SANYO

FILE NO.

SERVICE MANUAL

Remote Control Digital Color Television

DP26640 (U.S.A.) (CANADA)

ORIGINAL VERSION

Chassis No. P26640-06

NOTE: Match the Chassis No. on the unit's back cover with the Chassis No. in the Service Manual.

If the Original Version Service Manual Chassis No. does not match the unit's, additional Service Literature is required. You **must** refer to "Notices" to the Original Service Manual prior to servicing the unit.

Servicing should be performed by only trained and qualified service personnel.

Contents

Specifications

POWER RATING 120VAC
95 W (AVG.)
ANTENNA INPUT IMPEDANCE 75Ω
UHF/VHF/CATV
DIGITAL
RECEIVING CHANNEL . . . . . 2 - 13 (VHF),
14 - 69 (UHF),
01, 14-94, 95-135 (CATV)
1-135 (DIGITAL)
REMOTE READY . . . . . 36 KEY REMOTE CONTROL
SOUND OUTPUT . . . . . 10.0 W/CH
INTERMEDIATE FREQUENCY
PICTURE IF CARRIER 45.75MHz
SOUND IF CARRIER 41.25MHz
COLOR SUB CARRIER 42.17MHz
CABINET DIMENSIONS
WIDTH 663mm
HEIGHT 484mm
DEPTH INCLUDING BASE 241mm

SAFETY INSTRUCTIONS

SAFETY PRECAUTIONS

WARNING: The chassis of this receiver has a floating ground with the potential of one half the AC line voltage in respect to earth ground. Service should not be attempted by anyone not familiar with the precautions necessary when working on this type of equipment.

The following precautions must be observed:

1. An isolation transformer must be connected in the power line between the receiver and the AC line before any service is performed on the receiver.
2. Comply with all caution and safety-related notes provided inside the cabinet, on the chassis, and on the back.
3. When replacing a chassis in the cabinet, always be certain that all the protective devices are installed properly, such as control knobs, adjustment covers, shields and barriers.
4. Before replacing the back cover of the set, thoroughly inspect the inside of the cabinet to see that no stray parts or tools have been left inside.

   Before returning any television to the customer, the service technician must perform the following safety checks to be sure that the unit is completely safe to operate without danger of electrical shock.

ANTENNA COLD CHECK

Remove AC plug from the 120 VAC outlet and place a jumper across the two blades. Connect one lead of an ohmmeter to the jumpered AC plug, and touch the other lead to each exposed antenna terminal (UHF and VHF antenna terminals). The resistance must measure between 1M ohm and 5.2M ohm. Any resistance value below or above this range indicates an abnormality which requires corrective action.

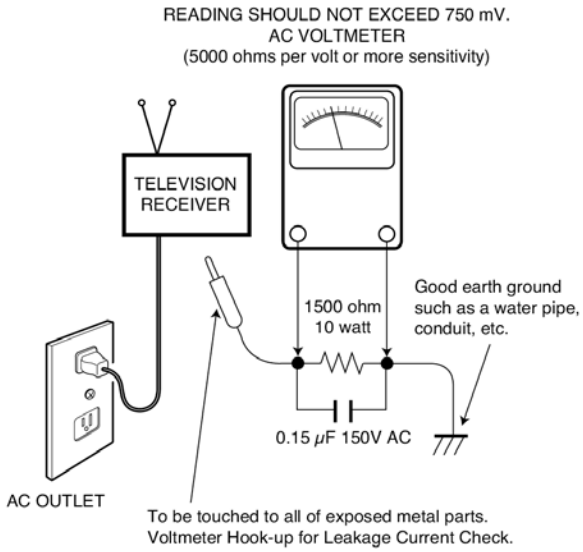
LEAKAGE CURRENT CHECK

Plug the AC line cord directly into a 120 VAC outlet. (Do not use an isolation transformer for this check.) Use an AC voltmeter, that has 5000 ohms per volt or more sensitivity. Connect a 1500 ohm 10 watt resistor, paralleled by a 0.15 µF 150 VAC capacitor, between a known good earth ground (water pipe, conduit, etc.) and all exposed metal parts of the cabinet (antennas, handle bracket, metal cabinet, screw heads, metal overlays, control shafts, etc.). Measure the AC voltage across the 1500 ohm resistor. The AC voltage should not exceed 750 mV. A reading exceeding 750 mV indicates that a dangerous potential exists. The fault must be located and corrected. Repeat the above test with the receiver power plug reversed.

NEVER RETURN A RECEIVER TO THE CUSTOMER WITHOUT TAKING THE NECESSARY CORRECTIVE ACTION.

PRODUCT SAFETY NOTICE

When replacing components in a receiver, always keep in mind the necessary product safety precautions. Pay special attention to the replacement of components marked with a ⚠ in the parts list and in the schematic diagrams. To ensure safe product operation, it is necessary to replace those components with the exact same PARTS.



SERVICING ELECTROSTATICALLY SENSITIVE DEVICES

Semiconductors (solid-state devices) that can be damaged by static electricity are referred to as Electrostatically Sensitive (ES) devices. Examples of typical ES devices are: Integrated Circuits (IC), Field-Effect Transistors (FET), and "chip" components. The following techniques should be observed strictly, to reduce the occurrence of semiconductor damage due to electrostatic discharge.

1. Immediately prior to handling any semiconductor component or an assembly containing a semiconductor device or devices, discharge the electrostatic buildup on your body by touching a known earth ground. You may also obtain and wear a commercially available discharging wrist strap device.

   CAUTION: Be sure to remove the wrist strap before applying power to any unit being serviced.
2. After removing an ES equipped assembly, place it on a conductive surface, such as, aluminum foil, to prevent buildup or exposure to static electricity.
3. Use only grounded-tip soldering irons to solder or unsolder ES devices.
4. Use only anti-static solder removal devices. Some suction-type devices can generate static electricity adequate to damage ES devices.
5. A replacement ES device will come packaged in protective material (conductive foam, aluminum foil, or some comparable conductive material). Do Not remove an ES device from its protective packaging unless you are prepared to install it immediately.
6. Precisely prior to removing an ES device from its protective packaging, touch the protective packaging to the chassis or assembly in which the device will be installed.

   CAUTION: Be sure that no power is applied to the chassis or circuit assembly.
7. Incidental body movements, such as, lifting a foot from a carpeted floor or the rubbing of fabric together can generate static electricity sufficient to damage ES devices. Therefore, minimize all body movements while handling exposed (unpackaged) ES devices.

SERVICE ADJUSTMENTS

GENERAL

This set has an On-screen Service Menu system included in the CPU that allows remote operation for most of the service adjustments.

ON-SCREEN SERVICE MENU SYSTEM

1. Enter the Service Menu:

- Turn off the receiver and disconnect the AC power supply.
- While pressing the Volume (**–**) button on the television, reconnect the AC power supply. The Service Menu will now appear. The remote can now be used to make adjustments. See Figure 1 below.

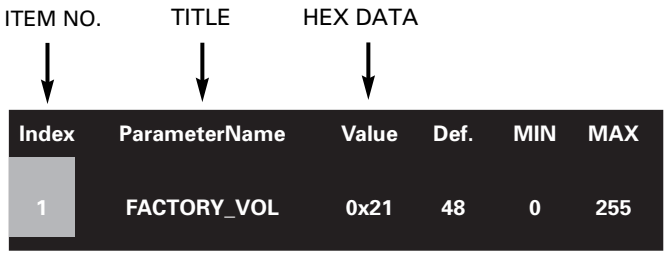


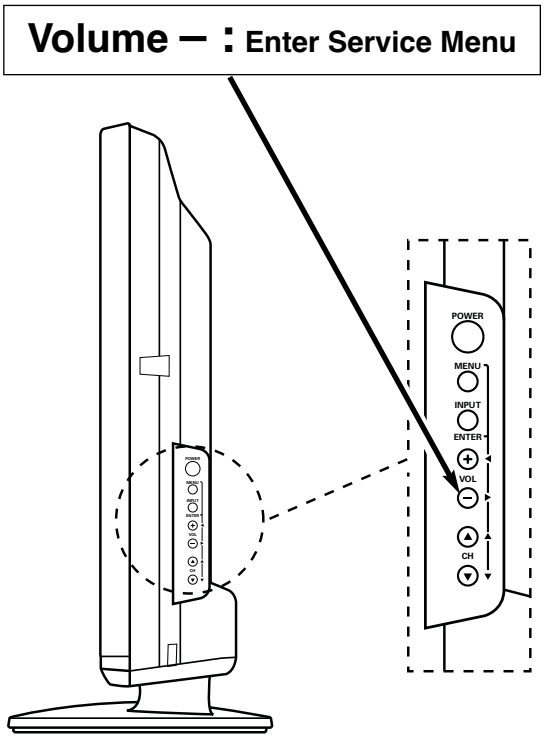
Figure 1. Service Menu Display

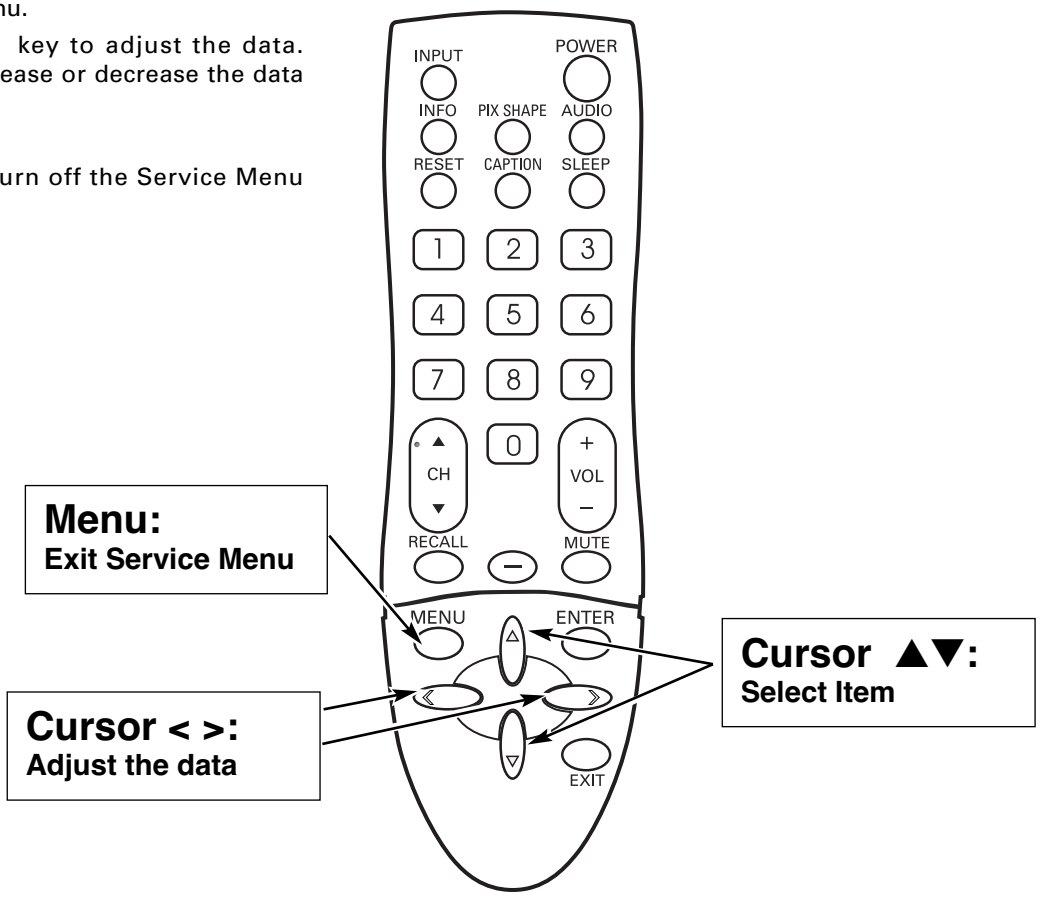
2. Service Adjustments:

- Press the Cursor ▲ and ▼ key to select the desired service menu item you want to adjust. See page 4 for the On-screen Service Menu.
- Use the Cursor ◄ or ► key to adjust the data. The ◄ or ► key will increase or decrease the data sequentially.

3. Exit from the Service Menu:

- Press the **MENU** key to turn off the Service Menu display.





ON-SCREEN SERVICE MENU

Table 1. ON-SCREEN SERVICE MENU

When IC5750 (Flash Memory) is replaced, check the bus data to confirm they are the same as below. See page 3 for On-Screen Service Menu access and adjustments.

No.	Title	Initial Data	Note
1A0	MUTE	A0h	Audio mute at Power ON
086	VOL	30h	Volume setup inspection
087	OP1	00h	Option 1 Data (HDMI)
088	OP2	03h	Option 2 Data (Display Panel)
101	1R00	00h	ROM Correction Data
102	1R01	00h	ROM Correction Data
↓	↓	↓	↓
197	2R47	00h	ROM Correction Data
198	2R48	00h	ROM Correction Data

- All data except in gray box area is fixed. Do not change for correct operating.
- Data in gray box is initial and can be set according to adjusment information.

PROGRAM CODES

The microprocessor used in this model is a multi-purpose type and is used in several different models. To ensure proper operation and the correct features for your particular model, the program codes must be correct.

Note 1. Option Data 1 (NO. 087 OP1) should be hexadecimal 00. See 087 above. If this program code is wrong the TV will not operate properly.

Note 2. Option Data 2 (NO. 088 OP2) should be hexadecimal 03. See 088 above. If this program code is wrong the TV will not operate properly.

POWER FAILURE CIRCUIT

Internal sub_CPU on main IC 5500 is programmed so the set will go to standby mode when there is circuit failure as described below. (Refer to"Block Diagram Power Lines".)

This unit is equipped with a Power Failure Detector function included in the sub_CPU which checks for an abnormal condition in the chassis power supplies.

If, while the power is on, a failure is caused by any of the following that results in a low voltage supply, the sub_CPU will turn the unit off in 1.5 seconds to prevent further damage:

- Failure within the power supply circuits.
- A short circuit in the load side from the supply.

Power Failure: Detected voltage failure for circuit. (Connected to IC5500 pin D9, through RB5501.)

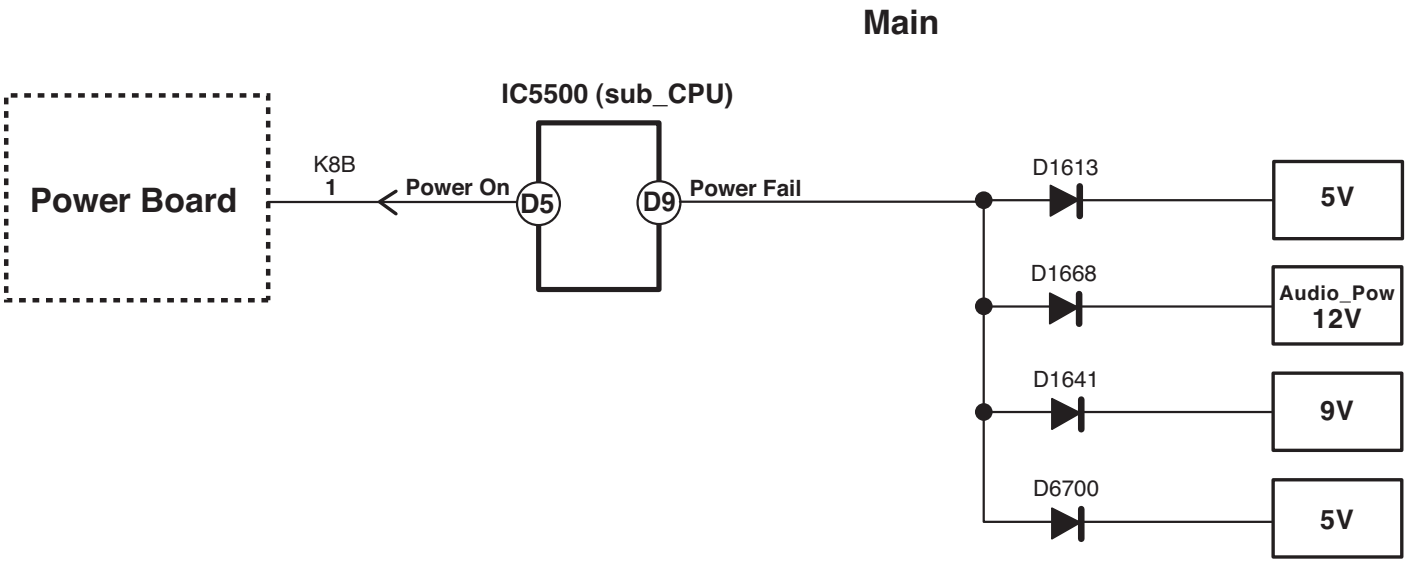
(Normal: High; Failure: Low)

If, while the power is off, the power is switched on and any of these failures remains uncorrected, the sub_CPU will shut off the power within three seconds.

Check the following if the unit is turned off by the power failure detector.

1. Disconnect the AC power cord (120V AC line) for a short time.
2. Connect a DC Voltmeter to the circuits shown below.
3. Press the Power key and check for the proper voltage supplies.
4. If any of these voltages is low, the power failure detector should turn the unit off within three seconds.
5. Check all circuits shown below.

Note: If power failure is detected 3 times in 15 minutes, the set will enter the standby mode and cannot be switched On.To reset the operating programs of the sub_CPU it is necessary to disconnect the AC cord for a short time.



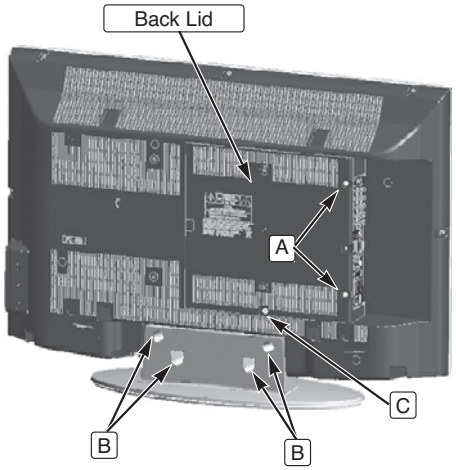
MECHANICAL DISASSEMBLY

CAUTION:

This LCD TV uses several different kinds of screws. Using the correct screw is necessary to prevent damage. Lead wires must be redressed to their previous locations after servicing. The Earth sheet and gasket are provided to prevent interference to other radio and television receivers. The Earth sheet and gasket should be returned to its previous position after servicing.

BACK LID REMOVAL

Remove 3 screws to take the back lid off.
(A: 3x6, 2pcs; C: 3x14, 1pc.)



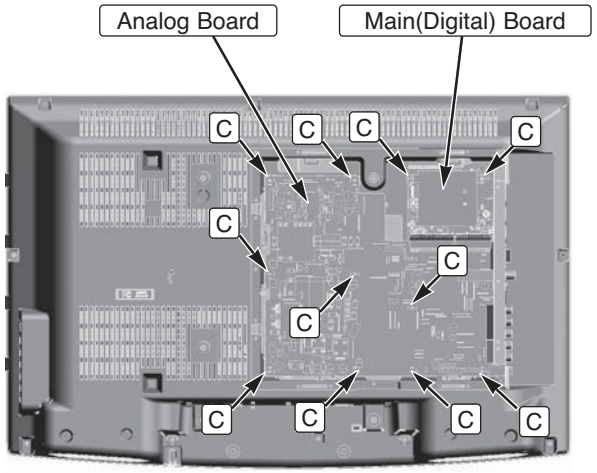
STAND REMOVAL

Note: Position TV face down on a padded or cushioned surface to protect the screen and finish.

Remove 4 screws (B: 6x16) to take the stand off.

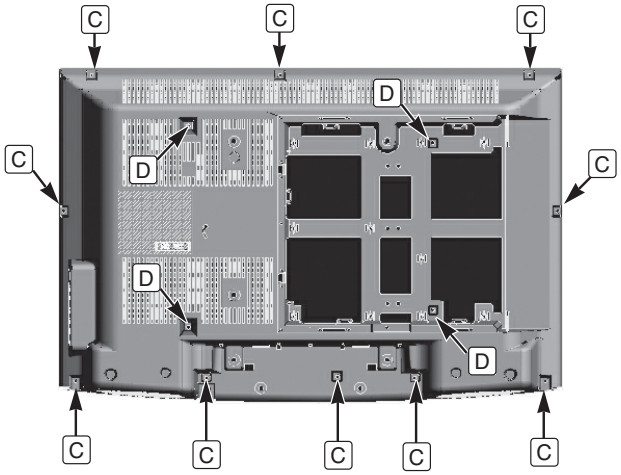
ANALOG BOARD AND MAIN (DIGITAL) BOARD REMOVAL

Remove 11 screws (C: 3x14) to take the analog board and the main (digital) board off.



BACK CABINET REMOVAL

Remove 14 screws (C:3x14, 10pcs; D:4x8, 4pcs;) to take the back cabinet off.

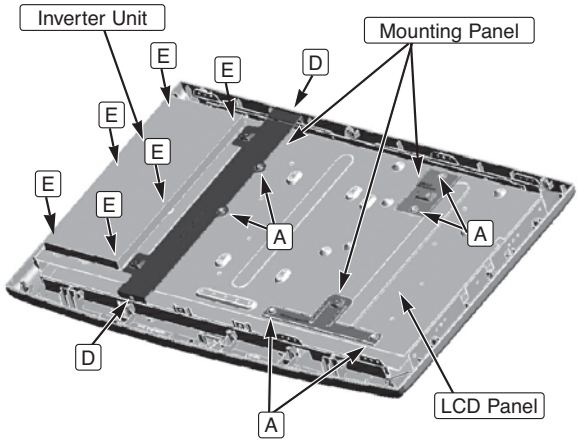


ELECTROSTATICALLY SENSITIVE DEVICES

Many solid-state devices (especially Integrated Circuits) are Electrostatically Sensitive, and, therefore, require special handling techniques as described under "Servicing Electrostatically Sensitive Devices," on page two in this service literature.

LCD PANEL REMOVAL

1. Remove 8 screws to take the mounting panel off. (A:3x6, 6pcs; D:4x8, 2pcs.)
2. Remove 6 screws to take the inverter unit off. (E:2.5x6, 2pcs.)
3. Lift up the LCD panel from front cabinet.

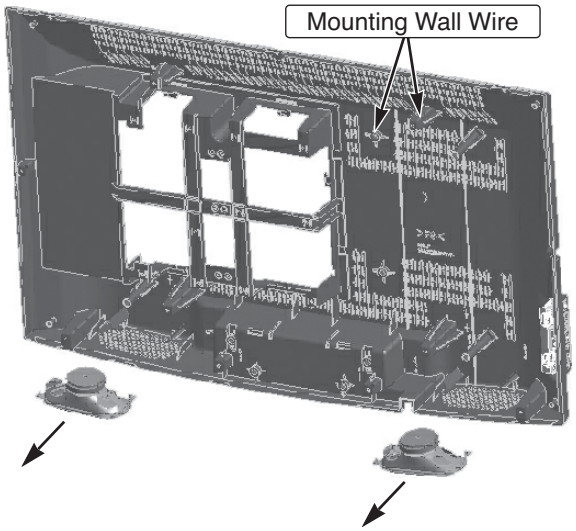


SPEAKER REMOVAL

Take off each speaker from back cabinet

[ATTENTION]

Confirm Mounting Wall Wire is installed when you install the back cabinet.

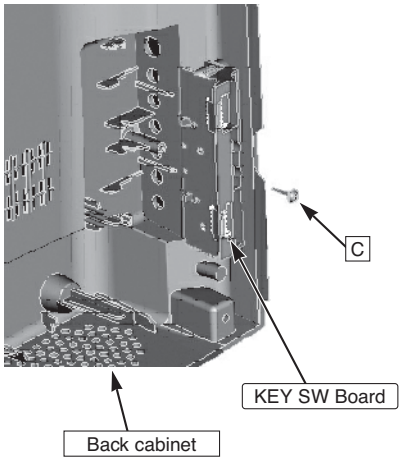


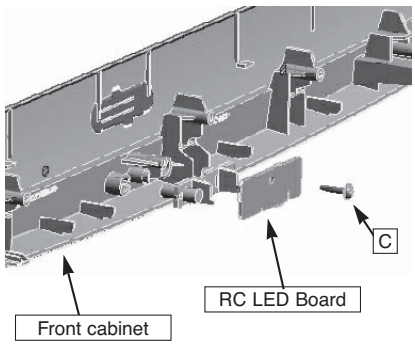
KEY SW BOARD REMOVAL

Remove 1 screw (C:3x14) to take the KEY SW board off.

RC LED BOARD REMOVAL

Remove 1 screw (C: 3x14) to take the RC LED board off.





CHASSIS ELECTRICAL PARTS LIST

CAUTION: To Protect against electrical shock and for continued product safety, refer to SAFETY PRECAUTIONS and PRODUCT SAFETY NOTICE on Page 2.

PRODUCT SAFETY NOTICE

PRODUCT SAFETY SHOULD BE CONSIDERED WHEN A REPLACEMENT IS MADE IN ANY AREA OF A RECEIVER. COMPONENTS INDICATED BY A ⚠ IN THIS PARTS LIST AND THE SCHEMATIC DIAGRAM DESIGNATE COMPONENTS IN WHICH SAFETY CAN BE OF SPECIAL SIGNIFICANCE. IT IS PARTICULARLY RECOMMENDED THAT ONLY PARTS DESIGNATED ON THE FOLLOWING PARTS LIST BE USED FOR COMPONENT REPLACEMENT DESIGNATED BY A ⚠. NO DEVIATIONS FROM RESISTANCE, WATTAGE, AND VOLTAGE RATINGS MAY BE MADE FOR REPLACEMENT ITEMS DESIGNATED BY A ⚠.

Note: Schematic part location numbers may not always match with the part descriptions.
The part descriptions are correct and should be used.

Schematic Location	Part No.	Description

CAPACITORS

NOTES:
Read description of the Capacitor as follows:

(Example)
CERAMIC 100P K 50V

- CERAMIC — Material
- 100P — Rated value: P=pico farad, U=micro farad
- K — Tolerance Symbols:

Less than 10pF

A : Not specified	B : ±0.1pF	C : ±0.25pF
D : ±0.5pF	E : +0 -1pF	F : ±1PF
G : ±2pF	H : +0.1 -0pF	L : +0 -0.1pF
R : ±0.25 -0pF	S : +0-0.25pF	

More than 10pF

A :Not specified	B : ±0.1%	C : ±0.25%
D : ±0.5%	F : ±1%	G : ±2%
H :±3%	J :±5%	K :±10%
L :±15%	M :±20%	N :±30%
P :+100-0%	Q :+30-10%	T :+50-10%
U :+75-10%	V :+20-10%	W :+100-10%
X :+40-20%	Y :+150-10%	Z : +80-20%

- 50V — Rated Voltage

Material:
CERAMIC..... Ceramic
MT-PAPER..... Metallized Paper
POLYESTER..... Polyester
MT-POLYEST.....Metallized Polyester
POLYPRO..... Polypropylene
MT-POLYPRO.... Metallized Polypropylene
COMPO FILM..... Composite Film
MT-COMPO..... Metallized Composite
STYRENE..... Styrene
TA-SOLID..... Tantalum Solid
AL-SOLID..... Aluminium Solid
ELECT..... Electrolytic
NP-ELECT..... Non-polarised Electrolytic
OS-SOLID..... Aluminium Solid with Organic Semiconductive Electrolytic

Schematic Location	Part No.	Description

RESISTORS

NOTES:
Read description of the Resistor as follows:

(Example)
CARBON 4.7K J A 1/4W

- CARBON — Material:
  CARBON ..... Carbon
  MT-FILM ..... Metal Film
  OXIDE-MT ..... Oxide Metal Film
  SOLID ..... Composition
  MT-GLAZE ..... Metal Glaze
  WIRE WOUND ..... Wire Wound
  CERAMIC RES ..... Ceramic
  FUSIBLE RES ..... Fusible
- 4.7K — Rated Value, ohms:
  K...1,000 M...1,000,000
- J — Tolerance Symbols:
  A...0.05% B...0.1% C...25%
  D...0.5% F...1% G...2%
  J...5% K...10% M...20%
  P...+5 -15%
- A — Performance Symbols:
  A...General B...Non-flammable
  Z...Low noise
  Other... Temperature coefficient
- 1/4W — Rated Wattage

DIGITAL BOARD UNIT PARTS LIST

CAPACITORS

Schematic Location	Part No.	Description		
C001	F1G1C104A077	CERAMIC	0.1U K	16V
C003	F1G1C104A077	CERAMIC	0.1U K	16V
C004	F1J1E105A171	CERAMIC	1U K	25V
C005	F1G1C104A077	CERAMIC	0.1U K	16V
C006	F1G1C104A077	CERAMIC	0.1U K	16V
C007	F1J0J106A004	CERAMIC	10U K	6.3V
	F1J0J106A020	CERAMIC	10U K	6.3V
C008	F1H1H104A913	CERAMIC	0.1U K	50V
C009	F1H1H104A913	CERAMIC	0.1U K	50V
C010	F1J0J106A004	CERAMIC	10U K	6.3V
	F1J0J106A020	CERAMIC	10U K	6.3V
C011	F1J0J106A004	CERAMIC	10U K	6.3V
	F1J0J106A020	CERAMIC	10U K	6.3V
C012	F1H1E474A100	CERAMIC	0.47U K	25V
C013	F1H1E474A100	CERAMIC	0.47U K	25V
C015	F1H1H104A913	CERAMIC	0.1U K	50V
C017	F1H1H104A913	CERAMIC	0.1U K	50V
C018	F1H1E474A100	CERAMIC	0.47U K	25V
C019	F1H1E474A100	CERAMIC	0.47U K	25V
C020	F1J0J106A004	CERAMIC	10U K	6.3V
	F1J0J106A020	CERAMIC	10U K	6.3V
C021	F1J0J106A004	CERAMIC	10U K	6.3V
	F1J0J106A020	CERAMIC	10U K	6.3V
C023	F1J0J106A004	CERAMIC	10U K	6.3V
C023	F1J0J106A020	CERAMIC	10U K	6.3V
C024	F1G1C104A077	CERAMIC	0.1U K	16V
C025	F1J0J106A004	CERAMIC	10U K	6.3V
	F1J0J106A020	CERAMIC	10U K	6.3V
C027	F1J1E105A171	CERAMIC	1U K	25V
C5505	F1J0J106A004	CERAMIC	10U K	6.3V
	F1J0J106A020	CERAMIC	10U K	6.3V
C5506	F1G1H103A706	CERAMIC	0.01U K	50V
C5507	F1H0J4750004	CERAMIC	4.7U K	6.3V
C5508	F1G1C104A077	CERAMIC	0.1U K	16V
C5509	F1J0J106A004	CERAMIC	10U K	6.3V
	F1J0J106A020	CERAMIC	10U K	6.3V
C5510	F1G1C104A077	CERAMIC	0.1U K	16V
C5511	F1G1H1020008	CERAMIC	1000P K	50V
C5512	F1G1C104A077	CERAMIC	0.1U K	16V
C5513	F1G1C104A077	CERAMIC	0.1U K	16V
C5514	F1G1H1020008	CERAMIC	1000P K	50V
C5515	F1G1H1020008	CERAMIC	1000P K	50V
C5516	F1G1H103A706	CERAMIC	0.01U K	50V
C5517	F1G1H221A737	CERAMIC	220P J	50V
C5518	F1G1C104A077	CERAMIC	0.1U K	16V
C5519	F1G1H103A706	CERAMIC	0.01U K	50V
C5520	F1G1C104A077	CERAMIC	0.1U K	16V
C5522	CC1H390JMNCNG	CERAMIC	39P J	50V
C5523	F1J0J106A004	CERAMIC	10U K	6.3V
	F1J0J106A020	CERAMIC	10U K	6.3V
C5525	F1G1H221A737	CERAMIC	220P J	50V
C5527	F1G1H103A706	CERAMIC	0.01U K	50V
C5528	F1G1C104A077	CERAMIC	0.1U K	16V
C5531	F1G1C104A077	CERAMIC	0.1U K	16V
C5532	F1J0J106A004	CERAMIC	10U K	6.3V
	F1J0J106A020	CERAMIC	10U K	6.3V
C5533	F1G1C104A077	CERAMIC	0.1U K	16V
C5534	F1G1H103A706	CERAMIC	0.01U K	50V
C5535	F1G1H1020008	CERAMIC	1000P K	50V
C5536	F1G1H221A737	CERAMIC	220P J	50V
C5537	F1J0J106A004	CERAMIC	10U K	6.3V
	F1J0J106A020	CERAMIC	10U K	6.3V
C5538	F1G1H1020008	CERAMIC	1000P K	50V
C5539	F1G1H103A706	CERAMIC	0.01U K	50V
C5540	F1G1H1020008	CERAMIC	1000P K	50V
C5541	F1G1H103A706	CERAMIC	0.01U K	50V
C5542	F1J0J106A004	CERAMIC	10U K	6.3V
	F1J0J106A020	CERAMIC	10U K	6.3V
C5543	F1G1H103A706	CERAMIC	0.01U K	50V
C5544	F1G1A105A047	CERAMIC	1U K	10V
C5546	F1G1C104A077	CERAMIC	0.1U K	16V
C5547	F1G1H392A571	CERAMIC	3900P K	50V
C5549	F1G1C104A077	CERAMIC	0.1U K	16V
C5550	F1G1H103A706	CERAMIC	0.01U K	50V
C5551	F1G1H1020008	CERAMIC	1000P K	50V
C5552	F1G1C104A077	CERAMIC	0.1U K	16V
C5553	F1G1H103A706	CERAMIC	0.01U K	50V
C5554	F1J0J106A004	CERAMIC	10U K	6.3V
	F1J0J106A020	CERAMIC	10U K	6.3V
C5555	F1G1C104A077	CERAMIC	0.1U K	16V
C5556	F1J0J106A004	CERAMIC	10U K	6.3V
	F1J0J106A020	CERAMIC	10U K	6.3V
C5557	F1G1A105A047	CERAMIC	1U K	10V
C5558	F1G1H1020008	CERAMIC	1000P K	50V
C5559	F1G1H1020008	CERAMIC	1000P K	50V
C5560	F1G1A105A047	CERAMIC	1U K	10V
C5561	F1G1H1020008	CERAMIC	1000P K	50V
C5562	F1G1C104A077	CERAMIC	0.1U K	16V
C5563	F1G1C104A077	CERAMIC	0.1U K	16V
C5565	F1J0J106A004	CERAMIC	10U K	6.3V
	F1J0J106A020	CERAMIC	10U K	6.3V
C5566	F1G1A105A047	CERAMIC	1U K	10V
C5567	F1H0J4750004	CERAMIC	4.7U K	6.3V
C5568	F1G1H1020008	CERAMIC	1000P K	50V
C5569	F1G1C104A077	CERAMIC	0.1U K	16V
C5570	F1J0J106A004	CERAMIC	10U K	6.3V
C5570	F1J0J106A020	CERAMIC	10U K	6.3V
C5571	F1G1C104A077	CERAMIC	0.1U K	16V
C5572	F1G1A105A047	CERAMIC	1U K	10V
C5574	F1G1A105A047	CERAMIC	1U K	10V
C5575	F1G1A105A047	CERAMIC	1U K	10V
C5576	F1G1A105A047	CERAMIC	1U K	10V
C5577	F1G1A105A047	CERAMIC	1U K	10V
C5578	F1G1A105A047	CERAMIC	1U K	10V
C5579	F1G1A105A047	CERAMIC	1U K	10V
C5580	F1G1A105A047	CERAMIC	1U K	10V
C5581	F1G1E473A091	CERAMIC	0.047U K	25V
C5583	F1G1E473A091	CERAMIC	0.047U K	25V

Schematic Location	Part No.	Description		
C5585	F1G1H103A706	CERAMIC	0.01U K	50V
C5586	F1G1E473A091	CERAMIC	0.047U K	25V
C5588	F1G1E473A091	CERAMIC	0.047U K	25V
C5590	F1G1E473A091	CERAMIC	0.047U K	25V
C5592	F1G1C104A077	CERAMIC	0.1U K	16V
C5593	F1G1E473A091	CERAMIC	0.047U K	25V
C5595	F1G1E473A091	CERAMIC	0.047U K	25V
C5597	F1G1H103A706	CERAMIC	0.01U K	50V
C5598	F1G1E473A091	CERAMIC	0.047U K	25V
C5600	F1G1E473A091	CERAMIC	0.047U K	25V
C5602	F1G1E473A091	CERAMIC	0.047U K	25V
C5606	CC1H390JMNCNG	CERAMIC	39P J	50V
C5613	F1H1H1500009	CERAMIC	15P J	50V
C5614	F1H1H1500009	CERAMIC	15P J	50V
C5615	F1G1C104A077	CERAMIC	0.1U K	16V
C5616	F1G1C104A077	CERAMIC	0.1U K	16V
C5618	F1G1C104A077	CERAMIC	0.1U K	16V
C5619	CC1H150JMNCNG	CERAMIC	15P J	50V
C5620	CC1H150JMNCNG	CERAMIC	15P J	50V
C5650	F1J0J106A004	CERAMIC	10U K	6.3V
	F1J0J106A020	CERAMIC	10U K	6.3V
C5652	CK1A684KMNBNG	CERAMIC	0.68U K	10V
C5653	F1G1C104A077	CERAMIC	0.1U K	16V
C5658	F1G1A2240008	CERAMIC	0.22U K	10V
C5661	F1G1C104A077	CERAMIC	0.1U K	16V
C5700	F1G1A105A047	CERAMIC	1U K	10V
C5701	F1G1C104A077	CERAMIC	0.1U K	16V
C5702	F1G1A105A047	CERAMIC	1U K	10V
C5703	F1G1C104A077	CERAMIC	0.1U K	16V
C5704	F1G1C104A077	CERAMIC	0.1U K	16V
C5705	F1G1C104A077	CERAMIC	0.1U K	16V
C5707	F1G1C104A077	CERAMIC	0.1U K	16V
C5708	F1G1C104A077	CERAMIC	0.1U K	16V
C5709	F1G1C104A077	CERAMIC	0.1U K	16V
C5711	F1G1C104A077	CERAMIC	0.1U K	16V
C5712	F1G1C104A077	CERAMIC	0.1U K	16V
C5713	F1G1C104A077	CERAMIC	0.1U K	16V
C5714	F1J0J106A004	CERAMIC	10U K	6.3V
	F1J0J106A020	CERAMIC	10U K	6.3V
C5715	F1J0J106A004	CERAMIC	10U K	6.3V
	F1J0J106A020	CERAMIC	10U K	6.3V
C5750	F1G1A105A047	CERAMIC	1U K	10V
C5902	F1G1A105A047	CERAMIC	1U K	10V
C5903	F1G1A474A052	CERAMIC	0.47U K	10V
C5905	F1G1C104A077	CERAMIC	0.1U K	16V
C6330	F1G1C104A077	CERAMIC	0.1U K	16V
C6332	F2G1C221A066	ELECT	220U M	16V
C6530	F1G1C104A077	CERAMIC	0.1U K	16V
C6531	F1G1C104A077	CERAMIC	0.1U K	16V
C6560	F1G1C104A077	CERAMIC	0.1U K	16V
C6561	F1G1C104A077	CERAMIC	0.1U K	16V
C6600	F1G1C104A077	CERAMIC	0.1U K	16V
C6601	F1G1A105A047	CERAMIC	1U K	10V
C6602	F2G1C471A066	ELECT	470U M	16V
C6701	F1G1C104A077	CERAMIC	0.1U K	16V
C6702	F1G1C104A077	CERAMIC	0.1U K	16V

Schematic Location	Part No.	Description		
C6703	F1J0J106A004	CERAMIC	10U K	6.3V
C6703	F1J0J106A020	CERAMIC	10U K	6.3V
C6706	F1G1C104A077	CERAMIC	0.1U K	16V
C6707	F2G1C471A066	ELECT	470U M	16V
C6708	F1G1A2240008	CERAMIC	0.22U K	10V
C6720	F1H0J4750004	CERAMIC	4.7U K	6.3V
C6721	F1G1C104A077	CERAMIC	0.1U K	16V
C6722	F1G1H223A720	CERAMIC	0.022U K	50V
C6723	F1G1A105A047	CERAMIC	1U K	10V
C6725	F1G1H392A571	CERAMIC	3900P K	50V
C6726	F1G1A105A047	CERAMIC	1U K	10V
C6727	F2G1C471A066	ELECT	470U M	16V
C6728	F1G1H103A706	CERAMIC	0.01U K	50V
C6729	F1G1C104A077	CERAMIC	0.1U K	16V
C6730	F1G1H1020008	CERAMIC	1000P K	50V
C6740	F1G1A2240008	CERAMIC	0.22U K	10V
C6741	F1G1C104A077	CERAMIC	0.1U K	16V
C6742	F1G1C104A077	CERAMIC	0.1U K	16V
C6743	F2G1C221A066	ELECT	220U M	16V
C6752	F1G1E473A091	CERAMIC	0.047U K	25V
C6753	F1G1A105A047	CERAMIC	1U K	10V
C6754	F1G1A105A047	CERAMIC	1U K	10V

DIODES

D6700	B0ACCK000005	DIODE 1SS355-TE-17
	B0ACCK000019	DIODE 1SS355
	B0ACDJ000007	DIODE 1SS352-(TPH3)
D6720	B0JCND000033	DIODE CRS20I30A

INTEGRATED CIRCUITS

IC001	QLV4906V-H—P	IC LV4906V-TLM-H
IC5500	C1AB00003726	IC ZR39748BGCG
IC5650	C0EBY0000980	IC XC6108N28AMR
IC5660	C0EBY0000980	IC XC6108N28AMR
IC5700	C3ABSY000092	IC H5PS5162FFR-25C
	QXXAVD265—-M	IC V59C1512164QDJ25
IC5750	QXXAAJQ1300—	IC S25FL064P0XMFI0 N8LJ
IC5750A	C3FBPY000228	IC S25FL064P0XMFI000
IC5900	C0EBY0000980	IC XC6108N28AMR
IC6530	C0JBAA000502	“IC TC7SET08FU(5L,JF,T”
	C0JBAA000505	IC 74AHCT1G08GW
IC6560	C0JBAA000502	“IC TC7SET08FU(5L,JF,T”
	C0JBAA000505	IC 74AHCT1G08GW
IC6600	C0DBZYY00458	IC RT9711CGB
IC6700	C0CBAYG00009	IC LM1117S-ADJ
IC6720	QLV5893M-E—P	IC LV5893M-TE-L-E
IC6750	C0DBGYY02242	IC AP2128K-ADJTRG1

COILS

L001	J0JCC0000371	“INDUCTOR , 120 OHM”
L002	G1C220MA0445	“INDUCTOR ,22UH”
L003	G1C220MA0445	“INDUCTOR ,22UH”
L004	G1C220MA0445	“INDUCTOR ,22UH”
L005	G1C220MA0445	“INDUCTOR ,22UH”
L010	J0JYC0000381	“INDUCTOR , 220 OHM”

Schematic Location	Part No.	Description
L011	J0JYC0000381	“INDUCTOR , 220 OHM”
L012	J0JYC0000381	“INDUCTOR , 220 OHM”
L013	J0JYC0000381	“INDUCTOR , 220 OHM”
L5500	J0JCC0000371	“INDUCTOR , 120 OHM”
L5501	J0JCC0000371	“INDUCTOR , 120 OHM”
L5502	J0JCC0000371	“INDUCTOR , 120 OHM”
L5503	J0JYC0000381	“INDUCTOR , 220 OHM”
L5504	J0JYC0000381	“INDUCTOR , 220 OHM”
L5505	J0JCC0000371	“INDUCTOR , 120 OHM”
L5506	J0JCC0000371	“INDUCTOR , 120 OHM”
L5507	J0JCC0000371	“INDUCTOR , 120 OHM”
L5508	J0JCC0000371	“INDUCTOR , 120 OHM”
L5509	J0JCC0000371	“INDUCTOR , 120 OHM”
L5510	J0JCC0000371	“INDUCTOR , 120 OHM”
L5511	J0JCC0000371	“INDUCTOR , 120 OHM”
L5512	D0GB750JA072	MT-GLAZE 75 JA 1/10W
L5513	J0JCC0000371	“INDUCTOR , 120 OHM”
L5514	J0JCC0000371	“INDUCTOR , 120 OHM”
L5515	J0JCC0000371	“INDUCTOR , 120 OHM”
L5516	G1CR22JA0041	“INDUCTOR,0.22U J”
L6301	RGFR000ZTAANL	MT-GLAZE 0.000 ZA 1/10W
L6308	RGFR000ZTAANL	MT-GLAZE 0.000 ZA 1/10W
L6313	D1HYR004A012	R-NETWORK 0X4 0.063W
L6314	D1HYR004A012	R-NETWORK 0X4 0.063W
L6315	D1HYR004A012	R-NETWORK 0X4 0.063W
L6720	G1C220MA0445	“INDUCTOR ,22UH”
L6721	RGFR000ZTAANL	MT-GLAZE 0.000 ZA 1/10W
L6722	RGFR000ZTAANL	MT-GLAZE 0.000 ZA 1/10W

TRANSISTORS

Q6329	TCPH3338-T-EP	TR CPH3338-T-TL-E
Q6330	T2SC2859-Y—P	TR 2SC2859-Y TE85L
Q6331	B1ABDF000012	TR 2SC3928A1S
	B1ABDF000013	TR 2SC3928A1R
	TXXLBB006—-P	TR MMBTSC3928R
Q6332	B1ABDF000012	TR 2SC3928A1S
	B1ABDF000013	TR 2SC3928A1R
	TXXLBB006—-P	TR MMBTSC3928R
Q6700	B1ABDF000012	TR 2SC3928A1S
	B1ABDF000013	TR 2SC3928A1R
	TXXLBB006—-P	TR MMBTSC3928R
Q6701	TCPH3338-T-EP	TR CPH3338-T-TL-E
Q6720	B1ABDF000012	TR 2SC3928A1S
	B1ABDF000013	TR 2SC3928A1R
	TXXLBB006—-P	TR MMBTSC3928R
Q6721	B1ABDF000012	TR 2SC3928A1S
	B1ABDF000013	TR 2SC3928A1R
	TXXLBB006—-P	TR MMBTSC3928R
Q6730	TMCH6437-P-EG	TR MCH6437-P-TL-E
Q6740	B1ABDF000012	TR 2SC3928A1S
	B1ABDF000013	TR 2SC3928A1R
	TXXLBB006—-P	TR MMBTSC3928R
Q6741	B1ABDF000012	TR 2SC3928A1S
	B1ABDF000013	TR 2SC3928A1R
	TXXLBB006—-P	TR MMBTSC3928R
Q6742	TMCH6437-P-EG	TR MCH6437-P-TL-E

Schematic Location	Part No.	Description

RESISTORS

R004	D0GB101JA069	MT-GLAZE	100 JA 1/10W
R005	D0GB101JA069	MT-GLAZE	100 JA 1/10W
R006	D0GB101JA069	MT-GLAZE	100 JA 1/10W
R007	D0GBR00JA071	MT-GLAZE	0.000 ZA 1/10W
R008	D0GBR00JA071	MT-GLAZE	0.000 ZA 1/10W
R5500	D0GB103JA072	MT-GLAZE	10K JA 1/10W
R5501	D0GB103JA072	MT-GLAZE	10K JA 1/10W
R5502	D0GBR00JA071	MT-GLAZE	0.000 ZA 1/10W
R5503	D0GBR00JA071	MT-GLAZE	0.000 ZA 1/10W
R5504	D0GBR00JA071	MT-GLAZE	0.000 ZA 1/10W
R5505	D0GB123ZA038	MT-GLAZE	12K FA 1/10W
R5506	D0GB821ZA037	MT-GLAZE	820 FA 1/10W
R5507	D0GB102JA071	MT-GLAZE	1K JA 1/10W
R5508	D0GB123ZA038	MT-GLAZE	12K FA 1/10W
R5509	D0GB472ZA038	MT-GLAZE	4.7K FA 1/10W
R5510	D0GB472ZA038	MT-GLAZE	4.7K FA 1/10W
R5513	D0GB820JA072	MT-GLAZE	82 JA 1/10W
R5514	D0GB100JA072	MT-GLAZE	10 JA 1/10W
R5516	D0GB101JA069	MT-GLAZE	100 JA 1/10W
R5517	D0GB101JA069	MT-GLAZE	100 JA 1/10W
R5518	D0GB101JA069	MT-GLAZE	100 JA 1/10W
R5519	D0GB101JA069	MT-GLAZE	100 JA 1/10W
R5520	D0GBR00JA071	MT-GLAZE	0.000 ZA 1/10W
R5522	D0GB102JA071	MT-GLAZE	1K JA 1/10W
R5523	D0GB103JA072	MT-GLAZE	10K JA 1/10W
R5524	D0GB391ZA037	MT-GLAZE	390 FA 1/10W
R5525	D0GB472JA072	MT-GLAZE	4.7K JA 1/10W
R5526	D0GB472JA072	MT-GLAZE	4.7K JA 1/10W
R5527	D0GBR00JA071	MT-GLAZE	0.000 ZA 1/10W
R5528	D0GBR00JA071	MT-GLAZE	0.000 ZA 1/10W
R5529	D0GB333JA070	MT-GLAZE	33K JA 1/10W
R5530	D0GB273JA072	MT-GLAZE	27K JA 1/10W
R5531	D0GB333JA070	MT-GLAZE	33K JA 1/10W
R5532	D0GB273JA072	MT-GLAZE	27K JA 1/10W
R5533	D0GB333JA070	MT-GLAZE	33K JA 1/10W
R5534	D0GB273JA072	MT-GLAZE	27K JA 1/10W
R5535	D0GB333JA070	MT-GLAZE	33K JA 1/10W
R5536	D0GB273JA072	MT-GLAZE	27K JA 1/10W
R5537	D0GB333JA070	MT-GLAZE	33K JA 1/10W
R5538	D0GB273JA072	MT-GLAZE	27K JA 1/10W
R5539	D0GB333JA070	MT-GLAZE	33K JA 1/10W
R5540	D0GB273JA072	MT-GLAZE	27K JA 1/10W
R5541	D0GB333JA070	MT-GLAZE	33K JA 1/10W
R5542	D0GB273JA072	MT-GLAZE	27K JA 1/10W
R5543	D0GB273JA072	MT-GLAZE	27K JA 1/10W
R5544	D0GB333JA070	MT-GLAZE	33K JA 1/10W
R5545	D0GBR00JA071	MT-GLAZE	0.000 ZA 1/10W
R5546	D0GB750JA072	MT-GLAZE	75 JA 1/10W
R5547	D0GBR00JA071	MT-GLAZE	0.000 ZA 1/10W
R5548	D0GB750JA072	MT-GLAZE	75 JA 1/10W
R5549	D0GBR00JA071	MT-GLAZE	0.000 ZA 1/10W
R5550	D0GBR00JA071	MT-GLAZE	0.000 ZA 1/10W
R5551	D0GB750JA072	MT-GLAZE	75 JA 1/10W
R5552	D0GBR00JA071	MT-GLAZE	0.000 ZA 1/10W
R5553	D0GB750JA072	MT-GLAZE	75 JA 1/10W

Schematic Location	Part No.	Description
R5554	D0GBR00JA071	MT-GLAZE 0.000 ZA 1/10W
R5555	D0GB750JA072	MT-GLAZE 75 JA 1/10W
R5556	D0GBR00JA071	MT-GLAZE 0.000 ZA 1/10W
R5557	D0GB750JA072	MT-GLAZE 75 JA 1/10W
R5558	D0GBR00JA071	MT-GLAZE 0.000 ZA 1/10W
R5559	D0GB750JA072	MT-GLAZE 75 JA 1/10W
R5560	D0GBR00JA071	MT-GLAZE 0.000 ZA 1/10W
R5561	D0GBR00JA071	MT-GLAZE 0.000 ZA 1/10W
R5562	D0GB750JA072	MT-GLAZE 75 JA 1/10W
R5563	D0GBR00JA071	MT-GLAZE 0.000 ZA 1/10W
R5564	D0GB750JA072	MT-GLAZE 75 JA 1/10W
R5565	D0GBR00JA071	MT-GLAZE 0.000 ZA 1/10W
R5566	D0GB750JA072	MT-GLAZE 75 JA 1/10W
R5567	D0GBR00JA071	MT-GLAZE 0.000 ZA 1/10W
R5568	D0GB681JA069	MT-GLAZE 680 JA 1/10W
R5569	D0GB105JA071	MT-GLAZE 1M JA 1/10W
R5570	D0GBR00JA071	MT-GLAZE 0.000 ZA 1/10W
R5572	D0GB101JA069	MT-GLAZE 100 JA 1/10W
R5573	D0GB101JA069	MT-GLAZE 100 JA 1/10W
R5574	D0GB103JA072	MT-GLAZE 10K JA 1/10W
R5575	D0GB103JA072	MT-GLAZE 10K JA 1/10W
R5576	D0GB103JA072	MT-GLAZE 10K JA 1/10W
R5577	D0GBR00JA071	MT-GLAZE 0.000 ZA 1/10W
R5578	D0GB103JA072	MT-GLAZE 10K JA 1/10W
R5579	D0GB103JA072	MT-GLAZE 10K JA 1/10W
R5581	D0GB103JA072	MT-GLAZE 10K JA 1/10W
R5582	D0GB222JA072	MT-GLAZE 2.2K JA 1/10W
R5583	D0GB101JA069	MT-GLAZE 100 JA 1/10W
R5584	D0GB101JA069	MT-GLAZE 100 JA 1/10W
R5585	D0GBR00JA071	MT-GLAZE 0.000 ZA 1/10W
R5586	D0GBR00JA071	MT-GLAZE 0.000 ZA 1/10W
R5587	D0GB102JA071	MT-GLAZE 1K JA 1/10W
R5588	D0GB102JA071	MT-GLAZE 1K JA 1/10W
R5589	D0GB102JA071	MT-GLAZE 1K JA 1/10W
R5591	D0GB472JA072	MT-GLAZE 4.7K JA 1/10W
R5592	D0GB472JA072	MT-GLAZE 4.7K JA 1/10W
R5593	D0GB103JA072	MT-GLAZE 10K JA 1/10W
R5594	D0GB103JA072	MT-GLAZE 10K JA 1/10W
R5598	D0GB101JA069	MT-GLAZE 100 JA 1/10W
R5599	D0GB103JA072	MT-GLAZE 10K JA 1/10W
R5650	D0GBR00JA071	MT-GLAZE 0.000 ZA 1/10W
R5653	D0GB101JA069	MT-GLAZE 100 JA 1/10W
R5654	D0GB472JA072	MT-GLAZE 4.7K JA 1/10W
R5659	D0GB101JA069	MT-GLAZE 100 JA 1/10W
R5662	D0GB472JA072	MT-GLAZE 4.7K JA 1/10W
R5700	D0GB101ZA037	MT-GLAZE 100 FA 1/10W
R5701	D0GB101JA069	MT-GLAZE 100 JA 1/10W
R5702	D0GB101ZA037	MT-GLAZE 100 FA 1/10W
R5750	D0GB103JA072	MT-GLAZE 10K JA 1/10W
R5751	D0GB103JA072	MT-GLAZE 10K JA 1/10W
R5753	D0GB103JA072	MT-GLAZE 10K JA 1/10W
R5900	D0GB101JA069	MT-GLAZE 100 JA 1/10W
R5901	D0GB101JA069	MT-GLAZE 100 JA 1/10W
R5902	D0GB103JA072	MT-GLAZE 10K JA 1/10W
R5903	D0GB821ZA037	MT-GLAZE 820 FA 1/10W
R5908	D0GBR00JA071	MT-GLAZE 0.000 ZA 1/10W

Schematic Location	Part No.	Description
R5910	D0GB103ZA038	MT-GLAZE 10K FA 1/10W
R5950	D0GB103JA072	MT-GLAZE 10K JA 1/10W
R5952	D0GB102JA071	MT-GLAZE 1K JA 1/10W
R5954	D0GB102JA071	MT-GLAZE 1K JA 1/10W
R5956	D0GB103JA072	MT-GLAZE 10K JA 1/10W
R5957	D0GB102JA071	MT-GLAZE 1K JA 1/10W
R6314	D0GBR00JA071	MT-GLAZE 0.000 ZA 1/10W
R6315	D0GBR00JA071	MT-GLAZE 0.000 ZA 1/10W
R6317	D0GBR00JA071	MT-GLAZE 0.000 ZA 1/10W
R6318	D0GBR00JA071	MT-GLAZE 0.000 ZA 1/10W
R6321	D0GBR00JA071	MT-GLAZE 0.000 ZA 1/10W
R6322	D0GBR00JA071	MT-GLAZE 0.000 ZA 1/10W
R6323	D0GBR00JA071	MT-GLAZE 0.000 ZA 1/10W
R6324	D0GBR00JA071	MT-GLAZE 0.000 ZA 1/10W
R6330	D0GZ151JA019	MT-GLAZE 150 JA 1W
R6331	D0GZ151JA019	MT-GLAZE 150 JA 1W
R6332	D0GZ151JA019	MT-GLAZE 150 JA 1W
R6337	D0GB105JA071	MT-GLAZE 1M JA 1/10W
R6339	D0GB103JA072	MT-GLAZE 10K JA 1/10W
R6340	D0GB103JA072	MT-GLAZE 10K JA 1/10W
R6341	D0GBR00JA071	MT-GLAZE 0.000 ZA 1/10W
R6342	D0GB103JA072	MT-GLAZE 10K JA 1/10W
R6344	D0GB103JA072	MT-GLAZE 10K JA 1/10W
R6346	D0GB103JA072	MT-GLAZE 10K JA 1/10W
R6348	D0GB103JA072	MT-GLAZE 10K JA 1/10W
R6350	D0GB103JA072	MT-GLAZE 10K JA 1/10W
R6502	D0GB102JA071	MT-GLAZE 1K JA 1/10W
R6515	D0GB103JA072	MT-GLAZE 10K JA 1/10W
R6518	D0GB103JA072	MT-GLAZE 10K JA 1/10W
R6530	D0GB473JA072	MT-GLAZE 47K JA 1/10W
R6531	D0GB473JA072	MT-GLAZE 47K JA 1/10W
R6532	D0GB102JA071	MT-GLAZE 1K JA 1/10W
R6533	D0GB103JA072	MT-GLAZE 10K JA 1/10W
R6534	D0GB470J0002	MT-GLAZE 47 JA 1/10W
R6535	D0GB470J0002	MT-GLAZE 47 JA 1/10W
R6536	D0GB102JA071	MT-GLAZE 1K JA 1/10W
R6546	D0GBR00JA071	MT-GLAZE 0.000 ZA 1/10W
R6547	D0GBR00JA071	MT-GLAZE 0.000 ZA 1/10W
R6549	D0GB223JA070	MT-GLAZE 22K JA 1/10W
R6550	D0GB470J0002	MT-GLAZE 47 JA 1/10W
R6560	D0GB473JA072	MT-GLAZE 47K JA 1/10W
R6561	D0GB473JA072	MT-GLAZE 47K JA 1/10W
R6562	D0GB102JA071	MT-GLAZE 1K JA 1/10W
R6563	D0GB103JA072	MT-GLAZE 10K JA 1/10W
R6564	D0GB470J0002	MT-GLAZE 47 JA 1/10W
R6565	D0GB470J0002	MT-GLAZE 47 JA 1/10W
R6566	D0GB102JA071	MT-GLAZE 1K JA 1/10W
R6576	D0GBR00JA071	MT-GLAZE 0.000 ZA 1/10W
R6577	D0GBR00JA071	MT-GLAZE 0.000 ZA 1/10W
R6579	D0GBR00JA071	MT-GLAZE 0.000 ZA 1/10W
R6581	D0GB470J0002	MT-GLAZE 47 JA 1/10W
R6582	D0GB223JA070	MT-GLAZE 22K JA 1/10W
R6600	D0GBR00JA071	MT-GLAZE 0.000 ZA 1/10W
R6602	D0GB103JA072	MT-GLAZE 10K JA 1/10W
R6604	D0GB103JA072	MT-GLAZE 10K JA 1/10W
R6606	D0GBR00JA071	MT-GLAZE 0.000 ZA 1/10W

Schematic Location	Part No.	Description		
R6607	D0GBR00JA071	MT-GLAZE	0.000 ZA	1/10W
R6608	RGFR000ZTAANL	MT-GLAZE	0.000 ZA	1/10W
R6700	D0GB223JA070	MT-GLAZE	22K JA	1/10W
R6702	D0GB103JA072	MT-GLAZE	10K JA	1/10W
R6703	D0GB103JA072	MT-GLAZE	10K JA	1/10W
R6704	D0GBR00JA071	MT-GLAZE	0.000 ZA	1/10W
R6705	D0GBR00JA071	MT-GLAZE	0.000 ZA	1/10W
R6706	D0GB471ZA037	MT-GLAZE	470 FA	1/10W
R6707	D0GB100JA072	MT-GLAZE	10 JA	1/10W
R6708	D0GB221Z0002	MT-GLAZE	220 FA 1	/10W
R6709	D0GBR00JA071	MT-GLAZE	0.000 ZA	1/10W
R6720	D0GB103JA072	MT-GLAZE	10K JA	1/10W
R6722	D0GB470J0002	MT-GLAZE	47 JA	1/10W
R6723	D0GB103ZA038	MT-GLAZE	10K FA	1/10W
R6724	D0GB102JA071	MT-GLAZE	1K JA	1/10W
R6725	D0GBR00JA071	MT-GLAZE	0.000 ZA	1/10W
R6726	D0GB472ZA038	MT-GLAZE	4.7K FA	1/10W
R6728	D0GB220JA072	MT-GLAZE	22 JA	1/10W
R6729	D0GB103JA072	MT-GLAZE	10K JA	1/10W
R6730	D0GB103JA072	MT-GLAZE	10K JA	1/10W
R6731	D0GB103JA072	MT-GLAZE	10K JA	1/10W
R6732	D0GB103JA072	MT-GLAZE	10K JA	1/10W
R6733	D0GBR00JA071	MT-GLAZE	0.000 ZA	1/10W
R6734	D0GBR00JA071	MT-GLAZE	0.000 ZA	1/10W
R6740	D0GB103JA072	MT-GLAZE	10K JA	1/10W
R6742	D0GB103JA072	MT-GLAZE	10K JA	1/10W
R6743	D0GB223JA070	MT-GLAZE	22K JA	1/10W
R6744	D0GB104JA068	MT-GLAZE	100K JA	1/10W
R6745	D0GBR00JA071	MT-GLAZE	0.000 ZA	1/10W
R6746	D0GBR00JA071	MT-GLAZE	0.000 ZA	1/10W
R6750	D0GB103JA072	MT-GLAZE	10K JA	1/10W
R6755	D0GB681ZA037	MT-GLAZE	680 FA	1/10W
R6756	D0GB332ZA038	MT-GLAZE	3.3K FA	1/10W
R6757	D0GB103ZA038	MT-GLAZE	10K FA	1/10W
R6758	D0GBR00JA071	MT-GLAZE	0.000 ZA	1/10W
RB5501	D1HY2214A012	R-NETWORK22X4	0.06	3W
RB5951	D1HYR004A012	R-NETWORK0X4	0.063	W

CRYSTALS/OSCILLATORS

X5500	H0J250500115	"OSC,CRYSTAL 25MHZ"

ANALOG-POWER BOARD PARTS LIST

CAPACITORS

C601	CKXAA2E101AHN	CERAMIC	100P K	250V
C605	CGXAV27474ABC	MT-POLYEST	0.47U M	275V
	F0CAF474A030	MT-POLYEST	0.47U K	275V
C606	CGXAV27224ABC	MT-POLYEST	0.22U M	275V
	F0CAF224A030	MT-POLYEST	0.22U K	275V
C608	CKXAA2E471AHN	CERAMIC	470P K	250V
C609	CGXAV27224ABC	MT-POLYEST	0.22U M	275V
	F0CAF224A030	MT-POLYEST	0.22U K	275V
C610	CK3A102KANHAN	CERAMIC	1000P K	1K
	CK3A102KCRDNN	CERAMIC	1000P K	1K
C611	CK3A102KANHAN	CERAMIC	1000P K	1K
	CK3A102KCRDNN	CERAMIC	1000P K	1K
C612	CK3A102KANHAN	CERAMIC	1000P K	1K
	CK3A102KCRDNN	CERAMIC	1000P K	1K
C613	CK3A102KANHAN	CERAMIC	1000P K	1K
	CK3A102KCRDNN	CERAMIC	1000P K	1K
C614	F2A2E4710003	ELECT	470U M	250V
C615	F1H1E474A100	CERAMIC	0.47U K	25V
C616	F1A3D220A007	CERAMIC	22P J	2K
C617	CG2J123KAPAQN	MT-POLYEST	0.012U K	630V
C619	F2A1V4700088	ELECT	47U M	35V
C620	F1H1H104A913	CERAMIC	0.1U K	50V
C621	F1H1H104A913	CERAMIC	0.1U K	50V
C624	F1H1H473A918	CERAMIC	0.047U K	50V
C625	F1H1H104A913	CERAMIC	0.1U K	50V
C626	F2A1H100B765	ELECT	10U M	50V
C627	F1K1H105A138	CERAMIC	1U K	50V
C628	F1H1H6810003	CERAMIC	680P J	50V
C629	F1H1H1010005	CERAMIC	100P J	50V
C630	F0C2J823A129	MT-POLYPRO	0.082U J	630V
C631	CK3D101KANHAN	CERAMIC	100P K	2K
	CK3D101KCRDAN	CERAMIC	100P K	2K
C632	CK3D471KCRDAN	CERAMIC	470P K	2K
	F1B3D471A084	CERAMIC	470P K	2K
C633	CK3D150JTDANG	CERAMIC	15P J	2K
C634	CK3D150JTDANG	CERAMIC	15P J	2K
C635	F1H1E474A100	CERAMIC	0.47U K	25V
C637	CKXAA2E222AHN	CERAMIC	2200P M	250V
C639	F1H1H102A219	CERAMIC	1000P K	50V
C640	F2A1H220B765	ELECT	22U M	50V
C642	F1H1H104A913	CERAMIC	0.1U K	50V
C643	F1H1H102A219	CERAMIC	1000P K	50V
C644	CKXAA2E471AHN	CERAMIC	470P K	250V
C645	CKXAA2E101AHN	CERAMIC	100P K	250V
C703	CE1V471M6QANC	ELECT	470U M	35V
	F2A1V4710082	ELECT	470U M	35V
C704	CE1V471M6QANC	ELECT	470U M	35V
C704	F2A1V4710082	ELECT	470U M	35V
C705	CE1V471M6QANC	ELECT	470U M	35V
	F2A1V4710082	ELECT	470U M	35V
C708	CE1E102M6QANC	ELECT	1000U M	25V
	F2A1E1020116	ELECT	1000U M	25V
C709	F2A1E1020115	ELECT	1000U M	25V
C710	F1H1H104A913	CERAMIC	0.1U K	50V
C711	F1K1E4750002	CERAMIC	4.7U K	25V
C712	CK3A102KANHAN	CERAMIC	1000P K	1K
	F1B3A102A048	CERAMIC	1000P K	1K
C713	CE1C272M6QANN	ELECT	2700U M	16V
	F2A1C272B840	ELECT	2700U M	16V
C714	F2A1E1020115	ELECT	1000U M	25V
C715	F1H1H104A913	CERAMIC	0.1U K	50V
C717	F2A1H220B765	ELECT	22U M	50V
C718	F1K1H105A138	CERAMIC	1U K	50V
C719	F1K1H105A138	CERAMIC	1U K	50V
C720	F1H1H104A913	CERAMIC	0.1U K	50V
C721	F1H1H104A913	CERAMIC	0.1U K	50V

Schematic Location	Part No.	Description		
C722	F1H1H104A913	CERAMIC	0.1U K	50V
C723	F1H1H104A913	CERAMIC	0.1U K	50V
C724	F1H1H104A913	CERAMIC	0.1U K	50V
C725	F1H1A105A036	CERAMIC	1U K	10V
C726	F1H1H104A913	CERAMIC	0.1U K	50V
C727	F1H1H104A913	CERAMIC	0.1U K	50V
C729	F1H1H104A913	CERAMIC	0.1U K	50V
C730	F1H1H104A913	CERAMIC	0.1U K	50V
C732	F1H1E474A100	CERAMIC	0.47U K	25V
C733	F1H1H104A913	CERAMIC	0.1U K	50V
C751	F1H1H103A219	CERAMIC	0.01U K	50V
C1020	F2A1V4700087	ELECT	47U M	35V
C1600	F1J0J106A004	CERAMIC	10U K	6.3V
	F1J0J106A020	CERAMIC	10U K	6.3V
C1602	F2A0J2210063	ELECT	220U M	6.3V
C1603	F1H1H104A220	CERAMIC	0.1U Z	50V
C1604	F2A1V4710080	ELECT	470U M	35V
C1610	F1H1H473A918	CERAMIC	0.047U K	50V
C1612	F1H1H104A220	CERAMIC	0.1U Z	50V
C1613	F1H1H104A220	CERAMIC	0.1U Z	50V
C1661	F2A1C1020123	ELECT	1000U M	16V
C1666	F2A1C2220103	ELECT	2200U M	16V
C1704	F1H1H103A219	CERAMIC	0.01U K	50V
C1790	F1H1A105A036	CERAMIC	1U K	10V
C1800	F1H1H104A220	CERAMIC	0.1U Z	50V
C1801	F1J0J106A004	CERAMIC	10U K	6.3V
	F1J0J106A020	CERAMIC	10U K	6.3V
C1802	F1H1H103A219	CERAMIC	0.01U K	50V
C1803	F1H1H103A219	CERAMIC	0.01U K	50V
C2405	F1H1H104A220	CERAMIC	0.1U Z	50V
C2410	F1H1H104A220	CERAMIC	0.1U Z	50V
C2411	F1H1H104A220	CERAMIC	0.1U Z	50V
C3900	F1H1H104A220	CERAMIC	0.1U Z	50V
C3902	F1H1H104A220	CERAMIC	0.1U Z	50V
C3904	F1J0J106A004	CERAMIC	10U K	6.3V
C3904	F1J0J106A020	CERAMIC	10U K	6.3V
C6100	J0JCC0000371	"INDUCTOR, 120 OHM"		
C6101	J0JCC0000371	"INDUCTOR, 120 OHM"		
C6102	F1H1H102A219	CERAMIC	1000P K	50V
C6104	F1H1H2700008	CERAMIC	27P J	50V
C6105	F1H1H2700008	CERAMIC	27P J	50V
C6106	F1H1H104A220	CERAMIC	0.1U Z	50V
C6107	F2A0J1020089	ELECT	1000U M	6.3V
C6109	CEXLB0J222VDJ	ELECT	2200U M	6.3V
C6113	F1H1H2200008	CERAMIC	22P J	50V
C6114	F1H1H2200008	CERAMIC	22P J	50V
C6111	F1H1H102A219	CERAMIC	1000P K	50V
C6110	F1H1H104A220	CERAMIC	0.1U Z	50V

DIODES

D601	B0EBLR000025	DIODE D10XB60 7101
D602	B0HAGV000005	DIODE EG01C
	B0HAGV000028	DIODE EG01C
D603	B0HADP000007	DIODE EU1-V1
	B0HAGP000019	DIODE EU1

Schematic Location	Part No.	Description
D605	B3PAA0000612	PHOTO COUPLE PC123X5YFZ0F
	DCBPC-817MC-N	PHOTO COUPLE BPC-817MC
D606	B3PAA0000612	PHOTO COUPLE PC123X5YFZ0F
	DCBPC-817MC-N	PHOTO COUPLE BPC-817MC
D607	B3PAA0000612	PHOTO COUPLE PC123X5YFZ0F
	DCBPC-817MC-N	PHOTO COUPLE BPC-817MC
D608	B3PAA0000612	PHOTO COUPLE PC123X5YFZ0F
	DCBPC-817MC-N	PHOTO COUPLE BPC-817MC
D609	B0ACCK000005	DIODE 1SS355-TE-17
	B0ACCK000019	DIODE 1SS355
D609	B0ACDJ000007	DIODE 1SS352-(TPH3)
D610	B0BC01700015	ZENER DIODE UDZS18B-TE-17
	B0BC018A0383	ZENER DIODE MM3Z 18B
	DZ02DZ18Y—-G	ZENER DIODE 02DZ18Y(TPH3
D611	B0AAMR000059	DIODE HER106
	DDAG01A———-N	DIODE AG01A
D612	B0ACCK000005	DIODE 1SS355-TE-17
	B0ACCK000019	DIODE 1SS355
	B0ACDJ000007	DIODE 1SS352-(TPH3)
D613	B0ACCK000005	DIODE 1SS355-TE-17
	B0ACCK000019	DIODE 1SS355
	B0ACDJ000007	DIODE 1SS352-(TPH3)
D614	B0ACCK000005	DIODE 1SS355-TE-17
	B0ACCK000019	DIODE 1SS355
	B0ACDJ000007	DIODE 1SS352-(TPH3)
D617	B0ACCK000005	DIODE 1SS355-TE-17
	B0ACCK000019	DIODE 1SS355
	B0ACDJ000007	DIODE 1SS352-(TPH3)
D618	B0ACCK000005	DIODE 1SS355-TE-17
	B0ACCK000019	DIODE 1SS355
	B0ACDJ000007	DIODE 1SS352-(TPH3)
D619	B0ACCK000005	DIODE 1SS355-TE-17
	B0ACCK000019	DIODE 1SS355
	B0ACDJ000007	DIODE 1SS352-(TPH3)
D620	B0BC01700015	ZENER DIODE UDZS18B-TE-17
	B0BC018A0383	ZENER DIODE MM3Z 18B
	DZ02DZ18Y—-G	ZENER DIODE 02DZ18Y(TPH3
D621	B0ACCK000005	DIODE 1SS355-TE-17
	B0ACCK000019	DIODE 1SS355
	B0ACDJ000007	DIODE 1SS352-(TPH3)
D622	B0ACCK000005	DIODE 1SS355-TE-17
	B0ACCK000019	DIODE 1SS355
	B0ACDJ000007	DIODE 1SS352-(TPH3)
D623	B0BA02600034	ZENER DIODE MTZJ27B T-72
	DZXLBXA27B—B	ZENER DIODE ZJ27B
D624	B0ACCK000005	DIODE 1SS355-TE-17
	B0ACCK000019	DIODE 1SS355
	B0ACDJ000007	DIODE 1SS352-(TPH3)
D625	B0ACCK000005	DIODE 1SS355-TE-17
	B0ACCK000019	DIODE 1SS355
	B0ACDJ000007	DIODE 1SS352-(TPH3)
D626	B0ACCK000005	DIODE 1SS355-TE-17
	B0ACCK000019	DIODE 1SS355
	B0ACDJ000007	DIODE 1SS352-(TPH3)
D627	B0BA01200093	ZENER DIODE MTZJ13B

Schematic Location	Part No.	Description
	B0BA01300055	ZENER DIODE MTZJ13B-52
D628	B0JBSL000051	DIODE STPS20LCD100C
	B0JBSL000053	DIODE SBR200-10JS
D629	B0JBRG000005	DIODE SBT80-06JS
	B0JBRG000006	DIODE STPS10LCD60C
D630	B0JBRG000005	DIODE SBT80-06JS
	B0JBRG000006	DIODE STPS10LCD60C
D631	B0BC01700015	ZENER DIODE UDZS18B-TE-17
	B0BC018A0383	ZENER DIODE MM3Z 18B
	DZ02DZ18Y—-G	ZENER DIODE 02DZ18Y(TPH3
D632	B0BC01700015	ZENER DIODE UDZS18B-TE-17
	B0BC018A0383	ZENER DIODE MM3Z 18B
	DZ02DZ18Y—-G	ZENER DIODE 02DZ18Y(TPH3
D633	B0BC6R100010	ZD UDZS-TE-176.2B
	B0BC6R100025	ZENER DIODE 02DZ6.2Y(TPH3
	B0BC6R2A0384	ZENER DIODE MM3Z6V2B
D636	B0ACCK000005	DIODE 1SS355-TE-17
	B0ACCK000019	DIODE 1SS355
	B0ACDJ000007	DIODE 1SS352-(TPH3)
D637	B0ACCK000005	DIODE 1SS355-TE-17
	B0ACCK000019	DIODE 1SS355
	B0ACDJ000007	DIODE 1SS352-(TPH3)
D640	B0BC01700015	ZENER DIODE UDZS18B-TE-17
	B0BC018A0383	ZENER DIODE MM3Z 18B
	DZ02DZ18Y—-G	ZENER DIODE 02DZ18Y(TPH3
D751	B0HADP000007	DIODE EU1-V1
	B0HAGP000019	DIODE EU1
D752	B0HADP000007	DIODE EU1-V1
	B0HAGP000019	DIODE EU1
D753	B0BA03000024	ZENER DIODE MTZJ30B T-72
	DZXLBXA30B—B	ZENER DIODE ZJ30B
D1613	B0ACCK000005	DIODE 1SS355-TE-17
	B0ACCK000019	DIODE 1SS355
	B0ACDJ000007	DIODE 1SS352-(TPH3)
D1661	B0JCND000033	DIODE CRS20I30A
D1665	B0JCND000033	DIODE CRS20I30A
D1668	B0ACCK000005	DIODE 1SS355-TE-17
	B0ACCK000019	DIODE 1SS355
	B0ACDJ000007	DIODE 1SS352-(TPH3)
D1750	B0ACCK000005	DIODE 1SS355-TE-17
	B0ACCK000019	DIODE 1SS355
	B0ACDJ000007	DIODE 1SS352-(TPH3)
D2405	B0JCGD000002	DIODE RB551V-30-TE-17
	B0JCGD000014	DIODE DSF05S30U
D3900	B3AGA0000063	LED SPR-39MVWF
D3904	B0BC6R100010	ZD UDZS-TE-176.2B
	B0BC6R100025	ZENER DIODE 02DZ6.2Y(TPH3
	B0BC6R2A0384	ZENER DIODE MM3Z6V2B

INTEGRATED CIRCUITS

IC601	C5HABYY00013	IC STR-A6051M
IC602	C0DBBYY00037	IC SSC9512S
IC603	QXXAVC950—-P	IC LM393D
IC604	C0DAAYY00072	IC TL431ATA
IC605	C0DAAYY00072	IC TL431ATA

Schematic Location	Part No.	Description
IC1600	C0CBAYG00009	IC LM1117S-ADJ
IC2401	C0JBAA000570	“IC TC7SH08F,LJ(T”
IC2402	C0JBAA000570	“IC TC7SH08F,LJ(T”

COILS

L601	1LB4F35B0350N	LINE FILTER
	G0B202Y00002	LINE FILTER
L602	1LB4F35B0380N	LINE FILTER
	G0B104J00001	LINE FILTER
L605	G0C3R0Z00001	“INDUCTOR ,3UH”
	G0C3R0Z00002	“INDUCTOR ,3UH”
L606	G0C3R0Z00001	“INDUCTOR ,3UH”
	G0C3R0Z00002	“INDUCTOR ,3UH”
L607	G0C1R0Z00001	“INDUCTOR,1.0UH”
	G0C1R0Z00002	“INDUCTOR,1.0UH”
L620	RGFR000ZTAANL	MT-GLAZE 0.000 ZA 1/10W
L621	RGFR000ZTAANL	MT-GLAZE 0.000 ZA 1/10W
L622	RGFR000ZTAANL	MT-GLAZE 0.000 ZA 1/10W
L1640	RGFR000ZTAANL	MT-GLAZE 0.000 ZA 1/10W
L1641	RGFR000ZTAANL	MT-GLAZE 0.000 ZA 1/10W
L1642	RGFR000ZTAANL	MT-GLAZE 0.000 ZA 1/10W
L1643	RGFR000ZTAANL	MT-GLAZE 0.000 ZA 1/10W
L1702	D0GBR00JA071	MT-GLAZE 0.000 ZA 1/10W
L1703	J0JYC0000381	“INDUCTOR , 220 OHM”
L1704	J0JYC0000381	“INDUCTOR , 220 OHM”
L1705	RGFR000ZTAANL	MT-GLAZE 0.000 ZA 1/10W
L1706	RGFR000ZTAANL	MT-GLAZE 0.000 ZA 1/10W
L1707	J0JYC0000381	“INDUCTOR , 220 OHM”
L1708	J0JYC0000381	“INDUCTOR , 220 OHM”
L1711	RGFR000ZTAANL	MT-GLAZE 0.000 ZA 1/10W
L1712	RGFR000ZTAANL	MT-GLAZE 0.000 ZA 1/10W
L1716	D0GBR00JA071	MT-GLAZE 0.000 ZA 1/10W
L1791	D0GBR00JA071	MT-GLAZE 0.000 ZA 1/10W
L1801	D0GBR00JA071	MT-GLAZE 0.000 ZA 1/10W
L1902	RGFR000ZTAANL	MT-GLAZE 0.000 ZA 1/10W
L6102	RGFR000ZTAANL	MT-GLAZE 0.000 ZA 1/10W
L6103	J0JCC0000371	“INDUCTOR , 120 OHM”
L6104	J0JCC0000371	“INDUCTOR , 120 OHM”
L6105	J0JYC0000382	“INDUCTOR ,600 OHM”

TRANSISTORS

Q601	B1CERM000036	TR 2SK2508
	B1CERM000035	TR FQPF16N25C
Q602	B1CERM000036	TR 2SK2508
	B1CERM000035	TR FQPF16N25C
Q603	B1ADGF000013	TR 50A02CH-TL-E
Q604	B1ABDF000012	TR 2SC3928A1S
	B1ABDF000013	TR 2SC3928A1R
	TXXLBB006—-P	TR MMBTSC3928R
Q605	TXXLBB014—-P	TR 2N7002
Q606	B1ABDF000012	TR 2SC3928A1S
	B1ABDF000013	TR 2SC3928A1R
	TXXLBB006—-P	TR MMBTSC3928R
Q607	B1ABDF000012	TR 2SC3928A1S
	B1ABDF000013	TR 2SC3928A1R
	TXXLBB006—-P	TR MMBTSC3928R

Schematic Location	Part No.	Description
Q608	B1ABDF000012	TR 2SC3928A1S
	B1ABDF000013	TR 2SC3928A1R
	TXXLBB006—-P	TR MMBTSC3928R
Q609	B1ADCF000194	TR ISA1235AC1F
	B1ADCF000201	TR ISA1235AC1E
	TXXLBB005—-P	TR MMBTSA1235F
Q610	B1ABDF000012	TR 2SC3928A1S
	B1ABDF000013	TR 2SC3928A1R
	TXXLBB006—-P	TR MMBTSC3928R
Q611	B1ADCF000194	TR ISA1235AC1F
	B1ADCF000201	TR ISA1235AC1E
	TXXLBB005—-P	TR MMBTSA1235F
Q1610	B1ABDF000012	TR 2SC3928A1S
	B1ABDF000013	TR 2SC3928A1R
	TXXLBB006—-P	TR MMBTSC3928R
Q1611	TCPH3338-T-EP	TR CPH3338-T-TL-E
Q1750	B1ABDF000012	TR 2SC3928A1S
	B1ABDF000013	TR 2SC3928A1R
	TXXLBB006—-P	TR MMBTSC3928R
Q1751	B1ABDF000012	TR 2SC3928A1S
	B1ABDF000013	TR 2SC3928A1R
	TXXLBB006—-P	TR MMBTSC3928R
Q1790	B1ADCF000194	TR ISA1235AC1F
	B1ADCF000201	TR ISA1235AC1E
	TXXLBB005—-P	TR MMBTSA1235F
Q1810	B1ABDF000012	TR 2SC3928A1S
	B1ABDF000013	TR 2SC3928A1R
	TXXLBB006—-P	TR MMBTSC3928R
Q1813	B1ABDF000012	TR 2SC3928A1S
	B1ABDF000013	TR 2SC3928A1R
	TXXLBB006—-P	TR MMBTSC3928R
Q3900	B1ABDF000012	TR 2SC3928A1S
	B1ABDF000013	TR 2SC3928A1R
	TXXLBB006—-P	TR MMBTSC3928R
Q3901	B3L000000032	IC GA1A2S100LY
Q3902	B1ABDF000012	TR 2SC3928A1S
	B1ABDF000013	TR 2SC3928A1R
	TXXLBB006—-P	TR MMBTSC3928R

RESISTORS

R601	DHXAVB034—-N	THERMISTOR NTPAD5R1LDUB0			
R603	RXXAVA685JABN	RESISTER	6.8M	JA	1/2W
R605	D0GB100JA072	MT-GLAZE	10	JA	1/10W
R606	D0C11R0JA070	OXIDE-MT	1	JA	1W
R607	D0GZ105JA023	MT-GLAZE	1M	JA	1/4W
R608	D0GZ105JA023	MT-GLAZE	1M	JA	1/4W
R609	D0GB563ZA038	MT-GLAZE	56K	FA	1/10W
R610	D0GB124JA068	MT-GLAZE	120K	JA	1/10W
R611	D0C1R68JA070	OXIDE-MT	0.68	JA	1W
R612	D0GZ150JA018	MT-GLAZE	15	JA	1/4W
R613	D0C2334JA120	OXIDE-MT	330K	JA	2W
R614	D0GZ560JA018	MT-GLAZE	56	JA	1/4W
R615	D0GB103JA072	MT-GLAZE	10K	JA	1/10W
R616	D0GB562JA072	MT-GLAZE	5.6K	JA	1/10W
R617	D0GB103JA072	MT-GLAZE	10K	JA	1/10W
R618	D0GB105ZA038	MT-GLAZE	1M	FA	1/10W
R619	D0GB105ZA038	MT-GLAZE	1M	FA	1/10W
R620	D0GB393ZA038	MT-GLAZE	39K	FA	1/10W
R621	D0GB223ZA038	MT-GLAZE	22K	FA	1/10W
R622	D0GB393ZA038	MT-GLAZE	39K	FA	1/10W
R623	D0GZ105JA023	MT-GLAZE	1M	JA	1/4W
R624	D0GZ105JA023	MT-GLAZE	1M	JA	1/4W
R625	D0GZ105JA023	MT-GLAZE	1M	JA	1/4W
R626	D0GB224JA068	MT-GLAZE	220K	JA	1/10W
R627	D0GB103JA072	MT-GLAZE	10K	JA	1/10W
R628	D0C2R15JA119	OXIDE-MT	0.15	JA	2W
R629	D0GZ105JA023	MT-GLAZE	1M	JA	1/4W
R630	D0GZ105JA023	MT-GLAZE	1M	JA	1/4W
R631	D0GB333ZA038	MT-GLAZE	33K	FA	1/10W
R634	D0GB471JA069	MT-GLAZE	470	JA	1/10W
R635	D0GB181ZA037	MT-GLAZE	180	FA	1/10W
R636	D0GZ220JA018	MT-GLAZE	22	JA	1/4W
R637	D0GB104JA068	MT-GLAZE	100K	JA	1/10W
R638	D0GZ150JA018	MT-GLAZE	15	JA	1/4W
R639	D0GZ100JA018	MT-GLAZE	10	JA	1/4W
R640	D0GB104JA068	MT-GLAZE	100K	JA	1/10W
R641	D0GZ150JA018	MT-GLAZE	15	JA	1/4W
R642	D0GZ100JA018	MT-GLAZE	10	JA	1/4W
R644	D0GB473JA072	MT-GLAZE	47K	JA	1/10W
R646	D0GB561JA069	MT-GLAZE	560	JA	1/10W
R648	RXXAVA105JABN	RESISTOR	1.0M	JA	1/2W
R649	D0GB303JA072	MT-GLAZE	30K	JA	1/10W
R660	D0GZ183JA018	MT-GLAZE	18K	JA	1/4W
R661	D0GZ330J0001	MT-GLAZE	33	JA	1/4W
R662	D0GZ330J0001	MT-GLAZE	33	JA	1/4W
R663	D0GZ100JA018	MT-GLAZE	10	JA	1/4W
R700	D0GB221Z0002	MT-GLAZE	220	FA	1 /10W
R702	D0GB822ZA038	MT-GLAZE	8.2K	FA	1/10W
R703	D0GZ472JA018	MT-GLAZE	4.7K	JA	1/4W
R705	D0GZ103JA018	MT-GLAZE	10K	JA	1/4W
R706	D0GB222JA072	MT-GLAZE	2.2K	JA	1/10W
R707	D0GB103ZA038	MT-GLAZE	10K	FA	1/10W
R708	D0GB562ZA038	MT-GLAZE	5.6K	FA	1/10W
R709	D0GB681ZA037	MT-GLAZE	680	FA	1/10W
R710	D0GB102ZA038	MT-GLAZE	1K	FA	1/10W
R711	D1BF4700A068	MT-GLAZE	470	JA	1/4W
R713	D0GB222JA072	MT-GLAZE	2.2K	JA	1/10W
R714	D0GB103ZA038	MT-GLAZE	10K	FA	1/10W
R715	D0GB391ZA037	MT-GLAZE	390	FA	1/10W
R716	D0GB222JA072	MT-GLAZE	2.2K	JA	1/10W
R717	D0GB103ZA038	MT-GLAZE	10K	FA	1/10W
R718	D0GB223ZA038	MT-GLAZE	22K	FA	1/10W
R719	D0GB102JA071	MT-GLAZE	1K	JA	1/10W
R720	D0GB122ZA038	MT-GLAZE	1.2K	FA	1/10W
R721	D0GB102JA071	MT-GLAZE	1K	JA	1/10W
R722	D1BB4703A106	MT-GLAZE	470K	FA	1/10W
R723	D0GB224ZA041	MT-GLAZE	220K	FA	1/10W
R724	D0GB473JA072	MT-GLAZE	47K	JA	1/10W
R725	D0GB102JA071	MT-GLAZE	1K	JA	1/10W
R726	D0GB332JA072	MT-GLAZE	3.3K	JA	1/10W
R727	D0GB104JA068	MT-GLAZE	100K	JA	1/10W

Schematic Location	Part No.	Description		
R728	D0GB122ZA038	MT-GLAZE	1.2K FA	1/10W
R729	D0GB102JA071	MT-GLAZE	1K JA	1/10W
R730	D0GB223JA070	MT-GLAZE	22K JA	1/10W
R731	D0GB471JA069	MT-GLAZE	470 JA	1/10W
R732	D0GB103JA072	MT-GLAZE	10K JA	1/10W
R733	D0GB472JA072	MT-GLAZE	4.7K JA	1/10W
R734	D0GB223JA070	MT-GLAZE	22K JA	1/10W
R735	D0GB102JA071	MT-GLAZE	1K JA	1/10W
R736	D0GB102JA071	MT-GLAZE	1K JA	1/10W
R737	D0GB223JA070	MT-GLAZE	22K JA	1/10W
R738	D0GB102JA071	MT-GLAZE	1K JA	1/10W
R739	D0GB472JA072	MT-GLAZE	4.7K JA	1/10W
R740	D0GB223JA070	MT-GLAZE	22K JA	1/10W
R741	D0GB103JA072	MT-GLAZE	10K JA	1/10W
R742	D0GB102JA071	MT-GLAZE	1K JA	1/10W
R743	D0GB102JA071	MT-GLAZE	1K JA	1/10W
R744	D0GB102JA071	MT-GLAZE	1K JA	1/10W
R745	D0GB102JA071	MT-GLAZE	1K JA	1/10W
R746	D0GB102JA071	MT-GLAZE	1K JA	1/10W
R747	D0GB103JA072	MT-GLAZE	10K JA	1/10W
R749	RN1R010FTDANL	MT-FILM	0.01 FA	1W
R750	RN1R010FTDANL	MT-FILM	0.01 FA	1W
R751	D0GZ152JA018	MT-GLAZE	1.5K JA	1/4W
R753	D0GZ152JA018	MT-GLAZE	1.5K JA	1/4W
R765	D0GZ472JA018	MT-GLAZE	4.7K JA	1/4W
R766	D0GB224JA068	MT-GLAZE	220K JA	1/10W
R767	D0GZ222JA018	MT-GLAZE	2.2K JA	1/4W
R768	D0GZ222JA018	MT-GLAZE	2.2K JA	1/4W
R769	D0GZ222JA018	MT-GLAZE	2.2K JA	1/4W
R772	D0GZ682JA018	MT-GLAZE	6.8K JA	1/4W
R773	D0GZ682JA018	MT-GLAZE	6.8K JA	1/4W
R774	D0GZ682JA018	MT-GLAZE	6.8K JA	1/4W
R775	D0GZ682JA018	MT-GLAZE	6.8K JA	1/4W
R776	D0GZ682JA018	MT-GLAZE	6.8K JA	1/4W
R1004	D0GBR00JA071	MT-GLAZE	0.000 ZA	1/10W
R1009	D0GBR00JA071	MT-GLAZE	0.000 ZA	1/10W
R1020	D0GBR00JA071	MT-GLAZE	0.000 ZA	1/10W
R1022	D0GBR00JA071	MT-GLAZE	0.000 ZA	1/10W
R1023	D0GB820JA072	MT-GLAZE	82 JA	1/10W
R1024	D0GB750JA072	MT-GLAZE	75 JA	1/10W
R1028	D0GBR00JA071	MT-GLAZE	0.000 ZA	1/10W
R1033	D0GBR00JA071	MT-GLAZE	0.000 ZA	1/10W
R1038	D0GBR00JA071	MT-GLAZE	0.000 ZA	1/10W
R1043	D0GBR00JA071	MT-GLAZE	0.000 ZA	1/10W
R1600	D0GB121ZA038	MT-GLAZE	120 FA	1/10W
R1601	D0GB120JA072	MT-GLAZE	12 JA	1/10W
R1602	D0GB221Z0002	MT-GLAZE	220 FA 1	/10W
R1610	D0GB103JA072	MT-GLAZE	10K JA	1/10W
R1611	D0GBR00JA071	MT-GLAZE	0.000 ZA	1/10W
R1612	D0GB105JA071	MT-GLAZE	1M JA	1/10W
R1616	D0GB103JA072	MT-GLAZE	10K JA	1/10W
R1661	D0GB2R7JA068	MT-GLAZE	2.7 JA	1/10W
R1664	D0GB2R7JA068	MT-GLAZE	2.7 JA	1/10W
R1667	D0GB103JA072	MT-GLAZE	10K JA	1/10W
R1668	D0GB472JA072	MT-GLAZE	4.7K JA	1/10W
R1700	D0GBR00JA071	MT-GLAZE	0.000 ZA	1/10W

Schematic Location	Part No.	Description		
R1701	D0GBR00JA071	MT-GLAZE	0.000 ZA	1/10W
R1702	D0GBR00JA071	MT-GLAZE	0.000 ZA	1/10W
R1707	D0GBR00JA071	MT-GLAZE	0.000 ZA	1/10W
R1708	D0GB182JA072	MT-GLAZE	1.8K JA	1/10W
R1750	D0GBR00JA071	MT-GLAZE	0.000 ZA	1/10W
R1751	D0GB182JA072	MT-GLAZE	1.8K JA	1/10W
R1752	D0GB103JA072	MT-GLAZE	10K JA	1/10W
R1753	D0GB103JA072	MT-GLAZE	10K JA	1/10W
R1754	D0GB332JA072	MT-GLAZE	3.3K JA	1/10W
R1776	D0GB103JA072	MT-GLAZE	10K JA	1/10W
R1790	D0GB103JA072	MT-GLAZE	10K JA	1/10W
R1791	D0GBR00JA071	MT-GLAZE	0.000 ZA	1/10W
R1793	D0GB473JA072	MT-GLAZE	47K JA	1/10W
R1796	D0GB471JA069	MT-GLAZE	470 JA	1/10W
R1797	D0GBR00JA071	MT-GLAZE	0.000 ZA	1/10W
R1800	D0GBR00JA071	MT-GLAZE	0.000 ZA	1/10W
R1801	D0GB102JA071	MT-GLAZE	1K JA	1/10W
R1802	D0GB102JA071	MT-GLAZE	1K JA	1/10W
R1803	D0GBR00JA071	MT-GLAZE	0.000 ZA	1/10W
R1804	D0GB222JA072	MT-GLAZE	2.2K JA	1/10W
R1810	D0GB331JA069	MT-GLAZE	330 JA	1/10W
R1811	D0GB103JA072	MT-GLAZE	10K JA	1/10W
R1812	D0GB103JA072	MT-GLAZE	10K JA	1/10W
R1813	D0GB331JA069	MT-GLAZE	330 JA	1/10W
R1843	D0GBR00JA071	MT-GLAZE	0.000 ZA	1/10W
R1901	D0GB472ZA038	MT-GLAZE	4.7K FA	1/10W
R1902	D0GB682JA072	MT-GLAZE	6.8K JA	1/10W
R1903	D0GB682JA072	MT-GLAZE	6.8K JA	1/10W
R1904	D0GB392JA072	MT-GLAZE	3.9K JA	1/10W
R1905	D0GB562ZA038	MT-GLAZE	5.6K FA	1/10W
R1906	D0GB103JA072	MT-GLAZE	10K JA	1/10W
R1907	D0GB102JA071	MT-GLAZE	1K JA	1/10W
R1908	D0GB682JA072	MT-GLAZE	6.8K JA	1/10W
R1909	D0GB123JA072	MT-GLAZE	12K JA	1/10W
R1910	D0GB103ZA038	MT-GLAZE	10K FA	1/10W
R1911	D0GB102JA071	MT-GLAZE	1K JA	1/10W
R2400	D0GBR00JA071	MT-GLAZE	0.000 ZA	1/10W
R2401	D0GBR00JA071	MT-GLAZE	0.000 ZA	1/10W
R2405	D0GB101JA069	MT-GLAZE	100 JA	1/10W
R2407	D0GB101JA069	MT-GLAZE	100 JA	1/10W
R2408	D0GB101JA069	MT-GLAZE	100 JA	1/10W
R2409	D0GB101JA069	MT-GLAZE	100 JA	1/10W
R2410	D0GB103JA072	MT-GLAZE	10K JA	1/10W
R2411	D0GB103JA072	MT-GLAZE	10K JA	1/10W
R2412	D0GB103JA072	MT-GLAZE	10K JA	1/10W
R2413	D0GB103JA072	MT-GLAZE	10K JA	1/10W
R2414	D0GB101JA069	MT-GLAZE	100 JA	1/10W
R2415	D0GB101JA069	MT-GLAZE	100 JA	1/10W
R2416	D0GB101JA069	MT-GLAZE	100 JA	1/10W
R2417	D0GB101JA069	MT-GLAZE	100 JA	1/10W
R3900	D0GB224JA068	MT-GLAZE	220K JA	1/10W
R3902	D0GBR00JA071	MT-GLAZE	0.000 ZA	1/10W
R3903	D0GB101JA069	MT-GLAZE	100 JA	1/10W
R3904	D0GB223JA070	MT-GLAZE	22K JA	1/10W
R3905	D0GB102JA071	MT-GLAZE	1K JA	1/10W
R3906	D0GB331JA069	MT-GLAZE	330 JA	1/10W

Schematic Location	Part No.	Description
R3907	D0GB472JA072	MT-GLAZE 4.7K JA 1/10W
R3908	D0GB221JA069	MT-GLAZE 220 JA 1/10W
R3909	D0GB221JA069	MT-GLAZE 220 JA 1/10W
R3912	D0GBR00JA071	MT-GLAZE 0.000 ZA 1/10W
R3913	D0GB103JA072	MT-GLAZE 10K JA 1/10W
R3914	D0GB221JA069	MT-GLAZE 220 JA 1/10W
R6100	D0GB101JA069	MT-GLAZE 100 JA 1/10W
R6101	D0GB101JA069	MT-GLAZE 100 JA 1/10W

SWITCHES

SW1901	1AV4S10B0722J	“SWITCH,PUSH”
SW1902	1AV4S10B0722J	“SWITCH,PUSH”
SW1903	1AV4S10B0722J	“SWITCH,PUSH”
SW1904	1AV4S10B0722J	“SWITCH,PUSH”
SW1905	1AV4S10B0722J	“SWITCH,PUSH”
SW1906	1AV4S10B0722J	“SWITCH,PUSH”
SW1907	1AV4S10B0722J	“SWITCH,PUSH”

Schematic Location	Part No.	Description

MISCELLANEOUS

⚠	A100	1AA0B10N302A0	“ASSY,PWB,DIGITAL_Z-N8LJ”
⚠	A200	1AA0B10N306A0	“ASSY,PWB,ANALOG-COMP-N8MK”
⚠	A201	1AA0B10N306AA	“ASSY,PWB,PWR_ANALOG-N8MK”
⚠	A202	1AA0B10N3060B	“ASSY,PWB,KEY_SW-N8LK”
⚠	A203	1AA0B10N3060C	“ASSY,PWB,RC_LED-N8LK”
⚠	A3900	B3RAB0000094	“UNIT,REMOCON,RECEIVER”
⚠	A6100	1AV4F1BAZ0090	“TUNER,U/V”
⚠	A6100	1AV4F1BAZ0091	“TUNER,U/V”
	EL901	L5EDDYY00277	LCD(M260TWR1 R1)
	EL902	1AV4U20C46200	“UNIT,INVERTER”
	F601	K5G402Y00011	FUSE 250V 4A
	K1005	K2HA5YYB0002	“JACK,RCA-5”
	K16A	K1KY40BA0348	“SOCKET,PWB 40P”
	K16B	K1KY32BA0348	“SOCKET,PWB 32P”
	K2400	K1FY115B0027	“SOCKET,D-SUB 15P”
	K2401	K2HC1YYB0066	“JACK,PHONE D3.6”
	K603	K1KA12AA0194	“PLUG,12P”
	K6AC	K1KA02A00720	“PLUG,HOUSING 2P”
	K8CTRA	K1KA04AA0193	“PLUG,4P”
	K19CTRA	K1KA04BA0061	“PLUG,4P”
	K8FRA	K1KA06A00534	“PLUG,6P”
	K39K	K1KA06BA0055	“PLUG,6P”
	SP901	L0AA12C00016	“SPEAKER,8”
	SP902	L0AA12C00016	“SPEAKER,8”
	T601	1LB4L51B1820N	“TRANS,POWER,PULSE”
	T602	1LB4L51B1830N	“TRANS,POWER,PULSE”
	VA601	D4EAY3850002	VARISTOR S14K385E2K1
⚠	W901	K2CB2YY00045	CORD,POWER-2.15MK-VTR-02
⚠		K2CB2YY00048	CORD,POWER-2.15MK-VTR-02
⚠	WK5LV-PN	1AA4W30B66500	“LVDS CABLE,40P-31P”

SERVICE PARTS

"For Digital board replacement please get the correct assembly name/part number"
Service Name: ASSY,PWB,DIGITAL_Z-N8LJ
Japan BOM part number: 1AA0B10N302A0

"For Analog-power board replacement please get the correct assembly name/part number"
Service Name: ASSY,PWB,PWR_ANALOG-N8MK (Power and analog blocks are in the same PWB).
Japan BOM part number: 1AA0B10N306AA
NOTE: This sub assembly (A201) is from ASSY,PWB,ANALOG-COMP-N8MK (A200)

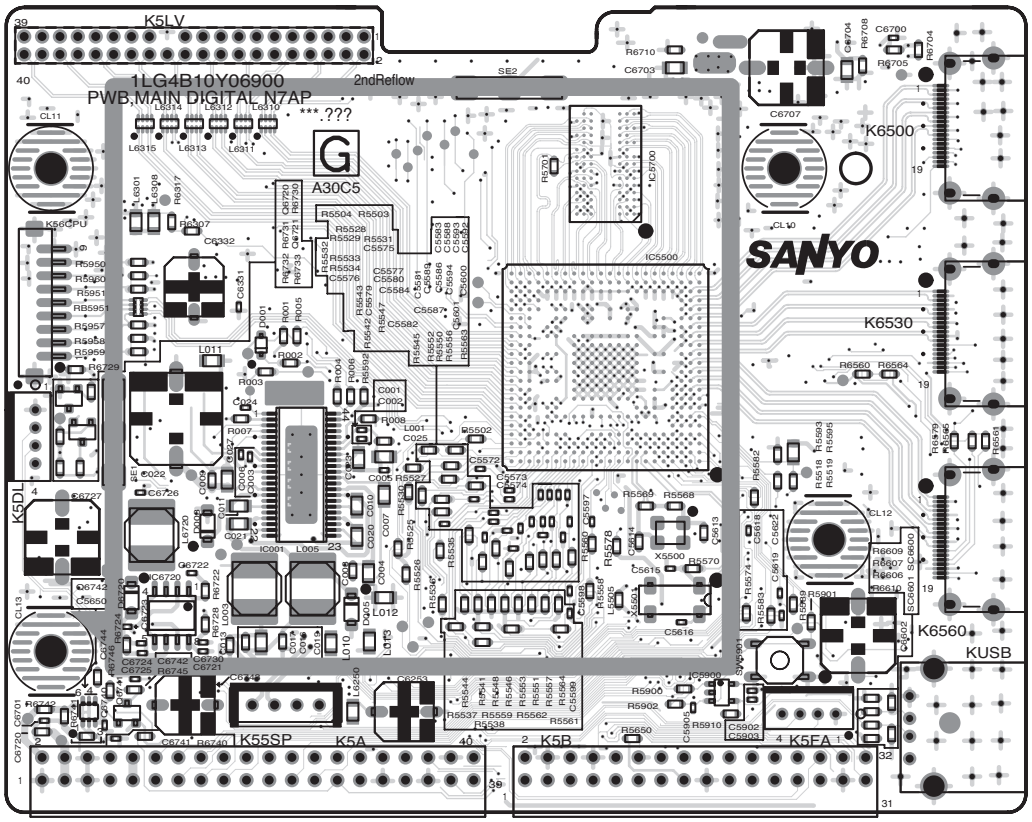
"For KEW_SW unit replacement please get the correct assembly name/part number"
Service Name: ASSY,PWB,KEY_SW N8LK
Japan BOM part number: 1AA0B10N3060B
NOTE: This sub assembly (A202) is from ASSY,PWB,ANALOG-COMP-N8MK (A200)

"For RC_LED unit replacement please get the correct assembly name/part number"
Service Name: ASSY,PWB,RC_LED N8LK
Japan BOM part number: 1AA0B10N3060C
NOTE: This sub-assembly (A203) is part of ASSY,PWB,ANALOG-COMP-N8MK (A200)

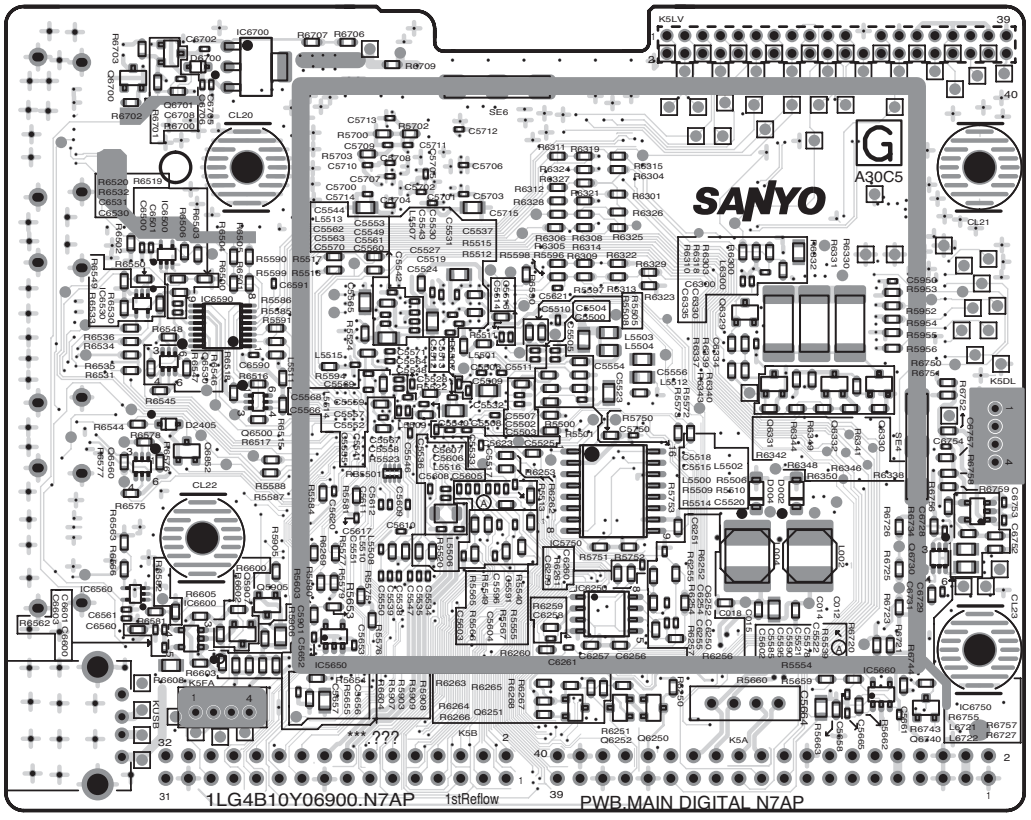
"For Inverter Board replacement please get the correct assembly name/part number"
Service Name: UNIT, INVERTER
Japan BOM part number: 1AV4U20C46200

COMPONENT AND TEST POINT LOCATIONS

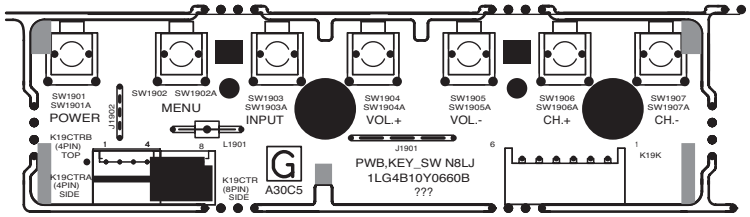
DIGITAL BOARD PARTS SIDE



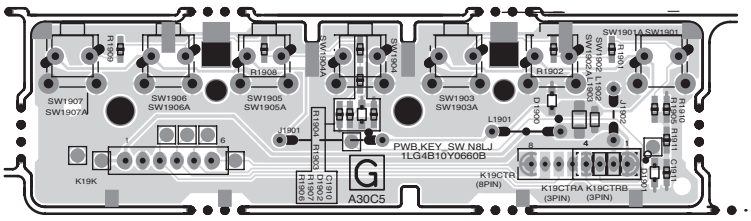
DIGITAL BOARD SOLDER SIDE



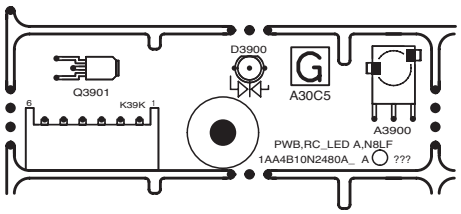
CONTROL BOARD PART SIDE



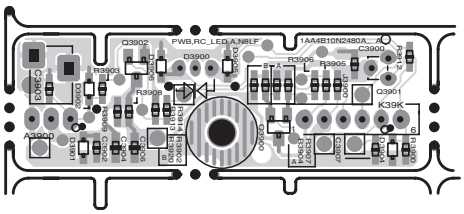
CONTROL BOARD SOLDER SIDE



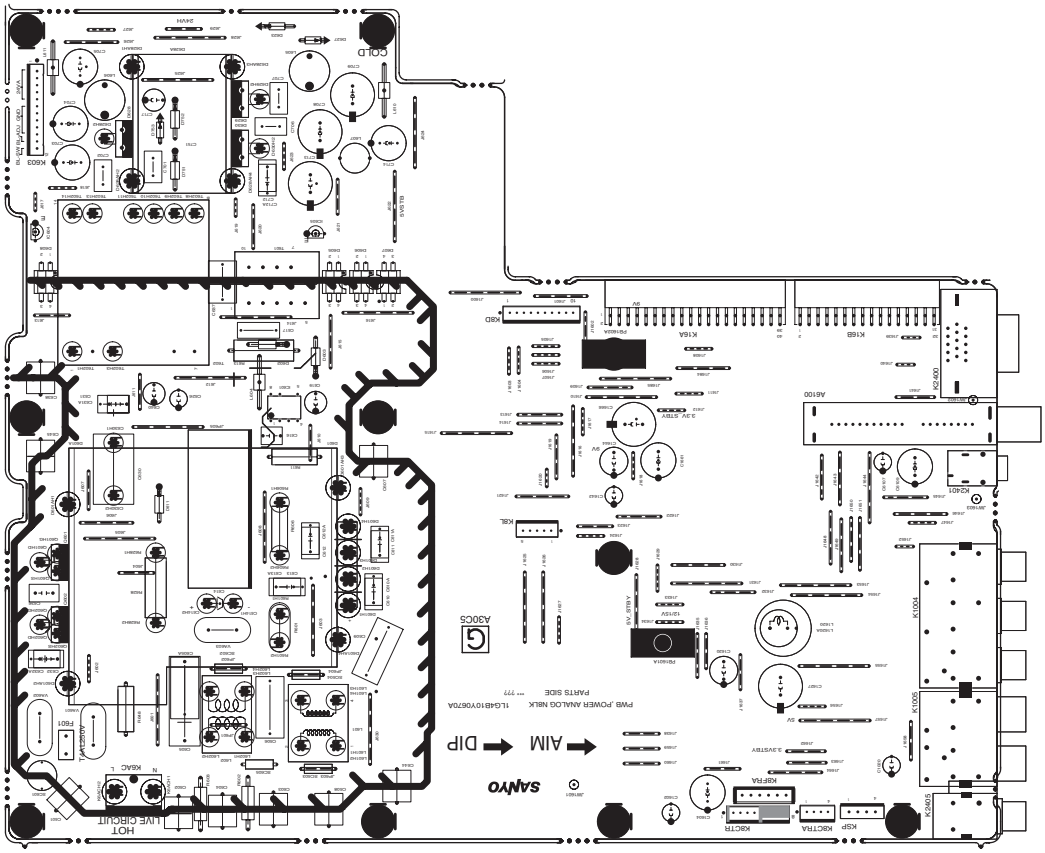
PWB RC_LED PART SIDE



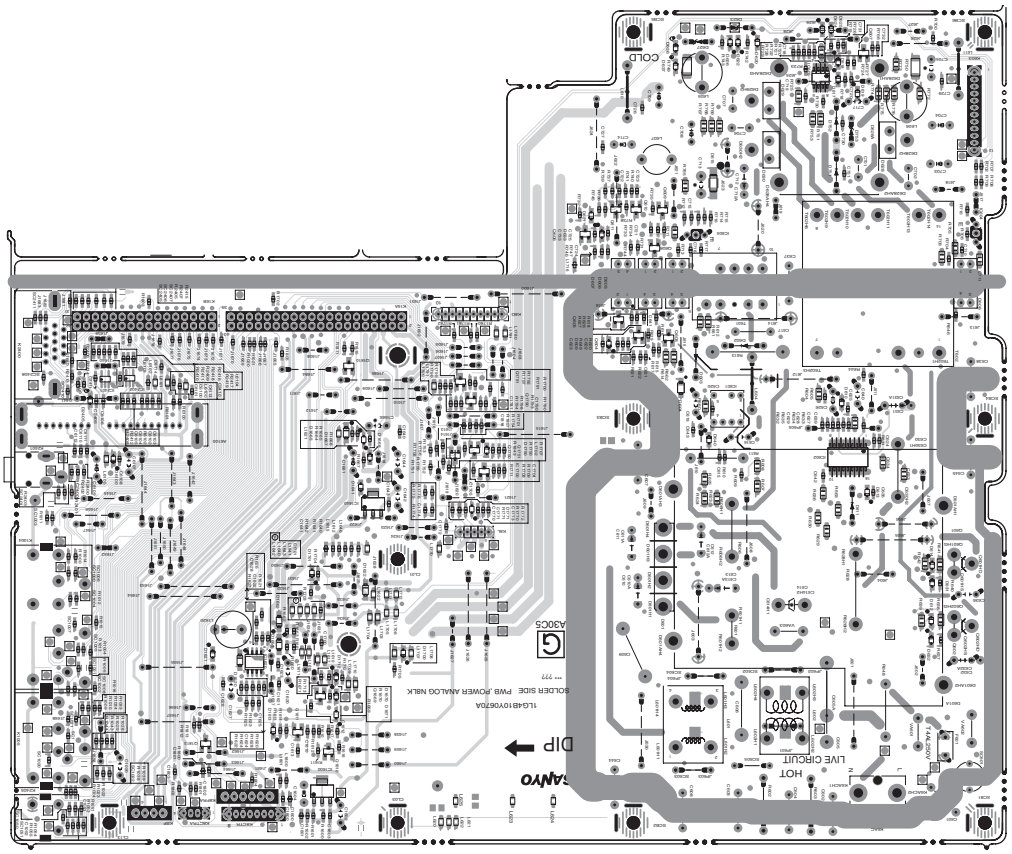
PWB RC_LED SOLDER SIDE



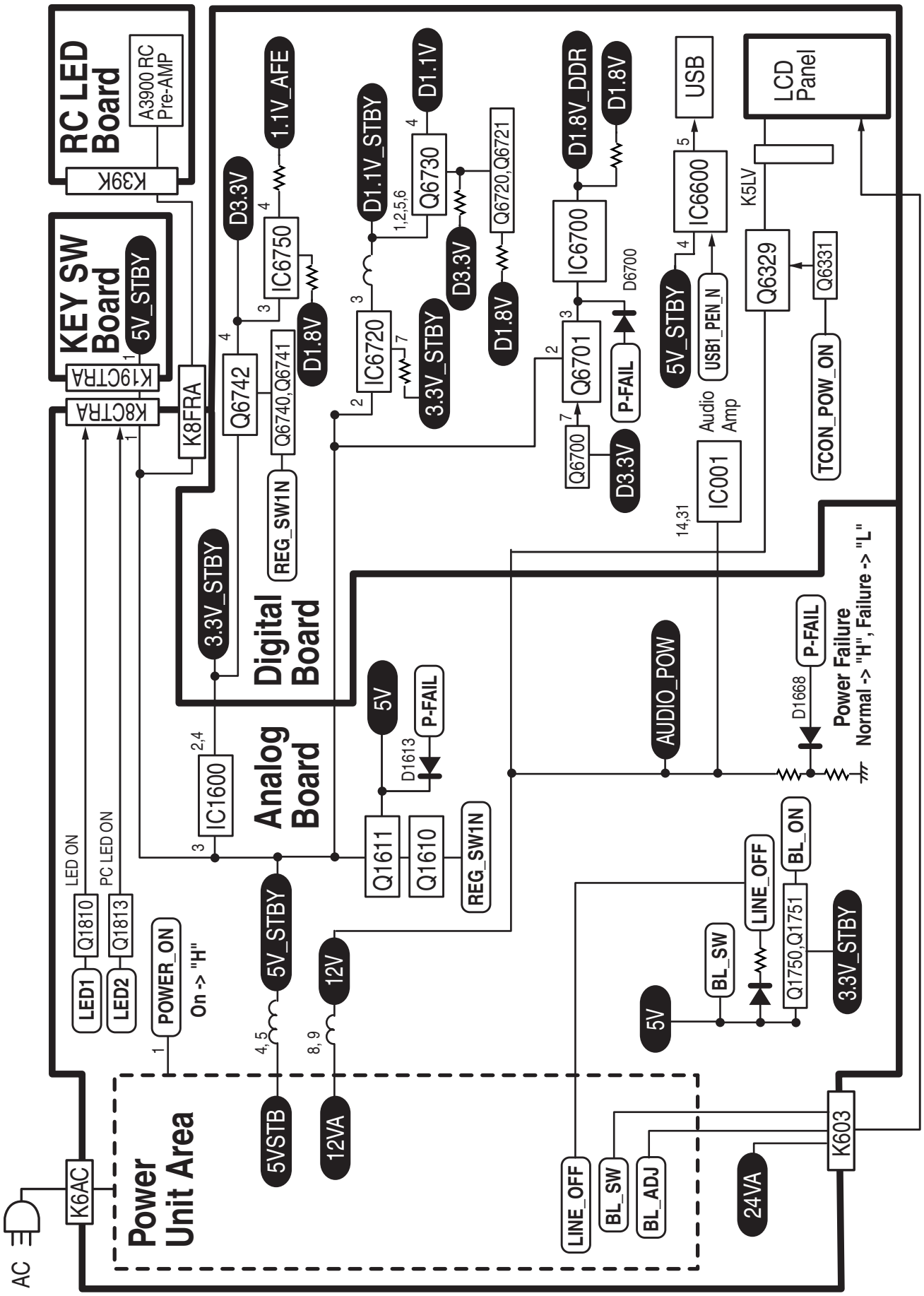
ANALOG-POWER BOARD PART SIDE



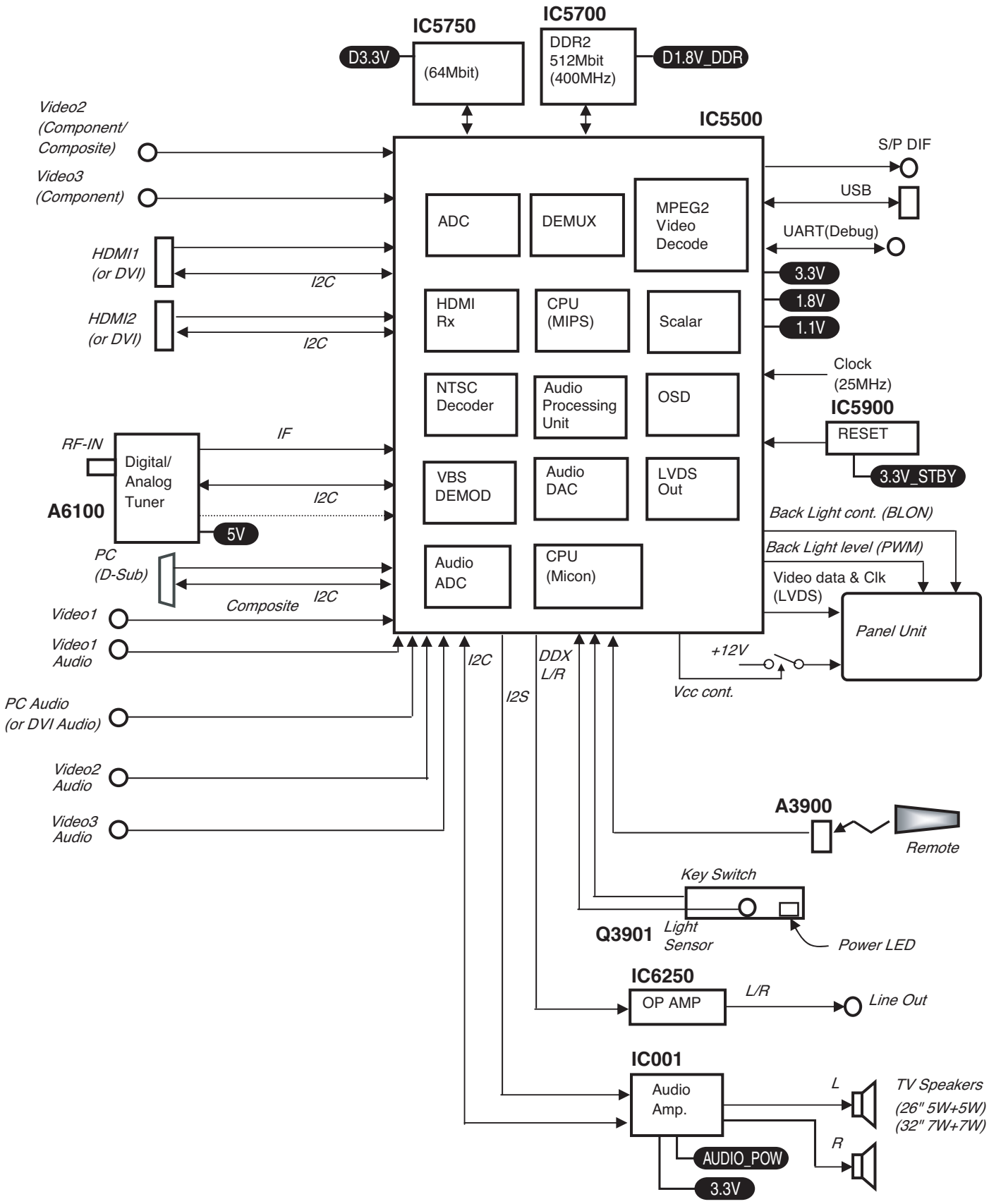
ANALOG-POWER BOARD SOLDER SIDE



BLOCK DIAGRAM POWER LINES

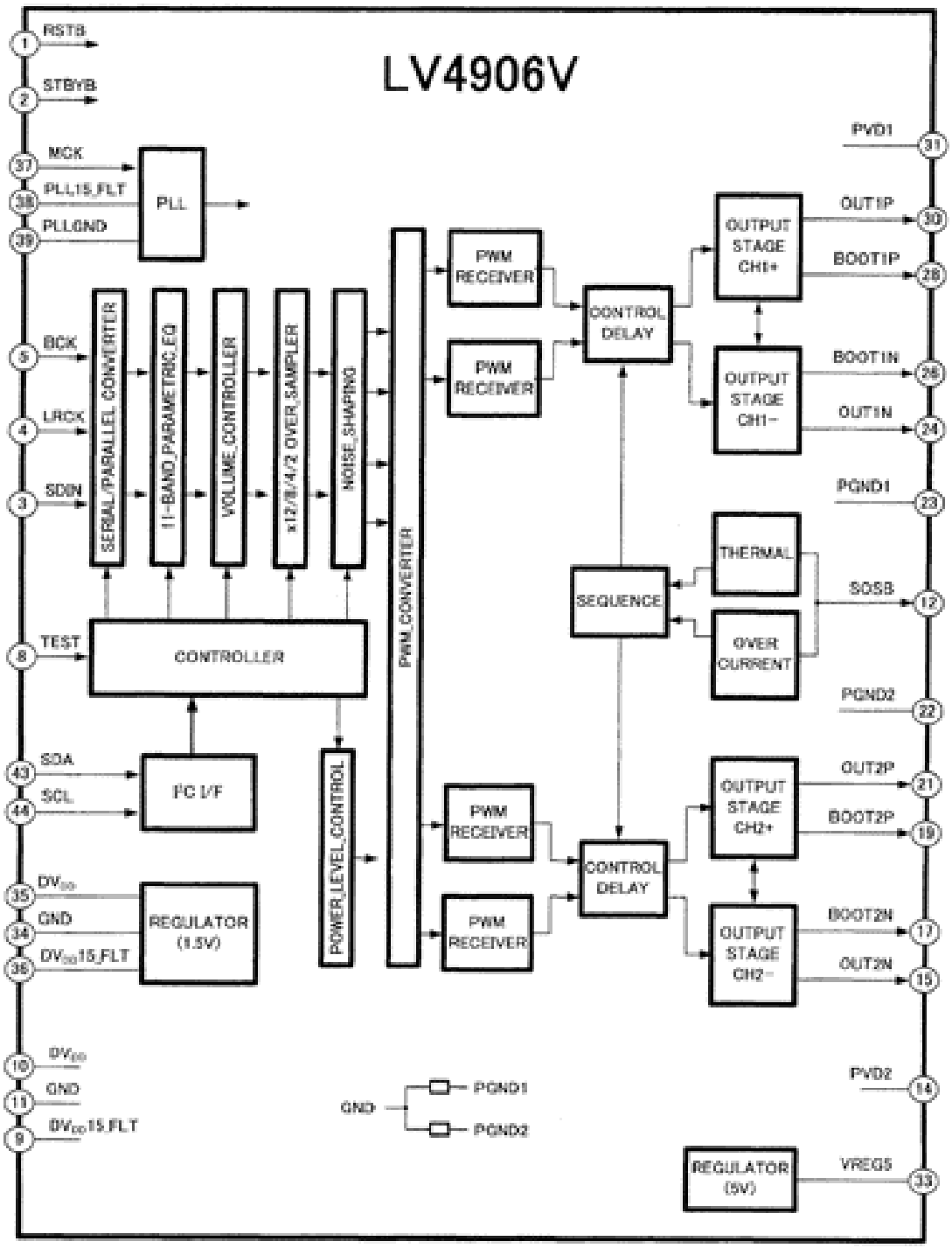


BLOCK DIAGRAM SIGNAL LINES



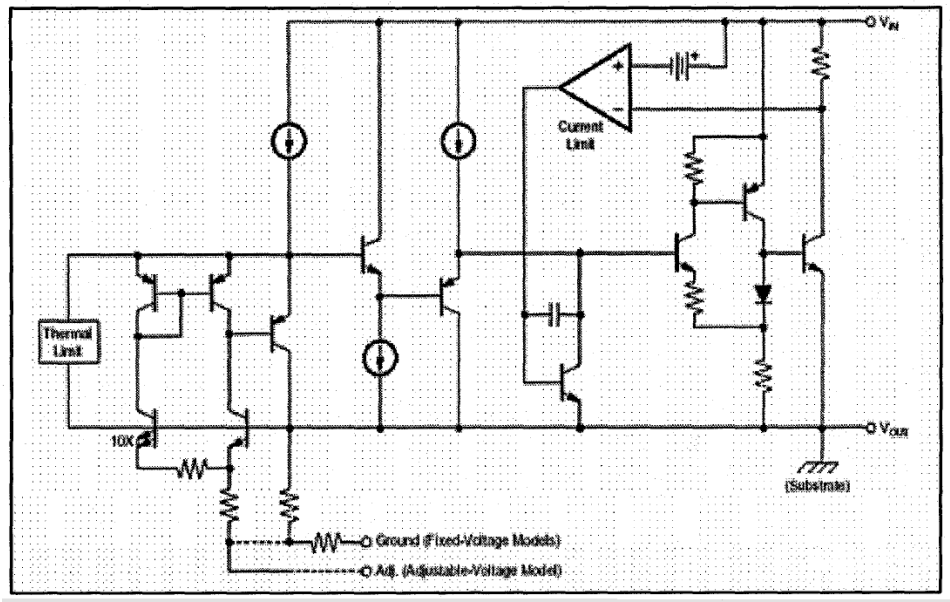
IC BLOCK DIAGRAMS

IC001, Audio AMP

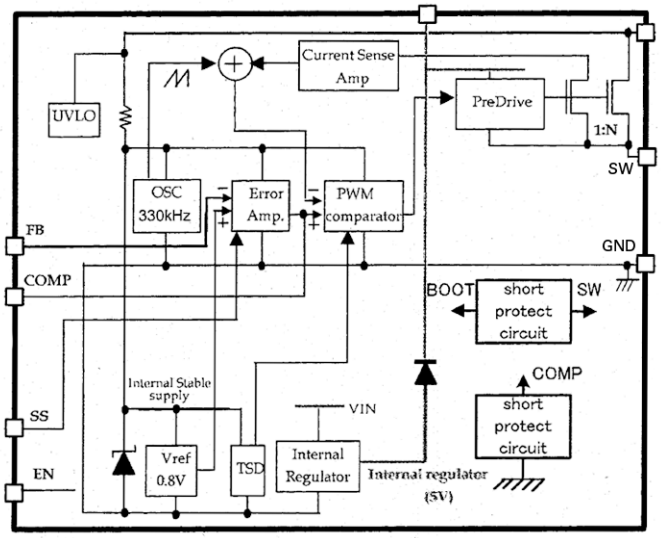


IC BLOCK DIAGRAMS (CONT.)

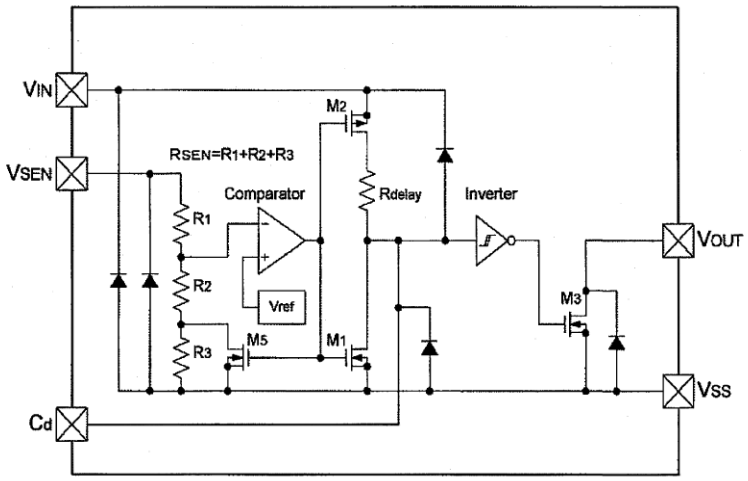
IC1600, IC1640 DC to DC Converter



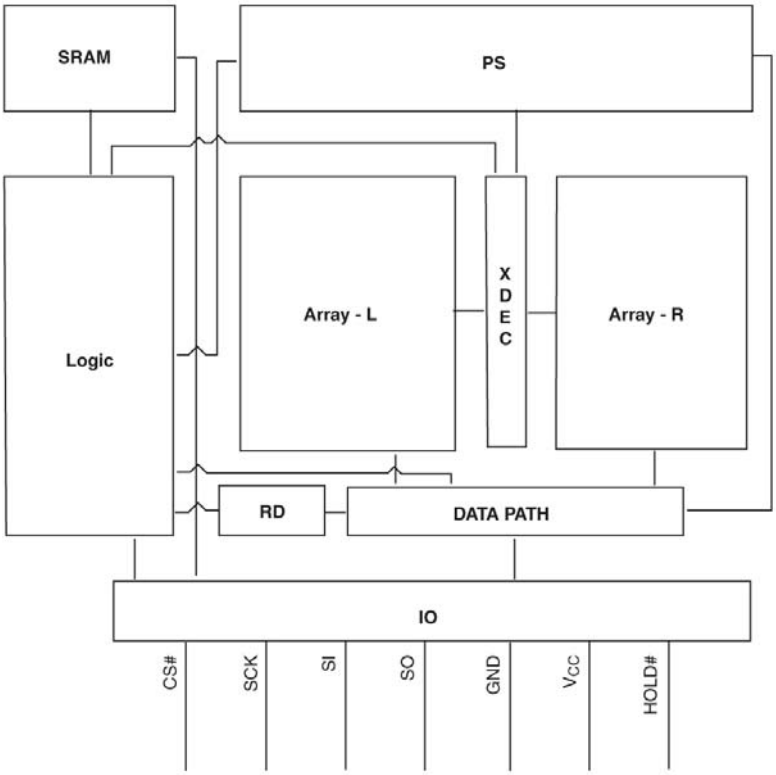
IC1620, DC-DC converter



IC5650, IC5660, IC5900 Voltage detector

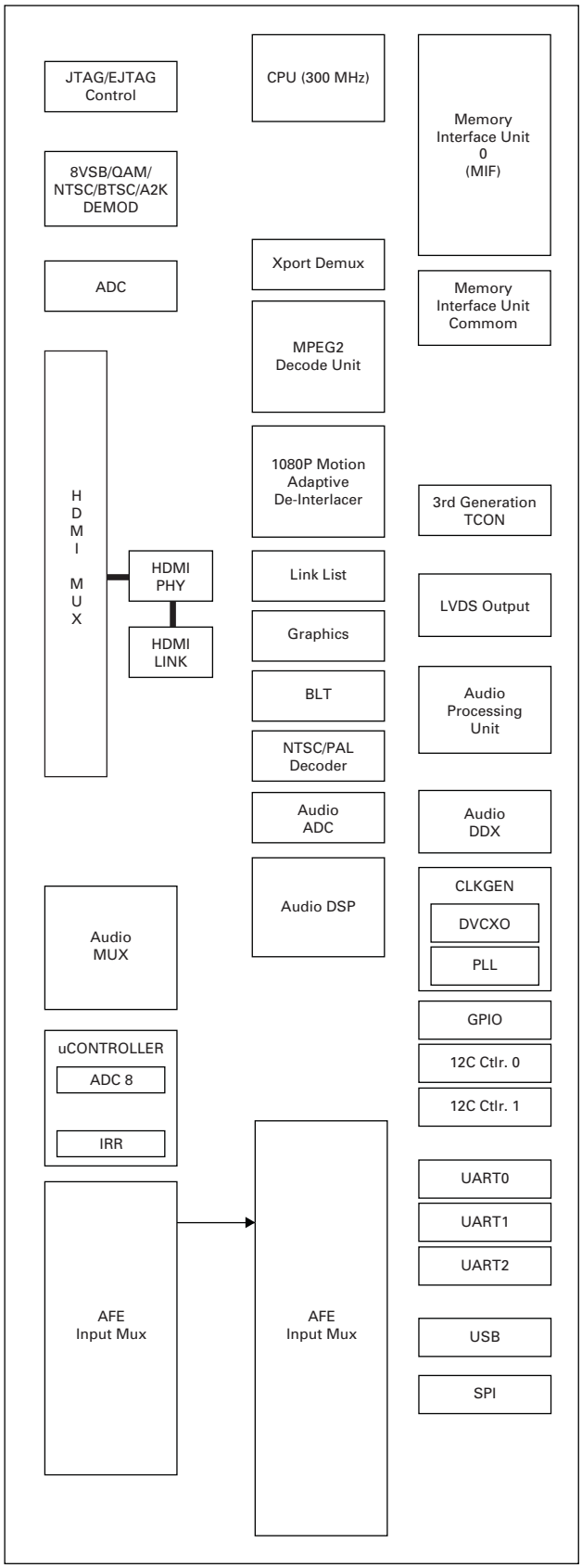


IC5750, Flash Memory

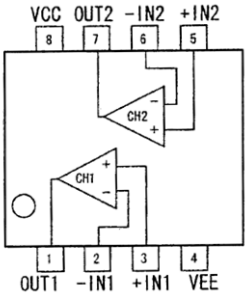


IC BLOCK DIAGRAMS (CONT.)

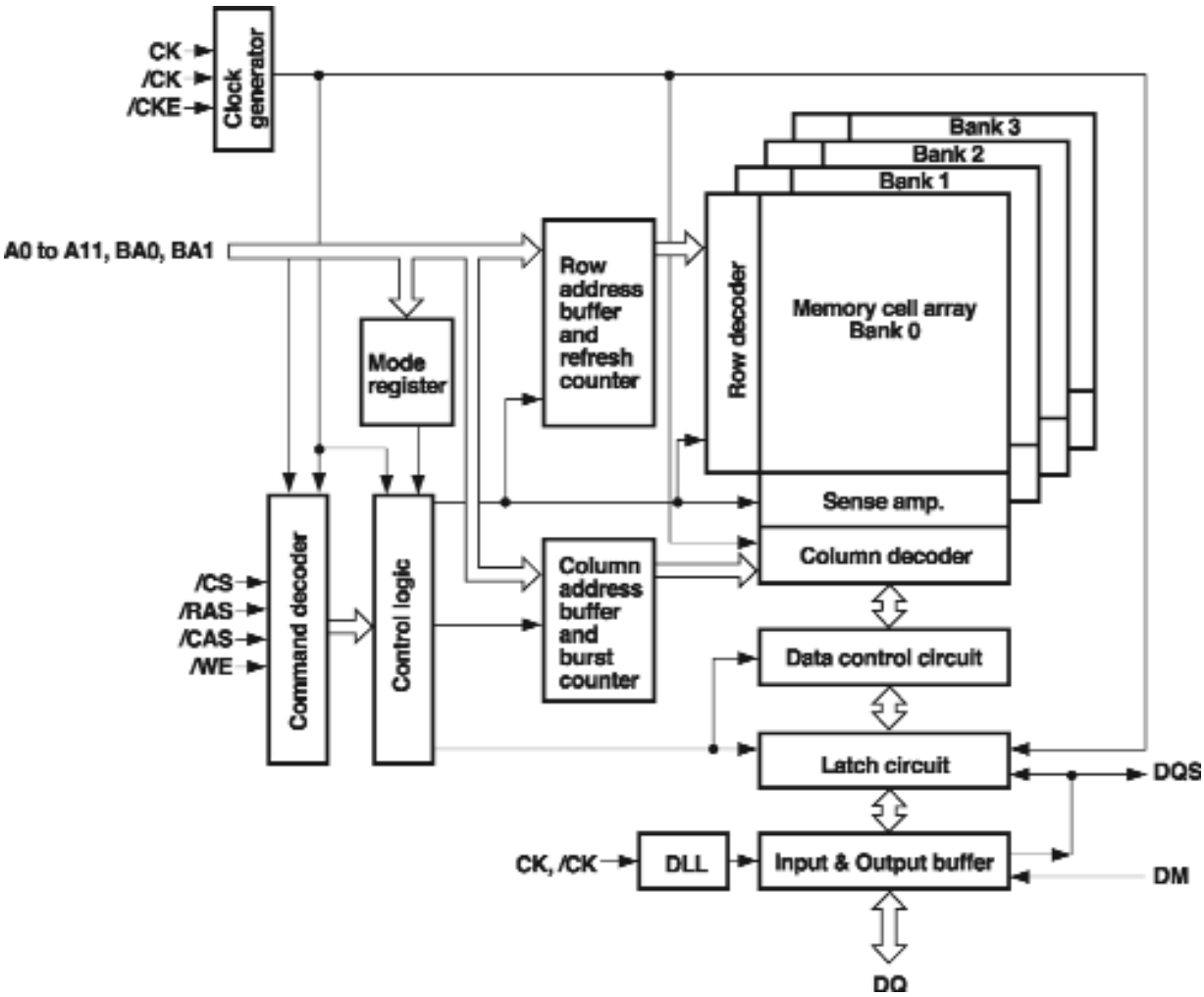
IC5500 Main Chip signal processor



IC6250, Voltage comparator

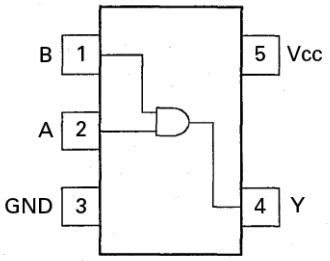


IC5700, DDR: Double Data Rate SDRAM

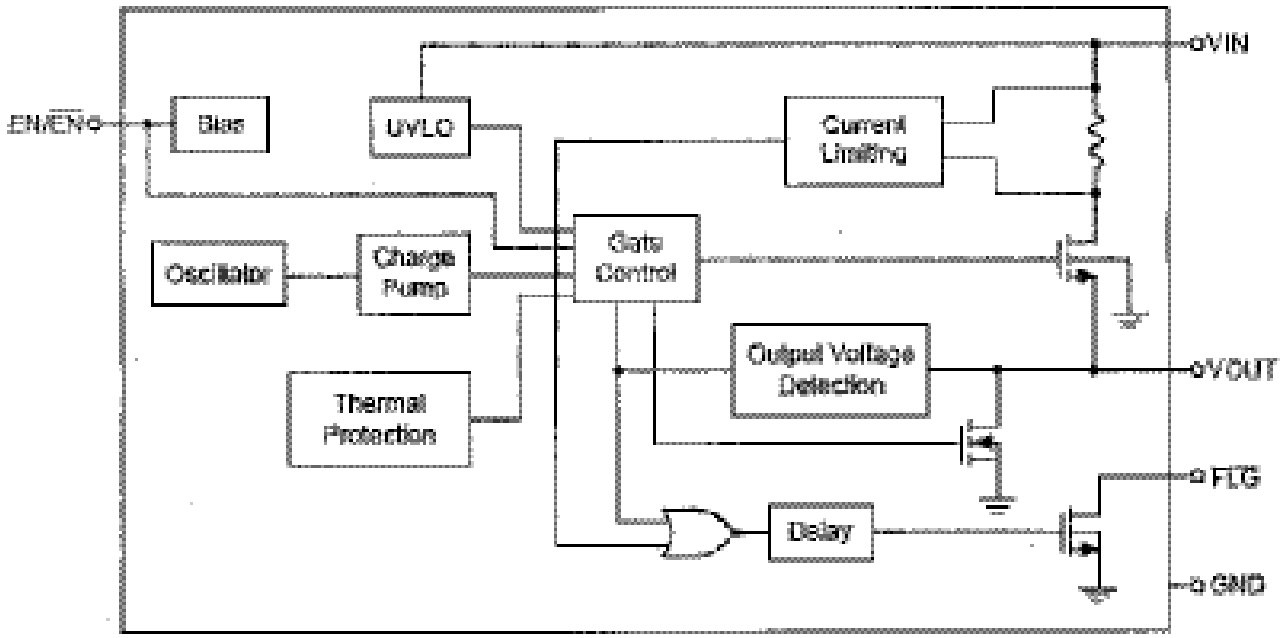


IC BLOCK DIAGRAMS (CONT.)

IC6500, IC6530, IC6560, Logic AND gate

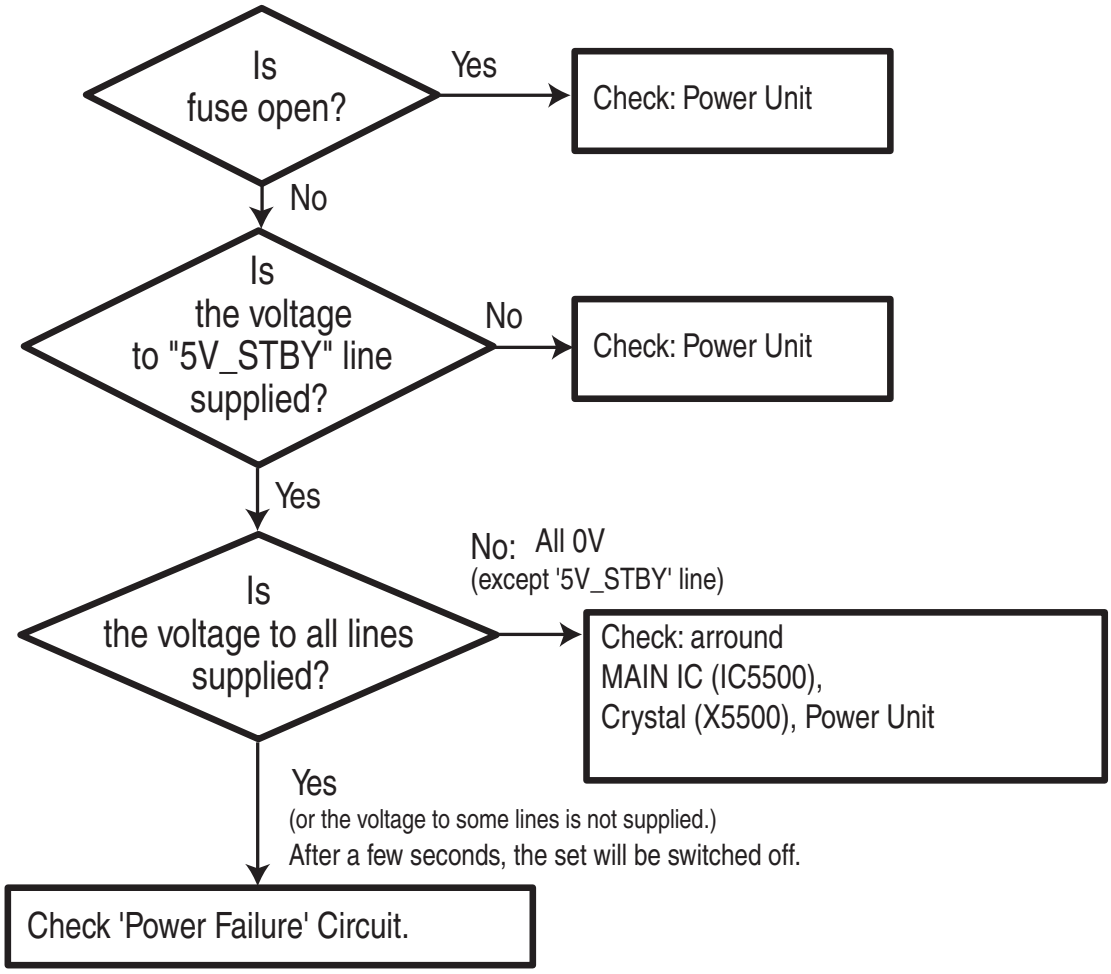


IC 6600, USB Protection



TROUBLESHOOTING FLOW CHARTS

NO POWER



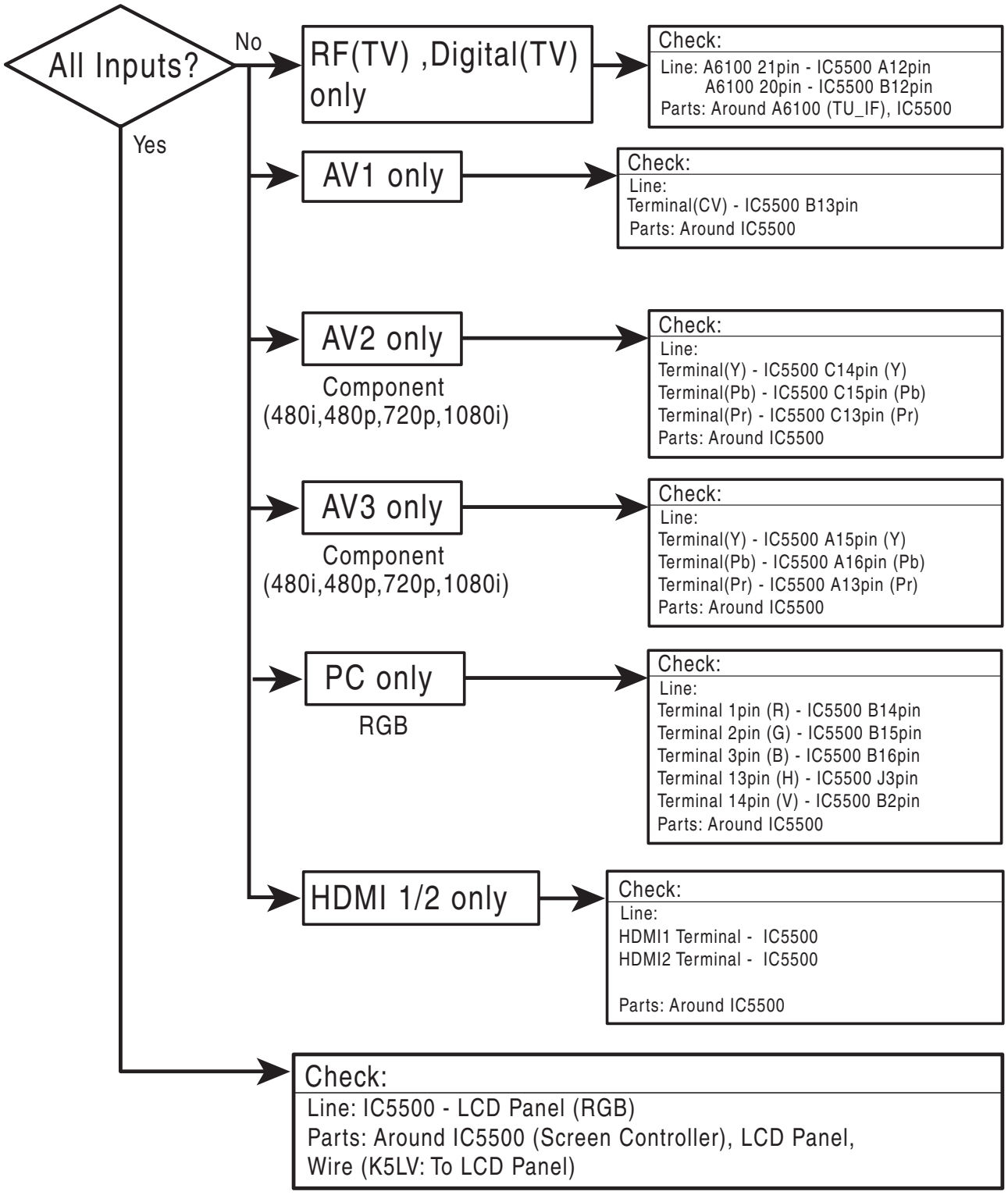
Power Failure Line

MAIN IC (IC5500) D9pin

Diod	Detected Voltage
D1613	5V
D1668	AUDIO_POW
D6700	5V

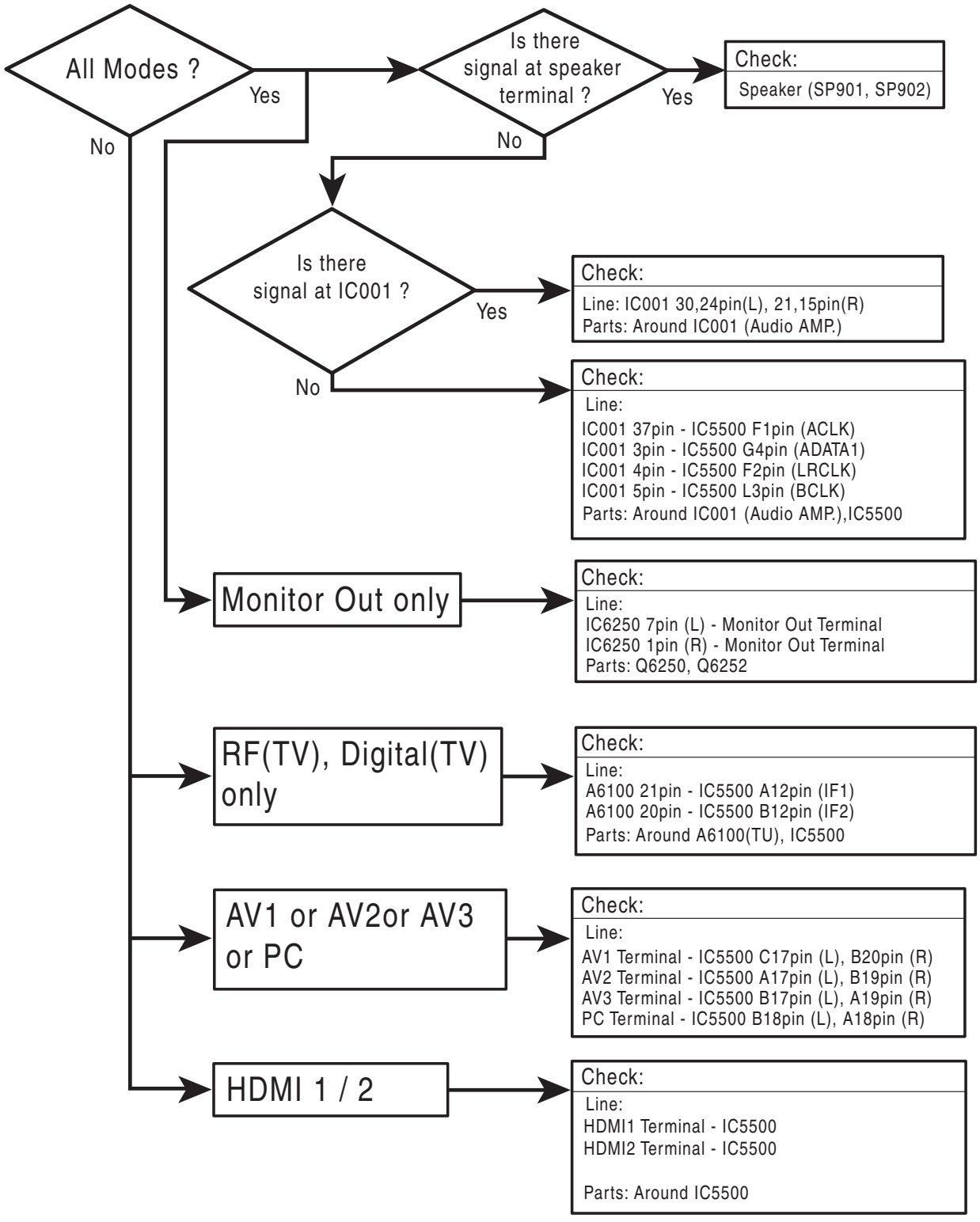
TROUBLESHOOTING FLOW CHARTS (CONT.)

NO VIDEO

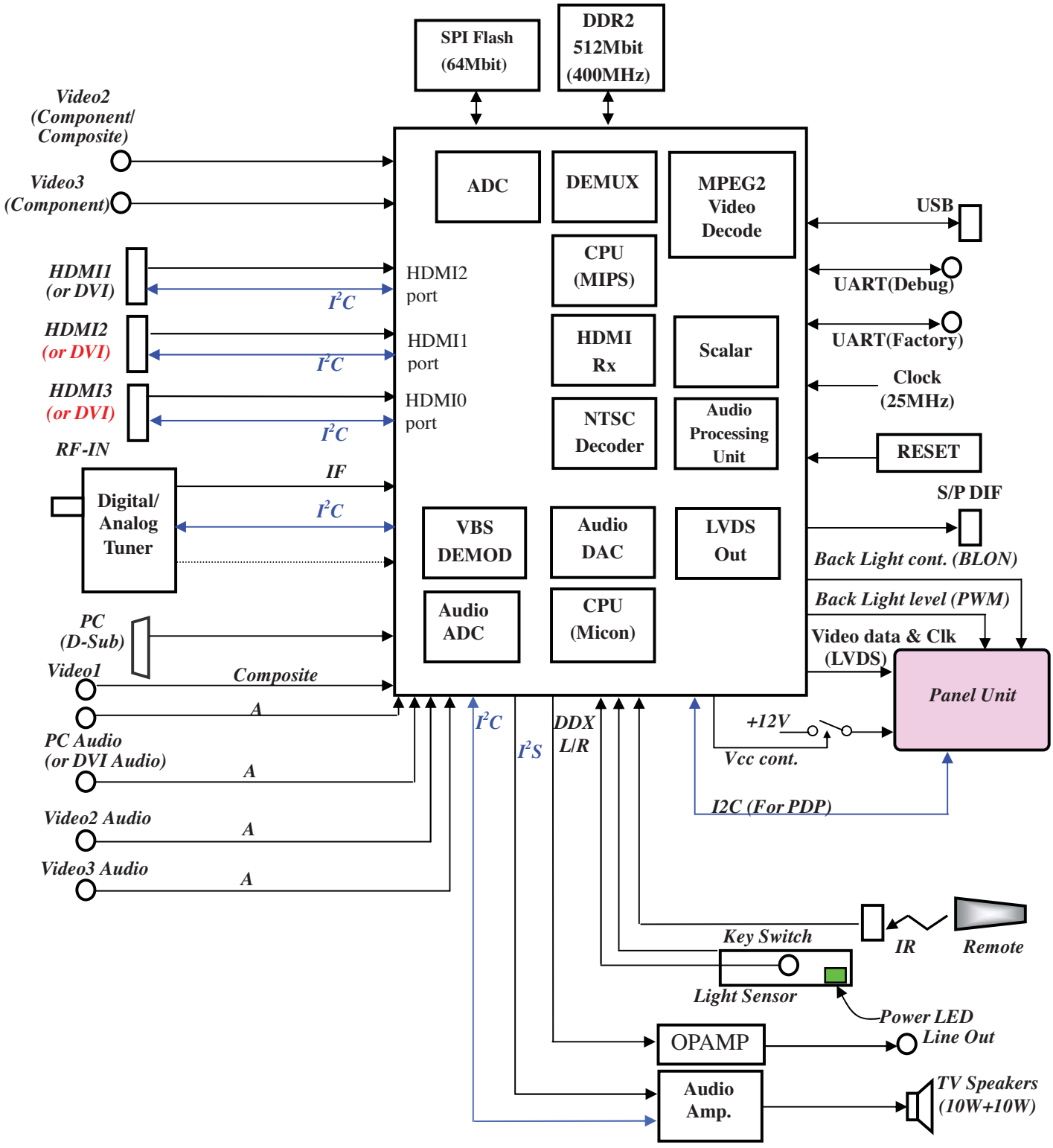


TROUBLESHOOTING FLOW CHARTS (CONT.)

NO AUDIO



MAIN IC PROCESSOR & PERIPHERICALS



SCHEMATIC NOTES

NOTES ON SCHEMATIC DIAGRAMS

1. All resistance values in ohms K=1,000 M=1,000,000.
2. Resistors specified with resistance value are "1/6DJ."
3. Resistors specified with type of resistor, tolerence and resistance value are "1/4."
4. Unless otherwise noted on schematic, all capacitor values less than 1 are expressed in μF (Micro Farad), and the values more than 1 are in pF.
5. All capacitors are 50 WV rating unless oterhwise noted.
6. Unless otherwise noted on schematic, voltage reading taken with VOM from point indicated to chassis ground. Voltage reading taken using color-bar signal VHF channel 5, all controls at normal. Line voltage at 120 volts. Some voltages may vary with signal strength.
7. Waveforms were taken with color-bar signal and controls set for normal picture. Waveforms marked with an ✻ may vary with signal strength.
8. The Symbol indicates a fusible resistor, which protects the circuit from possible short circuits.
9. Parts enclosed with ▭ are related with X-radiation.
10. Isolation border line. Cold Side Hot Side
11. Schematic part location numbers may not always match the schematic symbols. The schematic symbols and part descriptions are correct and should be used. The part descriptions will be listed under the location number in the parts list.

ELECTROSTATICALLY SENSATIVE DEVICES

Many solid-state devices (especially Integrated Circuits) are Electrostatically Sensitive, and, therefore, require special handling techniques as described under "Servicing Electrostatically Sensitive Devices," on page two in this service literature.

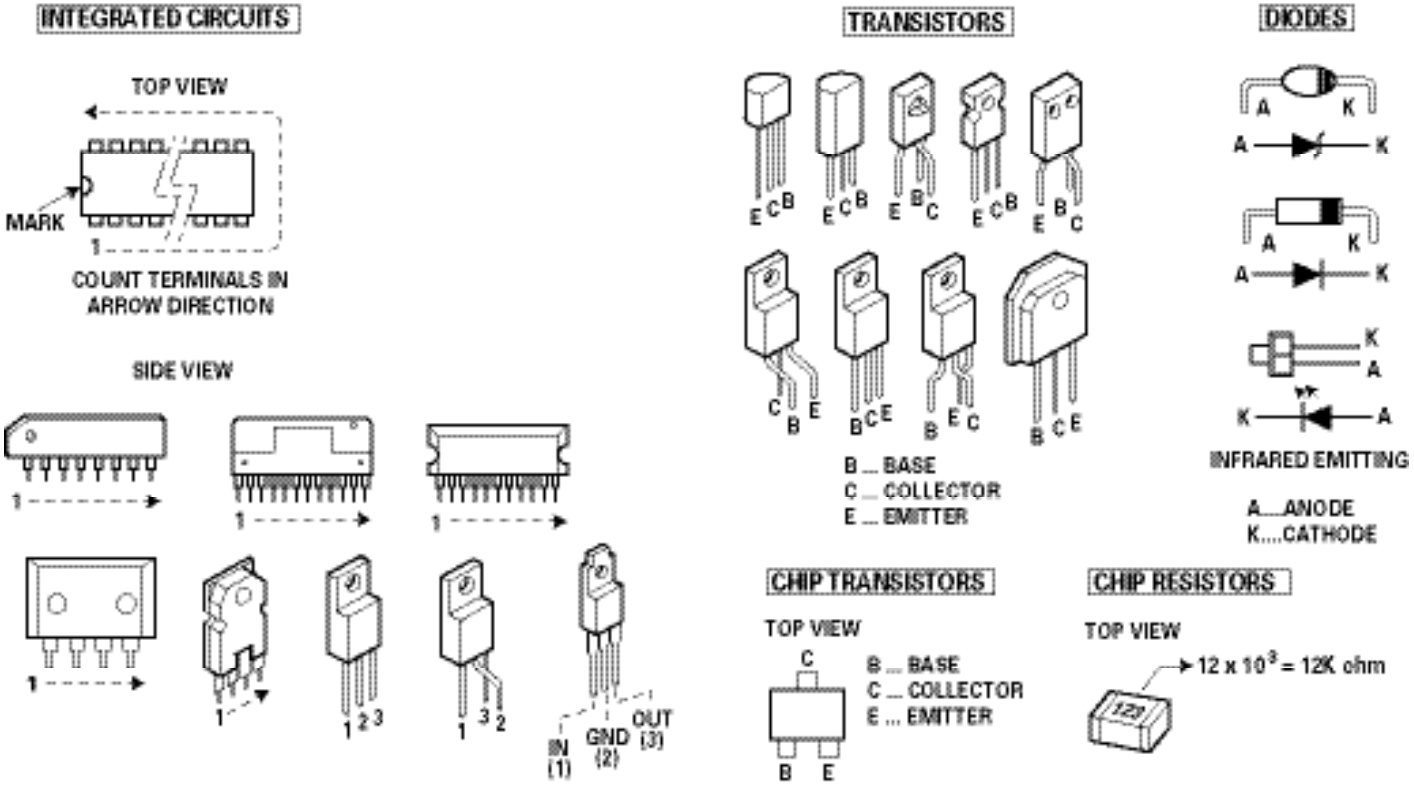
SERVICE NOTES:

1. When replacing parts on circuit boards, clamp the lead wires to terminals before soldering.
2. When replacing high wattage resistors on circuit board, keep the resistor body 10 mm (3/8) from circuit board.
3. Keep wires away from high voltage and high temperature components.

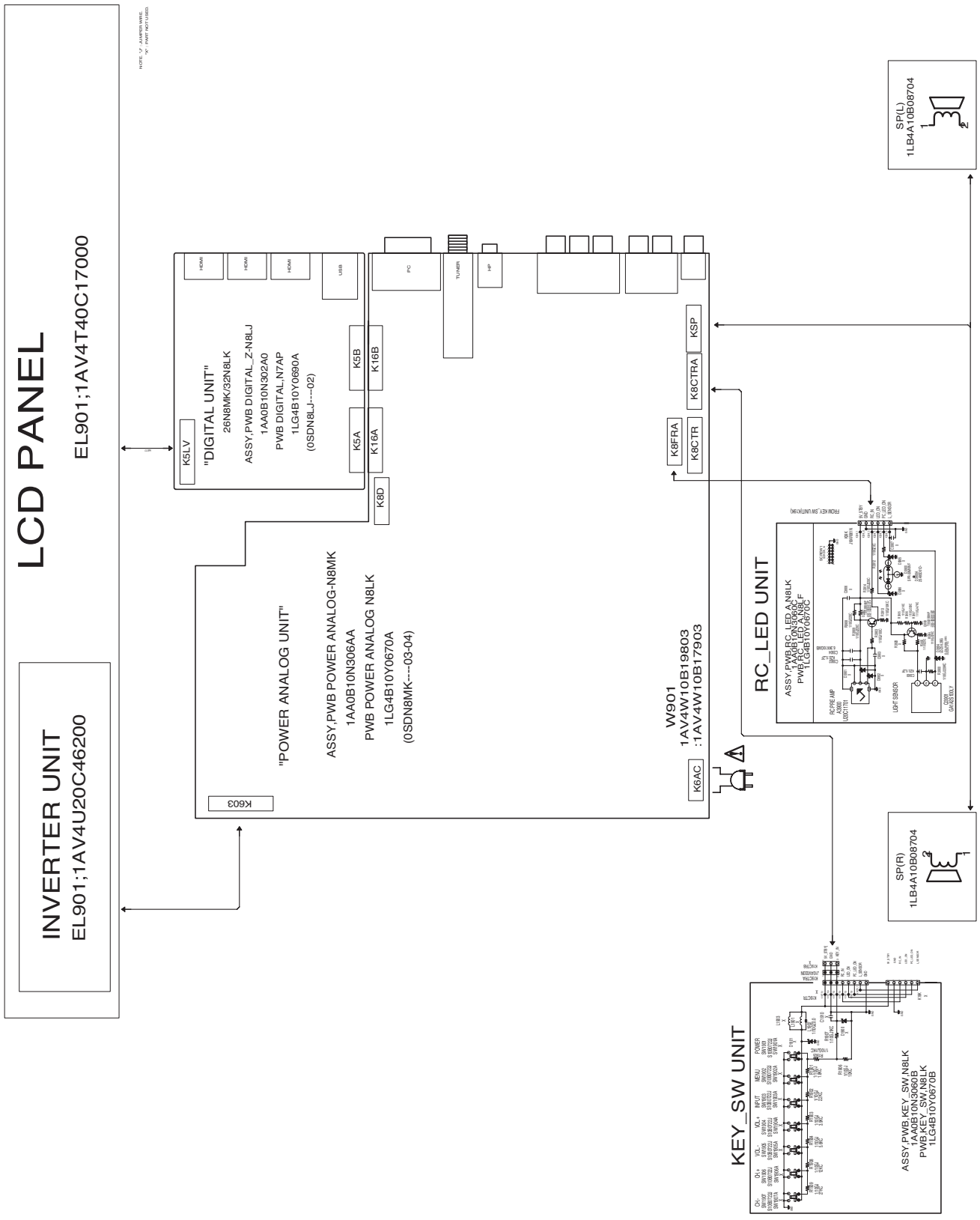
PRODUCT SAFETY NOTICE

THE COMPONENTS DESIGNATED BY A ⚠ ON THIS SCHEMATIC DIAGRAM DESIGNATE COMPONENTS WHOSE VALUES ARE OF SPECIAL SIGNIFICANCE TO PRODUCT SAFETY. SHOULD ANY COMPONENT DESIGNATED BY A ⚠ NEED TO BE REPLACED, USE ONLY THE PART DESIGNATED IN THE PARTS LIST. DO NOT DEVIATE FROM THE RESISTANCE, WATTAGE AND VOLTAGE RATINGS SHOWN.

IC, DIODE, AND TRANSISTOR PIN LAYOUTS

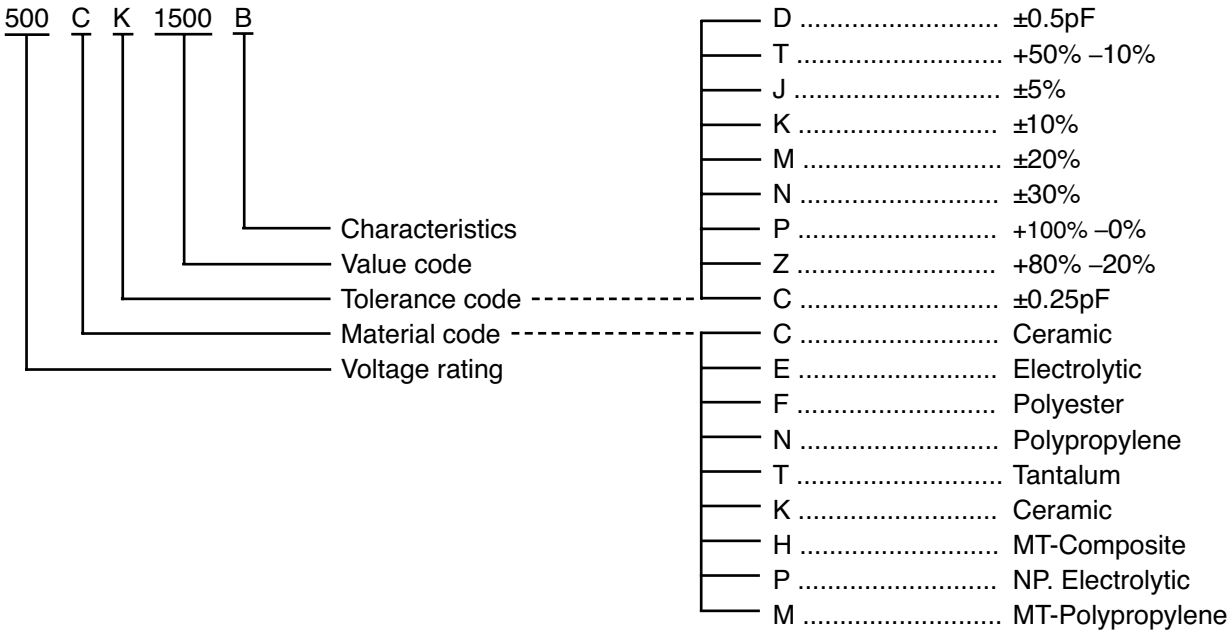


PC BOARD CONNECTIONS AND LOCATIONS

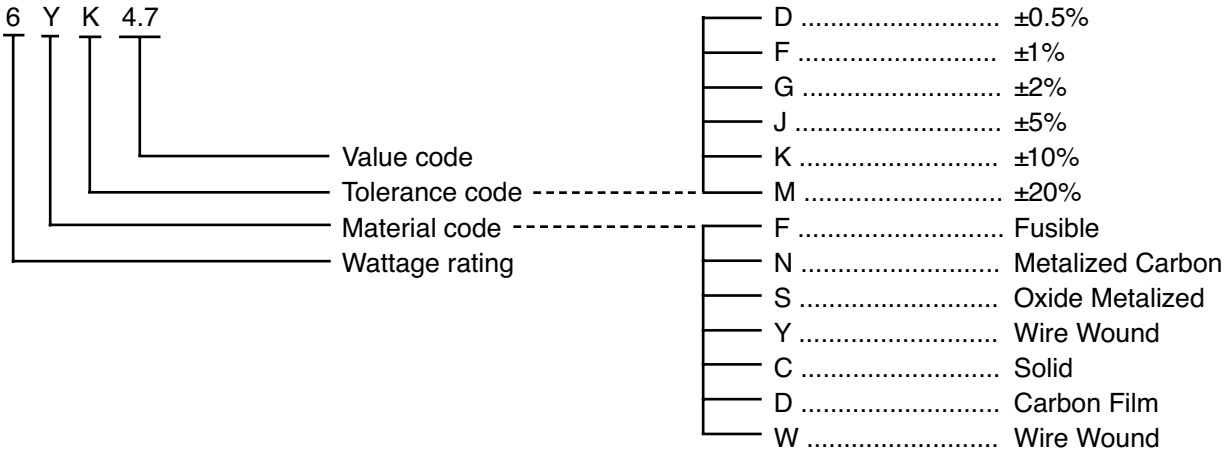


CAPACITOR AND RESISTOR CODE CHART

CAPACITOR (Example)



RESISTOR (Example)



For parts or service contact

Sanyo Manufacturing Corporation
P.O. Box 2000
3333 Sanyo Road
Forrest City, Arkansas 72335-2000

April 2011 SMC

Published in Mexico

MODEL DP26640 Chassis No. P26640-06 SCHEMATIC DIAGRAMS

ELECTROSTATICALLY SENSITIVE DEVICES

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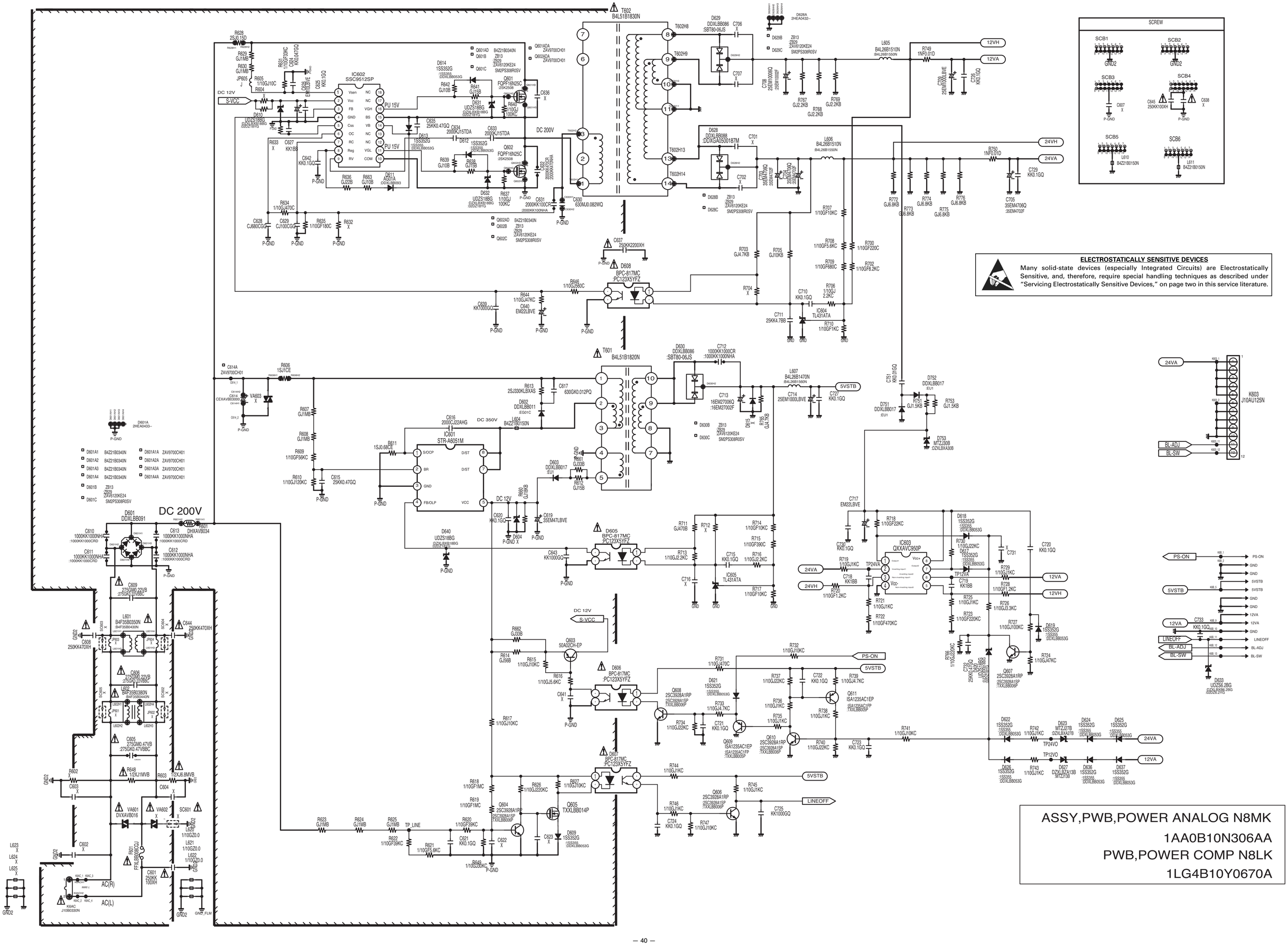
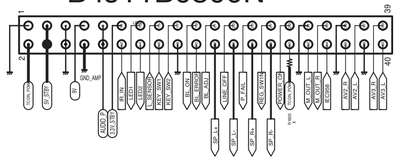
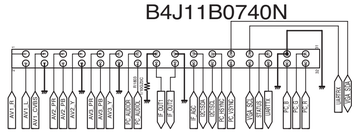
Pch-MOSFET
For Debug
2mm Pitch Housing
K5LV
B4J10B0270N
2mm Pitch PinHeader
*IC5700
QXXAVD132M
QXXAVD265M
UM6K1N
HDMI3
*K6500
HDMI2
*K6530
HDMI1
*K6560
IC5500
QXXAVD250M
<TOP_VIEW>
IC6590
RT9711CGB
IC6600
IC6720
LV5893
IC5750
<NOR SERIAL FLASH>
IC5900
QXXAVD048P
IC6700
LM1117S-ADJP
*IC6250
K55SP
J10EA043N
K5A
B4J10B0040N
2.54mm Pitch PinHeader
K5B
B4J10B0030N
2.54mm Pitch PinHeader
SHIELD CASE
Earth terminal
MORNING STAR
NOTE "J" : JUMPER WIRE.
"X" : PART NOT USED.


T602 B4L51B1830N
T601 B4L51B1820N
IC602 SSC9512SP
IC601 STR-A6051M
IC603 QXXAAVC950P
IC604 TL431ATA
IC605 TL431ATA
DC 200V
DC 15V
DC 12V
S-VCC
PU 15V
DC 350V
12VH
12VA
24VH
24VA
5VSTB
PS-ON
LINEOFF
BL-ADJ
BL-SW
TP_LINE
TP24VO
TP12VO
SCREW
SCB1
SCB2
SCB3
SCB4
SCB5
SCB6
K603 J10AU125N
ELECTROSTATICALLY SENSITIVE DEVICES
Many solid-state devices (especially Integrated Circuits) are Electrostatically Sensitive, and, therefore, require special handling techniques as described under "Servicing Electrostatically Sensitive Devices," on page two in this service literature.
ASSY,PWB,POWER ANALOG N8MK
1AA0B10N306AA
PWB,POWER COMP N8LK
1LG4B10Y0670A

K16A
B4J11B0500N



K16B
B4J11B0740N



ELECTROSTATICALLY SENSITIVE DEVICES

Many solid-state devices (especially Integrated Circuits) are Electrostatically Sensitive, and, therefore, require special handling techniques as described under "Servicing Electrostatically Sensitive Devices," on page two in this service literature.