



LCD TV

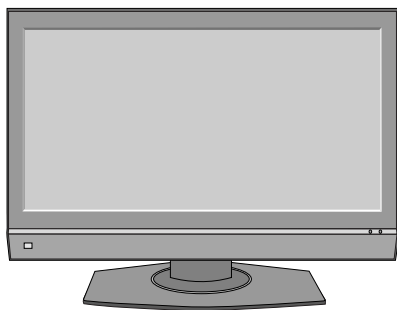
SERVICE MANUAL

CHASSIS : LA73A

MODEL : 47LB5DF 47LB5DF-UC

CAUTION

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



CONTENTS

CONTENTS	2
PRODUCT SAFETY	3
SPECIFICATION	6
ADJUSTMENT INSTRUCTION	13
TROUBLE SHOOTING & BLOCK DIAGRAM	19
EXPLODED VIEW	45
REPLACEMENT PARTS LIST	47
SVC. SHEET	

SAFETY PRECAUTIONS

IMPORTANT SAFETY NOTICE

Many electrical and mechanical parts in this chassis have special safety-related characteristics. These parts are identified by $\triangle$ 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 its 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 $1M\Omega$ and $5.2M\Omega$.

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.

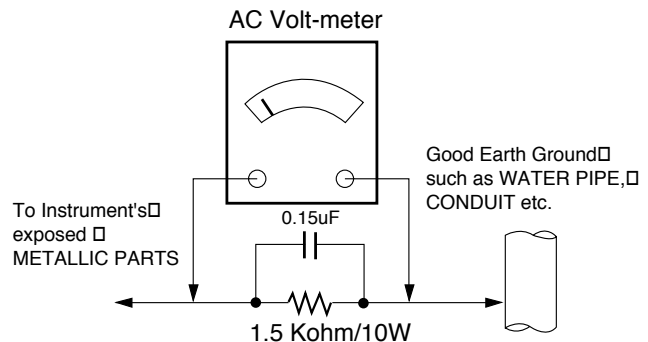
Connect 1.5K/10watt resistor in parallel with a 0.15uF capacitor between a known good earth ground (Water Pipe, Conduit, etc.) and the exposed metallic parts.

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 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 is 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 circuitboard 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 spec sheet is applied to the 37"/42" LCD TV used LA73A chassis.

2. Especificación

Each part is tested as below without special appointment

- 2.1 Temperature : 25±5°C(77±9°F), CST : 40±5°C
- 2.2 Relative Humidity : 65±10%
- 2.3 Power Voltage : Standard input voltage
(100~240V@ 50/60Hz)
 - Standard Voltage of each products is marked by models
- 2.4 Specification and performance of each parts are followed each drawing and specification by part number in accordance with BOM .
- 2.5 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 : UL, CSA, IEC specification
- 3.3 EMC : FCC, ICES, IEC specification

4. General Specification(TV)

No.	Item	Specification	Remark
1.	Receiving System	ATSC/64 & 256 QAM/ NTSC-M	
2.	Available Channel	1) VHF : 02~13 2) UHF : 14~69 3) DTV : 02-69 4) CATV : 01~135 5) CADTV : 01~135	
3.	Input Voltage	1) AC 100 ~ 240V 50/60Hz	
4.	Market	NORTH AMERICA	
5.	Screen Size	47 inch Wide(1920 x 1080) 42 inch Wide(1920 x 1080) 37 inch Wide(1920 x 1080)	47LB5DF-UC 42LB5DF-UC 37LB5DF-UC
6.	Aspect Ratio	16:9	
7.	Tuning System	FS	
8.	LCD Module	LC470WU1-SLB2 LC420WU2-SLB1 LC370WX2-SLD1	47LB5DF-UC 42LB5DF-UC 37LB5DF-UC
9.	Operating Environment	1) Temp : 0 ~ 40 deg 2) Humidity : ~ 80 %	
10.	Storage Environment	1) Temp : -20 ~ 60 deg 2) Humidity : ~ 85 %	

5. Chrominance & Luminance Specification

No	Item			Min	Typ	Max	Unit	Remark
1.	White peak brightness			450	550		cd/m ²	47LB5DF-UC
				400	550		cd/m ²	42LB5DF-UC
				400	500		cd/m ²	37LB5DF-UC
2.	Contrast ratio						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			600:1	800:1			47LB5DF-UC
				600:1	800:1			42LB5DF-UC
				600:1	800:1			37LB5DF-UC
7.	Color Temperature	Cool			11,000			<Test Signal>
		Medium			9,300			HDMI input, With 16-gray pattern 6 th bar from right
		Warm			6,500			
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	

Peak & average Brightness & Contrast measure standard specification**- White Peak brightness measure specification**

- 1) In non-impressed condition, measure peak brightness displayable as much as possible LCD module.
- 2) Measuring instrument: CA-110 or a sort of Color Analyzer.
- 3) Pattern Generator : VG-828 or a sort of digital pattern generator (displayable Full White & 1/25 White Window pattern)
- 4) Measure condition
 - Test pattern: in center, 1/5(H)x1/5(V) of Window Pattern (white pattern in non-impressed condition)
 - SET condition : Contrast & Brightness Level 100%
 - Environment condition : Dark room in the non outside light
 - Video menu option condition

	Signal	Picture Mode	XD	Black Level
RF	NTSC-M	USER1	Off	N/A
AV	NTSC-M	USER1	Off	Low
Component	720P	USER1	Off	N/A
RGB	1024x768	USER1	N/A	N/A
HDMI	DTV 720P	USER1	Off	High

5) Measurement

- Do heat-run LCD module at 30minutes in normal temperature (25°C) by using full white pattern of 15% signal level(38 gray level).
- Impress test pattern signal in 1/5(H)x1/5(V) White Window of 100%(255Gray Level)
- measure 3 times brightness of central white window, and mark peak brightness in max brightness degree
- measure the same condition in video signal /RGB signal.

Average Brightness measure specification

- 1) Impress 100%(255Gray Level) full white pattern at the same peak brightness measurement.
- 2) Measure average brightness in 9 points.

1	4	7
2	5	8
3	6	9

Contrast ratio measure specification

- 1) Test display signal : 30x30 dots White Window signal & all Black Raster signal
- 2) Dark room measure condition : Using touch type Color analyzer CA-100 Dark room in the non outside light
- 3) Bright room measure condition : In bright room of 150Lx illumination in the panel surface, locate a source of light on the above 45°of the panel surface.
- 4) Measure method
 - In standard test condition, impress 30x30 dots White Window Pattern signal .
Measure center peak brightness degree Lw of white window
 - Impress black Raster signal as contrast ratio measurement signal.
Measure black brightness degree Lb of PDP central
Calculate the following numerical formula.
Contrast ratio = Lw / Lb

** If it does not use Prior measurement, use generally simple test measurement.*

The Correct measure specification is followed by IEC61988-2/CD, JAPAN EIAJ-2710

6. Component Video Input (Y, Pb, Pr)

No.	Specification			Remark
	Resolution	H-freq(kHz)	V-freq(Hz)	
1.	720*480	15.73	60	SDTV ,DVD 480I
2.	720*480	15.73	59.94	SDTV ,DVD 480I
3.	720*480	31.47	60	SDTV 480P
4.	720*480	31.47	59.94	SDTV 480P
5.	1280*720	45.00	60.00	HDTV 720P
6.	1280*720	44.96	59.94	HDTV 720P
7.	1920*1080	33.75	60.00	HDTV 1080I
8.	1920*1080	33.72	59.94	HDTV 1080I
9.	1920*1080	67.500	60	HDTV 1080P
10.	1920*1080	67.432	59.939	HDTV 1080P
11.	1920*1080	27.000	24.000	HDTV 1080P
12.	1920*1080	26.97	23.94	HDTV 1080P
13.	1920*1080	33.75	30.000	HDTV 1080P
14.	1920*1080	33.71	29.97	HDTV 1080P

7. RGB PC

No.	Resolution	H-freq(kHz)	V-freq(Hz)	Pixel clock(MHz)	Remark	
	PC					DDC
1.	640*350	31.468	70.09	25.17	EGA	X
2.	720*400	31.469	70.08	28.32	DOS	O
3.	640*480	31.469	59.94	25.17	VESA(VGA)	O
4.	640*480	37.861	72.80	31.50	VESA(VGA)	O
5.	640*480	37.500	75.00	31.50	VESA(VGA)	O
6.	800*600	35.156	56.25	36.00	VESA(SVGA)	O
7.	800*600	37.879	60.31	40.00	VESA(SVGA)	O
8.	800*600	48.077	72.18	50.00	VESA(SVGA)	O
9.	800*600	46.875	75.00	49.50	VESA(SVGA)	O
10.	1024*768	48.363	60.00	65.00	VESA(XGA)	O
11.	1024*768	56.476	70.06	75.00	VESA(XGA)	O
12.	1024*768	60.023	75.02	78.75	VESA(XGA)	O
13.	1280*768	47.776	59.870	79.5	CVT(WXGA)	O
14.	1280*768	60.289	74.893	102.25	CVT(WXGA)	O
15.	1360*768	47.712	60.015	85.50	VESA (WXGA)	O
16.	1280*1024	63.981	60.020	108.00	VESA (SXGA)	O
17.	1280*1024	79.976	75.025	135	VESA (SXGA)	O
18.	1600*1200	75.00	60.00	162	VESA (UXGA)	O
19.	1920*1080	67.5	60	148.5	HDTV 1080P	O

8. HDMI Input (PC/DTV)

No.	Resolution	H-freq(kHz)	V-freq(Hz)	Pixel clock(MHz)	Remark	
	PC					DDC
1	640*350	31.468	70.09	25.17	EGA	X
2	720*400	31.469	70.08	28.32	DOS	—
3	640*480	31.469	59.94	25.17	VESA(VGA)	—
4	640*480	37.861	72.80	31.50	VESA(VGA)	—
5	640*480	37.500	75.00	31.50	VESA(VGA)	—
6	800*600	35.156	56.25	36.00	VESA(SVGA)	—
7	800*600	37.879	60.31	40.00	VESA(SVGA)	—
8	800*600	48.077	72.18	50.00	VESA(SVGA)	—
9	800*600	46.875	75.00	49.50	VESA(SVGA)	—
10	1024*768	48.363	60.00	65.00	VESA(XGA)	—
11	1024*768	56.476	70.06	75.00	VESA(XGA)	—
12	1024*768	60.023	75.02	78.75	VESA(XGA)	—
13	1280*768	47.776	59.870	79.5	CVT(WXGA)	—
14	1360*768	47.712	60.015	85.50	VESA (WXGA)	—
15	1280*1024	63.981	60.020	108.00	VESA (SXGA)	—
16	1280*1024	79.976	75.025	135	VESA (SXGA)	—
17	1600*1200	75.00	60.00	162	VESA (UXGA)	—
18	1920*1080	67.5	60	148.5	HDTV 1080P	—
	DTV					
1	720*480	31.47	60		SDTV 480P	
2	720*480	31.47	59.94		SDTV 480P	
3	1280*720	45.00	60.00		HDTV 720P	
4	1280*720	44.96	59.94		HDTV 720P	
5	1920*1080	33.75	60.00		HDTV 1080I	
6	1920*1080	33.72	59.94		HDTV 1080I	
7	1920*1080	67.500	60		HDTV 1080P	
8	1920*1080	67.432	59.939		HDTV 1080P	
9	1920*1080	27.000	24.000		HDTV 1080P	
10	1920*1080	26.97	23.94		HDTV 1080P	
11	1920*1080	33.75	30.000		HDTV 1080P	
12	1920*1080	33.71	29.97		HDTV 1080P	

9. General specifications

9-1. 47" LCD MODULE

No	Item	Specification	Unit	Remark
1	Active Screen Size	46.96 inches(1192.87mm) mm		
2	Outline dimension	1096.0(H)x640.0(V)x481(D)	mm	
3	Pixel Pitch	0.5415x0.5415x RGB	mm	
4	Pixel Format	1920 horiz by 1080 vert.		RGB Stripe arrangement
5	Color Depth	8-bit / 16.7M Color		
6	Luminance, White	550 cd/m2		
7	Power Consumption	Total 230.56 Watt		
8	Weight	20.0Kg		
9	Display Operating Mode	Transmissive Mode, Normally Black		
10	Surface Treatment	Hard Coating (3H) Anti-glare treatment of the front polarizer		

9-2. 42" LCD MODULE

No	Item	Specification	Unit	Remark
1	Active Screen Size	42.02 inches(1067.31mm) mm		
2	Outline dimension	983.0(H)x576.0(V)x51.0(D)	mm	
3	Pixel Pitch	0.4845x0.4845x RGB	mm	
4	Pixel Format	1920 horiz by 1080 vert.		RGB Stripe arrangement
5	Color Depth	8-bit / 16.7M Color		
6	Luminance, White	550 cd/m2 (Center 1 point, Typ)	kg	
7	Power Consumption	Total 167.3 Watt(Typ)		
8	Weight	13Kg		
9	Display Operating Mode	Transmissive Mode, Normally Black		
10	Surface Treatment	Hard Coating (3H), Anti-glare treatment of the front polarizer		

9-3. 37" LCD MODULE

No	Item	Specification	Unit	Remark
1	Active Screen Size	37.02 inches(940.3mm) mm		
2	Outline dimension	877.0(H)x516.8(V)x55.5(D)	mm	
3	Pixel Pitch	0.200 x 0.600 x RGB	mm	
4	Pixel Format	1366 horiz by 768 vert.		RGB Stripe arrangement
5	Color Depth	8-bit / 16.7M Color, 10-bit / 1 G colors		
6	Luminance, White	550 cd/m2 (Center 1 point, Typ)	kg	
7	Power Consumption	Total TDB Watt		
8	Weight	9.5Kg		
9	Display Operating Mode	Transmissive Mode, Normally Black		
10	Surface Treatment	Hard Coating (3H), Anti-glare treatment of the front polarizer		

10. Mechanical specification

10-1. 47LB5DF-UC

No.	Item		Content			Unit	Remark
1.	Product Dimension		Width(W)	Length(D)	Height(H)	mm	
		Before Packing	1144.5	331	825.6	mm	With Stant
		After Packing	1230	410	912	mm	
2.	Product	Only SET	37.5			Kg	
		With BOX	44.7			Kg	

10-2. 42LB5DF-UC

No.	Item		Content			Unit	Remark
1.	Product Dimension		Width(W)	Length(D)	Height(H)	mm	
		Before Packing	1033.1±1.0	287.6±0.7	750±2.0	mm	With Stant
		After Packing	1119	374	858	mm	
2.	Product	Only SET	27.5			Kg	
		With BOX	32.5			Kg	

9. Customer Menu Setup (Shipment Condition)

No	Item		Condition	Remark
1.	Input Mode		TV02CH	
2.	Volume Level		30	
3.	Mute		Off	
4.	Aspect Ratio		16:9	
5.	Video	EZ Picture	Daylight	
		Contrast	100	
		Brightness	40	
		Color	70	
		Sharpness	70	
		Tint	0	
		Color-temperature	Cool	
		XD	Auto(On)	
		Advanced	Cinema3:2 Mode(Off) Black Level(RF,HDMI=>Low),(AV=>High)(RGB-PC,Component=>Disable)	
6.	Audio	Audio Language	Off	
		EZ Sound	Normal	
		Balance	0	
		Bass	50	
		Front Surround	Off	
		TV Speaker	On	
7.	Timer	Auto clock	Off	
		Manual Clock	Off	
		Off Timer	Off	
		On Timer	Off	
		Sleep Timer	Off	
		Auto Off	Off	
8.	Option	Aspect Ratio	16:9	
		Caption/Text	Off	
		Caption Option	Set By Program	
		Language	English	
		Simplink	On	
9.	Lock	Lock System	Off	
		Set password	On	(Default:0000)
		Block channel	None	
		Movie Rating	Off	
		TV Rating-Children	None	
		TV Rating-General	None	
		Input Block	Off	
10.	Channel Memory		RF : 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 30, 51, 63 CATV : 15, 16, 17	

ADJUSTMENT INSTRUCTION

1. Scope

These instructions are applied to all of the LCD TV, LA73A Chassis.

2. Designation

- 2.1 Because this chassis is a non-charge type chassis of power supply insulation, it does not require an insulation type transformer. But it is preferable to use an insulation type transformer between the power supply line and the chassis input side to operate it before the adjustment.
- 2.2 The adjustment must be done in the accurate order. But it can be changed considering the mass production capability.
- 2.3 Unless specified specially, the adjustment must be done in an environment with the surrounding temperature of $25 \pm 5^{\circ}\text{C}$ and relative humidity of $65 \pm 10\%$.
- 2.4 The input voltage of the receiver during the adjustment must be maintained at 220V, 60Hz.
- 2.5 Unless specified otherwise, the receiver must be pre-operated for 15 minutes before the adjustment.

- The pre-operation must be done after receiving 100% White Pattern (06CH).
(Or 8. Test Pattern condition of Ez – Adjust)

- How to enter White Pattern
 - A. Press the POWER ON KEY on the adjustment R/C.
 - B. Or press the ADJ KEY on the adjustment R/C to enter Ez – Adjust
And select 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, you can heat run the set without separate signal generator.

Caution) When you keep the still screen on for more than 20 minutes (Especially for 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. Board adjustment

- Adjust 480i Comp1
- Adjust 1080p Comp1/RGB
- Adjust RF and Video

4. Adjustment method using RS-232C

Adjust the 3 board adjustment items of 3 using the RS-232C according to the "4.1.2 Adjustment order".

4-1. Necessary details before adjustment

- ad 00 00 Enter ADC adjustment mode.
- kb 00 01 Switch RF input (Input is not switched)
- ad 00 10 Adjust RF and Video (Input is switched and adjusted)
- kb 00 04 Switch component1 input (Input is not switched)
- ad 00 10 Adjust 480i Comp1 (Input is switched and adjusted)
- kb 00 06 Switch RGB-DTV input (Actual input is not switched)
- ad 00 10 Adjust 1080p Comp1/RGB (Input is switched and adjusted)
- ad 00 90 Complete adjustment

4-2. Auto adjustment of RF and Video

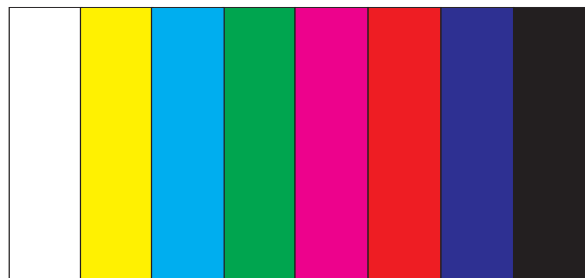
4.2.1 Introduction

This is the adjustment to reduce the color difference of main/sub screen of RF and video signal.

4.2.2 Adjustment method

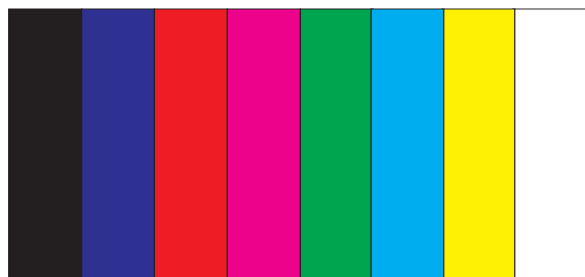
- A. Connect the Video Signal Generator (Master) to TV AV input terminal with AV output.

At this time, when you enter the input pattern as Model : 201(NTSC-M) , Pattern : 33(100% color Bar), the following video is displayed on the screen



Model: 201(NTSC-M), Pattern: 33(100% color Bar)

Note: When the video is shown as follows showing black patterns from the left, it cannot be adjusted

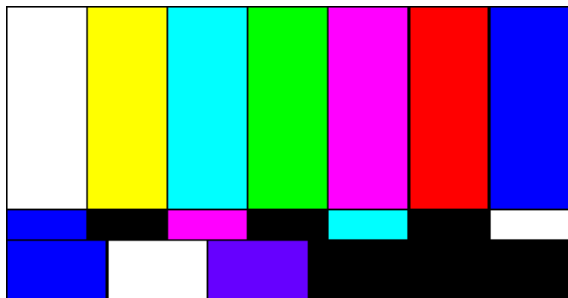


In this case, first press the **Rev button** of Video Signal Generator (Master), to generate the white pattern to be displayed from the left.

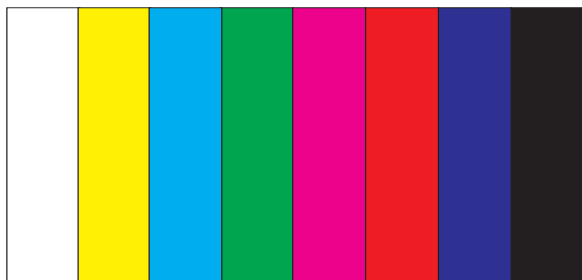


Because the above pattern can differ by the model and pattern for each device, you must check the pattern first.

- B. When the receiving signal is confirmed after inputting the internal signal, press the ADJ KEY on the adjustment R/C to enter 'EZ-ADJUST'. Select '5.Adjust RF and Video' and press the right key (▶) to enter the adjustment mode.
- C. When you enter the adjustment mode, the video is automatically set to TV 2CH and the following window is displayed.



- D. When the adjustment is completed, a message saying 'RF Configuration Success' is displayed. If the adjustment has failed, a message saying 'RF Configuration Error' is displayed.
- E. When the automatic adjustment of RF signal is completed, it is automatically switched to the Video Mode as shown in the above picture, and automatic adjustment for Video Mode is done. When the automatic adjustment is completed, a message saying 'Video Configuration Success' is displayed. If the adjustment has failed, a message saying 'Video Configuration Error' is displayed..



- Check RS-232C operation
Press the Instart of adjustment R/C to enter the 7.Baud Rate menu and set the Baud Rate to 115200 to check the 232-C operation

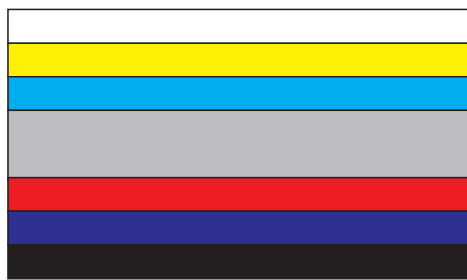
5. Automatic adjustment of Component 480i/1080p RGB 1080p

5.1 Introduction

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

5.2 Using device

Adjustment remote controller, 801GF (802B, 802F, 802R) or MSPG925FA Pattern Generator
(480i/1080P Horizontal 100% Color Bar Pattern output must be possible and output level must be adjusted accurately to $0.7\pm0.1V_{p-p}$.)



(Adjustment pattern : 480i / 1080P 60Hz Pattern)

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

5.3 480i Comp1, 1080p Comp1/RGB adjustment method

- A. ADC 480i component1 adjustment
 - Check Component1 connected condition from the using device.
 - (MSPG-925FA : (model :209 , pattern :65)
- B. Input Component 100% Horizontal Color Bar Pattern (HozTV31Bar) of 480i Mode that is supported, select the input to Component1 and select the video to 'Normal'.
- C. Wait for more than 1 second after receiving the signal and then press the ADJ KEY on the adjustment R/C to enter 'Ez – Adjust'. Select '3. ADC 480i Comp1' and press the Enter KEY to make the automatic adjustment.
- D. When the adjustment is normally completed, a message saying "ADC Component1 Success" is displayed.
- E. When the adjustment is not normally completed, a message saying 'ADC Component1 480i Fail' is displayed. 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.
- F. ADC 1080P Component1/RGB adjustment
 - Check the Component1, RGB connected condition from the using device.
 - (MSPG-925FA : => model :225 , pattern :65)
- G. Input Component 100% Horizontal Color Bar Pattern (HozTV31Bar) of 480i Mode that is supported, select the input to Component1 and select the video to 'Normal'.
- H. Wait for more than 1 second after receiving the signal and then press the ADJ KEY on the adjustment R/C to enter 'Ez – Adjust'. Select '4. ADC 1080P Comp1/RGB' and press the Enter KEY to make the automatic adjustment for component 1 first.
- I. When the adjustment is normally completed, a message saying "ADC Component1 Success" is displayed, and when the adjustment is not normally completed, a message saying 'ADC Component1 1080P Fail' is displayed.
- J. After the Component1 adjustment is completed, it is automatically switch to RGB-DTV Mode to start RGB adjustment. When the adjustment is normally completed, a message saying "ADC RGB 1080P Success" is displayed.
- K. When the adjustment is not normally completed, make the adjustment again after checking the pattern or adjustment condition. The error message is as E.
- L. When the adjustment is completed, press the ADJ KEY to exit.

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

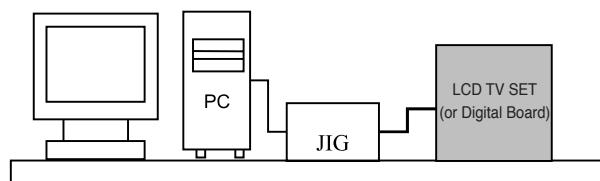
6.1 Introduction

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 the DDC2B protocol.

6.2 HDMI EDID Data input

- 1) Using device
 - a. Jig for PC, DDC adjustment (PC serial to D-sub connection device)
 - b. DDC recording S/W (EDID Data Write & Read)
 - c. D-Sub terminal
 - d. Separate HDMI Cable connecting JIG is necessary
- 2) Adjustment preparation and device configuration
 - e. Configure as Fig., and turn on the PC
 - f. Turn on the JIG.
 - g. Run the DDC recording S/W (EDID Data Write & Read). (Execute in DOS mode)



Device configuration diagram for HDMI EDID Data input

6.3 EDID Data for LA73A

I HDMI-1 EDID (DDC (Display Data Channel) Data)
EDID table =

```
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 CF 00 31 40 45 40 61 40 81 80 A9 40
30 | 01 01 01 01 01 01 01 66 21 50 B0 51 00 1B 30 40 70
40 | 36 00 C4 8E 21 00 00 1E 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 01 8A
```

```
0 1 2 3 4 5 6 7 8 9 A B C D E F
-----
0 | 02 03 17 F1 47 84 05 03 02 20 22 10 23 15 07 50
10 | 66 03 0C 00 10 00 80 01 1D 00 72 51 D0 1E 20 6E
20 | 28 55 00 C4 8E 21 00 00 1E 01 1D 80 18 71 1C 16
30 | 20 58 2C 25 00 C4 8E 21 00 00 9E 8C 0A D0 8A 20
40 | E0 2D 10 10 3E 96 00 C4 8E 21 00 00 18 8C 0A D0
50 | 8A 20 E0 2D 10 10 3E 96 00 13 8E 21 00 00 18 0E
60 | 1F 00 80 51 00 1E 30 40 80 37 00 C4 8E 21 00 00
70 | 1C 00 00 00 00 00 00 00 00 00 00 00 00 00 41
```

I HDMI-2 EDID (DDC (Display Data Channel) Data)
EDID table =

```
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 CF 00 31 40 45 40 61 40 81 80 A9 40
30 | 01 01 01 01 01 01 01 66 21 50 B0 51 00 1B 30 40 70
40 | 36 00 C4 8E 21 00 00 1E 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 01 8A
```

```
0 1 2 3 4 5 6 7 8 9 A B C D E F
-----
0 | 02 03 17 F1 47 84 05 03 02 20 22 10 23 15 07 50
10 | 66 03 0C 00 20 00 80 01 1D 00 72 51 D0 1E 20 6E
20 | 28 55 00 C4 8E 21 00 00 1E 01 1D 80 18 71 1C 16
30 | 20 58 2C 25 00 C4 8E 21 00 00 9E 8C 0A D0 8A 20
40 | E0 2D 10 10 3E 96 00 C4 8E 21 00 00 18 8C 0A D0
50 | 8A 20 E0 2D 10 10 3E 96 00 13 8E 21 00 00 18 0E
60 | 1F 00 80 51 00 1E 30 40 80 37 00 C4 8E 21 00 00
70 | 1C 00 00 00 00 00 00 00 00 00 00 00 00 00 31
```

I HDMI-3 EDID (DDC (Display Data Channel) Data)
EDID table =

```
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 CF 00 31 40 45 40 61 40 81 80 A9 40
30 | 01 01 01 01 01 01 01 66 21 50 B0 51 00 1B 30 40 70
40 | 36 00 C4 8E 21 00 00 1E 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 01 8A
```

```
0 1 2 3 4 5 6 7 8 9 A B C D E F
-----
0 | 02 03 17 F1 47 84 05 03 02 20 22 10 23 15 07 50
10 | 66 03 0C 00 30 00 80 01 1D 00 72 51 D0 1E 20 6E
20 | 28 55 00 C4 8E 21 00 00 1E 01 1D 80 18 71 1C 16
30 | 20 58 2C 25 00 C4 8E 21 00 00 9E 8C 0A D0 8A 20
40 | E0 2D 10 10 3E 96 00 C4 8E 21 00 00 18 8C 0A D0
50 | 8A 20 E0 2D 10 10 3E 96 00 13 8E 21 00 00 18 0E
60 | 1F 00 80 51 00 1E 30 40 80 37 00 C4 8E 21 00 00
70 | 1C 00 00 00 00 00 00 00 00 00 00 00 00 00 21
```

I RGB EDID DATA

EDID table =

```
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 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 | 01 01 01 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 01 F6
```

```
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 F1 27 00 A0 51 00 25 30 50 80
20 | 37 00 C4 8E 21 00 00 1C 00 00 00 00 00 00 00 00
30 | 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
50 | 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
70 | 00 00 00 00 00 00 00 00 00 00 00 00 00 00 31
```

7. White Balance adjustment

7-1. Using device

A. Color Analyzer : CA-210 (CH 9)

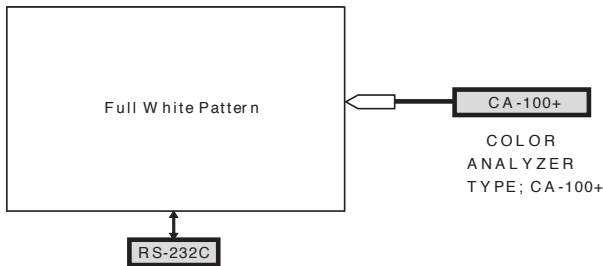
When adjusting the LCD white balance, use CS-1000 as the color analyzer (CA-210) and channel 9 corrected of Matrix (corrected for White, Red, Green, Blue) and the adjustment must be done in accordance with the White balance adjustment coordinate.

B. Automatic adjuster (Necessary for automatic adjustment, must be able to communicate with RS-232C, Baud Rate : 115200)

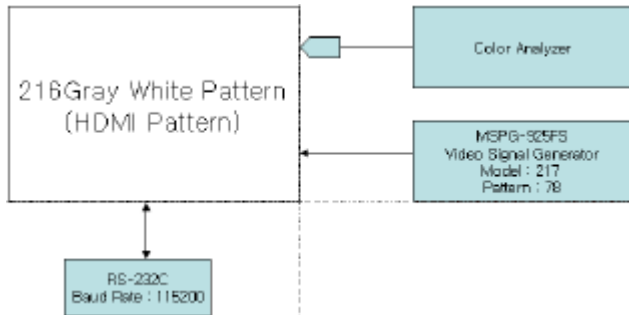
C. Video Signal Generator MSPG-925F 720p, 216Gray(Model : 217, Pattern 78

7-2. Measuring device connection diagram (for automatic adjustment)

=> Connection diagram for internal pattern



=> Connection diagram for HDMI input



7-3. 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 7.White Balance menu, you can select NONE, INNER and 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 7.White-Balance, and the pattern is automatically displayed. (When you set the Option to INNER, the default is always set to INNER)

- Connect the set according to the internal pattern or HDMI input in accordance with 4.3.2 measuring device connection diagram.
- Set the Baud Rate of RS-232C to 115200. It is set to 115200 as default.
- Connect the RS-232C Cable to the set.
- Connect the HDMI Cable to the set. (Limited to the set with HDMI option)
- Select and adjust the model applicable to LA73A chassis from the adjuster

Caution) For automatic adjustment, RS-232C Command and Chassis are commonly applied

7.3.1 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.

7-4. White Balance adjustment (For manual adjustment)

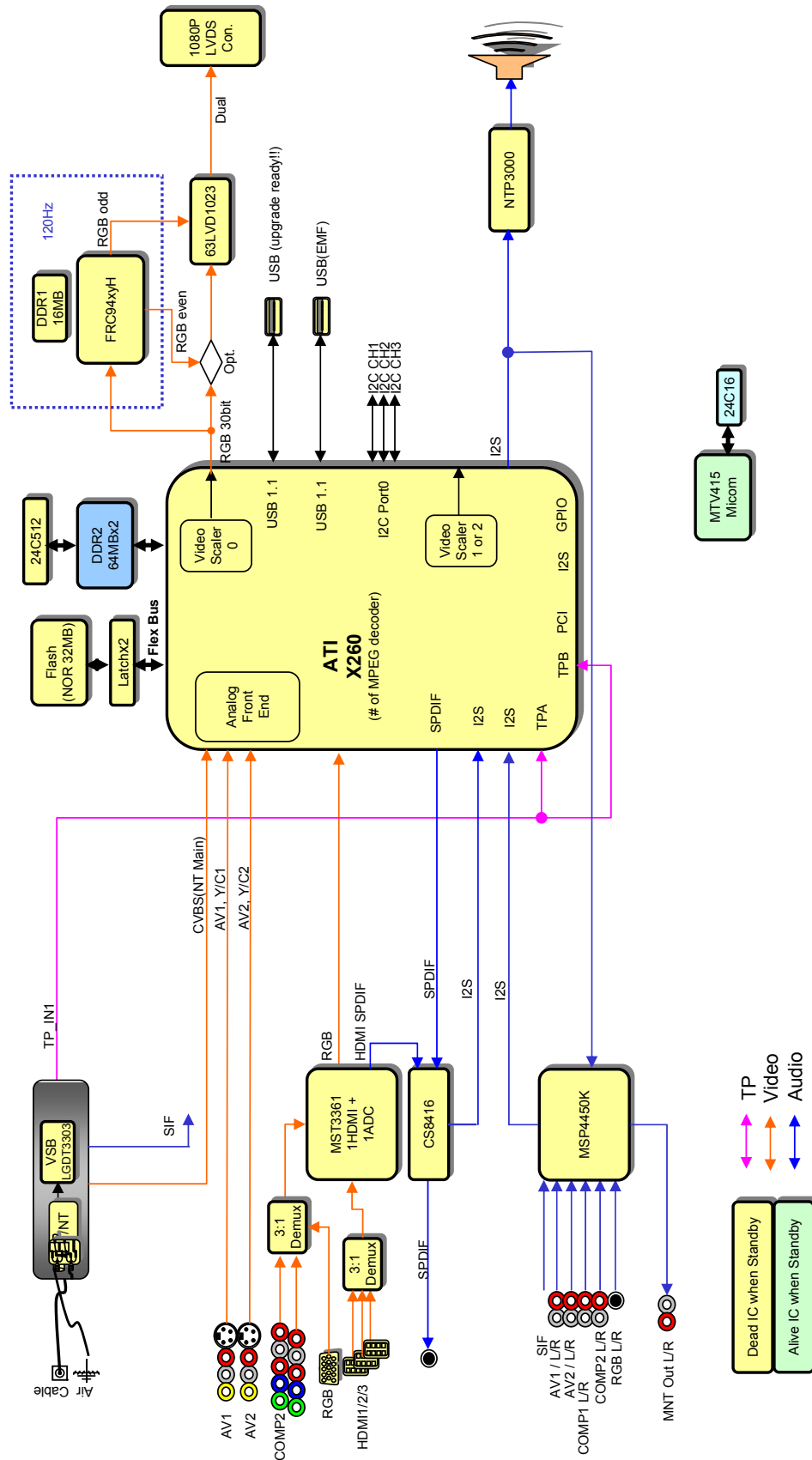
● Using device: CA-210

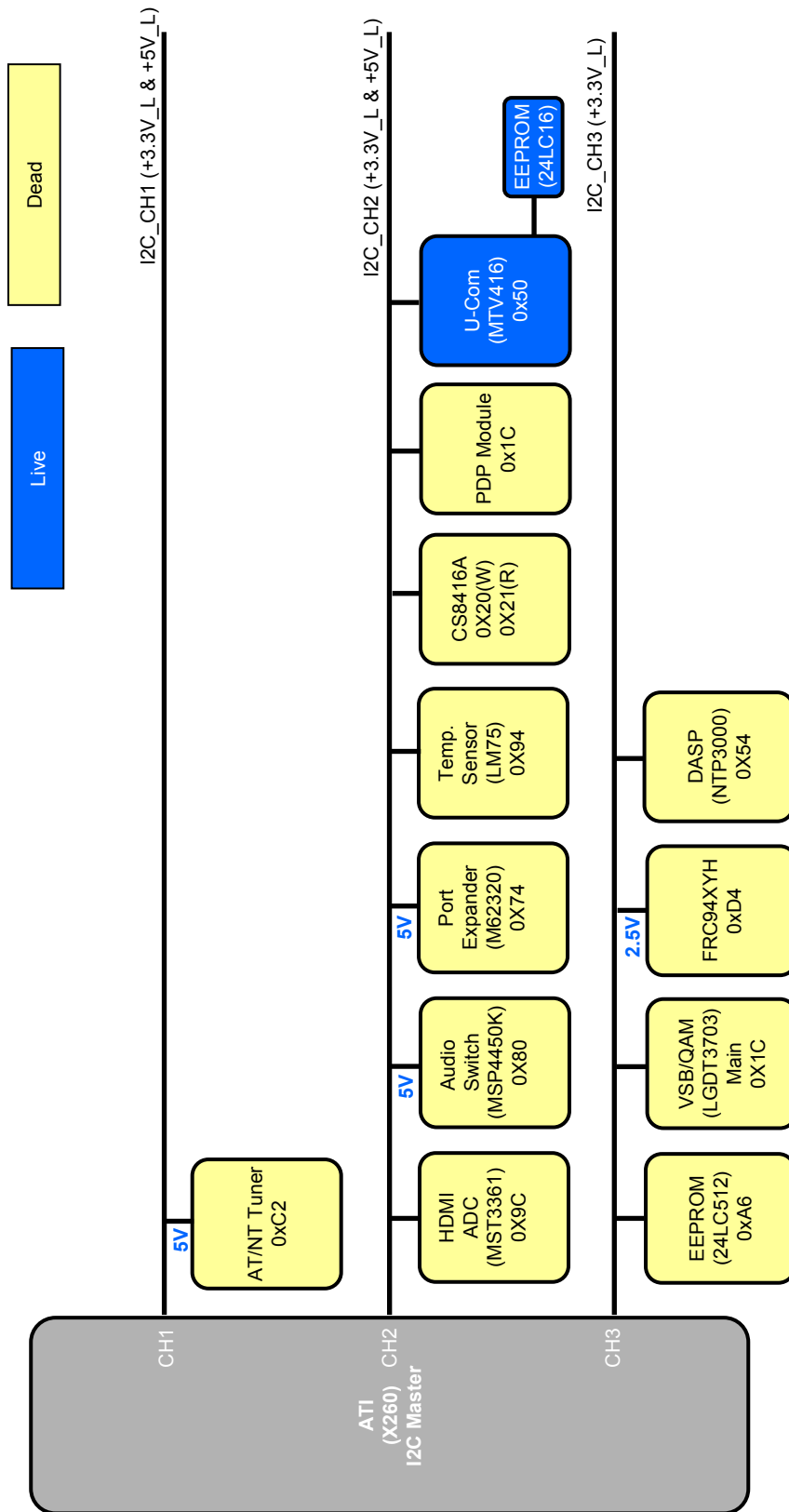
=> When adjusting the plasma white balance, use CS-1000 as the color analyzer (CA-210) and channel 9 corrected of Matrix (corrected for White, Red, Green, Blue) and the adjustment must be done in accordance with the below White balance adjustment coordinate.

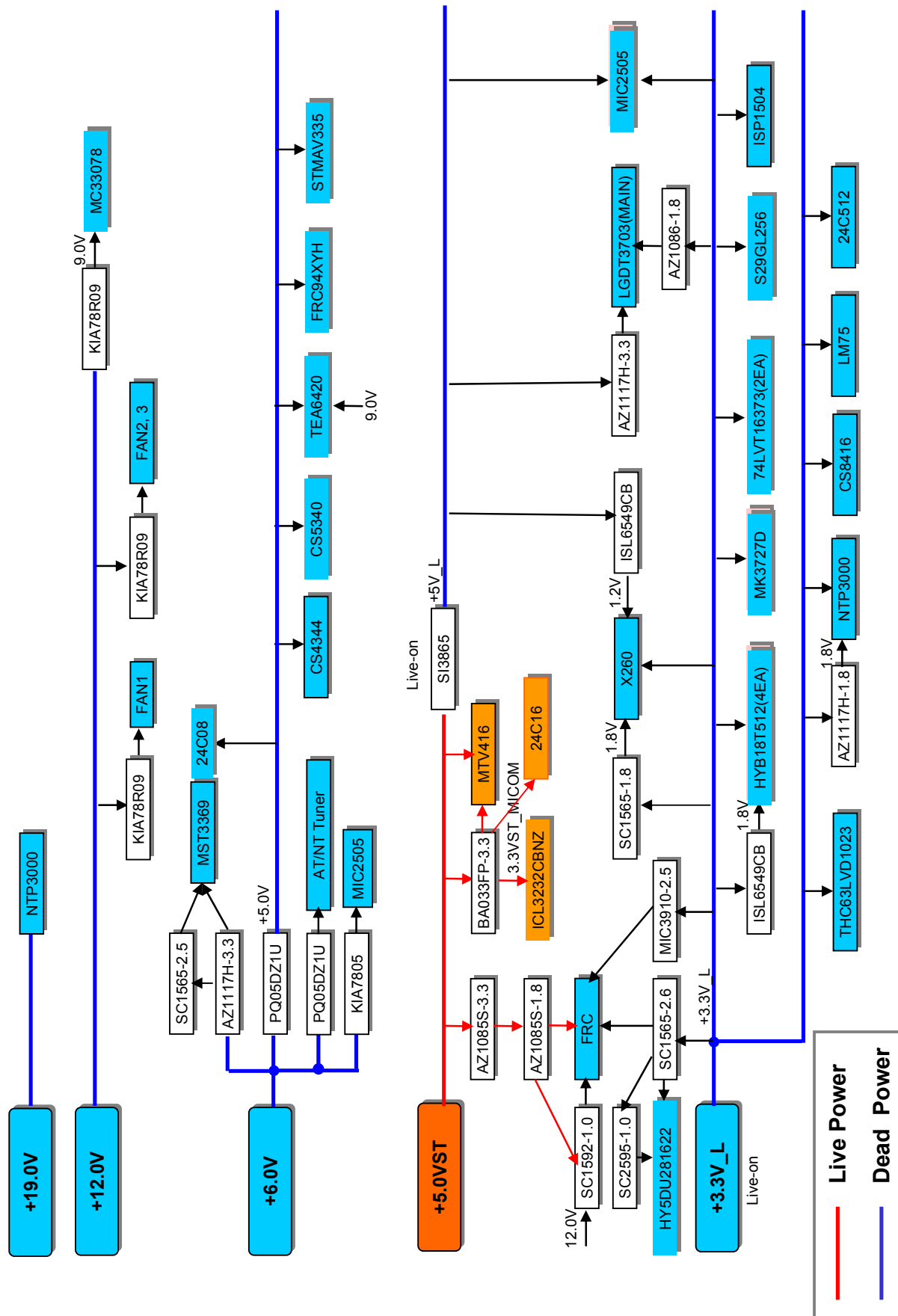
● Manual adjustment must be done in the following order

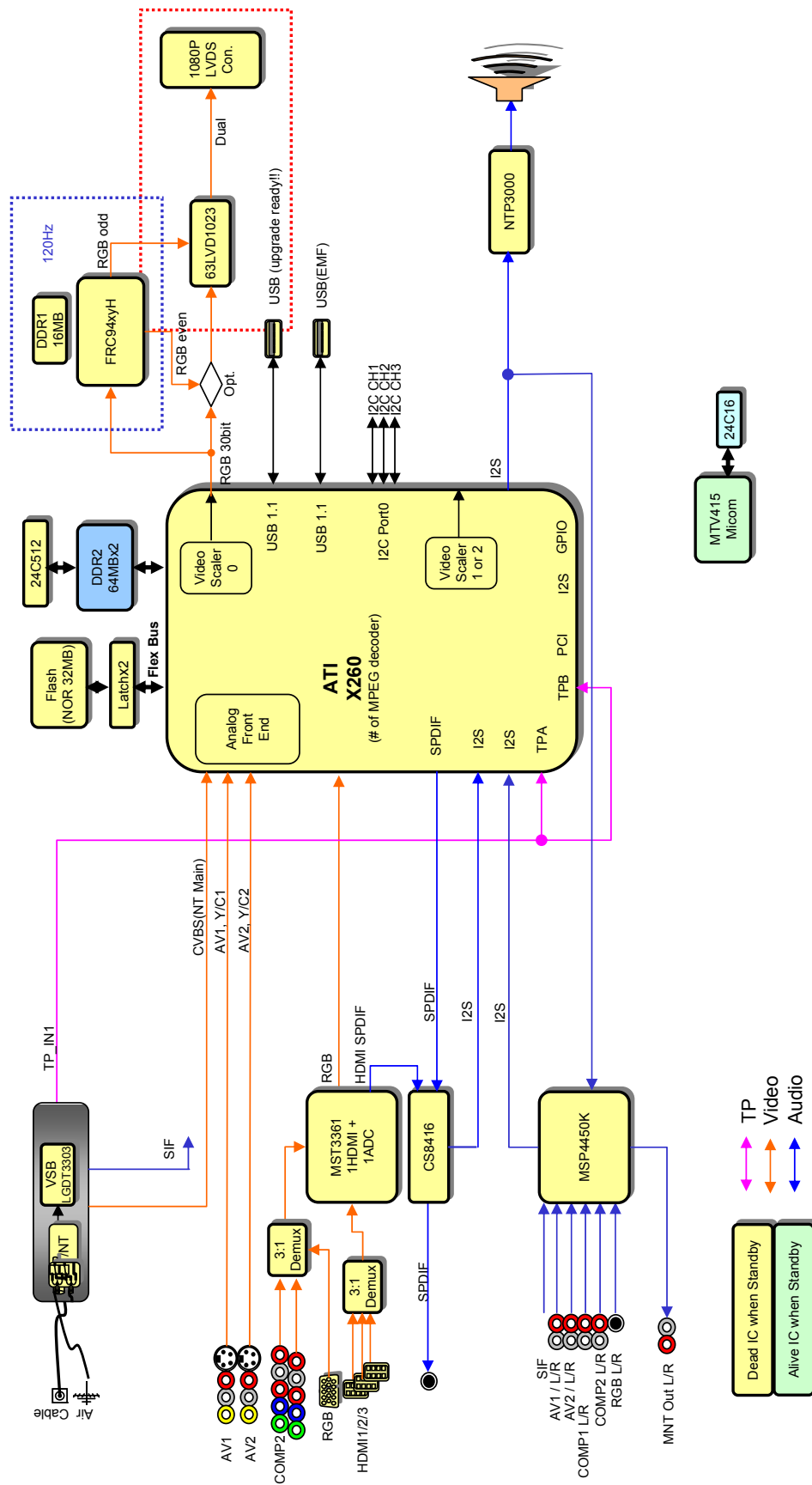
- Press the ADJ of adjustment R/C to enter 'EZ-ADJUST'.
- Select 10.TEST PATTERN using the CH + / - KEY and press the Enter KEY to execute a heat run for more than 30 minutes.
- Execute a Zero Calibration for CA-210 and put it at distance of less than 10Cm from the LCD module surface center during the adjustment.
- Press the ADJ of adjustment R/C, select '7.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..)
- The adjustment is executed in 3 different white balance of COOL, MEDIUM and WARM.
- When the white balance is Cool,
Fix B Gain 192, fix R-Cut / G-Cut / B-Cut 64,
and use R Gain / G Gain to adjust the High Light.
When the white balance is Medium,
Fix R Gain 192, fix R-Cut / G-Cut / B-Cut 64,
and use G Gain / B Gain to adjust the High Light.
When the white balance is Warm
Fix R Gain 192, fix R-Cut / G-Cut / B-Cut 64,
and use G Gain / B Gain to adjust High Light.
- Use the +, - key for adjustment.
- 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.

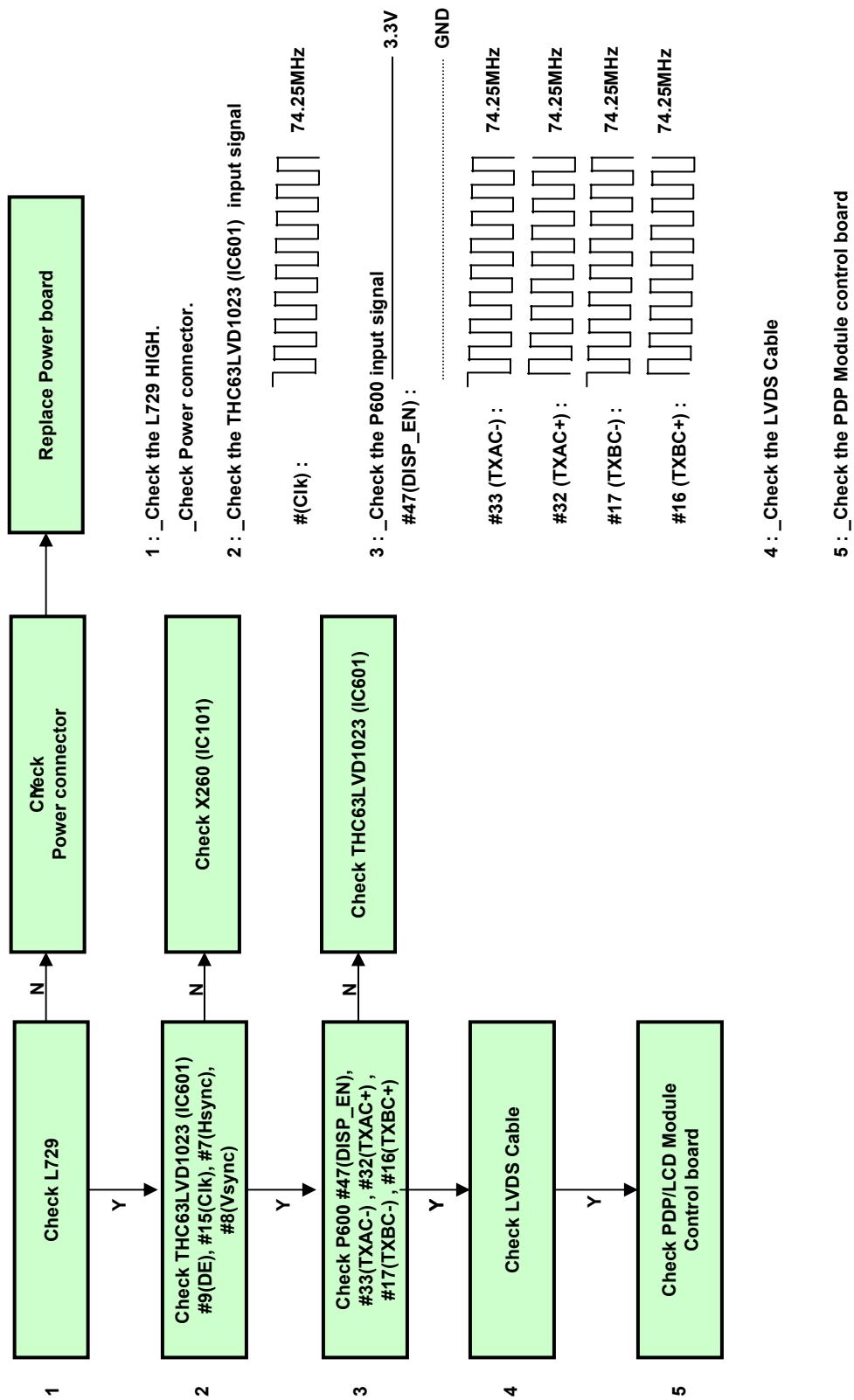
TROUBLESHOOTING & BLOCK DIAGRAM

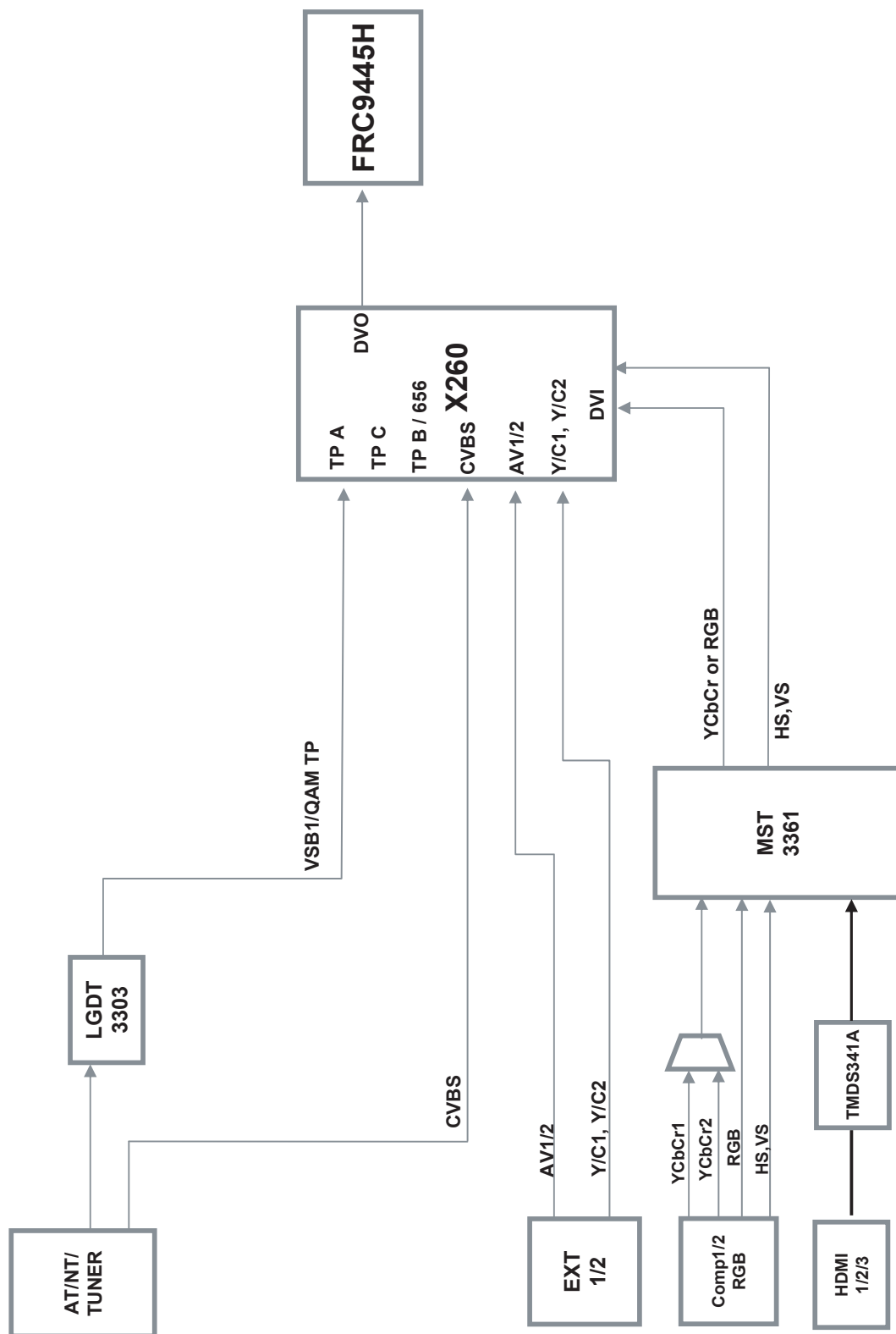


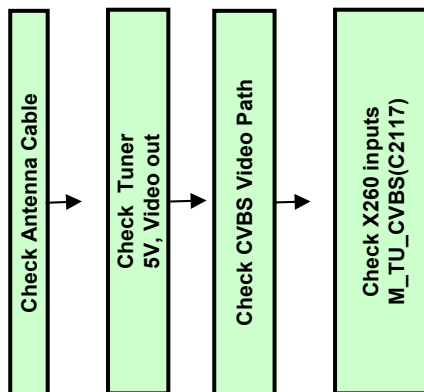




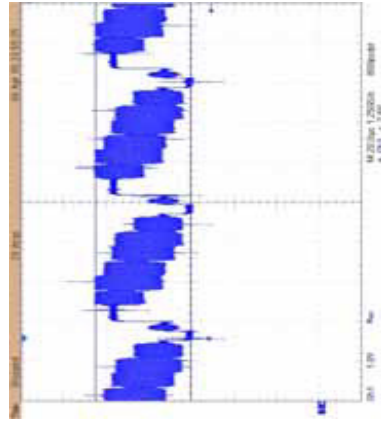
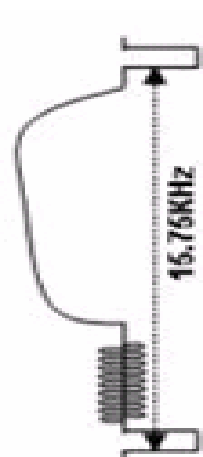


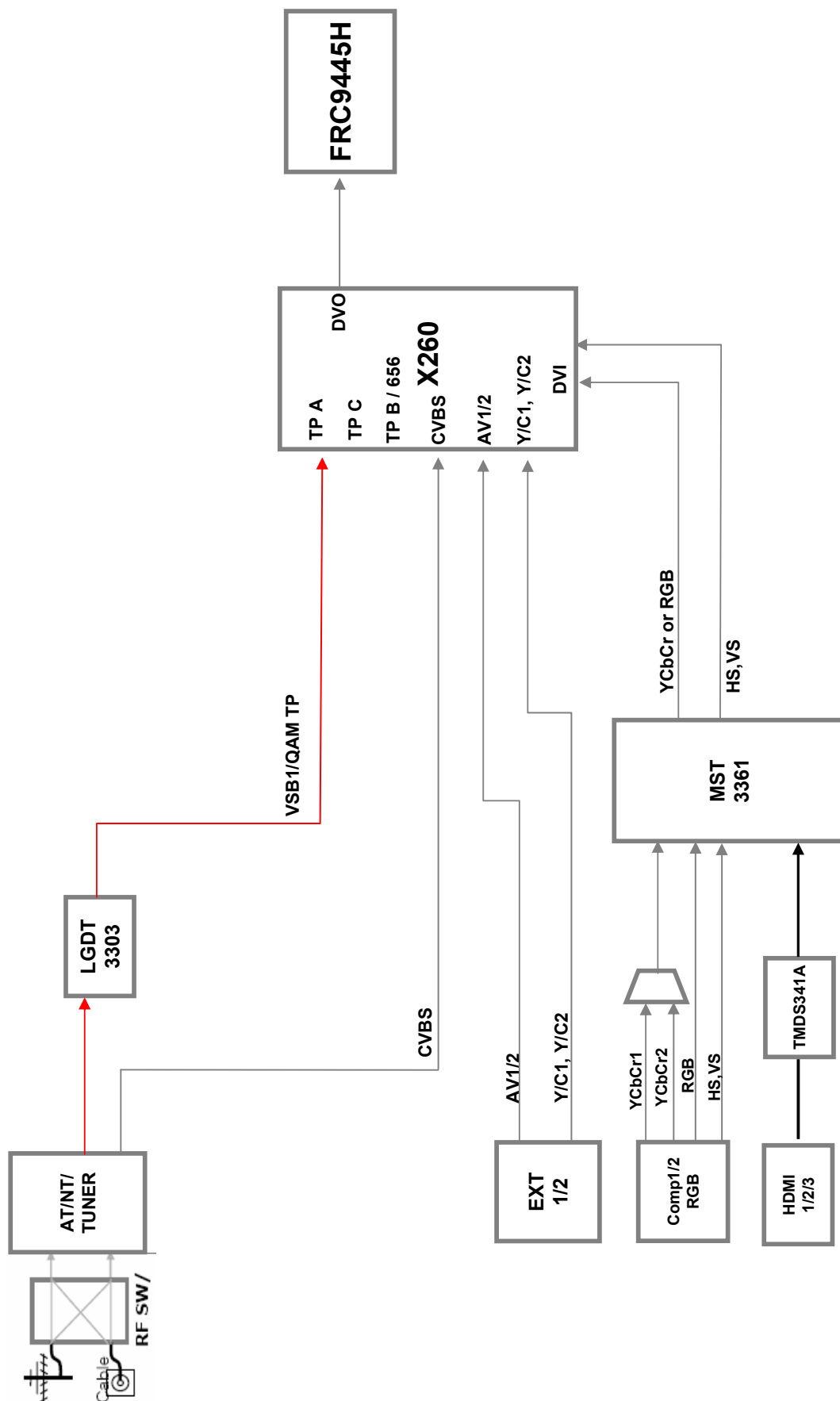


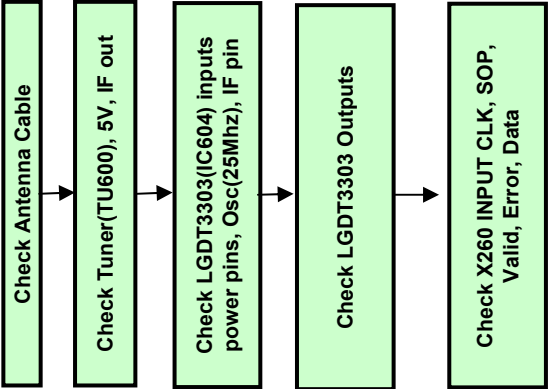




1 : _Check Tuners Vcc and Video out





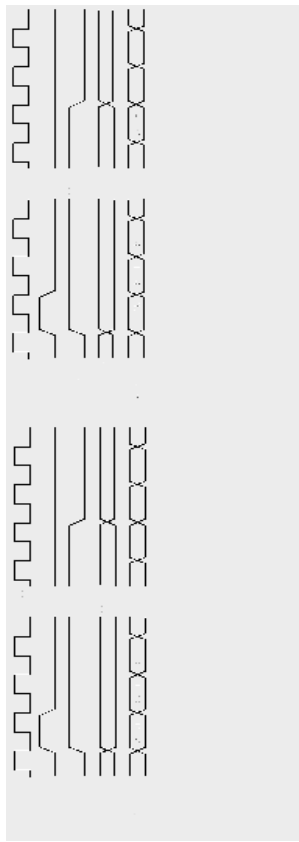


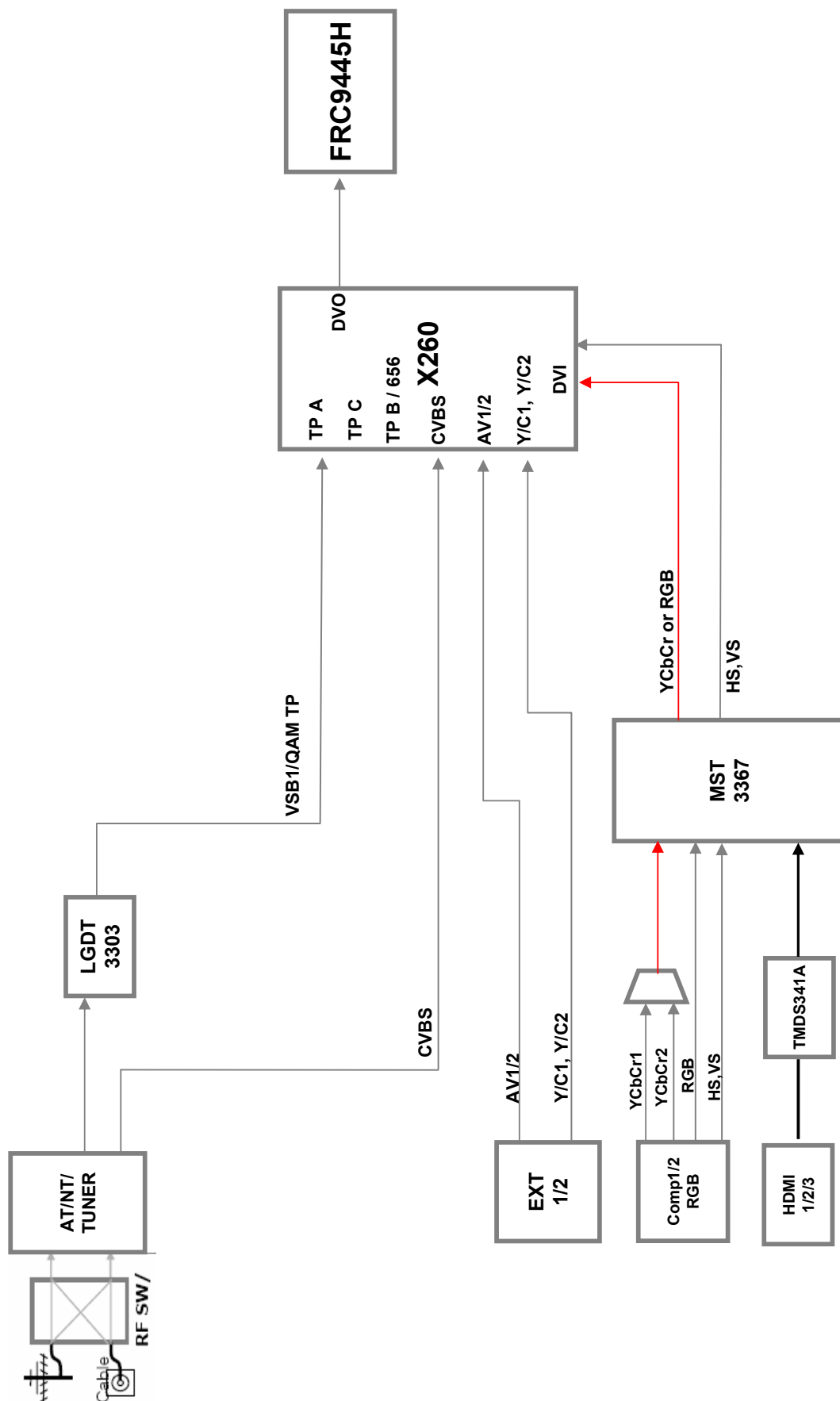
1 : _Check Antenna cable(RF switch, Tuners...)

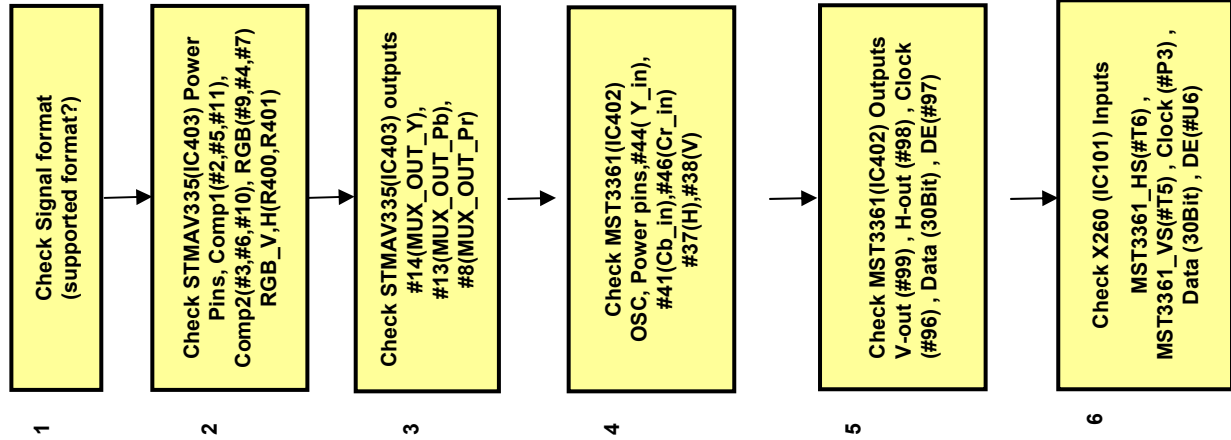
2 : _Check Tuners Vcc and IF out



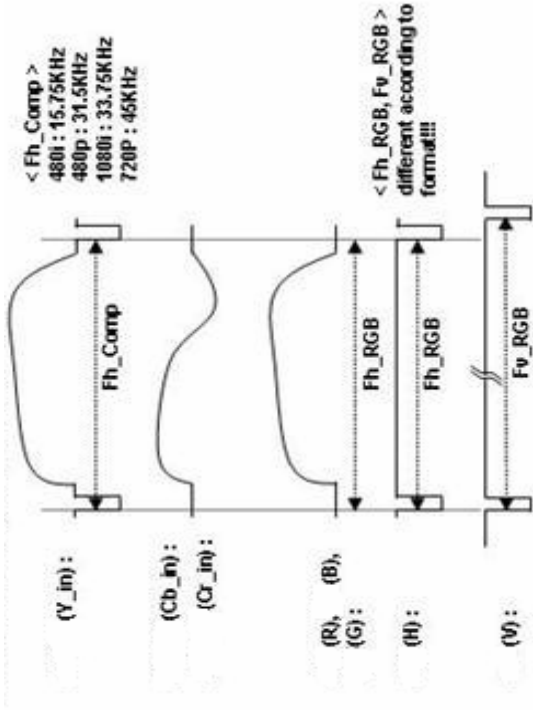
3._ Check X260 Input (CLK, SOP, Valid, Error, Data)





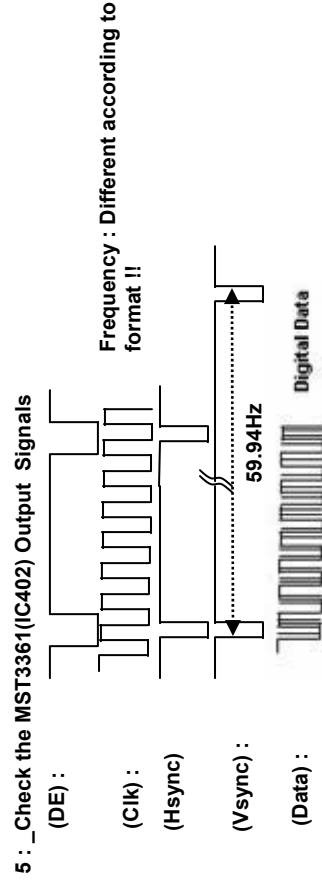


1. Check Signal format (ref. owenr's manual)
2. Check STMAV335(IC403) Power Input Signal

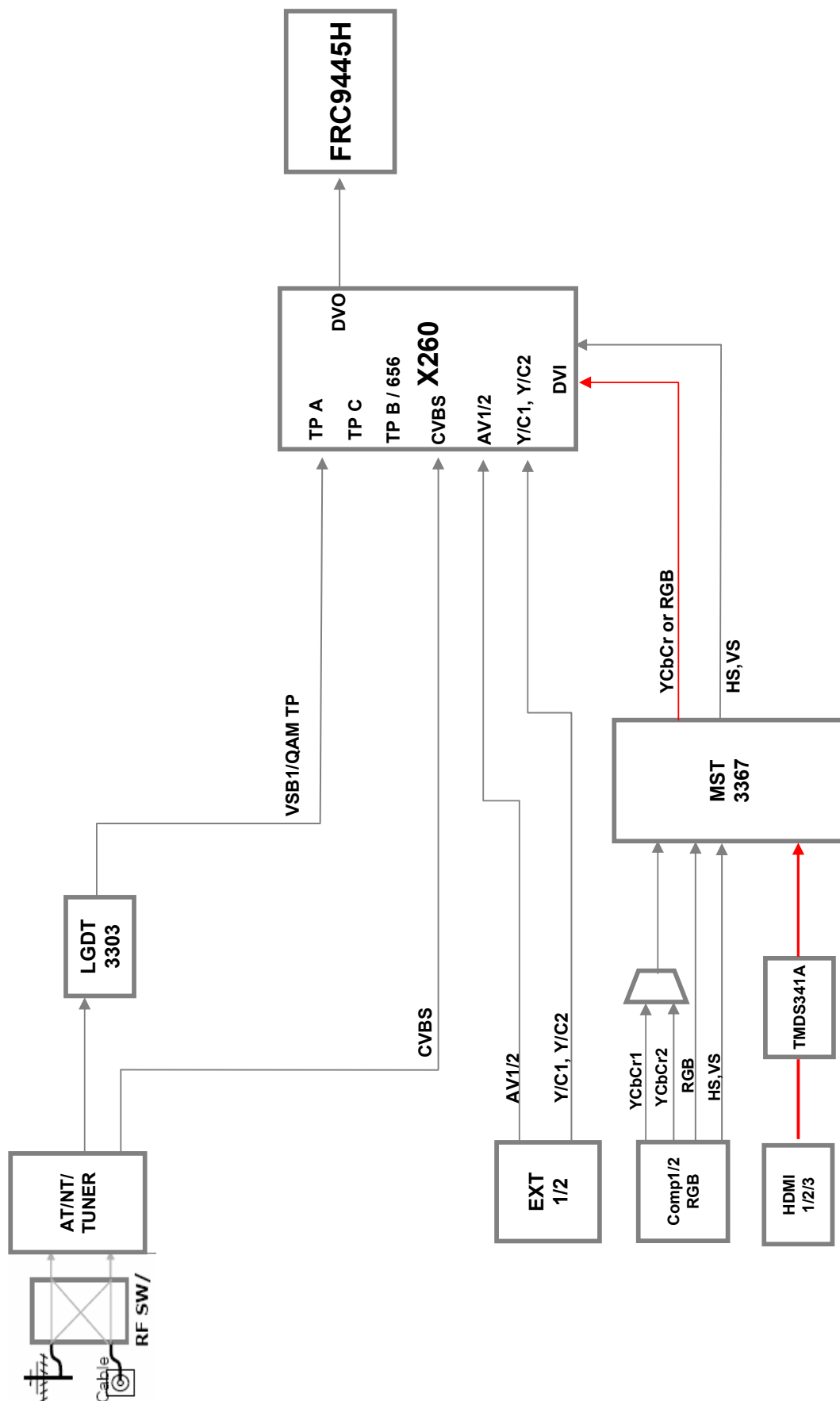


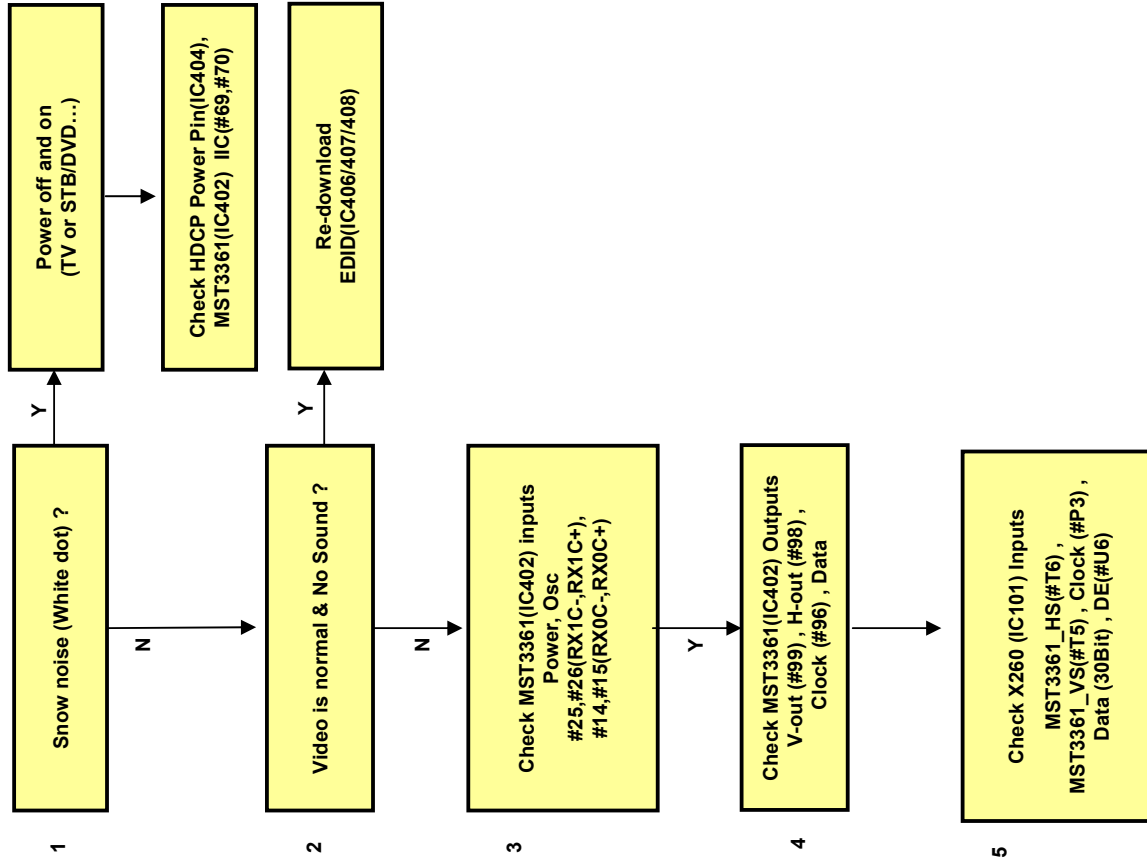
- 3 : Check STMAV335(IC403) outputs
Signal shape is same (above)

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



- 6 : _Check X260 (IC101) Inputs
_Signal shape is same (above)





1 : _Check HDCP Error

_Retry power off and on (TV or STB/DVD...)
_Check MST3361(IC402) HDCP IIC line (#69,#70)

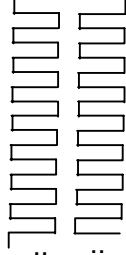


2 : _Check EDID Download

3 : _MST3361(IC402) inputs

(RX0C-,RX0C+) :

(RX1C-,RX1C+) :



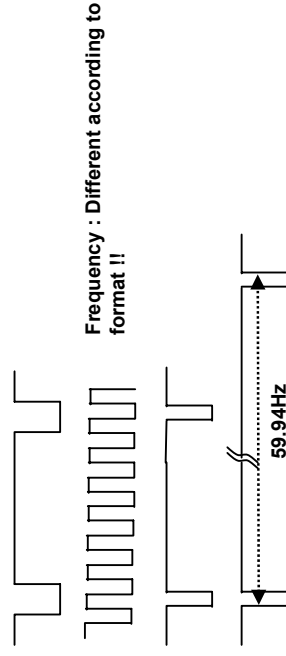
4 : _Check MST3361(IC402) Outputs

(DE) :

(Clk) :

(Hsync)

(Vsync) :



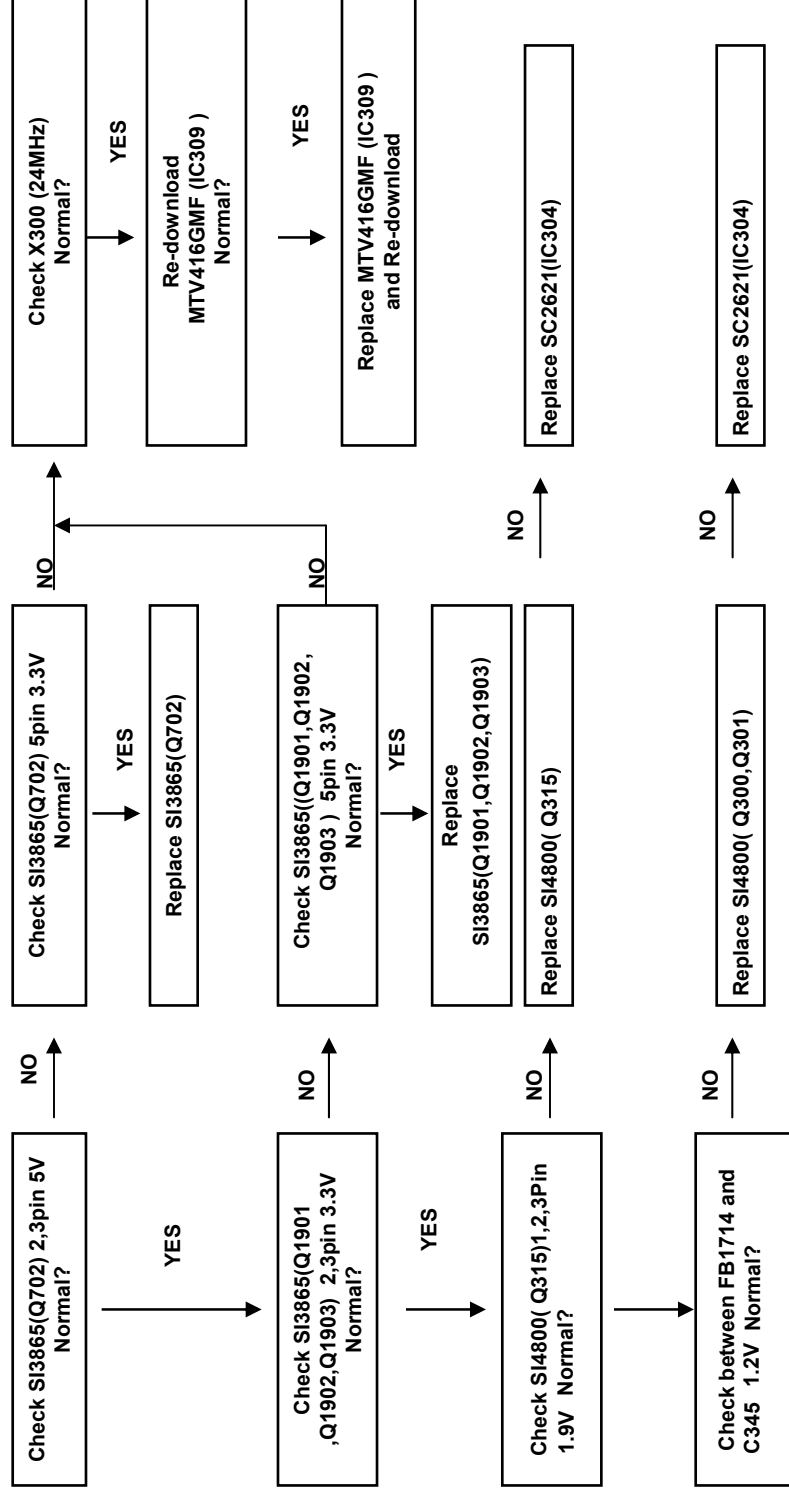
(Data) :

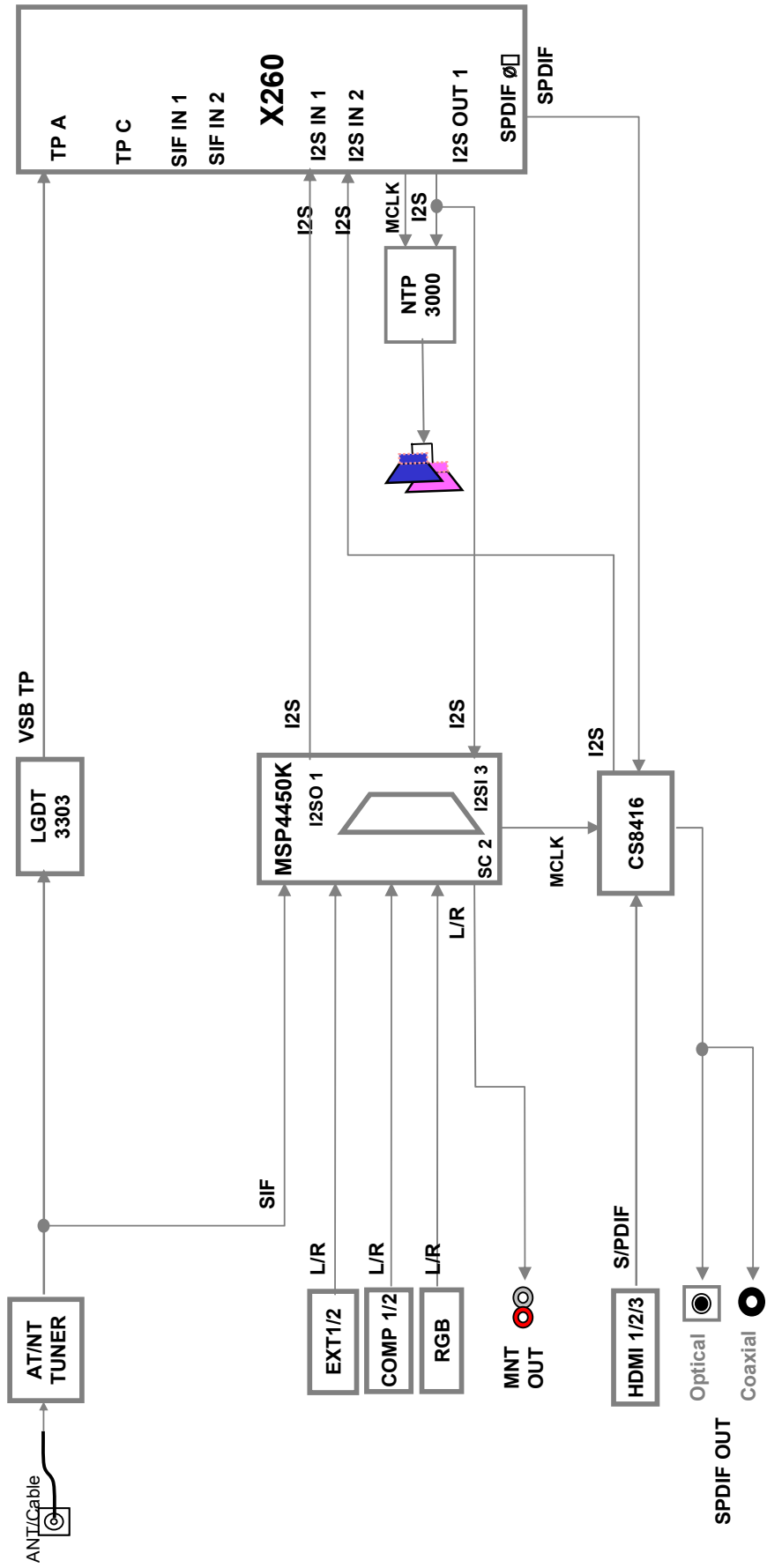


5 : _Check X260 (IC101) Inputs

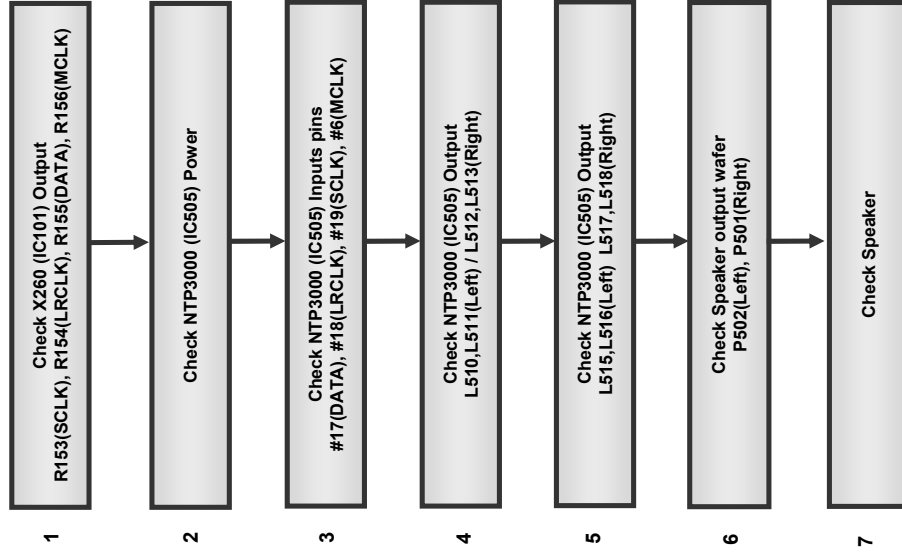
_Signal shape is same (above)

Symptom : No booting

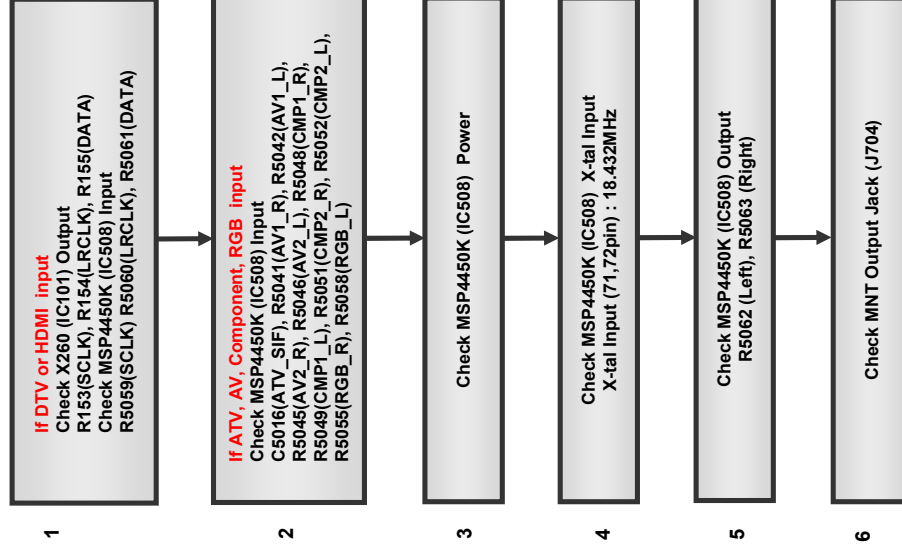




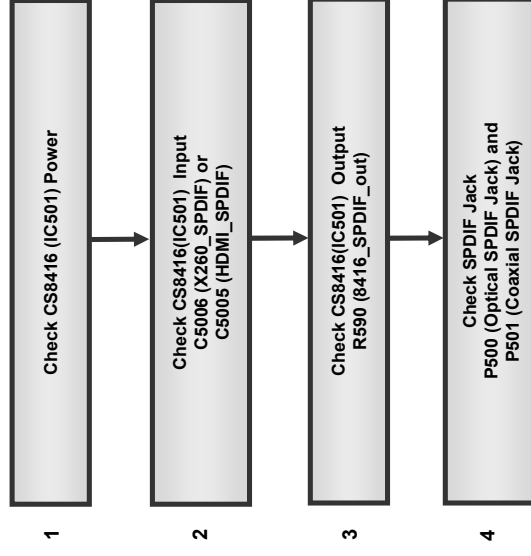
All Source Speaker Out

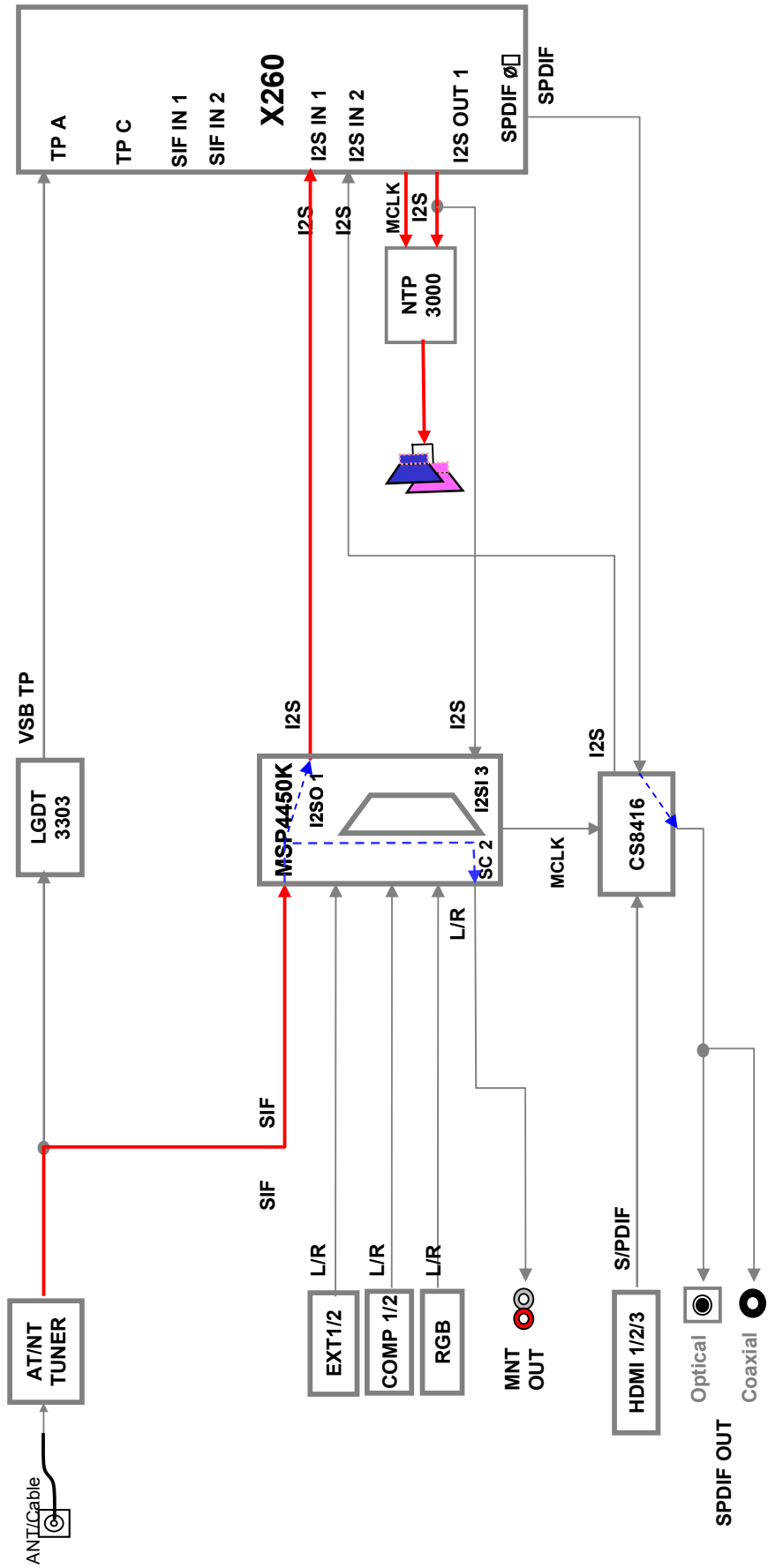


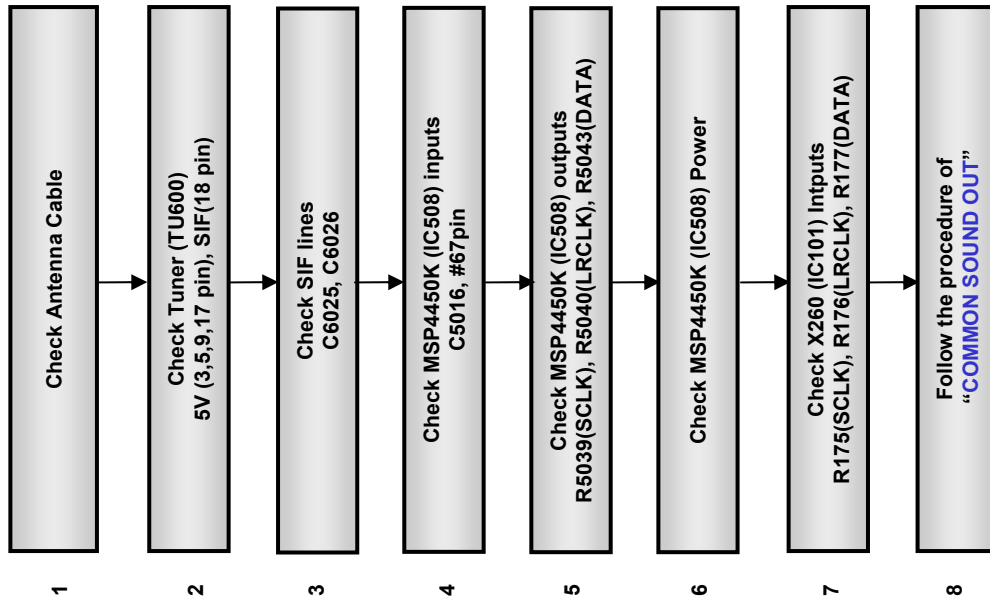
Monitor L,R Out

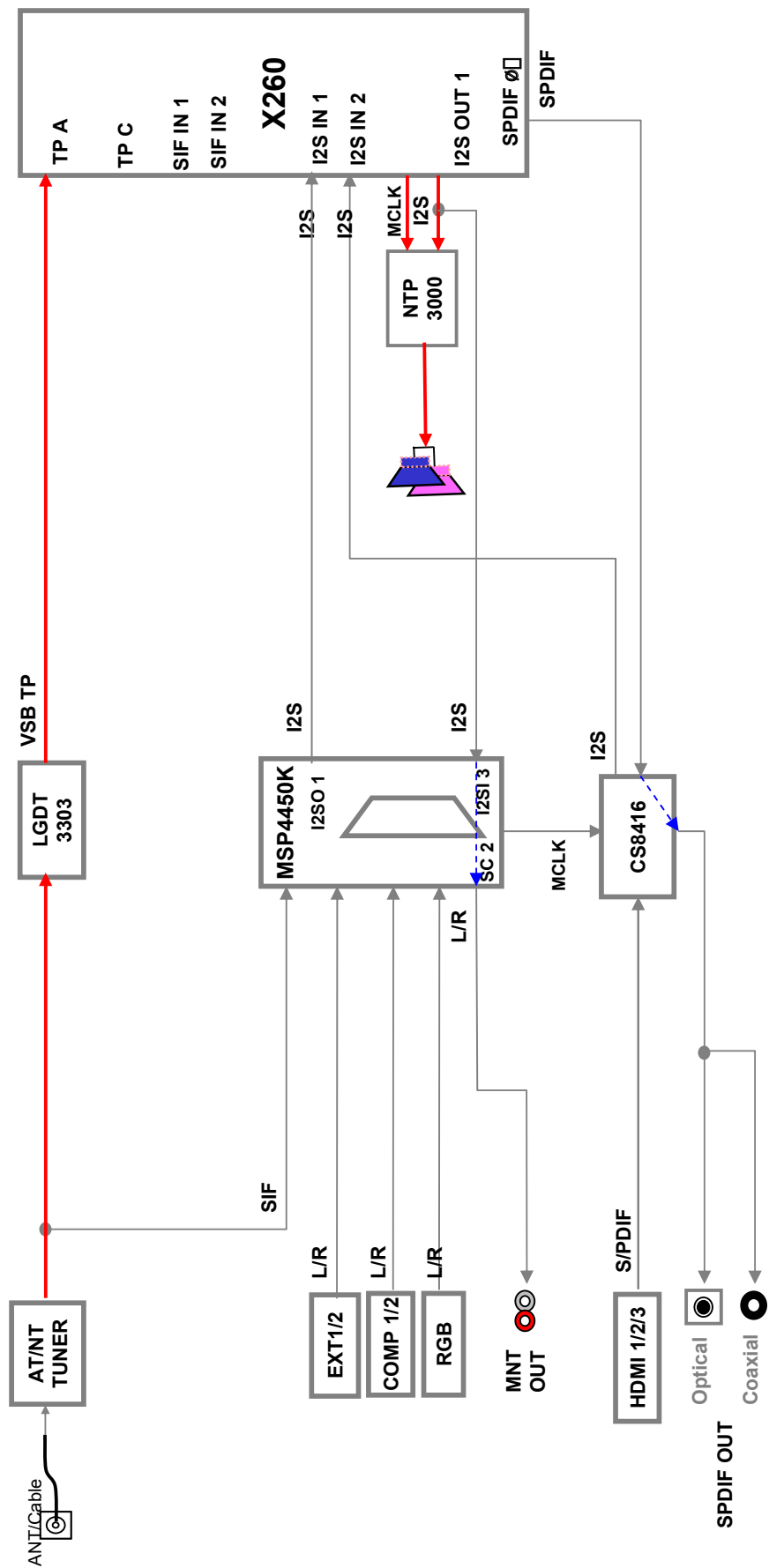


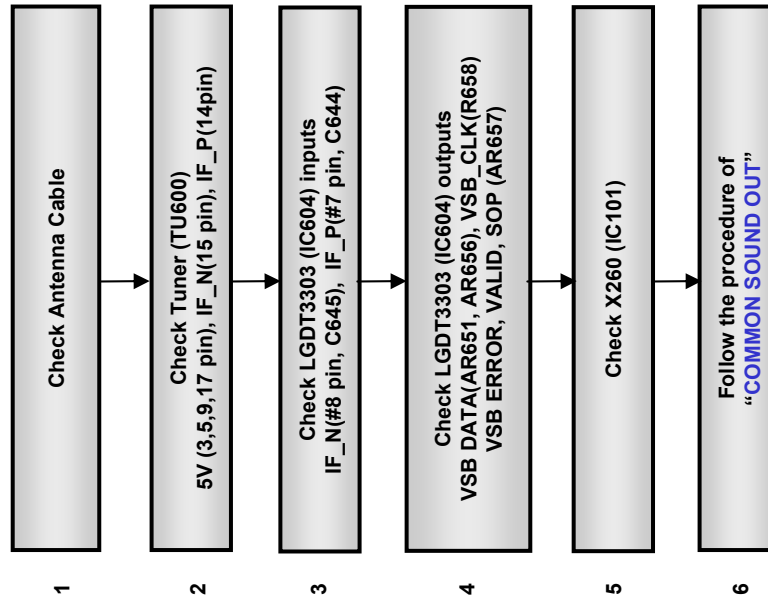
Digital Audio Out

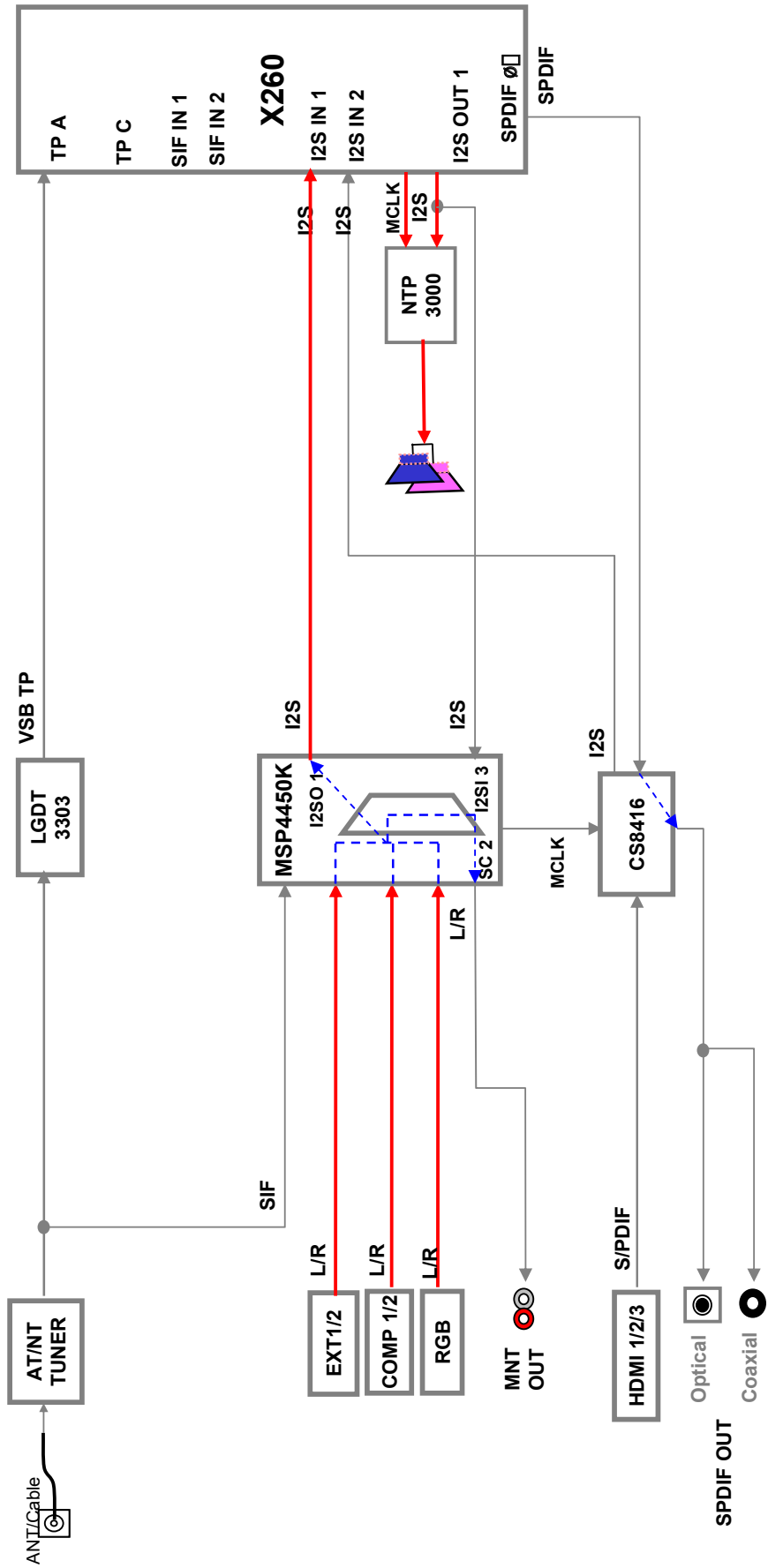


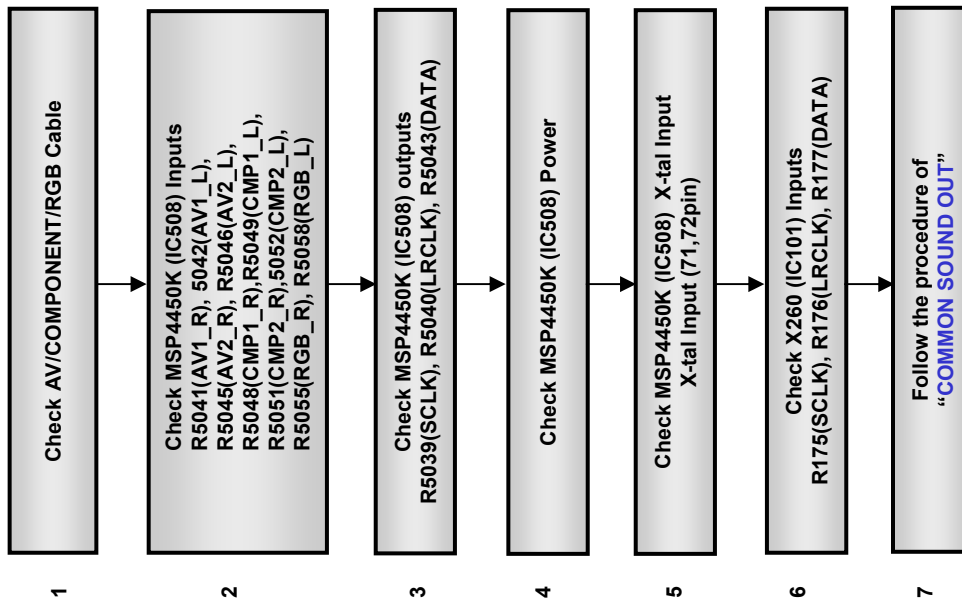


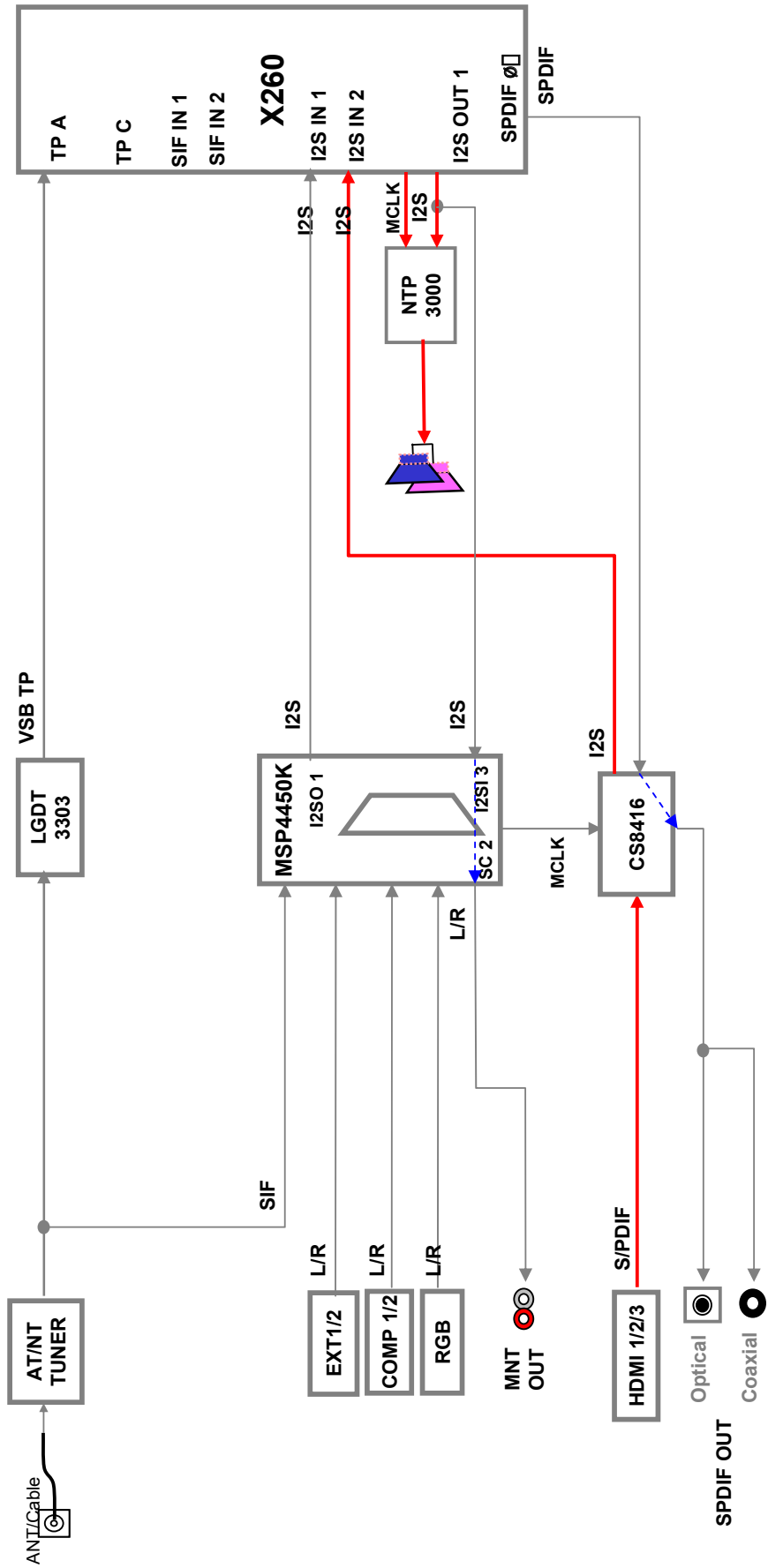


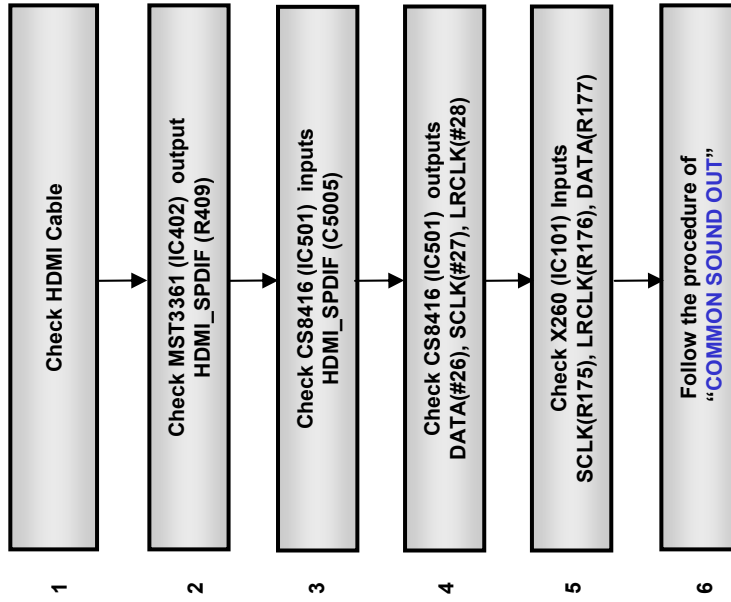




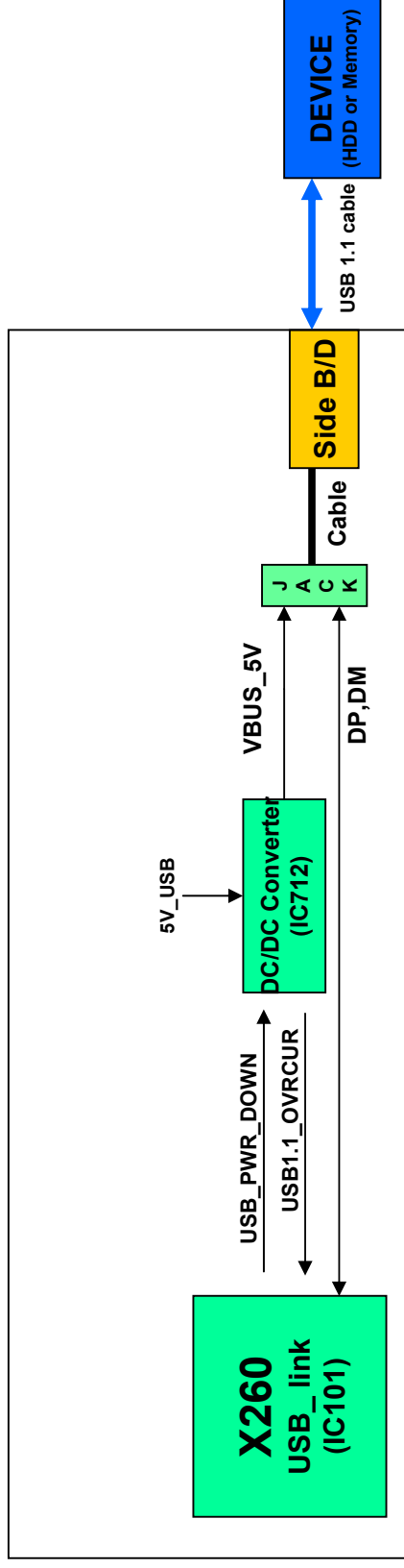




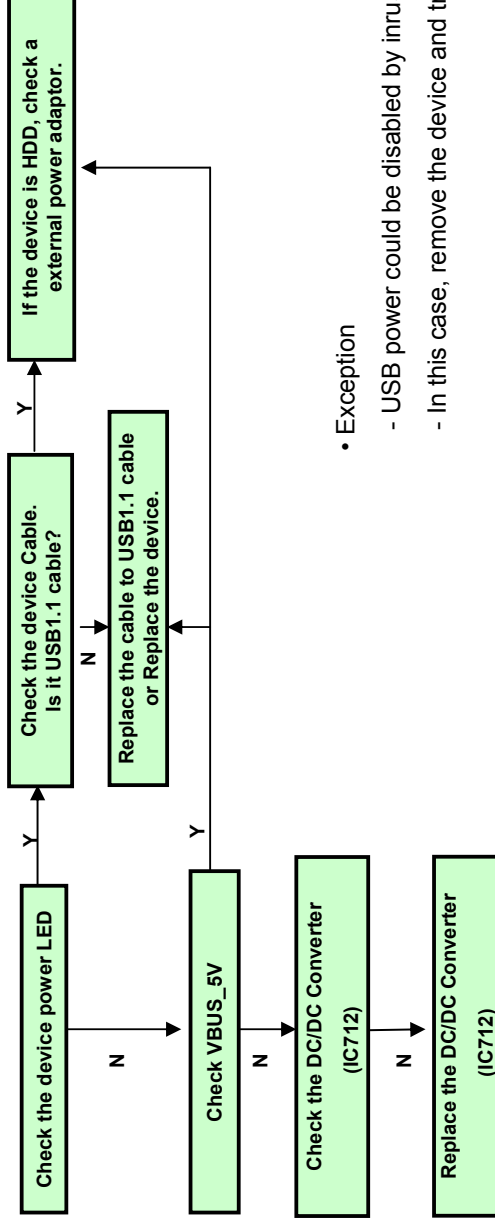




1. USB 1.1 Block Diagram For EMF



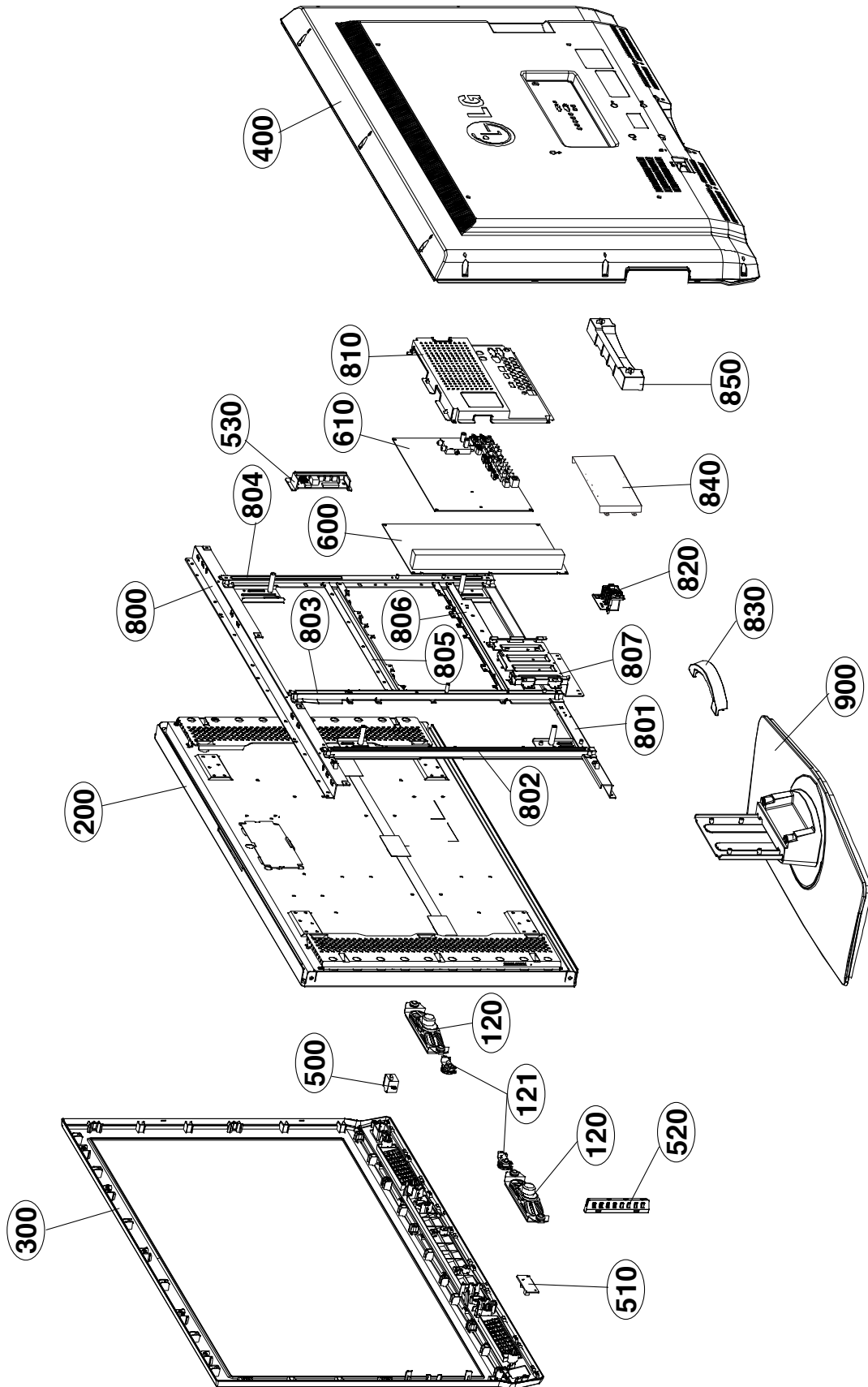
2. Check Sequence



• Exception

- USB power could be disabled by inrushing current
- In this case, remove the device and try to reboot the TV (AC power off/on)

EXPLODED VIEW



EXPLODED VIEW PARTS LIST

No.	PART NO.	DESCRIPTION
	120	EAB33775101 Speaker, Full Range, EN1562C-6712 ND 10W 8OHM 82DB 100HZ 193.5 X 42 X 39.9 LUG KOREA TOPTONE
	121	EAB33893101 Speaker, Tweeter, EN10D-6714 ND 10W 8OHM 82DB 0HZ 68 X 23 X 22.7 LUG KOREA TOPTONE
⚠	200	EAJ35565901 LCD, Module-TFT, LC470WU1-SLB2 FULLHD 47INCH 1920X1080 550CD COLOR 72% 16/9 800:1(basic) DCR(1600:1) A-TW Pol. 12000K P7 LG PHILIPS LCD
⚠	300	ABJ32083303 Cabinet Assembly, 47LB5 LA73A 47" XG569 CABINET ASS'Y FOR SKD
⚠	400	ACQ32083406 Cover Assembly, 47LB5 LA73A 47" HIPS 405AF BACK COVER ASS'Y FOR SKD
	500	6500VR0003E Sensor, Ambient Light, YGCA-T071C 12 HOUSING BK 26.4X20X26.4mm VOUT 5V(AT 80LUX) LG INNOTEK CO., LTD
	510	EBR35909801 PCB Assembly, Sub, SUB T.T LA73A 47LB5DF-UC AUSLLHX SUB T.T LA73A 47LB5DF-UC IR total
	520	EBR35015201 PCB Assembly, Sub, SUB T.T LA73A 47LB4DF-UA - Control key total
	530	EBR35015401 PCB Assembly, Sub, SUB T.T LA73A 47LB4DF-UA - Side AV total
⚠	600	EAY32816901 SMPS, AC/DC, FSP327-6F01 90VTO264V 375W 50/60 CB, UL, IEC600,650 etc... LCD 47inch SPI PSU for New chassis(E3 etc...) SPI ELECTRONIC CO., LTD
	610	EBU35309101 Main Total Assembly, 47LB5DF-UA BRAND LA73A
	800	MGJ32889304 Plate, Metal, PRESS SBHG1 1.6 METAL EGI BAR TOP(47LY3)_ NORMAL MODULE_ FOR C/SKD
	801	MGJ32889604 Plate, Metal, PRESS SBHG1 1.6 METAL EGI BAR BOTTOM (47LY3)_GENERAL MODULE_ FOR C/SKD
	802	MGJ32889802 Plate, Metal, PRESS SBHG1 1.6 METAL EGI METAL BAR, LEFT (47LY3) FOR C/SKD
	803	MGJ32897004 Plate, Metal, PRESS SBHG1 1.6 METAL EGI BAR CENTER (47LY3), FAD30046142(PEMNUT) FOR C/SKD
	804	MGJ32890003 Plate, Metal, PRESS SBHG1 1.6 METAL EGI BAR RIGHT (47LB4, PEM-NUT 'YES') FOR C/SKD
	805	MGJ32897104 Plate, Metal, PRESS SBHG1 1.6 METAL EGI BAR SIDE TOP (47LB5DF-UC) EV3_FOR C/SKD
	806	MGJ32897204 Plate, Metal, PRESS SBHG1 1.6 METAL EGI BAR SIDE BOTTOM (47LB5DF-UC) EVE3_FOR C/SKD
	807	MGJ32897302 Plate, Metal, PRESS SBHG1 1.6 METAL EGI BAR SUPPORTER (47LY3) FOR C/SKD
	810	MGJ32918107 Plate, Shield, PRESS SPTE 0.5 SHIELD SPTE COVER MAIN "01"C/SKD(EV3)
	820	EBR36524801 PCB Assembly, Sub, SUB T.T LA71A 42LY3DR-NA AKRLLH AC-Inlet Ass'y Total
	830	MAZ37752001 Bracket, MOLD HPS 51SF HANDLE 47LB4 LD73A HIPS 51SF 47LB4 CABLE MANAGEMENT(
	840	MGJ37663503 Plate, Shield, PRESS SPTE 0.5 SHIELD SPTE 47LY3/LB4/LB5/LC7 POWER SHIELD FOR C/SKD
	850	MAZ34946201 Bracket, MOLD HIPS 405AF STAND 47LC5 LA73A HIPS 405AF Guide
⚠	900	AAN33079802 Base Assembly, STAND 47LB5 LD75A STAND ASSY_NO_PRINT C/SKD (HIGH GLOSSY ROUND TYPE)

REPLACEMENT PARTS LIST

DATE: 2007. 03. 24.

LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
ACCESSORY					
A1	MFL35930210	"Manual,Owners" PRINTING USER LA73A BRA	C408	0CE476WF6DC	"Capacitor,AL,Chip" MVK6.3TP16VC47M 47uF 20
A2	6710900011Z	Remote Controller COMPLEX LA73A 42LB5DF-U	C453	0CE106WFKDC	"Capacitor,AL,Chip" MVK4.0TP16VC10M 10uF 20
A3	6410TUW008A	Power Cord "UL_CSA,LP-31 & SVT 18X3"	C466	0CE476WF6DC	"Capacitor,AL,Chip" MVK6.3TP16VC47M 47uF 20
A4	341-746B	Holder MOLD ABS CABLE Holder	C487	0CE106WFKDC	"Capacitor,AL,Chip" MVK4.0TP16VC10M 10uF 20
CAPACITORS			C488	0CE106WFKDC	"Capacitor,AL,Chip" MVK4.0TP16VC10M 10uF 20
C14	68509A0004E	"Cable,Assembly" RCA JACK RCA JACK 1.0M	C495	0CE106WFKDC	"Capacitor,AL,Chip" MVK4.0TP16VC10M 10uF 20
C15	6852TAZ010F	"Cable,Assembly" KCN-NS-0-0038 SMA CONNE	C5000	0CE105WK6DC	"Capacitor,AL,Chip" MVK4.0TP50VC1M 1uF 20%
C103	0CE107SF6DC	"Capacitor,AL,Chip" VMV107M016S0ANE010 100u	C5001	0CE105WK6DC	"Capacitor,AL,Chip" MVK4.0TP50VC1M 1uF 20%
C107	0CE477SF6DC	"Capacitor,AL,Chip" VMV477M016S0ANG030 470u	C5002	0CE106WFKDC	"Capacitor,AL,Chip" MVK4.0TP16VC10M 10uF 20
C108	0CE107SF6DC	"Capacitor,AL,Chip" VMV107M016S0ANE010 100u	C5012	0CE226WF6DC	"Capacitor,AL,Chip" MVK5.0TP16VC22M 22uF 20
C2144	0CE107WF6DC	"Capacitor,AL,Chip" MVK6.3TP16VC100M 100uF	C5018	0CE335WK6D8	"Capacitor,AL,Chip" MVK4.0TP50VC3.3M 3.3uF
C2152	0CE226WF6DC	"Capacitor,AL,Chip" MVK5.0TP16VC22M 22uF 20	C5025	0CE226WF6DC	"Capacitor,AL,Chip" MVK5.0TP16VC22M 22uF 20
C2153	EAE30840301	"Capacitor,AL,Chip" 10SVP68M 68uF 20% 10V	C5045	0CE335WK6D8	"Capacitor,AL,Chip" MVK4.0TP50VC3.3M 3.3uF
C2173	0CE226WF6DC	"Capacitor,AL,Chip" MVK5.0TP16VC22M 22uF 20	C5047	0CE107WF6DC	"Capacitor,AL,Chip" MVK6.3TP16VC100M 100uF
C2174	EAE30840301	"Capacitor,AL,Chip" 10SVP68M 68uF 20% 10V	C5048	0CE106WFKDC	"Capacitor,AL,Chip" MVK4.0TP16VC10M 10uF 20
C2188	0CE226WF6DC	"Capacitor,AL,Chip" MVK5.0TP16VC22M 22uF 20	C5049	0CE106WFKDC	"Capacitor,AL,Chip" MVK4.0TP16VC10M 10uF 20
C2189	0CE107WF6DC	"Capacitor,AL,Chip" MVK6.3TP16VC100M 100uF	C5050	0CE475WK6DC	"Capacitor,AL,Chip" MVK5.0TP50VC4.7M 4.7uF
C2189	0CE107WF6DC	"Capacitor,AL,Chip" MVK6.3TP16VC100M 100uF	C5051	0CE475WK6DC	"Capacitor,AL,Chip" MVK5.0TP50VC4.7M 4.7uF
C219	EAE30840301	"Capacitor,AL,Chip" 10SVP68M 68uF 20% 10V	C507	0CE226WF6DC	"Capacitor,AL,Chip" MVK5.0TP16VC22M 22uF 20
C240	EAE30840301	"Capacitor,AL,Chip" 10SVP68M 68uF 20% 10V	C524	0CE226WF6DC	"Capacitor,AL,Chip" MVK5.0TP16VC22M 22uF 20
C242	0CE106WFKDC	"Capacitor,AL,Chip" MVK4.0TP16VC10M 10uF 20	C525	0CE226WF6DC	"Capacitor,AL,Chip" MVK5.0TP16VC22M 22uF 20
C260	EAE30840301	"Capacitor,AL,Chip" 10SVP68M 68uF 20% 10V	C527	0CE335WK6D8	"Capacitor,AL,Chip" MVK4.0TP50VC3.3M 3.3uF
C261	EAE30840301	"Capacitor,AL,Chip" 10SVP68M 68uF 20% 10V	C532	0CE106WFKDC	"Capacitor,AL,Chip" MVK4.0TP16VC10M 10uF 20
C265	EAE30840301	"Capacitor,AL,Chip" 10SVP68M 68uF 20% 10V	C536	0CE106WFKDC	"Capacitor,AL,Chip" MVK4.0TP16VC10M 10uF 20
C300	0CE226WF6DC	"Capacitor,AL,Chip" MVK5.0TP16VC22M 22uF 20	C537	0CE106WFKDC	"Capacitor,AL,Chip" MVK4.0TP16VC10M 10uF 20
C302	0CE336WD6D8	"Capacitor,AL,Chip" RC1A336M05005VR 33uF 20	C539	0CE335WK6D8	"Capacitor,AL,Chip" MVK4.0TP50VC3.3M 3.3uF
C303	0CE476WF6DC	"Capacitor,AL,Chip" MVK6.3TP16VC47M 47uF 20	C540	0CE335WK6D8	"Capacitor,AL,Chip" MVK4.0TP50VC3.3M 3.3uF
C304	0CE476WF6DC	"Capacitor,AL,Chip" MVK6.3TP16VC47M 47uF 20	C549	0CE226WF6DC	"Capacitor,AL,Chip" MVK5.0TP16VC22M 22uF 20
C307	0CE476WF6DC	"Capacitor,AL,Chip" MVK6.3TP16VC47M 47uF 20	C550	0CE226WF6DC	"Capacitor,AL,Chip" MVK5.0TP16VC22M 22uF 20
C308	0CE106WFKDC	"Capacitor,AL,Chip" MVK4.0TP16VC10M 10uF 20	C556	0CE337WJ6D8	"Capacitor,AL,Chip" MVK12.5TP35VC330M 330uF
C310	0CE226WF6DC	"Capacitor,AL,Chip" MVK5.0TP16VC22M 22uF 20	C562	0CE106WFKDC	"Capacitor,AL,Chip" MVK4.0TP16VC10M 10uF 20
C314	0CE106WFKDC	"Capacitor,AL,Chip" MVK4.0TP16VC10M 10uF 20	C570	0CE337WJ6D8	"Capacitor,AL,Chip" MVK12.5TP35VC330M 330uF
C314	0CE476WF6DC	"Capacitor,AL,Chip" MVK6.3TP16VC47M 47uF 20	C593	0CE105WK6DC	"Capacitor,AL,Chip" MVK4.0TP50VC1M 1uF 20%
C318	0CE476WF6DC	"Capacitor,AL,Chip" MVK6.3TP16VC47M 47uF 20	C600	0CE476WF6DC	"Capacitor,AL,Chip" MVK6.3TP16VC47M 47uF 20
C319	0CE476WF6DC	"Capacitor,AL,Chip" MVK6.3TP16VC47M 47uF 20	C600	0CE476WF6DC	"Capacitor,AL,Chip" MVK6.3TP16VC47M 47uF 20
C320	0CE476WF6DC	"Capacitor,AL,Chip" MVK6.3TP16VC47M 47uF 20	C6015	EAE30840301	"Capacitor,AL,Chip" 10SVP68M 68uF 20% 10V
C336	0CE476WF6DC	"Capacitor,AL,Chip" MVK6.3TP16VC47M 47uF 20	C603	0CE106WFKDC	"Capacitor,AL,Chip" MVK4.0TP16VC10M 10uF 20
C345	0CE106WFKDC	"Capacitor,AL,Chip" MVK4.0TP16VC10M 10uF 20	C609	0CE476WF6DC	"Capacitor,AL,Chip" MVK6.3TP16VC47M 47uF 20
C346	0CE107WF6DC	"Capacitor,AL,Chip" MVK6.3TP16VC100M 100uF	C613	0CE476WF6DC	"Capacitor,AL,Chip" MVK6.3TP16VC47M 47uF 20
C354	0CE476WF6DC	"Capacitor,AL,Chip" MVK6.3TP16VC47M 47uF 20	C628	0CE107WF6DC	"Capacitor,AL,Chip" MVK6.3TP16VC100M 100uF
C356	0CE226WF6DC	"Capacitor,AL,Chip" MVK5.0TP16VC22M 22uF 20	C631	0CE476WF6DC	"Capacitor,AL,Chip" MVK6.3TP16VC47M 47uF 20
C357	0CE476WF6DC	"Capacitor,AL,Chip" MVK6.3TP16VC47M 47uF 20	C633	0CE226WF6DC	"Capacitor,AL,Chip" MVK5.0TP16VC22M 22uF 20
C363	0CE106WFKDC	"Capacitor,AL,Chip" MVK4.0TP16VC10M 10uF 20	C635	0CE106WFKDC	"Capacitor,AL,Chip" MVK4.0TP16VC10M 10uF 20
C369	0CE107WF6DC	"Capacitor,AL,Chip" MVK6.3TP16VC100M 100uF	C637	0CE476WF6DC	"Capacitor,AL,Chip" MVK6.3TP16VC47M 47uF 20
C372	0CE106WFKDC	"Capacitor,AL,Chip" MVK4.0TP16VC10M 10uF 20	C637	0CE476WF6DC	"Capacitor,AL,Chip" MVK6.3TP16VC47M 47uF 20
C400	0CE476WF6DC	"Capacitor,AL,Chip" MVK6.3TP16VC47M 47uF 20	C639	0CE226WF6DC	"Capacitor,AL,Chip" MVK5.0TP16VC22M 22uF 20
C407	0CE476WF6DC	"Capacitor,AL,Chip" MVK6.3TP16VC47M 47uF 20	C641	0CE476WF6DC	"Capacitor,AL,Chip" MVK6.3TP16VC47M 47uF 20
			C647	0CE476WF6DC	"Capacitor,AL,Chip" MVK6.3TP16VC47M 47uF 20
			C653	0CE476WF6DC	"Capacitor,AL,Chip" MVK6.3TP16VC47M 47uF 20
			C656	0CE476WF6DC	"Capacitor,AL,Chip" MVK6.3TP16VC47M 47uF 20

LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
C670	0CE105WK6DC	"Capacitor,AL,Chip" MVK4.0TP50VC1M 1uF 20%	C2139	0CK104BF56A	"Capacitor,Ceramic,Chip" C1005X7R104KET 100nF 10
C700	0CE105WK6DC	"Capacitor,AL,Chip" MVK4.0TP50VC1M 1uF 20%	C214	EAE33970001	"Capacitor,Ceramic,Chip" CS1005X5R105K6R3NR 1uF
C701	EAE30840301	"Capacitor,AL,Chip" 10SVPC68M 68uF 20% 10V	C2140	0CK104BF56A	"Capacitor,Ceramic,Chip" C1005X7R104KET 100nF 10
C7014	0CE107WF6DC	"Capacitor,AL,Chip" MVK6.3TP16VC100M 100uF	C2141	0CK104BF56A	"Capacitor,Ceramic,Chip" C1005X7R104KET 100nF 10
C711	0CE225WK6DC	"Capacitor,AL,Chip" MVK4.0TP50VC2.2M 2.2uF	C2142	0CK104BF56A	"Capacitor,Ceramic,Chip" C1005X7R104KET 100nF 10
C713	0CE225WK6DC	"Capacitor,AL,Chip" MVK4.0TP50VC2.2M 2.2uF	C2143	0CK104BF56A	"Capacitor,Ceramic,Chip" C1005X7R104KET 100nF 10
C714	0CE225WK6DC	"Capacitor,AL,Chip" MVK4.0TP50VC2.2M 2.2uF	C2145	0CK105CD56A	"Capacitor,Ceramic,Chip" C1608X7R1A105KT 1uF 10%
C721	0CE225WK6DC	"Capacitor,AL,Chip" MVK4.0TP50VC2.2M 2.2uF	C2146	0CK104BF56A	"Capacitor,Ceramic,Chip" C1005X7R104KET 100nF 10
C724	EAE32720101	"Capacitor,AL,Chip" 16SVP330M 330uF 20% 16V	C2147	0CK104BF56A	"Capacitor,Ceramic,Chip" C1005X7R104KET 100nF 10
C725	EAE32720101	"Capacitor,AL,Chip" 16SVP330M 330uF 20% 16V	C2148	0CK104BF56A	"Capacitor,Ceramic,Chip" C1005X7R104KET 100nF 10
C726	EAE30840301	"Capacitor,AL,Chip" 10SVPC68M 68uF 20% 10V	C2149	0CK104BF56A	"Capacitor,Ceramic,Chip" C1005X7R104KET 100nF 10
C727	EAE30840401	"Capacitor,AL,Chip" 25SPVD10M 10uF 20% 25V	C215	0CK104BF56A	"Capacitor,Ceramic,Chip" C1005X7R104KET 100nF 10
C737	0CE337WH6DC	"Capacitor,AL,Chip" MVK10TP25VC330M 330uF 2	C2150	0CK104BF56A	"Capacitor,Ceramic,Chip" C1005X7R104KET 100nF 10
C748	0CE476WF6DC	"Capacitor,AL,Chip" MVK6.3TP16VC47M 47uF 20	C2151	0CK104BF56A	"Capacitor,Ceramic,Chip" C1005X7R104KET 100nF 10
C756	0CE226WF6DC	"Capacitor,AL,Chip" MVK5.0TP16VC22M 22uF 20	C2154	EAE33970001	"Capacitor,Ceramic,Chip" CS1005X5R105K6R3NR 1uF
C101	0CH4471K416	"Capacitor,Ceramic,Chip" C2012C0G1H471JT 470pF 5	C2155	EAE33970001	"Capacitor,Ceramic,Chip" CS1005X5R105K6R3NR 1uF
C102	0CH5101K416	"Capacitor,Ceramic,Chip" C2012C0G1H101JT 100pF 5	C2156	EAE33970001	"Capacitor,Ceramic,Chip" CS1005X5R105K6R3NR 1uF
C104	0CH4471K416	"Capacitor,Ceramic,Chip" C2012C0G1H471JT 470pF 5	C2157	EAE33970001	"Capacitor,Ceramic,Chip" CS1005X5R105K6R3NR 1uF
C105	0CH4471K416	"Capacitor,Ceramic,Chip" C2012C0G1H471JT 470pF 5	C2158	EAE33970001	"Capacitor,Ceramic,Chip" CS1005X5R105K6R3NR 1uF
C105	0CH5101K416	"Capacitor,Ceramic,Chip" C2012C0G1H101JT 100pF 5	C2159	EAE33970001	"Capacitor,Ceramic,Chip" CS1005X5R105K6R3NR 1uF
C106	0CH5101K416	"Capacitor,Ceramic,Chip" C2012C0G1H101JT 100pF 5	C216	0CK104BF56A	"Capacitor,Ceramic,Chip" C1005X7R104KET 100nF 10
C200	0CK104BF56A	"Capacitor,Ceramic,Chip" C1005X7R104KET 100nF 10	C2160	EAE33970001	"Capacitor,Ceramic,Chip" CS1005X5R105K6R3NR 1uF
C201	EAE33970001	"Capacitor,Ceramic,Chip" CS1005X5R105K6R3NR 1uF	C2161	0CK104BF56A	"Capacitor,Ceramic,Chip" C1005X7R104KET 100nF 10
C202	0CK104BF56A	"Capacitor,Ceramic,Chip" C1005X7R104KET 100nF 10	C2162	0CK104BF56A	"Capacitor,Ceramic,Chip" C1005X7R104KET 100nF 10
C203	0CK104BF56A	"Capacitor,Ceramic,Chip" C1005X7R104KET 100nF 10	C2163	0CK104BF56A	"Capacitor,Ceramic,Chip" C1005X7R104KET 100nF 10
C204	0CK104BF56A	"Capacitor,Ceramic,Chip" C1005X7R104KET 100nF 10	C2164	0CK104BF56A	"Capacitor,Ceramic,Chip" C1005X7R104KET 100nF 10
C205	EAE33970001	"Capacitor,Ceramic,Chip" CS1005X5R105K6R3NR 1uF	C2165	0CK104BF56A	"Capacitor,Ceramic,Chip" C1005X7R104KET 100nF 10
C206	0CK104BF56A	"Capacitor,Ceramic,Chip" C1005X7R104KET 100nF 10	C2166	0CK104BF56A	"Capacitor,Ceramic,Chip" C1005X7R104KET 100nF 10
C207	EAE33970001	"Capacitor,Ceramic,Chip" CS1005X5R105K6R3NR 1uF	C2167	0CK104BF56A	"Capacitor,Ceramic,Chip" C1005X7R104KET 100nF 10
C208	0CK104BF56A	"Capacitor,Ceramic,Chip" C1005X7R104KET 100nF 10	C2168	0CK104BF56A	"Capacitor,Ceramic,Chip" C1005X7R104KET 100nF 10
C209	0CK104BF56A	"Capacitor,Ceramic,Chip" C1005X7R104KET 100nF 10	C2169	0CK104BF56A	"Capacitor,Ceramic,Chip" C1005X7R104KET 100nF 10
C210	0CK104BF56A	"Capacitor,Ceramic,Chip" C1005X7R104KET 100nF 10	C217	0CK104BF56A	"Capacitor,Ceramic,Chip" C1005X7R104KET 100nF 10
C211	EAE33970001	"Capacitor,Ceramic,Chip" CS1005X5R105K6R3NR 1uF	C2170	0CK104BF56A	"Capacitor,Ceramic,Chip" C1005X7R104KET 100nF 10
C2114	0CK104BF56A	"Capacitor,Ceramic,Chip" C1005X7R104KET 100nF 10	C2171	0CK104BF56A	"Capacitor,Ceramic,Chip" C1005X7R104KET 100nF 10
C2115	0CK104BF56A	"Capacitor,Ceramic,Chip" C1005X7R104KET 100nF 10	C2172	0CK104BF56A	"Capacitor,Ceramic,Chip" C1005X7R104KET 100nF 10
C2116	0CK104BF56A	"Capacitor,Ceramic,Chip" C1005X7R104KET 100nF 10	C2175	EAE33970001	"Capacitor,Ceramic,Chip" CS1005X5R105K6R3NR 1uF
C2117	0CK104BF56A	"Capacitor,Ceramic,Chip" C1005X7R104KET 100nF 10	C2176	EAE33970001	"Capacitor,Ceramic,Chip" CS1005X5R105K6R3NR 1uF
C2119	0CK104BF56A	"Capacitor,Ceramic,Chip" C1005X7R104KET 100nF 10	C2177	EAE33970001	"Capacitor,Ceramic,Chip" CS1005X5R105K6R3NR 1uF
C212	0CK104BF56A	"Capacitor,Ceramic,Chip" C1005X7R104KET 100nF 10	C2178	EAE33970001	"Capacitor,Ceramic,Chip" CS1005X5R105K6R3NR 1uF
C2120	0CK104BF56A	"Capacitor,Ceramic,Chip" C1005X7R104KET 100nF 10	C2179	EAE33970001	"Capacitor,Ceramic,Chip" CS1005X5R105K6R3NR 1uF
C2122	0CK104BF56A	"Capacitor,Ceramic,Chip" C1005X7R104KET 100nF 10	C218	EAE33970001	"Capacitor,Ceramic,Chip" CS1005X5R105K6R3NR 1uF
C2124	0CK106EF56A	"Capacitor,Ceramic,Chip" C3216X7R1C106KT 10uF 10	C2180	0CK104BF56A	"Capacitor,Ceramic,Chip" C1005X7R104KET 100nF 10
C2126	0CC150BK4AA	"Capacitor,Ceramic,Chip" C1005C0G1H150JT 15pF 5%	C2181	0CK104BF56A	"Capacitor,Ceramic,Chip" C1005X7R104KET 100nF 10
C2127	0CC150BK4AA	"Capacitor,Ceramic,Chip" C1005C0G1H150JT 15pF 5%	C2182	0CK104BF56A	"Capacitor,Ceramic,Chip" C1005X7R104KET 100nF 10
C2127	0CZZB00035A	"Capacitor,Ceramic,Chip" GRM1555C1H330J 33pF 5%	C2183	0CK104BF56A	"Capacitor,Ceramic,Chip" C1005X7R104KET 100nF 10
C2128	0CK102BK56A	"Capacitor,Ceramic,Chip" 0402B102K500CT 1nF 10%	C2184	0CK104BF56A	"Capacitor,Ceramic,Chip" C1005X7R104KET 100nF 10
C213	0CK104BF56A	"Capacitor,Ceramic,Chip" C1005X7R104KET 100nF 10	C2185	0CK104BF56A	"Capacitor,Ceramic,Chip" C1005X7R104KET 100nF 10
C2130	0CK104BF56A	"Capacitor,Ceramic,Chip" C1005X7R104KET 100nF 10	C2186	0CK104BF56A	"Capacitor,Ceramic,Chip" C1005X7R104KET 100nF 10
C2131	0CK106EF56A	"Capacitor,Ceramic,Chip" C3216X7R1C106KT 10uF 10	C2187	0CK104BF56A	"Capacitor,Ceramic,Chip" C1005X7R104KET 100nF 10
C2132	0CK104BF56A	"Capacitor,Ceramic,Chip" C1005X7R104KET 100nF 10	C2190	0CK105CD56A	"Capacitor,Ceramic,Chip" C1608X7R1A105KT 1uF 10%
C2133	0CK106EF56A	"Capacitor,Ceramic,Chip" C3216X7R1C106KT 10uF 10	C2191	0CK105CD56A	"Capacitor,Ceramic,Chip" C1608X7R1A105KT 1uF 10%
C2134	0CK104BF56A	"Capacitor,Ceramic,Chip" C1005X7R104KET 100nF 10	C2192	0CK105CD56A	"Capacitor,Ceramic,Chip" C1608X7R1A105KT 1uF 10%
C2136	0CK106EF56A	"Capacitor,Ceramic,Chip" C3216X7R1C106KT 10uF 10	C2193	0CK105CD56A	"Capacitor,Ceramic,Chip" C1608X7R1A105KT 1uF 10%
C2137	0CK104BF56A	"Capacitor,Ceramic,Chip" C1005X7R104KET 100nF 10	C2194	0CK104BF56A	"Capacitor,Ceramic,Chip" C1005X7R104KET 100nF 10
C2138	0CK104BF56A	"Capacitor,Ceramic,Chip" C1005X7R104KET 100nF 10	C2195	0CK104BF56A	"Capacitor,Ceramic,Chip" C1005X7R104KET 100nF 10

LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
C349	0CC221BKFAA	"Capacitor,Ceramic,Chip" C1005C0G1H221JT 220pF 5	C426	0CK104BF56A	"Capacitor,Ceramic,Chip" C1005X7R104KET 100nF 10
C350	0CC221BKFAA	"Capacitor,Ceramic,Chip" C1005C0G1H221JT 220pF 5	C427	0CK104BF56A	"Capacitor,Ceramic,Chip" C1005X7R104KET 100nF 10
C351	0CH5470K618	"Capacitor,Ceramic,Chip" 0402N470M500LT 47pF 5%	C428	0CK104BF56A	"Capacitor,Ceramic,Chip" C1005X7R104KET 100nF 10
C352	0CH5470K618	"Capacitor,Ceramic,Chip" 0402N470M500LT 47pF 5%	C429	0CK104BF56A	"Capacitor,Ceramic,Chip" C1005X7R104KET 100nF 10
C353	0CK104BF56A	"Capacitor,Ceramic,Chip" C1005X7R104KET 100nF 10	C429	0CK473CH56A	"Capacitor,Ceramic,Chip" C1608X7R1E473KT 47nF 10
C355	0CK104BF56A	"Capacitor,Ceramic,Chip" C1005X7R104KET 100nF 10	C430	0CK104BF56A	"Capacitor,Ceramic,Chip" C1005X7R104KET 100nF 10
C360	0CK104BF56A	"Capacitor,Ceramic,Chip" C1005X7R104KET 100nF 10	C431	0CK104BF56A	"Capacitor,Ceramic,Chip" C1005X7R104KET 100nF 10
C361	0CH5220K618	"Capacitor,Ceramic,Chip" 0402N220M500LT 22pF 5%	C431	EAE32166101	"Capacitor,Ceramic,Chip" CS1005XR473K250CR 0.047
C362	0CH5220K618	"Capacitor,Ceramic,Chip" 0402N220M500LT 22pF 5%	C432	0CK104BF56A	"Capacitor,Ceramic,Chip" C1005X7R104KET 100nF 10
C364	0CK104BF56A	"Capacitor,Ceramic,Chip" C1005X7R104KET 100nF 10	C433	0CK473CH56A	"Capacitor,Ceramic,Chip" C1608X7R1E473KT 47nF 10
C365	0CK104BF56A	"Capacitor,Ceramic,Chip" C1005X7R104KET 100nF 10	C434	EAE32166101	"Capacitor,Ceramic,Chip" CS1005XR473K250CR 0.047
C366	0CK104BF56A	"Capacitor,Ceramic,Chip" C1005X7R104KET 100nF 10	C436	0CK104BF56A	"Capacitor,Ceramic,Chip" C1005X7R104KET 100nF 10
C367	0CK104BF56A	"Capacitor,Ceramic,Chip" C1005X7R104KET 100nF 10	C437	0CH5220K618	"Capacitor,Ceramic,Chip" 0402N220M500LT 22pF 5%
C368	0CK104BF56A	"Capacitor,Ceramic,Chip" C1005X7R104KET 100nF 10	C438	0CH5220K618	"Capacitor,Ceramic,Chip" 0402N220M500LT 22pF 5%
C370	0CK104BF56A	"Capacitor,Ceramic,Chip" C1005X7R104KET 100nF 10	C439	0CK104BF56A	"Capacitor,Ceramic,Chip" C1005X7R104KET 100nF 10
C371	0CK104BF56A	"Capacitor,Ceramic,Chip" C1005X7R104KET 100nF 10	C440	0CK104BF56A	"Capacitor,Ceramic,Chip" C1005X7R104KET 100nF 10
C373	0CK104BF56A	"Capacitor,Ceramic,Chip" C1005X7R104KET 100nF 10	C441	0CK104BF56A	"Capacitor,Ceramic,Chip" C1005X7R104KET 100nF 10
C374	0CK104BF56A	"Capacitor,Ceramic,Chip" C1005X7R104KET 100nF 10	C442	0CK104BF56A	"Capacitor,Ceramic,Chip" C1005X7R104KET 100nF 10
C4000	0CK103CK56A	"Capacitor,Ceramic,Chip" 0603B103K500CT 10nF 10%	C449	0CK104BF56A	"Capacitor,Ceramic,Chip" C1005X7R104KET 100nF 10
C4001	0CK103CK56A	"Capacitor,Ceramic,Chip" 0603B103K500CT 10nF 10%	C450	0CK104BF56A	"Capacitor,Ceramic,Chip" C1005X7R104KET 100nF 10
C4002	0CK103CK56A	"Capacitor,Ceramic,Chip" 0603B103K500CT 10nF 10%	C451	0CK104BF56A	"Capacitor,Ceramic,Chip" C1005X7R104KET 100nF 10
C4003	0CK103CK56A	"Capacitor,Ceramic,Chip" 0603B103K500CT 10nF 10%	C452	0CK104BF56A	"Capacitor,Ceramic,Chip" C1005X7R104KET 100nF 10
C4004	0CK103CK56A	"Capacitor,Ceramic,Chip" 0603B103K500CT 10nF 10%	C454	0CK104BF56A	"Capacitor,Ceramic,Chip" C1005X7R104KET 100nF 10
C4005	0CK103CK56A	"Capacitor,Ceramic,Chip" 0603B103K500CT 10nF 10%	C457	0CK102BK56A	"Capacitor,Ceramic,Chip" 0402B102K500CT 1nF 10%
C4006	0CK103CK56A	"Capacitor,Ceramic,Chip" 0603B103K500CT 10nF 10%	C459	0CK104BF56A	"Capacitor,Ceramic,Chip" C1005X7R104KET 100nF 10
C4007	0CK103CK56A	"Capacitor,Ceramic,Chip" 0603B103K500CT 10nF 10%	C460	0CC180BKFAA	"Capacitor,Ceramic,Chip" C1005C0G1H180JT 18pF 5%
C4008	0CK103CK56A	"Capacitor,Ceramic,Chip" 0603B103K500CT 10nF 10%	C465	0CK104BF56A	"Capacitor,Ceramic,Chip" C1005X7R104KET 100nF 10
C4009	0CK103CK56A	"Capacitor,Ceramic,Chip" 0603B103K500CT 10nF 10%	C467	0CK104BF56A	"Capacitor,Ceramic,Chip" C1005X7R104KET 100nF 10
C401	0CK104BF56A	"Capacitor,Ceramic,Chip" C1005X7R104KET 100nF 10	C468	0CK104BF56A	"Capacitor,Ceramic,Chip" C1005X7R104KET 100nF 10
C4010	0CK103CK56A	"Capacitor,Ceramic,Chip" 0603B103K500CT 10nF 10%	C469	0CK101BK4EA	"Capacitor,Ceramic,Chip" C1005C0G1H101JT 100pF 5
C4011	0CK103CK56A	"Capacitor,Ceramic,Chip" 0603B103K500CT 10nF 10%	C470	0CK471BK56A	"Capacitor,Ceramic,Chip" C1005X7R1H471KT 470pF 1
C4012	0CK104BF56A	"Capacitor,Ceramic,Chip" C1005X7R104KET 100nF 10	C471	0CC180BKFAA	"Capacitor,Ceramic,Chip" C1005C0G1H180JT 18pF 5%
C4013	0CK104BF56A	"Capacitor,Ceramic,Chip" C1005X7R104KET 100nF 10	C476	0CK101BK4EA	"Capacitor,Ceramic,Chip" C1005C0G1H101JT 100pF 5
C4014	0CH5220K618	"Capacitor,Ceramic,Chip" 0402N220M500LT 22pF 5%	C477	0CH5220K618	"Capacitor,Ceramic,Chip" 0402N220M500LT 22pF 5%
C4015	0CH5220K618	"Capacitor,Ceramic,Chip" 0402N220M500LT 22pF 5%	C478	0CH5220K618	"Capacitor,Ceramic,Chip" 0402N220M500LT 22pF 5%
C402	0CK104CK56A	"Capacitor,Ceramic,Chip" 0603B104K500CT 100nF 10	C481	0CK104BF56A	"Capacitor,Ceramic,Chip" C1005X7R104KET 100nF 10
C404	0CK104BF56A	"Capacitor,Ceramic,Chip" C1005X7R104KET 100nF 10	C482	0CK104BF56A	"Capacitor,Ceramic,Chip" C1005X7R104KET 100nF 10
C405	0CK104BF56A	"Capacitor,Ceramic,Chip" C1005X7R104KET 100nF 10	C484	0CK104BF56A	"Capacitor,Ceramic,Chip" C1005X7R104KET 100nF 10
C406	0CK104BF56A	"Capacitor,Ceramic,Chip" C1005X7R104KET 100nF 10	C491	0CK104BF56A	"Capacitor,Ceramic,Chip" C1005X7R104KET 100nF 10
C409	0CK104BF56A	"Capacitor,Ceramic,Chip" C1005X7R104KET 100nF 10	C492	0CK104BF56A	"Capacitor,Ceramic,Chip" C1005X7R104KET 100nF 10
C410	0CK104BF56A	"Capacitor,Ceramic,Chip" C1005X7R104KET 100nF 10	C496	0CK104BF56A	"Capacitor,Ceramic,Chip" C1005X7R104KET 100nF 10
C412	0CK473CH56A	"Capacitor,Ceramic,Chip" C1608X7R1E473KT 47nF 10	C5003	0CK104BF56A	"Capacitor,Ceramic,Chip" C1005X7R104KET 100nF 10
C413	EAE32166101	"Capacitor,Ceramic,Chip" CS1005XR473K250CR 0.047	C5004	0CK102BK56A	"Capacitor,Ceramic,Chip" 0402B102K500CT 1nF 10%
C414	0CK102BK56A	"Capacitor,Ceramic,Chip" 0402B102K500CT 1nF 10%	C5005	0CK103CK56A	"Capacitor,Ceramic,Chip" 0603B103K500CT 10nF 10%
C415	0CK473CH56A	"Capacitor,Ceramic,Chip" C1608X7R1E473KT 47nF 10	C5006	0CK103CK56A	"Capacitor,Ceramic,Chip" 0603B103K500CT 10nF 10%
C416	0CK104BF56A	"Capacitor,Ceramic,Chip" C1005X7R104KET 100nF 10	C5007	0CK223CK56A	"Capacitor,Ceramic,Chip" UMK107JB223KA-T 22nF 10
C417	EAE32166101	"Capacitor,Ceramic,Chip" CS1005XR473K250CR 0.047	C5008	0CK103CK56A	"Capacitor,Ceramic,Chip" 0603B103K500CT 10nF 10%
C419	0CK473CH56A	"Capacitor,Ceramic,Chip" C1608X7R1E473KT 47nF 10	C5009	0CK104BF56A	"Capacitor,Ceramic,Chip" C1005X7R104KET 100nF 10
C420	0CK104BF56A	"Capacitor,Ceramic,Chip" C1005X7R104KET 100nF 10	C5010	0CK104BF56A	"Capacitor,Ceramic,Chip" C1005X7R104KET 100nF 10
C421	EAE32166101	"Capacitor,Ceramic,Chip" CS1005XR473K250CR 0.047	C5013	0CC020CK01A	"Capacitor,Ceramic,Chip" C1608C0G1H020CT 2pF 0.2
C423	0CK104BF56A	"Capacitor,Ceramic,Chip" C1005X7R104KET 100nF 10	C5014	0CC020CK01A	"Capacitor,Ceramic,Chip" C1608C0G1H020CT 2pF 0.2
C424	0CK104BF56A	"Capacitor,Ceramic,Chip" C1005X7R104KET 100nF 10	C5015	0CK104CK56A	"Capacitor,Ceramic,Chip" 0603B104K500CT 100nF 10
C424	0CK473CH56A	"Capacitor,Ceramic,Chip" C1608X7R1E473KT 47nF 10	C5016	0CC560CK41A	"Capacitor,Ceramic,Chip" C1608C0G1H560JT 56pF 5%
C425	0CK104BF56A	"Capacitor,Ceramic,Chip" C1005X7R104KET 100nF 10	C5016	0CC560CK41A	"Capacitor,Ceramic,Chip" C1608C0G1H560JT 56pF 5%
C425	EAE32166101	"Capacitor,Ceramic,Chip" CS1005XR473K250CR 0.047	C5017	0CC560CK41A	"Capacitor,Ceramic,Chip" C1608C0G1H560JT 56pF 5%

LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
C5019	0CC560CK41A	"Capacitor,Ceramic,Chip" C1608C0G1H560JT 56pF 5%	C566	0CK223CK56A	"Capacitor,Ceramic,Chip" UMK107JB223KA-T 22nF 10
C5020	0CK103CK56A	"Capacitor,Ceramic,Chip" 0603B103K500CT 10nF 10%	C567	0CK223CK56A	"Capacitor,Ceramic,Chip" UMK107JB223KA-T 22nF 10
C5021	0CK474CH94A	"Capacitor,Ceramic,Chip" 0603F474Z250CT 470nF -2	C568	0CK105CD56A	"Capacitor,Ceramic,Chip" C1608X7R1A105KT 1uF 10%
C5022	0CK222CK56A	"Capacitor,Ceramic,Chip" 0603B222K500CT 2.2nF 10	C569	0CK104CK56A	"Capacitor,Ceramic,Chip" 0603B104K500CT 100nF 10
C5023	0CK474CH94A	"Capacitor,Ceramic,Chip" 0603F474Z250CT 470nF -2	C571	0CK104CK56A	"Capacitor,Ceramic,Chip" 0603B104K500CT 100nF 10
C5024	0CK222CK56A	"Capacitor,Ceramic,Chip" 0603B222K500CT 2.2nF 10	C572	0CK104CK56A	"Capacitor,Ceramic,Chip" 0603B104K500CT 100nF 10
C5026	0CK474CH94A	"Capacitor,Ceramic,Chip" 0603F474Z250CT 470nF -2	C573	0CK104CK56A	"Capacitor,Ceramic,Chip" 0603B104K500CT 100nF 10
C5027	0CK222CK56A	"Capacitor,Ceramic,Chip" 0603B222K500CT 2.2nF 10	C574	0CK103CK56A	"Capacitor,Ceramic,Chip" 0603B103K500CT 10nF 10%
C5028	0CK474CH94A	"Capacitor,Ceramic,Chip" 0603F474Z250CT 470nF -2	C575	0CK104CK56A	"Capacitor,Ceramic,Chip" 0603B104K500CT 100nF 10
C5029	0CK222CK56A	"Capacitor,Ceramic,Chip" 0603B222K500CT 2.2nF 10	C575	0CK474CH94A	"Capacitor,Ceramic,Chip" 0603F474Z250CT 470nF -2
C5030	0CK104CK56A	"Capacitor,Ceramic,Chip" 0603B104K500CT 100nF 10	C576	0CK474CH94A	"Capacitor,Ceramic,Chip" 0603F474Z250CT 470nF -2
C5031	0CK474CH94A	"Capacitor,Ceramic,Chip" 0603F474Z250CT 470nF -2	C581	0CK102CK56A	"Capacitor,Ceramic,Chip" 0603B102K500CT 1nF 10%
C5032	0CK222CK56A	"Capacitor,Ceramic,Chip" 0603B222K500CT 2.2nF 10	C582	0CK102CK56A	"Capacitor,Ceramic,Chip" 0603B102K500CT 1nF 10%
C5033	0CK474CH94A	"Capacitor,Ceramic,Chip" 0603F474Z250CT 470nF -2	C583	0CK102CK56A	"Capacitor,Ceramic,Chip" 0603B102K500CT 1nF 10%
C5034	0CK103CK56A	"Capacitor,Ceramic,Chip" 0603B103K500CT 10nF 10%	C584	0CK102CK56A	"Capacitor,Ceramic,Chip" 0603B102K500CT 1nF 10%
C5035	0CK222CK56A	"Capacitor,Ceramic,Chip" 0603B222K500CT 2.2nF 10	C585	0CK104CK56A	"Capacitor,Ceramic,Chip" 0603B104K500CT 100nF 10
C5036	0CK474CH94A	"Capacitor,Ceramic,Chip" 0603F474Z250CT 470nF -2	C586	0CK104CK56A	"Capacitor,Ceramic,Chip" 0603B104K500CT 100nF 10
C5037	0CK222CK56A	"Capacitor,Ceramic,Chip" 0603B222K500CT 2.2nF 10	C587	0CK104CK56A	"Capacitor,Ceramic,Chip" 0603B104K500CT 100nF 10
C5038	0CK474CH94A	"Capacitor,Ceramic,Chip" 0603F474Z250CT 470nF -2	C588	0CK104CK56A	"Capacitor,Ceramic,Chip" 0603B104K500CT 100nF 10
C5039	0CC101CK41A	"Capacitor,Ceramic,Chip" C1608C0G1H101JT 100pF 5	C589	0CK474DK56A	"Capacitor,Ceramic,Chip" UMK212BJ474KG-T 470nF 1
C5040	0CK222CK56A	"Capacitor,Ceramic,Chip" 0603B222K500CT 2.2nF 10	C590	0CK474DK56A	"Capacitor,Ceramic,Chip" UMK212BJ474KG-T 470nF 1
C5041	0CK222CK56A	"Capacitor,Ceramic,Chip" 0603B222K500CT 2.2nF 10	C591	0CK104CK56A	"Capacitor,Ceramic,Chip" 0603B104K500CT 100nF 10
C5042	0CK222CK56A	"Capacitor,Ceramic,Chip" 0603B222K500CT 2.2nF 10	C592	0CK103CK56A	"Capacitor,Ceramic,Chip" 0603B103K500CT 10nF 10%
C5043	0CK103CK56A	"Capacitor,Ceramic,Chip" 0603B103K500CT 10nF 10%	C594	0CK103CK56A	"Capacitor,Ceramic,Chip" 0603B103K500CT 10nF 10%
C5044	0CC471CK41A	"Capacitor,Ceramic,Chip" C1608C0G1H471JT 470pF 5	C595	0CK104CK56A	"Capacitor,Ceramic,Chip" 0603B104K500CT 100nF 10
C5046	0CK104CK56A	"Capacitor,Ceramic,Chip" 0603B104K500CT 100nF 10	C596	0CK104CK56A	"Capacitor,Ceramic,Chip" 0603B104K500CT 100nF 10
C5052	0CK104CK56A	"Capacitor,Ceramic,Chip" 0603B104K500CT 100nF 10	C597	0CK103CK56A	"Capacitor,Ceramic,Chip" 0603B103K500CT 10nF 10%
C509	0CK103CK56A	"Capacitor,Ceramic,Chip" 0603B103K500CT 10nF 10%	C598	0CK103CK56A	"Capacitor,Ceramic,Chip" 0603B103K500CT 10nF 10%
C511	0CK104BF56A	"Capacitor,Ceramic,Chip" C1005X7R104KET 100nF 10	C599	0CK104BF56A	"Capacitor,Ceramic,Chip" C1005X7R104KET 100nF 10
C512	0CK101BK4EA	"Capacitor,Ceramic,Chip" C1005C0G1H101JT 100pF 5	C6008	0CK104BF56A	"Capacitor,Ceramic,Chip" C1005X7R104KET 100nF 10
C513	0CK101BK4EA	"Capacitor,Ceramic,Chip" C1005C0G1H101JT 100pF 5	C6009	0CK104BF56A	"Capacitor,Ceramic,Chip" C1005X7R104KET 100nF 10
C515	0CK104BF56A	"Capacitor,Ceramic,Chip" C1005X7R104KET 100nF 10	C601	0CK104BF56A	"Capacitor,Ceramic,Chip" C1005X7R104KET 100nF 10
C523	0CK103CK56A	"Capacitor,Ceramic,Chip" 0603B103K500CT 10nF 10%	C6010	0CK104BF56A	"Capacitor,Ceramic,Chip" C1005X7R104KET 100nF 10
C528	0CK103CK56A	"Capacitor,Ceramic,Chip" 0603B103K500CT 10nF 10%	C6015	0CK226FF67A	"Capacitor,Ceramic,Chip" EMK325BJ226MM-T 22uF 20
C529	0CK104BF56A	"Capacitor,Ceramic,Chip" C1005X7R104KET 100nF 10	C6017	0CK226FF67A	"Capacitor,Ceramic,Chip" EMK325BJ226MM-T 22uF 20
C530	0CK104CK56A	"Capacitor,Ceramic,Chip" 0603B104K500CT 100nF 10	C6018	0CK102BK56A	"Capacitor,Ceramic,Chip" 0402B102K500CT 1nF 10%
C531	0CK101BK4EA	"Capacitor,Ceramic,Chip" C1005C0G1H101JT 100pF 5	C6019	0CK102BK56A	"Capacitor,Ceramic,Chip" 0402B102K500CT 1nF 10%
C533	0CK102BK56A	"Capacitor,Ceramic,Chip" 0402B102K500CT 1nF 10%	C6021	0CK102BK56A	"Capacitor,Ceramic,Chip" 0402B102K500CT 1nF 10%
C534	0CK104CK56A	"Capacitor,Ceramic,Chip" 0603B104K500CT 100nF 10	C6022	0CK102BK56A	"Capacitor,Ceramic,Chip" 0402B102K500CT 1nF 10%
C535	0CK104BF56A	"Capacitor,Ceramic,Chip" C1005X7R104KET 100nF 10	C6023	0CC180BKFAA	"Capacitor,Ceramic,Chip" C1005C0G1H180JT 18pF 5%
C541	0CK104BF56A	"Capacitor,Ceramic,Chip" C1005X7R104KET 100nF 10	C6024	0CC180BKFAA	"Capacitor,Ceramic,Chip" C1005C0G1H180JT 18pF 5%
C542	0CK104CK56A	"Capacitor,Ceramic,Chip" 0603B104K500CT 100nF 10	C6025	0CK103BH56A	"Capacitor,Ceramic,Chip" C1005X7R1E103KT- 10nF 1
C546	0CK105CD56A	"Capacitor,Ceramic,Chip" C1608X7R1A105KT 1uF 10%	C6026	0CK103BH56A	"Capacitor,Ceramic,Chip" C1005X7R1E103KT- 10nF 1
C547	0CZZB00035A	"Capacitor,Ceramic,Chip" GRM1555C1H330J 33pF 5%	C604	0CK104BF56A	"Capacitor,Ceramic,Chip" C1005X7R104KET 100nF 10
C548	0CZZB00035A	"Capacitor,Ceramic,Chip" GRM1555C1H330J 33pF 5%	C605	0CK103BH56A	"Capacitor,Ceramic,Chip" C1005X7R1E103KT- 10nF 1
C551	0CK223CK56A	"Capacitor,Ceramic,Chip" UMK107JB223KA-T 22nF 10	C605	EAE3216601	"Capacitor,Ceramic,Chip" CH1005CG391J500NR 390pF
C552	0CK103CK56A	"Capacitor,Ceramic,Chip" 0603B103K500CT 10nF 10%	C610	0CK104BF56A	"Capacitor,Ceramic,Chip" C1005X7R104KET 100nF 10
C557	0CK104CK56A	"Capacitor,Ceramic,Chip" 0603B104K500CT 100nF 10	C611	0CK104BF56A	"Capacitor,Ceramic,Chip" C1005X7R104KET 100nF 10
C558	0CK104CK56A	"Capacitor,Ceramic,Chip" 0603B104K500CT 100nF 10	C612	0CK104BF56A	"Capacitor,Ceramic,Chip" C1005X7R104KET 100nF 10
C559	0CK223CK56A	"Capacitor,Ceramic,Chip" UMK107JB223KA-T 22nF 10	C614	0CK104BF56A	"Capacitor,Ceramic,Chip" C1005X7R104KET 100nF 10
C560	0CK104BF56A	"Capacitor,Ceramic,Chip" C1005X7R104KET 100nF 10	C616	0CK104BF56A	"Capacitor,Ceramic,Chip" C1005X7R104KET 100nF 10
C561	0CK104CK56A	"Capacitor,Ceramic,Chip" 0603B104K500CT 100nF 10	C617	0CK104BF56A	"Capacitor,Ceramic,Chip" C1005X7R104KET 100nF 10
C563	0CK103CK56A	"Capacitor,Ceramic,Chip" 0603B103K500CT 10nF 10%	C618	0CK104BF56A	"Capacitor,Ceramic,Chip" C1005X7R104KET 100nF 10
C564	0CK105CD56A	"Capacitor,Ceramic,Chip" C1608X7R1A105KT 1uF 10%	C619	0CK104BF56A	"Capacitor,Ceramic,Chip" C1005X7R104KET 100nF 10
C565	0CK105CD56A	"Capacitor,Ceramic,Chip" C1608X7R1A105KT 1uF 10%	C620	0CK104BF56A	"Capacitor,Ceramic,Chip" C1005X7R104KET 100nF 10

LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
C621	0CK104BF56A	"Capacitor,Ceramic,Chip" C1005X7R104KET 100nF 10	C710	0CK104CK56A	"Capacitor,Ceramic,Chip" 0603B104K500CT 100nF 10
C622	0CK104BF56A	"Capacitor,Ceramic,Chip" C1005X7R104KET 100nF 10	C712	0CK104CK56A	"Capacitor,Ceramic,Chip" 0603B104K500CT 100nF 10
C623	0CK104BF56A	"Capacitor,Ceramic,Chip" C1005X7R104KET 100nF 10	C717	0CK101BK4EA	"Capacitor,Ceramic,Chip" C1005C0G1H101JT 100pF 5
C624	0CK104BF56A	"Capacitor,Ceramic,Chip" C1005X7R104KET 100nF 10	C718	0CK101BK4EA	"Capacitor,Ceramic,Chip" C1005C0G1H101JT 100pF 5
C625	0CK104BF56A	"Capacitor,Ceramic,Chip" C1005X7R104KET 100nF 10	C722	0CK101BK4EA	"Capacitor,Ceramic,Chip" C1005C0G1H101JT 100pF 5
C626	0CK104BF56A	"Capacitor,Ceramic,Chip" C1005X7R104KET 100nF 10	C722	0CK101BK4EA	"Capacitor,Ceramic,Chip" C1005C0G1H101JT 100pF 5
C627	0CK104BF56A	"Capacitor,Ceramic,Chip" C1005X7R104KET 100nF 10	C723	0CK101BK4EA	"Capacitor,Ceramic,Chip" C1005C0G1H101JT 100pF 5
C629	0CK104BF56A	"Capacitor,Ceramic,Chip" C1005X7R104KET 100nF 10	C723	0CK101BK4EA	"Capacitor,Ceramic,Chip" C1005C0G1H101JT 100pF 5
C630	0CK102BK56A	"Capacitor,Ceramic,Chip" 0402B102K500CT 1nF 10%	C728	0CK471BK56A	"Capacitor,Ceramic,Chip" C1005X7R1H471KT 470pF 1
C632	0CK104BF56A	"Capacitor,Ceramic,Chip" C1005X7R104KET 100nF 10	C729	0CK471BK56A	"Capacitor,Ceramic,Chip" C1005X7R1H471KT 470pF 1
C634	0CK104BF56A	"Capacitor,Ceramic,Chip" C1005X7R104KET 100nF 10	C733	0CK471BK56A	"Capacitor,Ceramic,Chip" C1005X7R1H471KT 470pF 1
C636	0CK104BF56A	"Capacitor,Ceramic,Chip" C1005X7R104KET 100nF 10	C735	0CK104CK56A	"Capacitor,Ceramic,Chip" 0603B104K500CT 100nF 10
C638	0CK104BF56A	"Capacitor,Ceramic,Chip" C1005X7R104KET 100nF 10	C742	0CK104BF56A	"Capacitor,Ceramic,Chip" C1005X7R104KET 100nF 10
C640	0CK104BF56A	"Capacitor,Ceramic,Chip" C1005X7R104KET 100nF 10	C743	0CK104BF56A	"Capacitor,Ceramic,Chip" C1005X7R104KET 100nF 10
C642	0CK104BF56A	"Capacitor,Ceramic,Chip" C1005X7R104KET 100nF 10	C744	0CC102CK41A	"Capacitor,Ceramic,Chip" C1608C0G1H102JT 1nF 5%
C644	0CK103BH56A	"Capacitor,Ceramic,Chip" C1005X7R1E103KT- 10nF 1	C746	0CK104BF56A	"Capacitor,Ceramic,Chip" C1005X7R104KET 100nF 10
C645	0CK103BH56A	"Capacitor,Ceramic,Chip" C1005X7R1E103KT- 10nF 1	C754	0CK104BF56A	"Capacitor,Ceramic,Chip" C1005X7R104KET 100nF 10
C648	0CK104BF56A	"Capacitor,Ceramic,Chip" C1005X7R104KET 100nF 10	C757	0CK104BF56A	"Capacitor,Ceramic,Chip" C1005X7R104KET 100nF 10
C649	0CK104BF56A	"Capacitor,Ceramic,Chip" C1005X7R104KET 100nF 10	C763	0CK104BF56A	"Capacitor,Ceramic,Chip" C1005X7R104KET 100nF 10
C650	0CK104BF56A	"Capacitor,Ceramic,Chip" C1005X7R104KET 100nF 10	C764	0CK104BF56A	"Capacitor,Ceramic,Chip" C1005X7R104KET 100nF 10
C651	0CK104BF56A	"Capacitor,Ceramic,Chip" C1005X7R104KET 100nF 10	C765	0CK104BF56A	"Capacitor,Ceramic,Chip" C1005X7R104KET 100nF 10
C652	0CK104BF56A	"Capacitor,Ceramic,Chip" C1005X7R104KET 100nF 10	C766	0CK104BF56A	"Capacitor,Ceramic,Chip" C1005X7R104KET 100nF 10
C660	0CK104BF56A	"Capacitor,Ceramic,Chip" C1005X7R104KET 100nF 10	C767	0CK104BF56A	"Capacitor,Ceramic,Chip" C1005X7R104KET 100nF 10
C661	0CK104BF56A	"Capacitor,Ceramic,Chip" C1005X7R104KET 100nF 10	C768	0CK104BF56A	"Capacitor,Ceramic,Chip" C1005X7R104KET 100nF 10
C663	0CK102BK56A	"Capacitor,Ceramic,Chip" 0402B102K500CT 1nF 10%	C801	0CK104BF56A	"Capacitor,Ceramic,Chip" C1005X7R104KET 100nF 10
C666	0CH2334F566	"Capacitor,Ceramic,Chip" 0805B334K160CT 330nF 10	C811	0CK104BF56A	"Capacitor,Ceramic,Chip" C1005X7R104KET 100nF 10
C667	0CK104BF56A	"Capacitor,Ceramic,Chip" C1005X7R104KET 100nF 10	C823	0CK104BF56A	"Capacitor,Ceramic,Chip" C1005X7R104KET 100nF 10
C668	0CK104BF56A	"Capacitor,Ceramic,Chip" C1005X7R104KET 100nF 10	C828	0CC150CK41A	"Capacitor,Ceramic,Chip" C1608C0G1H150JT 15pF 5%
C671	0CK104BF56A	"Capacitor,Ceramic,Chip" C1005X7R104KET 100nF 10	C845	0CK104BF56A	"Capacitor,Ceramic,Chip" C1005X7R104KET 100nF 10
C672	0CK104BF56A	"Capacitor,Ceramic,Chip" C1005X7R104KET 100nF 10	C846	0CK104BF56A	"Capacitor,Ceramic,Chip" C1005X7R104KET 100nF 10
C673	0CK104BF56A	"Capacitor,Ceramic,Chip" C1005X7R104KET 100nF 10	C848	0CK104BF56A	"Capacitor,Ceramic,Chip" C1005X7R104KET 100nF 10
C674	0CK104BF56A	"Capacitor,Ceramic,Chip" C1005X7R104KET 100nF 10	C882	0CK104BF56A	"Capacitor,Ceramic,Chip" C1005X7R104KET 100nF 10
C675	0CK104BF56A	"Capacitor,Ceramic,Chip" C1005X7R104KET 100nF 10	DIODEs		
C676	0CK104BF56A	"Capacitor,Ceramic,Chip" C1005X7R104KET 100nF 10	D303	0DD184009AA	Diode Assembly KDS184 KDS184 TP KEC -
C677	0CK104BF56A	"Capacitor,Ceramic,Chip" C1005X7R104KET 100nF 10	D304	0DD184009AA	Diode Assembly KDS184 KDS184 TP KEC -
C678	0CK104BF56A	"Capacitor,Ceramic,Chip" C1005X7R104KET 100nF 10	D402	0DD184009AA	Diode Assembly KDS184 KDS184 TP KEC -
C679	0CK104BF56A	"Capacitor,Ceramic,Chip" C1005X7R104KET 100nF 10	D404	0DD184009AA	Diode Assembly KDS184 KDS184 TP KEC -
C680	0CK104BF56A	"Capacitor,Ceramic,Chip" C1005X7R104KET 100nF 10	D408	0DD184009AA	Diode Assembly KDS184 KDS184 TP KEC -
C681	0CK104BF56A	"Capacitor,Ceramic,Chip" C1005X7R104KET 100nF 10	D300	0DSGD00038A	"Diode,Switching" 1N4148W 1.25V 100V 150M
C682	0CK104BF56A	"Capacitor,Ceramic,Chip" C1005X7R104KET 100nF 10	D301	0DRSE00038A	"Diode,TVS" SDC15 1.3V 14.3VTO16.4V
C683	0CK104BF56A	"Capacitor,Ceramic,Chip" C1005X7R104KET 100nF 10	D302	0DRSE00038A	"Diode,TVS" SDC15 1.3V 14.3VTO16.4V
C685	0CK104BF56A	"Capacitor,Ceramic,Chip" C1005X7R104KET 100nF 10	ZD101	0DZ560009DA	"Diode,Zener" UDZS5.6B 5.6V 5.49TO5.7
C686	EAE30281301	"Capacitor,Ceramic,Chip" CS1005C0G200J400NR 20pF	ZD102	0DZ560009DA	"Diode,Zener" UDZS5.6B 5.6V 5.49TO5.7
C687	EAE30281301	"Capacitor,Ceramic,Chip" CS1005C0G200J400NR 20pF	ZD300	0DZ330009GB	"Diode,Zener" UDZS3.3B 3.3V 3.32TO3.5
C696	0CK104BF56A	"Capacitor,Ceramic,Chip" C1005X7R104KET 100nF 10	ZD405	0DZ360009EB	"Diode,Zener" UDZS3.6B 3.6V 3.6TO3.84
C697	0CK104BF56A	"Capacitor,Ceramic,Chip" C1005X7R104KET 100nF 10	ZD406	0DZ360009EB	"Diode,Zener" UDZS3.6B 3.6V 3.6TO3.84
C7012	0CK104BF56A	"Capacitor,Ceramic,Chip" C1005X7R104KET 100nF 10	ZD407	0DZ560009DA	"Diode,Zener" UDZS5.6B 5.6V 5.49TO5.7
C7013	0CK103CK56A	"Capacitor,Ceramic,Chip" 0603B103K500CT 10nF 10%	ZD408	0DZ560009DA	"Diode,Zener" UDZS5.6B 5.6V 5.49TO5.7
C7015	0CK104BF56A	"Capacitor,Ceramic,Chip" C1005X7R104KET 100nF 10	ZD409	0DZ560009DA	"Diode,Zener" UDZS5.6B 5.6V 5.49TO5.7
C7028	0CK103CK56A	"Capacitor,Ceramic,Chip" 0603B103K500CT 10nF 10%	ZD415	0DZ360009EB	"Diode,Zener" UDZS3.6B 3.6V 3.6TO3.84
C7029	0CK104CK56A	"Capacitor,Ceramic,Chip" 0603B104K500CT 100nF 10	ZD416	0DZ560009DA	"Diode,Zener" UDZS5.6B 5.6V 5.49TO5.7
C704	0CK471BK56A	"Capacitor,Ceramic,Chip" C1005X7R1H471KT 470pF 1	ZD417	0DZ560009DA	"Diode,Zener" UDZS5.6B 5.6V 5.49TO5.7
C705	0CK471BK56A	"Capacitor,Ceramic,Chip" C1005X7R1H471KT 470pF 1	ZD418	0DZ560009DA	"Diode,Zener" UDZS5.6B 5.6V 5.49TO5.7
C706	0CK471BK56A	"Capacitor,Ceramic,Chip" C1005X7R1H471KT 470pF 1			
C707	0CK471BK56A	"Capacitor,Ceramic,Chip" C1005X7R1H471KT 470pF 1			

LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
ZD419	0DZ560009DA	"Diode,Zener" UDZS5.6B 5.6V 5.49TO5.7	COILS & FILTERS & INDUCTORS		
ZD501	0DZ560009DA	"Diode,Zener" UDZS5.6B 5.6V 5.49TO5.7	F3	EAM36140902	"Filter,AC Line" IF-N06AEWL2 1.3mH 250VA
ZD502	0DZRM00248A	"Diode,Zener" RLZ8.2B 8.2V 7.78TO8.19	B101	0LCML00003B	"Filter,Bead" MLB-201209-0120P-N2 120
ZD700	0DZ360009EB	"Diode,Zener" UDZS3.6B 3.6V 3.6TO3.84	B102	0LCML00003B	"Filter,Bead" MLB-201209-0120P-N2 120
ZD705	0DZ360009EB	"Diode,Zener" UDZS3.6B 3.6V 3.6TO3.84	B103	0LCML00003B	"Filter,Bead" MLB-201209-0120P-N2 120
ZD710	0DZ560009DA	"Diode,Zener" UDZS5.6B 5.6V 5.49TO5.7	L101	6210TCE001G	"Filter,Bead" HH-1M3216-501JT 500OHM
ZD711	0DZ360009EB	"Diode,Zener" UDZS3.6B 3.6V 3.6TO3.84	L101	EAM32500502	"Filter,Bead" BLM18AG151SN1D 150ohm 2
ZD712	0DZ360009EB	"Diode,Zener" UDZS3.6B 3.6V 3.6TO3.84	L102	6210TCE001G	"Filter,Bead" HH-1M3216-501JT 500OHM
ICs			L200	EAM32500503	"Filter,Bead" BLM18AG221SN1D 220ohm 2
IC402	0IPRP00696C	"IC,A/D Converter" MST3361M-LF-170 3.3V_2.	L201	EAM32500503	"Filter,Bead" BLM18AG221SN1D 220ohm 2
IC403	EAN32724701	"IC,Analog Switch" STMAV335 4.0TO5.5V 5NSE	L202	EAM32500503	"Filter,Bead" BLM18AG221SN1D 220ohm 2
IC409	EAN35942401	"IC,Analog Switch" TMD5341APFCR 3TO3.6V 10	L203	EAM32500503	"Filter,Bead" BLM18AG221SN1D 220ohm 2
IC505	EAN32404601	"IC,Audio Amplifier" NTP3000 7TO30V 5.5V 0.0	L300	6200J00005N	"Filter,Bead" HH-1M2012-121JT(H:1mm)
IC201	EAN33931901	"IC,CMOS" TC74LCX16373AFT 2V~3.6V	L301	6200J00005N	"Filter,Bead" HH-1M2012-121JT(H:1mm)
IC202	EAN33931901	"IC,CMOS" TC74LCX16373AFT 2V~3.6V	L302	EAM32500902	"Filter,Bead" BLM18SG700TN1D 70ohm 40
IC305	0ISTLPH026A	"IC,CMOS" 74LVC14APW 1.2TO3.6V 0.	L304	EAM32500502	"Filter,Bead" BLM18AG151SN1D 150ohm 2
IC604	0ICTMLG019A	"IC,Data Controller" LGDT3303 3TO5 25m 16M T	L305	EAM32500502	"Filter,Bead" BLM18AG151SN1D 150ohm 2
IC712	EAN32013101	"IC,DC,DC Converter" MIC2505-2YM 2.7V TO 7.5	L306	EAM32500502	"Filter,Bead" BLM18AG151SN1D 150ohm 2
IC200	EAN33624401	"IC,DDR2 SDRAM" HYB18TC512160BF-3S 512M	L307	EAM32500502	"Filter,Bead" BLM18AG151SN1D 150ohm 2
IC203	EAN33624401	"IC,DDR2 SDRAM" HYB18TC512160BF-3S 512M	L308	EAM32500502	"Filter,Bead" BLM18AG151SN1D 150ohm 2
IC206	EAN33624401	"IC,DDR2 SDRAM" HYB18TC512160BF-3S 512M	L309	EAM32500502	"Filter,Bead" BLM18AG151SN1D 150ohm 2
IC208	EAN33624401	"IC,DDR2 SDRAM" HYB18TC512160BF-3S 512M	L310	EAM32500502	"Filter,Bead" BLM18AG151SN1D 150ohm 2
IC207	0IMCRAL021A	"IC,EEPROM" AT24C512W-10SU-2.7 512K	L311	EAM32500203	"Filter,Bead" BLM18PG121SN1D 120ohm 2
IC310	0IMCRAL006A	"IC,EEPROM" AT24C16AN-10SU-2.7 16KB	L312	EAM32500502	"Filter,Bead" BLM18AG151SN1D 150ohm 2
IC404	0IMMRCS012B	"IC,EEPROM" CAT24WC08W-T(MST3000) 8	L313	EAM32500502	"Filter,Bead" BLM18AG151SN1D 150ohm 2
IC405	0IMMRAL014D	"IC,EEPROM" AT24C02BN-10SU-1.8 2KBI	L315	EAM32500502	"Filter,Bead" BLM18AG151SN1D 150ohm 2
IC405	0IMMRAL014D	"IC,EEPROM" AT24C02BN-10SU-1.8 2KBI	L316	6210TCE001G	"Filter,Bead" HH-1M3216-501JT 500OHM
IC406	0IMMRAL014D	"IC,EEPROM" AT24C02BN-10SU-1.8 2KBI	L320	EAM32500902	"Filter,Bead" BLM18SG700TN1D 70ohm 40
IC407	0IMMRAL014D	"IC,EEPROM" AT24C02BN-10SU-1.8 2KBI	L321	EAM32500502	"Filter,Bead" BLM18AG151SN1D 150ohm 2
IC408	0IMMRAL014D	"IC,EEPROM" AT24C02BN-10SU-1.8 2KBI	L400	6200J00005N	"Filter,Bead" HH-1M2012-121JT(H:1mm)
IC301	0IMCRSJ001B	"IC,LDO Voltage Regulator" SC1565IST-2.5TR 2.2TO5V	L401	6200J00005N	"Filter,Bead" HH-1M2012-121JT(H:1mm)
IC302	0IPMG00049A	"IC,LDO Voltage Regulator" AZ1117H-1.8TR/E1[H13A]	L402	6200J00005N	"Filter,Bead" HH-1M2012-121JT(H:1mm)
IC303	0IPMG00049A	"IC,LDO Voltage Regulator" AZ1117H-1.8TR/E1[H13A]	L403	6200J00005N	"Filter,Bead" HH-1M2012-121JT(H:1mm)
IC308	0IPMGA0010A	"IC,LDO Voltage Regulator" AZ1117H-3.3 4.75TO10V 3	L404	6200J00005N	"Filter,Bead" HH-1M2012-121JT(H:1mm)
IC400	0IMCRSJ001B	"IC,LDO Voltage Regulator" SC1565IST-2.5TR 2.2TO5V	L405	6200J00005N	"Filter,Bead" HH-1M2012-121JT(H:1mm)
IC401	0IPMGA0010A	"IC,LDO Voltage Regulator" AZ1117H-3.3 4.75TO10V 3	L406	6200J00005N	"Filter,Bead" HH-1M2012-121JT(H:1mm)
IC507	0IPMG00049A	"IC,LDO Voltage Regulator" AZ1117H-1.8TR/E1[H13A]	L407	6200J00005N	"Filter,Bead" HH-1M2012-121JT(H:1mm)
IC600	0IPMGKE030A	"IC,LDO Voltage Regulator" KIA78R05F 6TO12V 5V 8W	L408	6200J00005N	"Filter,Bead" HH-1M2012-121JT(H:1mm)
IC603	0IPMGA0010A	"IC,LDO Voltage Regulator" AZ1117H-3.3 4.75TO10V 3	L504	6200J00005N	"Filter,Bead" HH-1M2012-121JT(H:1mm)
IC605	0IPMG00049A	"IC,LDO Voltage Regulator" AZ1117H-1.8TR/E1[H13A]	L505	6200J00005N	"Filter,Bead" HH-1M2012-121JT(H:1mm)
IC704	0IPMGKE030A	"IC,LDO Voltage Regulator" KIA78R05F 6TO12V 5V 8W	L508	6200J00005N	"Filter,Bead" HH-1M2012-121JT(H:1mm)
IC711	0IPMGKE030A	"IC,LDO Voltage Regulator" KIA78R05F 6TO12V 5V 8W	L515	6200J00005N	"Filter,Bead" HH-1M2012-121JT(H:1mm)
IC304	EAN33573001	"IC,PWM Controller" SC2621ASTRT 18V 0.5V~17	L516	6200J00005N	"Filter,Bead" HH-1M2012-121JT(H:1mm)
IC501	0IPRPCI017A	"IC,Receiver" CS8416-CZZR 3.13VTO3.46	L517	6200J00005N	"Filter,Bead" HH-1M2012-121JT(H:1mm)
IC508	0IMCRMN028C	"IC,Sound/Audio Processor" MSP4450K-QA-D6 7.6TO8.7	L518	6200J00005N	"Filter,Bead" HH-1M2012-121JT(H:1mm)
IC306	0IPRP00009A	"IC,Tx/Rx" ICL3232CBNZ 3VTO5.5V -	L600	6200J00005N	"Filter,Bead" HH-1M2012-121JT(H:1mm)
IC601	EAN32174001	"IC,Tx/Rx" THC63LVD1023 3.0VTO3.6V	L601	6200J00005N	"Filter,Bead" HH-1M2012-121JT(H:1mm)
IC101	EAN32808701	"IC,Video Processors" "XILLEON260 500MVTO2.1V,"	L602	6200J00005N	"Filter,Bead" HH-1M2012-121JT(H:1mm)
IC300	0IKE702900G	"IC,Voltage Detector" KIA7029AF -0.3TO15V 2.9	L604	6200J00005N	"Filter,Bead" HH-1M2012-121JT(H:1mm)
IC307	0IKE702900G	"IC,Voltage Detector" KIA7029AF -0.3TO15V 2.9	L605	6200J00005N	"Filter,Bead" HH-1M2012-121JT(H:1mm)
IC602	0IPMGSH019A	"IC,Voltage Regulator" PQ018EZ02ZPH(PB-FREE) 2	L606	6200J00005N	"Filter,Bead" HH-1M2012-121JT(H:1mm)
IC605	0IPMGSH019A	"IC,Voltage Regulator" PQ018EZ02ZPH(PB-FREE) 2	L607	6200J00005N	"Filter,Bead" HH-1M2012-121JT(H:1mm)
IC700	EAN32662801	"IC,Voltage Regulator" KA7809ERTM 35V to 40V 9	L608	0LCML00003B	"Filter,Bead" MLB-201209-0120P-N2 120
			L609	0LCML00003B	"Filter,Bead" MLB-201209-0120P-N2 120

LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
L610	0LCML00003B	"Filter,Bead" MLB-201209-0120P-N2 120	L624	0LCML00020B	"Inductor,Multilayer,Chip" MLI-201209-6R8K 6.8UH 1
L611	0LCML00003B	"Filter,Bead" MLB-201209-0120P-N2 120	L700	0LC2220101A	"Inductor,Multilayer,Chip" FI-B2012-222KJT 2.2UH 1
L612	6200J00005N	"Filter,Bead" HH-1M2012-121JT(H:1mm)	L701	0LC2220101A	"Inductor,Multilayer,Chip" FI-B2012-222KJT 2.2UH 1
L619	6200J00005N	"Filter,Bead" HH-1M2012-121JT(H:1mm)	L702	0LC2220101A	"Inductor,Multilayer,Chip" FI-B2012-222KJT 2.2UH 1
L622	6200J00005N	"Filter,Bead" HH-1M2012-121JT(H:1mm)	L703	0LC2220101A	"Inductor,Multilayer,Chip" FI-B2012-222KJT 2.2UH 1
L623	6200J00005N	"Filter,Bead" HH-1M2012-121JT(H:1mm)	L708	0LC2220101A	"Inductor,Multilayer,Chip" FI-B2012-222KJT 2.2UH 1
L706	6200J00005N	"Filter,Bead" HH-1M2012-121JT(H:1mm)	L709	0LC2220101A	"Inductor,Multilayer,Chip" FI-B2012-222KJT 2.2UH 1
L712	6200J00005N	"Filter,Bead" HH-1M2012-121JT(H:1mm)	R103	0LC2232101A	"Inductor,Multilayer,Chip" FI-D3216-223KJT 22UH 10
L713	6200J00005N	"Filter,Bead" HH-1M2012-121JT(H:1mm)	L100	EAP32632801	"Inductor,Wire Wound,Chip" 0805CS-391XJLC 390NH
L716	6200J00005N	"Filter,Bead" HH-1M2012-121JT(H:1mm)	L314	EAP32842801	"Inductor,Wire Wound,Chip" NR8040T2R0M 2UH 20%
L720	6200J00005N	"Filter,Bead" HH-1M2012-121JT(H:1mm)	L510	EAP32842805	"Inductor,Wire Wound,Chip" NR8040T150M 15UH 20%
L723	6210TCE001X	"Filter,Bead" HU-1H4532-121JT 120OHM	L511	EAP32842805	"Inductor,Wire Wound,Chip" NR8040T150M 15UH 20%
L724	6210TCE001X	"Filter,Bead" HU-1H4532-121JT 120OHM	L512	EAP32842805	"Inductor,Wire Wound,Chip" NR8040T150M 15UH 20%
L725	6210TCE001X	"Filter,Bead" HU-1H4532-121JT 120OHM	L513	EAP32842805	"Inductor,Wire Wound,Chip" NR8040T150M 15UH 20%
L726	6210TCE001X	"Filter,Bead" HU-1H4532-121JT 120OHM	TRANSISTORS & FETs		
L727	6210TCE001X	"Filter,Bead" HU-1H4532-121JT 120OHM	Q300	EBK32756101	FET Si4800BDY N-CHANNEL MOS
L728	6210TCE001X	"Filter,Bead" HU-1H4532-121JT 120OHM	Q301	EBK32756101	FET Si4800BDY N-CHANNEL MOS
L755	6200J00005N	"Filter,Bead" HH-1M2012-121JT(H:1mm)	Q315	EBK32756101	FET Si4800BDY N-CHANNEL MOS
F1	6210VH0004B	"Filter,Ferrite Core" ZCAT1518-0730-M- K 65OH	Q316	0TFDI80001B	FET 2N7002(F) N-CHANNEL DMO
F2	6210VH0004B	"Filter,Ferrite Core" ZCAT1518-0730-M- K 65OH	Q317	0TFDI80001B	FET 2N7002(F) N-CHANNEL DMO
L705	EAM33010401	"Filter,LCR" MEM2012P25R0 EMI 25MHZ	Q318	0TFDI80001B	FET 2N7002(F) N-CHANNEL DMO
L707	EAM33010401	"Filter,LCR" MEM2012P25R0 EMI 25MHZ	Q319	0TFDI80001B	FET 2N7002(F) N-CHANNEL DMO
L729	EAM33010401	"Filter,LCR" MEM2012P25R0 EMI 25MHZ	Q407	0TFDI80001B	FET 2N7002(F) N-CHANNEL DMO
L729	EAM37574201	"Filter,LCR" LC-2012-250JT LPF(EMI)	Q503	0TFDI80001B	FET 2N7002(F) N-CHANNEL DMO
L730	EAM33010401	"Filter,LCR" MEM2012P25R0 EMI 25MHZ	Q504	0TFDI80001B	FET 2N7002(F) N-CHANNEL DMO
L730	EAM37574201	"Filter,LCR" LC-2012-250JT LPF(EMI)	Q514	0TFDI80001B	FET 2N7002(F) N-CHANNEL DMO
L731	EAM33010401	"Filter,LCR" MEM2012P25R0 EMI 25MHZ	Q515	0TFDI80001B	FET 2N7002(F) N-CHANNEL DMO
L731	EAM37574201	"Filter,LCR" LC-2012-250JT LPF(EMI)	Q516	0TFDI80001B	FET 2N7002(F) N-CHANNEL DMO
L732	EAM33010401	"Filter,LCR" MEM2012P25R0 EMI 25MHZ	Q602	0TFDI80001B	FET 2N7002(F) N-CHANNEL DMO
L732	EAM37574201	"Filter,LCR" LC-2012-250JT LPF(EMI)	Q602	0TFDI80001B	FET 2N7002(F) N-CHANNEL DMO
L741	EAM33010401	"Filter,LCR" MEM2012P25R0 EMI 25MHZ	Q603	0TFDI80001B	FET 2N7002(F) N-CHANNEL DMO
L741	EAM37574201	"Filter,LCR" LC-2012-250JT LPF(EMI)	Q603	0TFDI80001B	FET 2N7002(F) N-CHANNEL DMO
L742	EAM33010401	"Filter,LCR" MEM2012P25R0 EMI 25MHZ	Q606	EBK32753101	FET SI4925BDY P-CHANNEL MOS
L742	EAM37574201	"Filter,LCR" LC-2012-250JT LPF(EMI)	Q702	0TFVI80067A	FET SI3865BDV(E3) N-CHANNEL
L743	EAM33010401	"Filter,LCR" MEM2012P25R0 EMI 25MHZ	Q101	0TRIY80001A	"TR,Bipolar" 2SC3052 NPN 6V 50V 50V
L743	EAM37574201	"Filter,LCR" LC-2012-250JT LPF(EMI)	Q102	0TRIY80001A	"TR,Bipolar" 2SC3052 NPN 6V 50V 50V
L744	EAM33010401	"Filter,LCR" MEM2012P25R0 EMI 25MHZ	Q302	0TR387500AA	"TR,Bipolar" 2SC3875S(ALY) NPN 5V 60
L744	EAM37574201	"Filter,LCR" LC-2012-250JT LPF(EMI)	Q400	0TR387500AA	"TR,Bipolar" 2SC3875S(ALY) NPN 5V 60
L745	EAM33010401	"Filter,LCR" MEM2012P25R0 EMI 25MHZ	Q401	0TR104009AF	"TR,Bipolar" KRC104S NPN 40V 0V 50V
L745	EAM37574201	"Filter,LCR" LC-2012-250JT LPF(EMI)	Q402	0TR104009AF	"TR,Bipolar" KRC104S NPN 40V 0V 50V
L746	EAM33010401	"Filter,LCR" MEM2012P25R0 EMI 25MHZ	Q403	0TR387500AA	"TR,Bipolar" 2SC3875S(ALY) NPN 5V 60
L746	EAM37574201	"Filter,LCR" LC-2012-250JT LPF(EMI)	Q404	0TR387500AA	"TR,Bipolar" 2SC3875S(ALY) NPN 5V 60
L747	EAM33010401	"Filter,LCR" MEM2012P25R0 EMI 25MHZ	Q405	0TR104009AF	"TR,Bipolar" KRC104S NPN 40V 0V 50V
L747	EAM37574201	"Filter,LCR" LC-2012-250JT LPF(EMI)	Q406	0TR104009AF	"TR,Bipolar" KRC104S NPN 40V 0V 50V
L748	EAM37276902	"Filter,LCR" LCF20P101-TM LPF(EMI) 1	Q409	0TR104009AF	"TR,Bipolar" KRC104S NPN 40V 0V 50V
L749	EAM37276902	"Filter,LCR" LCF20P101-TM LPF(EMI) 1	Q410	0TR104009AF	"TR,Bipolar" KRC104S NPN 40V 0V 50V
L750	EAM37276902	"Filter,LCR" LCF20P101-TM LPF(EMI) 1	Q411	0TR387500AA	"TR,Bipolar" 2SC3875S(ALY) NPN 5V 60
L751	EAM37276902	"Filter,LCR" LCF20P101-TM LPF(EMI) 1	Q500	0TR387500AA	"TR,Bipolar" 2SC3875S(ALY) NPN 5V 60
L752	EAM37276902	"Filter,LCR" LCF20P101-TM LPF(EMI) 1	Q501	0TR387500AA	"TR,Bipolar" 2SC3875S(ALY) NPN 5V 60
L753	EAM37276902	"Filter,LCR" LCF20P101-TM LPF(EMI) 1	Q505	0TR387500AA	"TR,Bipolar" 2SC3875S(ALY) NPN 5V 60
L501	0LCML00020B	"Inductor,Multilayer,Chip" MLI-201209-6R8K 6.8UH 1	Q506	0TR387500AA	"TR,Bipolar" 2SC3875S(ALY) NPN 5V 60
L508	0LCML00020B	"Inductor,Multilayer,Chip" MLI-201209-6R8K 6.8UH 1	Q508	0TR150400BA	"TR,Bipolar" 2SA1504S(ASY) PNP -5V -
L520	0LC2232101A	"Inductor,Multilayer,Chip" FI-D3216-223KJT 22UH 10	Q510	0TR150400BA	"TR,Bipolar" 2SA1504S(ASY) PNP -5V -
L521	0LC2232101A	"Inductor,Multilayer,Chip" FI-D3216-223KJT 22UH 10			
L522	0LC2232101A	"Inductor,Multilayer,Chip" FI-D3216-223KJT 22UH 10			

LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
Q511	0TR387500AA	"TR,Bipolar" 2SC3875S(ALY) NPN 5V 60	R1022	0RJ0000C678	"Resistor,Chip" MCR01MZPJ000 0OHM 5% 1/
Q512	0TR387500AA	"TR,Bipolar" 2SC3875S(ALY) NPN 5V 60	R1023	0RJ0000C678	"Resistor,Chip" MCR01MZPJ000 0OHM 5% 1/
Q513	0TR102009AM	"TR,Bipolar" KRA102S PNP -30V 0V -50	R1026	0RJ0000C678	"Resistor,Chip" MCR01MZPJ000 0OHM 5% 1/
Q600	0TR387500AA	"TR,Bipolar" 2SC3875S(ALY) NPN 5V 60	R1028	0RJ0000C678	"Resistor,Chip" MCR01MZPJ000 0OHM 5% 1/
Q601	0TR150400BA	"TR,Bipolar" 2SA1504S(ASY) PNP -5V -	R103	0RH2701D622	"Resistor,Chip" MCR10EZHJ272 2.7KOHM 5%
Q605	0TR387500AA	"TR,Bipolar" 2SC3875S(ALY) NPN 5V 60	R103	0RJ4701C678	"Resistor,Chip" MCR01MZPJ472 4.7KOHM 5%
Q611	0TR387500AA	"TR,Bipolar" 2SC3875S(ALY) NPN 5V 60	R1032	0RJ4701C678	"Resistor,Chip" MCR01MZPJ472 4.7KOHM 5%
RESISTORS			R1034	0RJ4701C678	"Resistor,Chip" MCR01MZPJ472 4.7KOHM 5%
AR100	EBC32260901	"Resistor,Array" MNR04M0APJ102 1KOHM 5%	R1036	0RJ4701C678	"Resistor,Chip" MCR01MZPJ472 4.7KOHM 5%
AR200	EBC33751901	"Resistor,Array" MNR14M0ABJ180 18OHM 5%	R104	0RH9100D622	"Resistor,Chip" MCR10EZHJ911 910OHM 5%
AR201	EBC33751901	"Resistor,Array" MNR14M0ABJ180 18OHM 5%	R104	0RJ4701C678	"Resistor,Chip" MCR01MZPJ472 4.7KOHM 5%
AR202	EBC33751901	"Resistor,Array" MNR14M0ABJ180 18OHM 5%	R105	0RH2702D622	"Resistor,Chip" MCR10EZHJ273 27KOHM 5%
AR203	EBC33751901	"Resistor,Array" MNR14M0ABJ180 18OHM 5%	R106	0RH8201D622	"Resistor,Chip" MCR10EZHJ822 8.2KOHM 5%
AR204	EBC33751901	"Resistor,Array" MNR14M0ABJ180 18OHM 5%	R107	0RH2701D622	"Resistor,Chip" MCR10EZHJ272 2.7KOHM 5%
AR205	EBC33751901	"Resistor,Array" MNR14M0ABJ180 18OHM 5%	R108	0RH0000D622	"Resistor,Chip" MCR10EZHJ000 0OHM 5% 1/
AR206	EBC33751901	"Resistor,Array" MNR14M0ABJ180 18OHM 5%	R108	0RH9100D622	"Resistor,Chip" MCR10EZHJ911 910OHM 5%
AR207	EBC33751901	"Resistor,Array" MNR14M0ABJ180 18OHM 5%	R109	0RH0000D622	"Resistor,Chip" MCR10EZHJ000 0OHM 5% 1/
AR208	EBC33751901	"Resistor,Array" MNR14M0ABJ180 18OHM 5%	R109	0RH0000D622	"Resistor,Chip" MCR10EZHJ000 0OHM 5% 1/
AR209	EBC33751901	"Resistor,Array" MNR14M0ABJ180 18OHM 5%	R109	0RJ0000D677	"Resistor,Chip" MCR03EJPJ000 0OHM 5% 1/
AR210	EBC33751901	"Resistor,Array" MNR14M0ABJ180 18OHM 5%	R110	0RH0000D622	"Resistor,Chip" MCR10EZHJ000 0OHM 5% 1/
AR211	EBC33751901	"Resistor,Array" MNR14M0ABJ180 18OHM 5%	R110	0RH0000D622	"Resistor,Chip" MCR10EZHJ000 0OHM 5% 1/
AR212	EBC33751901	"Resistor,Array" MNR14M0ABJ180 18OHM 5%	R110	0RJ0000D677	"Resistor,Chip" MCR03EJPJ000 0OHM 5% 1/
AR213	EBC33751901	"Resistor,Array" MNR14M0ABJ180 18OHM 5%	R111	0RH0000D622	"Resistor,Chip" MCR10EZHJ000 0OHM 5% 1/
AR214	EBC33751901	"Resistor,Array" MNR14M0ABJ180 18OHM 5%	R111	0RJ0000C678	"Resistor,Chip" MCR01MZPJ000 0OHM 5% 1/
AR215	EBC33751901	"Resistor,Array" MNR14M0ABJ180 18OHM 5%	R112	0RH0000D622	"Resistor,Chip" MCR10EZHJ000 0OHM 5% 1/
AR431	EBC32260601	"Resistor,Array" MNR04M0APJ101 100OHM 5%	R112	0RJ0000C678	"Resistor,Chip" MCR01MZPJ000 0OHM 5% 1/
AR432	EBC32260601	"Resistor,Array" MNR04M0APJ101 100OHM 5%	R113	0RJ0000C678	"Resistor,Chip" MCR01MZPJ000 0OHM 5% 1/
AR452	EBC32260601	"Resistor,Array" MNR04M0APJ101 100OHM 5%	R114	0RJ1002C678	"Resistor,Chip" MCR01MZPJ103 10KOHM 5%
AR453	EBC32260601	"Resistor,Array" MNR04M0APJ101 100OHM 5%	R115	0RH0000D622	"Resistor,Chip" MCR10EZHJ000 0OHM 5% 1/
AR470	EBC32260601	"Resistor,Array" MNR04M0APJ101 100OHM 5%	R116	0RJ1002C678	"Resistor,Chip" MCR01MZPJ103 10KOHM 5%
AR471	EBC32260601	"Resistor,Array" MNR04M0APJ101 100OHM 5%	R117	0RH0000D622	"Resistor,Chip" MCR10EZHJ000 0OHM 5% 1/
AR600	EBC32260501	"Resistor,Array" MNR04M0APJ000 0OHM 5% 1	R117	0RJ1002C678	"Resistor,Chip" MCR01MZPJ103 10KOHM 5%
AR601	EBC32260501	"Resistor,Array" MNR04M0APJ000 0OHM 5% 1	R118	0RJ1002C678	"Resistor,Chip" MCR01MZPJ103 10KOHM 5%
AR602	EBC32260501	"Resistor,Array" MNR04M0APJ000 0OHM 5% 1	R119	0RJ1002C678	"Resistor,Chip" MCR01MZPJ103 10KOHM 5%
AR603	EBC32260501	"Resistor,Array" MNR04M0APJ000 0OHM 5% 1	R126	0RJ0222C678	"Resistor,Chip" MCR01MZPJ220 22OHM 5% 1
AR604	EBC32260501	"Resistor,Array" MNR04M0APJ000 0OHM 5% 1	R127	0RJ1002C678	"Resistor,Chip" MCR01MZPJ103 10KOHM 5%
AR605	EBC32260501	"Resistor,Array" MNR04M0APJ000 0OHM 5% 1	R129	0RJ0182C478	"Resistor,Chip" MCR01MZPF180 18OHM 1% 1
AR651	0RJ0222C687	"Resistor,Array" RCA86TRJ22R0 22OHM 5% 1	R130	0RJ0182C478	"Resistor,Chip" MCR01MZPF180 18OHM 1% 1
AR656	0RJ0222C687	"Resistor,Array" RCA86TRJ22R0 22OHM 5% 1	R131	0RJ1002C678	"Resistor,Chip" MCR01MZPJ103 10KOHM 5%
AR657	0RJ0222C687	"Resistor,Array" RCA86TRJ22R0 22OHM 5% 1	R132	0RJ0332C678	"Resistor,Chip" MCR01MZPJ330 33OHM 5% 1
R101	0RH0000D622	"Resistor,Chip" MCR10EZHJ000 0OHM 5% 1/	R133	0RJ1001E478	"Resistor,Chip" MCR01MZPF102 1KOHM 1% 1
R101	0RH1002D622	"Resistor,Chip" MCR10EZHJ103 10KOHM 5%	R134	0RJ1001E478	"Resistor,Chip" MCR01MZPF102 1KOHM 1% 1
R101	0RH2702D622	"Resistor,Chip" MCR10EZHJ273 27KOHM 5%	R135	0RJ4701C678	"Resistor,Chip" MCR01MZPJ472 4.7KOHM 5%
R1013	0RJ0000C678	"Resistor,Chip" MCR01MZPJ000 0OHM 5% 1/	R136	0RJ1001E478	"Resistor,Chip" MCR01MZPF102 1KOHM 1% 1
R1014	0RJ0000C678	"Resistor,Chip" MCR01MZPJ000 0OHM 5% 1/	R137	0RJ1001E478	"Resistor,Chip" MCR01MZPF102 1KOHM 1% 1
R1015	0RJ0000C678	"Resistor,Chip" MCR01MZPJ000 0OHM 5% 1/	R139	0RJ1001C678	"Resistor,Chip" MCR01MZPJ102 1KOHM 5% 1
R1016	0RJ0000C678	"Resistor,Chip" MCR01MZPJ000 0OHM 5% 1/	R140	0RJ1001C678	"Resistor,Chip" MCR01MZPJ102 1KOHM 5% 1
R1017	0RJ0000C678	"Resistor,Chip" MCR01MZPJ000 0OHM 5% 1/	R142	0RJ1003C678	"Resistor,Chip" MCR01MZPJ104 100KOHM 5%
R1018	0RJ0000C678	"Resistor,Chip" MCR01MZPJ000 0OHM 5% 1/	R143	0RJ0000C678	"Resistor,Chip" MCR01MZPJ000 0OHM 5% 1/
R1019	0RJ0000C678	"Resistor,Chip" MCR01MZPJ000 0OHM 5% 1/	R148	EBC33834501	"Resistor,Chip" MCR03EJP5FX40R2 40.2OHM
R102	0RH0000D622	"Resistor,Chip" MCR10EZHJ000 0OHM 5% 1/	R149	0RJ0471C678	"Resistor,Chip" MCR01MZPJ4R7 4.7OHM 5%
R102	0RH1002D622	"Resistor,Chip" MCR10EZHJ103 10KOHM 5%	R150	0RJ1001C678	"Resistor,Chip" MCR01MZPJ102 1KOHM 5% 1
R102	0RH8201D622	"Resistor,Chip" MCR10EZHJ822 8.2KOHM 5%	R151	0RJ1001C678	"Resistor,Chip" MCR01MZPJ102 1KOHM 5% 1
R1021	0RJ0000C678	"Resistor,Chip" MCR01MZPJ000 0OHM 5% 1/	R153	0RJ0222C678	"Resistor,Chip" MCR01MZPJ220 22OHM 5% 1
			R154	0RJ0222C678	"Resistor,Chip" MCR01MZPJ220 22OHM 5% 1

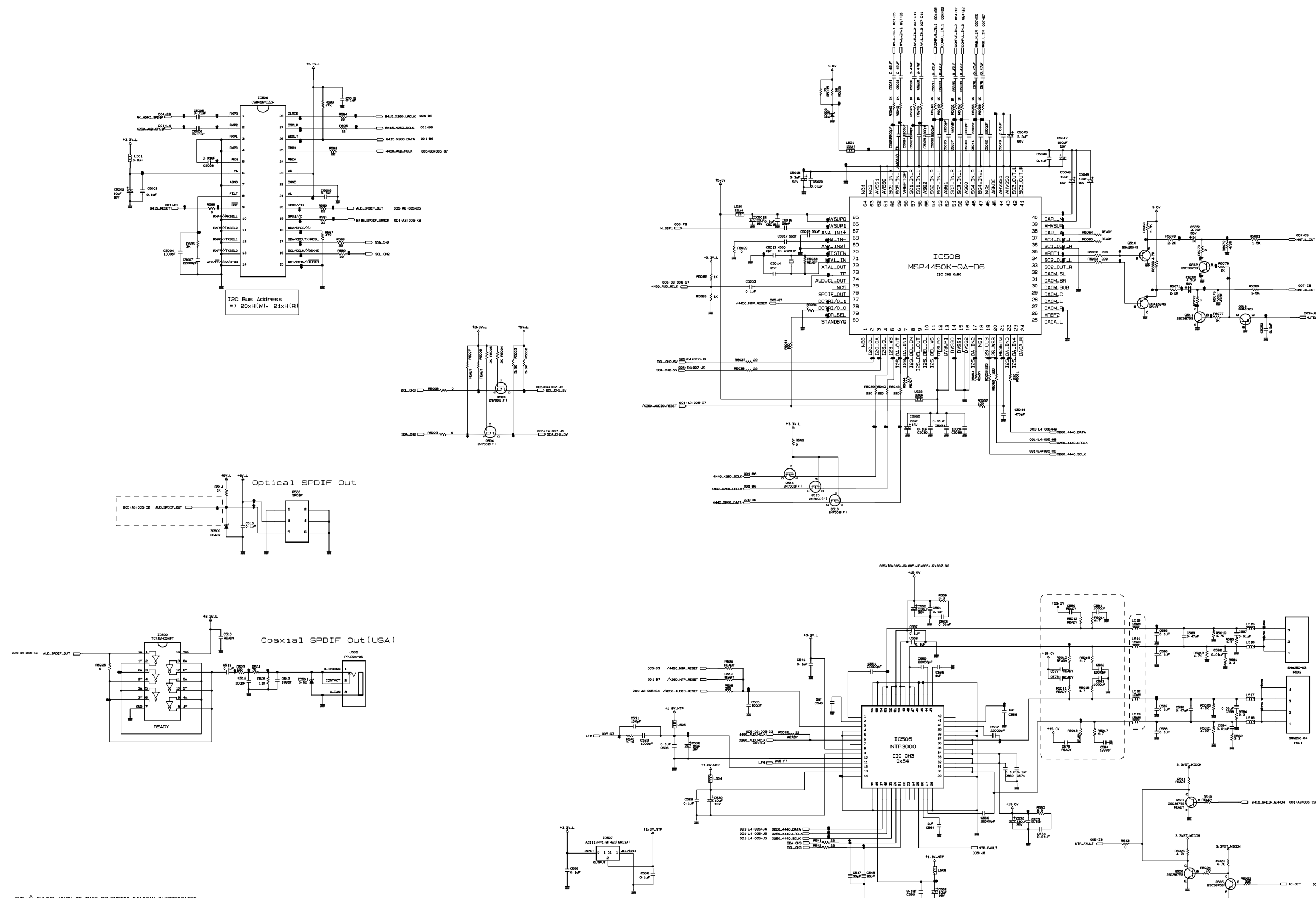
LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
R155	0RJ0222C678	"Resistor,Chip" MCR01MZPJ220 22OHM 5% 1	R247	0RJ0182C478	"Resistor,Chip" MCR01MZPF180 18OHM 1% 1
R156	0RJ0222C678	"Resistor,Chip" MCR01MZPJ220 22OHM 5% 1	R248	0RJ0182C478	"Resistor,Chip" MCR01MZPF180 18OHM 1% 1
R160	0RJ0222C678	"Resistor,Chip" MCR01MZPJ220 22OHM 5% 1	R249	0RJ4701C678	"Resistor,Chip" MCR01MZPJ472 4.7KOHM 5%
R161	0RJ0222C678	"Resistor,Chip" MCR01MZPJ220 22OHM 5% 1	R250	0RJ4701C678	"Resistor,Chip" MCR01MZPJ472 4.7KOHM 5%
R163	EBC33834701	"Resistor,Chip" MCR03EZP5FX7150 715OHM	R251	0RJ4701C678	"Resistor,Chip" MCR01MZPJ472 4.7KOHM 5%
R164	EBC33834701	"Resistor,Chip" MCR03EZP5FX7150 715OHM	R256	0RJ0222C678	"Resistor,Chip" MCR01MZPJ220 22OHM 5% 1
R165	0RJ0332C678	"Resistor,Chip" MCR01MZPJ330 33OHM 5% 1	R257	0RJ0222C678	"Resistor,Chip" MCR01MZPJ220 22OHM 5% 1
R166	0RJ0332C678	"Resistor,Chip" MCR01MZPJ330 33OHM 5% 1	R300	0RJ3300C678	"Resistor,Chip" MCR01MZPJ331 330OHM 5%
R167	0RJ0332C678	"Resistor,Chip" MCR01MZPJ330 33OHM 5% 1	R3000	0RJ1000C678	"Resistor,Chip" MCR01MZPJ101 100OHM 5%
R168	0RJ1002C678	"Resistor,Chip" MCR01MZPJ103 10KOHM 5%	R3001	0RJ0000C678	"Resistor,Chip" MCR01MZPJ000 0OHM 5% 1/
R169	0RJ1002C678	"Resistor,Chip" MCR01MZPJ103 10KOHM 5%	R3002	0RJ0000C678	"Resistor,Chip" MCR01MZPJ000 0OHM 5% 1/
R170	0RJ0000C678	"Resistor,Chip" MCR01MZPJ000 0OHM 5% 1/	R3003	0RJ0000C678	"Resistor,Chip" MCR01MZPJ000 0OHM 5% 1/
R170	0RJ0222C678	"Resistor,Chip" MCR01MZPJ220 22OHM 5% 1	R301	0RJ1502C478	"Resistor,Chip" MCR01MZPF153 15KOHM 1%
R171	0RJ0000C678	"Resistor,Chip" MCR01MZPJ000 0OHM 5% 1/	R3014	0RJ1000C678	"Resistor,Chip" MCR01MZPJ101 100OHM 5%
R175	0RJ0000C678	"Resistor,Chip" MCR01MZPJ000 0OHM 5% 1/	R3017	0RJ4701C678	"Resistor,Chip" MCR01MZPJ472 4.7KOHM 5%
R176	0RJ0000C678	"Resistor,Chip" MCR01MZPJ000 0OHM 5% 1/	R302	0RJ4302D677	"Resistor,Chip" MCR03EZPJ433 43KOHM 5%
R177	0RJ0000C678	"Resistor,Chip" MCR01MZPJ000 0OHM 5% 1/	R3022	0RJ1000C678	"Resistor,Chip" MCR01MZPJ101 100OHM 5%
R178	0RJ0000C678	"Resistor,Chip" MCR01MZPJ000 0OHM 5% 1/	R3023	0RJ4701C678	"Resistor,Chip" MCR01MZPJ472 4.7KOHM 5%
R179	0RJ0332C678	"Resistor,Chip" MCR01MZPJ330 33OHM 5% 1	R3027	0RJ6802C678	"Resistor,Chip" MCR01MZPJ683 68KOHM 5%
R180	0RJ0332C678	"Resistor,Chip" MCR01MZPJ330 33OHM 5% 1	R3028	0RJ1000C678	"Resistor,Chip" MCR01MZPJ101 100OHM 5%
R181	0RJ0332C678	"Resistor,Chip" MCR01MZPJ330 33OHM 5% 1	R303	0RJ3300C678	"Resistor,Chip" MCR01MZPJ331 330OHM 5%
R182	0RJ0332C678	"Resistor,Chip" MCR01MZPJ330 33OHM 5% 1	R3033	0RJ1000C678	"Resistor,Chip" MCR01MZPJ101 100OHM 5%
R190	0RJ1002C678	"Resistor,Chip" MCR01MZPJ103 10KOHM 5%	R3034	0RJ1000C678	"Resistor,Chip" MCR01MZPJ101 100OHM 5%
R192	0RJ3001C678	"Resistor,Chip" MCR01MZPJ302 3KOHM 5% 1	R3035	0RJ1001C678	"Resistor,Chip" MCR01MZPJ102 1KOHM 5% 1
R193	0RJ1002C678	"Resistor,Chip" MCR01MZPJ103 10KOHM 5%	R3035	0RJ4701C678	"Resistor,Chip" MCR01MZPJ472 4.7KOHM 5%
R194	0RJ1002C678	"Resistor,Chip" MCR01MZPJ103 10KOHM 5%	R304	0RJ1502C478	"Resistor,Chip" MCR01MZPF153 15KOHM 1%
R195	0RJ1002C678	"Resistor,Chip" MCR01MZPJ103 10KOHM 5%	R3041	0RJ1001C678	"Resistor,Chip" MCR01MZPJ102 1KOHM 5% 1
R196	0RJ1002C678	"Resistor,Chip" MCR01MZPJ103 10KOHM 5%	R3041	0RJ4701C678	"Resistor,Chip" MCR01MZPJ472 4.7KOHM 5%
R197	0RJ1002C678	"Resistor,Chip" MCR01MZPJ103 10KOHM 5%	R3042	0RJ3302C678	"Resistor,Chip" MCR01MZPJ333 33KOHM 5%
R198	0RJ1002C678	"Resistor,Chip" MCR01MZPJ103 10KOHM 5%	R3043	0RJ1001C678	"Resistor,Chip" MCR01MZPJ102 1KOHM 5% 1
R200	0RJ1001E478	"Resistor,Chip" MCR01MZPF102 1KOHM 1% 1	R3043	0RJ3300C678	"Resistor,Chip" MCR01MZPJ331 330OHM 5%
R201	0RJ1001E478	"Resistor,Chip" MCR01MZPF102 1KOHM 1% 1	R3045	0RJ1000C678	"Resistor,Chip" MCR01MZPJ101 100OHM 5%
R202	0RJ0182C478	"Resistor,Chip" MCR01MZPF180 18OHM 1% 1	R3048	0RJ4701C678	"Resistor,Chip" MCR01MZPJ472 4.7KOHM 5%
R203	0RJ0182C478	"Resistor,Chip" MCR01MZPF180 18OHM 1% 1	R3049	0RJ4701C678	"Resistor,Chip" MCR01MZPJ472 4.7KOHM 5%
R204	0RJ0182C478	"Resistor,Chip" MCR01MZPF180 18OHM 1% 1	R305	0RJ6801C678	"Resistor,Chip" MCR01MZPJ682 6.8KOHM 5%
R205	0RJ0182C478	"Resistor,Chip" MCR01MZPF180 18OHM 1% 1	R3050	0RJ4701C678	"Resistor,Chip" MCR01MZPJ472 4.7KOHM 5%
R215	0RJ1500C678	"Resistor,Chip" MCR01MZPJ151 150OHM 5%	R3051	0RJ4701C678	"Resistor,Chip" MCR01MZPJ472 4.7KOHM 5%
R216	0RJ1500C678	"Resistor,Chip" MCR01MZPJ151 150OHM 5%	R306	0RJ4701C678	"Resistor,Chip" MCR01MZPJ472 4.7KOHM 5%
R216	0RJ1500C678	"Resistor,Chip" MCR01MZPJ151 150OHM 5%	R3061	0RJ4701C678	"Resistor,Chip" MCR01MZPJ472 4.7KOHM 5%
R217	0RJ0182C478	"Resistor,Chip" MCR01MZPF180 18OHM 1% 1	R3062	0RJ4701C678	"Resistor,Chip" MCR01MZPJ472 4.7KOHM 5%
R218	0RJ0182C478	"Resistor,Chip" MCR01MZPF180 18OHM 1% 1	R3067	0RJ1002C678	"Resistor,Chip" MCR01MZPJ103 10KOHM 5%
R219	0RJ0182C478	"Resistor,Chip" MCR01MZPF180 18OHM 1% 1	R307	0RJ2001E472	"Resistor,Chip" MCR10EZH2F202 2KOHM 1% 1
R220	0RJ0182C478	"Resistor,Chip" MCR01MZPF180 18OHM 1% 1	R3070	0RJ4701C678	"Resistor,Chip" MCR01MZPJ472 4.7KOHM 5%
R228	0RJ0222C678	"Resistor,Chip" MCR01MZPJ220 22OHM 5% 1	R3071	0RJ4701C678	"Resistor,Chip" MCR01MZPJ472 4.7KOHM 5%
R229	0RJ1002C678	"Resistor,Chip" MCR01MZPJ103 10KOHM 5%	R3072	0RJ4701C678	"Resistor,Chip" MCR01MZPJ472 4.7KOHM 5%
R230	0RJ0222C678	"Resistor,Chip" MCR01MZPJ220 22OHM 5% 1	R3073	0RJ4701C678	"Resistor,Chip" MCR01MZPJ472 4.7KOHM 5%
R232	0RJ4701C678	"Resistor,Chip" MCR01MZPJ472 4.7KOHM 5%	R308	0RJ2702C478	"Resistor,Chip" MCR01MZPF273 27KOHM 1%
R235	0RJ0182C478	"Resistor,Chip" MCR01MZPF180 18OHM 1% 1	R309	0RJ4703C678	"Resistor,Chip" MCR01MZPJ474 470KOHM 5%
R236	0RJ0182C478	"Resistor,Chip" MCR01MZPF180 18OHM 1% 1	R310	0RJ1000C678	"Resistor,Chip" MCR01MZPJ101 100OHM 5%
R237	0RJ0182C478	"Resistor,Chip" MCR01MZPF180 18OHM 1% 1	R312	0RJ0511D677	"Resistor,Chip" MCR03EZPJ5R1 5.1OHM 5%
R238	0RJ0182C478	"Resistor,Chip" MCR01MZPF180 18OHM 1% 1	R313	0RJ4701C678	"Resistor,Chip" MCR01MZPJ472 4.7KOHM 5%
R239	0RJ4701C678	"Resistor,Chip" MCR01MZPJ472 4.7KOHM 5%	R315	0RJ0000C678	"Resistor,Chip" MCR01MZPJ000 0OHM 5% 1/
R240	0RJ0000C678	"Resistor,Chip" MCR01MZPJ000 0OHM 5% 1/	R316	0RJ0000C678	"Resistor,Chip" MCR01MZPJ000 0OHM 5% 1/
R245	0RJ0182C478	"Resistor,Chip" MCR01MZPF180 18OHM 1% 1	R319	0RJ0101C678	"Resistor,Chip" MCR01MZPJ1R0 1OHM 5% 1/
R246	0RJ0182C478	"Resistor,Chip" MCR01MZPF180 18OHM 1% 1	R320	0RJ1001E478	"Resistor,Chip" MCR01MZPF102 1KOHM 1% 1

LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
R439	0RJ1001C678	"Resistor,Chip" MCR01MZPJ102 1KOHM 5% 1	R5022	0RJ3302C678	"Resistor,Chip" MCR01MZPJ333 33KOHM 5%
R440	0RJ1001C678	"Resistor,Chip" MCR01MZPJ102 1KOHM 5% 1	R5022	0RJ6801C678	"Resistor,Chip" MCR01MZPJ682 6.8KOHM 5%
R441	0RJ0332C678	"Resistor,Chip" MCR01MZPJ330 33OHM 5% 1	R5023	0RJ4701C678	"Resistor,Chip" MCR01MZPJ472 4.7KOHM 5%
R442	0RJ0332C678	"Resistor,Chip" MCR01MZPJ330 33OHM 5% 1	R5024	0RJ0222C678	"Resistor,Chip" MCR01MZPJ220 22OHM 5% 1
R443	0RJ0332C678	"Resistor,Chip" MCR01MZPJ330 33OHM 5% 1	R5025	0RJ0000C678	"Resistor,Chip" MCR01MZPJ000 0OHM 5% 1/
R445	0RJ0332C678	"Resistor,Chip" MCR01MZPJ330 33OHM 5% 1	R5026	0RJ4701C678	"Resistor,Chip" MCR01MZPJ472 4.7KOHM 5%
R446	0RJ0332C678	"Resistor,Chip" MCR01MZPJ330 33OHM 5% 1	R5029	0RJ0000D677	"Resistor,Chip" MCR03EJPJ000 0OHM 5% 1/
R447	0RJ0332C678	"Resistor,Chip" MCR01MZPJ330 33OHM 5% 1	R5031	0RJ1000D677	"Resistor,Chip" MCR03EJPJ101 100OHM 5%
R448	0RJ0000C678	"Resistor,Chip" MCR01MZPJ000 0OHM 5% 1/	R5034	0RJ0000D677	"Resistor,Chip" MCR03EJPJ000 0OHM 5% 1/
R449	0RJ0332C478	"Resistor,Chip" MCR01MZPF330 33OHM 1% 1	R5035	0RJ0392D677	"Resistor,Chip" MCR03EJPJ390 39OHM 5% 1
R450	0RJ4701C678	"Resistor,Chip" MCR01MZPJ472 4.7KOHM 5%	R5036	0RJ0392D677	"Resistor,Chip" MCR03EJPJ390 39OHM 5% 1
R451	0RJ4701C678	"Resistor,Chip" MCR01MZPJ472 4.7KOHM 5%	R5037	0RJ0222D677	"Resistor,Chip" MCR03EJPJ220 22OHM 5% 1
R454	0RJ0222C678	"Resistor,Chip" MCR01MZPJ220 22OHM 5% 1	R5038	0RJ0222D677	"Resistor,Chip" MCR03EJPJ220 22OHM 5% 1
R455	0RJ0222C678	"Resistor,Chip" MCR01MZPJ220 22OHM 5% 1	R5039	0RJ2200D677	"Resistor,Chip" MCR03EJPJ221 220OHM 5%
R456	0RJ0332C678	"Resistor,Chip" MCR01MZPJ330 33OHM 5% 1	R5040	0RJ2200D677	"Resistor,Chip" MCR03EJPJ221 220OHM 5%
R457	0RJ0000C678	"Resistor,Chip" MCR01MZPJ000 0OHM 5% 1/	R5041	0RJ1001D677	"Resistor,Chip" MCR03EJPJ102 1KOHM 5% 1
R458	0RJ0000C678	"Resistor,Chip" MCR01MZPJ000 0OHM 5% 1/	R5042	0RJ1001D677	"Resistor,Chip" MCR03EJPJ102 1KOHM 5% 1
R459	0RJ0000C678	"Resistor,Chip" MCR01MZPJ000 0OHM 5% 1/	R5043	0RJ2200D677	"Resistor,Chip" MCR03EJPJ221 220OHM 5%
R460	0RJ1002C678	"Resistor,Chip" MCR01MZPJ103 10KOHM 5%	R5045	0RJ1001D677	"Resistor,Chip" MCR03EJPJ102 1KOHM 5% 1
R464	0RJ1001C678	"Resistor,Chip" MCR01MZPJ102 1KOHM 5% 1	R5046	0RJ1001D677	"Resistor,Chip" MCR03EJPJ102 1KOHM 5% 1
R464	0RJ4701C678	"Resistor,Chip" MCR01MZPJ472 4.7KOHM 5%	R5048	0RJ1001D677	"Resistor,Chip" MCR03EJPJ102 1KOHM 5% 1
R465	0RJ4701C678	"Resistor,Chip" MCR01MZPJ472 4.7KOHM 5%	R5049	0RJ1001D677	"Resistor,Chip" MCR03EJPJ102 1KOHM 5% 1
R467	0RJ1002C678	"Resistor,Chip" MCR01MZPJ103 10KOHM 5%	R5051	0RJ1001D677	"Resistor,Chip" MCR03EJPJ102 1KOHM 5% 1
R468	0RJ1002C678	"Resistor,Chip" MCR01MZPJ103 10KOHM 5%	R5052	0RJ1001D677	"Resistor,Chip" MCR03EJPJ102 1KOHM 5% 1
R472	0RJ1002C678	"Resistor,Chip" MCR01MZPJ103 10KOHM 5%	R5055	0RJ1001D677	"Resistor,Chip" MCR03EJPJ102 1KOHM 5% 1
R474	0RJ1001C678	"Resistor,Chip" MCR01MZPJ102 1KOHM 5% 1	R5057	0RJ1000D677	"Resistor,Chip" MCR03EJPJ101 100OHM 5%
R475	0RJ1000C678	"Resistor,Chip" MCR01MZPJ101 100OHM 5%	R5058	0RJ1001D677	"Resistor,Chip" MCR03EJPJ102 1KOHM 5% 1
R476	0RJ1000C678	"Resistor,Chip" MCR01MZPJ101 100OHM 5%	R5059	0RJ2200D677	"Resistor,Chip" MCR03EJPJ221 220OHM 5%
R477	0RJ1002C678	"Resistor,Chip" MCR01MZPJ103 10KOHM 5%	R5060	0RJ2200D677	"Resistor,Chip" MCR03EJPJ221 220OHM 5%
R478	0RJ1002C678	"Resistor,Chip" MCR01MZPJ103 10KOHM 5%	R5061	0RJ2200D677	"Resistor,Chip" MCR03EJPJ221 220OHM 5%
R481	0RJ1002C678	"Resistor,Chip" MCR01MZPJ103 10KOHM 5%	R5062	0RJ2200D677	"Resistor,Chip" MCR03EJPJ221 220OHM 5%
R485	0RJ0222C678	"Resistor,Chip" MCR01MZPJ220 22OHM 5% 1	R5063	0RJ2200D677	"Resistor,Chip" MCR03EJPJ221 220OHM 5%
R486	0RJ0222C678	"Resistor,Chip" MCR01MZPJ220 22OHM 5% 1	R5068	0RJ4701D677	"Resistor,Chip" MCR03EJPJ472 4.7KOHM 5%
R491	0RJ1002C678	"Resistor,Chip" MCR01MZPJ103 10KOHM 5%	R5069	0RJ4701D677	"Resistor,Chip" MCR03EJPJ472 4.7KOHM 5%
R492	0RJ1002C678	"Resistor,Chip" MCR01MZPJ103 10KOHM 5%	R5070	0RJ2201D677	"Resistor,Chip" MCR03EJPJ222 2.2KOHM 5%
R496	0RJ4701C678	"Resistor,Chip" MCR01MZPJ472 4.7KOHM 5%	R5071	0RJ2201D677	"Resistor,Chip" MCR03EJPJ222 2.2KOHM 5%
R497	0RJ4701C678	"Resistor,Chip" MCR01MZPJ472 4.7KOHM 5%	R5072	0RJ0000D677	"Resistor,Chip" MCR03EJPJ000 0OHM 5% 1/
R5002	0RJ5601C678	"Resistor,Chip" MCR01MZPJ562 5.6KOHM 5%	R5073	0RJ0000D677	"Resistor,Chip" MCR03EJPJ000 0OHM 5% 1/
R5003	0RJ5601C678	"Resistor,Chip" MCR01MZPJ562 5.6KOHM 5%	R5076	0RJ4703D677	"Resistor,Chip" MCR03EJPJ474 470KOHM 5%
R5004	0RJ2001C678	"Resistor,Chip" MCR01MZPJ202 2KOHM 5% 1	R5077	0RJ2001D677	"Resistor,Chip" MCR03EJPJ202 2KOHM 5% 1
R5005	0RJ2001C678	"Resistor,Chip" MCR01MZPJ202 2KOHM 5% 1	R5078	0RJ2001D677	"Resistor,Chip" MCR03EJPJ202 2KOHM 5% 1
R5008	0RJ0000C678	"Resistor,Chip" MCR01MZPJ000 0OHM 5% 1/	R5079	0RJ4703D677	"Resistor,Chip" MCR03EJPJ474 470KOHM 5%
R5009	0RJ0000C678	"Resistor,Chip" MCR01MZPJ000 0OHM 5% 1/	R508	0RJ0000C678	"Resistor,Chip" MCR01MZPJ000 0OHM 5% 1/
R5010	0RJ0471D677	"Resistor,Chip" MCR03EJPJ47 4.7OHM 5%	R5080	0RJ1501D677	"Resistor,Chip" MCR03EJPJ152 1.5KOHM 5%
R5011	0RJ0471D677	"Resistor,Chip" MCR03EJPJ47 4.7OHM 5%	R5081	0RJ1501D677	"Resistor,Chip" MCR03EJPJ152 1.5KOHM 5%
R5012	0RJ0471D677	"Resistor,Chip" MCR03EJPJ47 4.7OHM 5%	R5082	0RJ0000D677	"Resistor,Chip" MCR03EJPJ000 0OHM 5% 1/
R5013	0RJ0471D677	"Resistor,Chip" MCR03EJPJ47 4.7OHM 5%	R509	0RJ0000C678	"Resistor,Chip" MCR01MZPJ000 0OHM 5% 1/
R5014	0RJ0471D677	"Resistor,Chip" MCR03EJPJ47 4.7OHM 5%	R513	0RJ0272C678	"Resistor,Chip" MCR01MZPJ270 27OHM 5% 1
R5015	0RJ0471D677	"Resistor,Chip" MCR03EJPJ47 4.7OHM 5%	R514	0RJ1001C678	"Resistor,Chip" MCR01MZPJ102 1KOHM 5% 1
R5016	0RJ0471D677	"Resistor,Chip" MCR03EJPJ47 4.7OHM 5%	R523	0RJ1200C678	"Resistor,Chip" MCR01MZPJ121 120OHM 5%
R5017	0RJ0471D677	"Resistor,Chip" MCR03EJPJ47 4.7OHM 5%	R524	0RJ0752C678	"Resistor,Chip" MCR01MZPJ750 750OHM 5% 1
R5018	0RJ4701D677	"Resistor,Chip" MCR03EJPJ472 4.7KOHM 5%	R525	0RJ1100D677	"Resistor,Chip" MCR03EJPJ111 110OHM 5%
R5019	0RJ4701D677	"Resistor,Chip" MCR03EJPJ472 4.7KOHM 5%	R540	0RJ3301C678	"Resistor,Chip" MCR01MZPJ332 3.3KOHM 5%
R5020	0RJ4701D677	"Resistor,Chip" MCR03EJPJ472 4.7KOHM 5%	R541	0RJ0222C678	"Resistor,Chip" MCR01MZPJ220 22OHM 5% 1
R5021	0RJ4701D677	"Resistor,Chip" MCR03EJPJ472 4.7KOHM 5%	R542	0RJ0222C678	"Resistor,Chip" MCR01MZPJ220 22OHM 5% 1

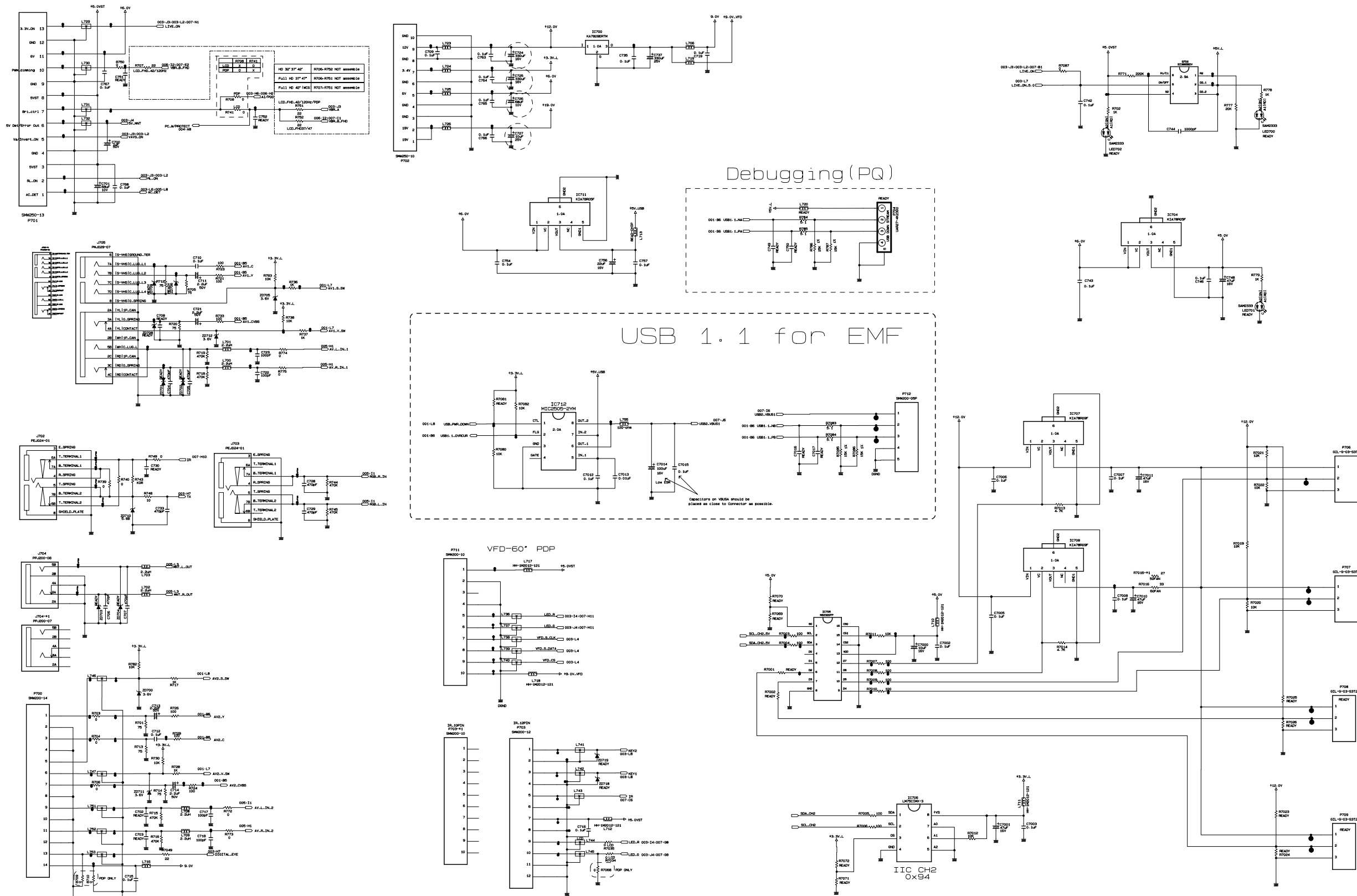
LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
R543	0RJ0000C678	"Resistor,Chip" MCR01MZPJ000 0OHM 5% 1/	R633	0RJ4701C678	"Resistor,Chip" MCR01MZPJ472 4.7KOHM 5%
R559	0RJ0331D677	"Resistor,Chip" MCR03EZPJ3R3 3.3OHM 5%	R635	0RJ0000C678	"Resistor,Chip" MCR01MZPJ000 0OHM 5% 1/
R560	0RJ0331D677	"Resistor,Chip" MCR03EZPJ3R3 3.3OHM 5%	R636	0RJ0000C678	"Resistor,Chip" MCR01MZPJ000 0OHM 5% 1/
R581	0RJ0331D677	"Resistor,Chip" MCR03EZPJ3R3 3.3OHM 5%	R637	0RJ0000C678	"Resistor,Chip" MCR01MZPJ000 0OHM 5% 1/
R582	0RJ0331D677	"Resistor,Chip" MCR03EZPJ3R3 3.3OHM 5%	R638	0RJ1001C678	"Resistor,Chip" MCR01MZPJ102 1KOHM 5% 1
R583	0RJ0331D677	"Resistor,Chip" MCR03EZPJ3R3 3.3OHM 5%	R640	0RJ3001C678	"Resistor,Chip" MCR01MZPJ302 3KOHM 5% 1
R584	0RJ0331D677	"Resistor,Chip" MCR03EZPJ3R3 3.3OHM 5%	R642	0RJ0000C678	"Resistor,Chip" MCR01MZPJ000 0OHM 5% 1/
R585	0RJ3001C678	"Resistor,Chip" MCR01MZPJ302 3KOHM 5% 1	R643	0RJ0000C678	"Resistor,Chip" MCR01MZPJ000 0OHM 5% 1/
R586	0RJ0000C678	"Resistor,Chip" MCR01MZPJ000 0OHM 5% 1/	R644	0RJ0000C678	"Resistor,Chip" MCR01MZPJ000 0OHM 5% 1/
R587	0RJ4702C678	"Resistor,Chip" MCR01MZPJ473 47KOHM 5%	R645	0RJ0000C678	"Resistor,Chip" MCR01MZPJ000 0OHM 5% 1/
R588	0RJ0222C678	"Resistor,Chip" MCR01MZPJ220 22OHM 5% 1	R646	0RJ3001C678	"Resistor,Chip" MCR01MZPJ302 3KOHM 5% 1
R589	0RJ0222C678	"Resistor,Chip" MCR01MZPJ220 22OHM 5% 1	R654	0RJ1001C678	"Resistor,Chip" MCR01MZPJ102 1KOHM 5% 1
R590	0RJ0222C678	"Resistor,Chip" MCR01MZPJ220 22OHM 5% 1	R655	0RJ1002C678	"Resistor,Chip" MCR01MZPJ103 10KOHM 5%
R591	0RJ0222C678	"Resistor,Chip" MCR01MZPJ220 22OHM 5% 1	R656	0RJ0000C678	"Resistor,Chip" MCR01MZPJ000 0OHM 5% 1/
R593	0RJ4702C678	"Resistor,Chip" MCR01MZPJ473 47KOHM 5%	R658	0RJ0222C678	"Resistor,Chip" MCR01MZPJ220 22OHM 5% 1
R594	0RJ0222C678	"Resistor,Chip" MCR01MZPJ220 22OHM 5% 1	R662	0RJ3300C678	"Resistor,Chip" MCR01MZPJ331 330OHM 5%
R595	0RJ0222C678	"Resistor,Chip" MCR01MZPJ220 22OHM 5% 1	R664	0RJ0000C678	"Resistor,Chip" MCR01MZPJ000 0OHM 5% 1/
R6001	0RJ1001C678	"Resistor,Chip" MCR01MZPJ102 1KOHM 5% 1	R665	0RJ4701C678	"Resistor,Chip" MCR01MZPJ472 4.7KOHM 5%
R6002	0RJ0222C678	"Resistor,Chip" MCR01MZPJ220 22OHM 5% 1	R667	0RJ4701C678	"Resistor,Chip" MCR01MZPJ472 4.7KOHM 5%
R6004	0RJ4701C678	"Resistor,Chip" MCR01MZPJ472 4.7KOHM 5%	R668	0RJ1004D477	"Resistor,Chip" MCR03EZPF105 1MOHM 1% 1
R6005	0RJ4701C678	"Resistor,Chip" MCR01MZPJ472 4.7KOHM 5%	R670	0RJ1202C678	"Resistor,Chip" MCR01MZPJ123 12KOHM 5%
R6006	0RJ4701C678	"Resistor,Chip" MCR01MZPJ472 4.7KOHM 5%	R670	0RJ5601C678	"Resistor,Chip" MCR01MZPJ562 5.6KOHM 5%
R6007	0RJ4701C678	"Resistor,Chip" MCR01MZPJ472 4.7KOHM 5%	R671	0RJ1202C678	"Resistor,Chip" MCR01MZPJ123 12KOHM 5%
R6008	0RJ4701C678	"Resistor,Chip" MCR01MZPJ472 4.7KOHM 5%	R671	0RJ5601C678	"Resistor,Chip" MCR01MZPJ562 5.6KOHM 5%
R601	0RJ1201C678	"Resistor,Chip" MCR01MZPJ122 1.2KOHM 5%	R672	0RJ2001C678	"Resistor,Chip" MCR01MZPJ202 2KOHM 5% 1
R6014	0RJ1001C678	"Resistor,Chip" MCR01MZPJ102 1KOHM 5% 1	R672	0RJ2001C678	"Resistor,Chip" MCR01MZPJ202 2KOHM 5% 1
R6015	0RJ1001C678	"Resistor,Chip" MCR01MZPJ102 1KOHM 5% 1	R673	0RJ2001C678	"Resistor,Chip" MCR01MZPJ202 2KOHM 5% 1
R6016	0RJ0222C678	"Resistor,Chip" MCR01MZPJ220 22OHM 5% 1	R673	0RJ2001C678	"Resistor,Chip" MCR01MZPJ202 2KOHM 5% 1
R6017	0RJ4701C678	"Resistor,Chip" MCR01MZPJ472 4.7KOHM 5%	R678	0RJ0000C678	"Resistor,Chip" MCR01MZPJ000 0OHM 5% 1/
R6018	0RJ4701C678	"Resistor,Chip" MCR01MZPJ472 4.7KOHM 5%	R679	0RJ0000C678	"Resistor,Chip" MCR01MZPJ000 0OHM 5% 1/
R6019	0RJ4701C678	"Resistor,Chip" MCR01MZPJ472 4.7KOHM 5%	R680	0RJ0000C678	"Resistor,Chip" MCR01MZPJ000 0OHM 5% 1/
R6020	0RJ1002C678	"Resistor,Chip" MCR01MZPJ103 10KOHM 5%	R681	0RJ0000C678	"Resistor,Chip" MCR01MZPJ000 0OHM 5% 1/
R6022	0RJ1002C678	"Resistor,Chip" MCR01MZPJ103 10KOHM 5%	R682	0RJ0000C678	"Resistor,Chip" MCR01MZPJ000 0OHM 5% 1/
R6032	0RJ0000C678	"Resistor,Chip" MCR01MZPJ000 0OHM 5% 1/	R683	0RJ0000C678	"Resistor,Chip" MCR01MZPJ000 0OHM 5% 1/
R6035	0RJ0752C678	"Resistor,Chip" MCR01MZPJ750 75OHM 5% 1	R684	0RJ0000C678	"Resistor,Chip" MCR01MZPJ000 0OHM 5% 1/
R6036	0RJ1002C678	"Resistor,Chip" MCR01MZPJ103 10KOHM 5%	R685	0RJ0000C678	"Resistor,Chip" MCR01MZPJ000 0OHM 5% 1/
R6037	0RJ1000C678	"Resistor,Chip" MCR01MZPJ101 100OHM 5%	R693	0RJ3301C678	"Resistor,Chip" MCR01MZPJ332 3.3KOHM 5%
R6038	0RJ1000C678	"Resistor,Chip" MCR01MZPJ101 100OHM 5%	R696	0RJ3001C678	"Resistor,Chip" MCR01MZPJ302 3KOHM 5% 1
R6039	0RJ0000C678	"Resistor,Chip" MCR01MZPJ000 0OHM 5% 1/	R697	0RJ1000C678	"Resistor,Chip" MCR01MZPJ101 100OHM 5%
R6044	0RJ6802C678	"Resistor,Chip" MCR01MZPJ683 68KOHM 5%	R698	0RJ1000C678	"Resistor,Chip" MCR01MZPJ101 100OHM 5%
R6045	0RJ6802C678	"Resistor,Chip" MCR01MZPJ683 68KOHM 5%	R701	0RJ0752C678	"Resistor,Chip" MCR01MZPJ750 75OHM 5% 1
R6048	0RJ0000C678	"Resistor,Chip" MCR01MZPJ000 0OHM 5% 1/	R702	0RJ1001C678	"Resistor,Chip" MCR01MZPJ102 1KOHM 5% 1
R6048	0RJ1001C678	"Resistor,Chip" MCR01MZPJ102 1KOHM 5% 1	R7034	0RJ0000C678	"Resistor,Chip" MCR01MZPJ000 0OHM 5% 1/
R6049	0RJ3300C678	"Resistor,Chip" MCR01MZPJ331 330OHM 5%	R7035	0RJ0000C678	"Resistor,Chip" MCR01MZPJ000 0OHM 5% 1/
R609	0RJ0222C678	"Resistor,Chip" MCR01MZPJ220 22OHM 5% 1	R7036	0RJ0000C678	"Resistor,Chip" MCR01MZPJ000 0OHM 5% 1/
R610	0RJ0222C678	"Resistor,Chip" MCR01MZPJ220 22OHM 5% 1	R7037	0RJ0000C678	"Resistor,Chip" MCR01MZPJ000 0OHM 5% 1/
R611	0RJ0222C678	"Resistor,Chip" MCR01MZPJ220 22OHM 5% 1	R7038	0RJ0000C678	"Resistor,Chip" MCR01MZPJ000 0OHM 5% 1/
R614	0RJ0222C678	"Resistor,Chip" MCR01MZPJ220 22OHM 5% 1	R7049	0RJ0222C678	"Resistor,Chip" MCR01MZPJ220 22OHM 5% 1
R615	0RJ0000C678	"Resistor,Chip" MCR01MZPJ000 0OHM 5% 1/	R705	0RJ0752C678	"Resistor,Chip" MCR01MZPJ750 75OHM 5% 1
R616	0RJ0000C678	"Resistor,Chip" MCR01MZPJ000 0OHM 5% 1/	R7080	0RJ1002C678	"Resistor,Chip" MCR01MZPJ103 10KOHM 5%
R618	0RJ4701C678	"Resistor,Chip" MCR01MZPJ472 4.7KOHM 5%	R7082	0RJ1002C678	"Resistor,Chip" MCR01MZPJ103 10KOHM 5%
R619	0RJ4701C678	"Resistor,Chip" MCR01MZPJ472 4.7KOHM 5%	R7083	0RJ0511D677	"Resistor,Chip" MCR03EZPJ5R1 5.1OHM 5%
R621	0RJ0222C678	"Resistor,Chip" MCR01MZPJ220 22OHM 5% 1	R7084	0RJ0511D677	"Resistor,Chip" MCR03EZPJ5R1 5.1OHM 5%
R631	0RJ0000C678	"Resistor,Chip" MCR01MZPJ000 0OHM 5% 1/	R7085	0RJ1502C478	"Resistor,Chip" MCR01MZPF153 15KOHM 1%
R632	0RJ1001C678	"Resistor,Chip" MCR01MZPJ102 1KOHM 5% 1	R7086	0RJ1502C478	"Resistor,Chip" MCR01MZPF153 15KOHM 1%

LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
R7087	0RJ0000C678	"Resistor,Chip" MCR01MZPJ000 0OHM 5% 1/	X300	6202TST001E	Crystal SX-1 24MHZ 30PPM(20PF)
R712	0RJ0752C678	"Resistor,Chip" MCR01MZPJ750 75OHM 5% 1	X400	6202VDT002B	Crystal SX-1 14.31818MHZ 30PPM(
R713	0RJ0752C678	"Resistor,Chip" MCR01MZPJ750 75OHM 5% 1	X500	6202VDT002H	Crystal SX-1 18.432MHZ 30PPM(16
R714	0RJ0752C678	"Resistor,Chip" MCR01MZPJ750 75OHM 5% 1	X601	6212AB2872A	Crystal HC49SM 25MHZ 50PPM 20pF
R715	0RJ4703C678	"Resistor,Chip" MCR01MZPJ474 470KOHM 5%	X900	6212AB2872A	Crystal HC49SM 25MHZ 50PPM 20pF
R716	0RJ4703C678	"Resistor,Chip" MCR01MZPJ474 470KOHM 5%	J101	6612J10033A	"Jack,Complex" PMJ016-13 13P DIN/RCA 1
R717	0RJ1001C678	"Resistor,Chip" MCR01MZPJ102 1KOHM 5% 1	J600	6612J10024A	"Jack,Complex" KCN-BT-0-0056 4P NT/RCA
R718	0RJ4703C678	"Resistor,Chip" MCR01MZPJ474 470KOHM 5%	J705	6612J00062H	"Jack,Complex" PMJ029-01 14P DIN/RCA 1
R719	0RJ4703C678	"Resistor,Chip" MCR01MZPJ474 470KOHM 5%	J402	6612B00015B	"Jack,DIN" DC1R019WDH SOCKET 21P S
R720	0RJ0752C678	"Resistor,Chip" MCR01MZPJ750 75OHM 5% 1	J403	6612B00015B	"Jack,DIN" DC1R019WDH SOCKET 21P S
R721	0RJ0000C678	"Resistor,Chip" MCR01MZPJ000 0OHM 5% 1/	J404	6612B00015B	"Jack,DIN" DC1R019WDH SOCKET 21P S
R721	0RJ1000C678	"Resistor,Chip" MCR01MZPJ101 100OHM 5%	J1	EAG32151101	"Jack,Fiber Optic" "TOX177L(F,T) 3P TX 2.54"
R723	0RJ0000C678	"Resistor,Chip" MCR01MZPJ000 0OHM 5% 1/	J702	6612F00099A	"Jack,Phone" PEJ024-01 1P 4P STRAIGH
R723	0RJ1000C678	"Resistor,Chip" MCR01MZPJ101 100OHM 5%	J703	6612F00099A	"Jack,Phone" PEJ024-01 1P 4P STRAIGH
R724	0RJ0000C678	"Resistor,Chip" MCR01MZPJ000 0OHM 5% 1/	J400	6612J10031A	"Jack,RCA" PPJ209-02 14.0MM 1RX5C
R724	0RJ1000C678	"Resistor,Chip" MCR01MZPJ101 100OHM 5%	J401	6612J10031A	"Jack,RCA" PPJ209-02 14.0MM 1RX5C
R726	0RJ0000C678	"Resistor,Chip" MCR01MZPJ000 0OHM 5% 1/	J704	6612J10043A	"Jack,RCA" PPJ200-07 15MM 1RX4C AN
R726	0RJ1000C678	"Resistor,Chip" MCR01MZPJ101 100OHM 5%	LED1	0DLBE0138AA	"LED,DIP" BL-BUBGE301 ROUND 3MM S
R728	0RJ1001C678	"Resistor,Chip" MCR01MZPJ102 1KOHM 5% 1	IC205	SAA30532516	"S/W,Firmware" 3.06 0DD3 NORTH AMERICA
R729	0RJ0000C678	"Resistor,Chip" MCR01MZPJ000 0OHM 5% 1/	IC309	SAA30643715	"S/W,Firmware" 3.02 B45B WORLD WIDE Su
R729	0RJ1000C678	"Resistor,Chip" MCR01MZPJ101 100OHM 5%	SW101	140-313B	"Switch,Tact" KPT-1115AM 1C1P 12VDC 0
R730	0RJ1002C678	"Resistor,Chip" MCR01MZPJ103 10KOHM 5%	SW102	140-313B	"Switch,Tact" KPT-1115AM 1C1P 12VDC 0
R733	0RJ0000C678	"Resistor,Chip" MCR01MZPJ000 0OHM 5% 1/	SW103	140-313B	"Switch,Tact" KPT-1115AM 1C1P 12VDC 0
R733	0RJ1000C678	"Resistor,Chip" MCR01MZPJ101 100OHM 5%	SW104	140-313B	"Switch,Tact" KPT-1115AM 1C1P 12VDC 0
R736	0RJ1001C678	"Resistor,Chip" MCR01MZPJ102 1KOHM 5% 1	SW105	140-313B	"Switch,Tact" KPT-1115AM 1C1P 12VDC 0
R737	0RJ1001C678	"Resistor,Chip" MCR01MZPJ102 1KOHM 5% 1	SW106	140-313B	"Switch,Tact" KPT-1115AM 1C1P 12VDC 0
R738	0RJ1002C678	"Resistor,Chip" MCR01MZPJ103 10KOHM 5%	SW107	140-313B	"Switch,Tact" KPT-1115AM 1C1P 12VDC 0
R739	0RJ0000C678	"Resistor,Chip" MCR01MZPJ000 0OHM 5% 1/	SW108	140-313B	"Switch,Tact" KPT-1115AM 1C1P 12VDC 0
R740	0RJ0000C678	"Resistor,Chip" MCR01MZPJ000 0OHM 5% 1/	TU600	EBL34917003	"Tuner,Analog/Digital" VA1Y2UR2201 NTSC/ATSC 5
R741	0RJ0000C678	"Resistor,Chip" MCR01MZPJ000 0OHM 5% 1/	VR400	6102W5V016A	Varistor AVRL161A1R1NT 10V 30% 1
R744	0RJ4703C678	"Resistor,Chip" MCR01MZPJ474 470KOHM 5%	VR401	6102W5V016A	Varistor AVRL161A1R1NT 10V 30% 1
R745	0RJ4703C678	"Resistor,Chip" MCR01MZPJ474 470KOHM 5%	VR402	6102W5V016A	Varistor AVRL161A1R1NT 10V 30% 1
R748	0RJ0102C678	"Resistor,Chip" MCR01MZPJ100 10OHM 5% 1	VR403	6102W5V016A	Varistor AVRL161A1R1NT 10V 30% 1
R749	0RJ0000C678	"Resistor,Chip" MCR01MZPJ000 0OHM 5% 1/	VR404	6102W5V016A	Varistor AVRL161A1R1NT 10V 30% 1
R750	0RJ0000C678	"Resistor,Chip" MCR01MZPJ000 0OHM 5% 1/	VR405	6102W5V016A	Varistor AVRL161A1R1NT 10V 30% 1
R752	0RJ0222C678	"Resistor,Chip" MCR01MZPJ220 22OHM 5% 1	VR405	6102W5V016A	Varistor AVRL161A1R1NT 10V 30% 1
R771	0RJ2203D677	"Resistor,Chip" MCR03EZPJ224 220KOHM 5%	VR406	6102W5V016A	Varistor AVRL161A1R1NT 10V 30% 1
R772	0RJ0000C678	"Resistor,Chip" MCR01MZPJ000 0OHM 5% 1/	VR406	6102W5V016A	Varistor AVRL161A1R1NT 10V 30% 1
R773	0RJ0000C678	"Resistor,Chip" MCR01MZPJ000 0OHM 5% 1/	VR407	6102W5V016A	Varistor AVRL161A1R1NT 10V 30% 1
R774	0RJ0000C678	"Resistor,Chip" MCR01MZPJ000 0OHM 5% 1/	VR407	6102W5V016A	Varistor AVRL161A1R1NT 10V 30% 1
R775	0RJ0000C678	"Resistor,Chip" MCR01MZPJ000 0OHM 5% 1/	VR408	6102W5V016A	Varistor AVRL161A1R1NT 10V 30% 1
R777	0RJ2002D677	"Resistor,Chip" MCR03EZPJ203. 20KOHM 5%	VR409	6102W5V016A	Varistor AVRL161A1R1NT 10V 30% 1
R778	0RJ1001C678	"Resistor,Chip" MCR01MZPJ102 1KOHM 5% 1	VR410	6102W5V016A	Varistor AVRL161A1R1NT 10V 30% 1
R779	0RJ1001C678	"Resistor,Chip" MCR01MZPJ102 1KOHM 5% 1	VR411	6102W5V016A	Varistor AVRL161A1R1NT 10V 30% 1
R782	0RJ1002C678	"Resistor,Chip" MCR01MZPJ103 10KOHM 5%	CONNECTOR		
R783	0RJ1002C678	"Resistor,Chip" MCR01MZPJ103 10KOHM 5%	J300	6630G00001C	"Connector,DSUB" KCN-DS-1-0088 D-SUB 9P
R784	0RJ0511D677	"Resistor,Chip" MCR03EZPJ5R1 5.1OHM 5%	J404	6630TGA004K	"Connector,DSUB" KCN-DS-1-0089 D-SUB 15P
R785	0RJ0511D677	"Resistor,Chip" MCR03EZPJ5R1 5.1OHM 5%	J405	6630TGA004K	"Connector,DSUB" KCN-DS-1-0089 D-SUB 15P
R786	0RJ1502C478	"Resistor,Chip" MCR01MZPF153 15KOHM 1%	P103	6630SK00604	"Connector,USB" UAR27-4K2300 A 1P 2.50M
R787	0RJ1502C478	"Resistor,Chip" MCR01MZPF153 15KOHM 1%	P101	6602T20009C	"Connector,Wafer" SMAW200-04P 4P 2.00MM 1
R804	0RJ1002C678	"Resistor,Chip" MCR01MZPJ103 10KOHM 5%	P101	6602T20009L	"Connector,Wafer" SMAW200-12P 12P 2.00MM
OTHERs			P102	6602T20008N	"Connector,Wafer" SMW200-14P 14P 2.00MM 1
X100	EAW30352304	Crystal 9C55400023(16pf) 55.474	P102	6602T20009C	"Connector,Wafer" SMAW200-04P 4P 2.00MM 1

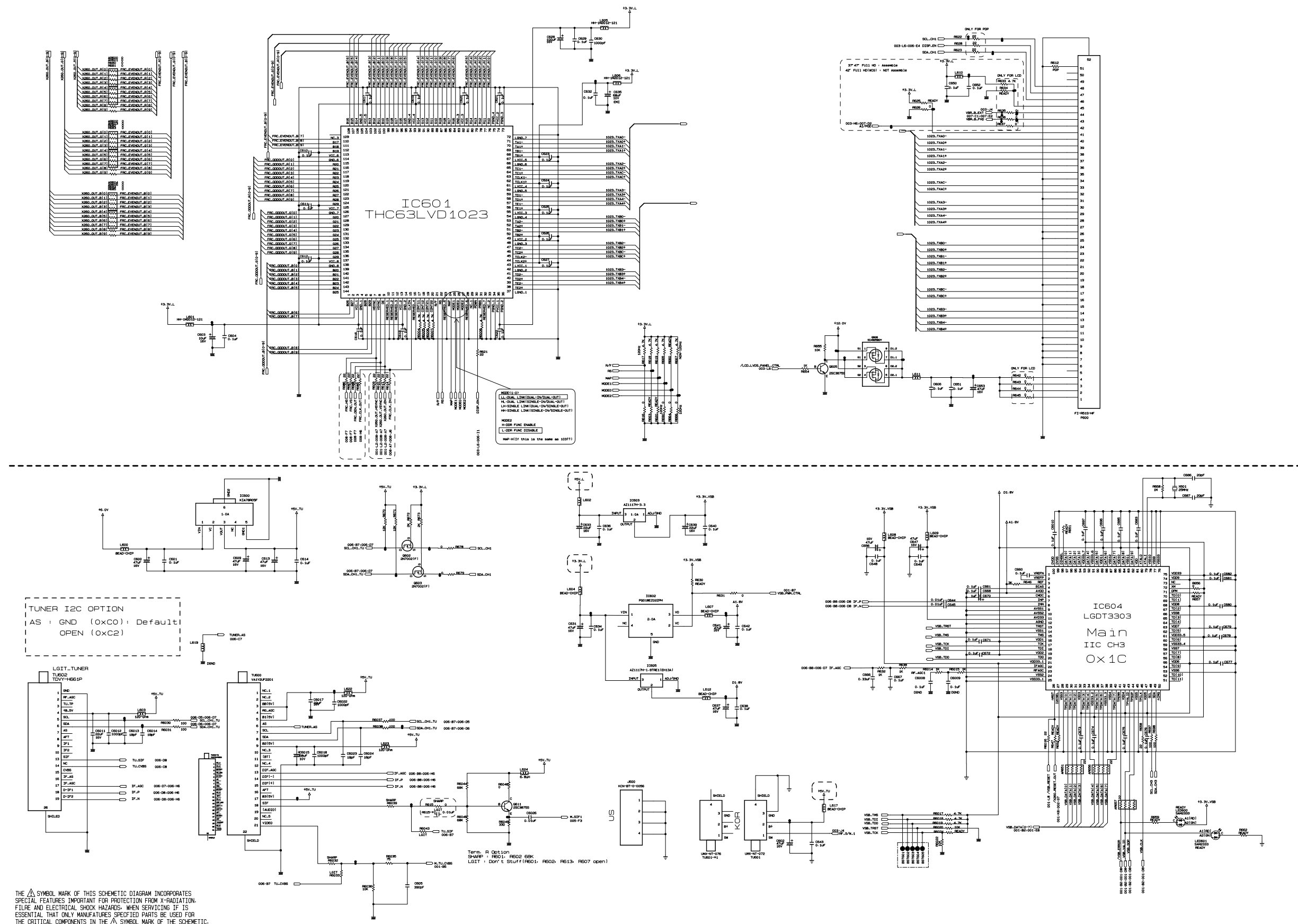
LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
P103	6602T20009L	"Connector,Wafer" SMAW200-12P 12P 2.00MM			
P104	6602T25008B	"Connector,Wafer" SMW250-03P 3P 2.50MM 1R			
P105	6602T20008D	"Connector,Wafer" SMW200-05P 5P 2.00MM 1R			
P501	6602T25008C	"Connector,Wafer" SMW250-04P 4P 2.50MM 1R			
P502	6602T25008B	"Connector,Wafer" SMW250-03P 3P 2.50MM 1R			
P600	6630V93270A	"Connector,Wafer" FI-RE51S-HFK-A 51P 0.50			
P700	6602T20008N	"Connector,Wafer" SMW200-14P 14P 2.00MM 1			
P701	6602T25008M	"Connector,Wafer" SMW250-13P 13P 2.50MM 1			
P702	6602T25008J	"Connector,Wafer" SMW250-10P 10P 2.50MM 1			
P703	6602T20008L	"Connector,Wafer" SMW200-12P 12P 2.00MM 1			
P712	6602T20008D	"Connector,Wafer" SMW200-05P 5P 2.00MM 1R			
C2	6630V90142A	"Connector,Wafer" TPH254-R-1419-6A 6P 2.5			
P501	EAD30301901	"Harness,Single" DMS 4P CONNECTOR ASSY S			
P502	6631900102A	"Harness,Single" SMH250 SMP250 300mM 2.5			
P703	6631900010N	"Harness,Single" 12P 2.0MM 900MM SMH200			
C1	5240VE0001T	"Harness,Single" RING D4.3 RING D4.3 100			
C3	6631900012E	"Harness,Single" SMH250 SMH250 300mM 2.5			
C4	6631900048A	"Harness,Single" SMH200-4P SMH200-4P 200			
C5	6631900097N	"Harness,Single" SMH250 35097/35098 100_			
C6	6631900098N	"Harness,Single" SMH250 35097/35098 600_			
C7	6631900133E	"Harness,Single" LVDS FULL HD (JAE) FI-R			
C8	6631T20032B	"Harness,Single" PHR-12P PHR-12P 600mM 2			
C9	6631T20033K	"Harness,Single" SMH200-14P SMH200-14P 5			
C10	6631T20037D	"Harness,Single" PHR-12P PHR-12P 700mM 2			
C11	6631T20037E	"Harness,Single" PHR-12P PHR-12P 300mM 2			
C12	6631T20041B	"Harness,Single" 12P-12P(PHR) PHR-12 PHR			
C13	6631T25020L	"Harness,Single" SMH250 SMH250 250mM 2.5			
C16	EAD36184801	"Harness,Single" SMH250 SMH250 400MM 2.5			
C17	EAD36548901	"Harness,Single" SMH200 SMH200 500MM 2.0			



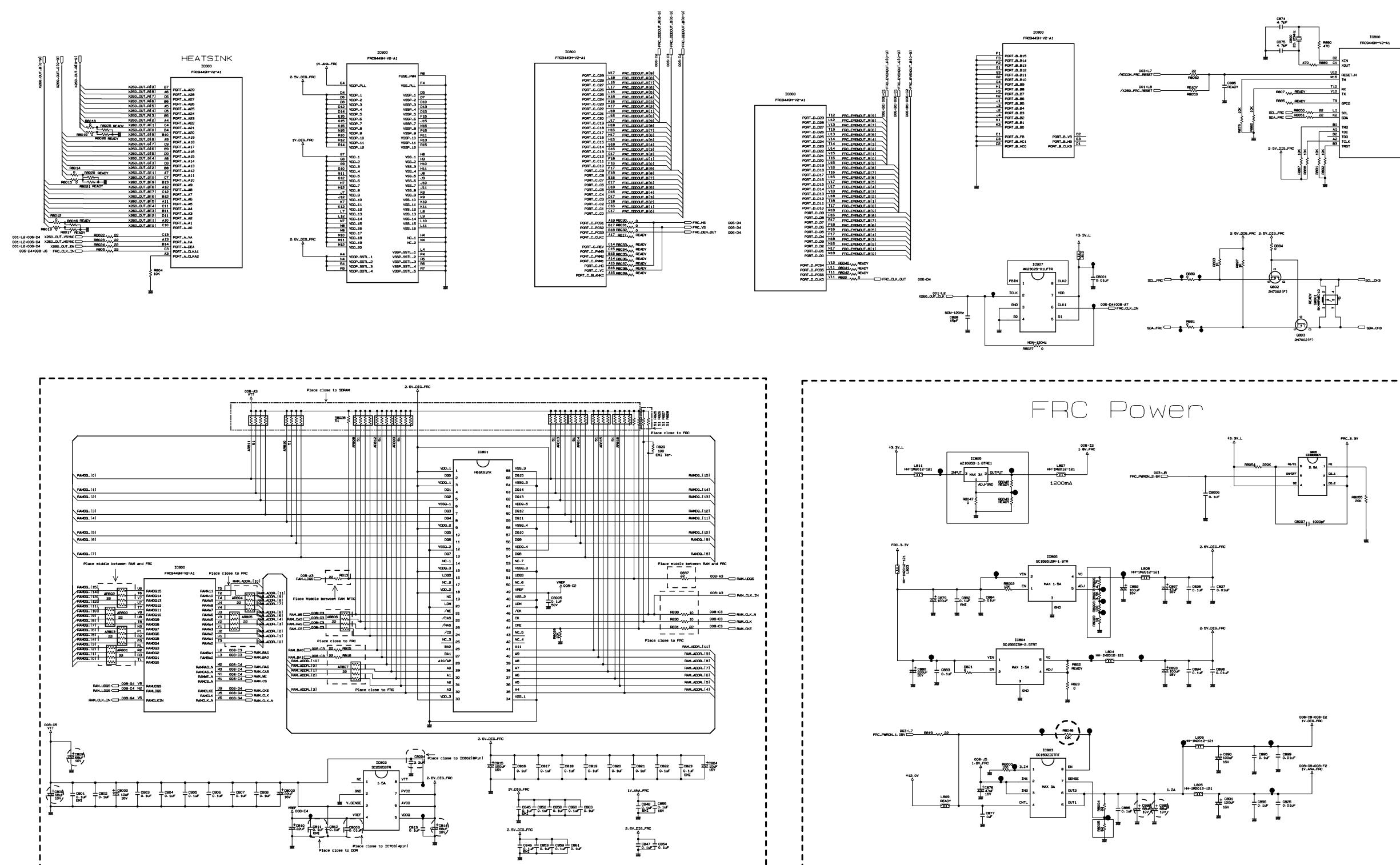
THE Δ SYMBOL MARK OF THIS SCHEMATIC DIAGRAM INCORPORATES SPECIAL FEATURES IMPORTANT FOR PROTECTION FROM RADIATION. FILTRATION AND ELECTRICAL SHOCK HAZARDS. WHEN SERVING IF IT IS ESSENTIAL THAT ONLY MANUFACTURED SPECIFIED PARTS BE USED FOR THE OPTICAL COMPONENTS IN THE Δ SYMBOL MARK OF THE SCHEMATIC.



THE Δ SYMBOL MARK OF THIS SCHEMATIC DIAGRAM INCORPORATES SPECIAL FEATURES IMPORTANT FOR PROTECTION FROM RADIATION. FILTRATION AND ELECTRICAL SHOCK HAZARDS. WHEN SERVING IF IT IS ESSENTIAL THAT ONLY MANUFACTURED SPECIFIED PARTS BE USED FOR THE OPTICAL COMPONENTS IN THE Δ SYMBOL MARK OF THE SCHEMATIC.



THE Δ SYMBOL MARK OF THIS SCHEMATIC DIAGRAM INCORPORATES SPECIAL FEATURES IMPORTANT FOR PROTECTION FROM RADIATION. FILTRATION AND ELECTRICAL SHOCK HAZARDS. WHEN SERVING IF IT IS ESSENTIAL THAT ONLY MANUFACTURED SPECIFIED PARTS BE USED FOR THE OPTICAL COMPONENTS IN THE Δ SYMBOL MARK OF THE SCHEMATIC.



THE Δ SYMBOL MARK OF THIS SCHEMATIC DIAGRAM INCORPORATES SPECIAL FEATURES IMPORTANT FOR PROTECTION FROM RADIATION. FILTRATION AND ELECTRICAL SHOCK HAZARDS. WHEN SERVING IF IT IS ESSENTIAL THAT ONLY MANUFACTURED SPECIFIED PARTS BE USED FOR THE OPTICAL COMPONENTS IN THE Δ SYMBOL MARK OF THE SCHEMATIC.



P/NO : MFL35929309

Apr., 2007
Printed in Korea