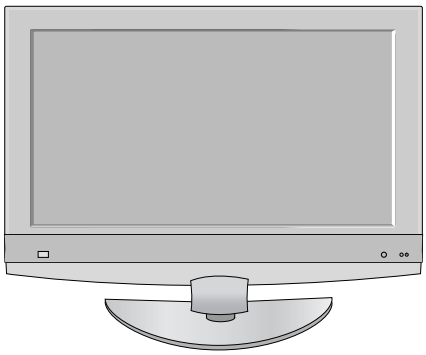
Internal Use Only
website:http://biz.LGservice.com

LCD TV
SERVICE MANUAL

CHASSIS : LB73B

MODEL : 32LB9D 32LB9D-AD

CAUTION
BEFORE SERVICING THE CHASSIS,
READ THE SAFETY PRECAUTIONS IN THIS MANUAL.



CONTENTS

SAFETY PRECAUTIONS

IMPORTANT SAFETY NOTICE

Many electrical and mechanical parts in this chassis have special safety-related characteristics. These parts are identified by ⚠ in the Schematic Diagram and Replacement Parts List.
It is essential that these special safety parts should be replaced with the same components as recommended in this manual to prevent Shock, Fire, or other Hazards.
Do not modify the original design without permission of manufacturer.

General Guidance

An **isolation Transformer should always be used** during the servicing of a receiver whose chassis is not isolated from the AC power line. Use a transformer of adequate power rating as this protects the technician from accidents resulting in personal injury from electrical shocks.

It will also protect the receiver and it's components from being damaged by accidental shorts of the circuitry that may be inadvertently introduced during the service operation.

If any fuse (or Fusible Resistor) in this TV receiver is blown, replace it with the specified.

When replacing a high wattage resistor (Oxide Metal Film Resistor, over 1W), keep the resistor 10mm away from PCB.

Keep wires away from high voltage or high temperature parts.

Before returning the receiver to the customer,

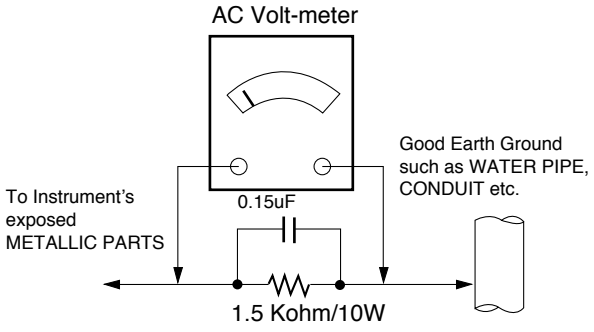
always perform an **AC leakage current check** on the exposed metallic parts of the cabinet, such as antennas, terminals, etc., to be sure the set is safe to operate without damage of electrical shock.

Leakage Current Cold Check(Antenna Cold Check)
With the instrument AC plug removed from AC source, connect an electrical jumper across the two AC plug prongs. Place the AC switch in the on position, connect one lead of ohm-meter to the AC plug prongs tied together and touch other ohm-meter lead in turn to each exposed metallic parts such as antenna terminals, phone jacks, etc.
If the exposed metallic part has a return path to the chassis, the measured resistance should be between 1MΩ and 5.2MΩ.
When the exposed metal has no return path to the chassis the reading must be infinite.
An other abnormality exists that must be corrected before the receiver is returned to the customer.

Leakage Current Hot Check (See below Figure)
Plug the AC cord directly into the AC outlet.

Do not use a line Isolation Transformer during this check.
Connect 1.5K/10watt resistor in parallel with a 0.15uF capacitor between a known good earth ground (Water Pipe, Conduit, etc.) and the exposed metallic parts.
Measure the AC voltage across the resistor using AC voltmeter with 1000 ohms/volt or more sensitivity.
Reverse plug the AC cord into the AC outlet and repeat AC voltage measurements for each exposed metallic part. Any voltage measured must not exceed 0.75 volt RMS which is corresponds to 0.5mA.
In case any measurement is out of the limits specified, there is possibility of shock hazard and the set must be checked and repaired before it is returned to the customer.

Leakage Current Hot Check circuit



SERVICING PRECAUTIONS

CAUTION: Before servicing receivers covered by this service manual and its supplements and addenda, read and follow the *SAFETY PRECAUTIONS* on page 3 of this publication.
NOTE: If unforeseen circumstances create conflict between the following servicing precautions and any of the safety precautions on page 3 of this publication, always follow the safety precautions. Remember: Safety First.

General Servicing Precautions

1. Always unplug the receiver AC power cord from the AC power source before;
   a. Removing or reinstalling any component, circuit board module or any other receiver assembly.
   b. Disconnecting or reconnecting any receiver electrical plug or other electrical connection.
   c. Connecting a test substitute in parallel with an electrolytic capacitor in the receiver.
   CAUTION: A wrong part substitution or incorrect polarity installation of electrolytic capacitors may result in an explosion hazard.

2. Test high voltage only by measuring it with an appropriate high voltage meter or other voltage measuring device (DVM, FETVOM, etc) equipped with a suitable high voltage probe.
   Do not test high voltage by "drawing an arc".
3. Do not spray chemicals on or near this receiver or any of its assemblies.
4. Unless specified otherwise in this service manual, clean electrical contacts only by applying the following mixture to the contacts with a pipe cleaner, cotton-tipped stick or comparable non-abrasive applicator; 10% (by volume) Acetone and 90% (by volume) isopropyl alcohol (90%-99% strength)
   CAUTION: This is a flammable mixture.
   Unless specified otherwise in this service manual, lubrication of contacts in not required.
5. Do not defeat any plug/socket B+ voltage interlocks with which receivers covered by this service manual might be equipped.
6. Do not apply AC power to this instrument and/or any of its electrical assemblies unless all solid-state device heat sinks are correctly installed.
7. Always connect the test receiver ground lead to the receiver chassis ground before connecting the test receiver positive lead.
   Always remove the test receiver ground lead last.
8. *Use with this receiver only the test fixtures specified in this service manual.*
   CAUTION: Do not connect the test fixture ground strap to any heat sink in this receiver.

Electrostatically Sensitive (ES) Devices

Some semiconductor (solid-state) devices can be damaged easily by static electricity. Such components commonly are called *Electrostatically Sensitive (ES) Devices.* Examples of typical ES devices are integrated circuits and some field-effect transistors and semiconductor "chip" components. The following techniques should be used to help reduce the incidence of component damage caused by static by static electricity.

1. Immediately before handling any semiconductor component or semiconductor-equipped assembly, drain off any electrostatic charge on your body by touching a known earth ground. Alternatively, obtain and wear a commercially available discharging wrist strap device, which should be removed to prevent potential shock reasons prior to applying power to the unit under test.
2. After removing an electrical assembly equipped with ES devices, place the assembly on a conductive surface such as aluminum foil, to prevent electrostatic charge buildup or exposure of the assembly.
3. Use only a grounded-tip soldering iron to solder or unsolder ES devices.
4. Use only an anti-static type solder removal device. Some solder removal devices not classified as "anti-static" can generate electrical charges sufficient to damage ES devices.
5. Do not use freon-propelled chemicals. These can generate electrical charges sufficient to damage ES devices.
6. Do not remove a replacement ES device from its protective package until immediately before you are ready to install it. (Most replacement ES devices are packaged with leads electrically shorted together by conductive foam, aluminum foil or comparable conductive material).
7. Immediately before removing the protective material from the leads of a replacement ES device, touch the protective material to the chassis or circuit assembly into which the device will be installed.
   CAUTION: Be sure no power is applied to the chassis or circuit, and observe all other safety precautions.
8. Minimize bodily motions when handling unpackaged replacement ES devices. (Otherwise harmless motion such as the brushing together of your clothes fabric or the lifting of your foot from a carpeted floor can generate static electricity sufficient to damage an ES device.)

General Soldering Guidelines

1. Use a grounded-tip, low-wattage soldering iron and appropriate tip size and shape that will maintain tip temperature within the range or 500°F to 600°F.
2. Use an appropriate gauge of RMA resin-core solder composed of 60 parts tin/40 parts lead.
3. Keep the soldering iron tip clean and well tinned.
4. Thoroughly clean the surfaces to be soldered. Use a mall wire-bristle (0.5 inch, or 1.25cm) brush with a metal handle.
   Do not use freon-propelled spray-on cleaners.
5. Use the following unsoldering technique
   a. Allow the soldering iron tip to reach normal temperature. (500°F to 600°F)
   b. Heat the component lead until the solder melts.
   c. Quickly draw the melted solder with an anti-static, suction-type solder removal device or with solder braid.
   CAUTION: Work quickly to avoid overheating the circuit board printed foil.
6. Use the following soldering technique.
   a. Allow the soldering iron tip to reach a normal temperature (500°F to 600°F)
   b. First, hold the soldering iron tip and solder the strand against the component lead until the solder melts.
   c. Quickly move the soldering iron tip to the junction of the component lead and the printed circuit foil, and hold it there only until the solder flows onto and around both the component lead and the foil.
   CAUTION: Work quickly to avoid overheating the circuit board printed foil.
   d. Closely inspect the solder area and remove any excess or splashed solder with a small wire-bristle brush.

IC Remove/Replacement

Some chassis circuit boards have slotted holes (oblong) through which the IC leads are inserted and then bent flat against the circuit foil. When holes are the slotted type, the following technique should be used to remove and replace the IC. When working with boards using the familiar round hole, use the standard technique as outlined in paragraphs 5 and 6 above.

Removal

1. Desolder and straighten each IC lead in one operation by gently prying up on the lead with the soldering iron tip as the solder melts.
2. Draw away the melted solder with an anti-static suction-type solder removal device (or with solder braid) before removing the IC.

Replacement

1. Carefully insert the replacement IC in the circuit board.
2. Carefully bend each IC lead against the circuit foil pad and solder it.
3. Clean the soldered areas with a small wire-bristle brush. (It is not necessary to reapply acrylic coating to the areas).

"Small-Signal" Discrete Transistor Removal/Replacement

1. Remove the defective transistor by clipping its leads as close as possible to the component body.
2. Bend into a "U" shape the end of each of three leads remaining on the circuit board.
3. Bend into a "U" shape the replacement transistor leads.
4. Connect the replacement transistor leads to the corresponding leads extending from the circuit board and crimp the "U" with long nose pliers to insure metal to metal contact then solder each connection.

Power Output, Transistor Device Removal/Replacement

1. Heat and remove all solder from around the transistor leads.
2. Remove the heat sink mounting screw (if so equipped).
3. Carefully remove the transistor from the heat sink of the circuit board.
4. Insert new transistor in the circuit board.
5. Solder each transistor lead, and clip off excess lead.
6. Replace heat sink.

Diode Removal/Replacement

1. Remove defective diode by clipping its leads as close as possible to diode body.
2. Bend the two remaining leads perpendicular y to the circuit board.
3. Observing diode polarity, wrap each lead of the new diode around the corresponding lead on the circuit board.
4. Securely crimp each connection and solder it.
5. Inspect (on the circuit board copper side) the solder joints of the two "original" leads. If they are not shiny, reheat them and if necessary, apply additional solder.

Fuse and Conventional Resistor Removal/Replacement

1. Clip each fuse or resistor lead at top of the circuit board hollow stake.
2. Securely crimp the leads of replacement component around notch at stake top.
3. Solder the connections.
   CAUTION: Maintain original spacing between the replaced component and adjacent components and the circuit board to prevent excessive component temperatures.

Circuit Board Foil Repair

Excessive heat applied to the copper foil of any printed circuit board will weaken the adhesive that bonds the foil to the circuit board causing the foil to separate from or "lift-off" the board. The following guidelines and procedures should be followed whenever this condition is encountered.

At IC Connections

To repair a defective copper pattern at IC connections use the following procedure to install a jumper wire on the copper pattern side of the circuit board. (Use this technique only on IC connections).

1. Carefully remove the damaged copper pattern with a sharp knife. (Remove only as much copper as absolutely necessary).
2. carefully scratch away the solder resist and acrylic coating (if used) from the end of the remaining copper pattern.
3. Bend a small "U" in one end of a small gauge jumper wire and carefully crimp it around the IC pin. Solder the IC connection.
4. Route the jumper wire along the path of the out-away copper pattern and let it overlap the previously scraped end of the good copper pattern. Solder the overlapped area and clip off any excess jumper wire.

At Other Connections

Use the following technique to repair the defective copper pattern at connections other than IC Pins. This technique involves the installation of a jumper wire on the component side of the circuit board.

1. Remove the defective copper pattern with a sharp knife. Remove at least 1/4 inch of copper, to ensure that a hazardous condition will not exist if the jumper wire opens.
2. Trace along the copper pattern from both sides of the pattern break and locate the nearest component that is directly connected to the affected copper pattern.
3. Connect insulated 20-gauge jumper wire from the lead of the nearest component on one side of the pattern break to the lead of the nearest component on the other side. Carefully crimp and solder the connections.
   CAUTION: Be sure the insulated jumper wire is dressed so the it does not touch components or sharp edges.

SPECIFICATION

NOTE : Specifications and others are subject to change without notice for improvement.

1. Application range

This specification is applied to LB73B chassis.

2. Requirement for Test

Testing for standard of each part must be followed in below condition.

(1) Temperature : 25°C±5°C(77±9°F)
(2) Humidity : 65%±10%
(3) Power : Standard input voltage (AC 100-240V, 50/60Hz)
*Standard Voltage of each products is marked by models
(4) Specification and performance of each parts are followed each drawing and specification by part number in accordance with BOM.
(5) The receiver must be operated for about 20 minutes prior to the adjustment.

3. Test method

3.1 Performance : LGE TV test method followed
3.2 Demanded other specification
Safety : CB Specification
EMC : CISPR 13 Specification

4. General TV Specification

No	Item	Specification	Remark
1	Broadcasting system	PAL-B/G, DTV : DVB-T	
2	Available Channel	1) VHF : 0~12 2) UHF : 20 ~ 75 3) CATV: 02 ~ 44 4) DTV : 06 ~ 12, 27 ~ 69	
3	Tuner IF	1) PAL : 38.90MHz(Picture) 34.40MHz(Sound) 2) DVB-T : 36.125MHz	
4	Input Voltage	AC 240 V, 50Hz	Mark : 240V, 50Hz
5	Aspect ratio	16:9 (wide)	
6	Screen Size	32 inch Wide (1366 x 768)	
7	LCD Module	LC320WX4-SLD2	
8	Operating Environment	Temperature : 0 ~ 40 deg Humidity : 85%	
9	Storage Environment	Temperature : -20 ~ 60 deg Humidity : 85%	

5. Chroma & Brightness

No	Item			Min	Typ	Max	Unit	Remark
1	White peak Brightness (Center 1point / Full White Pattern)			400	500		cd/m^2	
2	White average brightness						cd/m^2	N/A
3	Brightness uniformity			80			%	Full white
4	Color coordinate	RED	X		0.638			± 0.03
			Y		0.340			± 0.03
		GREEN	X		0.279			± 0.03
			Y		0.611			± 0.03
		BLUE	X		0.146			± 0.03
			Y		0.062			± 0.03
		WHITE	X		0.272			± 0.03
			Y		0.278			± 0.03
5	Color coordinate uniformity							N/A
6	Contrast Ratio			800 : 1	1000 : 1			
7	Color Temperature	Cool Standard Warm			11000 9300 6500			<Test condition> HDMI Input, 85% Full white pattern
8	Color Distortion, DG					10.0	%	
9	Color Distortion, DP					10.0	deg	
10	Color S/N, AM/FM			43.0			dB	
11	Color Killer Sensitivity			-80			dBm	

6. Component Video Input (Y, PB, PR)

No	Resolution	H-freq(kHz)	V-freq.(kHz)	Pixel clock(MHz)	Remarks
1.	720*576	15.625	50.00	13.50	SDTV576i
2.	720*576	31.25	50.00	27.00	SDTV576p
3.	720*480	15.73/15.75	59.94/60.00	13.50	SDTV 480i
4.	720*480	31.47/31.50	59.94/60.00	27.00	SDTV 480p
5.	1280*720	44.96/45.00	59.94/60.00	74.25	HDTV 720P
6.	1280*720	37.50	50.00	74.25	HDTV 720P
7.	1920*1080	33.72/33.75	59.94/60.0	74.25	HDTV 1080i
8.	1920*1080	28.125	50.00	74.25	HDTV 1080i
9.	1920*1080	26.97/27.00	23.976/24.00	74.1757/74.25	HDTV 1080P
10.	1920*1080	33.716/33.750	29.97/30.00	74.1762/74.25	HDTV 1080P
11.	1920*1080	56.25	50.00	148.50	HDTV 1080P
12.	1920*1080	67.43/67.50	59.94/60.00	148.50	HDTV 1080P

7. RGB input (PC)

No	Resolution	H-freq(kHz)	V-freq.(kHz)	Pixel clock(MHz)	Remarks	
	PC					DDC
1	720*400	31.469	70.08	28.32	DOS	X
2	640*480	31.469	59.940	25.175	ESA(VGA)	O
3	640*480	37.500	75.000	31.500	VESA(VGA)	O
4	800*600	37.879	60.317	40.000	VESA(SVGA)	O
5	800*600	46.875	75.000	49.500	VESA(SVGA)	O
6	1024*768	48.363	60.004	65.000	VESA(XGA)	O
7	1024*768	56.476	70.069	75.000	VESA(XGA)	O
8	1024*768	60.023	75.029	78.750	VESA(XGA)	O
9	1280*768	47.776	59.870	79.500	VESA(WXGA)	O
10	1360*768	47.712	60.015	85.500	VESA(WXGA)	O
11	1366*768	47.13	59.65	72.00		

8. RGB, HDMI/DVI input (PC / DTV)

No	Resolution	H-freq(kHz)	V-freq.(kHz)	Pixel clock(MHz)	Remarks	
PC						DDC
1	720*400	31.469	70.08	28.32	DOS	O
2	640*480	31.469	59.940	25.175	VESA(VGA)	O
3	640*480	37.500	75.000	31.500	VESA(VGA)	O
4	800*600	37.879	60.317	40.000	VESA(SVGA)	O
5	800*600	46.875	75.000	49.500	VESA(SVGA)	O
6	1024*768	48.363	60.004	65.000	VESA(XGA)	O
7	1024*768	56.476	70.069	75.000	VESA(XGA)	O
8	1024*768	60.023	75.029	78.750	VESA(XGA)	O
9	1280*768	47.776	59.870	79.500	VESA(WXGA)	O
10	1360*768	47.712	60.015	85.500	VESA(WXGA)	O
11	1366*768	47.13	59.65	72.00		
DTV						
1	720*576	31.25	50.00	27.00	SDTV576p	
2	720*480	31.47/31.50	59.94/60.00	27.00	SDTV 480p	
3	1280*720	44.96/45.00	59.94/60.00	74.25	HDTV 720P	
4	1280*720	37.50	50.00	74.25	HDTV 720P	
5	1920*1080	33.72/33.75	59.94/60.0	74.25	HDTV 1080i	
6	1920*1080	28.125	50.00	74.25	HDTV 1080i	
7	1920*1080	26.97/27.00	23.976/24.00	74.1757/74.25	HDTV 1080P	
8	1920*1080	33.716/33.750	29.97/30.00	74.1762/74.25	HDTV 1080P	
9	1920*1080	56.25	50.00	148.50	HDTV 1080P	
10	1920*1080	67.43/67.50	59.94/60.00	148.50	HDTV 1080P	

ADJUSTMENT INSTRUCTION

1. Application Object

These instructions are applied to all of the 32" LCD TV, LB73B Chassis

2. Notes

(1) Because this is not a hot chassis, it is not necessary to use an isolation transformer. However, the use of isolation transformer will help protect test equipment.
(2) Adjustments must be done in the correct order.
(3) The adjustments must be performed in the circumstance of 25±5°C of temperature and 65±10% of relative humidity if there is no specific designation.
(4) The input voltage of the receiver be must kept 220V~, 60Hz when adjusting.
(5) The receiver must be operational for about 15 minutes prior to the adjustments.

* Perform preliminary operation after receiving 100% White Pattern (06CH).(or 8. White Pattern status of Ez-Adjust)

* How to enter White Pattern
1) Press the POWER ON key on the adjustment remote control or press the ADJ key on the adjustment remote control to enter Ez-Adjust.
2) Select the '10.Test Pattern' using the CH + / - key and then select White using the arrow keys to display the 100% FULL WHITE PATTERN.
- In this mode, It is possible to heat run the set without separate signal generator.

Caution : When you keep the still screen on for more than 20 minutes (Especially internal digital pattern (13 CH), Cross Hatch Pattern (09CH) with higher black/white contrast), be careful not to create residual image on the black level part.

3. EDID(The Extended Display Identification Data) /DDC(Display Data Channel) Download

3-1. Synopsis

This has been established by VESA and is the function created to "Plug and Play" by making the computer reconfigure user environment through communication with the monitor automatically without having the user set commands directly to the PC or the monitor so that the user can use it immediately.

* When writing EDID, use DDC2B protocol.

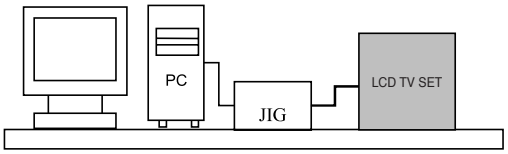
3-2. HDMI EDID Data Input

(1) Required Test Equipment

1) PC, Jig for adjusting DDC. (PC serial to D-sub Connection equipment)
2) S/W for writing DDC (EDID data write & read)
3) D-Sub cable
4) Jig for HDMI Cable connection

(2) Adjustment preparation & device configuration

1) Configure as Fig. 1, and turn on the PC and JIG.
2) Run the DDC recording S/W (EDID Data Write & Read). (Execute in DOS mode)



<Fig. 1> Connection Diagram of CPLD Download

3-3. EDID DATA

(1) EDID for HDMI-1 (DDC (Display Data Channel) Data)

	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
0	00	FF	FF	FF	FF	FF	FF	00	1E	6D	01	00	01	01	01	01
10	00	11	01	03	80	73	41	96	0A	CF	74	A3	57	4C	B0	23
20	09	48	4C	AF	CE	00	31	40	45	40	61	40	81	80	A9	40
30	D1	C0	01	01	01	01	66	21	50	B0	51	00	1B	30	40	70
40	36	00	C4	8E	21	00	00	1A	02	3A	80	18	71	38	2D	40
50	58	2C	45	00	C4	8E	21	00	00	1E	00	00	00	FD	00	30
60	58	1F	64	11	00	0A	20	20	20	20	20	20	00	00	00	FC
70	00	4C	47	20	54	56	0A	20	20	20	20	20	20	20	01	00

	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
0	02	03	1E	F1	4E	20	22	10	1F	01	02	03	04	05	12	93
10	14	07	16	23	15	07	50	66	03	0C	00	10	00	80	01	1D
20	00	72	51	D0	1E	20	6E	28	55	00	C4	8E	21	00	00	1E
30	01	1D	80	18	71	1C	16	20	58	2C	25	00	C4	8E	21	00
40	00	9E	8C	0A	D0	90	20	40	31	20	0C	40	55	00	4C	6C
50	42	00	00	18	01	1D	00	BC	52	D0	1E	20	B8	28	55	40
60	C4	8E	21	00	00	1E	01	1D	80	D0	72	1C	16	20	10	2C
70	25	80	C4	8E	21	00	00	9E	00	00	00	00	00	00	00	58

(2) EDID for HDMI-2 (DDC (Display Data Channel) Data)

	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
0	00	FF	FF	FF	FF	FF	FF	00	1E	6D	01	00	01	01	01	01
10	00	11	01	03	80	73	41	96	0A	CF	74	A3	57	4C	B0	23
20	09	48	4C	AF	CE	00	31	40	45	40	61	40	81	80	A9	40
30	D1	C0	01	01	01	01	66	21	50	B0	51	00	1B	30	40	70
40	36	00	C4	8E	21	00	00	1A	02	3A	80	18	71	38	2D	40
50	58	2C	45	00	C4	8E	21	00	00	1E	00	00	00	FD	00	30
60	58	1F	64	11	00	0A	20	20	20	20	20	20	00	00	00	FC
70	00	4C	47	20	54	56	0A	20	20	20	20	20	20	20	01	00

	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
0	02	03	1E	F1	4E	20	22	10	1F	01	02	03	04	05	12	93
10	14	07	16	23	15	07	50	66	03	0C	00	20	00	80	01	1D
20	00	72	51	D0	1E	20	6E	28	55	00	C4	8E	21	00	00	1E
30	01	1D	80	18	71	1C	16	20	58	2C	25	00	C4	8E	21	00
40	00	9E	8C	0A	D0	90	20	40	31	20	0C	40	55	00	4C	6C
50	42	00	00	18	01	1D	00	BC	52	D0	1E	20	B8	28	55	40
60	C4	8E	21	00	00	1E	01	1D	80	D0	72	1C	16	20	10	2C
70	25	80	C4	8E	21	00	00	9E	00	00	00	00	00	00	00	48

(3) EDID for HDMI-3 (DDC (Display Data Channel) Data)

	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
0	00	FF	FF	FF	FF	FF	FF	00	1E	6D	01	00	01	01	01	01
10	00	11	01	03	80	73	41	96	0A	CF	74	A3	57	4C	B0	23
20	09	48	4C	AF	CE	00	31	40	45	40	61	40	81	80	A9	40
30	D1	C0	01	01	01	01	66	21	50	B0	51	00	1B	30	40	70
40	36	00	C4	8E	21	00	00	1A	02	3A	80	18	71	38	2D	40
50	58	2C	45	00	C4	8E	21	00	00	1E	00	00	00	FD	00	30
60	58	1F	64	11	00	0A	20	20	20	20	20	20	00	00	00	FC
70	00	4C	47	20	54	56	0A	20	20	20	20	20	20	20	01	00

	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
0	02	03	1E	F1	4E	20	22	10	1F	01	02	03	04	05	12	93
10	14	07	16	23	15	07	50	66	03	0C	00	30	00	80	01	1D
20	00	72	51	D0	1E	20	6E	28	55	00	C4	8E	21	00	00	1E
30	01	1D	80	18	71	1C	16	20	58	2C	25	00	C4	8E	21	00
40	00	9E	8C	0A	D0	90	20	40	31	20	0C	40	55	00	4C	6C
50	42	00	00	18	01	1D	00	BC	52	D0	1E	20	B8	28	55	40
60	C4	8E	21	00	00	1E	01	1D	80	D0	72	1C	16	20	10	2C
70	25	80	C4	8E	21	00	00	9E	00	00	00	00	00	00	00	38

(4) EDID for RGB

	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
0	00	FF	FF	FF	FF	FF	FF	00	1E	6D	01	00	01	01	01	01
10	0E	11	01	03	18	73	41	96	0A	CF	74	A3	57	4C	B0	23
20	09	48	4C	AF	CF	00	31	40	45	40	61	40	81	80	A9	40
30	D1	C0	01	01	01	01	66	21	50	B0	51	00	1B	30	40	70
40	36	00	C4	8E	21	00	00	1A	02	3A	80	18	71	38	2D	40
50	58	2C	45	00	C4	8E	21	00	00	1E	00	00	00	FD	00	30
60	58	1F	64	11	00	0A	20	20	20	20	20	20	00	00	00	FC
70	00	4C	47	20	54	56	0A	20	20	20	20	20	20	20	01	59

	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
0	02	03	04	00	0E	1F	00	80	51	00	1E	30	40	80	37	00
10	C4	8E	21	00	00	1C	00	00	00	00	00	00	00	00	00	00
20	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
30	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
40	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
50	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
60	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
70	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	25

4. MST3361M-Set Adjustment

4-1. Synopsis

The Component 480i/1080p RGB 1080p adjustment sets the optimal black level and gain automatically from the analog => digital converter, and is the function to correct the RGB deviation.

4-2. Test Equipment

Adjustment remote controller, 801GF (802B, 802F, 802R), MSPG925FA, MSPG-1025D Pattern Generator (480i/1080P Horizontal 60Hz Color Bar Pattern output must be possible and output level must be adjusted accurately to 0.7±0.1Vp-p.)

(Fig. 2) Adjust Pattern :100% 8 Color Bar Pattern

4-3. Adjustment

(1) How to adjustment the Component1

1) Input color bar pattern of 480i 60Hz mode that is supported to Component 1 input and select 'Component 1'.
2) After receiving signal for at least 1 second, press the ADJ Key on the Service R/C to enter the 'Ez - Adjust' and select the '1. ADC 480i Comp1'. Press the Vol+ Key to adjust the component1.
3) When the adjustment is completed normally, a message saying "ADC Component1 Success" is displayed and when the adjustment is not completed normally, a message saying 'ADC Component1 480i Fail' is displayed.
4) When the component is not connected, a message saying 'Component1 Not Connected', when the input format is not 480i, a message saying 'Not Valid Format' and when the input signal is not coming out, a message saying 'Check Signal Status' is displayed for 1 second.

(2) How to adjustment the Component2, RGB

1) Input color bar pattern of 1080p 60Hz mode that is supported to Component 2, RGB input and select 'Component 2'.
2) After receiving signal for at least 1 second, press the ADJ Key on the Service R/C to enter the 'Ez-Adjust' and select the '2. Adjust 1080p Comp2/ RGB'. Press the Vol+ key to adjust the component 2.
3) When the adjustment is completed normally, a message saying 'ADC Component2 Success' is displayed. and when the adjustment is not completed normally, a message saying 'ADC Component2 1080p Fail' is displayed.
4) When the adjustment is not normally completed, make the adjustment again after checking the pattern or adjustment condition. The error message is as 4-3/ (1)/ 4).
5) After adjustment is complete, exit the adjustment mode by pressing the ADJ KEY.1

5. Adjustment of White Balance

5-1. Required Equipment

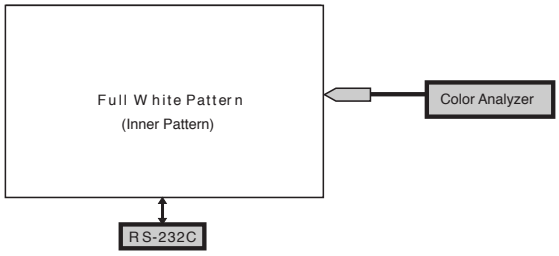
(1) Color analyzer : CA-210(CH 9)
- When you adjust LCD color temperature, on color analyzer (CA-210), you should use Channel 9 which is Matrix compensated (White, Red, Green, Blue revised) by CS-1000 and adjust in accordance with White balance adjustment coordinate which is specified on the next.

(2) Automatic adjustor (with automatic adjustment hour necessity and the RS-232C communication being possible. Baud Rate = 115200)

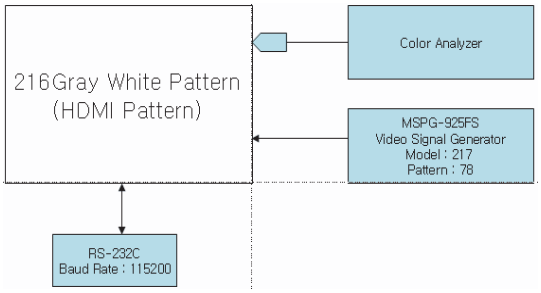
(3) Video Signal Generator MSPG-925F 720p, 216 Gray (Model : 217, Pattern : 78)

5-2. Measuring device connection diagram

(Automatic Adjustment)



<Fig. 3> Connection diagram for internal pattern



<Fig. 4> Connection diagram for HDMI input

5-3. White Balance adjustment method

Basically it uses the internal pattern but when internal pattern is not possible, you can select HDMI input for adjustment. Through the option at the most bottom part of the Ez Adjust Menu 5.White Balance menu, you can select NONE, INNER, HDMI, and the default is set to INNER. When the adjustment cannot be done with the internal pattern, you can select HDMI input for adjustment.

For manual adjustment, press the ADJ KEY of the adjustment R/C to enter Ez Adjust 6.White-Balance, and the pattern is automatically displayed. (When you set the Option to INNER, the default is always set to INNER)

1) Connect the set according to the internal pattern or HDMI input in accordance with 5.2 measuring device connection diagram.
2) Set the Baud Rate of RS-232C to 115200. It is set to 115200 as default.
3) Connect the RS-232C Cable to the set.
4) Connect the HDMI Cable to the set. (Limited to the set with HDMI option)
5) Select and adjust the model applicable to LB73B chassis from the adjuster.

Caution) When you adjust automatically, RS-232C Command is used.

RS-232C Command [CMD ID DATA]			Remark
wb	00	00	Start white balance adjustment
wb	00	10	Start Gain adjustment(Internal white pattern)
wb	00	1f	End Gain adjustment
wb	00	20	Start Offset adjustment (Internal white pattern)
wb	00	2f	End Offset adjustment
wb	00	ff	End white Balance adjustment (Internal pattern disappear)

Wb 00 00 Start automatic adjustment of white balance
Wb 00 10 Start gain adjustment (Internal pattern)
Ja 00 ff Adjustment data
Jb 00 c0
…
Wb 00 1f End gain adjustment
* Adjust offset as necessary (wb 00 20(Start), wb 00 2f(End))
Wb 00 ff End automatic adjustment of white balance (Internal pattern disappears)

Caution) Adjustment map

	RS-232C COMMAND [CMD ID DATA]			Min	CENTER (DEFAULT)(Hex)			Max
	Cool	Mid	Warm		Cool	Mid	Warm	
R Gain	jg	ja	jd	00	192	192	192	192
G Gain	jh	jb	je	00	192	192	192	192
B Gain	ji	jc	jf	00	192	192	192	192
R Cut					64	64	64	127
G Cut					64	64	64	127
B Cut					64	64	64	127

* White Balance adjustment (For automatic adjustment)
- Execute Power Only Key of the adjustment R/C to execute automatic adjustment. Set the Baud Rate to 115200.
- Always start adjustment with “wb 00 00” and end adjustment with “wb 00 ff”
- Adjust the offset if necessary.

5-4. Adjustment of White Balance

(For manual adjustment)

(1) Required Equipment

: When adjusting the LCD white balance, use CS-1000 as the color analyzer (CA-210) and channel 9 corrected of Matrix (corrected for White, Red, Green, Blue) and the adjustment must be done in accordance with the below White balance adjustment coordinate.

(2) Sequence

1) Press the ADJ of adjustment adjustment remote control to enter 'EZ-ADJUST'.
2) Select 9.TEST PATTERN using the CH + / - KEY and press the Enter KEY to execute a heat run for more than 30 minutes.
3) Execute a Zero Calibration for CA-210 and put it at distance of less than 10Cm from the LCD module surface center during the adjustment.
4) Press the ADJ of adjustment remote control, select '6.White-Balance' of 'Ez – Adjust' and enter the adjustment mode using the right key (►).
   (When you press the ► button, the screen enters the full white internal pattern.)
5) The adjustment is executed in 3 different white balance of COOL, MEDIUM and WARM.
2) In case that White balance is COOL.
   - Fix R-Cut/ G-Cut/ B-Cut to 64 and adjust the color coordinates t downward.

   In case that White balance is Medium.
   - Fix R-Cut/ G-Cut/ B-Cut to 64 and adjust the color coordinates t downward.

   In case that White balance is Warm
   - Fix R-Cut/ G-Cut/ B-Cut to 64 and adjust the color coordinates t downward.
   - Adjust by using Vol ± key.
4) When the adjustment is completed, press the OK (■) key button to move to the Ez –Adjust screen. Press the ADJ KEY to exit the adjustment mode.

* Note : White Balance adjustment coordinate and white balance
  1) Standard white balance standard white balance coordinate when using CS-1000 device
     COOL : T=11000K, Δuv=0.000, x=0.276, y=0.283
     MEDIUM : T=9300K, Δuv=0.000, x=0.285, y=0.293
     WARM : T=6500K, Δuv=0.000, x=0.313, y=0.329
  2) Directed color coordinate when using CA-210 CH 9
     * Brightness: Full white 216gray

Color temperature	Color analyzer	Color coordinate	
		X	Y
COOL	CA-210	0.276 ± 0.002	0.283 ± 0.002
MEDIUM	CA-210	0.285 ± 0.002	0.293 ± 0.002
WARM	CA-210	0.313 ± 0.002	0.329 ± 0.002

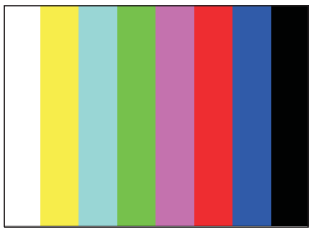
6. Video Set adjustment

6-1. Synopsis

This is a adjustment to reduce the color difference of RF, video signal.

6-2. Analog RF and AV-PAL Adjustment

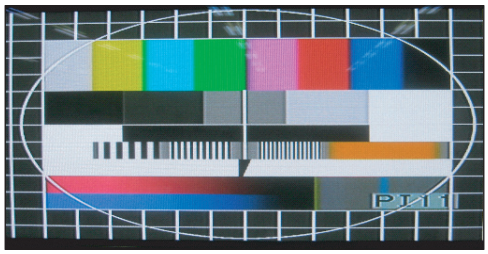
1) Connect the Video Signal Generator (Master) to TV AV input terminal with AV output. At this time, when you enter the input pattern as Model : 202(PAL), Pattern : 33(100% color Bar), the following video is displayed on the screen.



<Fig 5> Model : 202(PAL), Pattern 33(100% color Bar)

* Because the above pattern can differ by the model and pattern for each device, you must check the pattern first.

2) When the receiving signal is confirmed after inputting the internal signal, press the ADJ key on the adjustment remote control to enter 'EZ-ADJUST'. Select '3.Adjust RF and Video' and press the right key (►) to enter the adjustment mode.
3) When you enter the adjustment mode, the video is automatically set to TV 3CH and the following window is displayed.

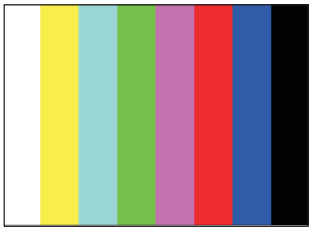


<Fig 6>

4) When the adjustment is completed, a message saying 'RF Configuration Success' is displayed. If the adjustment has failed, a message saying 'RF Configuration Fail' is displayed.
5) When the automatic adjustment of RF signal is completed, it is automatically switched to the AV1 Mode, and automatic adjustment for Video Mode is done. When the automatic adjustment is completed, a message saying 'AV-PAL Configuration Success' is displayed. If the adjustment has failed, a message saying 'AV-PAL Configuration Fail' is displayed.

6-3. AV NTSC adjustment

1) Connect the Video Signal Generator (Master) to AV input terminal with AV output. At this time, when you enter the input pattern as Model : 201(NTSC), Pattern : 33(100% color Bar), the following video is displayed on the screen.



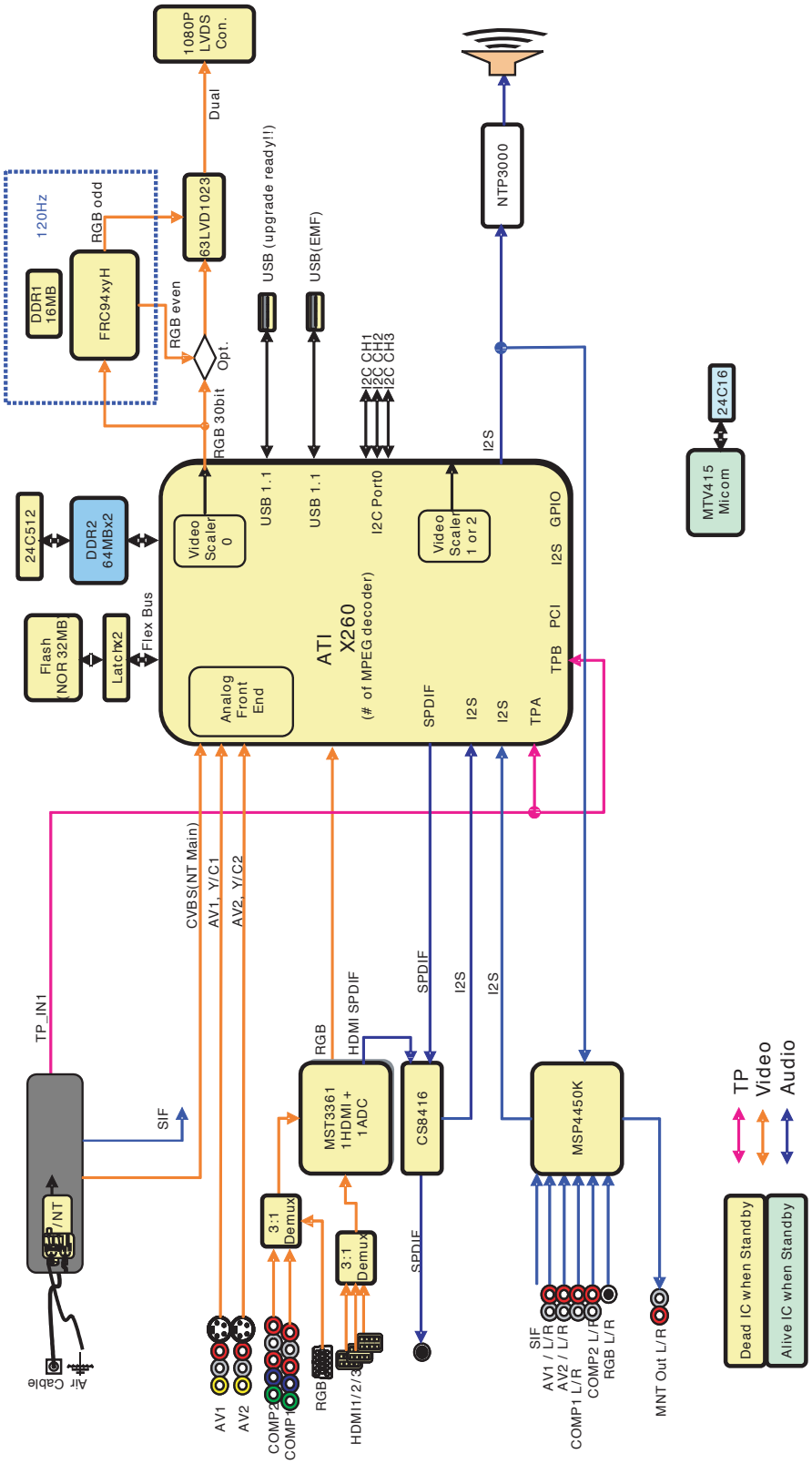
<Fig 6> Model : 201(NTSC), Pattern 33(100% color Bar)

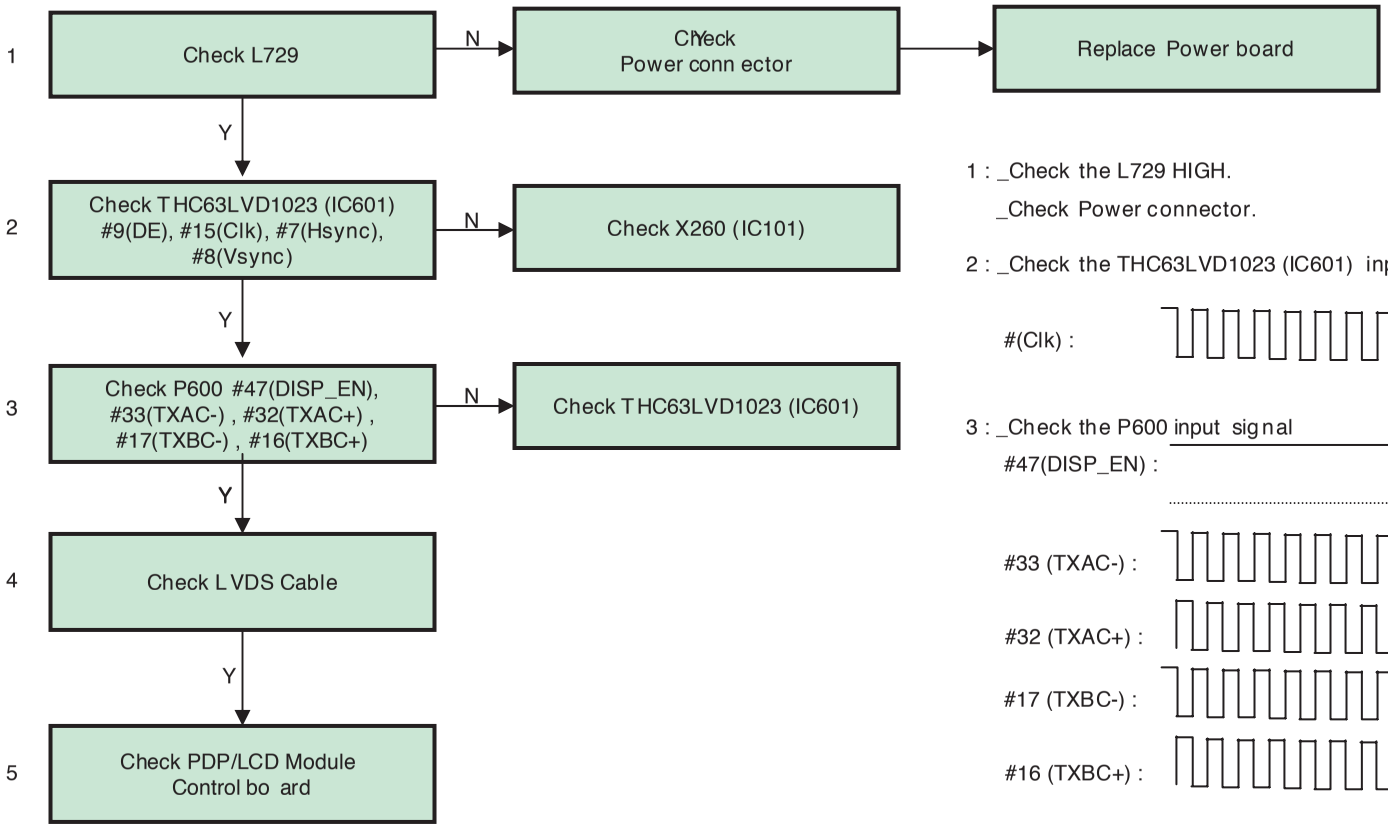
2) Press the ADJ key on the adjustment remote control to enter 'EZ-ADJUST'. Select '4.Adjust AV_NTSC' and press the right key (►) to enter the adjustment mode.
3) When the adjustment is completed, a message saying 'AV-NTSC Configuration Success' is displayed. If the adjustment has failed, a message saying 'AV-NTSC Configuration Fail' is displayed.

TROUBLESHOOTING

1. VIDEO

(1) NO OSD(FHD)





1 : _Check the L729 HIGH.
_Check Power connector.

2 : _Check the THC63LVD1023 (IC601) input signal

#(Clk) : 74.25MHz

3 : _Check the P600 input signal

#47(DISP_EN) : 3.3V / GND

#33 (TXAC-) : 74.25MHz

#32 (TXAC+) : 74.25MHz

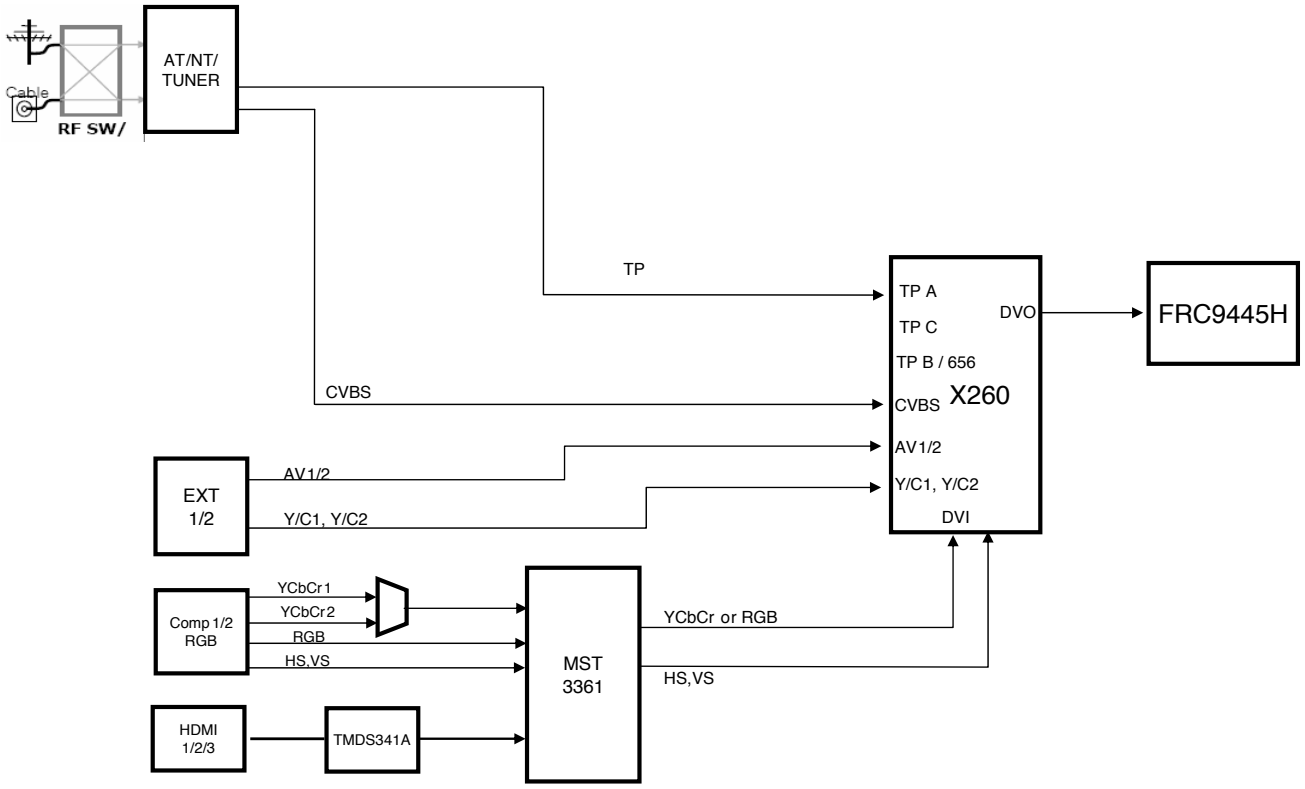
#17 (TXBC-) : 74.25MHz

#16 (TXBC+) : 74.25MHz

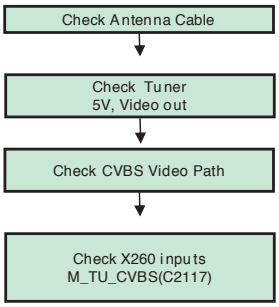
4 : _Check the LVDS Cable

5 : _Check the PDP Modul e control bo ard

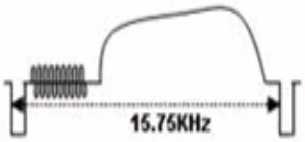
(2) VIDEO PATH

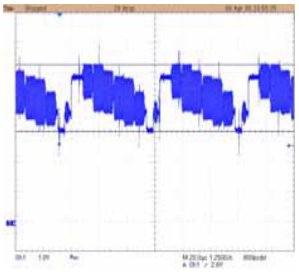


(3) RF MODE

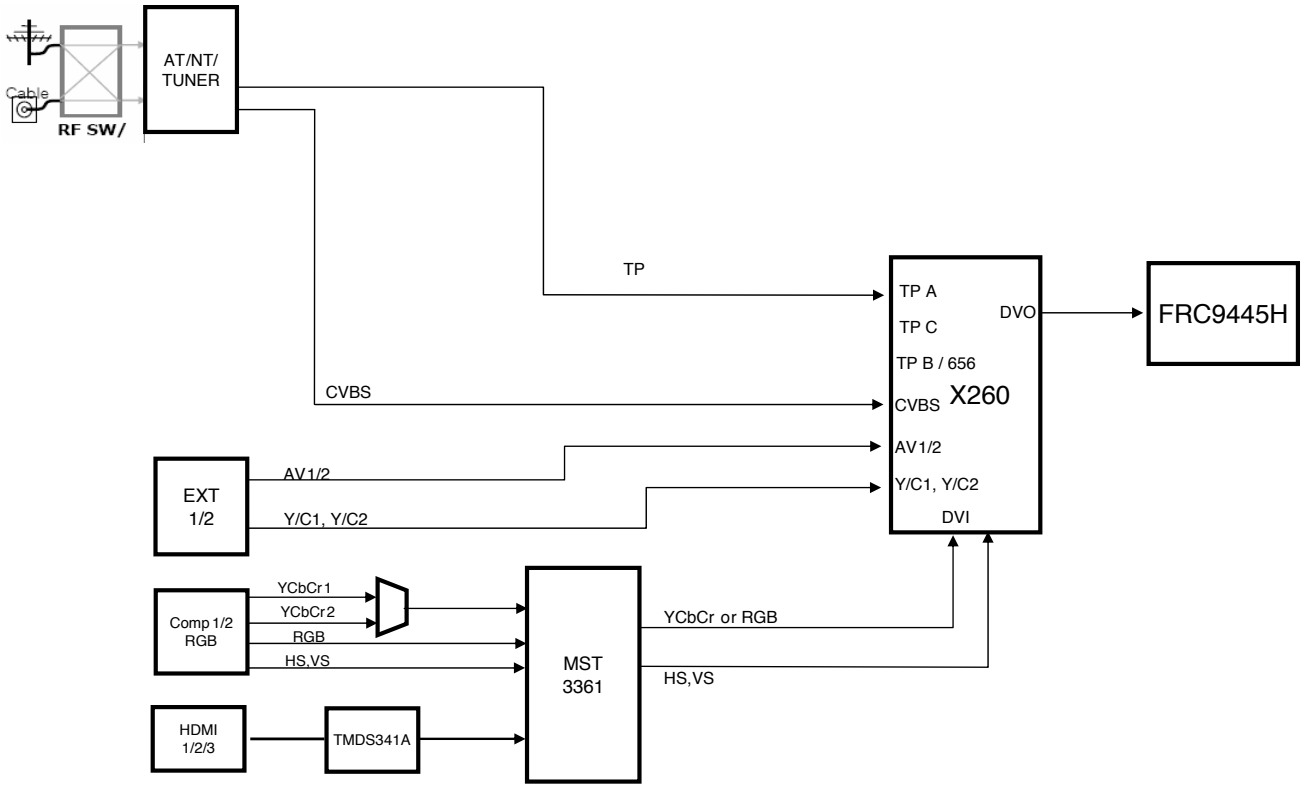


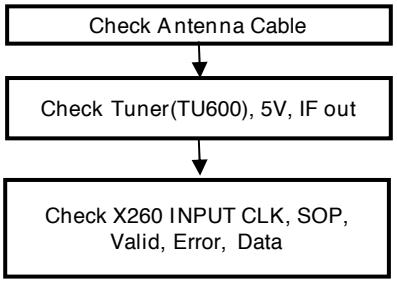
1 : _Check Tuners Vcc and Video out





(4) DTV / CADTV



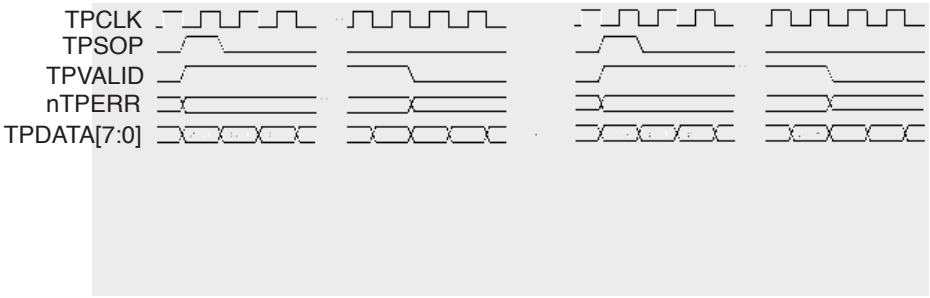


1 : _Check Antenna cable(RF switch, Tuners...)

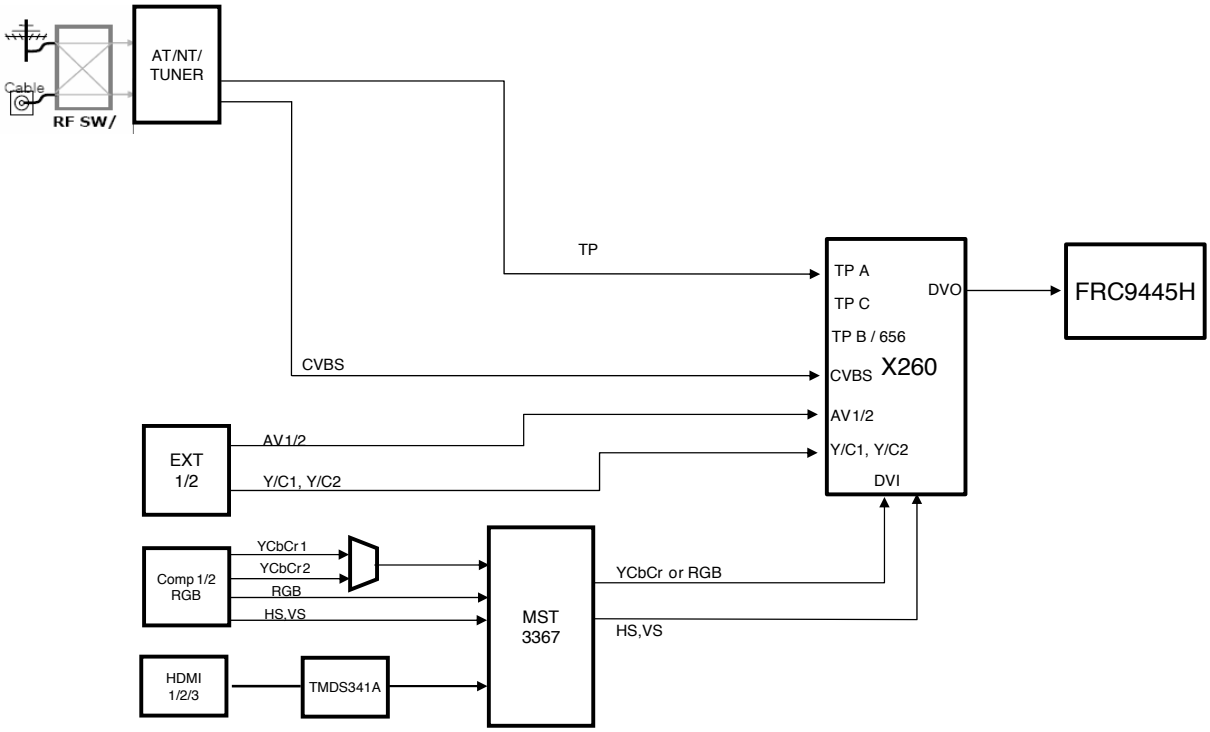
2 : _Check Tuners Vcc and IF out

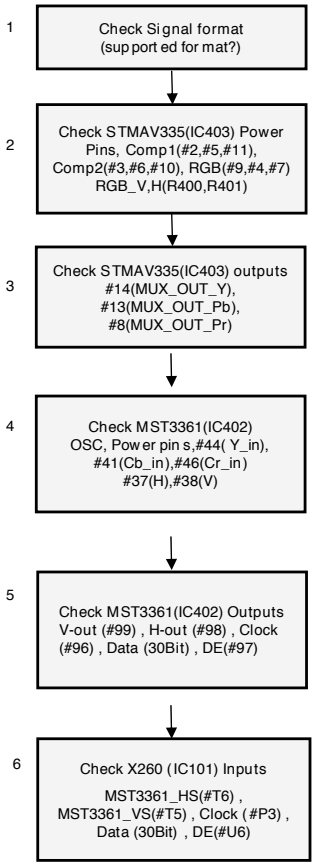
Seems to noise

3._ Check X260 Input (CLK, SOP, Valid, Error, Data)



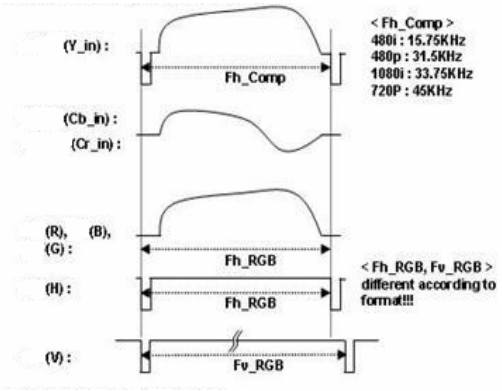
(5) COMPONENT / RGB





1. Check Signal format (ref. owenris manual)

2. Check STMAV335(IC403) Power Input Signal

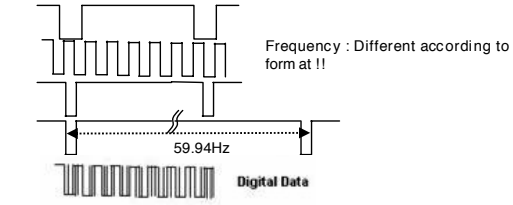


3 : Check STMAV335(IC403) outputs

Signal shape is same (above)

4 : _Check MST3361(IC402) Power pins, Input Signals, Signal Shape is Same (above)

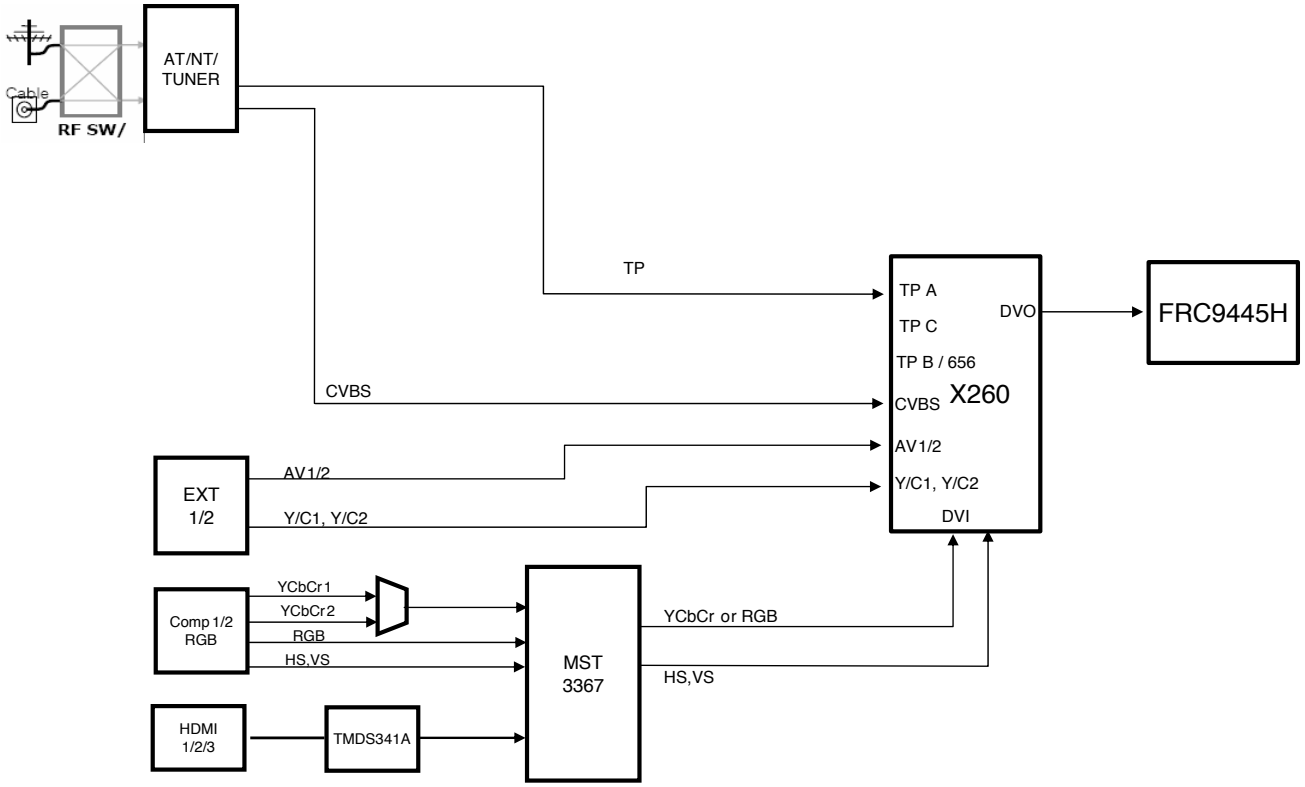
5 : _Check the MST3361(IC402) Output Signals

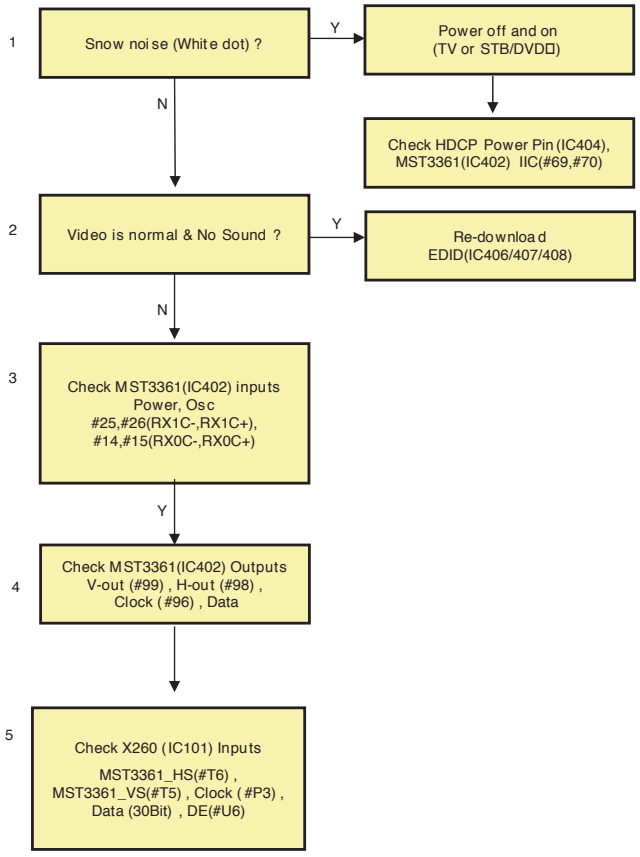


6 : _Check X260 (IC101) Inputs

_Signal shape is same (above)

(6) HDMI / DVI





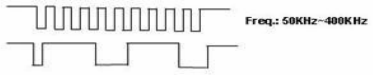
1 : _Check HDCP Error

_Retry power off and on (TV or STB/DVD□)

_Check MST3361(IC402) HDCP IIC line (#69,#70)

SCL :

SDA :

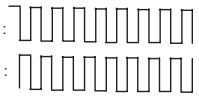


2 : _Check EDID Download

3 : _ MST3361(IC402) inputs

(RX0C-,RX0C+) :

(RX1C-,RX1C+) :



Frequency : Different according to form at !!

4 : _Check MST3361(IC402) Outputs

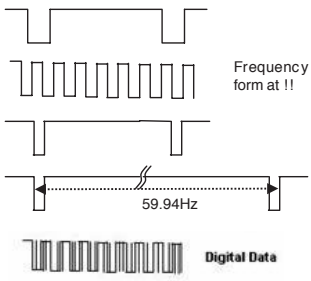
(DE) :

(Clk) :

(Hsync)

(Vsync) :

(Data) :

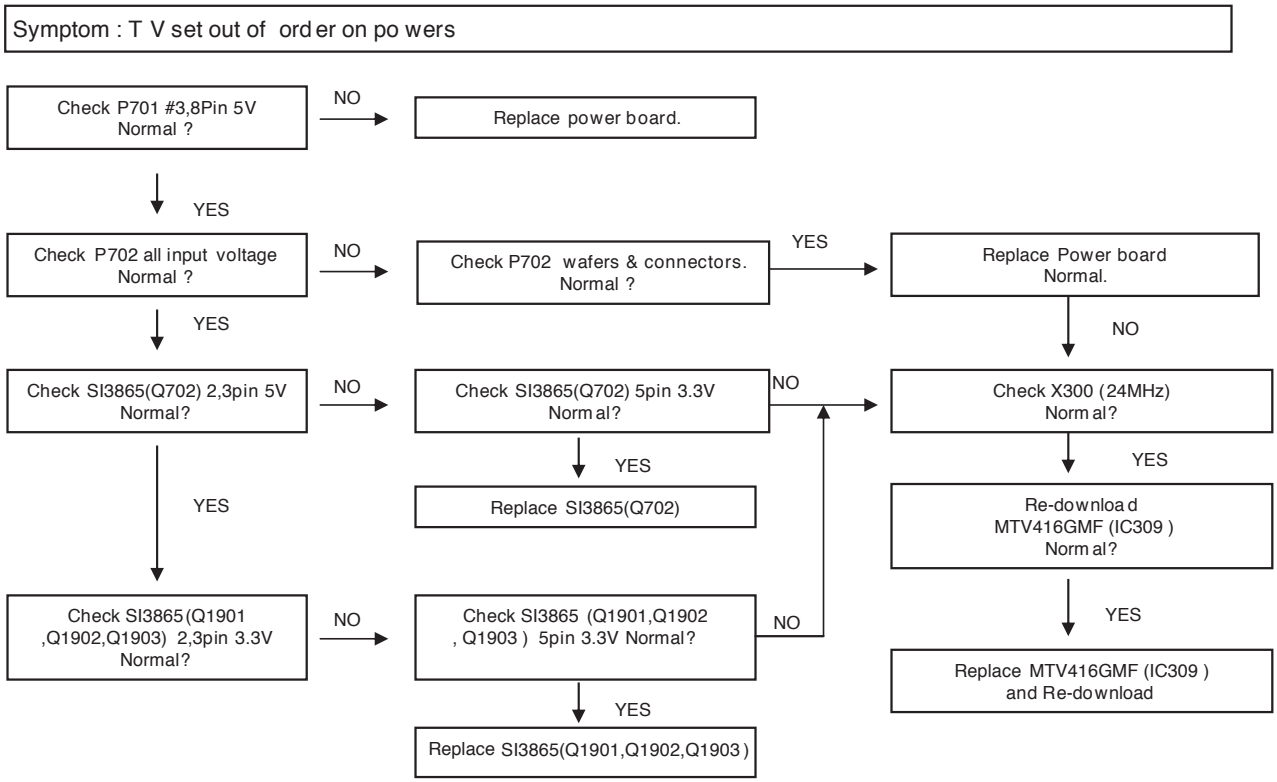


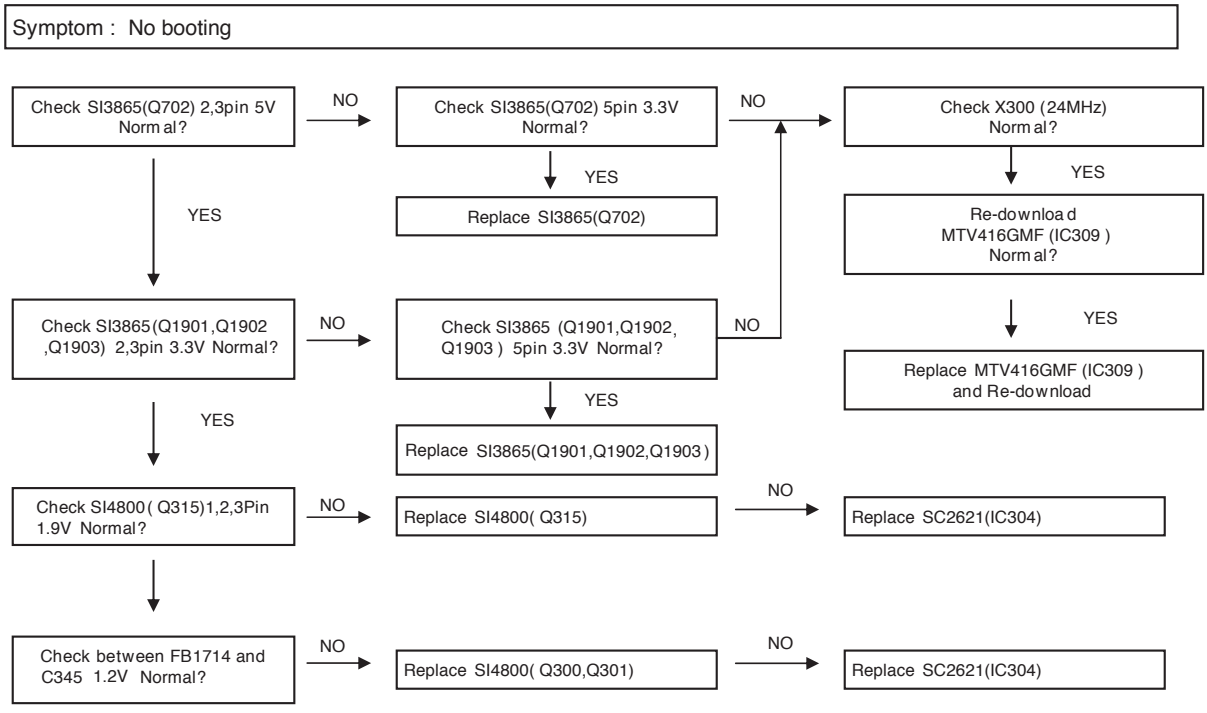
Frequency : Different according to form at !!

5 : _Check X260 (IC101) Inputs

_Signal shape is same (above)

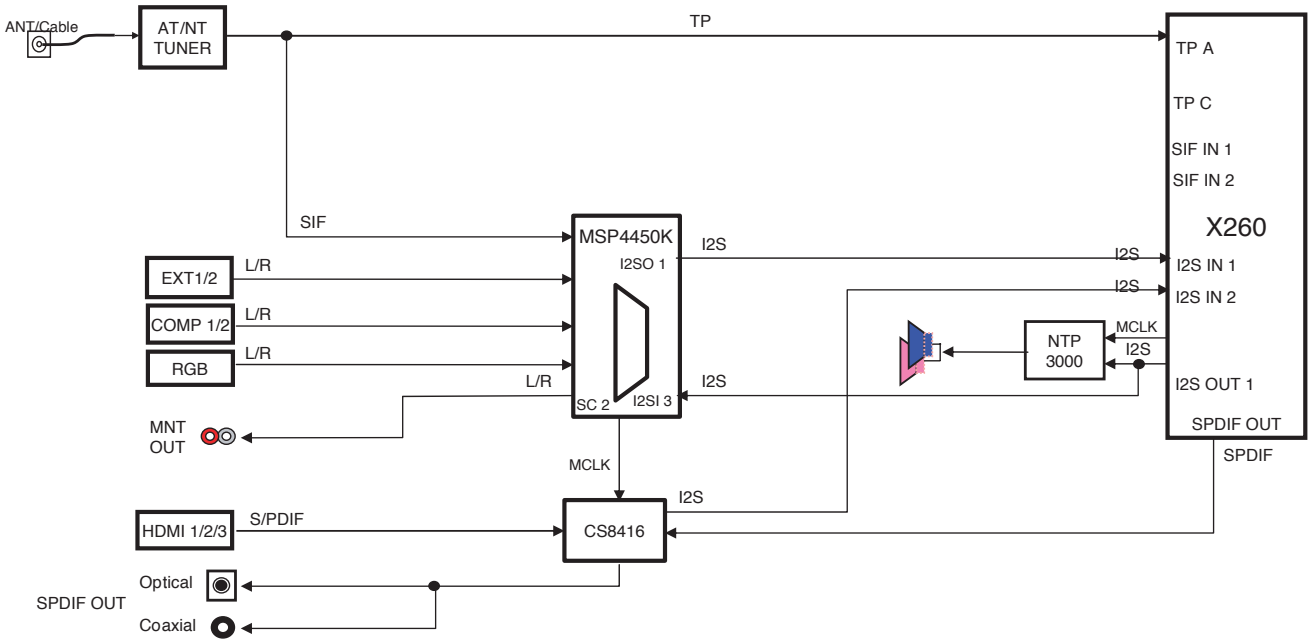
(7) POWER



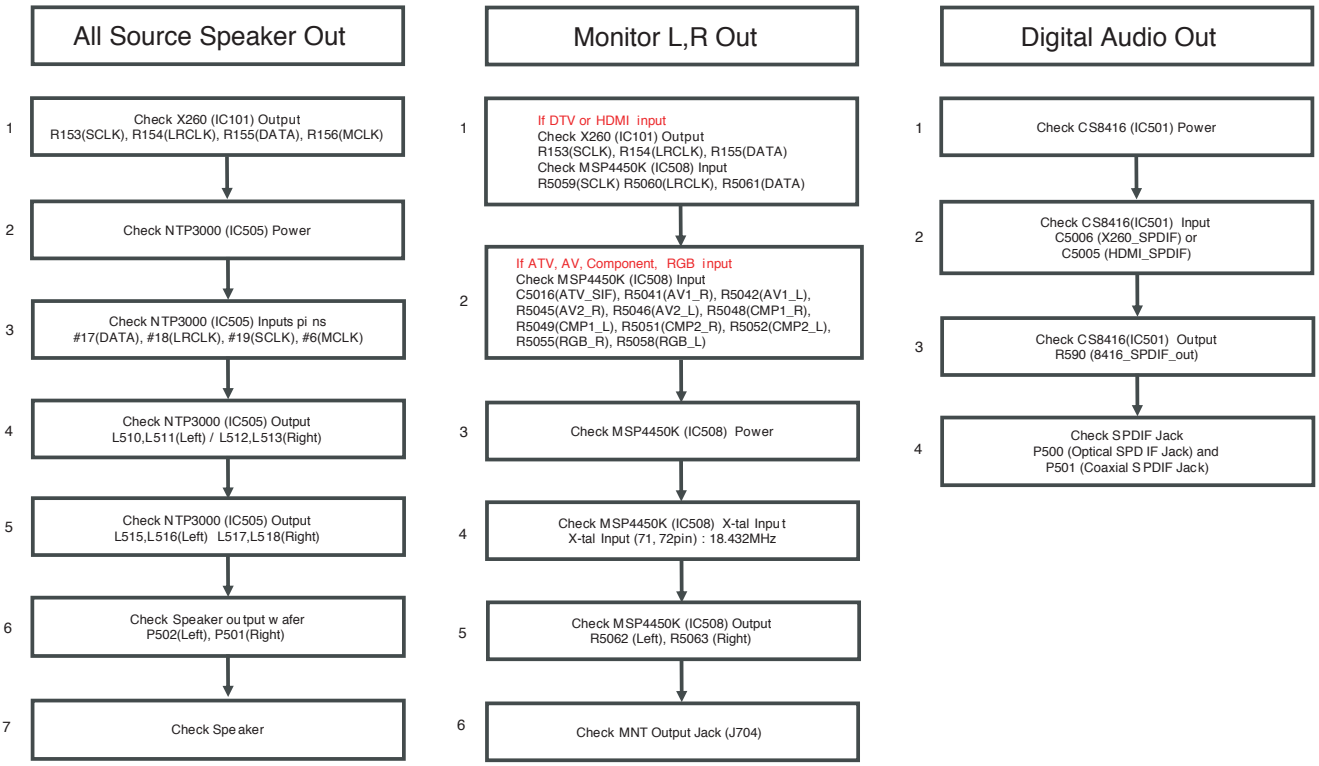


2. AUDIO

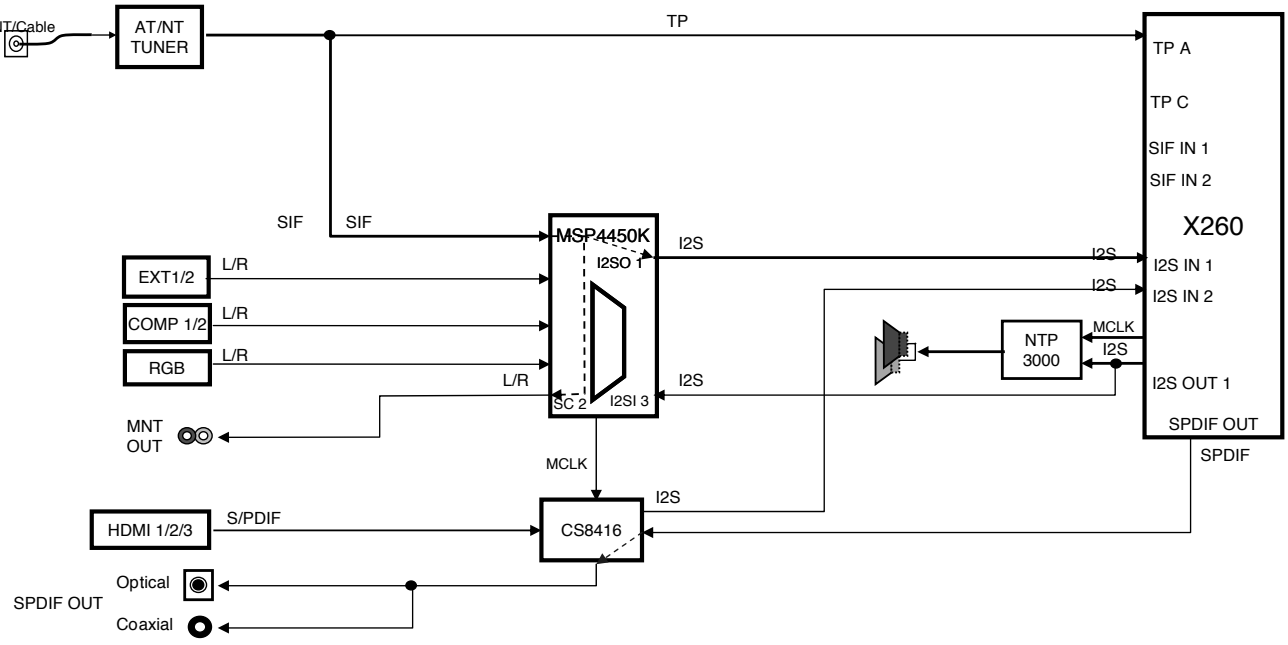
(1) AUDIO ALL PATH

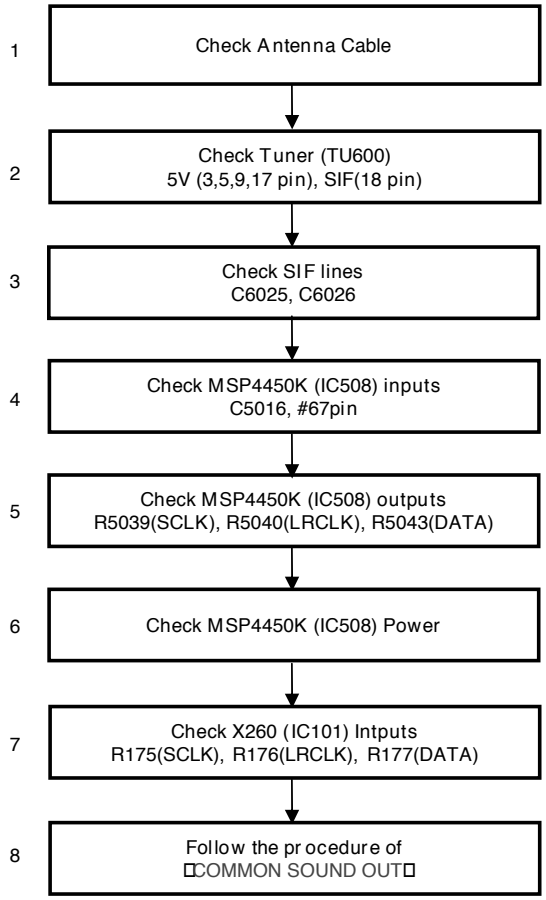


(2) Common Sound Out

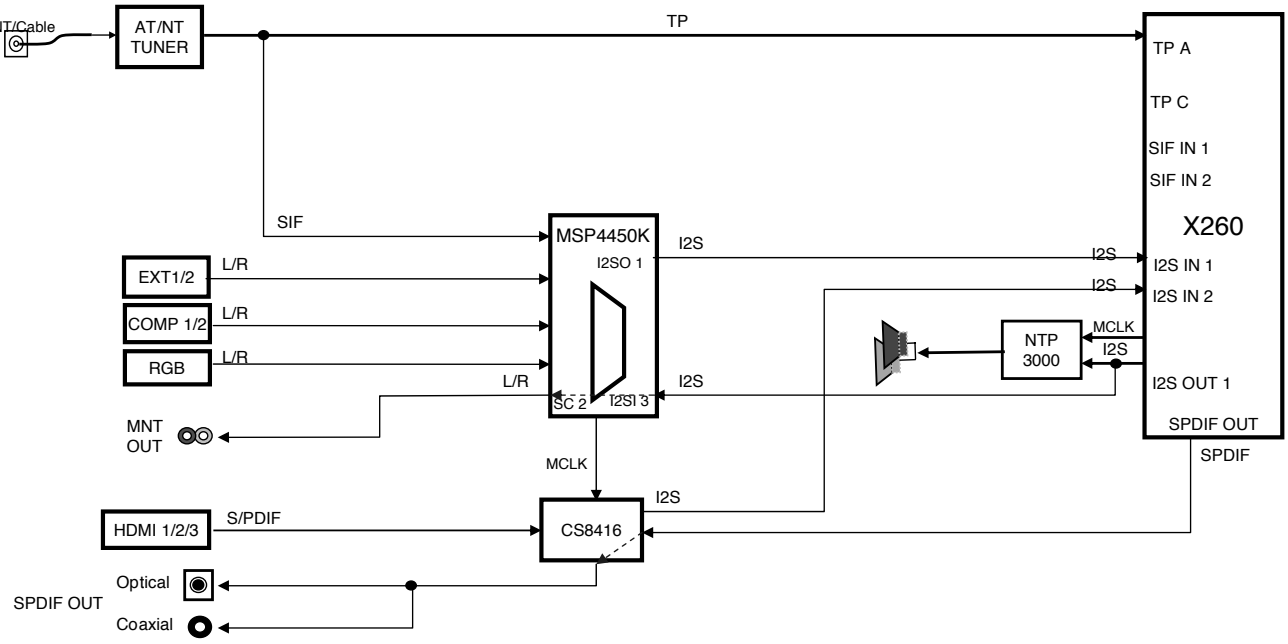


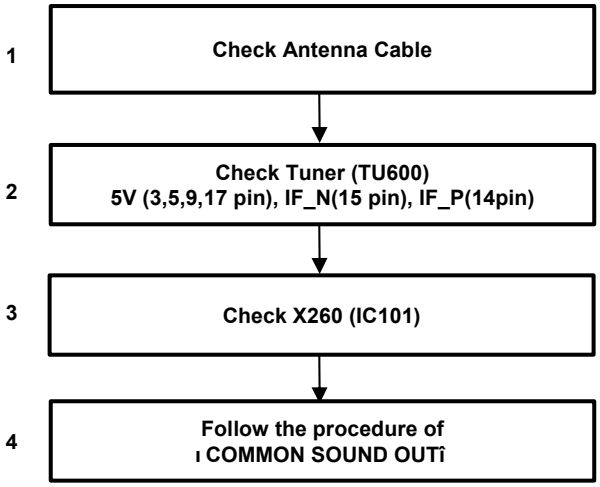
(3) TV RF No Sound



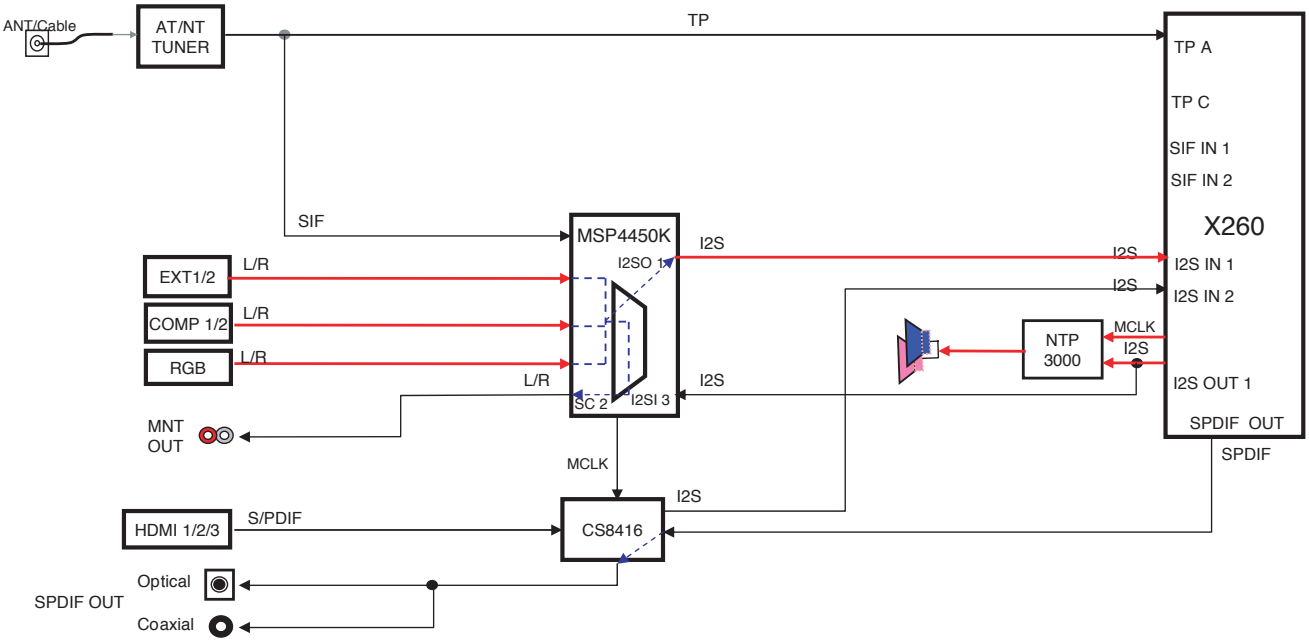


(4) DTV No Sound



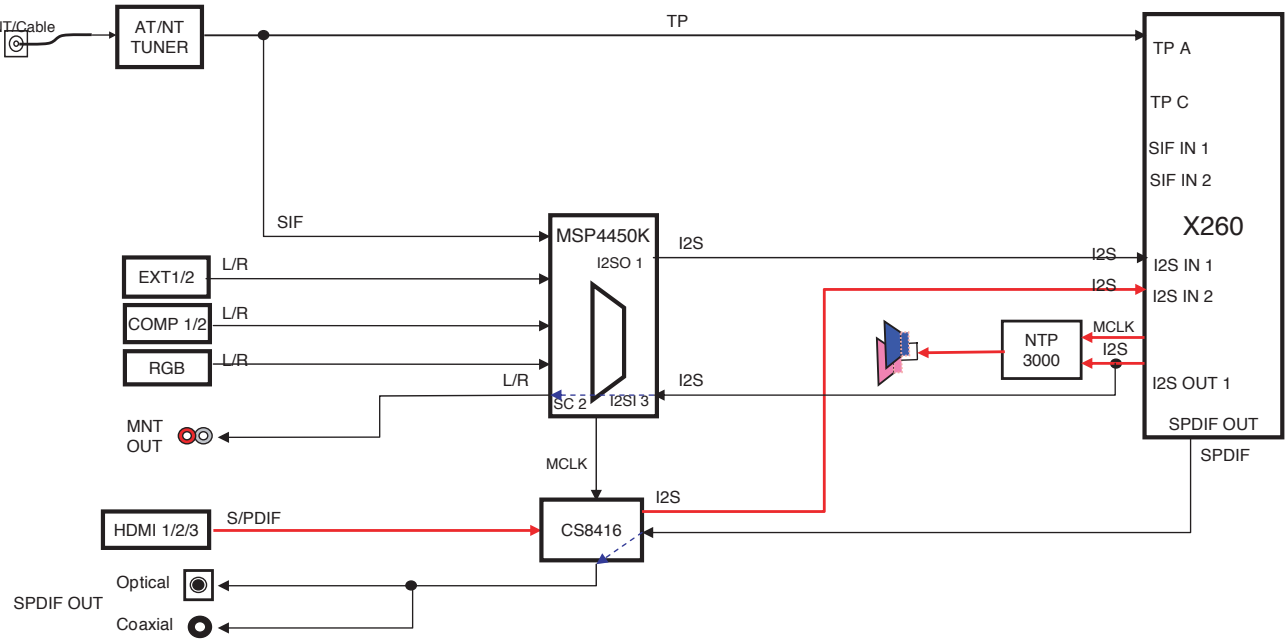


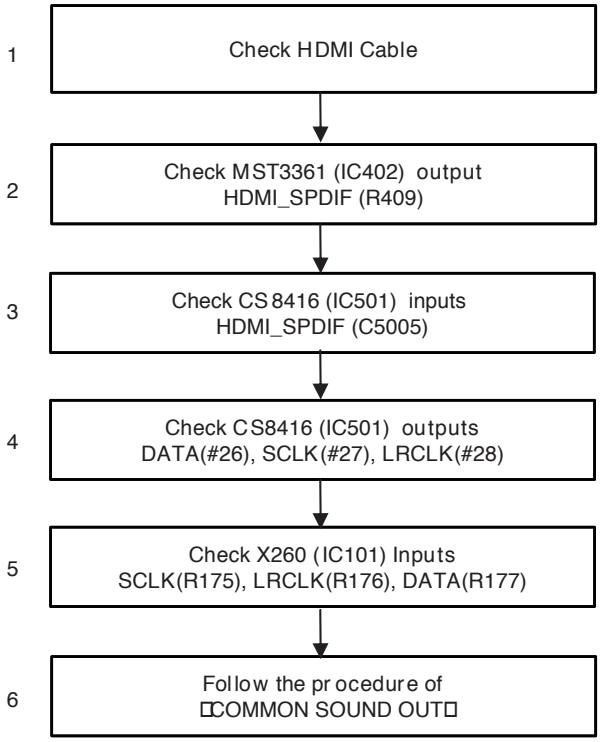
(5) AV / Component / RGB / No Sound



1. **Check AV/COMPONENT/RGB Cable**
2. **Check MSP4450K (IC508) Inputs R5041(AV1_R), 5042(AV1_L), R5045(AV2_R), R5046(AV2_L), R5048(CMP1_R),R5049(CMP1_L), R5051(CMP2_R),5052(CMP2_L), R5055(RGB_R), R5058(RGB_L)**
3. **Check MSP4450K (IC508) outputs R5039(SCLK), R5040(LRCLK), R5043(DATA)**
4. **Check MSP4450K (IC508) Power**
5. **Check MSP4450K (IC508) X-tal Input X-tal Input (71,72pin)**
6. **Check X260 (IC101) Inputs R175(SCLK), R176(LRCLK), R177(DATA)**
7. **Follow the procedure of ı COMMON SOUND OUTî**

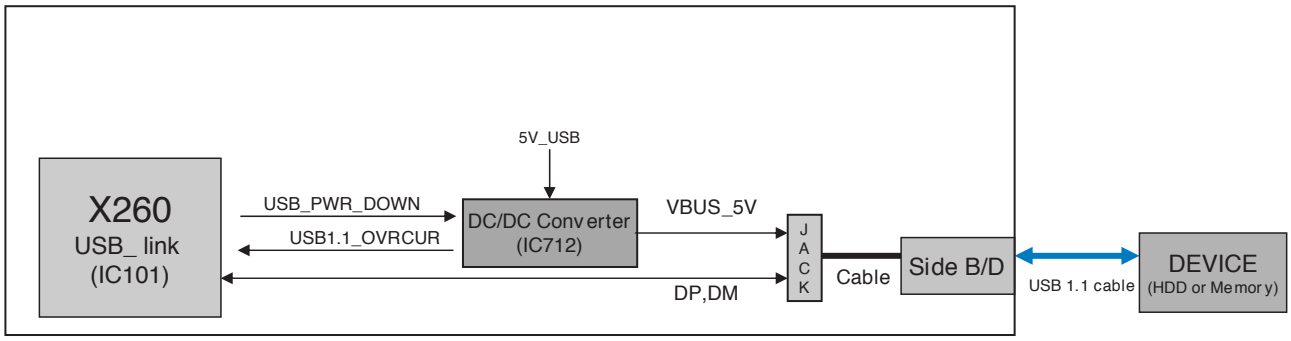
(6) HDMI No Sound



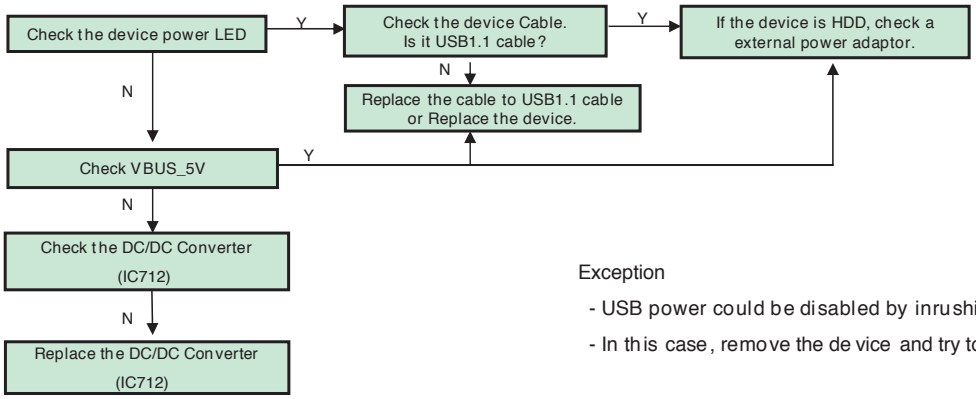


3. USB

1. Block Diagram For EMF



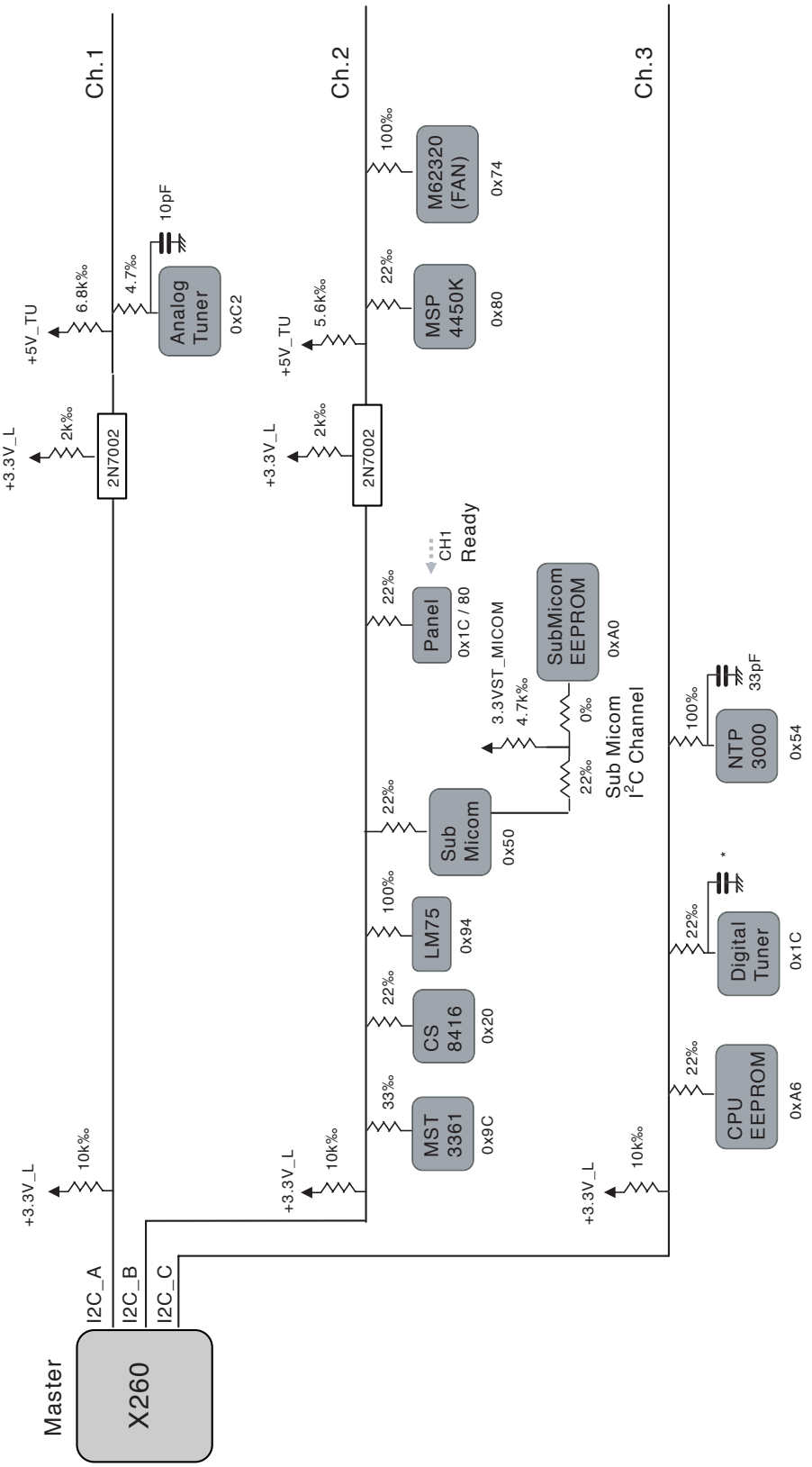
2. Check Sequence



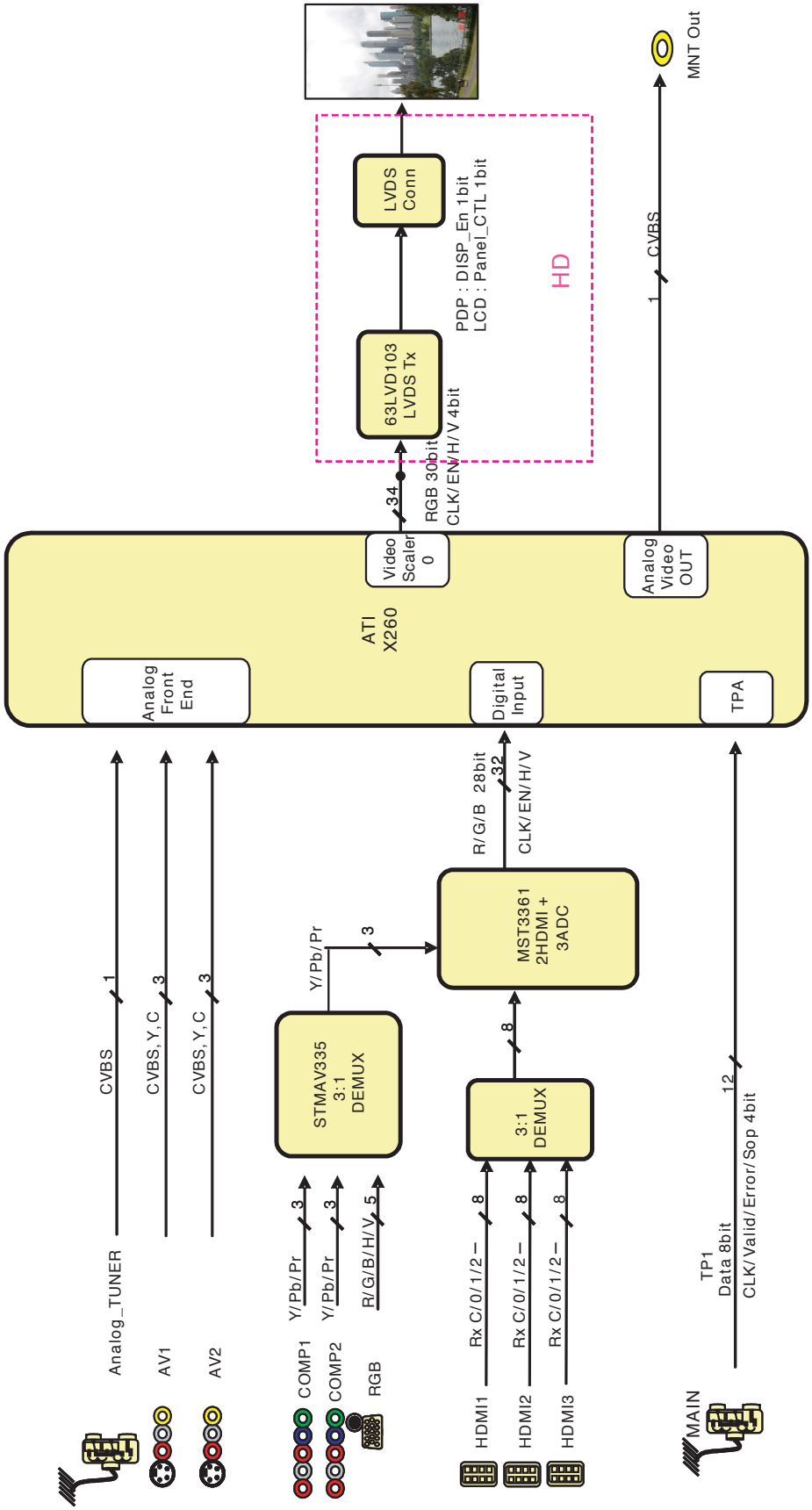
Exception

- USB power could be disabled by inrushing curre nt
- In this case, remove the de vice and try to reboo t the TV (AC pow er off/on)

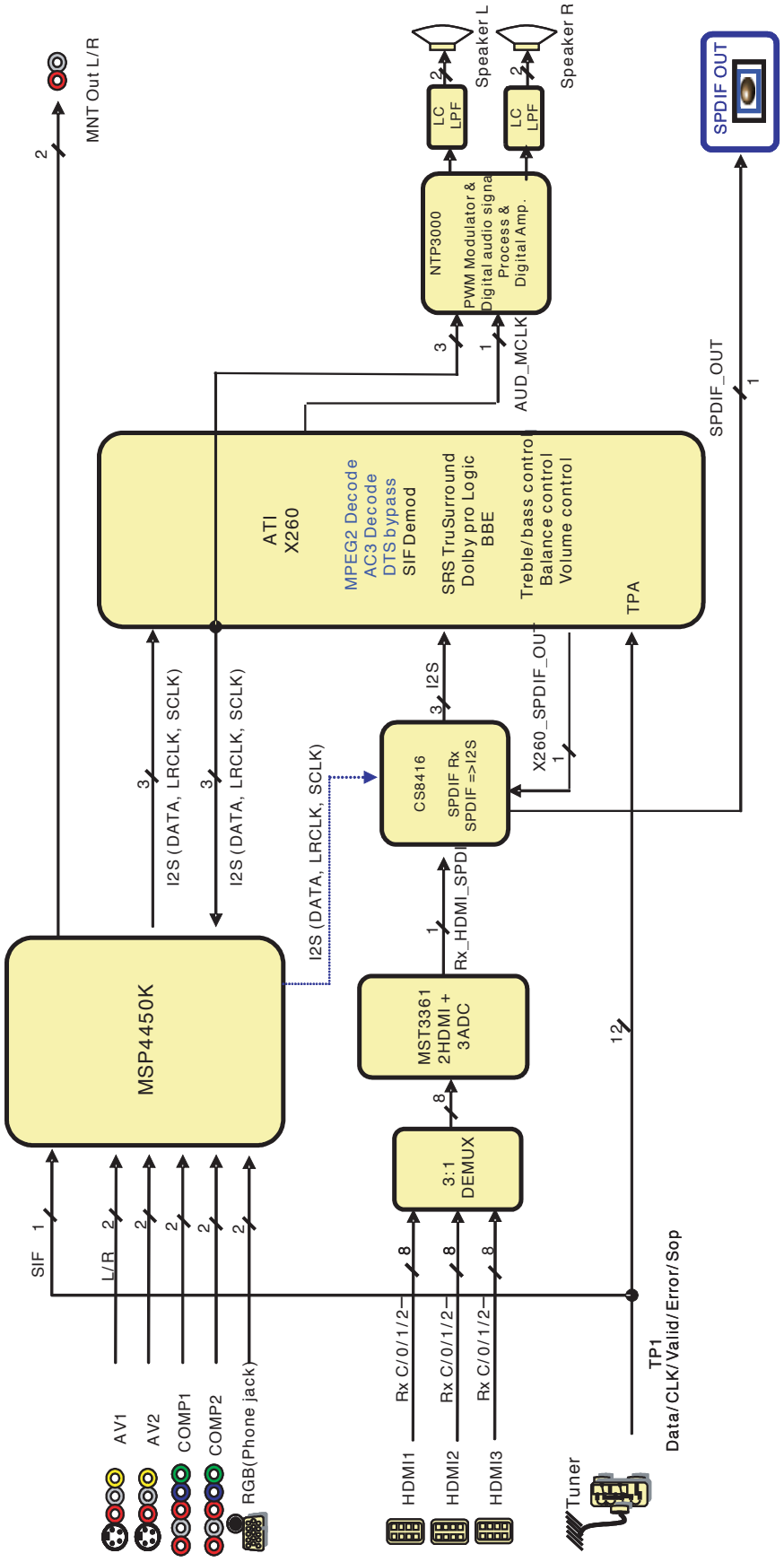
BLOCK DIAGRAM



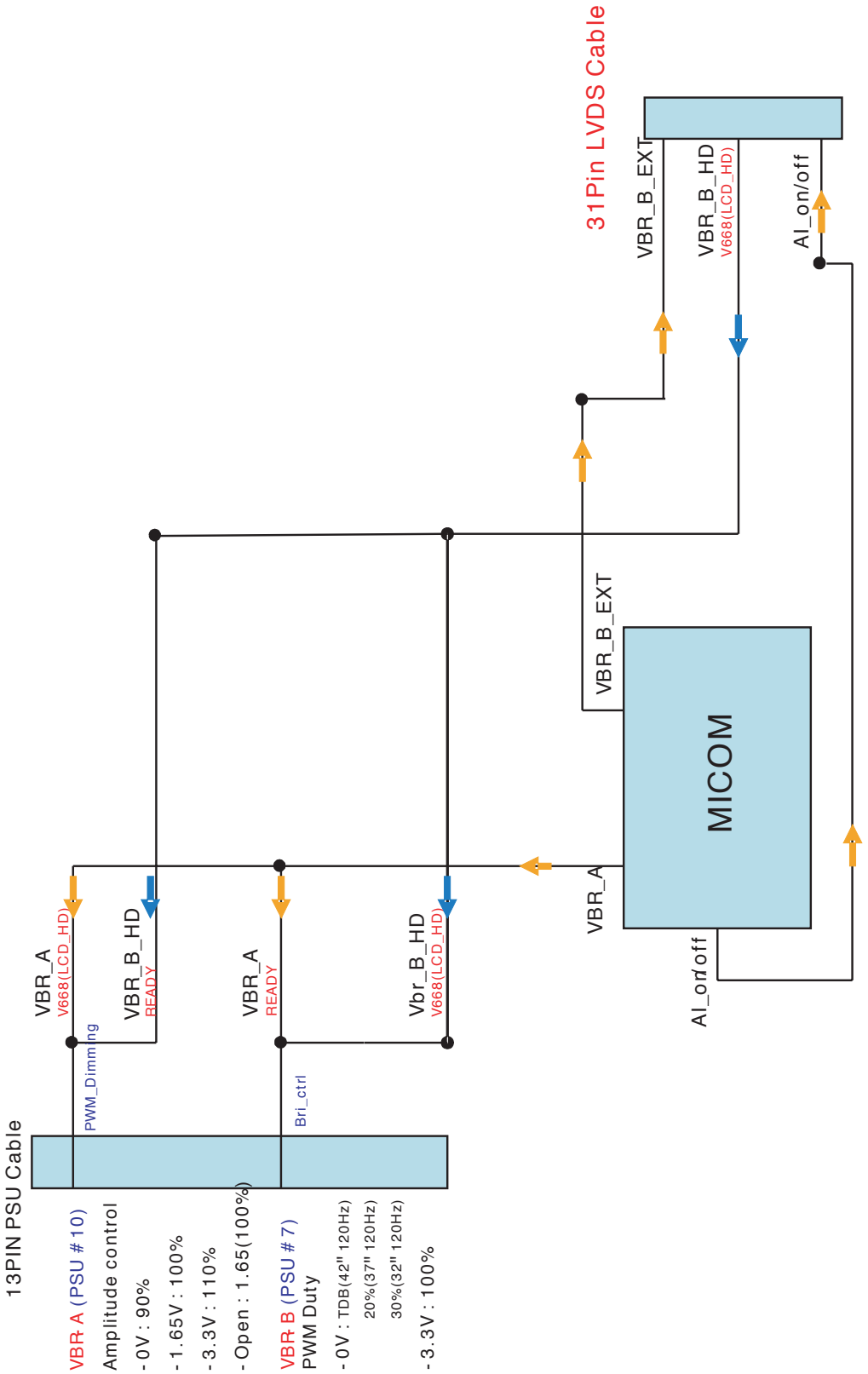
1. VIDEO



2. AUDIO

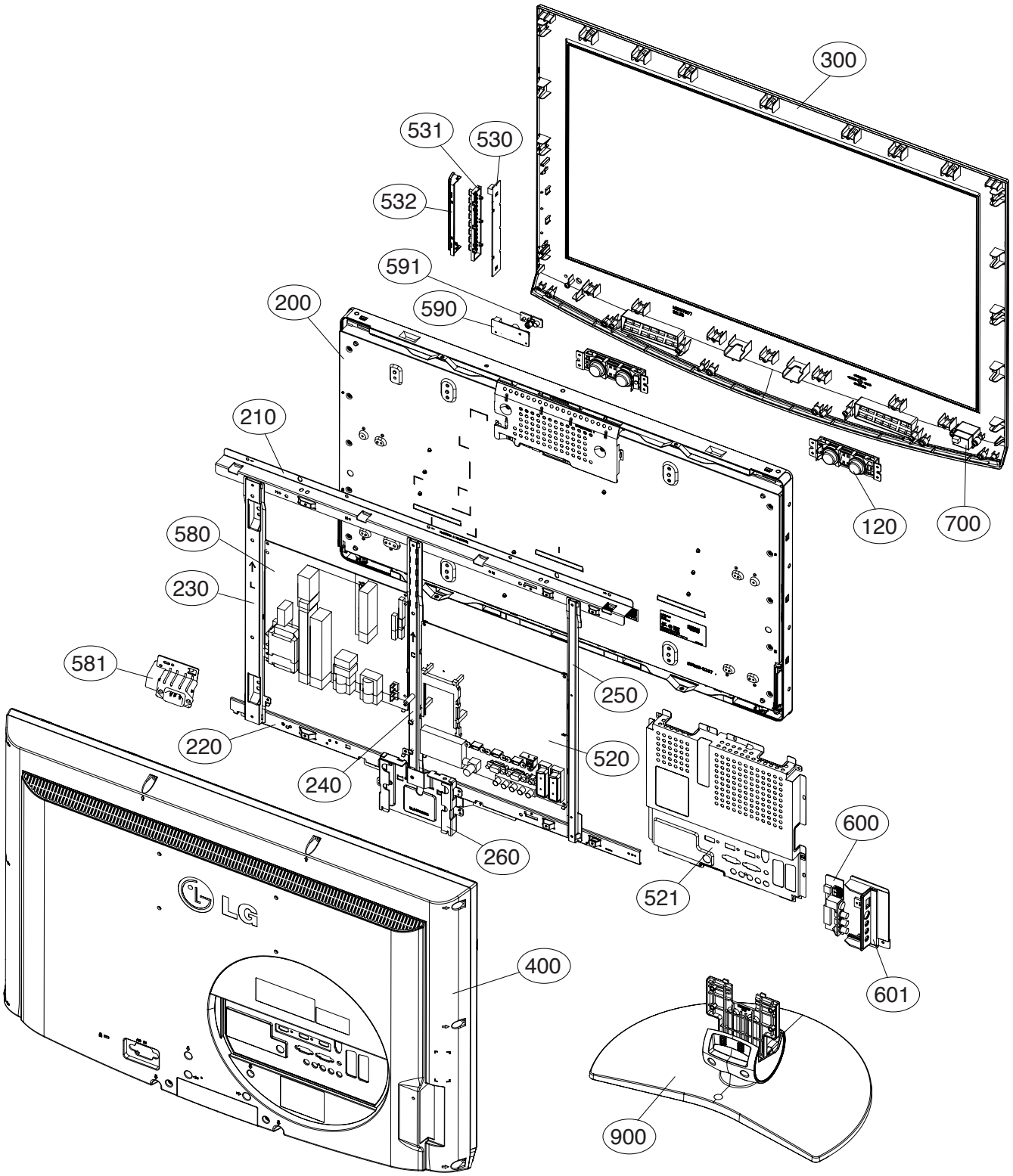


3. VBR Application



MEMO

EXPLODED VIEW



EXPLODED VIEW PARTS LIST

Loc. No.		PART NO.	DESCRIPTION
	120	EAB37526301	Speaker,Full Range C103A02K1400 ND 7W 8OHM 81DB 160HZ 122
⚠	200	EAJ37543301	LCD,Module-TFT LC320WX4-SLD2 WXGA 1000:1(basic) 8ms(GTG),Zero RT Pol. 10000K **LPL**
		EAJ38815601	LCD,Module-TFT LC320WX6-SLA1 WXGA 1366X768 500CD COLOR 8ms(GTG) Vitiaz 2 **LPL**
	210	MJH37025101	Supporter PRESS EGI 1t Supporter EGI , TOP BAR
	220	MJH37056401	Supporter PRESS EGI 1t Supporter EGI , NON-STAND JIG
	230	MJH32520501	Supporter PRESS EGI 1.0t GUIDE EGI METAL BAR, FOR POWER (32LC4)
	240	MJH32520601	Supporter PRESS EGI 1.0t GUIDE EGI METAL BAR, MIDDLE (32LC4)
	250	MJH32520701	Supporter PRESS EGI 1.0t GUIDE EGI METAL BAR, FOR MAIN (32LC4)
	260	MJH38810201	Supporter PRESS SECC . Supporter SECC(EGI) STAND GUIDE (32LB9)
⚠	300	ABJ32936001	Cabinet Assembly 32LB9D-UA LA73A 32”
⚠	400	ACQ32936403	Cover Assembly,Rear 32LB9D-NA LA74F 32”
	520	EBU37280702	Main Total Assembly 32LB9D-AA BRAND LB76A
		EBU37280708	Main Total Assembly 32LB9D-AA BRAND LB73A Vitiaz 2 Module
	521	MGJ32918103	Plate,Shield PRESS SPTE 0.5 SHIELD SPTE 32” everest3 chassis
	530	EBR37862701	Hand Insert PCB Assembly,Sub M.I LA73A [LA73A]M.I. 32LB9D-UA HAND INSERT
	531	MEY37163001	Knob MOLD ABS SUB . 32LB9D , Control
	532	MAZ37056203	Bracket MOLD ABS CONTROL 32LB9 - ABS , 32LB9DS-AA
⚠	580	EAY34795001	Power Supply Assembly FREET LCD Tornado 32inch (Power+Inverter) PSU LG INNOTEK CO., LTD
		EAY38639701	Power Supply Assembly LGLP32SLPV2 FREE Vitiaz2_32inch LCD Yuyang, H&E LIPS
	581	EBR38588101	PCB Assembly POWER T.T LB73B 32LB9D-AA AAUVLH AC-Inlet Ass’y Total
		EBT36115101	Chassis Assembly POWER(SMPS) LP78A 32 ” LCD Model AC-Inlet Assembly
	590	EBR36899501	PCB Assembly,Sub SUB T.T LB75A 42LB9DF-AA AAUMLHX IR TOTAL
	591	MES36332302	Indicator MOLD ABS LED&PRE AMP 32LB9 PMMA 7 PHY SMOKE BLACK PRINTING
	600	EBR36365001	Hand Insert PCB Assembly,Sub SUB M.I LA73A 32LB4DS-UA ALL 32LB4DS-UA SIDE AV MANUAL
	601	MAZ37058601	Bracket MOLD ABS BRACKET 32LB9D - ABS , REAR A/V(E3_DVR)
	700	6500VR0003E	Sensor,Ambient Light YGCA-T071C 26.4X20X26.4mm VOUT 5V(AT 80LUX) LG INNOTEK
⚠	900	AAN32984804	Base Assembly STAND 32LB9DA-ND LA74F BLACK, MAJESTIC

REPLACEMENT PARTS LIST

DATE: 2007. 06. 27.

LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
		CAPACITORs
* C101	0CH4471K416	C2012C0G1H471JT 470pF 5% 50V C0G -55TO+125C
C102	0CH5101K416	C2012C0G1H101JT 100pF 5% 50V C0G -55TO+125C
C103	0CE107SF6DC	VMV107M016S0ANE010 100uF 20% 16V 91MA -40TO
C104	0CH4471K416	C2012C0G1H471JT 470pF 5% 50V C0G -55TO+125C
C105	0CH4471K416	C2012C0G1H471JT 470pF 5% 50V C0G -55TO+125C
C105	0CH5101K416	C2012C0G1H101JT 100pF 5% 50V C0G -55TO+125C
C106	0CH5101K416	C2012C0G1H101JT 100pF 5% 50V C0G -55TO+125C
C107	0CK226FF67A	EMK325BJ226MM-T 22uF 20% 16V X5R -55TO+85C
C108	0CE107SF6DC	VMV107M016S0ANE010 100uF 20% 16V 91MA -40TO
C200	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R -55TO+125C
C201	EAE33970001	CS1005X5R105K6R3NR 1uF 10% 6.3V X5R -55TO+8
C202	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R -55TO+125C
C203	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R -55TO+125C
C204	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R -55TO+125C
C205	EAE33970001	CS1005X5R105K6R3NR 1uF 10% 6.3V X5R -55TO+8
C206	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R -55TO+125C
C207	EAE33970001	CS1005X5R105K6R3NR 1uF 10% 6.3V X5R -55TO+8
C208	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R -55TO+125C
C209	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R -55TO+125C
C210	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R -55TO+125C
C211	EAE33970001	CS1005X5R105K6R3NR 1uF 10% 6.3V X5R -55TO+8
C2114	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R -55TO+125C
C2115	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R -55TO+125C
C2116	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R -55TO+125C
C2117	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R -55TO+125C
C2119	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R -55TO+125C
C212	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R -55TO+125C
C2120	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R -55TO+125C
C2122	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R -55TO+125C
C2124	0CK106EF56A	C3216X7R1C106KT 10uF 10% 16V X7R -55TO+125C
C2126	0CC150BK4AA	C1005C0G1H150JT 15pF 5% 50V C0G -55TO+125C
C2127	0CC150BK4AA	C1005C0G1H150JT 15pF 5% 50V C0G -55TO+125C
C2128	0CK102BK56A	0402B102K500CT 1nF 10% 50V X7R -55TO+125C 1
C213	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R -55TO+125C
C2130	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R -55TO+125C
C2131	0CK106EF56A	C3216X7R1C106KT 10uF 10% 16V X7R -55TO+125C
C2132	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R -55TO+125C
C2133	0CK106EF56A	C3216X7R1C106KT 10uF 10% 16V X7R -55TO+125C
C2134	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R -55TO+125C
C2136	0CK106EF56A	C3216X7R1C106KT 10uF 10% 16V X7R -55TO+125C
C2137	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R -55TO+125C
C2138	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R -55TO+125C
C2139	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R -55TO+125C
C214	EAE33970001	CS1005X5R105K6R3NR 1uF 10% 6.3V X5R -55TO+8
C2140	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R -55TO+125C
C2141	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R -55TO+125C
C2142	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R -55TO+125C
C2143	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R -55TO+125C
C2144	0CE107WF6DC	MVK6.3TP16VC100M 100uF 20% 16V 110MA -40TO+

LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
C2145	0CK105CD56A	C1608X7R1A105KT 1uF 10% 10V X7R -55TO+125C
C2146	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R -55TO+125C
C2147	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R -55TO+125C
C2148	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R -55TO+125C
C2149	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R -55TO+125C
C215	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R -55TO+125C
C2150	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R -55TO+125C
C2151	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R -55TO+125C
C2152	0CE226WF6DC	MVK5.0TP16VC22M 22uF 20% 16V 30MA -40TO+105
C2153	EAE30840301	10SVPC68M 68uF 20% 10V 1.97A -55TO+105C SVP
C2154	EAE33970001	CS1005X5R105K6R3NR 1uF 10% 6.3V X5R -55TO+8
C2155	EAE33970001	CS1005X5R105K6R3NR 1uF 10% 6.3V X5R -55TO+8
C2156	EAE33970001	CS1005X5R105K6R3NR 1uF 10% 6.3V X5R -55TO+8
C2157	EAE33970001	CS1005X5R105K6R3NR 1uF 10% 6.3V X5R -55TO+8
C2158	EAE33970001	CS1005X5R105K6R3NR 1uF 10% 6.3V X5R -55TO+8
C2159	EAE33970001	CS1005X5R105K6R3NR 1uF 10% 6.3V X5R -55TO+8
C216	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R -55TO+125C
C2160	EAE33970001	CS1005X5R105K6R3NR 1uF 10% 6.3V X5R -55TO+8
C2161	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R -55TO+125C
C2162	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R -55TO+125C
C2163	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R -55TO+125C
C2164	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R -55TO+125C
C2165	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R -55TO+125C
C2166	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R -55TO+125C
C2167	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R -55TO+125C
C2168	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R -55TO+125C
C2169	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R -55TO+125C
C217	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R -55TO+125C
C2170	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R -55TO+125C
C2171	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R -55TO+125C
C2172	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R -55TO+125C
C2173	0CE226WF6DC	MVK5.0TP16VC22M 22uF 20% 16V 30MA -40TO+105
C2174	EAE30840301	10SVPC68M 68uF 20% 10V 1.97A -55TO+105C SVP
C2175	EAE33970001	CS1005X5R105K6R3NR 1uF 10% 6.3V X5R -55TO+8
C2176	EAE33970001	CS1005X5R105K6R3NR 1uF 10% 6.3V X5R -55TO+8
C2177	EAE33970001	CS1005X5R105K6R3NR 1uF 10% 6.3V X5R -55TO+8
C2178	EAE33970001	CS1005X5R105K6R3NR 1uF 10% 6.3V X5R -55TO+8
C2179	EAE33970001	CS1005X5R105K6R3NR 1uF 10% 6.3V X5R -55TO+8
C218	EAE33970001	CS1005X5R105K6R3NR 1uF 10% 6.3V X5R -55TO+8
C2180	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R -55TO+125C
C2181	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R -55TO+125C
C2182	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R -55TO+125C
C2183	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R -55TO+125C
C2184	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R -55TO+125C
C2185	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R -55TO+125C
C2186	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R -55TO+125C
C2187	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R -55TO+125C
C2188	0CE226WF6DC	MVK5.0TP16VC22M 22uF 20% 16V 30MA -40TO+105
C2189	0CE107WF6DC	MVK6.3TP16VC100M 100uF 20% 16V 110MA -40TO+
C219	EAE30840301	10SVPC68M 68uF 20% 10V 1.97A -55TO+105C SVP

LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
C2190	0CK105CD56A	C1608X7R1A105KT 1uF 10% 10V X7R -55TO+125C
C2191	0CK105CD56A	C1608X7R1A105KT 1uF 10% 10V X7R -55TO+125C
C2192	0CK105CD56A	C1608X7R1A105KT 1uF 10% 10V X7R -55TO+125C
C2193	0CK105CD56A	C1608X7R1A105KT 1uF 10% 10V X7R -55TO+125C
C2194	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R -55TO+125C
C2195	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R -55TO+125C
C2196	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R -55TO+125C
C2197	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R -55TO+125C
C2198	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R -55TO+125C
C2199	0CK105CD56A	C1608X7R1A105KT 1uF 10% 10V X7R -55TO+125C
C220	EAE33970001	CS1005X5R105K6R3NR 1uF 10% 6.3V X5R -55TO+8
C2200	0CK105CD56A	C1608X7R1A105KT 1uF 10% 10V X7R -55TO+125C
C2201	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R -55TO+125C
C2202	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R -55TO+125C
C2203	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R -55TO+125C
C2204	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R -55TO+125C
C2205	EAE33970001	CS1005X5R105K6R3NR 1uF 10% 6.3V X5R -55TO+8
C2206	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R -55TO+125C
C2207	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R -55TO+125C
C2208	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R -55TO+125C
C2209	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R -55TO+125C
C221	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R -55TO+125C
C2210	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R -55TO+125C
C2211	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R -55TO+125C
C2212	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R -55TO+125C
C2213	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R -55TO+125C
C2214	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R -55TO+125C
C2215	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R -55TO+125C
C2216	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R -55TO+125C
C2217	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R -55TO+125C
C2218	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R -55TO+125C
C2219	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R -55TO+125C
C222	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R -55TO+125C
C2220	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R -55TO+125C
C2221	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R -55TO+125C
C2222	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R -55TO+125C
C2223	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R -55TO+125C
C2224	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R -55TO+125C
C2225	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R -55TO+125C
C2226	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R -55TO+125C
C2227	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R -55TO+125C
C2228	0CK106EF56A	C3216X7R1C106KT 10uF 10% 16V X7R -55TO+125C
C2229	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R -55TO+125C
C223	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R -55TO+125C
C2230	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R -55TO+125C
C2231	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R -55TO+125C
C2232	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R -55TO+125C
C2233	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R -55TO+125C
C2239	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R -55TO+125C
C224	EAE33970001	CS1005X5R105K6R3NR 1uF 10% 6.3V X5R -55TO+8
C2240	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R -55TO+125C
C2241	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R -55TO+125C
C2242	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R -55TO+125C
C2243	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R -55TO+125C
C2244	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R -55TO+125C

LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
C225	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R -55TO+125C
C226	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R -55TO+125C
C227	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R -55TO+125C
C228	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R -55TO+125C
C229	EAE33970001	CS1005X5R105K6R3NR 1uF 10% 6.3V X5R -55TO+8
C230	EAE33970001	CS1005X5R105K6R3NR 1uF 10% 6.3V X5R -55TO+8
C231	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R -55TO+125C
C232	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R -55TO+125C
C233	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R -55TO+125C
C234	EAE33970001	CS1005X5R105K6R3NR 1uF 10% 6.3V X5R -55TO+8
C236	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R -55TO+125C
C238	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R -55TO+125C
C239	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R -55TO+125C
C240	EAE30840301	10SVPC68M 68uF 20% 10V 1.97A -55TO+105C SVP
C241	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R -55TO+125C
C242	0CE106WFKDC	MVK4.0TP16VC10M 10uF 20% 16V 16MA -40TO+105
C243	EAE33970001	CS1005X5R105K6R3NR 1uF 10% 6.3V X5R -55TO+8
C244	EAE33970001	CS1005X5R105K6R3NR 1uF 10% 6.3V X5R -55TO+8
C245	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R -55TO+125C
C246	EAE33970001	CS1005X5R105K6R3NR 1uF 10% 6.3V X5R -55TO+8
C247	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R -55TO+125C
C248	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R -55TO+125C
C249	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R -55TO+125C
C250	EAE33970001	CS1005X5R105K6R3NR 1uF 10% 6.3V X5R -55TO+8
C251	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R -55TO+125C
C252	EAE33970001	CS1005X5R105K6R3NR 1uF 10% 6.3V X5R -55TO+8
C253	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R -55TO+125C
C254	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R -55TO+125C
C255	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R -55TO+125C
C256	EAE33970001	CS1005X5R105K6R3NR 1uF 10% 6.3V X5R -55TO+8
C257	EAE33970001	CS1005X5R105K6R3NR 1uF 10% 6.3V X5R -55TO+8
C258	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R -55TO+125C
C259	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R -55TO+125C
C260	EAE30840301	10SVPC68M 68uF 20% 10V 1.97A -55TO+105C SVP
C261	EAE30840301	10SVPC68M 68uF 20% 10V 1.97A -55TO+105C SVP
C262	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R -55TO+125C
C263	EAE30840301	10SVPC68M 68uF 20% 10V 1.97A -55TO+105C SVP
C264	EAE33970001	CS1005X5R105K6R3NR 1uF 10% 6.3V X5R -55TO+8
C265	EAE30840301	10SVPC68M 68uF 20% 10V 1.97A -55TO+105C SVP
C266	EAE33970001	CS1005X5R105K6R3NR 1uF 10% 6.3V X5R -55TO+8
C267	EAE33970001	CS1005X5R105K6R3NR 1uF 10% 6.3V X5R -55TO+8
C268	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R -55TO+125C
C269	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R -55TO+125C
C270	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R -55TO+125C
C271	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R -55TO+125C
C272	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R -55TO+125C
C273	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R -55TO+125C
C274	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R -55TO+125C
C275	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R -55TO+125C
C276	EAE33970001	CS1005X5R105K6R3NR 1uF 10% 6.3V X5R -55TO+8
C277	EAE33970001	CS1005X5R105K6R3NR 1uF 10% 6.3V X5R -55TO+8
C278	EAE33970001	CS1005X5R105K6R3NR 1uF 10% 6.3V X5R -55TO+8
C279	EAE33970001	CS1005X5R105K6R3NR 1uF 10% 6.3V X5R -55TO+8
C280	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R -55TO+125C
C281	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R -55TO+125C

LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
C282	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R -55TO+125C
C283	EAE33970001	CS1005X5R105K6R3NR 1uF 10% 6.3V X5R -55TO+8
C284	EAE33970001	CS1005X5R105K6R3NR 1uF 10% 6.3V X5R -55TO+8
C285	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R -55TO+125C
C300	0CE226WF6DC	MVK5.0TP16VC22M 22uF 20% 16V 30MA -40TO+105
C301	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R -55TO+125C
C302	0CE336WD6D8	RC1A336M05005VR 33uF 20% 10V 34MA -40TO+105
C303	0CE476WF6DC	MVK6.3TP16VC47M 47uF 20% 16V 80MA -40TO+105
C304	0CE476WF6DC	MVK6.3TP16VC47M 47uF 20% 16V 80MA -40TO+105
C305	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R -55TO+125C
C306	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R -55TO+125C
C307	0CE476WF6DC	MVK6.3TP16VC47M 47uF 20% 16V 80MA -40TO+105
C309	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R -55TO+125C
C310	0CE226WF6DC	MVK5.0TP16VC22M 22uF 20% 16V 30MA -40TO+105
C311	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R -55TO+125C
C312	0CK222BKG6A	0402B222K500CT 2.2nF 10% 50V X7R -55TO+125C
C313	0CC221BKFAA	C1005C0G1H221JT 220pF 5% 50V C0G -55TO+125C
C314	0CE476WF6DC	MVK6.3TP16VC47M 47uF 20% 16V 80MA -40TO+105
C315	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R -55TO+125C
C316	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R -55TO+125C
C317	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R -55TO+125C
C318	0CE476WF6DC	MVK6.3TP16VC47M 47uF 20% 16V 80MA -40TO+105
C319	0CE476WF6DC	MVK6.3TP16VC47M 47uF 20% 16V 80MA -40TO+105
C320	0CE476WF6DC	MVK6.3TP16VC47M 47uF 20% 16V 80MA -40TO+105
C321	0CK106DC67A	JMK212JB106MG-T 10uF 20% 6.3V X5R -55TO+85C
C322	0CK106DC67A	JMK212JB106MG-T 10uF 20% 6.3V X5R -55TO+85C
C323	0CK106DC67A	JMK212JB106MG-T 10uF 20% 6.3V X5R -55TO+85C
C324	0CK106DC67A	JMK212JB106MG-T 10uF 20% 6.3V X5R -55TO+85C
C325	0CK106DC67A	JMK212JB106MG-T 10uF 20% 6.3V X5R -55TO+85C
C326	0CK106DC67A	JMK212JB106MG-T 10uF 20% 6.3V X5R -55TO+85C
C327	0CK106DC67A	JMK212JB106MG-T 10uF 20% 6.3V X5R -55TO+85C
C328	0CK106DC67A	JMK212JB106MG-T 10uF 20% 6.3V X5R -55TO+85C
C329	0CK105EJ56A	GMK316BJ105KL-T 1uF 10% 35V X7R -55TO+125C
C330	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R -55TO+125C
C331	EAE33970001	CS1005X5R105K6R3NR 1uF 10% 6.3V X5R -55TO+8
C332	EAE33970001	CS1005X5R105K6R3NR 1uF 10% 6.3V X5R -55TO+8
C333	EAE33970001	CS1005X5R105K6R3NR 1uF 10% 6.3V X5R -55TO+8
C334	EAE33970001	CS1005X5R105K6R3NR 1uF 10% 6.3V X5R -55TO+8
C335	0CK105EJ56A	GMK316BJ105KL-T 1uF 10% 35V X7R -55TO+125C
C336	0CE476WF6DC	MVK6.3TP16VC47M 47uF 20% 16V 80MA -40TO+105
C336	0CE476WF6DC	MVK6.3TP16VC47M 47uF 20% 16V 80MA -40TO+105
C337	0CK332CK56A	C1608X7R1H332KT 3.3nF 10% 50V X7R -55TO+125
C338	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R -55TO+125C
C339	0CK471BK56A	C1005X7R1H471KT 470pF 10% 50V X7R -55TO+125
C340	0CH2334F566	0805B334K160CT 330nF 10% 16V X7R -55TO+125C
C341	0CH2334F566	0805B334K160CT 330nF 10% 16V X7R -55TO+125C
C342	EAE32166101	CS1005XR473K250CR 0.047uF 10% 25V X7R -55TO
C343	0CH2334F566	0805B334K160CT 330nF 10% 16V X7R -55TO+125C
C344	0CH2334F566	0805B334K160CT 330nF 10% 16V X7R -55TO+125C
C345	0CE106WFKDC	MVK4.0TP16VC10M 10uF 20% 16V 16MA -40TO+105
C346	0CE107WF6DC	MVK6.3TP16VC100M 100uF 20% 16V 110MA -40TO+
C347	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R -55TO+125C
C348	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R -55TO+125C
C349	0CC221BKFAA	C1005C0G1H221JT 220pF 5% 50V C0G -55TO+125C
C350	0CC221BKFAA	C1005C0G1H221JT 220pF 5% 50V C0G -55TO+125C

LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
C351	0CH5470K618	0402N470M500LT 47pF 5% 50V C0G -55TO+125C 1
C352	0CH5470K618	0402N470M500LT 47pF 5% 50V C0G -55TO+125C 1
C353	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R -55TO+125C
C354	0CE476WF6DC	MVK6.3TP16VC47M 47uF 20% 16V 80MA -40TO+105
C355	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R -55TO+125C
C356	0CE226WF6DC	MVK5.0TP16VC22M 22uF 20% 16V 30MA -40TO+105
C357	0CE476WF6DC	MVK6.3TP16VC47M 47uF 20% 16V 80MA -40TO+105
C360	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R -55TO+125C
C361	0CH5220K618	0402N220M500LT 22pF 5% 50V C0G -55TO+125C 1
C362	0CH5220K618	0402N220M500LT 22pF 5% 50V C0G -55TO+125C 1
C363	0CE106WFKDC	MVK4.0TP16VC10M 10uF 20% 16V 16MA -40TO+105
C364	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R -55TO+125C
C365	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R -55TO+125C
C366	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R -55TO+125C
C367	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R -55TO+125C
C368	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R -55TO+125C
C369	0CE107WF6DC	MVK6.3TP16VC100M 100uF 20% 16V 110MA -40TO+
C370	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R -55TO+125C
C371	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R -55TO+125C
C372	0CE106WFKDC	MVK4.0TP16VC10M 10uF 20% 16V 16MA -40TO+105
C373	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R -55TO+125C
C374	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R -55TO+125C
C400	0CE476WF6DC	MVK6.3TP16VC47M 47uF 20% 16V 80MA -40TO+105
C4000	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R -55TO+125C
C4001	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R -55TO+125C
C4002	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R -55TO+125C
C4003	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R -55TO+125C
C4004	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R -55TO+125C
C4005	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R -55TO+125C
C4006	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R -55TO+125C
C4007	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R -55TO+125C
C4008	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R -55TO+125C
C4009	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R -55TO+125C
C401	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R -55TO+125C
C4010	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R -55TO+125C
C4011	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R -55TO+125C
C4012	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R -55TO+125C
C4013	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R -55TO+125C
C4014	0CH5220K618	0402N220M500LT 22pF 5% 50V C0G -55TO+125C 1
C4015	0CH5220K618	0402N220M500LT 22pF 5% 50V C0G -55TO+125C 1
C402	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R -55TO+125C
C404	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R -55TO+125C
C405	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R -55TO+125C
C406	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R -55TO+125C
C407	0CE476WF6DC	MVK6.3TP16VC47M 47uF 20% 16V 80MA -40TO+105
C408	0CE476WF6DC	MVK6.3TP16VC47M 47uF 20% 16V 80MA -40TO+105
C409	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R -55TO+125C
C410	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R -55TO+125C
C412	0CK473CH56A	C1608X7R1E473KT 47nF 10% 25V X7R -55TO+125C
C413	EAE32166101	CS1005XR473K250CR 0.047uF 10% 25V X7R -55TO
C414	0CK102BK56A	0402B102K500CT 1nF 10% 50V X7R -55TO+125C 1
C415	0CK473CH56A	C1608X7R1E473KT 47nF 10% 25V X7R -55TO+125C
C416	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R -55TO+125C
C417	EAE32166101	CS1005XR473K250CR 0.047uF 10% 25V X7R -55TO
C419	0CK473CH56A	C1608X7R1E473KT 47nF 10% 25V X7R -55TO+125C

LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
C420	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R -55TO+125C
C421	EAE32166101	CS1005XR473K250CR 0.047uF 10% 25V X7R -55TO
C423	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R -55TO+125C
C424	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R -55TO+125C
C425	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R -55TO+125C
C426	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R -55TO+125C
C427	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R -55TO+125C
C428	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R -55TO+125C
C429	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R -55TO+125C
C430	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R -55TO+125C
C431	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R -55TO+125C
C432	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R -55TO+125C
C436	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R -55TO+125C
C439	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R -55TO+125C
C440	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R -55TO+125C
C441	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R -55TO+125C
C442	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R -55TO+125C
C449	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R -55TO+125C
C450	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R -55TO+125C
C451	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R -55TO+125C
C452	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R -55TO+125C
C453	0CE106WFKDC	MVK4.0TP16VC10M 10uF 20% 16V 16MA -40TO+105
C454	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R -55TO+125C
C457	0CK102BK56A	0402B102K500CT 1nF 10% 50V X7R -55TO+125C 1
C459	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R -55TO+125C
C460	0CC180BKFAA	C1005C0G1H180JT 18pF 5% 50V C0G -55TO+125C
C465	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R -55TO+125C
C466	0CE476WF6DC	MVK6.3TP16VC47M 47uF 20% 16V 80MA -40TO+105
C467	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R -55TO+125C
C468	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R -55TO+125C
C469	0CK101BK4EA	C1005C0G1H101JT 100pF 5% 50V C0G -55TO+125C
C470	0CK471BK56A	C1005X7R1H471KT 470pF 10% 50V X7R -55TO+125
C471	0CC180BKFAA	C1005C0G1H180JT 18pF 5% 50V C0G -55TO+125C
C476	0CK101BK4EA	C1005C0G1H101JT 100pF 5% 50V C0G -55TO+125C
C477	0CH5220K618	0402N220M500LT 22pF 5% 50V C0G -55TO+125C 1
C478	0CH5220K618	0402N220M500LT 22pF 5% 50V C0G -55TO+125C 1
C481	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R -55TO+125C
C482	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R -55TO+125C
C484	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R -55TO+125C
C487	0CE106WFKDC	MVK4.0TP16VC10M 10uF 20% 16V 16MA -40TO+105
C488	0CE106WFKDC	MVK4.0TP16VC10M 10uF 20% 16V 16MA -40TO+105
C491	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R -55TO+125C
C492	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R -55TO+125C
C495	0CE106WFKDC	MVK4.0TP16VC10M 10uF 20% 16V 16MA -40TO+105
C496	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R -55TO+125C
C5002	0CE106WFKDC	MVK4.0TP16VC10M 10uF 20% 16V 16MA -40TO+105
C5003	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R -55TO+125C
C5004	0CK102BK56A	0402B102K500CT 1nF 10% 50V X7R -55TO+125C 1
C5005	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R -55TO+125C
C5006	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R -55TO+125C
C5007	0CK223CK56A	UMK107JB223KA-T 22nF 10% 50V X7R -55TO+125C
C5008	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R -55TO+125C
C5009	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R -55TO+125C
C5010	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R -55TO+125C
C5012	0CE226WF6DC	MVK5.0TP16VC22M 22uF 20% 16V 30MA -40TO+105

LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
C5013	0CC020CK01A	C1608C0G1H020CT 2pF 0.25PF 50V C0G -55TO+12
C5014	0CC020CK01A	C1608C0G1H020CT 2pF 0.25PF 50V C0G -55TO+12
C5015	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R -55TO+125C
C5016	0CC560CK41A	C1608C0G1H560JT 56pF 5% 50V C0G -55TO+125C
C5017	0CC560CK41A	C1608C0G1H560JT 56pF 5% 50V C0G -55TO+125C
C5018	0CE335WK6D8	MVK4.0TP50VC3.3M 3.3uF 20% 50V 14MA -40TO+1
C5019	0CC560CK41A	C1608C0G1H560JT 56pF 5% 50V C0G -55TO+125C
C5020	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R -55TO+125C
C5021	0CK474CH94A	0603F474Z250CT 470nF -20TO+80% 25V Y5V -30T
C5022	0CK222CK56A	0603B222K500CT 2.2nF 10% 50V X7R -55TO+125C
C5023	0CK474CH94A	0603F474Z250CT 470nF -20TO+80% 25V Y5V -30T
C5024	0CK222CK56A	0603B222K500CT 2.2nF 10% 50V X7R -55TO+125C
C5025	0CE226WF6DC	MVK5.0TP16VC22M 22uF 20% 16V 30MA -40TO+105
C5026	0CK474CH94A	0603F474Z250CT 470nF -20TO+80% 25V Y5V -30T
C5027	0CK222CK56A	0603B222K500CT 2.2nF 10% 50V X7R -55TO+125C
C5028	0CK474CH94A	0603F474Z250CT 470nF -20TO+80% 25V Y5V -30T
C5029	0CK222CK56A	0603B222K500CT 2.2nF 10% 50V X7R -55TO+125C
C5030	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R -55TO+125C
C5031	0CK474CH94A	0603F474Z250CT 470nF -20TO+80% 25V Y5V -30T
C5032	0CK222CK56A	0603B222K500CT 2.2nF 10% 50V X7R -55TO+125C
C5033	0CK474CH94A	0603F474Z250CT 470nF -20TO+80% 25V Y5V -30T
C5034	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R -55TO+125C
C5035	0CK222CK56A	0603B222K500CT 2.2nF 10% 50V X7R -55TO+125C
C5036	0CK474CH94A	0603F474Z250CT 470nF -20TO+80% 25V Y5V -30T
C5037	0CK222CK56A	0603B222K500CT 2.2nF 10% 50V X7R -55TO+125C
C5038	0CK474CH94A	0603F474Z250CT 470nF -20TO+80% 25V Y5V -30T
C5039	0CC101CK41A	C1608C0G1H101JT 100pF 5% 50V C0G -55TO+125C
C5040	0CK222CK56A	0603B222K500CT 2.2nF 10% 50V X7R -55TO+125C
C5041	0CK222CK56A	0603B222K500CT 2.2nF 10% 50V X7R -55TO+125C
C5042	0CK222CK56A	0603B222K500CT 2.2nF 10% 50V X7R -55TO+125C
C5043	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R -55TO+125C
C5044	0CC471CK41A	C1608C0G1H471JT 470pF 5% 50V C0G -55TO+125C
C5045	0CE335WK6D8	MVK4.0TP50VC3.3M 3.3uF 20% 50V 14MA -40TO+1
C5046	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R -55TO+125C
C5047	0CE107WF6DC	MVK6.3TP16VC100M 100uF 20% 16V 110MA -40TO+
C5048	0CE106WFKDC	MVK4.0TP16VC10M 10uF 20% 16V 16MA -40TO+105
C5049	0CE106WFKDC	MVK4.0TP16VC10M 10uF 20% 16V 16MA -40TO+105
C505	0CK101BK4EA	C1005C0G1H101JT 100pF 5% 50V C0G -55TO+125C
C5050	0CE475WK6DC	MVK5.0TP50VC4.7M 4.7uF 20% 50V 19MA -40TO+1
C5051	0CE475WK6DC	MVK5.0TP50VC4.7M 4.7uF 20% 50V 19MA -40TO+1
C5052	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R -55TO+125C
C5053	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R -55TO+125C
C506	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R -55TO+125C
C515	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R -55TO+125C
C529	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R -55TO+125C
C531	0CK101BK4EA	C1005C0G1H101JT 100pF 5% 50V C0G -55TO+125C
C532	0CE106WFKDC	MVK4.0TP16VC10M 10uF 20% 16V 16MA -40TO+105
C533	0CK102BK56A	0402B102K500CT 1nF 10% 50V X7R -55TO+125C 1
C535	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R -55TO+125C
C536	0CE106WFKDC	MVK4.0TP16VC10M 10uF 20% 16V 16MA -40TO+105
C541	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R -55TO+125C
C546	0CK105CD56A	C1608X7R1A105KT 1uF 10% 10V X7R -55TO+125C
C547	0CZZB00035A	GRM1555C1H330J 33pF 5% 50V C0G -55TO+125C 1
C548	0CZZB00035A	GRM1555C1H330J 33pF 5% 50V C0G -55TO+125C 1
C551	0CK223CK56A	UMK107JB223KA-T 22nF 10% 50V X7R -55TO+125C

LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
C556	0CE337WJ6D8	MVK12.5TP35VC330M 330uF 20% 35V 480MA -40TO
C557	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R -55TO+125C
C558	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R -55TO+125C
C559	0CK223CK56A	UMK107JB223KA-T 22nF 10% 50V X7R -55TO+125C
C560	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R -55TO+125C
C561	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R -55TO+125C
C562	0CE106WFKDC	MVK4.0TP16VC10M 10uF 20% 16V 16MA -40TO+105
C563	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R -55TO+125C
C564	0CK105CD56A	C1608X7R1A105KT 1uF 10% 10V X7R -55TO+125C
C565	0CK105CD56A	C1608X7R1A105KT 1uF 10% 10V X7R -55TO+125C
C566	0CK223CK56A	UMK107JB223KA-T 22nF 10% 50V X7R -55TO+125C
C567	0CK223CK56A	UMK107JB223KA-T 22nF 10% 50V X7R -55TO+125C
C568	0CK105CD56A	C1608X7R1A105KT 1uF 10% 10V X7R -55TO+125C
C569	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R -55TO+125C
C570	0CE337WJ6D8	MVK12.5TP35VC330M 330uF 20% 35V 480MA -40TO
C571	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R -55TO+125C
C573	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R -55TO+125C
C574	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R -55TO+125C
C575	0CK474CH94A	0603F474Z250CT 470nF -20TO+80% 25V Y5V -30T
C576	0CK474CH94A	0603F474Z250CT 470nF -20TO+80% 25V Y5V -30T
C581	0CK102CK56A	0603B102K500CT 1nF 10% 50V X7R -55TO+125C 1
C582	0CK102CK56A	0603B102K500CT 1nF 10% 50V X7R -55TO+125C 1
C583	0CK102CK56A	0603B102K500CT 1nF 10% 50V X7R -55TO+125C 1
C584	0CK102CK56A	0603B102K500CT 1nF 10% 50V X7R -55TO+125C 1
C585	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R -55TO+125C
C586	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R -55TO+125C
C587	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R -55TO+125C
C588	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R -55TO+125C
C589	0CK474DK56A	UMK212BJ474KG-T 470nF 10% 50V X7R -40TO+105
C590	0CK474DK56A	UMK212BJ474KG-T 470nF 10% 50V X7R -40TO+105
C592	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R -55TO+125C
C594	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R -55TO+125C
C597	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R -55TO+125C
C598	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R -55TO+125C
C599	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R -55TO+125C
C700	0CE105WK6DC	MVK4.0TP50VC1M 1uF 20% 50V 5.6MA -40TO+105C
C701	EAE30840301	10SVPC68M 68uF 20% 10V 1.97A -55TO+105C SVP
C7012	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R -55TO+125C
C7013	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R -55TO+125C
C7014	0CE107WF6DC	MVK6.3TP16VC100M 100uF 20% 16V 110MA -40TO+
C7015	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R -55TO+125C
C7016	0CC100BKF1A	0402N100J500LT 10pF 5% 50V C0G -55TO+125C 1
C7017	0CC100BKF1A	0402N100J500LT 10pF 5% 50V C0G -55TO+125C 1
C704	0CK471BK56A	C1005X7R1H471KT 470pF 10% 50V X7R -55TO+125
C705	0CK471BK56A	C1005X7R1H471KT 470pF 10% 50V X7R -55TO+125
C706	0CK471BK56A	C1005X7R1H471KT 470pF 10% 50V X7R -55TO+125
C707	0CK471BK56A	C1005X7R1H471KT 470pF 10% 50V X7R -55TO+125
C710	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R -55TO+125C
C711	0CE225WK6DC	MVK4.0TP50VC2.2M 2.2uF 20% 50V 10MA -40TO+1
C712	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R -55TO+125C
C713	0CE225WK6DC	MVK4.0TP50VC2.2M 2.2uF 20% 50V 10MA -40TO+1
C713	0CK225DD66A	LMK212JB225MG-T 2.2uF 20% 10V X7R -55TO+125
C714	0CE225WK6DC	MVK4.0TP50VC2.2M 2.2uF 20% 50V 10MA -40TO+1
C714	0CK225DD66A	LMK212JB225MG-T 2.2uF 20% 10V X7R -55TO+125
C715	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R -55TO+125C

LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
C716	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R -55TO+125C
C717	0CK101BK4EA	C1005C0G1H101JT 100pF 5% 50V C0G -55TO+125C
C718	0CK101BK4EA	C1005C0G1H101JT 100pF 5% 50V C0G -55TO+125C
C721	0CE225WK6DC	MVK4.0TP50VC2.2M 2.2uF 20% 50V 10MA -40TO+1
C722	0CK101BK4EA	C1005C0G1H101JT 100pF 5% 50V C0G -55TO+125C
C723	0CK101BK4EA	C1005C0G1H101JT 100pF 5% 50V C0G -55TO+125C
C724	EAE32720101	16SVP330M 330uF 20% 16V 4.72A -55TO+105C SV
C725	EAE32720101	16SVP330M 330uF 20% 16V 4.72A -55TO+105C SV
C726	EAE30840301	10SVPC68M 68uF 20% 10V 1.97A -55TO+105C SVP
C727	EAE30840401	25SVPD10M 10uF 20% 25V 1.5A -55TO+125C SVPD
C728	0CK471BK56A	C1005X7R1H471KT 470pF 10% 50V X7R -55TO+125
C729	0CK471BK56A	C1005X7R1H471KT 470pF 10% 50V X7R -55TO+125
C733	0CK471BK56A	C1005X7R1H471KT 470pF 10% 50V X7R -55TO+125
C735	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R -55TO+125C
C737	0CE337WH6DC	MVK10TP25VC330M 330uF 20% 25V 450MA -40TO+1
C742	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R -55TO+125C
C743	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R -55TO+125C
C744	0CC102CK41A	C1608C0G1H102JT 1nF 5% 50V C0G -55TO+125C 1
C746	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R -55TO+125C
C748	0CE476WF6DC	MVK6.3TP16VC47M 47uF 20% 16V 80MA -40TO+105
C763	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R -55TO+125C
C764	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R -55TO+125C
C765	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R -55TO+125C
C766	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R -55TO+125C
C767	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R -55TO+125C
C768	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R -55TO+125C
C769	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R -55TO+125C
C770	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R -55TO+125C
C771	0CE107WF6DC	MVK6.3TP16VC100M 100uF 20% 16V 110MA -40TO+
C800	0CE106WFKDC	MVK4.0TP16VC10M 10uF 20% 16V 16MA -40TO+105
C801	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R -55TO+125C
C802	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R -55TO+125C
C803	0CE107WF6DC	MVK6.3TP16VC100M 100uF 20% 16V 110MA -40TO+
C804	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R -55TO+125C
C805	0CK102BK56A	0402B102K500CT 1nF 10% 50V X7R -55TO+125C 1
C806	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R -55TO+125C
C807	0CE107WF6DC	MVK6.3TP16VC100M 100uF 20% 16V 110MA -40TO+
C808	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R -55TO+125C
C809	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R -55TO+125C
C810	0CE106WFKDC	MVK4.0TP16VC10M 10uF 20% 16V 16MA -40TO+105
C810	0CE106WFKDC	MVK4.0TP16VC10M 10uF 20% 16V 16MA -40TO+105
C811	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R -55TO+125C
C812	0CE107WF6DC	MVK6.3TP16VC100M 100uF 20% 16V 110MA -40TO+
C9004	0CK102BK56A	0402B102K500CT 1nF 10% 50V X7R -55TO+125C 1
C9004	0CK102BK56A	0402B102K500CT 1nF 10% 50V X7R -55TO+125C 1
C9008	0CK106EF56A	C3216X7R1C106KT 10uF 10% 16V X7R -55TO+125C
C9010	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R -55TO+125C
C9011	0CE107WF6DC	MVK6.3TP16VC100M 100uF 20% 16V 110MA -40TO+
C9012	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R -55TO+125C
C9014	0CE475WK6DC	MVK5.0TP50VC4.7M 4.7uF 20% 50V 19MA -40TO+1
C9015	0CE107WF6DC	MVK6.3TP16VC100M 100uF 20% 16V 110MA -40TO+
C9016	0CC102CK41A	C1608C0G1H102JT 1nF 5% 50V C0G -55TO+125C 1
C9017	0CK106EF56A	C3216X7R1C106KT 10uF 10% 16V X7R -55TO+125C
C9019	0CK102BK56A	0402B102K500CT 1nF 10% 50V X7R -55TO+125C 1
C9019	0CK102BK56A	0402B102K500CT 1nF 10% 50V X7R -55TO+125C 1

LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
C9020	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R -55TO+125C
C9021	0CE107WF6DC	MVK6.3TP16VC100M 100uF 20% 16V 110MA -40TO+
C9022	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R -55TO+125C
C9023	0CE107WF6DC	MVK6.3TP16VC100M 100uF 20% 16V 110MA -40TO+
C9024	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R -55TO+125C
C9025	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R -55TO+125C
C9026	0CE107WF6DC	MVK6.3TP16VC100M 100uF 20% 16V 110MA -40TO+
C9027	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R -55TO+125C
C9027	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R -55TO+125C
C9028	0CK102BK56A	0402B102K500CT 1nF 10% 50V X7R -55TO+125C 1
C9029	0CK106EF56A	C3216X7R1C106KT 10uF 10% 16V X7R -55TO+125C
C9030	0CE107WF6DC	MVK6.3TP16VC100M 100uF 20% 16V 110MA -40TO+
C9031	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R -55TO+125C
C9032	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R -55TO+125C
C9033	0CE107WF6DC	MVK6.3TP16VC100M 100uF 20% 16V 110MA -40TO+
C9034	0CK102BK56A	0402B102K500CT 1nF 10% 50V X7R -55TO+125C 1
C9035	0CE107WF6DC	MVK6.3TP16VC100M 100uF 20% 16V 110MA -40TO+
C9036	0CK106EF56A	C3216X7R1C106KT 10uF 10% 16V X7R -55TO+125C
C9037	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R -55TO+125C
C9038	0CE107WF6DC	MVK6.3TP16VC100M 100uF 20% 16V 110MA -40TO+
C9080	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R -55TO+125C
C9082	0CE227SF6DC	MVG6.3TP16VC220M 220uF 20% 16V 130MA -40TO+
C9083	0CK103BH56A	C1005X7R1E103KT- 10nF 10% 25V X7R -55TO+125
C9083	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R -55TO+125C
C9084	0CE227SF6DC	MVG6.3TP16VC220M 220uF 20% 16V 130MA -40TO+
C9085	0CK106EF56A	C3216X7R1C106KT 10uF 10% 16V X7R -55TO+125C
		DIODEs
D300	0DSGD00038A	1N4148W 1.25V 100V 150MA 2A 4NSEC 410MW SOD
D301	0DRSE00038A	SDC15 1.3V 14.3VTO16.4V 21.2V 10A 300W SOT2
D302	0DRSE00038A	SDC15 1.3V 14.3VTO16.4V 21.2V 10A 300W SOT2
D303	0DD184009AA	KDS184 KDS184 TP KEC - 85V - - - 300MA KEC
D304	0DD184009AA	KDS184 KDS184 TP KEC - 85V - - - 300MA KEC
D402	0DD184009AA	KDS184 KDS184 TP KEC - 85V - - - 300MA KEC
D404	0DD184009AA	KDS184 KDS184 TP KEC - 85V - - - 300MA KEC
D405	0DD184009AA	KDS184 KDS184 TP KEC - 85V - - - 300MA KEC
D408	0DD184009AA	KDS184 KDS184 TP KEC - 85V - - - 300MA KEC
D9000	0DS226009AA	KDS226 1.2V 85V 300MA 2A 4NSEC 150MW SOT23
D9001	0DS226009AA	KDS226 1.2V 85V 300MA 2A 4NSEC 150MW SOT23
ZD104	0DZ560009DA	UDZS5.6B 5.6V 5.49TO5.73V 60OHM 200MW SOD32
ZD300	0DZ330009GB	UDZS3.3B 3.3V 3.32TO3.53V 120OHM 200MW SOD3
ZD405	0DZ360009EB	UDZS3.6B 3.6V 3.6TO3.845V 100OHM 200MW SOD3
ZD406	0DZ360009EB	UDZS3.6B 3.6V 3.6TO3.845V 100OHM 200MW SOD3
ZD407	0DZ560009DA	UDZS5.6B 5.6V 5.49TO5.73V 60OHM 200MW SOD32
ZD408	0DZ560009DA	UDZS5.6B 5.6V 5.49TO5.73V 60OHM 200MW SOD32
ZD409	0DZ560009DA	UDZS5.6B 5.6V 5.49TO5.73V 60OHM 200MW SOD32
ZD415	0DZ360009EB	UDZS3.6B 3.6V 3.6TO3.845V 100OHM 200MW SOD3
ZD416	0DZ560009DA	UDZS5.6B 5.6V 5.49TO5.73V 60OHM 200MW SOD32
ZD417	0DZ560009DA	UDZS5.6B 5.6V 5.49TO5.73V 60OHM 200MW SOD32
ZD418	0DZ560009DA	UDZS5.6B 5.6V 5.49TO5.73V 60OHM 200MW SOD32
ZD419	0DZ560009DA	UDZS5.6B 5.6V 5.49TO5.73V 60OHM 200MW SOD32
ZD502	0DZRM00248A	RLZ8.2B 8.2V 7.78TO8.19V 8OHM 500MW LL34 R/
ZD700	0DZ360009EB	UDZS3.6B 3.6V 3.6TO3.845V 100OHM 200MW SOD3
ZD705	0DZ360009EB	UDZS3.6B 3.6V 3.6TO3.845V 100OHM 200MW SOD3

LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
ZD710	0DZ560009DA	UDZS5.6B 5.6V 5.49TO5.73V 60OHM 200MW SOD32
ZD711	0DZ360009EB	UDZS3.6B 3.6V 3.6TO3.845V 100OHM 200MW SOD3
ZD712	0DZ360009EB	UDZS3.6B 3.6V 3.6TO3.845V 100OHM 200MW SOD3
		ICs
IC101	EAN32808701	XILLEON260 500MVTO2.1V,350MVTO3.6V,0VTO3.9V
IC200	EAN33624401	HYB18TC512160BF-3S 512MBIT 32M x 16bit 1.8V
IC201	EAN33931901	TC74LCX16373AFT 2V~3.6V 500uA LATCH TSSOP R
IC202	EAN33931901	TC74LCX16373AFT 2V~3.6V 500uA LATCH TSSOP R
IC203	EAN33624401	HYB18TC512160BF-3S 512MBIT 32M x 16bit 1.8V
IC206	EAN33624401	HYB18TC512160BF-3S 512MBIT 32M x 16bit 1.8V
IC207	0IMCRAL021A	AT24C512W-10SU-2.7 512KBIT 65536X8BIT 2.7VT
IC208	EAN33624401	HYB18TC512160BF-3S 512MBIT 32M x 16bit 1.8V
IC300	0IKE702900G	KIA7029AF -0.3TO15V 2.9V 500MW SOT89 R/TP 3
IC301	0IMCRSJ001B	SC1565IST-2.5TR 2.2TO5V 2.5V 0W SOT223 R/TP
IC302	0IPMG00049A	AZ1117H-1.8TR/E1[H13A] 3.2TO10V 1.8V 0W SOT
IC303	0IPMG00049A	AZ1117H-1.8TR/E1[H13A] 3.2TO10V 1.8V 0W SOT
IC304	EAN33573001	SC2621ASTRT 18V 0.5V~17.46V 25MW SOIC R/TP
IC305	0ISTLPH026A	74LVC14APW 1.2TO3.6V 0.01mA SCHMITT TRIGGER
IC306	0IPRP00009A	ICL3232CBNZ 3VTO5.5V - SSOP R/TP 16P INTER
IC307	0IKE702900G	KIA7029AF -0.3TO15V 2.9V 500MW SOT89 R/TP 3
IC308	0IPMGA0010A	AZ1117H-3.3 4.75TO10V 3.3V 0W SOT223 R/TP 3
IC310	0IMCRAL006A	AT24C16AN-10SU-2.7 16KBIT 2KX8BIT 2.7VTO5.5
IC400	0IMCRSJ001B	SC1565IST-2.5TR 2.2TO5V 2.5V 0W SOT223 R/TP
IC401	0IPMGA0010A	AZ1117H-3.3 4.75TO10V 3.3V 0W SOT223 R/TP 3
IC402	0IPRP00696E	MST3361MS-LF-170 3.3V_2.5V 170MHZ 10BIT 170
IC403	EAN32724701	STMAV335 4.0TO5.5V 5NSEC 5NSEC 0W TSSOP R/T
IC404	0IMMRCS012B	CAT24C08W-T(MST3000) 8KBIT 1KX8BIT 1.8VTO6V
IC405	0IMMRAL014D	AT24C02BN-SH-T 2KBIT 256x8BIT 1.8VTO5.5V 10
IC406	0IMMRAL014D	AT24C02BN-SH-T 2KBIT 256x8BIT 1.8VTO5.5V 10
IC407	0IMMRAL014D	AT24C02BN-SH-T 2KBIT 256x8BIT 1.8VTO5.5V 10
IC408	0IMMRAL014D	AT24C02BN-SH-T 2KBIT 256x8BIT 1.8VTO5.5V 10
IC409	EAN35942401	TMDS341APFCR 3TO3.6V 10NSEC 10NSEC 738MW TQ
IC501	0IPRPCI017A	CS8416-CZZR 3.13VTO3.46V,3.13VTO5.25V 0W TS
IC505	EAN32404601	NTP3000 7TO30V 5.5V 0.01% 60W 0W 0 2.1 MLF
IC507	0IPMG00049A	AZ1117H-1.8TR/E1[H13A] 3.2TO10V 1.8V 0W SOT
IC508	0IMCRMN028C	MSP4450K-QA-D6 7.6TO8.7V_4.75TO5.25V_3.15TO
IC700	EAN32662801	KA7809ERTM 35V to 40V 9V 1W DPAK R/TP 3P F
IC704	0IPMGKE030A	KIA78R05F 6TO12V 5V 8W DPAK R/TP 5P KEC CO
IC711	0IPMGKE030A	KIA78R05F 6TO12V 5V 8W DPAK R/TP 5P KEC CO
IC712	EAN32013101	MIC2505-2YM 2.7V TO 7.5V 5V 1W SOIC R/TP 8P
IC800	0IMCRTH002A	THC63LVD103 3VTO3.6V 1W TQFP TR 64P THINE
IC9000	0IPMGA0010A	AZ1117H-3.3 4.75TO10V 3.3V 0W SOT223 R/TP 3
IC9001	0IMCRSH001A	PQ05DZ1U 6TO16V 5V 8W D2PAK R/TP 5P SHARP
IC9002	0IPMG00049A	AZ1117H-1.8TR/E1[H13A] 3.2TO10V 1.8V 0W SOT
		TRANSISTORs & FETs
Q101	0TRIY80001A	2SC3052 NPN 6V 50V 50V 200MA 100NA 150TO800
Q102	0TRIY80001A	2SC3052 NPN 6V 50V 50V 200MA 100NA 150TO800
Q300	EBK32756101	Si4800BDY N-CHANNEL MOSFET 30V +-25 40A 0.0
Q301	EBK32756101	Si4800BDY N-CHANNEL MOSFET 30V +-25 40A 0.0
Q302	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50V 150MA 100NA 70
Q303	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50V 150MA 100NA 70

LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
Q304	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50V 150MA 100NA 70
Q305	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50V 150MA 100NA 70
Q308	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50V 150MA 100NA 70
Q310	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50V 150MA 100NA 70
Q311	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50V 150MA 100NA 70
Q315	EBK32756101	Si4800BDY N-CHANNEL MOSFET 30V +-25 40A 0.0
Q316	0TFDI80001B	2N7002(F) N-CHANNEL DMOSFET 60V +-20V 115MA
Q317	0TFDI80001B	2N7002(F) N-CHANNEL DMOSFET 60V +-20V 115MA
Q318	0TFDI80001B	2N7002(F) N-CHANNEL DMOSFET 60V +-20V 115MA
Q318	0TFDI80001B	2N7002(F) N-CHANNEL DMOSFET 60V +-20V 115MA
Q319	0TFDI80001B	2N7002(F) N-CHANNEL DMOSFET 60V +-20V 115MA
Q319	0TFDI80001B	2N7002(F) N-CHANNEL DMOSFET 60V +-20V 115MA
Q400	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50V 150MA 100NA 70
Q401	0TR104009AF	KRC104S NPN 40V 0V 50V 100MA 500NA 80 200MW
Q402	0TR104009AF	KRC104S NPN 40V 0V 50V 100MA 500NA 80 200MW
Q403	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50V 150MA 100NA 70
Q404	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50V 150MA 100NA 70
Q405	0TR104009AF	KRC104S NPN 40V 0V 50V 100MA 500NA 80 200MW
Q406	0TR104009AF	KRC104S NPN 40V 0V 50V 100MA 500NA 80 200MW
Q407	0TFDI80001B	2N7002(F) N-CHANNEL DMOSFET 60V +-20V 115MA
Q408	0TR830009BA	BSS83 N-CHANNEL MOSFET 10V 2 50MA 45OHM 230
Q409	0TR104009AF	KRC104S NPN 40V 0V 50V 100MA 500NA 80 200MW
Q410	0TR104009AF	KRC104S NPN 40V 0V 50V 100MA 500NA 80 200MW
Q411	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50V 150MA 100NA 70
Q503	0TFDI80001B	2N7002(F) N-CHANNEL DMOSFET 60V +-20V 115MA
Q504	0TFDI80001B	2N7002(F) N-CHANNEL DMOSFET 60V +-20V 115MA
Q505	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50V 150MA 100NA 70
Q506	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50V 150MA 100NA 70
Q508	0TR150400BA	2SA1504S(ASY) PNP -5V -50V -50V -0.15A -0.0
Q510	0TR150400BA	2SA1504S(ASY) PNP -5V -50V -50V -0.15A -0.0
Q511	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50V 150MA 100NA 70
Q512	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50V 150MA 100NA 70
Q513	0TR102009AM	KRA102S PNP -30V 0V -50V -0.1A -0.0000005A
Q514	0TFDI80001B	2N7002(F) N-CHANNEL DMOSFET 60V +-20V 115MA
Q515	0TFDI80001B	2N7002(F) N-CHANNEL DMOSFET 60V +-20V 115MA
Q516	0TFDI80001B	2N7002(F) N-CHANNEL DMOSFET 60V +-20V 115MA
Q602	0TFDI80001B	2N7002(F) N-CHANNEL DMOSFET 60V +-20V 115MA
Q603	0TFDI80001B	2N7002(F) N-CHANNEL DMOSFET 60V +-20V 115MA
Q702	0TFVI80067A	SI3865BDV(E3) N-CHANNEL MOSFET 8V +-8V 2.9A
Q800	EBK32753101	SI4925BDY P-CHANNEL MOSFET -30V +-20 -7.1A
Q801	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50V 150MA 100NA 70
Q9000	0TR150400BA	2SA1504S(ASY) PNP -5V -50V -50V -0.15A -0.0
Q9001	0TR150400BA	2SA1504S(ASY) PNP -5V -50V -50V -0.15A -0.0
Q9002	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50V 150MA 100NA 70
Q9081	0TR150400BA	2SA1504S(ASY) PNP -5V -50V -50V -0.15A -0.0
Q9082	0TR150400BA	2SA1504S(ASY) PNP -5V -50V -50V -0.15A -0.0
Q9083	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50V 150MA 100NA 70
Q9084	0TR150400BA	2SA1504S(ASY) PNP -5V -50V -50V -0.15A -0.0
RESISTORs		
AR100	EBC32260901	MNR04M0APJ102 1KOHM 5% 1/16W 4 SMD R/TP 8P
AR200	EBC33751901	MNR14M0ABJ180 18OHM 5% 1/16W 4 SMD R/TP 8P
AR201	EBC33751901	MNR14M0ABJ180 18OHM 5% 1/16W 4 SMD R/TP 8P
AR202	EBC33751901	MNR14M0ABJ180 18OHM 5% 1/16W 4 SMD R/TP 8P
AR203	EBC33751901	MNR14M0ABJ180 18OHM 5% 1/16W 4 SMD R/TP 8P
AR204	EBC33751901	MNR14M0ABJ180 18OHM 5% 1/16W 4 SMD R/TP 8P
AR205	EBC33751901	MNR14M0ABJ180 18OHM 5% 1/16W 4 SMD R/TP 8P
AR206	EBC33751901	MNR14M0ABJ180 18OHM 5% 1/16W 4 SMD R/TP 8P
AR207	EBC33751901	MNR14M0ABJ180 18OHM 5% 1/16W 4 SMD R/TP 8P
AR208	EBC33751901	MNR14M0ABJ180 18OHM 5% 1/16W 4 SMD R/TP 8P
AR209	EBC33751901	MNR14M0ABJ180 18OHM 5% 1/16W 4 SMD R/TP 8P
AR210	EBC33751901	MNR14M0ABJ180 18OHM 5% 1/16W 4 SMD R/TP 8P
AR211	EBC33751901	MNR14M0ABJ180 18OHM 5% 1/16W 4 SMD R/TP 8P
AR212	EBC33751901	MNR14M0ABJ180 18OHM 5% 1/16W 4 SMD R/TP 8P
AR213	EBC33751901	MNR14M0ABJ180 18OHM 5% 1/16W 4 SMD R/TP 8P
AR214	EBC33751901	MNR14M0ABJ180 18OHM 5% 1/16W 4 SMD R/TP 8P
AR215	EBC33751901	MNR14M0ABJ180 18OHM 5% 1/16W 4 SMD R/TP 8P
AR431	EBC32260601	MNR04M0APJ101 100OHM 5% 1/16W 4 SMD R/TP 8P
AR432	EBC32260601	MNR04M0APJ101 100OHM 5% 1/16W 4 SMD R/TP 8P
AR452	EBC32260601	MNR04M0APJ101 100OHM 5% 1/16W 4 SMD R/TP 8P
AR453	EBC32260601	MNR04M0APJ101 100OHM 5% 1/16W 4 SMD R/TP 8P
AR470	EBC32260601	MNR04M0APJ101 100OHM 5% 1/16W 4 SMD R/TP 8P
AR471	EBC32260601	MNR04M0APJ101 100OHM 5% 1/16W 4 SMD R/TP 8P
AR600	EBC32260501	MNR04M0APJ000 0OHM 5% 1/16W 4 SMD R/TP 8P 1
AR601	EBC32260501	MNR04M0APJ000 0OHM 5% 1/16W 4 SMD R/TP 8P 1
AR602	EBC32260501	MNR04M0APJ000 0OHM 5% 1/16W 4 SMD R/TP 8P 1
AR603	EBC32260501	MNR04M0APJ000 0OHM 5% 1/16W 4 SMD R/TP 8P 1
AR604	EBC32260501	MNR04M0APJ000 0OHM 5% 1/16W 4 SMD R/TP 8P 1
AR605	EBC32260501	MNR04M0APJ000 0OHM 5% 1/16W 4 SMD R/TP 8P 1
AR9007	0RJ0222C692	MNR04 M0APJ 220 22OHM 5% 1/16W 1005X4 R/TP
AR9008	0RJ0222C692	MNR04 M0APJ 220 22OHM 5% 1/16W 1005X4 R/TP
R101	0RH0000D622	MCR10EZHJ000 0OHM 5% 1/8W 2012 R/TP ROHM
R101	0RH1002D622	MCR10EZHJ103 10KOHM 5% 1/8W 2012 R/TP . RO
R101	0RH2702D622	MCR10EZHJ273 27KOHM 5% 1/8W 2012 R/TP ROHM
R1013	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R/TP ROHM
R1014	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R/TP ROHM
R1015	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R/TP ROHM
R1016	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R/TP ROHM
R1017	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R/TP ROHM
R1018	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R/TP ROHM
R1019	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R/TP ROHM
R102	0RH0000D622	MCR10EZHJ000 0OHM 5% 1/8W 2012 R/TP ROHM
R102	0RH1002D622	MCR10EZHJ103 10KOHM 5% 1/8W 2012 R/TP . RO
R102	0RH8201D622	MCR10EZHJ822 8.2KOHM 5% 1/8W 2012 R/TP ROH
R103	0RH2701D622	MCR10EZHJ272 2.7KOHM 5% 1/8W 2012 R/TP ROH
R103	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 1005 R/TP RO
R104	0RH9100D622	MCR10EZHJ911 910OHM 5% 1/8W 2012 R/TP ROHM
R104	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 1005 R/TP RO
R105	0RH2702D622	MCR10EZHJ273 27KOHM 5% 1/8W 2012 R/TP ROHM
R106	0RH8201D622	MCR10EZHJ822 8.2KOHM 5% 1/8W 2012 R/TP ROH
R107	0RH2701D622	MCR10EZHJ272 2.7KOHM 5% 1/8W 2012 R/TP ROH
R108	0RH0000D622	MCR10EZHJ000 0OHM 5% 1/8W 2012 R/TP ROHM
R108	0RH9100D622	MCR10EZHJ911 910OHM 5% 1/8W 2012 R/TP ROHM
R109	0RH0000D622	MCR10EZHJ000 0OHM 5% 1/8W 2012 R/TP ROHM
R109	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608 R/TP ROHM
R110	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608 R/TP ROHM
R112	0RH0000D622	MCR10EZHJ000 0OHM 5% 1/8W 2012 R/TP ROHM
R114	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 1005 R/TP ROH
R116	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 1005 R/TP ROH

LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
R117	0RH0000D622	MCR10EZHJ000 0OHM 5% 1/8W 2012 R/TP ROHM
R117	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 1005 R/TP ROH
R118	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 1005 R/TP ROH
R119	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 1005 R/TP ROH
R126	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 1005 R/TP - RO
R127	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 1005 R/TP ROH
R129	0RJ0182C478	MCR01MZPF180 18OHM 1% 1/16W 1005 R/TP ROHM
R130	0RJ0182C478	MCR01MZPF180 18OHM 1% 1/16W 1005 R/TP ROHM
R131	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 1005 R/TP ROH
R132	0RJ0332C678	MCR01MZPJ330 33OHM 5% 1/16W 1005 R/TP ROHM
R133	0RJ1001E478	MCR01MZPF102 1KOHM 1% 1/16W 1005 R/TP ROHM
R134	0RJ1001E478	MCR01MZPF102 1KOHM 1% 1/16W 1005 R/TP ROHM
R135	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 1005 R/TP RO
R136	0RJ1001E478	MCR01MZPF102 1KOHM 1% 1/16W 1005 R/TP ROHM
R137	0RJ1001E478	MCR01MZPF102 1KOHM 1% 1/16W 1005 R/TP ROHM
R139	0RJ1001C678	MCR01MZPJ102 1KOHM 5% 1/16W 1005 R/TP ROHM
R140	0RJ1001C678	MCR01MZPJ102 1KOHM 5% 1/16W 1005 R/TP ROHM
R142	0RJ1003C678	MCR01MZPJ104 100KOHM 5% 1/16W 1005 R/TP RO
R143	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R/TP ROHM
R146	0RJ0182C478	MCR01MZPF180 18OHM 1% 1/16W 1005 R/TP ROHM
R147	0RJ0182C478	MCR01MZPF180 18OHM 1% 1/16W 1005 R/TP ROHM
R148	EBC33834501	MCR03EZP5FX40R2 40.2OHM 1% 1/10W 1608 R/TP
R149	0RJ0471C678	MCR01MZPJ4R7 4.7OHM 5% 1/16W 1005 R/TP ROH
R150	0RJ1001C678	MCR01MZPJ102 1KOHM 5% 1/16W 1005 R/TP ROHM
R151	0RJ1001C678	MCR01MZPJ102 1KOHM 5% 1/16W 1005 R/TP ROHM
R153	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 1005 R/TP - RO
R154	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 1005 R/TP - RO
R155	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 1005 R/TP - RO
R156	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 1005 R/TP - RO
R160	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 1005 R/TP - RO
R161	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 1005 R/TP - RO
R163	EBC33834701	MCR03EZP5FX7150 715OHM 1% 1/10W 1608 R/TP
R164	EBC33834701	MCR03EZP5FX7150 715OHM 1% 1/10W 1608 R/TP
R165	0RJ0332C678	MCR01MZPJ330 33OHM 5% 1/16W 1005 R/TP ROHM
R166	0RJ0332C678	MCR01MZPJ330 33OHM 5% 1/16W 1005 R/TP ROHM
R167	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R/TP ROHM
R168	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 1005 R/TP ROH
R169	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 1005 R/TP ROH
R170	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R/TP ROHM
R171	0RJ0752C678	MCR01MZPJ750 75OHM 5% 1/16W 1005 R/TP ROHM
R172	0RJ0752C678	MCR01MZPJ750 75OHM 5% 1/16W 1005 R/TP ROHM
R179	0RJ0332C678	MCR01MZPJ330 33OHM 5% 1/16W 1005 R/TP ROHM
R180	0RJ0332C678	MCR01MZPJ330 33OHM 5% 1/16W 1005 R/TP ROHM
R181	0RJ0332C678	MCR01MZPJ330 33OHM 5% 1/16W 1005 R/TP ROHM
R182	0RJ0332C678	MCR01MZPJ330 33OHM 5% 1/16W 1005 R/TP ROHM
R190	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 1005 R/TP ROH
R192	0RJ3001C678	MCR01MZPJ302 3KOHM 5% 1/16W 1005 R/TP ROHM
R193	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 1005 R/TP ROH
R194	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 1005 R/TP ROH
R195	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 1005 R/TP ROH
R196	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 1005 R/TP ROH
R197	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 1005 R/TP ROH
R198	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 1005 R/TP ROH
R200	0RJ1001E478	MCR01MZPF102 1KOHM 1% 1/16W 1005 R/TP ROHM
R201	0RJ1001E478	MCR01MZPF102 1KOHM 1% 1/16W 1005 R/TP ROHM

LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
R202	0RJ0182C478	MCR01MZPF180 18OHM 1% 1/16W 1005 R/TP ROHM
R203	0RJ0182C478	MCR01MZPF180 18OHM 1% 1/16W 1005 R/TP ROHM
R204	0RJ0182C478	MCR01MZPF180 18OHM 1% 1/16W 1005 R/TP ROHM
R205	0RJ0182C478	MCR01MZPF180 18OHM 1% 1/16W 1005 R/TP ROHM
R215	0RJ1500C678	MCR01MZPJ151 150OHM 5% 1/16W 1005 R/TP ROH
R216	0RJ1500C678	MCR01MZPJ151 150OHM 5% 1/16W 1005 R/TP ROH
R217	0RJ0182C478	MCR01MZPF180 18OHM 1% 1/16W 1005 R/TP ROHM
R218	0RJ0182C478	MCR01MZPF180 18OHM 1% 1/16W 1005 R/TP ROHM
R219	0RJ0182C478	MCR01MZPF180 18OHM 1% 1/16W 1005 R/TP ROHM
R220	0RJ0182C478	MCR01MZPF180 18OHM 1% 1/16W 1005 R/TP ROHM
R228	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 1005 R/TP - RO
R229	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 1005 R/TP ROH
R230	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 1005 R/TP - RO
R232	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 1005 R/TP RO
R235	0RJ0182C478	MCR01MZPF180 18OHM 1% 1/16W 1005 R/TP ROHM
R236	0RJ0182C478	MCR01MZPF180 18OHM 1% 1/16W 1005 R/TP ROHM
R237	0RJ0182C478	MCR01MZPF180 18OHM 1% 1/16W 1005 R/TP ROHM
R238	0RJ0182C478	MCR01MZPF180 18OHM 1% 1/16W 1005 R/TP ROHM
R239	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 1005 R/TP RO
R240	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R/TP ROHM
R245	0RJ0182C478	MCR01MZPF180 18OHM 1% 1/16W 1005 R/TP ROHM
R246	0RJ0182C478	MCR01MZPF180 18OHM 1% 1/16W 1005 R/TP ROHM
R247	0RJ0182C478	MCR01MZPF180 18OHM 1% 1/16W 1005 R/TP ROHM
R248	0RJ0182C478	MCR01MZPF180 18OHM 1% 1/16W 1005 R/TP ROHM
R249	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 1005 R/TP RO
R250	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 1005 R/TP RO
R251	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 1005 R/TP RO
R256	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 1005 R/TP - RO
R257	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 1005 R/TP - RO
R300	0RJ3300C678	MCR01MZPJ331 330OHM 5% 1/16W 1005 R/TP ROH
R3000	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005 R/TP ROH
R3000	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005 R/TP ROH
R3005	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005 R/TP ROH
R3006	0RJ1003C678	MCR01MZPJ104 100KOHM 5% 1/16W 1005 R/TP RO
R301	0RJ1502C478	MCR01MZPF153 15KOHM 1% 1/16W 1005 R/TP ROH
R3012	0RJ1003C678	MCR01MZPJ104 100KOHM 5% 1/16W 1005 R/TP RO
R3014	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005 R/TP ROH
R3015	0RJ1003C678	MCR01MZPJ104 100KOHM 5% 1/16W 1005 R/TP RO
R3017	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 1005 R/TP RO
R3018	0RJ4700C678	MCR01MZPJ471 470OHM 5% 1/16W 1005 R/TP ROH
R3019	0RJ4700C678	MCR01MZPJ471 470OHM 5% 1/16W 1005 R/TP ROH
R302	0RJ4302D677	MCR03EZPJ433 43KOHM 5% 1/10W 1608 R/TP
R3020	0RJ4700C678	MCR01MZPJ471 470OHM 5% 1/16W 1005 R/TP ROH
R3022	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005 R/TP ROH
R3023	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 1005 R/TP RO
R3024	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 1005 R/TP RO
R3027	0RJ6802C678	MCR01MZPJ683 68KOHM 5% 1/16W 1005 R/TP - R
R3028	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005 R/TP ROH
R3029	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 1005 R/TP RO
R303	0RJ3300C678	MCR01MZPJ331 330OHM 5% 1/16W 1005 R/TP ROH
R3033	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005 R/TP ROH
R3034	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005 R/TP ROH
R3035	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 1005 R/TP RO
R3036	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005 R/TP ROH
R3037	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 1005 R/TP RO

LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
R304	0RJ1502C478	MCR01MZPF153 15KOHM 1% 1/16W 1005 R/TP ROH
R3041	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 1005 R/TP RO
R3042	0RJ3302C678	MCR01MZPJ333 33KOHM 5% 1/16W 1005 R/TP ROH
R3043	0RJ3300C678	MCR01MZPJ331 330OHM 5% 1/16W 1005 R/TP ROH
R3045	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005 R/TP ROH
R3046	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 1005 R/TP RO
R3047	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 1005 R/TP RO
R3048	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 1005 R/TP RO
R3049	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 1005 R/TP RO
R305	0RJ6801C678	MCR01MZPJ682 6.8KOHM 5% 1/16W 1005 R/TP RO
R3050	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 1005 R/TP RO
R3051	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 1005 R/TP RO
R3053	0RJ4700C678	MCR01MZPJ471 470OHM 5% 1/16W 1005 R/TP ROH
R3054	0RJ4700C678	MCR01MZPJ471 470OHM 5% 1/16W 1005 R/TP ROH
R3055	0RJ4700C678	MCR01MZPJ471 470OHM 5% 1/16W 1005 R/TP ROH
R306	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 1005 R/TP RO
R3061	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 1005 R/TP RO
R3062	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 1005 R/TP RO
R3066	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 1005 R/TP ROH
R3067	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 1005 R/TP ROH
R3068	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 1005 R/TP ROH
R307	0RJ2001E472	MCR10EZHF202 2KOHM 1% 1/8W 2012 R/TP ROHM
R3070	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 1005 R/TP RO
R3071	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 1005 R/TP RO
R3072	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 1005 R/TP RO
R3072	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 1005 R/TP RO
R3073	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 1005 R/TP RO
R3073	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 1005 R/TP RO
R308	0RJ2702C478	MCR01MZPF273 27KOHM 1% 1/16W 1005 R/TP ROH
R309	0RJ4703C678	MCR01MZPJ474 470KOHM 5% 1/16W 1005 R/TP -
R312	0RJ0511D677	MCR03EZPJ5R1 5.1OHM 5% 1/10W 1608 R/TP ROH
R313	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 1005 R/TP RO
R315	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R/TP ROHM
R316	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R/TP ROHM
R319	0RJ0101C678	MCR01MZPJ1R0 1OHM 5% 1/16W 1005 R/TP ROHM
R320	0RJ1001E478	MCR01MZPF102 1KOHM 1% 1/16W 1005 R/TP ROHM
R321	0RJ2002C478	MCR01MZPF203 20KOHM 1% 1/16W 1005 R/TP ROH
R322	0RJ1502C478	MCR01MZPF153 15KOHM 1% 1/16W 1005 R/TP ROH
R323	0RJ1201C678	MCR01MZPJ122 1.2KOHM 5% 1/16W 1005 R/TP RO
R326	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 1005 R/TP ROH
R328	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005 R/TP ROH
R330	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005 R/TP ROH
R331	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005 R/TP ROH
R345	0RJ2200C678	MCR01MZPJ221 220OHM 5% 1/16W 1005 R/TP ROH
R346	0RJ2200C678	MCR01MZPJ221 220OHM 5% 1/16W 1005 R/TP ROH
R347	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 1005 R/TP RO
R350	0RJ2000C678	MCR01MZPJ201 200OHM 5% 1/16W 1005 R/TP ROH
R354	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 1005 R/TP RO
R355	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 1005 R/TP RO
R356	0RJ4702C678	MCR01MZPJ473 47KOHM 5% 1/16W 1005 R/TP ROH
R358	0RJ4700C678	MCR01MZPJ471 470OHM 5% 1/16W 1005 R/TP ROH
R360	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 1005 R/TP - RO
R361	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R/TP ROHM
R362	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 1005 R/TP - RO
R363	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 1005 R/TP RO

LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
R365	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 1005 R/TP - RO
R366	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 1005 R/TP - RO
R367	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 1005 R/TP RO
R368	0RJ1502C678	MCR01MZPJ153 15KOHM 5% 1/16W 1005 R/TP ROH
R371	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 1005 R/TP RO
R372	0RJ4702C678	MCR01MZPJ473 47KOHM 5% 1/16W 1005 R/TP ROH
R373	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 1005 R/TP ROH
R374	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 1005 R/TP ROH
R375	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 1005 R/TP ROH
R376	0RJ6802C678	MCR01MZPJ683 68KOHM 5% 1/16W 1005 R/TP - R
R379	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005 R/TP ROH
R380	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 1005 R/TP - RO
R381	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 1005 R/TP RO
R381	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 1005 R/TP RO
R382	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 1005 R/TP - RO
R383	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005 R/TP ROH
R385	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R/TP ROHM
R386	0RJ6801C678	MCR01MZPJ682 6.8KOHM 5% 1/16W 1005 R/TP RO
R387	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005 R/TP ROH
R388	0RJ3302C678	MCR01MZPJ333 33KOHM 5% 1/16W 1005 R/TP ROH
R390	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R/TP ROHM
R391	0RJ6801C678	MCR01MZPJ682 6.8KOHM 5% 1/16W 1005 R/TP RO
R400	0RJ0332C678	MCR01MZPJ330 33OHM 5% 1/16W 1005 R/TP ROHM
R4001	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 1005 R/TP RO
R4003	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 1005 R/TP RO
R4004	0RJ4702C678	MCR01MZPJ473 47KOHM 5% 1/16W 1005 R/TP ROH
R4005	0RJ4702C678	MCR01MZPJ473 47KOHM 5% 1/16W 1005 R/TP ROH
R4007	0RJ4702C678	MCR01MZPJ473 47KOHM 5% 1/16W 1005 R/TP ROH
R4008	0RJ4702C678	MCR01MZPJ473 47KOHM 5% 1/16W 1005 R/TP ROH
R401	0RJ0332C678	MCR01MZPJ330 33OHM 5% 1/16W 1005 R/TP ROHM
R4012	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 1005 R/TP RO
R4013	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 1005 R/TP RO
R4014	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 1005 R/TP RO
R4015	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 1005 R/TP RO
R4016	0RJ5101C678	MCR01MZPJ512 5.1KOHM 5% 1/16W 1005 R/TP RO
R4017	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 1005 R/TP ROH
R4018	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 1005 R/TP RO
R4019	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 1005 R/TP RO
R402	0RJ0332C678	MCR01MZPJ330 33OHM 5% 1/16W 1005 R/TP ROHM
R4020	0RJ5101C678	MCR01MZPJ512 5.1KOHM 5% 1/16W 1005 R/TP RO
R4021	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 1005 R/TP ROH
R4022	0RJ1001C678	MCR01MZPJ102 1KOHM 5% 1/16W 1005 R/TP ROHM
R4023	0RJ1001C678	MCR01MZPJ102 1KOHM 5% 1/16W 1005 R/TP ROHM
R4024	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R/TP ROHM
R4025	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R/TP ROHM
R4026	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R/TP ROHM
R4027	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R/TP ROHM
R4028	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R/TP ROHM
R4029	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R/TP ROHM
R403	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 1005 R/TP RO
R4030	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R/TP ROHM
R4031	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R/TP ROHM
R4032	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R/TP ROHM
R4033	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R/TP ROHM
R4034	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R/TP ROHM

LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
R4035	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R/TP ROHM
R4036	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R/TP ROHM
R4037	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R/TP ROHM
R4038	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R/TP ROHM
R4039	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R/TP ROHM
R404	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 1005 R/TP RO
R4040	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R/TP ROHM
R4041	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R/TP ROHM
R4042	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R/TP ROHM
R4043	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R/TP ROHM
R4044	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 1005 R/TP RO
R4045	0RJ0332C678	MCR01MZPJ330 33OHM 5% 1/16W 1005 R/TP ROHM
R4046	0RJ0332C678	MCR01MZPJ330 33OHM 5% 1/16W 1005 R/TP ROHM
R4047	0RJ0332C678	MCR01MZPJ330 33OHM 5% 1/16W 1005 R/TP ROHM
R4048	0RJ0332C678	MCR01MZPJ330 33OHM 5% 1/16W 1005 R/TP ROHM
R4049	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 1005 R/TP RO
R405	0RJ3900C678	MCR01MZPJ391. 390OHM 5% 1/16W 1005 R/TP -
R4050	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 1005 R/TP RO
R4051	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 1005 R/TP RO
R4056	0RJ4703C678	MCR01MZPJ474 470KOHM 5% 1/16W 1005 R/TP -
R4057	0RJ4703C678	MCR01MZPJ474 470KOHM 5% 1/16W 1005 R/TP -
R4058	0RJ4703C678	MCR01MZPJ474 470KOHM 5% 1/16W 1005 R/TP -
R4059	0RJ4703C678	MCR01MZPJ474 470KOHM 5% 1/16W 1005 R/TP -
R406	0RJ0332C678	MCR01MZPJ330 33OHM 5% 1/16W 1005 R/TP ROHM
R4071	0RJ1001C678	MCR01MZPJ102 1KOHM 5% 1/16W 1005 R/TP ROHM
R4076	0RJ1001C678	MCR01MZPJ102 1KOHM 5% 1/16W 1005 R/TP ROHM
R408	0RJ0332C678	MCR01MZPJ330 33OHM 5% 1/16W 1005 R/TP ROHM
R4080	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R/TP ROHM
R4081	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R/TP ROHM
R4082	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R/TP ROHM
R4083	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R/TP ROHM
R4084	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R/TP ROHM
R4085	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R/TP ROHM
R4086	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R/TP ROHM
R4087	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R/TP ROHM
R4088	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R/TP ROHM
R4089	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R/TP ROHM
R409	0RJ0332C678	MCR01MZPJ330 33OHM 5% 1/16W 1005 R/TP ROHM
R4090	0RJ2702D677	MCR03EZPJ273 27KOHM 5% 1/10W 1608 R/TP ROH
R4091	0RJ1003D677	MCR03EZPJ104 100KOHM 5% 1/10W 1608 R/TP RO
R4092	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608 R/TP ROHM
R4093	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608 R/TP ROHM
R4095	0RJ5101C678	MCR01MZPJ512 5.1KOHM 5% 1/16W 1005 R/TP RO
R4096	0RJ1001C678	MCR01MZPJ102 1KOHM 5% 1/16W 1005 R/TP ROHM
R4097	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 1005 R/TP ROH
R4099	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 1005 R/TP RO
R410	0RJ0682C678	MCR01MZPJ680 68OHM 5% 1/16W 1005 R/TP ROHM
R4100	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 1005 R/TP RO
R4101	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 1005 R/TP RO
R4102	0RJ1001C678	MCR01MZPJ102 1KOHM 5% 1/16W 1005 R/TP ROHM
R4103	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 1005 R/TP RO
R4105	0RJ4702C678	MCR01MZPJ473 47KOHM 5% 1/16W 1005 R/TP ROH
R4106	0RJ4702C678	MCR01MZPJ473 47KOHM 5% 1/16W 1005 R/TP ROH
R4107	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 1005 R/TP RO
R4108	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 1005 R/TP RO

LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
R4109	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 1005 R/TP RO
R411	0RJ3900C678	MCR01MZPJ391. 390OHM 5% 1/16W 1005 R/TP -
R4110	0RJ0332C678	MCR01MZPJ330 33OHM 5% 1/16W 1005 R/TP ROHM
R4111	0RJ0332C678	MCR01MZPJ330 33OHM 5% 1/16W 1005 R/TP ROHM
R4116	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R/TP ROHM
R4117	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R/TP ROHM
R4118	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R/TP ROHM
R4119	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R/TP ROHM
R412	0RJ0332C678	MCR01MZPJ330 33OHM 5% 1/16W 1005 R/TP ROHM
R4120	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R/TP ROHM
R4121	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R/TP ROHM
R4122	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R/TP ROHM
R4123	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R/TP ROHM
R4124	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R/TP ROHM
R413	0RJ0332C678	MCR01MZPJ330 33OHM 5% 1/16W 1005 R/TP ROHM
R4138	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R/TP ROHM
R4139	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R/TP ROHM
R4140	0RJ0752C678	MCR01MZPJ750 75OHM 5% 1/16W 1005 R/TP ROHM
R4141	0RJ0752C678	MCR01MZPJ750 75OHM 5% 1/16W 1005 R/TP ROHM
R4142	0RJ0752C678	MCR01MZPJ750 75OHM 5% 1/16W 1005 R/TP ROHM
R4143	0RJ2000C678	MCR01MZPJ201 200OHM 5% 1/16W 1005 R/TP ROH
R4144	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R/TP ROHM
R4145	0RJ2000C678	MCR01MZPJ201 200OHM 5% 1/16W 1005 R/TP ROH
R4146	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005 R/TP ROH
R4147	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005 R/TP ROH
R4148	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R/TP ROHM
R415	0RJ0682C678	MCR01MZPJ680 68OHM 5% 1/16W 1005 R/TP ROHM
R4150	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005 R/TP ROH
R4151	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R/TP ROHM
R4152	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005 R/TP ROH
R4153	0RJ0752C678	MCR01MZPJ750 75OHM 5% 1/16W 1005 R/TP ROHM
R4154	0RJ0752C678	MCR01MZPJ750 75OHM 5% 1/16W 1005 R/TP ROHM
R4155	0RJ0752C678	MCR01MZPJ750 75OHM 5% 1/16W 1005 R/TP ROHM
R416	0RJ0332C678	MCR01MZPJ330 33OHM 5% 1/16W 1005 R/TP ROHM
R418	0RJ0682C678	MCR01MZPJ680 68OHM 5% 1/16W 1005 R/TP ROHM
R419	0RJ0752C678	MCR01MZPJ750 75OHM 5% 1/16W 1005 R/TP ROHM
R420	0RJ0752C678	MCR01MZPJ750 75OHM 5% 1/16W 1005 R/TP ROHM
R421	0RJ0752C678	MCR01MZPJ750 75OHM 5% 1/16W 1005 R/TP ROHM
R422	0RJ9101D477	MCR03EZPF912 9.1KOHM 1% 1/10W 1608 R/TP RO
R423	0RJ1800C678	MCR01MZPJ181 180OHM 5% 1/16W 1005 R/TP ROH
R424	0RJ9101D477	MCR03EZPF912 9.1KOHM 1% 1/10W 1608 R/TP RO
R425	0RJ1800C678	MCR01MZPJ181 180OHM 5% 1/16W 1005 R/TP ROH
R434	0RJ1002D677	MCR03EZPJ103 10KOHM 5% 1/10W 1608 R/TP ROH
R435	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005 R/TP ROH
R436	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005 R/TP ROH
R437	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005 R/TP ROH
R438	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005 R/TP ROH
R439	0RJ1001C678	MCR01MZPJ102 1KOHM 5% 1/16W 1005 R/TP ROHM
R440	0RJ1001C678	MCR01MZPJ102 1KOHM 5% 1/16W 1005 R/TP ROHM
R441	0RJ0332C678	MCR01MZPJ330 33OHM 5% 1/16W 1005 R/TP ROHM
R442	0RJ0332C678	MCR01MZPJ330 33OHM 5% 1/16W 1005 R/TP ROHM
R443	0RJ0332C678	MCR01MZPJ330 33OHM 5% 1/16W 1005 R/TP ROHM
R445	0RJ0332C678	MCR01MZPJ330 33OHM 5% 1/16W 1005 R/TP ROHM
R446	0RJ0332C678	MCR01MZPJ330 33OHM 5% 1/16W 1005 R/TP ROHM
R447	0RJ0332C678	MCR01MZPJ330 33OHM 5% 1/16W 1005 R/TP ROHM

LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
R448	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R/TP ROHM
R449	0RJ0332C478	MCR01MZPF330 33OHM 1% 1/16W 1005 R/TP ROHM
R450	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 1005 R/TP RO
R451	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 1005 R/TP RO
R454	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 1005 R/TP - RO
R455	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 1005 R/TP - RO
R456	0RJ0332C678	MCR01MZPJ330 33OHM 5% 1/16W 1005 R/TP ROHM
R457	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R/TP ROHM
R458	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R/TP ROHM
R459	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R/TP ROHM
R460	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 1005 R/TP ROH
R464	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 1005 R/TP RO
R465	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 1005 R/TP RO
R467	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 1005 R/TP ROH
R468	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 1005 R/TP ROH
R472	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 1005 R/TP ROH
R474	0RJ1001C678	MCR01MZPJ102 1KOHM 5% 1/16W 1005 R/TP ROHM
R475	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005 R/TP ROH
R476	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005 R/TP ROH
R477	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 1005 R/TP ROH
R478	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 1005 R/TP ROH
R481	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 1005 R/TP ROH
R491	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 1005 R/TP ROH
R492	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 1005 R/TP ROH
R496	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 1005 R/TP RO
R497	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 1005 R/TP RO
R5002	0RJ5601C678	MCR01MZPJ562 5.6KOHM 5% 1/16W 1005 R/TP RO
R5003	0RJ5601C678	MCR01MZPJ562 5.6KOHM 5% 1/16W 1005 R/TP RO
R5004	0RJ2001C678	MCR01MZPJ202 2KOHM 5% 1/16W 1005 R/TP ROHM
R5005	0RJ2001C678	MCR01MZPJ202 2KOHM 5% 1/16W 1005 R/TP ROHM
R5008	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R/TP ROHM
R5009	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R/TP ROHM
R5014	0RJ0471D677	MCR03EZPJ4R7 4.7OHM 5% 1/10W 1608 R/TP ROH
R5015	0RJ0471D677	MCR03EZPJ4R7 4.7OHM 5% 1/10W 1608 R/TP ROH
R5016	0RJ0471D677	MCR03EZPJ4R7 4.7OHM 5% 1/10W 1608 R/TP ROH
R5017	0RJ0471D677	MCR03EZPJ4R7 4.7OHM 5% 1/10W 1608 R/TP ROH
R5018	0RJ4701D677	MCR03EZPJ472 4.7KOHM 5% 1/10W 1608 R/TP PLS
R5019	0RJ4701D677	MCR03EZPJ472 4.7KOHM 5% 1/10W 1608 R/TP PLS
R5020	0RJ4701D677	MCR03EZPJ472 4.7KOHM 5% 1/10W 1608 R/TP PLS
R5021	0RJ4701D677	MCR03EZPJ472 4.7KOHM 5% 1/10W 1608 R/TP PLS
R5022	0RJ3302C678	MCR01MZPJ333 33KOHM 5% 1/16W 1005 R/TP ROH
R5023	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 1005 R/TP RO
R5024	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 1005 R/TP - RO
R5026	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 1005 R/TP RO
R5029	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608 R/TP ROHM
R5031	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 1608 R/TP ROH
R5034	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608 R/TP ROHM
R5035	0RJ0392D677	MCR03EZPJ390 39OHM 5% 1/10W 1608 R/TP ROHM
R5036	0RJ0392D677	MCR03EZPJ390 39OHM 5% 1/10W 1608 R/TP ROHM
R5037	0RJ0222D677	MCR03EZPJ220 22OHM 5% 1/10W 1608 R/TP ROHM
R5038	0RJ0222D677	MCR03EZPJ220 22OHM 5% 1/10W 1608 R/TP ROHM
R5039	0RJ2200D677	MCR03EZPJ221 220OHM 5% 1/10W 1608 R/TP ROH
R5040	0RJ2200D677	MCR03EZPJ221 220OHM 5% 1/10W 1608 R/TP ROH
R5041	0RJ1001D677	MCR03EZPJ102 1KOHM 5% 1/10W 1608 R/TP ROHM
R5042	0RJ1001D677	MCR03EZPJ102 1KOHM 5% 1/10W 1608 R/TP ROHM

LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
R5043	0RJ2200D677	MCR03EZPJ221 220OHM 5% 1/10W 1608 R/TP ROH
R5045	0RJ1001D677	MCR03EZPJ102 1KOHM 5% 1/10W 1608 R/TP ROHM
R5046	0RJ1001D677	MCR03EZPJ102 1KOHM 5% 1/10W 1608 R/TP ROHM
R5048	0RJ1001D677	MCR03EZPJ102 1KOHM 5% 1/10W 1608 R/TP ROHM
R5049	0RJ1001D677	MCR03EZPJ102 1KOHM 5% 1/10W 1608 R/TP ROHM
R5051	0RJ1001D677	MCR03EZPJ102 1KOHM 5% 1/10W 1608 R/TP ROHM
R5052	0RJ1001D677	MCR03EZPJ102 1KOHM 5% 1/10W 1608 R/TP ROHM
R5055	0RJ1001D677	MCR03EZPJ102 1KOHM 5% 1/10W 1608 R/TP ROHM
R5057	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 1608 R/TP ROH
R5058	0RJ1001D677	MCR03EZPJ102 1KOHM 5% 1/10W 1608 R/TP ROHM
R5059	0RJ2200D677	MCR03EZPJ221 220OHM 5% 1/10W 1608 R/TP ROH
R5060	0RJ2200D677	MCR03EZPJ221 220OHM 5% 1/10W 1608 R/TP ROH
R5061	0RJ2200D677	MCR03EZPJ221 220OHM 5% 1/10W 1608 R/TP ROH
R5062	0RJ2200D677	MCR03EZPJ221 220OHM 5% 1/10W 1608 R/TP ROH
R5063	0RJ2200D677	MCR03EZPJ221 220OHM 5% 1/10W 1608 R/TP ROH
R5068	0RJ4701D677	MCR03EZPJ472 4.7KOHM 5% 1/10W 1608 R/TP PLS
R5069	0RJ4701D677	MCR03EZPJ472 4.7KOHM 5% 1/10W 1608 R/TP PLS
R5070	0RJ2201D677	MCR03EZPJ222 2.2KOHM 5% 1/10W 1608 R/TP RO
R5071	0RJ2201D677	MCR03EZPJ222 2.2KOHM 5% 1/10W 1608 R/TP RO
R5072	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608 R/TP ROHM
R5073	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608 R/TP ROHM
R5076	0RJ4703D677	MCR03EZPJ474 470KOHM 5% 1/10W 1608 R/TP RO
R5077	0RJ2001D677	MCR03EZPJ202 2KOHM 5% 1/10W 1608 R/TP ROHM
R5078	0RJ2001D677	MCR03EZPJ202 2KOHM 5% 1/10W 1608 R/TP ROHM
R5079	0RJ4703D677	MCR03EZPJ474 470KOHM 5% 1/10W 1608 R/TP RO
R5080	0RJ1501D677	MCR03EZPJ152 1.5KOHM 5% 1/10W 1608 R/TP RO
R5081	0RJ1501D677	MCR03EZPJ152 1.5KOHM 5% 1/10W 1608 R/TP RO
R5082	0RJ1001D677	MCR03EZPJ102 1KOHM 5% 1/10W 1608 R/TP ROHM
R5083	0RJ1001D677	MCR03EZPJ102 1KOHM 5% 1/10W 1608 R/TP ROHM
R509	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R/TP ROHM
R514	0RJ1001C678	MCR01MZPJ102 1KOHM 5% 1/16W 1005 R/TP ROHM
R540	0RJ3301C678	MCR01MZPJ332 3.3KOHM 5% 1/16W 1005 R/TP RO
R541	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005 R/TP ROH
R542	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005 R/TP ROH
R543	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R/TP ROHM
R559	0RJ0331D677	MCR03EZPJ3R3 3.3OHM 5% 1/10W 1608 R/TP
R560	0RJ0331D677	MCR03EZPJ3R3 3.3OHM 5% 1/10W 1608 R/TP
R581	0RJ0331D677	MCR03EZPJ3R3 3.3OHM 5% 1/10W 1608 R/TP
R582	0RJ0331D677	MCR03EZPJ3R3 3.3OHM 5% 1/10W 1608 R/TP
R583	0RJ0331D677	MCR03EZPJ3R3 3.3OHM 5% 1/10W 1608 R/TP
R584	0RJ0331D677	MCR03EZPJ3R3 3.3OHM 5% 1/10W 1608 R/TP
R585	0RJ3001C678	MCR01MZPJ302 3KOHM 5% 1/16W 1005 R/TP ROHM
R586	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R/TP ROHM
R587	0RJ4702C678	MCR01MZPJ473 47KOHM 5% 1/16W 1005 R/TP ROH
R588	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 1005 R/TP - RO
R589	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 1005 R/TP - RO
R590	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 1005 R/TP - RO
R591	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 1005 R/TP - RO
R592	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 1005 R/TP - RO
R593	0RJ4702C678	MCR01MZPJ473 47KOHM 5% 1/16W 1005 R/TP ROH
R594	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 1005 R/TP - RO
R595	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 1005 R/TP - RO
R596	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005 R/TP ROH
R670	0RJ5601C678	MCR01MZPJ562 5.6KOHM 5% 1/16W 1005 R/TP RO
R670	0RJ6801C678	MCR01MZPJ682 6.8KOHM 5% 1/16W 1005 R/TP RO

LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
R671	0RJ5601C678	MCR01MZPJ562 5.6KOHM 5% 1/16W 1005 R/TP RO
R671	0RJ6801C678	MCR01MZPJ682 6.8KOHM 5% 1/16W 1005 R/TP RO
R672	0RJ2001C678	MCR01MZPJ202 2KOHM 5% 1/16W 1005 R/TP ROHM
R673	0RJ2001C678	MCR01MZPJ202 2KOHM 5% 1/16W 1005 R/TP ROHM
R678	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R/TP ROHM
R679	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R/TP ROHM
R680	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R/TP ROHM
R681	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R/TP ROHM
R682	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R/TP ROHM
R683	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R/TP ROHM
R684	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R/TP ROHM
R685	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R/TP ROHM
R700	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 1005 R/TP - RO
R701	0RJ0752C678	MCR01MZPJ750 75OHM 5% 1/16W 1005 R/TP ROHM
R702	0RJ1001C678	MCR01MZPJ102 1KOHM 5% 1/16W 1005 R/TP ROHM
R703	0RH0000D622	MCR10EZHJ000 0OHM 5% 1/8W 2012 R/TP ROHM
R7034	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R/TP ROHM
R7035	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R/TP ROHM
R704	0RH0000D622	MCR10EZHJ000 0OHM 5% 1/8W 2012 R/TP ROHM
R7049	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 1005 R/TP - RO
R705	0RJ0752C678	MCR01MZPJ750 75OHM 5% 1/16W 1005 R/TP ROHM
R706	0RH0000D622	MCR10EZHJ000 0OHM 5% 1/8W 2012 R/TP ROHM
R7080	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 1005 R/TP ROH
R7082	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 1005 R/TP ROH
R7083	0RJ0511D677	MCR03EZPJ5R1 5.1OHM 5% 1/10W 1608 R/TP ROH
R7084	0RJ0511D677	MCR03EZPJ5R1 5.1OHM 5% 1/10W 1608 R/TP ROH
R7085	0RJ1502C478	MCR01MZPF153 15KOHM 1% 1/16W 1005 R/TP ROH
R7086	0RJ1502C478	MCR01MZPF153 15KOHM 1% 1/16W 1005 R/TP ROH
R7087	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R/TP ROHM
R712	0RJ0752C678	MCR01MZPJ750 75OHM 5% 1/16W 1005 R/TP ROHM
R713	0RJ0752C678	MCR01MZPJ750 75OHM 5% 1/16W 1005 R/TP ROHM
R714	0RJ0752C678	MCR01MZPJ750 75OHM 5% 1/16W 1005 R/TP ROHM
R715	0RJ4703C678	MCR01MZPJ474 470KOHM 5% 1/16W 1005 R/TP -
R716	0RJ4703C678	MCR01MZPJ474 470KOHM 5% 1/16W 1005 R/TP -
R717	0RJ1001C678	MCR01MZPJ102 1KOHM 5% 1/16W 1005 R/TP ROHM
R718	0RJ4703C678	MCR01MZPJ474 470KOHM 5% 1/16W 1005 R/TP -
R719	0RJ4703C678	MCR01MZPJ474 470KOHM 5% 1/16W 1005 R/TP -
R720	0RJ0752C678	MCR01MZPJ750 75OHM 5% 1/16W 1005 R/TP ROHM
R721	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005 R/TP ROH
R723	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005 R/TP ROH
R724	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005 R/TP ROH
R726	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005 R/TP ROH
R728	0RJ1001C678	MCR01MZPJ102 1KOHM 5% 1/16W 1005 R/TP ROHM
R729	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005 R/TP ROH
R730	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 1005 R/TP ROH
R733	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005 R/TP ROH
R736	0RJ1001C678	MCR01MZPJ102 1KOHM 5% 1/16W 1005 R/TP ROHM
R737	0RJ1001C678	MCR01MZPJ102 1KOHM 5% 1/16W 1005 R/TP ROHM
R738	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 1005 R/TP ROH
R739	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R/TP ROHM
R740	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R/TP ROHM
R741	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R/TP ROHM
R744	0RJ4703C678	MCR01MZPJ474 470KOHM 5% 1/16W 1005 R/TP -
R745	0RJ4703C678	MCR01MZPJ474 470KOHM 5% 1/16W 1005 R/TP -
R748	0RJ0102C678	MCR01MZPJ100 10OHM 5% 1/16W 1005 R/TP ROHM

LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
R749	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R/TP ROHM
R750	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R/TP ROHM
R752	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 1005 R/TP - RO
R771	0RJ2203D677	MCR03EZPJ224 220KOHM 5% 1/10W 1608 R/TP RO
R772	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R/TP ROHM
R773	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R/TP ROHM
R774	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R/TP ROHM
R775	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R/TP ROHM
R777	0RJ2002D677	MCR03EZPJ203. 20KOHM 5% 1/10W 1608 R/TP RO
R778	0RJ1001C678	MCR01MZPJ102 1KOHM 5% 1/16W 1005 R/TP ROHM
R779	0RJ1001C678	MCR01MZPJ102 1KOHM 5% 1/16W 1005 R/TP ROHM
R782	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 1005 R/TP ROH
R783	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 1005 R/TP ROH
R784	0RJ0511D677	MCR03EZPJ5R1 5.1OHM 5% 1/10W 1608 R/TP ROH
R785	0RJ0511D677	MCR03EZPJ5R1 5.1OHM 5% 1/10W 1608 R/TP ROH
R786	0RJ1502C478	MCR01MZPF153 15KOHM 1% 1/16W 1005 R/TP ROH
R787	0RJ1502C478	MCR01MZPF153 15KOHM 1% 1/16W 1005 R/TP ROH
R800	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 1005 R/TP - RO
R801	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 1005 R/TP - RO
R802	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 1005 R/TP - RO
R804	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R/TP ROHM
R809	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R/TP ROHM
R812	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 1005 R/TP - RO
R813	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 1005 R/TP - RO
R814	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 1005 R/TP - RO
R815	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R/TP ROHM
R816	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R/TP ROHM
R817	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R/TP ROHM
R819	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005 R/TP ROH
R820	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 1005 R/TP ROH
R821	0RJ1001C678	MCR01MZPJ102 1KOHM 5% 1/16W 1005 R/TP ROHM
R9009	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 1005 R/TP - RO
R9010	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 1005 R/TP - RO
R9011	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 1005 R/TP - RO
R9012	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 1005 R/TP - RO
R9014	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R/TP ROHM
R9016	0RJ0471C678	MCR01MZPJ4R7 4.7OHM 5% 1/16W 1005 R/TP ROH
R9017	0RJ0471C678	MCR01MZPJ4R7 4.7OHM 5% 1/16W 1005 R/TP ROH
R9018	0RJ0822C678	MCR01MZPJ820 82OHM 5% 1/16W 1005 R/TP ROHM
R9020	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R/TP ROHM
R9022	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 1005 R/TP - RO
R9023	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 1005 R/TP - RO
R9024	0RJ3301C678	MCR01MZPJ332 3.3KOHM 5% 1/16W 1005 R/TP RO
R9027	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R/TP ROHM
R9028	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 1005 R/TP - RO
R9029	0RJ1202C678	MCR01MZPJ123 12KOHM 5% 1/16W 1005 R/TP ROH
R9030	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 1005 R/TP ROH
R9031	0RJ8201C478	MCR01MZPF8201 8.2KOHM 1% 1/16W 1005 R/TP R
R9033	0RJ4700C678	MCR01MZPJ471 470OHM 5% 1/16W 1005 R/TP ROH
R9034	0RJ1001C678	MCR01MZPJ102 1KOHM 5% 1/16W 1005 R/TP ROHM
R9035	0RJ3300C678	MCR01MZPJ331 330OHM 5% 1/16W 1005 R/TP ROH
R9036	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 1005 R/TP ROH
R9038	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R/TP ROHM
R9080	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R/TP ROHM
R9083	0RJ0752C678	MCR01MZPJ750 75OHM 5% 1/16W 1005 R/TP ROHM

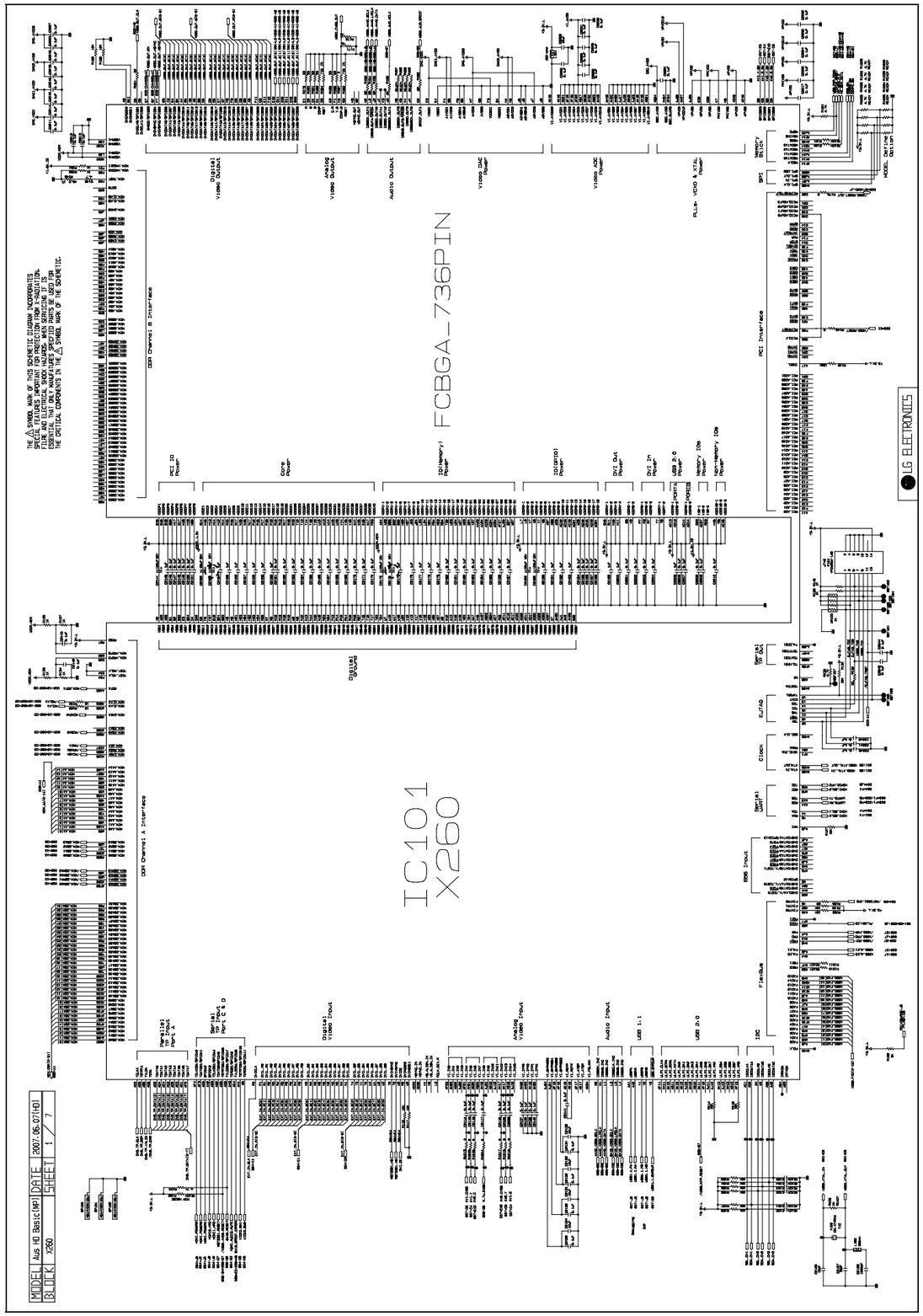
LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
R9084	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005 R/TP ROH
R9085	0RJ1500C678	MCR01MZPJ151 150OHM 5% 1/16W 1005 R/TP ROH
R9086	0RJ1001C678	MCR01MZPJ102 1KOHM 5% 1/16W 1005 R/TP ROHM
R9086	0RJ4700C678	MCR01MZPJ471 470OHM 5% 1/16W 1005 R/TP ROH
R9087	0RJ1500C678	MCR01MZPJ151 150OHM 5% 1/16W 1005 R/TP ROH
R9088	EBC32174201	MCR01MZP5J112 1.1KOHM 5% 1/16W 1005 R/TP R
R9089	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005 R/TP ROH
R9090	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R/TP ROHM
R9091	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R/TP ROHM
R9094	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R/TP ROHM
R9095	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R/TP ROHM

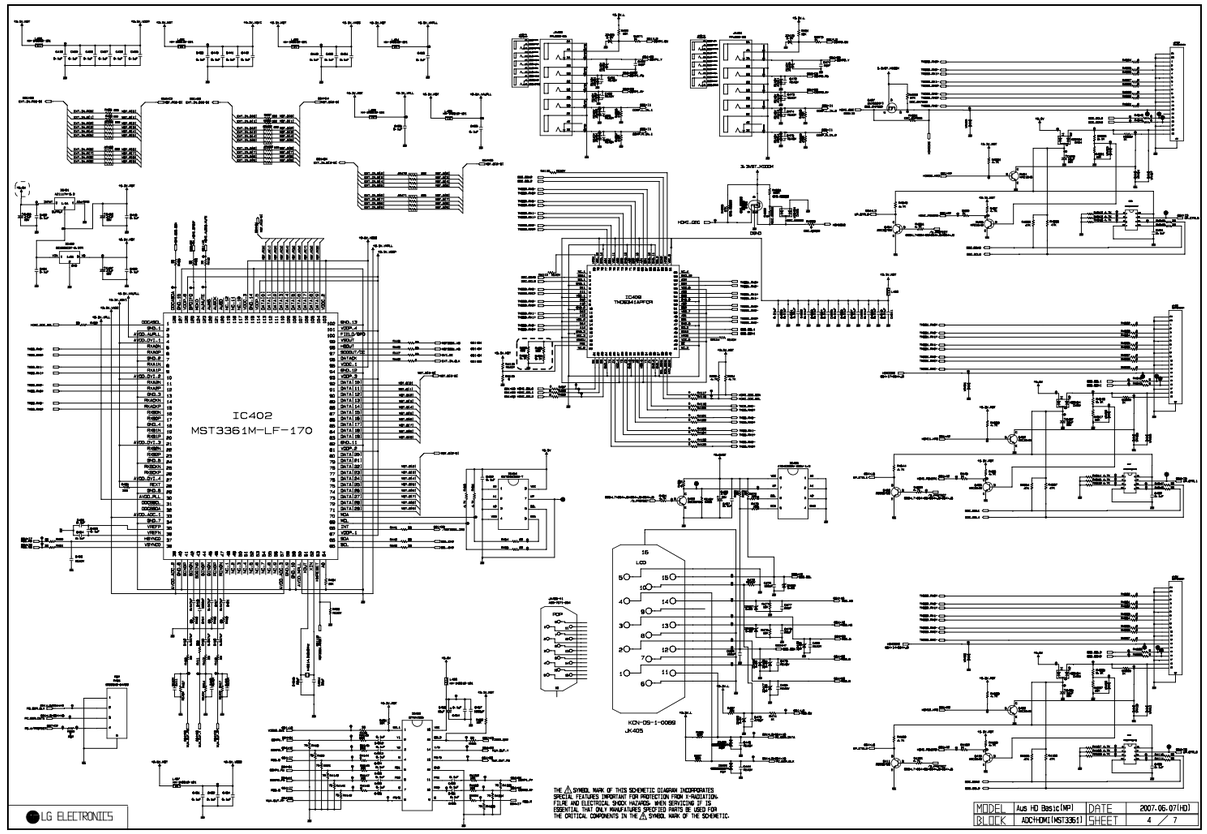
COILs & FILTERs & INDUCTORs

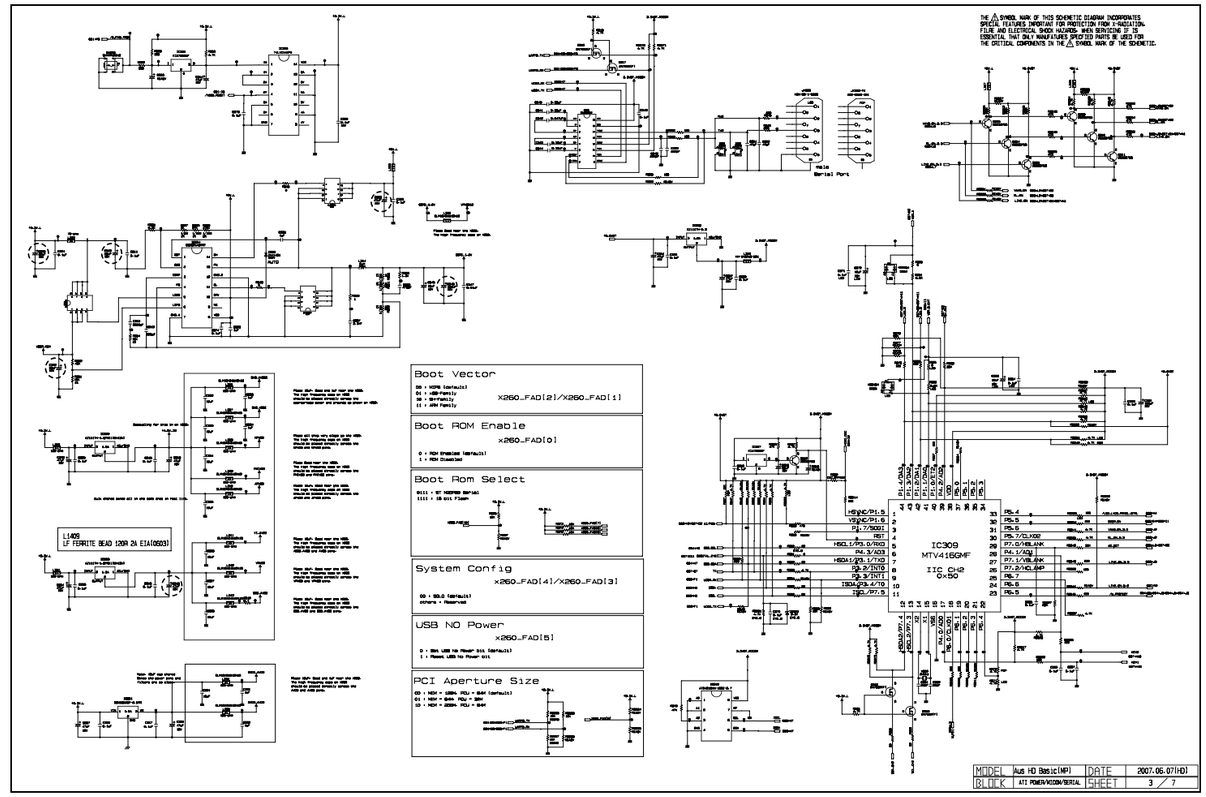
B101	0LCML00003B	Filter,Bead MLB-201209-0120P-N2 120OHM
B102	0LCML00003B	Filter,Bead MLB-201209-0120P-N2 120OHM
B103	0LCML00003B	Filter,Bead MLB-201209-0120P-N2 120OHM
FL741	EAM33010401	Filter,LCR MEM2012P25R0 EMI 25MHZ 100pF
FL742	EAM33010401	Filter,LCR MEM2012P25R0 EMI 25MHZ 100pF
FL743	EAM33010401	Filter,LCR MEM2012P25R0 EMI 25MHZ 100pF
FL744	EAM33010401	Filter,LCR MEM2012P25R0 EMI 25MHZ 100pF
FL745	EAM33010401	Filter,LCR MEM2012P25R0 EMI 25MHZ 100pF
FL746	EAM33010401	Filter,LCR MEM2012P25R0 EMI 25MHZ 100pF
FL747	EAM33010401	Filter,LCR MEM2012P25R0 EMI 25MHZ 100pF
L100	EAP32632801	Inductor,Wire Wound,Chip 0805CS-391XJLC 390NH
L101	6210TCE001G	Filter,Bead HH-1M3216-501JT 500OHM 3.2X1.6X1.3MM
L101	EAM32500502	Filter,Bead BLM18AG151SN1D 150ohm 200mAP
L102	6210TCE001G	Filter,Bead HH-1M3216-501JT 500OHM 3.2X1.6X1.3MM
L200	EAM32500503	Filter,Bead BLM18AG221SN1D 220ohm 200mAP
L201	EAM32500503	Filter,Bead BLM18AG221SN1D 220ohm 200mAP
L202	EAM32500503	Filter,Bead BLM18AG221SN1D 220ohm 200mAP
L203	EAM32500503	Filter,Bead BLM18AG221SN1D 220ohm 200mAP
L300	6200J00005N	Filter,Bead HH-1M2012-121JT(H:1mm) 120OHM
L301	6200J00005N	Filter,Bead HH-1M2012-121JT(H:1mm) 120OHM
L302	EAM32500902	Filter,Bead BLM18SG700TN1D 70ohm 4000mAP
L304	EAM32500502	Filter,Bead BLM18AG151SN1D 150ohm 200mAP
L305	EAM32500502	Filter,Bead BLM18AG151SN1D 150ohm 200mAP
L306	EAM32500502	Filter,Bead BLM18AG151SN1D 150ohm 200mAP
L307	EAM32500502	Filter,Bead BLM18AG151SN1D 150ohm 200mAP
L308	EAM32500502	Filter,Bead BLM18AG151SN1D 150ohm 200mAP
L309	EAM32500502	Filter,Bead BLM18AG151SN1D 150ohm 200mAP
L310	EAM32500502	Filter,Bead BLM18AG151SN1D 150ohm 200mAP
L311	EAM32500203	Filter,Bead BLM18PG121SN1D 120ohm 2000mA
L312	EAM32500502	Filter,Bead BLM18AG151SN1D 150ohm 200mAP
L313	EAM32500502	Filter,Bead BLM18AG151SN1D 150ohm 200mAP
L314	EAP32842801	Inductor,Wire Wound,Chip NR8040T2R0M 2UH 6.3A
L315	EAM32500502	Filter,Bead BLM18AG151SN1D 150ohm 200mAP
L316	6210TCE001G	Filter,Bead HH-1M3216-501JT 500OHM 3.2X1.6X1.3MM
L317	0LC2000005K	Inductor,Multilayer,Chip FI-D2012-223KJT(CE) 22UH
L318	0LC2000005K	Inductor,Multilayer,Chip FI-D2012-223KJT(CE) 22UH
L320	EAM32500902	Filter,Bead BLM18SG700TN1D 70ohm 4000mAP
L400	6200J00005N	Filter,Bead HH-1M2012-121JT(H:1mm) 120OHM
L401	6200J00005N	Filter,Bead HH-1M2012-121JT(H:1mm) 120OHM
L402	6200J00005N	Filter,Bead HH-1M2012-121JT(H:1mm) 120OHM
L403	6200J00005N	Filter,Bead HH-1M2012-121JT(H:1mm) 120OHM

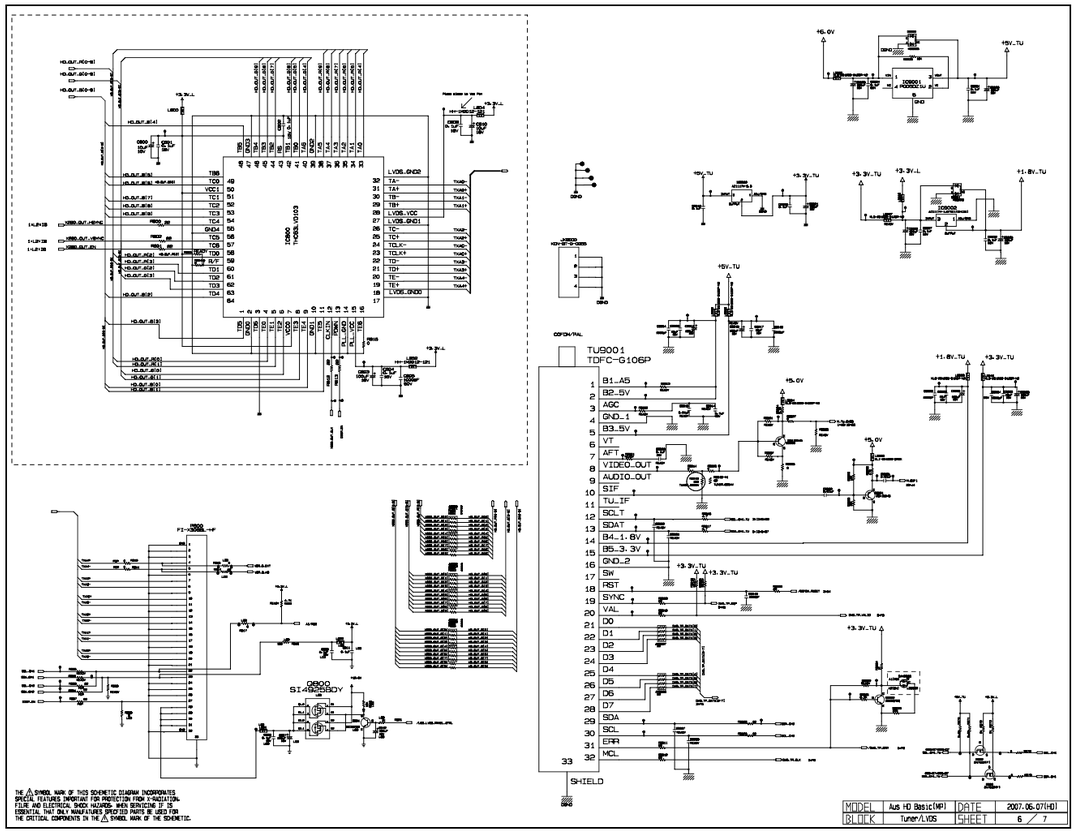
LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
L404	6200J00005N	Filter,Bead HH-1M2012-121JT(H:1mm) 120OHM
L405	6200J00005N	Filter,Bead HH-1M2012-121JT(H:1mm) 120OHM
L406	6200J00005N	Filter,Bead HH-1M2012-121JT(H:1mm) 120OHM
L407	6200J00005N	Filter,Bead HH-1M2012-121JT(H:1mm) 120OHM
L408	6200J00005N	Filter,Bead HH-1M2012-121JT(H:1mm) 120OHM
L501	0LCML00020B	Inductor,Multilayer,Chip MLI-201209-6R8K 6.8UH
L504	6200J00005N	Filter,Bead HH-1M2012-121JT(H:1mm) 120OHM
L505	6200J00005N	Filter,Bead HH-1M2012-121JT(H:1mm) 120OHM
L508	6200J00005N	Filter,Bead HH-1M2012-121JT(H:1mm) 120OHM
L510	EAP32842805	Inductor,Wire Wound,Chip NR8040T150M 15UH
L511	EAP32842805	Inductor,Wire Wound,Chip NR8040T150M 15UH
L512	EAP32842805	Inductor,Wire Wound,Chip NR8040T150M 15UH
L513	EAP32842805	Inductor,Wire Wound,Chip NR8040T150M 15UH
L515	6200J00005N	Filter,Bead HH-1M2012-121JT(H:1mm) 120OHM
L516	6200J00005N	Filter,Bead HH-1M2012-121JT(H:1mm) 120OHM
L517	6200J00005N	Filter,Bead HH-1M2012-121JT(H:1mm) 120OHM
L518	6200J00005N	Filter,Bead HH-1M2012-121JT(H:1mm) 120OHM
L520	0LC2232101A	Inductor,Multilayer,Chip FI-D3216-223KJT 22UH
L521	0LC2232101A	Inductor,Multilayer,Chip FI-D3216-223KJT 22UH
L522	0LC2232101A	Inductor,Multilayer,Chip FI-D3216-223KJT 22UH
L700	0LC2220101A	Inductor,Multilayer,Chip FI-B2012-222KJT 2.2UH
L701	0LC2220101A	Inductor,Multilayer,Chip FI-B2012-222KJT 2.2UH
L702	0LC2220101A	Inductor,Multilayer,Chip FI-B2012-222KJT 2.2UH
L703	0LC2220101A	Inductor,Multilayer,Chip FI-B2012-222KJT 2.2UH
L706	6200J00005N	Filter,Bead HH-1M2012-121JT(H:1mm) 120OHM
L708	0LC2220101A	Inductor,Multilayer,Chip FI-B2012-222KJT 2.2UH
L709	0LC2220101A	Inductor,Multilayer,Chip FI-B2012-222KJT 2.2UH
L712	6200J00005N	Filter,Bead HH-1M2012-121JT(H:1mm) 120OHM
L715	6200J00005N	Filter,Bead HH-1M2012-121JT(H:1mm) 120OHM
L716	6200J00005N	Filter,Bead HH-1M2012-121JT(H:1mm) 120OHM
L720	6200J00005N	Filter,Bead HH-1M2012-121JT(H:1mm) 120OHM
L723	6210TCE001S	Filter,Bead HU-1M2012-121 120OHMD R/TP
L724	6210TCE001S	Filter,Bead HU-1M2012-121 120OHMD R/TP
L725	6210TCE001S	Filter,Bead HU-1M2012-121 120OHMD R/TP
L726	6210TCE001S	Filter,Bead HU-1M2012-121 120OHMD R/TP
L729	EAM33010401	Filter,LCR MEM2012P25R0 EMI 25MHZ 100pF
L730	EAM33010401	Filter,LCR MEM2012P25R0 EMI 25MHZ 100pF
L731	EAM33010401	Filter,LCR MEM2012P25R0 EMI 25MHZ 100pF
L732	EAM33010401	Filter,LCR MEM2012P25R0 EMI 25MHZ 100pF
L751	EAM37276902	Filter,LCR LCF20P101-TM LPF(EMI) 100MHZ
L752	EAM37276902	Filter,LCR LCF20P101-TM LPF(EMI) 100MHZ
L753	EAM37276902	Filter,LCR LCF20P101-TM LPF(EMI) 100MHZ
L755	6200J00005N	Filter,Bead HH-1M2012-121JT(H:1mm) 120OHM
L800	6200J00005N	Filter,Bead HH-1M2012-121JT(H:1mm) 120OHM
L801	0LCML00003B	Filter,Bead MLB-201209-0120P-N2 120OHM
L802	6200J00005N	Filter,Bead HH-1M2012-121JT(H:1mm) 120OHM
L803	0LCML00003B	Filter,Bead MLB-201209-0120P-N2 120OHM
L804	6200J00005N	Filter,Bead HH-1M2012-121JT(H:1mm) 120OHM
L9002	0LCML00003B	Filter,Bead MLB-201209-0120P-N2 120OHM
L9003	0LCML00003B	Filter,Bead MLB-201209-0120P-N2 120OHM
L9004	0LCML00003B	Filter,Bead MLB-201209-0120P-N2 120OHM
L9005	0LCML00003B	Filter,Bead MLB-201209-0120P-N2 120OHM
L9006	0LCML00020B	Inductor,Multilayer,Chip MLI-201209-6R8K 6.8UH
L9007	0LCML00003B	Filter,Bead MLB-201209-0120P-N2 120OHM
L9008	0LCML00003B	Filter,Bead MLB-201209-0120P-N2 120OHM

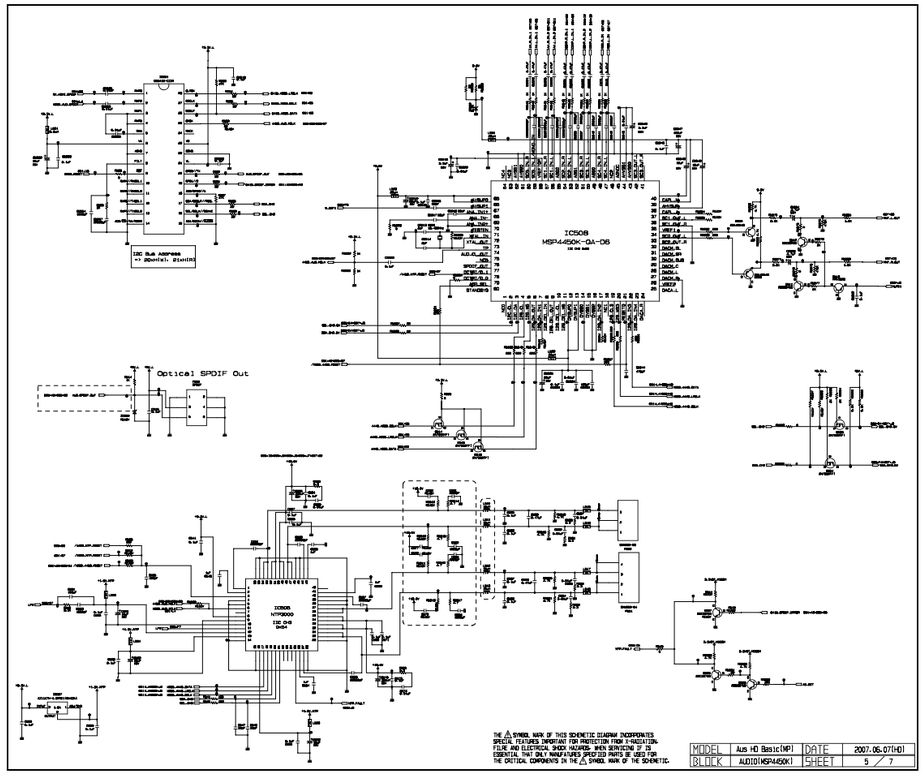
LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
L9009	0LCML00003B	Filter,Bead MLB-201209-0120P-N2 120OHM
L9010	0LCML00003B	Filter,Bead MLB-201209-0120P-N2 120OHM
L9080	6200J00005N	Filter,Bead HH-1M2012-121JT(H:1mm) 120OHM
R103	0LC2232101A	Inductor,Multilayer,Chip FI-D3216-223KJT 22UH
	6210VH0004B	Filter,Ferrite Core ZCAT1518-0730-M- K 65OHM
		CONNECTORs
J300	6630G00001C	KCN-DS-1-0088 D-SUB 9P 2.77MM STRAIGHT MALE
J405	6630TGA004K	KCN-DS-1-0089 D-SUB 15P 2.29MM STRAIGHT FEM
JK300	6630G00001C	KCN-DS-1-0088 D-SUB 9P 2.77MM STRAIGHT MALE
JK405	6630TGA004K	KCN-DS-1-0089 D-SUB 15P 2.29MM STRAIGHT FEM
P102	6602T20008N	SMW200-14P 14P 2.00MM 1R STRAIGHT DIP ST NA
P102	6602T20009C	SMAW200-04P 4P 2.00MM 1R ANGLE DIP ST NATUR
P102	6602T20009C	SMAW200-04P 4P 2.00MM 1R ANGLE DIP ST NATUR
P103	6602T20009L	SMAW200-12P 12P 2.00MM 1R ANGLE DIP ST NATU
P103	6630SK00604	UAR27-4K2300 A 1P 2.50MM ANGLE DIP ST 4PIN
P104	6602T25008B	SMW250-03P 3P 2.50MM 1R STRAIGHT DIP ST NAT
P105	6602T20008D	SMW200-05P 5P 2.00MM 1R STRAIGHT DIP ST NAT
P501	6602T25008C	SMW250-04P 4P 2.50MM 1R STRAIGHT DIP ST NAT
P502	6602T25008B	SMW250-03P 3P 2.50MM 1R STRAIGHT DIP ST NAT
P700	6602T20008N	SMW200-14P 14P 2.00MM 1R STRAIGHT DIP ST NA
P701	6602T25008M	SMW250-13P 13P 2.50MM 1R STRAIGHT DIP ST NA
P702	6602T25008J	SMW250-10P 10P 2.50MM 1R ANGLE DIP BK BLACK
P703	6602T20008L	SMW200-12P 12P 2.00MM 1R STRAIGHT DIP ST NA
P712	6602T20008D	SMW200-05P 5P 2.00MM 1R STRAIGHT DIP ST NAT
P800	6630V90116A	FI-X30SSL-HF 30P 1.00MM 1R ANGLE WHI
	6630V90142A	TPH254-R-1419-6A 6P 2.54MM 2R ANGLE DIP BK
	6631900010L	12P 2.0MM 700MM SMH200 SMH200 700mM 2.00MM
	6631900012D	6631900012D SMH250 SMH250 250mM 2.50MM 10P
	6631900015R	SMH250 SMH250 150mM 2.50MM 3P UL1007AWG24 T
	6631900018C	6631900018C SMH250 TERMINAL(35097-9802) 200
	6631900027C	SMH250 SMH250 200mM 2.50MM 13P UL1007 AWG24
	6631900048A	SMH200-4P SMH200-4P 200mM 2.00MM 4P UL1061
	6631900102A	SMH250 SMP250 300mM 2.50MM 3P UL1007 AWG24
	6631T20033K	SMH200-14P SMH200-14P 500mM 2.00MM 14P UL11
	EAD30301901	DMS 4P CONNECTOR ASSY SMH200-04P SMH200-04P
	EAD35683006	LVDS LPL STANDARD_200mm FI-X30HL(JAE) FI-X3
	EAD35907801	BDMR-02VS-2 35001HS-02L 250MM 3.50MM 2P UL3
	EAD35907902	High Power(PVC TUBE) BDMR-02VS-2 35001HS-02
	EAD35982901	12507HS-04L SMH200 350MM 1.25/2.0MM 4P UL10
	EAD36548801	SMH200 SMH200 400MM 2.00MM 5P UL2725 AWG26
	EAD36608901	SMH200-12P SMH200-12PL 100MM 2.00MM 12P UL1
		JACKs
J101	6612J10003X	PMJ6054-39 14.0MM 1RX3C ANGLE BK SCREW HOLE
J400	6612J10031A	PPJ209-02 14.0MM 1RX5C STRAIGHT TR 5PORTS_G
J401	6612J10031A	PPJ209-02 14.0MM 1RX5C STRAIGHT TR 5PORTS_G
J402	6612B00015B	DC1R019WDH SOCKET 21P STRAIGHT SMD R/TP - -
J403	6612B00015B	DC1R019WDH SOCKET 21P STRAIGHT SMD R/TP - -
J404	6612B00015B	DC1R019WDH SOCKET 21P STRAIGHT SMD R/TP - -
J702	6612F00099A	PEJ024-01 1P 4P STRAIGHT TR 3.6MM BLACK DIP
J703	6612F00099A	PEJ024-01 1P 4P STRAIGHT TR 3.6MM BLACK DIP
J704	6612J10043A	PPJ200-07 15MM 1RX4C ANGLE BK 3P DONGGUAN
J705	6612J00062H	PMJ029-01 14P DIN/RCA 14MM STRAIGHT DIP TR
J706	EAG35542201	PPJ204-01 12.0MM 1RX1C STRAIGHT BK YELLOW
J9000	6612J10025A	KCN-BT-0-0055 4P PAL/RCA - ANGLE DIP TR RCA
JK400	6612J10031A	PPJ209-02 14.0MM 1RX5C STRAIGHT TR 5PORTS_G
JK401	6612J10031A	PPJ209-02 14.0MM 1RX5C STRAIGHT TR 5PORTS_G
JK402	6612B00015B	DC1R019WDH SOCKET 21P STRAIGHT SMD R/TP - -
JK403	6612B00015B	DC1R019WDH SOCKET 21P STRAIGHT SMD R/TP - -
JK404	6612B00015B	DC1R019WDH SOCKET 21P STRAIGHT SMD R/TP - -
JK702	6612F00099A	PEJ024-01 1P 4P STRAIGHT TR 3.6MM BLACK DIP
JK703	6612F00099A	PEJ024-01 1P 4P STRAIGHT TR 3.6MM BLACK DIP
JK704	6612J10043A	PPJ200-07 15MM 1RX4C ANGLE BK 3P DONGGUAN
JK705	6612J00062H	PMJ029-01 14P DIN/RCA 14MM STRAIGHT DIP TR
JK706	EAG35542201	PPJ204-01 12.0MM 1RX1C STRAIGHT BK YELLOW
JK9000	6612J10025A	KCN-BT-0-0055 4P PAL/RCA - ANGLE DIP TR RCA
	EAG32151101	TOX177L(F,T) 3P TX 2.54MM ANGLE 15BPS DIP S
		SWITCHes
SW101	140-313B	KPT-1115AM 1C1P 12VDC 0.05A HORIZONTAL 160G
SW102	140-313B	KPT-1115AM 1C1P 12VDC 0.05A HORIZONTAL 160G
SW103	140-313B	KPT-1115AM 1C1P 12VDC 0.05A HORIZONTAL 160G
SW104	140-313B	KPT-1115AM 1C1P 12VDC 0.05A HORIZONTAL 160G
SW105	140-313B	KPT-1115AM 1C1P 12VDC 0.05A HORIZONTAL 160G
SW106	140-313B	KPT-1115AM 1C1P 12VDC 0.05A HORIZONTAL 160G
SW107	140-313B	KPT-1115AM 1C1P 12VDC 0.05A HORIZONTAL 160G
SW108	140-313B	KPT-1115AM 1C1P 12VDC 0.05A HORIZONTAL 160G
SW300	6600VR1004A	SKHMPWE010 1C1P 12VDC 0.05A HORIZONTAL 160.
		OTHERs
D9002	0DL233309AC	LED,Chip SAM2333 RED/Y-GREEN 2.7V 2.8V
IC205	SAA30889007	S/W,Firmware 3.00.0 6D85 AUSTRALIA FLASH ROM
IC309	SAA30807203	S/W,Firmware 3.00 86B9 AUSTRALIA QFP uMicom
LD700	0DL233309AC	LED,Chip SAM2333 RED/Y-GREEN 2.7V 2.8V
LD701	0DL233309AC	LED,Chip SAM2333 RED/Y-GREEN 2.7V 2.8V
LD702	0DL233309AC	LED,Chip SAM2333 RED/Y-GREEN 2.7V 2.8V
LD9002	0DL233309AC	LED,Chip SAM2333 RED/Y-GREEN 2.7V 2.8V
LED1	0DLBE0138AA	LED,DIP BL-BUBGE301 ROUND 3MM
LED700	0DL233309AC	LED,Chip SAM2333 RED/Y-GREEN 2.7V 2.8V
LED701	0DL233309AC	LED,Chip SAM2333 RED/Y-GREEN 2.7V 2.8V
LED702	0DL233309AC	LED,Chip SAM2333 RED/Y-GREEN 2.7V 2.8V
P500	6871VSMFA8A	PCB Assembly,Sub SUB M.I AF05FD 50PX2D-UD
PA101	6712000013A	Receiver Module TSOP4438SO1 4.5TO5.5V 1.5MA
TU9001	EBL32961502	Tuner,Digital TDFC-G106P DVB-T/PAL
	68509A0004E	Cable,Assembly RCA JACK RCA JACK 1.0M
		ACCESSORY
A1	MFL37734802	Manual,Owners LB75A BRAND 42/47LB7DF-AA Sim
A2	MKJ32022832	Remote Controller AUSTRALIA, FULL HD,
A21	3550V00590A	Cover MOLD BATTERY TN-50PY20 ABS 6710V00142
A3	6410TSW003A	Power Cord LP-23A+SAG18N<B10A&LS-13_1.87M_BLK
A4	SAC30653104	Title LB75A_47LB7DF-AA EN(1) FULL ATL DVR CD MA
A5	49519K0002A	Plate Assembly SUPPORTER UPPER 26INCH
A6	ABA32985001	Bracket Assembly STAND 32LB9D-UA LA73A 32LB9

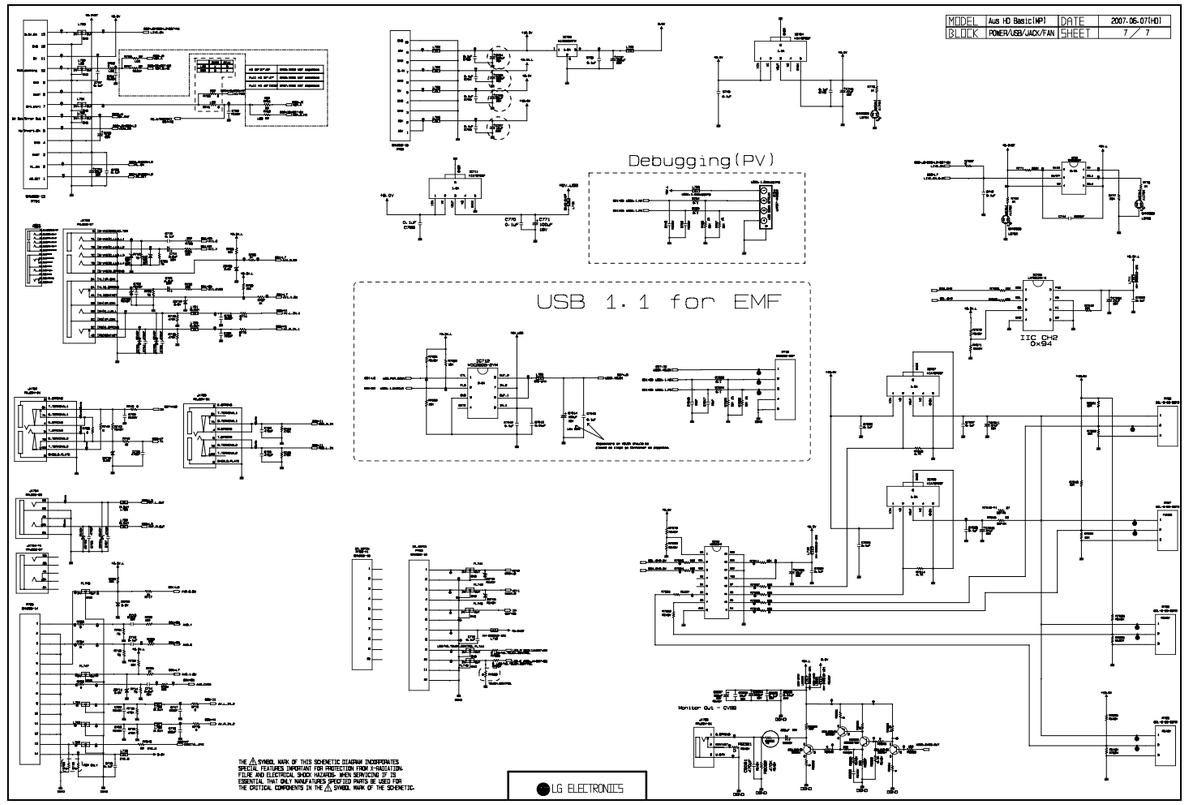


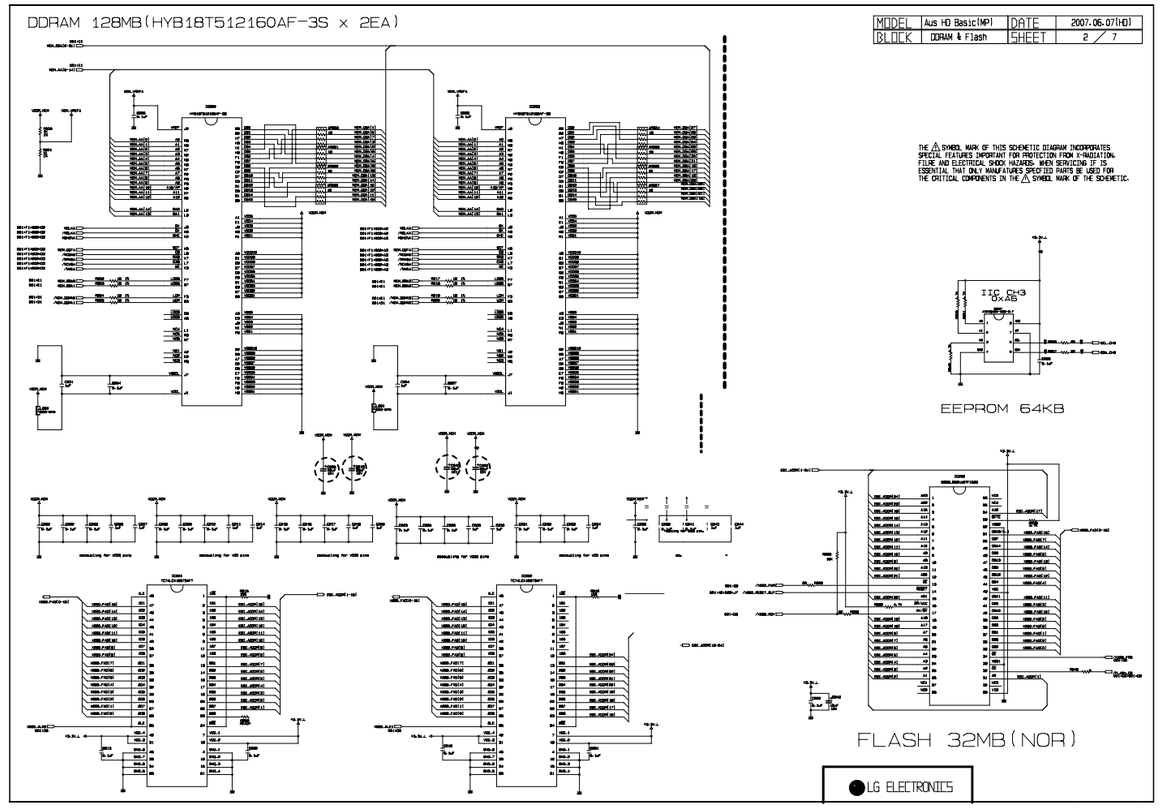












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LCD TV
SERVICE MANUAL

CHASSIS : LB73B

MODEL : 32LB9D 32LB9D-AD

CAUTION
BEFORE SERVICING THE CHASSIS,
READ THE SAFETY PRECAUTIONS IN THIS MANUAL.