “Sound” setting

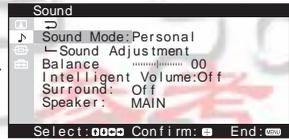
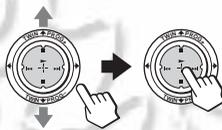
The “Sound” menu allows you to adjust the sound setting and adjust the volume automatically. You can also listen to the sound with surround effect.



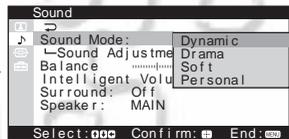
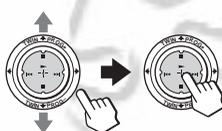
1 Press MENU.



2 Move \oplus up or down to select M , then press \oplus .



3 Move \oplus up or down to select the desired option (see the table below), then press \oplus .

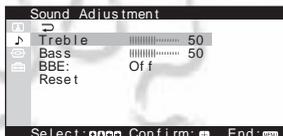


| Select | To |
|--------|----|
|--------|----|

“Sound Mode” select the suitable sound mode. Move \oplus up or down to select “Dynamic”, “Drama”, “Soft” or “Personal”*, then press \oplus .

* When the “Personal” mode is selected, the last adjusted sound setting in the “Sound Adjustment” menu is received (see page 44).

“Sound Adjustment” adjust the sound quality when “Sound Mode” is set to “Personal”.



| Select | To |
|----------------------|--|
| "Balance" | adjust the balance between the left and right speaker volume. Move \odot down or left to increase the left speaker's volume, up or right to increase the right speaker's volume, then press \oplus . |
| "Intelligent Volume" | adjust the volume of all TV programs and video inputs automatically. Move \odot up or down to select "On" to activate the Intelligent Volume feature, then press \odot . To cancel, select "Off", then press \oplus . |
| "Surround" | select the Surround mode. Move \odot up or down to select "TruSurround", "Simulated" or "Off", then press \oplus . |
| "Speaker" | select if you use the TV's speakers as the center speaker of your audio system. Normally select "MAIN". When you want to use the TV's speakers as the center speaker, move \odot up or down to select "CENTER IN", then press \oplus . |

Tip

- For details on the options under the "Sound Mode" and "Surround" modes, see pages 20 and 26, respectively.

To return to the normal screen

Press MENU.

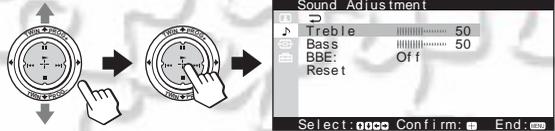
Changing the "Sound" setting (continued)

Adjusting the "Sound Adjustment" options

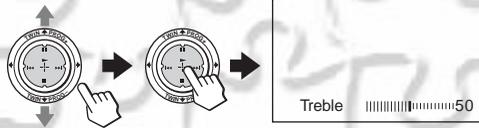
You can access the "Sound Adjustment" menu only when you have selected "Personal" for "Sound Mode".

1 Display the "Sound" menu and select "Personal" for "Sound Mode".

2 Move  up or down to select "Sound Adjustment", then press .



3 Move  up or down to select the desired item (e.g., "Treble"), then press .



4 Adjust the value or select the desired option according to the following table, then press .

| For | Move  |
|----------|---|
| "Treble" | down or left to decrease the treble, up or right to increase the treble. |
| "Bass" | down or left to decrease the bass, up or right to increase the bass. |
| "BBE" | up or down to select "High", "Low" or "Off". "BBE" can produce clear sound. |
| "Reset" | Select "Reset" and press  to reset the sound to the factory preset settings. |

5 Repeat steps 3 and 4 to adjust other items.

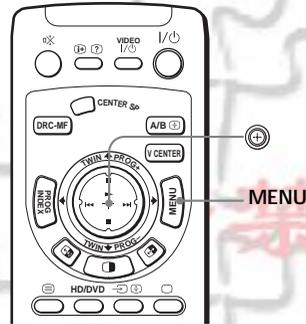
The adjusted settings will be received when you select "Personal".

Note

- You cannot change the "BBE" mode when the TV is in the center speaker mode (page 34).

Changing the “Wide Screen” setting

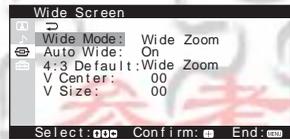
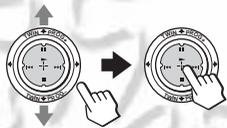
The “Wide Screen” menu allows you to watch the picture filling the 16:9 screen of the TV.



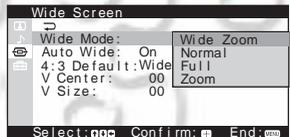
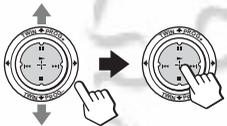
1 Press MENU.



2 Move \uparrow or \downarrow to select Wide Screen , then press Enter .



3 Move \uparrow or \downarrow to select the desired option (see the table below), then press Enter .



| Select | To |
|---------------|--|
| “Wide Mode” | select the desired wide screen mode to fit the 16:9 screen. Move \uparrow or \downarrow to select “Wide Zoom”, “Normal”, “Full” or “Zoom”, then press Enter . For details on each mode, see “Using wide screen mode” on page 24. |
| “Auto Wide” | automatically display the picture in optimum wide screen mode. Move \uparrow or \downarrow to select “On” (factory setting), then press Enter . Select “Off” if you want to display any picture in currently selected wide screen mode. |
| “4:3 Default” | display a 4:3 picture in “Wide Zoom” (factory setting) or in “Normal” mode. Move \uparrow or \downarrow to select “Wide Zoom” or “Normal”, then press Enter . |

Changing the “Wide Screen” setting (continued)

| Select | To |
|------------|---|
| “V Center” | adjust the vertical position of the picture within the screen in “Wide Zoom” or “Zoom” mode. Move \odot up or down to move the picture, then press \odot . |
| “V Size” | adjust the vertical size of the picture within the screen in “Wide Zoom” or “Zoom” mode. Move \odot up to increase the vertical size, or down to reduce it, then press \odot . |

Notes

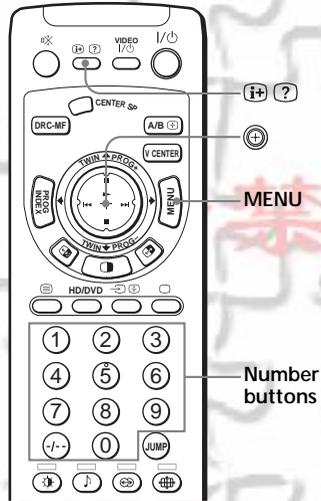
- “4:3 Default” does not function when “Auto Wide” is set to “Off”.
- When a 720p or 1080i format signal is received, the picture is always displayed in Full mode.

To return to the normal screen

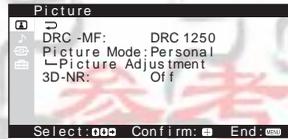
Press MENU.

Changing the "Setup" setting

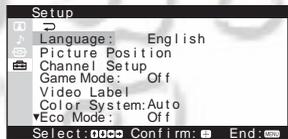
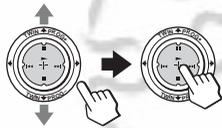
The "Setup" menu allows you to adjust the setup of your TV. For example, you can change the menu language, preset channels, etc.



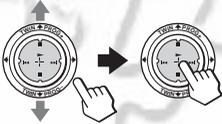
1 Press MENU.



2 Move \uparrow or \downarrow to select Picture , then press ENTER .



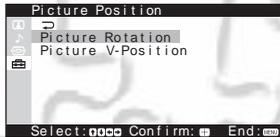
3 Move \uparrow or \downarrow to select the desired option (see the table below), then press ENTER .



| Select | To |
|------------|--|
| "Language" | change the menu language. Move \uparrow or \downarrow to select "English", "中文" (Chinese), or "عربي" (Arabic), then press ENTER . |

Changing the "Setup" setting (continued)

| Select | To |
|--------------------|---|
| "Picture Position" | adjust the position of the picture if it is not aligned with the TV screen. |



See "Adjusting the alignment of the picture" on page 50.

| | |
|-----------------|------------------|
| "Channel Setup" | preset channels. |
|-----------------|------------------|



You can select automatic or manual channel presetting. See "Presetting channels manually" on page 51. You can change the TV system by selecting "TV System". For "Program Label" and "Program Block", see "Assigning labels to the preset channels" on page 55 and "Blocking channels" on page 56, respectively. You can also change the order of the preset channels to preference. See "Changing the order of the preset channels" on page 53.

| | |
|-------------|--|
| "Game Mode" | adjust the picture setting that is suitable to view video games. Move \uparrow up or down to select "On", then press \rightarrow . To cancel, select "Off", then press \rightarrow . |
|-------------|--|

| | |
|---------------|---|
| "Video Label" | assign labels to the connected audio/video equipment. |
|---------------|---|



See "Assigning labels to the connected audio/video equipment" on page 57.

| | |
|----------------|--|
| "Color System" | select the color system. Normally, set this to "Auto". You can select the color system for each channel or each video input. |
|----------------|--|

| | |
|------------|---|
| "Eco Mode" | reduce power consumption of your TV to save energy. Move \uparrow up or down to select "On", then press \rightarrow . To cancel, select "Off", then press \rightarrow . |
|------------|---|

| Select | To |
|-----------|--|
| "S Input" | <p>select the S video input mode. Move  up or down to select "Auto" to receive the S video signal automatically when the signals are input through both the  (S video input) and  (video input) jacks of the same video input channel, then press .</p> <p>To deactivate the S video input, select "Off", then press .</p> |

Notes

- If "Eco Mode" is on, the ECO MODE  icon will appear at the bottom right corner of the screen when you turn on the TV or when you press  on the remote.
- "Game Mode" is available only when receiving signals through the  (video input),  (S video input), or  (component video input) jacks.
- When high-definition (HD) signals or progressive signals are input, "Game Mode" does not function.

To return to the normal screen

Press MENU.

Changing the "Setup" setting (continued)

Adjusting the alignment of the picture

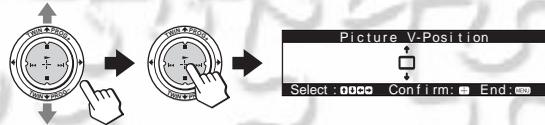
The picture may be out of alignment with the TV screen due to the influence of the earth's magnetic field. You can adjust the position of the picture if it is not aligned.

- 1** After selecting "Picture Position", move **⊕** up or down to select "Picture Rotation", then press **⊕**.



- 2** Move **⊕** left or right to adjust the picture declination. Adjust so that the upper and lower bars become horizontal, then press **⊕**.

- 3** Move **⊕** up or down to select "Picture V-Position", then press **⊕**.



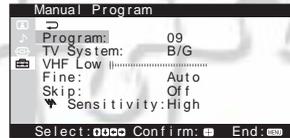
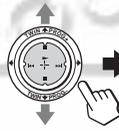
- 4** Move **⊕** up or down to adjust the picture position. Adjust so that the distance between the upper bar and the top of the screen and that between the lower bar and the bottom of the screen become equal, then press **⊕**.

Notes

- If you install the TV to another location, make sure to adjust the alignment of the picture again.
- Before adjusting "Picture Rotation" and "Picture V-Position", keep external speakers or other electrical equipment away from the TV. The magnetic disturbance from these equipment or the direction of the earth's magnetic field may affect the TV.
- When adjusting "Picture Rotation", adjust the value step by step. If you rotate the bars largely at a time, color distortion may occur.
- If you do not succeed in adjusting "Picture Rotation" and "Picture V-Position", turn off the TV and change its location or direction, then try to adjust using the menu. Do not move the TV while the TV is turned on. If you do, abnormal color patches may appear on the picture. Press **⓪** on the TV to turn off the TV for about 15 minutes, then turn it on again to demagnetize the TV.
- You cannot adjust "Picture Rotation" and "Picture V-Position" when HD signals are input.

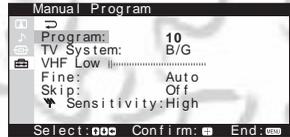
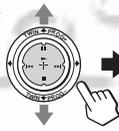
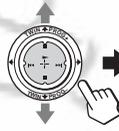
Presetting channels manually

- 1** After selecting “Channel Setup”, move \oplus up or down to select “Manual Program”, then press \oplus .



- 2** Select the program number to which you want to preset a channel.

- (1) Make sure “Program” is selected, then press \oplus .
- (2) Move \oplus up or down until the program number you want to preset (e.g., program number “10”) appears on the menu, then press \oplus .

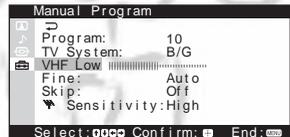
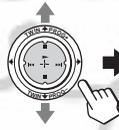


Tip

- You can also select the program number with the PROG +/- or number buttons.

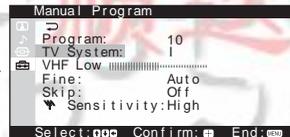
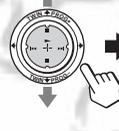
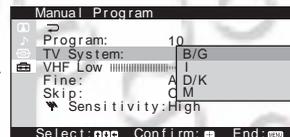
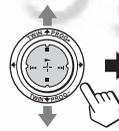
- 3** Select the desired channel.

- (1) Move \oplus up or down to select either “VHF Low”, “VHF High”, or “UHF”, then press \oplus .
- (2) Move \oplus up or down until the desired channel’s broadcast appears on the TV screen, then press \oplus .



- 4** If the sound of the desired channel is abnormal, select the appropriate TV system.

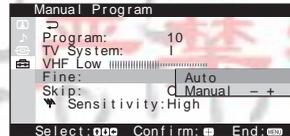
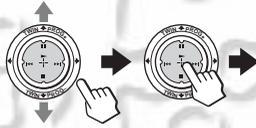
- (1) Move \oplus up or down to select “TV System”, then press \oplus .
- (2) Move \oplus up or down until the sound becomes normal, then press \oplus .



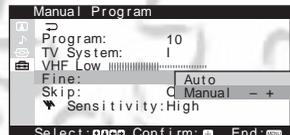
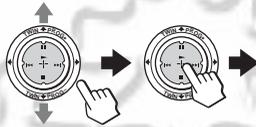
Changing the "Setup" setting (continued)

5 If you are not satisfied with the picture and sound quality, you may be able to improve them by using the "Fine" tuning feature.

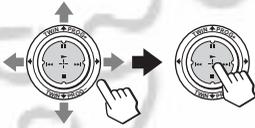
(1) Move  up or down to select "Fine", then press .



(2) Move  up or down to select "Manual", then press .

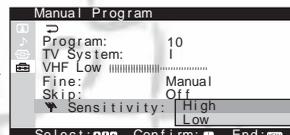
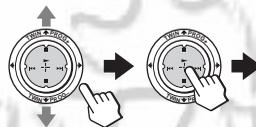


(3) Move  either up, down, left or right until the picture and sound quality are optimal, then press . The + or - icon on the menu flashes while tuning.

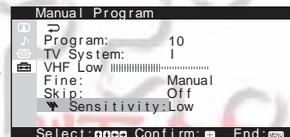
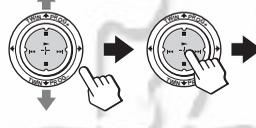


6 If the TV signal is too strong and the picture is distorted, you can adjust the TV reception sensitivity.

(1) Move  up or down to select , then press .



(2) Move  up or down to select "Low", then press .



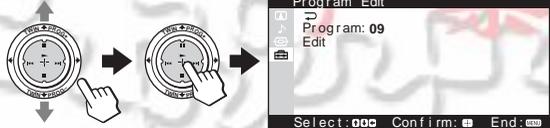
Notes

- The TV system ("TV System") and the TV reception sensitivity (" Sensitivity") settings are memorized for each program number.
- If there is a locked channel (see page 56) while you are presetting in "VHF-Low" and "Fine" mode, that channel will be unlocked automatically.

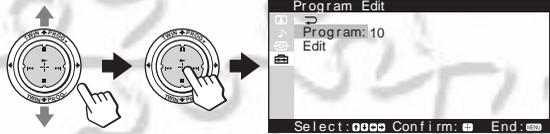
Changing the order of the preset channels ("Program Edit")

After performing "Auto Program" or "Manual Program", you can change the preset channel assigned to each program number to preference.

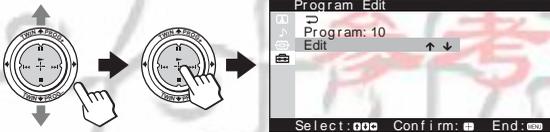
- 1 After selecting "Program Edit" under "Channel Setup", make sure "Program" is selected, then press .



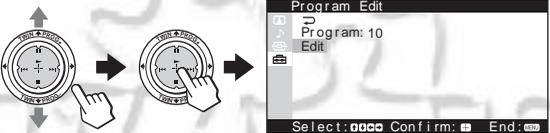
- 2 Move  up or down to select the program number to which you want to assign another channel, then press .



- 3 Move  up or down to select "Edit", then press .



- 4 Move  up or down until your preferred program appears on the screen, then press  to confirm that channel.



- 5 To change the channels assigned to other program numbers, select "Program", then repeat steps 1 to 4.

To return to the normal screen

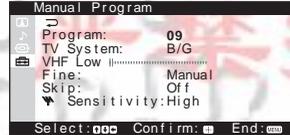
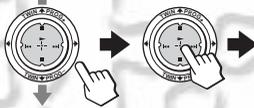
Press MENU.

Changing the "Setup" setting (continued)

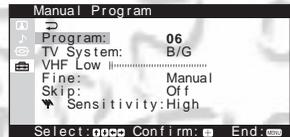
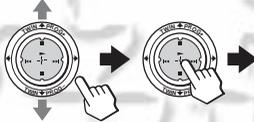
Skipping unwanted or unused channels ("Skip")

After performing automatic channel presetting, you can erase unwanted or unused channels.

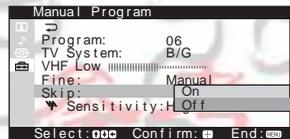
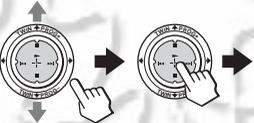
- 1 After selecting "Manual Program" under "Channel Setup", make sure "Program" is selected, then press \odot .



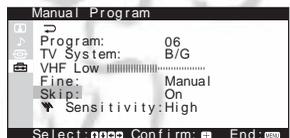
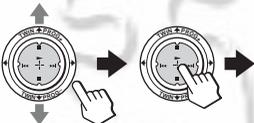
- 2 Move \odot up or down until the unused or unwanted channel number appears, then press \odot .



- 3 Move \odot up or down to select "Skip", then press \odot .



- 4 Move \odot up or down to select "On", then press \odot .



- 5 To disable other channels, select "Program", then repeat steps 2 to 4.

To restore the skipped channel

Select "Off" in step 4.

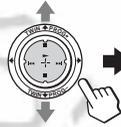
To return to the normal screen

Press MENU.

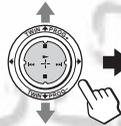
Assigning labels to the preset channels ("Program Label")

You can assign a label (such as station name) of up to 5 characters to each preset channel.

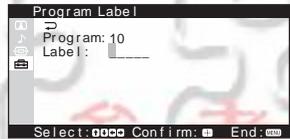
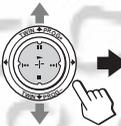
- 1** After selecting "Program Label" under "Channel Setup", make sure "Program" is selected, then press .



- 2** Move  up or down to select the channel you want to assign a label, then press .



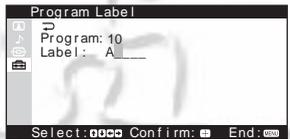
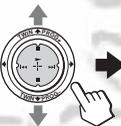
- 3** Move  up or down to select "Label", then press .



- 4** Move  up or down to scroll through the label characters (A to Z, 0 to 9, etc.), then press  to confirm the highlighted character.

To insert a blank, leave " _ " and move  right.

To change the confirmed character, move  left to highlight it, then move  up or down to select the correct character.



- 5** Repeat step 4 to add up to 5 characters to the label.

- 6** To assign labels to other channels, select "Program", then repeat steps 1 to 5.

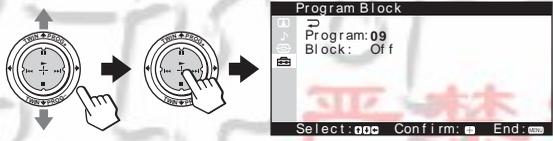
To return to the normal screen

Press MENU.

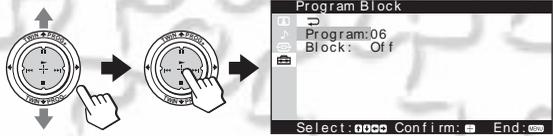
Changing the "Setup" setting (continued)

Blocking channels ("Program Block")

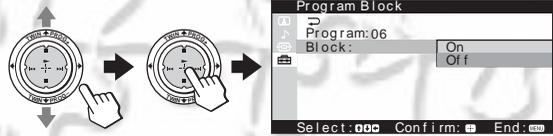
- 1** After selecting "Program Block" under "Channel Setup", make sure "Program" is selected, then press .



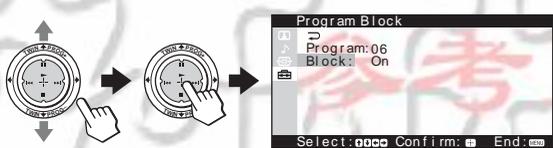
- 2** Move  up or down to select the desired channel (e.g. 06), then press .



- 3** Move  up or down to select "Block", then press .

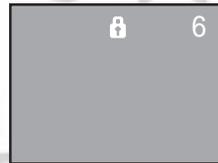


- 4** Move  up or down to select "On", then press .
To unlock the channel, select "Off".



The lock symbol () appears on the screen when "On" is selected.

If a locked channel is selected, the lock symbol appears on the screen.



- 5** To lock other channels, select "Program", then repeat steps 2 to 4.

To return to the normal screen

Press MENU.

Note

- If you preset a locked channel manually (see page 51), that channel will be unlocked automatically.

Assigning labels to the connected audio/video equipment ("Video Label")

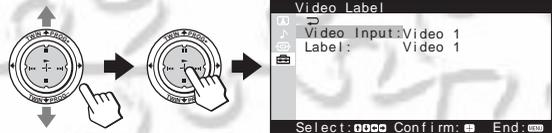
You can assign one of the prefixed labels (such as VCR, SAT, etc.) or your favorite label to the audio/video equipment connected to the video inputs of the TV.

To assign a prefixed label

- 1** After selecting "Video Label", make sure "Video Input" is selected, then press .



- 2** Move  up or down to select the video input you have connected the equipment you want to assign a label, then press .



- 3** Move  up or down to select "Label", then press .



- 4** Move  up or down to select one of the prefixed labels, then press .

To assign your favorite label, see page 58.



- 5** To assign labels to other equipment, select "Video Input", then repeat steps 2 to 4.

To return to the normal screen

Press MENU.

Changing the “Setup” setting (continued)

To assign your favorite label

- 1 Follow steps 1 to 3 on page 57 and select “Edit” in step 4, then press **[Enter]**.
- 2 Move **[Up]** up or down to scroll through the label characters (A to Z, 0 to 9, etc.), then press **[Enter]** to confirm the highlighted character.



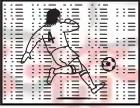
To insert a blank, leave “_” and move **[Right]**.

To change the confirmed character, move **[Left]** to highlight it, then move **[Up]** up or down to select the correct character.

- 3 Repeat step 2 to add up to 5 characters to the label.

Troubleshooting

If you have any problem while viewing your TV, please check the following troubleshooting guide. If the problem persists, contact your Sony dealer.

| Symptom | Possible cause | Solutions | Page |
|---|--|---|------------------|
| Snowy picture  | <ul style="list-style-type: none"> The connection is loose or the cable is damaged. Channel presetting is inappropriate or incomplete. | <ul style="list-style-type: none"> Check the antenna cable and connection on the TV, VCR and on the wall. Display the "Channel Setup" menu under the "Setup" menu and select "Manual Program" to preset the channel again. | 7 51 |
| Noisy sound  | <ul style="list-style-type: none"> The antenna type is inappropriate. The antenna direction needs adjustment. Signal transmission is low. | <ul style="list-style-type: none"> Check the antenna type (VHF/UHF). Contact a Sony dealer for advice. Adjust the antenna direction. Contact a Sony dealer for advice. Try using a booster. | - - - |
| Distorted picture  | <ul style="list-style-type: none"> Broadcast signals are too strong. | <ul style="list-style-type: none"> Display the "Channel Setup" menu under the "Setup" menu and select "Manual Program". Then, select "Sensitivity: Low". Turn off or disconnect the booster if it is in use. | 52 - |
| Noisy sound  | | | |
| Good picture  | <ul style="list-style-type: none"> The TV system setting is inappropriate. | <ul style="list-style-type: none"> If the sound of all the channels are noisy, display the "Channel Setup" menu under the "Setup" menu and select "Auto Program" to preset the channels again. If the sound of some channels is noisy, select the channel, then display the "Channel Setup" menu under the "Setup" menu and select the appropriate TV system ("TV System"). | 48 51 |
| Noisy sound  | | | |
| No picture  | <ul style="list-style-type: none"> The power cord, antenna or VCR is not connected. The TV is not turned on. | <ul style="list-style-type: none"> Check the power cord, antenna and the VCR connections. Press I/⏻ on the remote. Press ⏻ on the TV to turn off the TV for about five seconds, then turn it on again. | 7, 8 17 18 |
| No sound  | | | |

Troubleshooting (continued)

| Symptom | Possible cause | Solutions | Page |
|--|--|--|-------------------|
| Good picture  | <ul style="list-style-type: none"> The volume level is too low. The sound is muted. The broadcast signal has a transmission problem. | <ul style="list-style-type: none"> Press \triangleleft + to increase the volume level. Press \times to cancel the muting. Press A/B until a better sound is heard. | 18 18 27 |
| No sound  | | | |
| Dotted lines or stripes  | <ul style="list-style-type: none"> There is local interference from cars, neon signs, hair dryers, power generators, etc. | <ul style="list-style-type: none"> Do not use a hair dryer or other equipment near the TV. Adjust the antenna direction for minimum interference. Contact a Sony dealer for advice. | - - |
| Double images or "ghosts"  | <ul style="list-style-type: none"> Broadcast signals are reflected by nearby mountains or buildings. The antenna direction needs adjustment. Use of a booster is inappropriate. | <ul style="list-style-type: none"> Use a highly directional antenna. Use the fine tuning ("Fine") function. Adjust the antenna direction. Contact a Sony dealer for advice. Turn off or disconnect the booster if it is in use. | - 52 - - |
| No color  | <ul style="list-style-type: none"> The color level setting is too low. The color system setting is inappropriate. The antenna direction needs adjustment. | <ul style="list-style-type: none"> Display the "Picture" menu and select "Personal" of "Picture Mode", then adjust the "Color" level under "Picture Adjustment". Display the "Setup" menu and check the color system ("Color System") setting (usually set this to "Auto"). Adjust the antenna direction. Contact a Sony dealer for advice. | 41 48 - |
| Picture is not aligned to the TV screen. | <ul style="list-style-type: none"> The magnetic disturbance from external speakers or other equipment, or the direction of the earth's magnetic field may affect the TV. | <ul style="list-style-type: none"> Keep external speakers or other electrical equipment away from the TV. Display the "Picture Position" menu under the "Setup" menu and adjust "Picture Rotation" and "Picture V-Position" so that the picture is aligned to the TV screen. | - 50 |

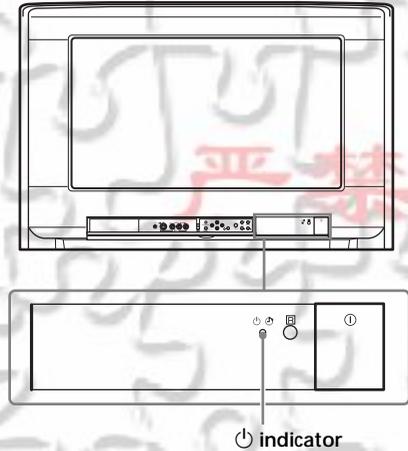
Troubleshooting (continued)

| Symptom | Possible cause | Solutions | Page |
|--|---|---|------|
| The wide screen mode changes spontaneously when "Auto Wide" is "On". | <ul style="list-style-type: none"> During a transition between two programs, the TV detects the optimum wide screen mode. During this period, an irregular wide screen mode may appear. | — | 22 |
| | <ul style="list-style-type: none"> The wide screen mode is switched automatically according to the received signal with an ID-1 or S1 signal. | — | 23 |
| | <ul style="list-style-type: none"> The AUTO WIDE feature stops working temporarily when you have pressed , and functions again after a while. | <ul style="list-style-type: none"> To fix in the manually selected wide screen mode, set "Auto Wide" to "Off" in the "Wide Screen" menu. | 45 |
| Cannot play shooting games. | <ul style="list-style-type: none"> Some shooting games which involve pointing a light beam at the TV screen with an electronic gun or rifle cannot be used with your TV. For detail, see the instruction manual supplied with the video game software. | — | — |
| TV cabinet creaks. | <ul style="list-style-type: none"> Changes in room temperature sometimes make the TV cabinet expand or contract, causing a noise. This does not indicate a malfunction. | — | — |

| Symptom | Possible cause | Solutions | Page |
|--|---|-----------|------|
| Static discharge is felt when touching the TV cabinet. | <ul style="list-style-type: none">This is the same static discharge that is felt when touching metal door handles or car doors especially when the air is dry, for example in winter. This does not indicate a malfunction. | — | — |

Self-diagnosis function

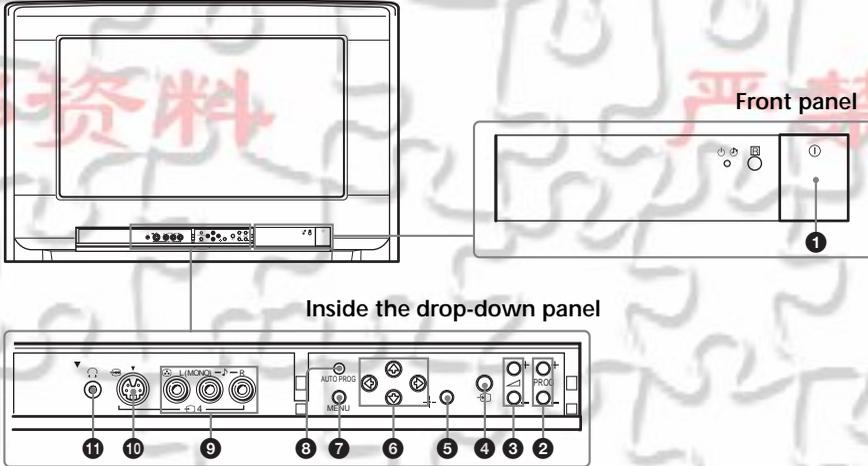
Your TV is equipped with a self-diagnosis function. If there is a problem with your TV, the ⏻ (standby) indicator flashes red. The number of times the ⏻ indicator flashes indicates the possible causes.



- 1** Check that the ⏻ indicator flashes red a number of times between 3-second intervals.
- 2** Count the number of times the ⏻ indicator flashes.
- 3** Press Ⓚ (main power) to turn off your TV.
- 4** Inform your nearest Sony service center about the number of times the ⏻ indicator flashed.
Be sure to note the model name and serial number located on the rear of your TV.

Identifying parts and controls

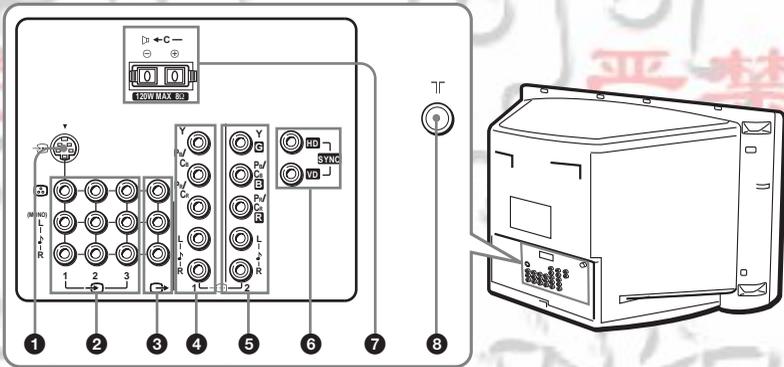
Front and inside the drop-down panel



| Button/connector | Function | Page |
|--|---|------|
| ① ① | Turn off completely or turn on the TV. | 18 |
| ② PROG +/- | Select program number. | 17 |
| ③ \triangle +/- | Adjust volume. | 18 |
| ④ \rightarrow | Select TV or video input. | 18 |
| ⑤ \updownarrow | Confirm selected items. | 38 |
| ⑥ $\triangle/\square/\triangleleft/\triangleright$ | Select items in the menu. | 38 |
| ⑦ MENU | Display the menu. | 38 |
| ⑧ AUTO PROG | Preset channels automatically. | 36 |
| ⑨ \rightarrow 4 (L(MONO) /R) | Connect to video/audio outputs of equipment. | 11 |
| ⑩ \rightarrow 4 (S) | Connect to S video output of video equipment. | 11 |
| ⑪ \odot | Headphone jack | - |

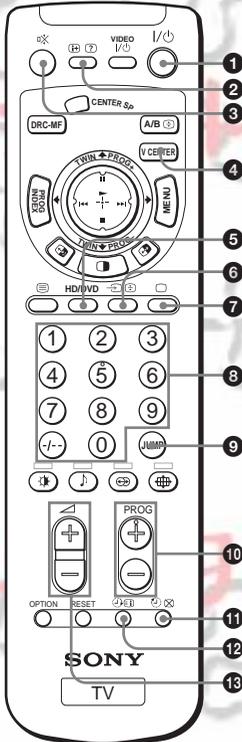
Identifying parts and controls (continued)

Rear



| Connector | Function | Page |
|---|--|----------|
| ①  | Connect to S video output of video equipment. | 8 |
| ②  | Connect to video/audio outputs of video equipment. | 8 |
| ③  | Connect to video/audio inputs of audio/video equipment. | 12 |
| ④  1 | Connect to component video outputs on a DVD player. | 13 |
| ⑤  2 | Connect to component video outputs on a DVD player. Connect to a digital TV receiver equipped with the G/B/R/HD/VD outputs. | 13 15 |
| ⑥ SYNC HD/VD | Connect to HD/VD outputs on a digital TV receiver. | 15 |
| ⑦  ←C- | Connect to speaker terminals on an amplifier. | 16 |
| ⑧  | Connect the antenna cable. | 7 |

Remote control



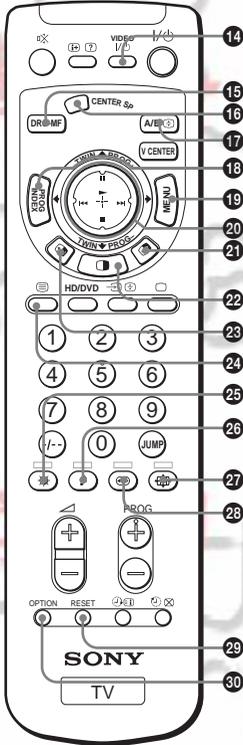
The names/symbols of buttons on the remote are indicated in different colors to represent the available functions.

| Label color | Button function |
|-------------|------------------------------------|
| White | For general TV operations |
| Green | For Teletext operations |
| Yellow | For TWIN picture operations* |
| Pink | For optional components operations |

| Button | Function | Page |
|--------------|--|----------|
| 1 I/O | Turn off temporarily or turn on the TV. | 17 |
| 2 i/? | <ul style="list-style-type: none"> Display on-screen information. Reveal Teletext concealed information. | 18 30 |
| 3 M | Mute the sound. | 18 |
| 4 V CENTER | Adjust the vertical position of the picture. | 25 |
| 5 HD/DVD | Select component input. | 18 |
| 6 TV/V | <ul style="list-style-type: none"> Select TV or video input. Stop Teletext page from scrolling. | 18 30 |
| 7 □ | <ul style="list-style-type: none"> Display the TV program. Turn off Teletext. | 18 29 |
| 8 0 - 9, +/- | Input numbers. | 17 |
| 9 JUMP | Jump to previous channel. | 18 |
| 10 PROG +/- | Select program number. | 17 |
| 11 (A) (T) | <ul style="list-style-type: none"> Set the TV to turn off automatically. Show TV screen while waiting for Teletext page. | 19 30 |
| 12 (A) (T) | <ul style="list-style-type: none"> Set the TV to turn on automatically. Display Teletext service contents. | 19 30 |
| 13 ▲/▼ | Adjust volume. | 18 |

* TWIN picture operations are not available with this TV.

Identifying parts and controls (continued)



| Button | Function | Page |
|---------------|--|----------|
| 14 VIDEO I/⏻ | <ul style="list-style-type: none"> Power. Use with the number buttons to set up the remote. | 37 36 |
| 15 DRC-MF | Select DRC-MF mode. | 21 |
| 16 CENTER SP | Select TV's center speaker mode. | 34 |
| 17 A/B | <ul style="list-style-type: none"> Select stereo/bilingual mode. Enlarge the Teletext display. | 27 30 |
| 18 PROG INDEX | This button does not function with this TV. | - |
| 19 MENU | Display the menu. | 38 |
| 20 | <ul style="list-style-type: none"> Select, adjust and confirm selected items in the menu. Operate optional components. | 38 32 |
| 21 | This button does not function with this TV. | - |
| 22 | This button does not function with this TV. | - |
| 23 | This button does not function with this TV. | - |
| 24 | Display Teletext page on the TV picture. | 29 |
| 25 | <ul style="list-style-type: none"> Select picture mode. Access a FASTEXT menu. | 20 30 |
| 26 | <ul style="list-style-type: none"> Select sound mode. Access a FASTEXT menu. | 20 30 |
| 27 | <ul style="list-style-type: none"> Select wide mode. Access a FASTEXT menu. | 24 30 |
| 28 | <ul style="list-style-type: none"> Select surround mode. Access a FASTEXT menu. | 26 30 |
| 29 RESET | Reset items in the menu to the factory preset values. | 37 |
| 30 OPTION | Use with to operate optional components. | 32 |

Specifications

| | KV-HX32 M31 |
|---|--|
| Power requirements | 220–240 V AC, 50/60 Hz |
| Power consumption (W) | Indicated on the rear of the TV. |
| Television system | B/G, I, D/K, M |
| Color system | PAL, PAL 60, SECAM, NTSC4.43, NTSC3.58 |
| Available language for Teletext | English, Farsi, French |
| Stereo/Bilingual system | NICAM Stereo/Bilingual B/G, I, D/K; A2 Stereo/Bilingual (German) B/G |
| Channel coverage B/G | VHF : 0 to 12, 5A, 19A / UHF : 28 to 69 / CATV : S01 to S03, S1 to S41 (Australia only) VHF : 1 to 11 / UHF : 21 to 69 / CATV : S01 to S03, S1 to S41 (New Zealand only) VHF : E2 to E12 / UHF : E21 to E69 / CATV : S01 to S03, S1 to S41 |
| I | UHF : B21 to B68 / CATV : S01 to S03, S1 to S41 |
| D/K | VHF : C1 to C12, R1 to R12 / UHF : C13 to C57, R21 to R60 / CATV : S01 to S03, S1 to S41, Z1 to Z39 |
| M | VHF : A2 to A13 / UHF : A14 to A79 / CATV : A-8 to A-2, A to W+4, W+6 to W+84 |
| ⌚ (Antenna) | 75-ohm external terminal |
| Audio output (Speaker) | 7.5W + 7.5W |
| Number of terminal | |
| 📺 (Video) | Input: 4 Output: 1 Phono jacks; 1 Vp-p, 75 ohms |
| 🎵 (Audio) | Input: 6 Output: 1 Phono jacks; 500 mVrms |
| 📺 (S Video) | Input: 2 Y: 1 Vp-p, 75 ohms, unbalanced, sync negative C: 0.286 Vp-p, 75 ohms |
| 📺 (Component Video) | Input: 2 Phono jacks Y: 1 Vp-p, 75 ohms, sync negative Pr/Cr: 0.7 Vp-p, 75 ohms Pb/Cb: 0.7 Vp-p, 75 ohms Audio: 500 mVrms |
| 📺 (G/B/R/HD/VD Video) | Input: 1 Phono jacks G: 0.7 Vp-p, 75 ohms, B: 0.7 Vp-p, 75 ohms, R: 0.7 Vp-p, 75 ohms HD: 0.7 Vp-p, 75 ohms, VD: 0.7 Vp-p, 75 ohms |
| 🔊 (Center Speaker) | Input:1 120 W max., 8 ohms |
| 🎧 (Headphones) | Output: 1 Stereo minijack |
| Picture tube | 32in. |
| Tube size (cm) (measured diagonally) | 82 |
| Screen size (cm) (measured diagonally) | 76 |
| Dimensions (w/h/d, mm) | 898 × 607 × 563 |
| Mass (kg) | 66.5 |

Design and specifications are subject to change without notice.