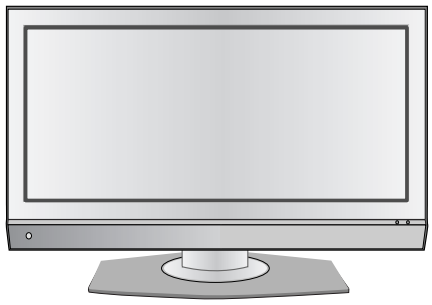
website:http://biz.LGservice.com

LCD TV
SERVICE MANUAL

CHASSIS : LD75A

MODEL : 42LF65 42LF65-ZC

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



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SAFETY PRECAUTIONS

IMPORTANT SAFETY NOTICE

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

General Guidance

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

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

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

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

Keep wires away from high voltage or high temperature parts.

Before returning the receiver to the customer,

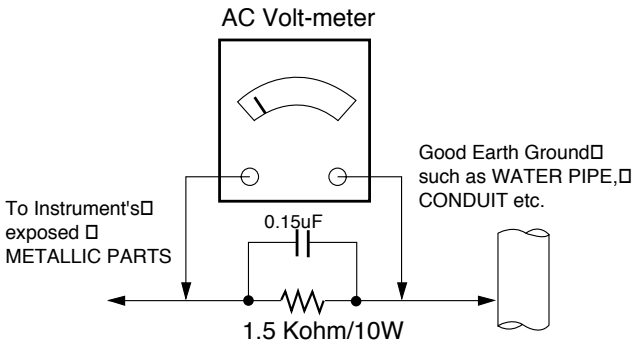
always perform an **AC leakage current check** on the exposed metallic parts of the cabinet, such as antennas, terminals, etc., to be sure the set is safe to operate without damage of electrical shock.

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

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

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

Leakage Current Hot Check circuit



SERVICING PRECAUTIONS

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

General Servicing Precautions

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

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

Electrostatically Sensitive (ES) Devices

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

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

General Soldering Guidelines

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

IC Remove/Replacement

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

Removal

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

Replacement

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

"Small-Signal" Discrete Transistor Removal/Replacement

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

Power Output, Transistor Device Removal/Replacement

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

Diode Removal/Replacement

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

Fuse and Conventional Resistor Removal/Replacement

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

Circuit Board Foil Repair

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

At IC Connections

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

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

At Other Connections

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

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

SPECIFICATION

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

1. Application range

This spec sheet is applied to the 37", 42", 47" LCD TV used LD75A chassis.

2. Specification

Each part is tested as below without special appointment.

(1) Temperature : 25 ± 5°C(77 ± 9°F), CST : 40 ± 5°C
(2) Relative Humidity : 65% ± 10%
(3) Power Voltage : Standard input voltage (100-240V~, 50/60Hz)
*Standard Voltage of each products is marked by models
(4) Specification and performance of each parts are followed each drawing and specification by part number in accordance with BOM.
(5) The receiver must be operated for about 20 minutes prior to the adjustment.

3. Test method

(1) Performance : LGE TV test method followed
(2) Demanded other specification
Safety : CE, IEC Specification
EMC : CE, IEC

4. General Specification(FHD Module)

Item	Specification	Measurement	Result	Remark
Display Screen Device	47/42/37 inch Wide Color Display Module		LCD	
Aspect Ratio	16:9			
LCD Module	37LB5DF (37LF65): LC370WU1-SL01 42LB5DF (42LF65): LC420WU2-SLB1 47LB5DF (47LF65): LC470WU1-SLB2 37LY3DF (37LY95): LC370WU1-SL01 42LY3DF (42LY95): LC420WU2-SLC1 47LY3DF (47LY95): LC470WU4-SLC1			
Operating Environment	1) Temp. : 0 ~ 40 deg 2) Humidity : 10 ~ 90%			LGE SPEC
Storage Environment	3) Temp. : -20 ~ 50 deg 4) Humidity : 10 ~ 90 %			
Input Voltage	AC100 ~ 240V, 50/60Hz			Maker LG

5. Chroma & Brightness

5-1. FHD Module-47LB5DF (47LF65)

Item			Min	Typ	Max	Unit	Measurement	Result	Remark
Viewing Angle <CR>10>		R/L	178			Viewing Angle<CR>10>	R/L	178	
		U/D	178				U/D	178	
White average brightness		47LF65	450	550	-	cd/m²			- 100IRE Full White Pattern(255gray) - Picture : Dynamic (Cool)
Brightness uniformity			1.3	0	1.3	cd/m²			- 100IRE Full White Pattern(255gray) - Picture : Dynamic (Cool)
Color Coordinate	White	X	0.261	0.276	0.291				- 85IRE Full White Pattern (216 gray) - Picture : Dynamic (Cool)
		Y	0.268	0.283	0.298				
	Red	X	0.603	0.618	0.633				
		Y	0.318	0.333	0.348				
	Green	X	0.260	0.275	0.290				
		Y	0.568	0.583	0.598				
	Blue	X	0.132	0.147	0.162				
		Y	0.046	0.061	0.076				
Color coordinate uniformity			-0.03	Average	+0.03				- 85IRE Full White Pattern (216 gray) - Picture : Dynamic (Cool)
Contrast Ratio at dark room	CR with PWM-Dimming CR without PWM-Dimming			4000 : 1 (600:1)	5000 : 1 (800:1)				- Full white(100IRE) - Full black(0IRE) pattern - Picture : Dynamic (Cool) -Input:TV/DTV/AV1,2,3/Comp/HDMI1,2 -> CR with PWM-Dimming RGB/HDMI-PC -> CR without PWM-Dimming
Color Temperature	Medium			8300	9300	10300			- 85IRE Full White Pattern (216 gray) - Picture : Dynamic (Cool)
	Warm			5500	6500	7500			
	Cool			10000	11000	12000			
Color pull in Range	PAL			-500		+500	Hz		
	NTSC			-500		+500	Hz		
Color killer Sensitivity					-80		dBm		

*** PWM-Dimming function works after 30 seconds. So, When you check the CR, you must wait 30 minutes for check the Full Black level and then 10 minutes for check the Full White level.***

5-2. FHD Module-42LB5DF (42LF65)

Item			Min	Typ	Max	Unit	Measurement	Result	Remark
Viewing Angle <CR>10>		R/L	178			Viewing Angle <CR>10>	R/L	178	
		U/D	178				U/D	178	
White average brightness		42LF65	450	550	-	cd/m²			- 100IRE Full White Pattern (255gray) - Picture : Dynamic (Cool)
Brightness uniformity			1.3	0	1.3	cd/m²			- 100IRE Full White Pattern (255gray) - Picture : Dynamic (Cool)
Color Coordinate	White	X	0.261	0.276	0.291				- 85IRE Full White Pattern (216 gray) - Picture : Dynamic (Cool)
		Y	0.268	0.283	0.298				
	Red	X	0.603	0.618	0.633				
		Y	0.318	0.333	0.348				
	Green	X	0.260	0.275	0.290				
		Y	0.568	0.583	0.598				
	Blue	X	0.132	0.147	0.162				
		Y	0.046	0.061	0.076				
Color coordinate uniformity				-0.03	Average	+0.03			- 85IRE Full White Pattern (216 gray) - Picture : Dynamic (Cool)
Contrast Ratio at dark room	CR with PWM-Dimming CR without PWM-Dimming			4000 : 1 (400:1)	5000 : 1 (600:1)				- Full white(100IRE) - Full black(0IRE) pattern - Picture : Dynamic (Cool) -Input:TV/DTV/AV1,2,3/Comp/HDMI1,2 -> CR with PWM-Dimming RGB/HDMI-PC -> CR without PWM-Dimming
Color Temperature	Medium			8300	9300	10300			- 85IRE Full White Pattern (216 gray) - Picture : Dynamic (Cool)
	Warm			5500	6500	7500			
	Cool			10000	11000	12000			
Color pull in Range	PAL			-500		+500	Hz		
	NTSC			-500		+500	Hz		
Color killer Sensitivity				-80			dBm		

5-3. FHD Module-37LB5DF (37LF65)

Item			Min	Typ	Max	Unit	Measurement	Result	Remark
Viewing Angle <CR>10>		R/L	178			Viewing Angle <CR>10>	R/L	178	
		U/D	178				U/D	178	
White average brightness		37LF65	400	500	-	cd/m²			- 100IRE Full White Pattern (255gray) - Picture : Dynamic (Cool)
Brightness uniformity			1.3	0	1.3	cd/m²			- 100IRE Full White Pattern (255gray) - Picture : Dynamic (Cool)
Color Coordinate	White	X	0.261	0.276	0.291				- 85IRE Full White Pattern (216 gray) - Picture : Dynamic (Cool)
		Y	0.268	0.283	0.298				
	Red	X	0.603	0.618	0.633				
		Y	0.318	0.333	0.348				
	Green	X	0.260	0.275	0.290				
		Y	0.595	0.610	0.625				
	Blue	X	0.132	0.147	0.162				
		Y	0.046	0.061	0.076				
Color coordinate uniformity				-0.03	Average	+0.03			- 85IRE Full White Pattern (216 gray) - Picture : Dynamic (Cool)
Contrast Ratio at dark room	CR with PWM-Dimming CR without PWM-Dimming			4000 : 1 (400:1)	5000 : 1 (600:1)				- Full white(100IRE) - Full black(0IRE) pattern - Picture : Dynamic (Cool) - Input:TV/DTV/AV1,2,3/Comp/HDMI1,2 -> CR with PWM-Dimming RGB/HDMI-PC -> CR without PWM-Dimming
Color Temperature	Medium			8300	9300	10300			- 85IRE Full White Pattern (216 gray) - Picture : Dynamic (Cool)
	Warm			5500	6500	7500			
	Cool			10000	11000	12000			
Color pull in Range	PAL			-500		+500	Hz		
	NTSC			-500		+500	Hz		
Color killer Sensitivity				-80			dBm		

5-3. FHD Module-47LY3DF (47LY95)

Item			Min	Typ	Max	Unit	Measurement	Result	Remark
Viewing Angle <CR>10>		R/L	178			Viewing Angle <CR>10>	R/L	178	
		U/D	178				U/D	178	
White average brightness		47LY95	400	500	-	cd/m²			-100IRE Full White Pattern (255 gray) - Picture : Dynamic (Cool)
Brightness uniformity			1.3	0	1.3	cd/m²			- 100IRE Full White Pattern(255 gray) - Picture : Dynamic (Cool)
Color Coordinate	White	X	0.261	0.276	0.291				- 85IRE Full White Pattern (216 gray) - Picture : Dynamic (Cool)
		Y	0.268	0.283	0.298				
	Red	X	0.603	0.618	0.633				
		Y	0.318	0.333	0.348				
	Green	X	0.260	0.275	0.290				
		Y	0.568	0.583	0.598				
	Blue	X	0.132	0.147	0.162				
		Y	0.046	0.061	0.076				
Color coordinate uniformity				-0.03	Average	+0.03			- 85IRE Full White Pattern (216 gray) - Picture : Dynamic (Cool)
Contrast Ratio at dark room	CR with PWM-Dimming CR without PWM-Dimming			4000 : 1 (400:1)	5000 : 1 (600:1)				- Full white(100IRE) - Full black(0IRE) pattern - Picture : Dynamic (Cool) -Input:TV/DTV/AV1,2,3/Comp/HDMI1,2 -> CR with PWM-Dimming RGB/HDMI-PC -> CR without PWM-Dimming
Color Temperature	Medium			8300	9300	10300			- 85IRE Full White Pattern (216 gray) - Picture : Dynamic (Cool)
	Warm			5500	6500	7500			
	Cool			10000	11000	12000			
Color pull in Range	PAL			-500		+500	Hz		
	NTSC			-500		+500	Hz		
Color killer Sensitivity				-80			dBm		

5-3. FHD Module-42LY3DF (42LY95)

Item			Min	Typ	Max	Unit	Measurement	Result	Remark
Viewing Angle <CR>10>		R/L	178			Viewing Angle <CR>10>	R/L	178	
		U/D	178				U/D	178	
White average brightness		42LY95	350	400	-	cd/m²			-100IRE Full White Pattern (255 gray) - Picture : Dynamic (Cool)
Brightness uniformity		1.3	0	1.3		cd/m²			-100IRE Full White Pattern (255 gray) - Picture : Dynamic (Cool)
Color Coordinate		White	X	0.261	0.276	0.291			- 85IRE Full White Pattern (216 gray) - Picture : Dynamic (Cool)
			Y	0.273	0.288	0.303			
		Red	X	0.652	0.667	0.682			
			Y	0.307	0.321	0.336			
		Green	X	0.168	0.183	0.198			
			Y	0.665	0.710	0.725			
		Blue	X	0.121	0.136	0.151			
			Y	0.060	0.075	0.090			
Color coordinate uniformity				-0.03	Average	+0.03			- 85IRE Full White Pattern (216 gray) - Picture : Dynamic (Cool)
Contrast Ratio at dark room	CR with PWM-Dimming CR without PWM-Dimming			4000 : 1 (400:1)	5000 : 1 (600:1)				- Full white(100IRE) - Full black(0IRE) pattern - Picture : Dynamic (Cool) -Input:TV/DTV/AV1,2,3/Comp/HDMI1,2 -> CR with PWM-Dimming RGB/HDMI-PC -> CR without PWM-Dimming
Color Temperature	Medium			8300	9300	10300			- 85IRE Full White Pattern (216 gray) - Picture : Dynamic (Cool)
	Warm			5500	6500	7500			
	Cool			10000	11000	12000			
Color pull in Range	PAL			-500		+500	Hz		
	NTSC			-500		+500	Hz		
Color killer Sensitivity				-80			dBm		

5-3. FHD Module-37LY3DF (37LY95)

Item			Min	Typ	Max	Unit	Measurement	Result	Remark
Viewing Angle <CR>10>		R/L	178			Viewing Angle <CR>10>	R/L	178	
		U/D	178				U/D	178	
White average brightness		37LY95	400	500	-	cd/m²			- 100IRE Full White Pattern(255 gray) - Picture : Dynamic (Cool)
Brightness uniformity			1.3	0	1.3	cd/m²			- 100IRE Full White Pattern (255gray) - Picture : Dynamic (Cool)
Color Coordinate	White	X	0.261	0.276	0.291				- 85IRE Full White Pattern (216 gray) - Picture : Dynamic (Cool)
		Y	0.268	0.283	0.298				
	Red	X	0.603	0.618	0.633				
		Y	0.318	0.333	0.348				
	Green	X	0.260	0.275	0.290				
		Y	0.568	0.583	0.598				
	Blue	X	0.132	0.147	0.162				
		Y	0.046	0.061	0.076				
Color coordinate uniformity				-0.03	Average	+0.03			- 85IRE Full White Pattern (216 gray) - Picture : Dynamic (Cool)
Contrast Ratio at dark room	CR with PWM-Dimming CR without PWM-Dimming			4000 : 1 (400:1)	5000 : 1 (600:1)				- Full white(100IRE) - Full black(0IRE) pattern - Picture : Dynamic (Cool) - Input : TV/DTV/AV1,2,3/Comp/HDMI1,2 -> CR with PWM-Dimming RGB/HDMI-PC -> CR without PWM-Dimming
Color Temperature	Medium			8300	9300	10300			- 85IRE Full White Pattern (216 gray) - Picture : Dynamic (Cool)
	Warm			5500	6500	7500			
	Cool			10000	11000	12000			
Color pull in Range	PAL			-500		+500	Hz		
	NTSC			-500		+500	Hz		
Color killer Sensitivity				-80			dBm		

6. Component Video Input (Y, P_B, P_R)

No	Resolution	H-freq(kHz)	V-freq.(kHz)	Pixel clock(MHz)	Proposed
1	720*480	15.73	59.94	13.500	SDTV, DVD 480I(525I)
2	720*480	15.75	60.00	13.514	SDTV, DVD 480I(525I)
3	720*576	15.625	50.00	13.500	SDTV, DVD 576I(625I)
4	720*480	31.47	59.94	27.000	SDTV 480P
5	720*480	31.50	60.00	27.027	SDTV 480P
6	720*576	31.25	50.00	27.000	SDTV 576P
7	1280*720	44.96	59.94	74.176	HDTV 720P
8	1280*720	45.00	60.00	74.250	HDTV 720P
9	1280*720	37.50	50.00	74.25	HDTV 720P
10	1920*1080	33.72	59.94	74.176	HDTV 1080I
11	1920*1080	33.75	60.00	74.250	HDTV 1080I
12	1920*1080	28.125	50.00	74.250	HDTV 1080I
13	1920*1080	67.50	60.00	148.50	HDTV 1080P

7. RGB Input (PC)

No	Resolution	H-freq(kHz)	V-freq.(Hz)	Pixel clock(MHz)	Proposed	Remarks
1.	720*400	31.468	70.08	28.32		
2.	640*480	31.469 37.500	59.94 75.00	25.17 31.50	VESA	848*480 60Hz, 852*480 60Hz ->No signal 640*480 60Hz Display
3	800*600	37.879 46.875	60.31 75.00	40.00 49.50	VESA	
4.	832*624	49.725	74.55	57.283	Macintosh	
5	1024*768	48.363 56.476 60.023	60.00 70.00 75.03	65.00 75.00 78.75	VESA(XGA)	
6	1280*768	47.693	59.99	80.125	WXGA	
7	1360*768	47.649	59.94	84.625	WXGA	
8	1366*768	47.649	59.94	84.625	WXGA	
9	1280*1024	63.595	60.0	108.875	SXGA	
10	1400*1050	65.160	60.0	122.50	SXGA	
11	1920*1080	66.647	59.988	138.625	WUXGA	Reduced Blanking Timing

7-1. EDID Input (PC)

	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
0	0	FF	FF	FF	FF	FF	FF	0	1E	6D	72	75	1	1	1	1
10	9	10	1	3	1	46	27	78	EA	D9	B0	A3	57	49	9C	25
20	11	49	4B	A5	6E	0	31	40	45	40	61	40	81	80	90	40
30	D1	C0	1	1	1	1	1A	36	80	A0	70	38	1F	40	30	20
40	35	0	E8	26	32	0	0	1A	DA	2F	78	E0	51	1A	25	40
50	58	98	14	0	E8	26	32	0	0	1A	0	0	0	FD	0	39
60	4B	1F	54	12	0	0A	20	20	20	20	20	20	0	0	0	FC
70	0	33	37	4C	46	36	35	2D	5A	43	20	20	20	20	0	FF

<Example : 37LF65-ZC RGB EDID data>
6CH – 7DH : Model name
7EH : No Extension EDID Block
7FH : Check sum
Model Name : 47LB5DF-ZC (47LF65-ZC) / Check Sum : FE
Model Name : 42LB5DF-ZC (42LF65-ZC) / Check Sum : 03
Model Name : 37LB5DF-ZC (37LF65-ZC) / Check Sum : FF
Model Name : 47LY3DF-ZA (47LY95-ZA) / Check Sum : EA
Model Name : 42LY3DF-ZA (42LY95-ZA) / Check Sum : EF
Model Name : 37LY3DF-ZA (37LY95-ZA) / Check Sum : EB

8. HDMI Input (DTV)

No	Resolution	H-freq(kHz)	V-freq.(kHz)	Pixel clock(MHz)	Proposed	Remarks
1.	720*480	31.47	59.94	27.00	SDTV 480P(4:3)	If change PC 640*480 60Hz Display
2.	720*480	31.50	60	27.027	SDTV 480P(4:3)	
3.	640*480	31.469	59.94	25.175	SDTV 480P(4:3)	
4.	640*480	31.469	60.00	25.20	SDTV 480P(4:3)	
5.	720*480	31.47	59.94	27.000	SDTV 480P(16:9)	
6.	720*480	31.50	60.00	27.027	SDTV 480P(16:9)	
7.	720*576	31.25	50.00	27.000	SDTV 576P	
8.	1280*720	37.50	50.00	74.176	HDTV 720P	
9.	1280*720	44.96	59.94	74.176	HDTV 720P	If change PC 1280*720 60Hz Display
10.	1280*720	45.00	60.00	74.250	HDTV 720P	
11	1920*1080	33.72	59.94	74.176	HDTV 1080I	
12	1920*1080	33.75	60.00	74.250	HDTV 1080I	
13	1920*1080	28.125	50.00	74.250	HDTV 1080I 50Hz	
14	1920*1080	27.000	24.00	74.250	HDTV 1080P 24Hz	
15	1920*1080	56.250	50	148.500	HDTV 1080P 50Hz	
16	1920*1080	67.433	59.94	148.352	HDTV 1080P	If change PC 1920*1080 60Hz∑Œ Display
17	1920*1080	67.500	60	148.500	HDTV 1080P	

8. HDMI Input (PC)

No	Resolution	H-freq(kHz)	V-freq.(Hz)	Pixel clock(MHz)	Proposed	Remarks
1.	720*400	31.468	70.08	28.32		
2.	640*480	31.469 37.500	59.94 75.00	25.17 31.50	VESA	If change DTV 480p Display 848*480 60Hz, 852*480 60Hz : No signal
3	800*600	37.879 46.875	60.31 75.00	40.00 49.50	VESA	
4.	832*624	49.725	74.55	57.283	Macintosh	
5	1024*768	48.363 56.476 60.023	60.00 70.00 75.03	65.00 75.00 78.75	VESA(XGA)	
6	1280*768	47.693	59.99	80.125	WXGA	
7	1360*768	47.649	59.94	84.625	WXGA	
8	1366*768	47.649	59.94	84.625	WXGA	
9	1280*1024	63.595	60.0	108.875	SXGA	
10	1400*1050	65.160	60.0	122.50	SXGA	Reduced Blanking Timing
11	1600*1200	74.077	60.0	130.375	UXGA	1920*1200 60Hz No Signal
12	1920*1080	66.647	59.988	138.625	WUXGA	Reduced Blanking Timing If change DTV 1080p Display

8-1. EDID Input (HDMI)

	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
0	0	FF	FF	FF	FF	FF	FF	0	1E	6D	72	75	1	1	1	1
10	9	10	1	3	80	46	27	78	EA	D9	B0	A3	57	49	9C	25
20	11	49	4B	A5	6E	0	31	40	45	40	61	40	81	80	90	40
30	A9	40	D1	C0	1	1	1A	36	80	A0	70	38	1F	40	30	20
40	35	0	E8	26	32	0	0	1A	1B	21	50	A0	51	0	1E	30
50	48	88	35	0	BC	86	21	0	0	1C	0	0	0	FD	0	39
60	4B	1F	54	12	0	0A	20	20	20	20	20	20	0	0	0	FC
70	0	33	37	4C	46	36	35	2D	5A	43	20	20	20	20	1	D8
80	2	3	21	F1	4E	81	2	3	15	12	13	4	14	5	20	21
90	22	1F	10	23	9	7	7	83	1	0	0	65	3	0C	0	10
A0	0	1	1D	0	80	51	D0	1C	20	40	80	35	0	BC	88	21
B0	0	0	1E	8C	0A	D0	8A	20	E0	2D	10	10	3E	96	0	13
C0	8E	21	0	0	18	2	3A	80	18	71	38	2D	40	58	2C	45
D0	0	6	44	21	0	0	1E	1	1D	80	18	71	1C	16	20	58
E0	2C	25	0	C4	8E	21	0	0	9E	4E	1F	0	80	51	0	1E
F0	30	40	80	37	0	BC	88	21	0	0	18	0	0	0	0	1D

<Example : 37LF65-ZC HDMI1 EDID data>
6CH – 7DH : Model name
7EH : Extension EDID Block
7FH : Check sum
9FH : Vendor specification Block (10 : HDMI1, 20 : HDMI2)
FFH : Check sum valid
Model Name : 47LB5DF-ZC (47LF65-ZC) / Check Sum HDMI1 : D71D , HDMI2 : D70D
Model Name : 42LB5DF-ZC (42LF65-ZC) / Check Sum HDMI1 : DC1D , HDMI2 : DC0D
Model Name : 37LB5DF-ZC (37LF65-ZC) / Check Sum HDMI1 : D81D , HDMI2 : D80D
Model Name : 47LY3DF-ZA (47LY95-ZA) / Check Sum HDMI1 : C31D , HDMI2 : C30D
Model Name : 42LY3DF-ZA (42LY95-ZA) / Check Sum HDMI1 : C81D , HDMI2 : C81D
Model Name : 37LY3DF-ZA (37LY95-ZA) / Check Sum HDMI1 : C41D , HDMI2 : C41D

9. MODULE

9-1. General specifications-47LB5DF (47LF65): LC470WU1-SLB2

No	Item	Min	Typ	Max	Unit	Remark
1	Display area	1039.68 (H) * 584.82(V)			mm	
2	Outline dimension	1096 (W) x 640 (H) x 48.1 (D) with inverter			mm	
3	Number of Pixels	1920 (H) x 1080(V)				1Pixel=3RGB Cells
4	Cell pitch	541.5um (H) x 541.5um (V)			um	G cell
5	Color arrangement	RGB stripe arrangement				
6	Weight(net)		20		Kg	Net 1EA

9-2. General specifications-42LB5DF (42LF65): LC420WU2-SLB1

No	Item	Min	Typ	Max	Unit	Remark
1	Display area	930.24 (H) * 523.26 (V)			mm	
2	Outline dimension	983 (W) x 576 (H) x 51 (D) with inverter			mm	
3	Number of Pixels	1920 (H) x 1080(V)				1Pixel=3RGB Cells
4	Cell pitch	484.5um (H) x 484.5um (V)			um	G cell
5	Color arrangement	RGB stripe arrangement				
6	Weight(net)		13		Kg	Net 1EA

9-3. General specifications-37LB5DF (37LF65): LC370WU1-SL01

No	Item	Min	Typ	Max	Unit	Remark
1	Display area	819.36 (H) * 460.89 (V)			mm	
2	Outline dimension	877 (W) x 516.8 (H) x 55.5 (D) with inverter			mm	
3	Number of Pixels	1920 (H) x 1080(V)				1Pixel=3RGB Cells
4	Cell pitch	426.75um (H) x 426.75um (V)			um	G cell
5	Color arrangement	RGB stripe arrangement				
6	Weight(net)		10.5		Kg	Net 1EA

9-4. General specifications-47LY3DF (47LY95): LC470WU4-SLC1

No	Item	Min	Typ	Max	Unit	Remark
1	Display area	1039.68(H) * 584.82(V)			mm	
2	Outline dimension	1096 (W) x 640 (H) x 51(D) with inverter			mm	
3	Number of Pixels	1920 (H) x 1080(V)				1Pixel=3RGB Cells
4	Cell pitch	541.5um (H) x 541.5um (V)			um	G cell
5	Color arrangement	RGB stripe arrangement				
6	Weight(net)		16.5		Kg	Net 1EA

9-5. General specifications-42LY3DF (42LY95): LC420WU2-SLC1

No	Item	Min	Typ	Max	Unit	Remark
1	Display area	930.24(H) * 523.26(V)mm				
2	Outline dimension	983(W) x 576 (H) x 51(D) with inverter			mm	
3	Number of Pixels	1920 (H) x 1080(V)				1Pixel=3RGB Cells
4	Cell pitch	484.5um (H) x 484.5um (V)			um	G cell
5	Color arrangement	RGB stripe arrangement				
6	Weight(net)		13		Kg	Net 1EA

10. Mechanical specification

10-1. 47LB5DF (47LF65)

No	Item		Content			Remark
1	Product Dimension		Width (W)	Length (D)	Height (H)	
		Before Packing	1144.5	331	825.6	With Stand
		After Packing	1230	410	912	
2	Product Weight	Only SET	37.46 kg			With Stand
		With BOX	44.7 kg			

10-2. 42LB5DF (42LF65)

No	Item		Content			Remark
1	Product Dimension		Width (W)	Length (D)	Height (H)	
		Before Packing	1033.1	300	750	With Stand
		After Packing	1119	374	858	With Stand
2	Product Weight	Only SET	27.5Kg			With Stand
		With BOX	32.5Kg			

10-3. 37LB5DF (37LF65)

No	Item		Content			Remark
1	Product Dimension		Width (W)	Length (D)	Height (H)	
		Before Packing	1113.3	294.3	722.5	With Stand
		After Packing	1191	378	835	With Stand
2	Product Weight	Only SET	30.1Kg			With Stand
		With BOX	34.6Kg			

10-4. 47LY3DF (47LY95)

No	Item		Content			Remark
1	Product Dimension		Width (W)	Length (D)	Height (H)	
		Before Packing	1236.8	325.6	795.5	With Stand
		After Packing	1331	409	888	With Stand
2	Product Weight	Only SET	39.5Kg			With Stand
		With BOX	44.6Kg			

10-5. 42LY3DF (42LY95)

No	Item		Content			Remark
1	Product Dimension		Width (W)	Length (D)	Height (H)	
		Before Packing	1113.3	294.3	722.5	With Stand
		After Packing	1191	378	835	With Stand
2	Product Weight	Only SET	30.1Kg			With Stand
		With BOX	34.6Kg			

10-6. 37LY3DF (37LY95)

No	Item		Content			Remark
1	Product Dimension		Width (W)	Length (D)	Height (H)	
		Before Packing	1005	267	653	With Stand
		After Packing	1080	241	828	With Stand
2	Product Weight	Only SET	23.0Kg			With Stand
		With BOX	28.3Kg			

ADJUSTMENT INSTRUCTION

1. Application Range

This spec. sheet is applied to all of the LD75A chassis manufactured at LG TV Plant all over the world.
Ex.) LD75A : 37/42/47LB5DF-ZC, 37/42/47LY3DF-ZA

2. Specification

1.1 Because this is not a hot chassis, it is not necessary to use an isolation transformer.
However, the use of isolation transformer will help to protect test instruments.

1.2 Adjustment must be done in the correct sequence.

1.3 The adjustment must be performed at 25°æ5∞C temperature and 65°æ10% relative humidity if there is no specified designation.

1.4 The input voltage of the receiver must be kept between 100~220V, 50/60Hz.

1.5 Before adjustment, execute Heat-Run for 30 minutes at RF no signal.

3. Channel Recover

* Use Channel Recover of System Control3 of Service Menu. You can load The Channel Map In LGEMA and LGEWR

1) Press ADJ key on Service Remote Control. And then Choice System Control3.
2) Choice Channel Recover.
3) Press "▶" key. You can See "OK" letter. And Then The Set power off automatically.
3) After Turn on the SET. You can confirm The Channel map on Programme Edit OSD.
Warning … If you press IN-STOP key, The channel map will disappear.

4. EDID

***** When do Set Assembly, EDID data must scan in DDC line.

Caution

* Use the proper signal cable for EDID Download
  - Analog EDID : Pin3 exists
  - Digital EDID : Pin3 exists
* Caution: - Never connect HDMI & D-sub Cable at the same time.
  - Use the proper cables below for EDID Writing.

4.1. EDID Data

Item	Condition	Hex(16) Data
Manufacturer ID	GSM	1E6D
Version	Digital : 1	01
Revision	Digital : 3	03

4.2. Data (Refer to Product specification)

1> ANALOG (128Bytes)

	00	01	02	03	04	05	06	07	08	09	0A	0B	0C	0D	0E	0F
00	00	FF	FF	FF	FF	FF	FF	00	1E	6D	ⓐ			ⓑ		
01	ⓒ		01	03	01	46	27	78	EA	D9	B0	A3	57	49	9C	25
02	11	49	4B	A5	6E	80	31	40	45	40	61	40	D1	C0	01	01
03	01	01	01	01	01	01	1B	21	50	A0	51	00	1E	30	48	88
04	35	00	BC	88	21	00	00	1C	4E	1F	00	80	51	00	1E	30
05	35	00	BC	88	21	00	00	1C	4E	1F	00	80	51	00	1E	30
06	4B	1F	3D	09	00	0A	20	20	20	20	20	20	ⓓ			
07	ⓓ														00	ⓔ

2> HDMI (256Bytes)

00	01	02	03	04	05	06	07	08	09	0A	0B	0C	0D	0E	0F	
00	00	FF	FF	FF	FF	FF	FF	00	1E	6D	ⓐ		ⓑ			
01	ⓒ		01	03	80	46	27	78	EA	D9	B0	A3	57	49	9C	25
02	11	49	4B	00	00	00	01	01	01	01	01	01	01	01	01	01
03	01	01	01	01	01	01	8C	0A	D0	8A	20	E0	2D	10	10	3E
04	96	00	C4	8E	21	00	00	18	8C	0A	D0	90	20	40	31	20
05	0C	40	55	00	C4	8E	21	00	00	18	ⓓ					
06	ⓓ												00	00	00	FD
07	00	38	4B	1F	3D	09	00	0A	20	20	20	20	20	20	01	ⓖ
00	02	03	1E	F1	4B	82	11	01	03	12	13	04	14	05	1F	10
01	20	21	22	23	09	07	07	83	01	00	00	65	03	0C	00	10
02	00	01	1D	00	BC	52	D0	1E	20	B8	28	55	40	C4	8E	21
03	00	00	1E	01	1D	00	72	51	D0	1E	20	6E	28	55	00	C4
04	8E	21	00	00	1E	01	1D	80	D0	72	1C	16	20	10	2C	25
05	80	C4	8E	21	00	00	9E	01	1D	80	18	71	1C	16	20	58
06	2C	25	00	C4	8E	21	00	00	9E	8C	0A	D0	90	20	40	31
07	20	0C	40	55	00	13	8E	21	00	00	18	00	00	00	00	CA

* Detail EDID Options are below (ⓐ, ⓑ, ⓒ, ⓓ, ⓔ)

ⓐ Product ID

Model Name	Product ID	Product ID		
		DEC	Hex	EDID Table
37/42/47LF65	XXXX	XX	XX	XXXX
37/42/47LY95	XXXX	XX	XX	XXXX

ⓒ Month, Year : Controlled on production line:
ex) Monthly : '09' -> '09'
Year : '2006' -> '10'

ⓓ Model Name(Hex) :

Model Name	Model Name(Hex)
37/42/47LF65	XXXX
37/42/47LY95	XXXX

ⓔ Checksum : Changeable by total EDID data.

* Before AV ADC Calibration, should be executed the Tool Option setting.

5. Method of Tool Option setting

5.1. Press ADJ Key in the Adjust remocon.

5.2. Select "Tool Option1 and 2" by using ▲▼(CH+/-) key, and Press Number Key.

5.3. Model Table.

Model name	Tool Option1	Tool Option2
37LF65	2320	1701
42LF65	2324	1701
47LF65	2328	1701
37LY95	2384	1701
42LY95	2391	1701
47LY95	2395	1701

5.4. After changing, push the EXIT Key.

6. ADC Calibration

* Before adjusting White-balance , the AV ADC should be done.

ADC	AV		Component	RGB-PC
MSPG925FS	PAL		Model:215 (720P)	
	INPUT SELECT	AV3	Pattern:65	Model: 3
	Model:202(PAL-BGDHI)		*720P/50Hz	(1024*768 60Hz)
			7 Color Bar	Pattern: 65
	Pattern: 65			
	*PAL 7 Color Bar			

* Caution : - System control RS-232 Host should be "PC" for adjustment.
- Before AV ADC Calibration, execute the "Panel size selection" (only LCD model)

6.1. Adjustment of AV

- Mandatory point : All models are adjusted PAL in AV mode

* Required Equipments

■ Remote controller for adjustment.

■ MSPG-925FS Pattern Generator (Which has Video Signal: 7 Color Bar Pattern shown in Fig. 1).
- Model : 202 / Pattern : 65
PAL-BGDHI (composite signal)

6.1.1 Method of Auto AV Color Balance(PAL_BGDHI).

1) Input the Video Signal: 7 Color Bar signal into AV3.
2) Set the PSM to Dynamic mode in the Picture menu.

[Fig.1]

3) Press IN-START key on R/C for adjustment.

4) Press the ▶(Vol.+) key to operate the set, then it becomes automatically.
5) After downloading complete, the 'OK' word appears.
6) Auto-RGB OK means the adjustment is completed.

6.2. Adjustment of Component

* Required Equipments

■ Remote controller for adjustment.

■ MSPG-925FS Pattern Generator. (Which has 720p/50Hz YPbPr output Pattern shown in Fig. 2)
-> Model : 215 / Pattern : 65

6.2.1 Method of Auto Component Color Balance

1) Input the Component 720p/50Hz 7 Color Bar(MSPG-925FS model:215, pattern:65) signal into Component.
2) Set the PSM to Dynamic mode in the Picture menu.

[Fig.2]

3) Press the IN-START key on R/C for adjustment.

4) Press the ▶(Vol.+) key to operate the set , then it becomes automatically.
5) After downloading complete, the 'OK' word appears.
6) Auto-RGB OK means the adjustment is completed.

6.3. Adjustment of RGB

* Required Equipments

■ Remote controller for adjustment.

■ MSPG-925FS Pattern Generator
(Which has XGA [1024*768] 60Hz 1/2 black & white pattern shown in Fig. 3)

6.3.1 Method of Auto RGB Color Balance

1) Input the PC 1024x768 @ 60Hz 1/2 black & white pattern (MSPG-925FS, Model:3, Pattern:65) into RGB. (using D-sub to D-sub cable)
2) Set the PSM to Dynamic mode in the Picture menu.

3) Press the IN-START key on R/C for adjustment.

[Fig.3]

4) Press the ▶(Vol.+) key to operate the set , then it becomes automatically.

5) After downloading complete, the 'OK' word appears.
6) Auto-RGB OK means adjustment is completed.

7. White Balance

* Test Equipment

■ Color Analyzer (CA-210, CA-100+ / CH.9)

-> When you adjust LCD color temperature, on Color analyzer (CA-210, CA-100+), you should use Channel 9 which is Matrix compensated (White, Red, Green, Blue revised) by CS-1000 and adjust in accordance with White balance adjustment coordinate which is specified on the next.

* Color temperature standards according to CSM and Module.

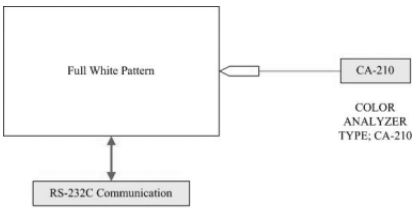
CSM	LCD
Cool	11,000k
Medium	9,300k
Warm	6,500k

* White balance adjustment coordinate and color temperature.

Cool	CS-1000	CA-210 (CH 9)	CA-100+ (CH 9)
X	0.276±0.002	0.276±0.002	0.276±0.002
Y	0.283±0.002	0.283±0.002	0.283±0.002
Temp	11000	1000	11000
△uv	0.000	0.000	0.000
Medium	CS-1000	CS-1000	CS-1000
X	0.285±0.002	0.285±0.002	0.285±0.002
Y	0.293±0.002	0.293±0.002	0.293±0.002
Temp	9300	9300	9300
△uv	0.000	0.000	0.000
Warm	CS-1000	CS-1000	CS-1000
X	0.313±0.002	0.313±0.002	0.313±0.002
Y	0.329±0.002	0.329±0.002	0.329±0.002
Temp	6500	6500	6500
Temp	0.003	0.003	0.003

■ PC (for communication through RS-232C) -> UART Baud rate : 115200 bps

* Connecting picture of the measuring instrument (On Automatic control)
Inside PATTERN is used when W/B is controlled. Connect to auto controller or push control R/C IN-START -> Enter the mode of White-Balance, the pattern will come out.



[Fig.4] connecting picture (On Automatic Control)

* Auto-control interface and directions

1) Adjust in the place where the influx of light like floodlight around is blocked. (illumination is less than 10ux).
2) In case of PDP: Measure and adjust after sticking the Color Analyzer (CA-100+, CA210) to the side of the module.
In case of LCD: Adhere closely the Color Analyzer (CA210) to the module less than 10cm distance, keep it with the surface of the Module and Color Analyzer's Prove vertically.(80~100°).
3) Aging time
- After aging start, keep the power on (no suspension of power supply) and heat-run over 15 minutes.
- In case of PDP, keep white pattern using inside pattern.
- In case of LCD, using 'no signal' or 'full white pattern' or the others, check the back light on.

7.1 Auto white Balance

1) setup is done.
2) Test Equipment
Color Analyzer (CA210, CA-100+)
PC (for communication through RS-232C)
RS-232 Host Ë PC
UART Baud rate Ë 115200
Download Ë Cortez
*** When press Power-on key, this point is automatically setuped. Pattern Generator (MSPG-925F)

7.2 Manual white Balance

* One of R Gain / G Gain / B Gain should be kept on 80, and others are controlled lowering from 80

1) Press "power on°" of the control R/C, set heat run to white by pressing ▶, and heat run over 15 minutes
(Set : RS-233 Host : PC, Baud Rate : 115200bps, Download: Cortez).
2) Zero Calibrate CA-100+, and when controlling, stick the sensor to the center of LCD module surface.
3) Double click In-start key on Controlling R/C and get in 'white balance'.
4) Set test-pattern on and display inside pattern. Control is carried out on three color temperature, COOL, MEDIUM, WARM. (Control is carried out three times,)

5) When the R/G/B GAIN is 80 on OSD, it is the FULL DYNAMIC Range of the Module. In order to control white balance without the saturation of FULL DYNAMIC Range and DATA, one of R Gain / G Gain / B Gain should be kept on 80, and other two is controlled lowering from 80.

* Color Temperature: Cool, Medium, Warm

1. When R GAIN is set to 80
   - Control G GAIN and B GAIN by lowering from 80.
2. When B GAIN is set to 80
   - Control R GAIN and G GAIN by lowering from 80.
3. When G GAIN is set to 80
   - Control R GAIN and B GAIN by lowering from 192.

   One of R Gain / G Gain / B Gain should be kept on 80, and adjust other two lower than 80.

   (When R/G/B GAIN are all 80, it is the FULL DYNAMIC Range of Module)

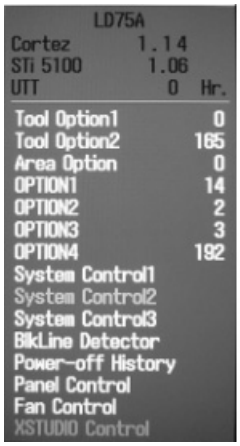
8. Set Information(Serial No & Model name)

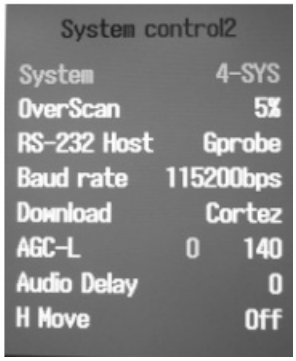
1) Setting up like bottom figure(After setting white balance, this is set)

   (Setting: Press ADJ Key in the Adjust remocon.

   Select "System Control 2" by using ▲/▼ (CH+/-) key, and press ■ (ENTER)

   Using Adjust remocon, RS-232 Host & Baud Rate & Download value change)





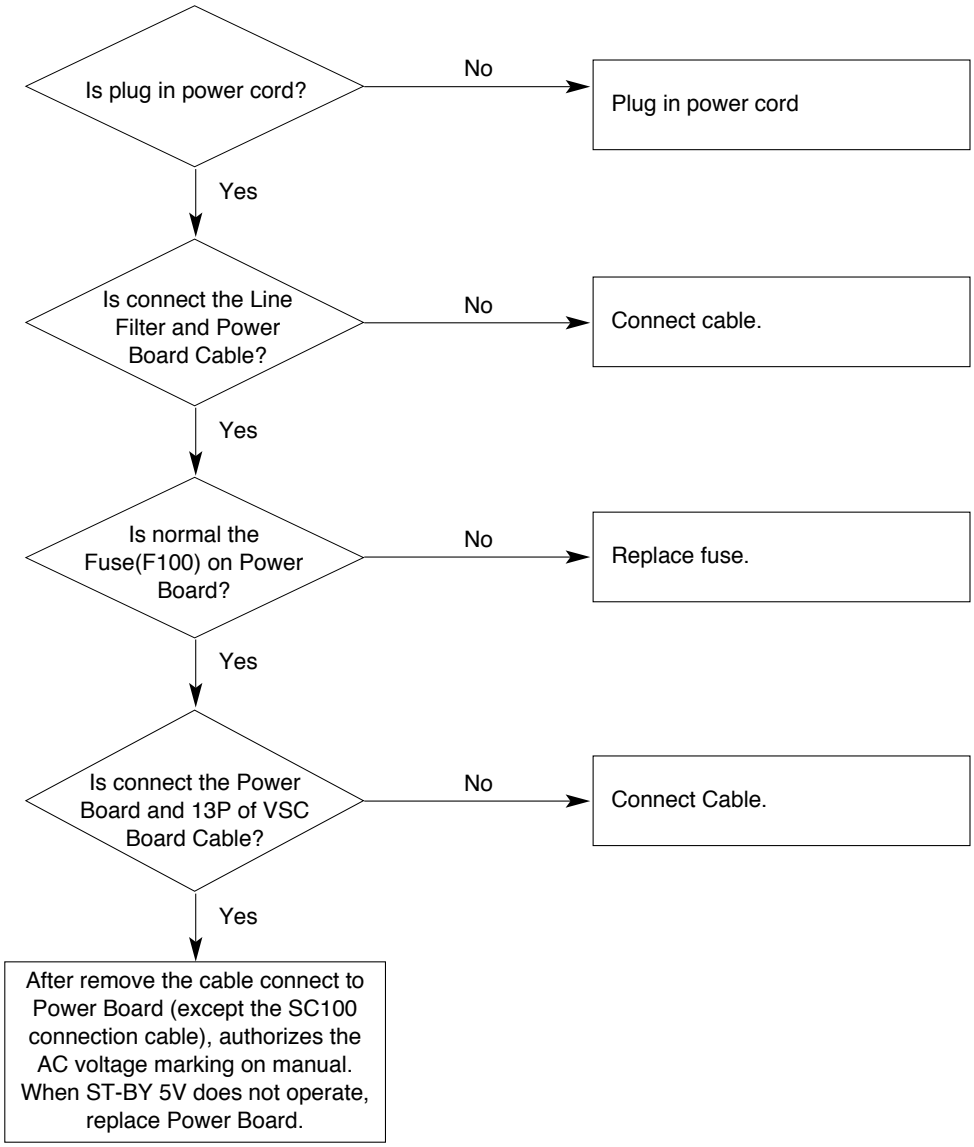
TROUBLESHOOTING

1. No power

(1) Symptom

1) Doesn't minute discharge at module.
2) Non does not come in into the front LED.

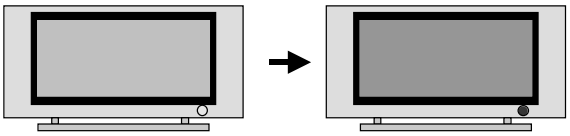
(2) Check follow



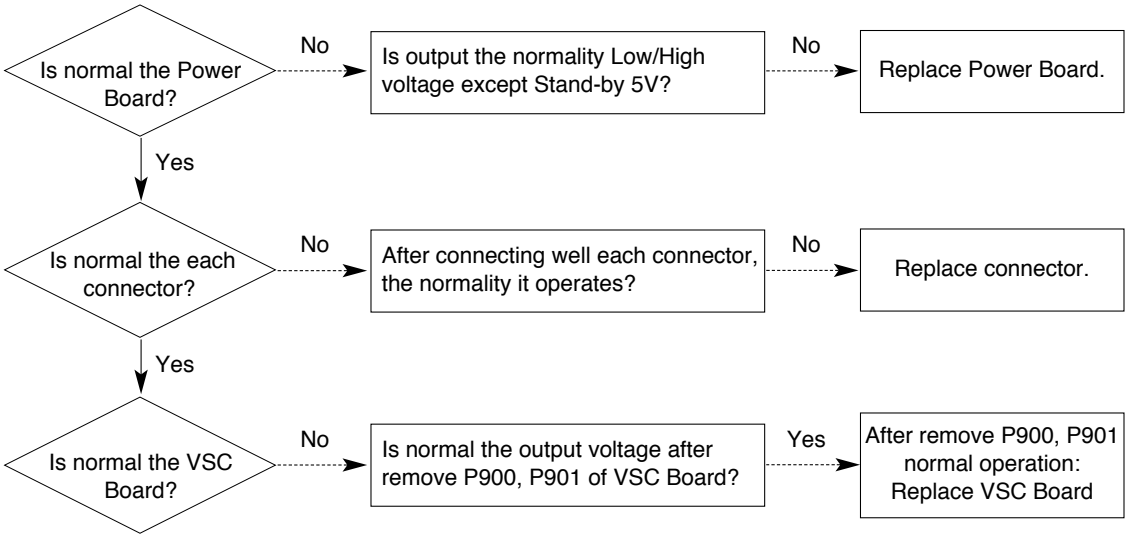
2. Protect mode

(1) Symptom

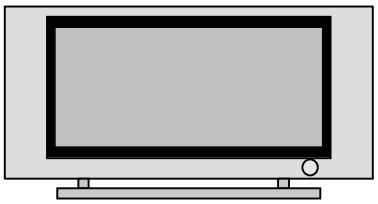
1) After once shining, it does not discharge minutely from module.
2) The relay falls.(The sound is audible “Click”.)
3) It is converted with the color where the front LED is red from green.



(2) Check follow



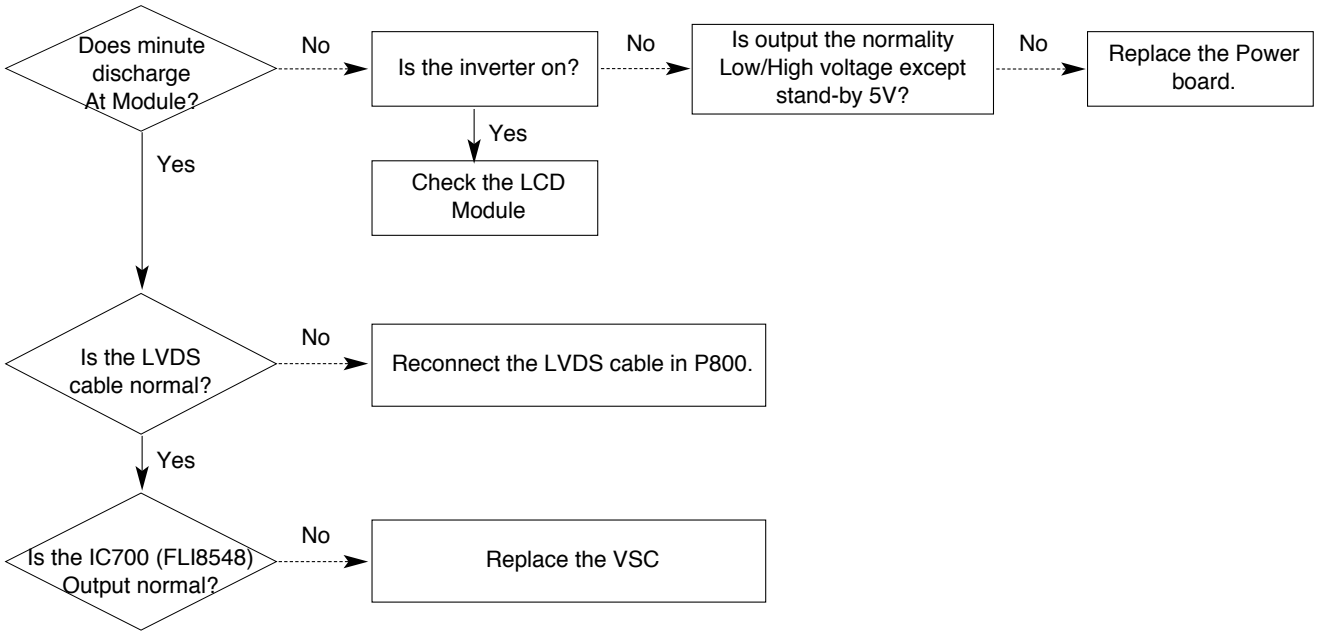
3. No Raster



(1) Symptom

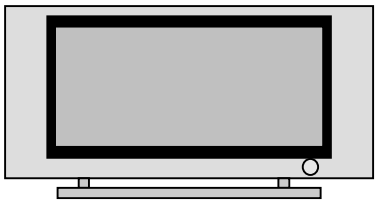
1) No OSD and image occur at screen.
2) It maintains the condition where the front LED is green

(2) Check follow



4. In case of occur strange screen into specific mode

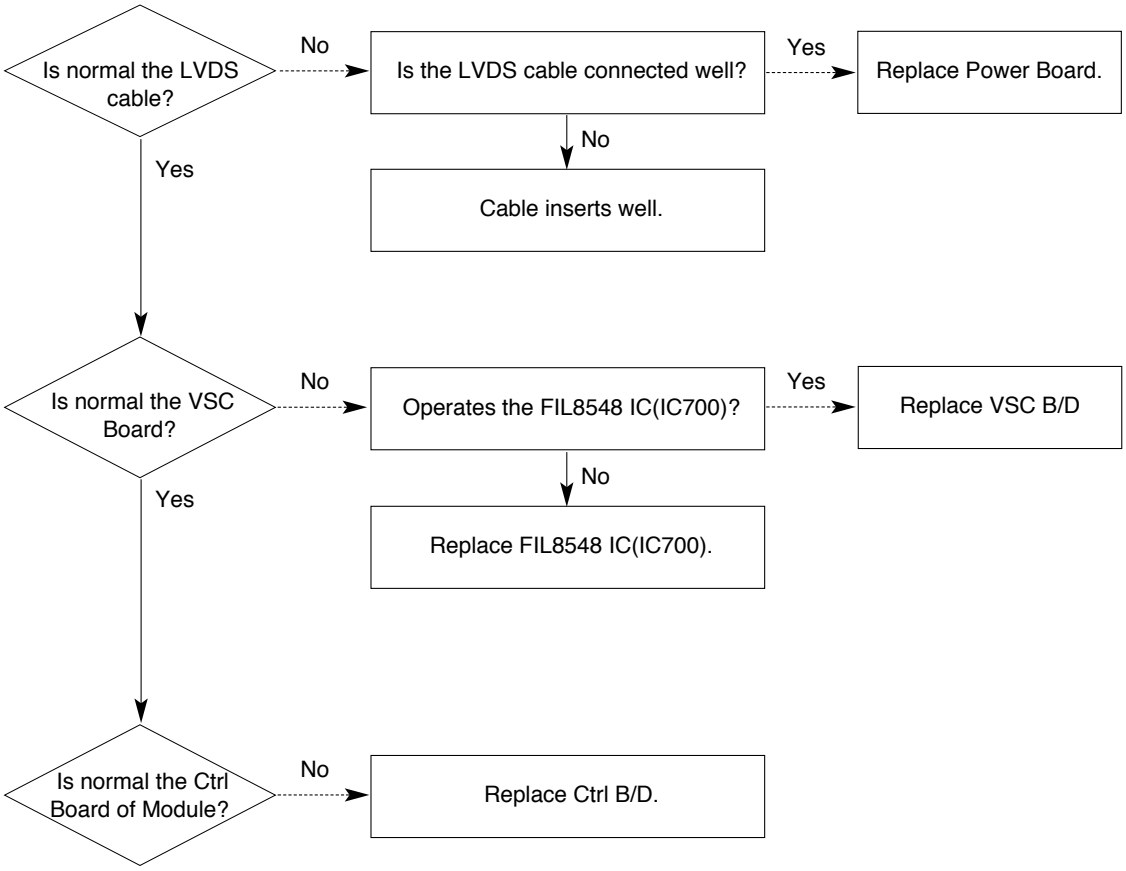
1) In case of does't display the OSD



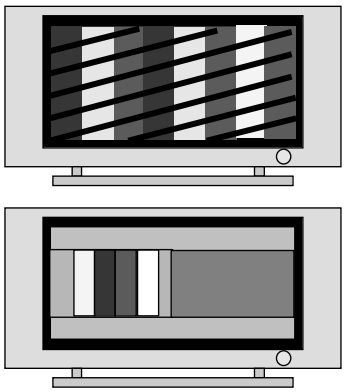
(1) Symptom

1) LED is green.
2) The minute discharge continuously becomes accomplished from module

(2) Check follow



2) In case of does't display the screen into specific mode



(1) Symptom

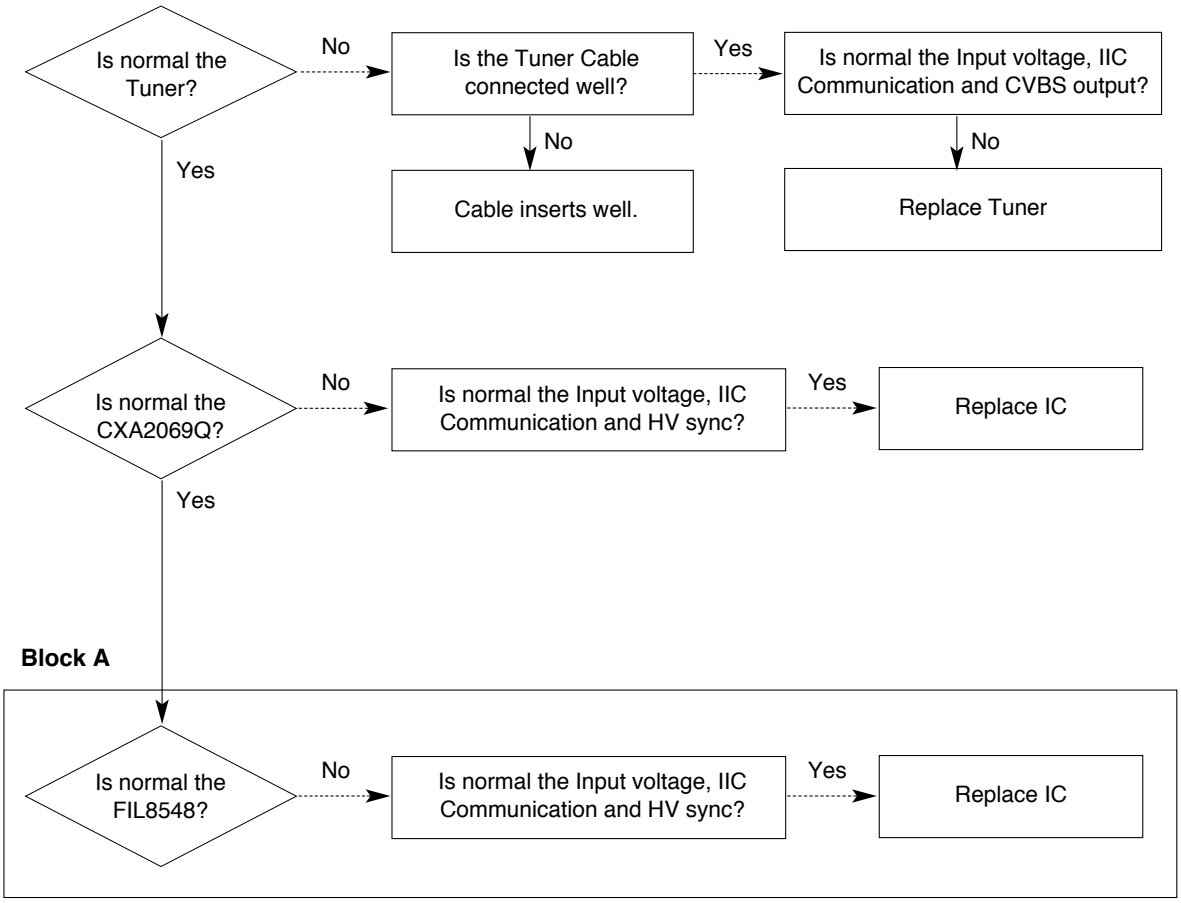
- The screen does not become the display from specific input mode (RF, AV, Component, RGB, DVI).

(2) Check follow

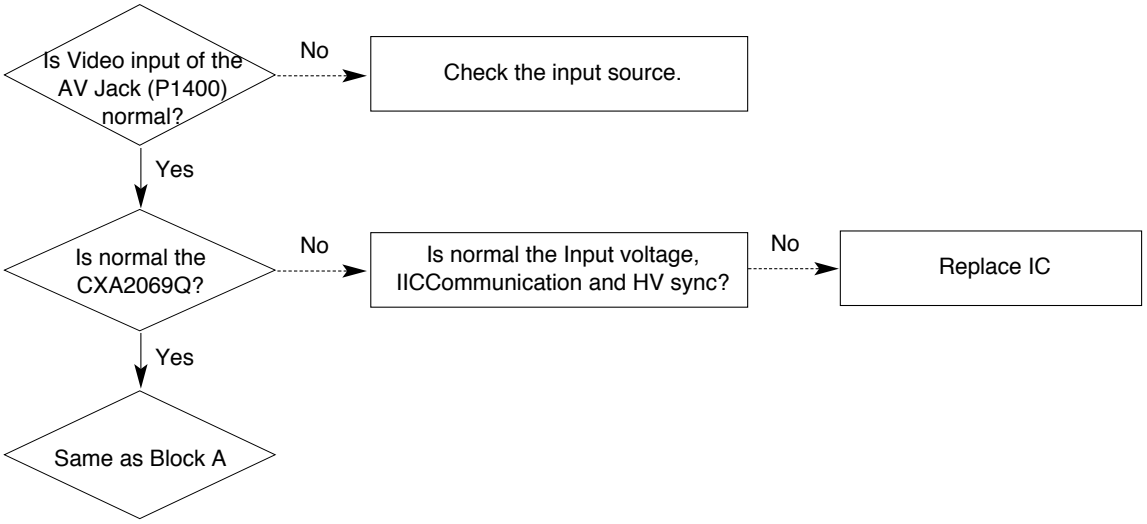
(1) Check the all input mode should become normality display.

(1) Check the Video(Main)/Data(Sub), Video(Main)/Video(Sub) should become normality display from the PIP mode or DW mode. (Re-Check it Swap)

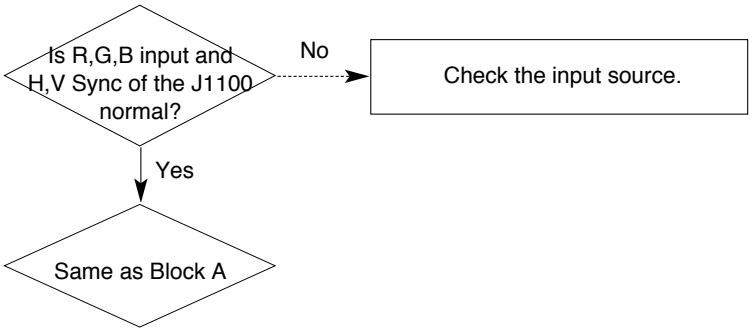
(3) In case of becomes unusual display from RF mode



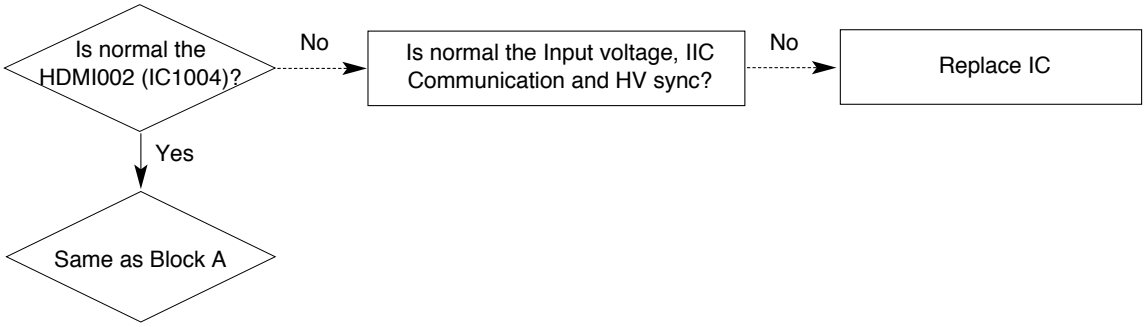
(4) In the case of becomes unusual display from side S-video/AV mode



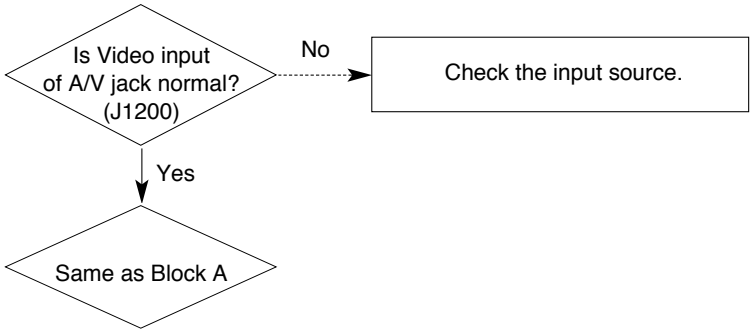
(5) In the case of becomes unusual display from Component, RGB mode



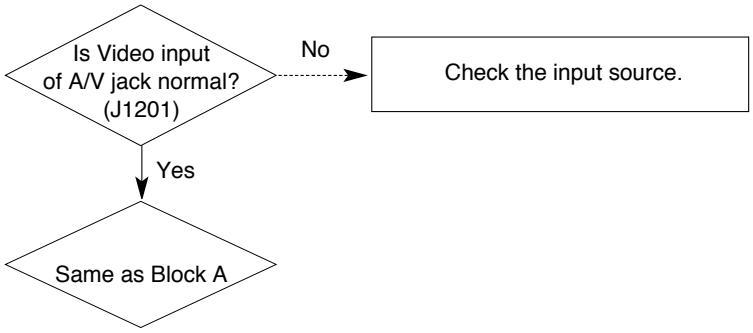
(6) In the case of becomes unusual display from HDMI mode



(7) In the case of becomes unusual display from SCART1 mode



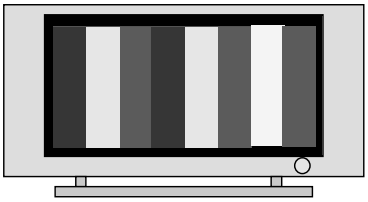
(8) In the case of becomes unusual display from SCART2 mode



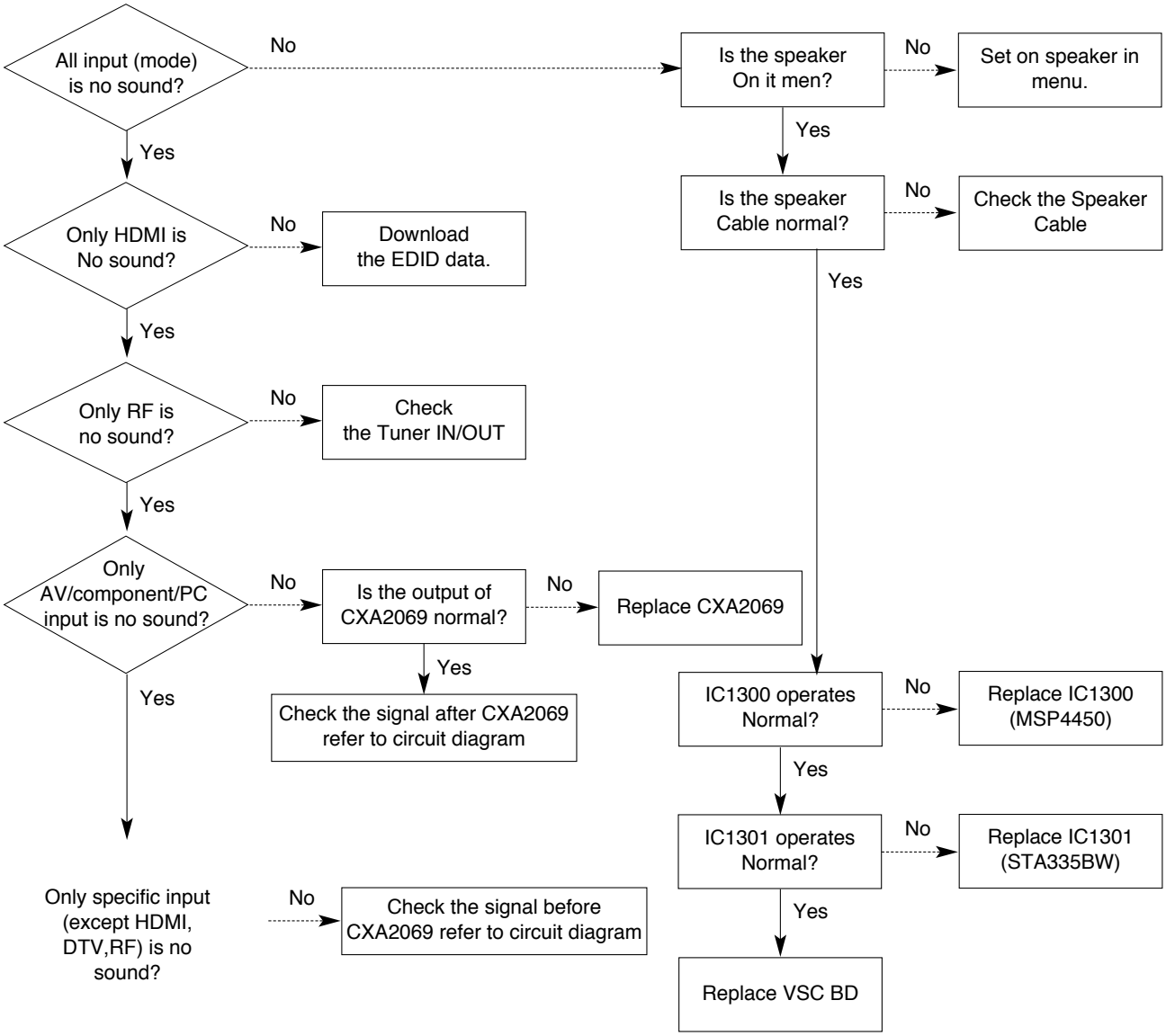
5. In case of no sound

(1) Symptom

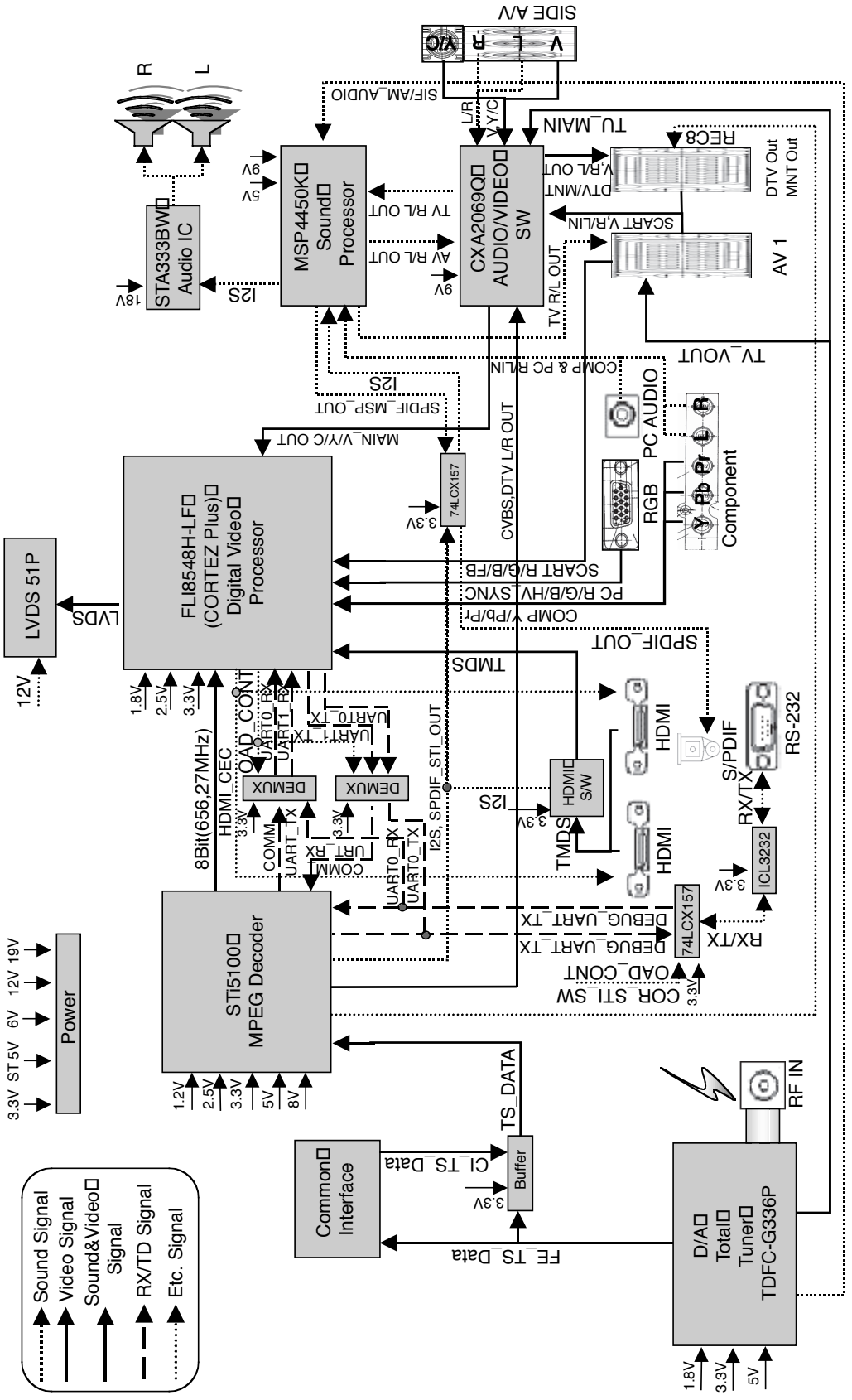
1) LED is green.
2) Screen display but sound is not output



(2) Check follow

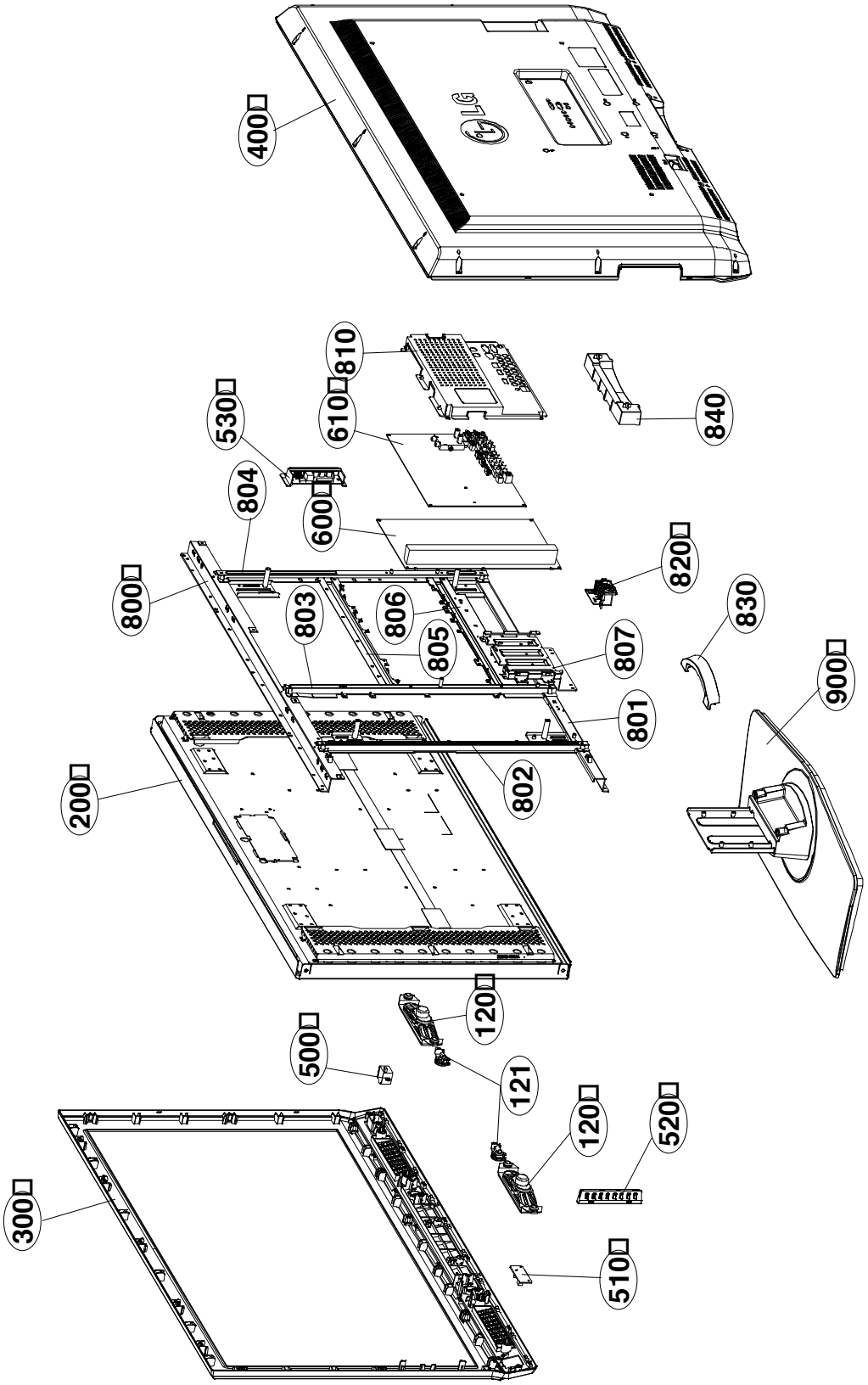


BLOCK DIAGRAM



MEMO

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	EAJ37267701	LCD,Module-TFT, LC420WU2-SLB2 FULLHD 42.0INCH 1920X1080 550CD COLOR 72% 16/9 800:1(DCR 5000:1) A-TW Pol. 10000K P7 LG PHILIPS LCD
⚠	300	ABJ32247703	Cabinet Assembly, 42LB51DF-ZA LD75A 42" EUROPASS3_DVB
⚠	400	ACQ32247905	Cover Assembly, 42LC7D-ZA EUROPASS3(LD73A) 42" EUROPASS3, BACK COVER ASSY_NON_DVR_EURO(DTV)
	500	6500VR0003E	Sensor,Ambient Light, YGCA-T071C 12 HOUSING BK 26.4X20X26.4mm VOUT 5V(AT 80LUX) LG INNOTEK CO., LTD
	510	EBR36626101	PCB Assembly,Sub, SUB T.T LD75A 47LB5DF-ZC - PRE_AMP TOTAL
	520	EBR35599601	PCB Assembly,Sub, SUB T.T LD75A 47LB5DF - CONTROL KEY TOTAL
	530	EBR35590501	PCB Assembly,Sub, SUB T.T LD75A 47LB5DF - SIDE_AV TOTAL
⚠	600	EAY32731102	SMPS,AC/DC, FSP286-6F02 90VTO264V 285W 50/60 UL/CSA/VDE/CB etc.... LCD 42inch PSU(SPI) - without metal shield model SPI ELECTRONIC CO.,LTD
	800	MGJ32902301	Plate, PRESS EGI 1.2 FRAME SBHG-A 42LY3 METAL BAR TOP FOR LPL MODULE
	801	MGJ32902403	Plate, PRESS EGI 1.6 FRAME SBHG-A 42LC4 METAL BAR BOTTOM ('c'ƒŒ pem-nut 'NO') FOR LPL MODULE
	802	MGJ32902502	Plate, PRESS EGI 1.2 FRAME SBHG-A 42LC4 METAL BAR RIGHT
	803	MGJ32902703	Plate, PRESS EGI 1.2 FRAME SBHG-A 42LC4 METAL BAR CENTER('c'ƒŒ pem nut 'NO') LPL normal module
	804	MGJ32902602	Plate, PRESS EGI 1.2 FRAME SBHG-A 42LC4 metal bar left ('c'ƒŒ pem-nut 'NO')
	805	MGJ32902803	Plate, PRESS EGI 1.2 FRAME SBHG-A METAL BAR SIDE TOP FOR Europass3
	806	MGJ32902903	Plate, PRESS EGI 1.2 FRAME SBHG-A METAL BAR SIDE BOTTOM FOR Europass3
	807	MJH34000501	Supporter, PRESS EGI 2 GUIDE EGI 42LC4 METAL STAND SUPPORTER
	810	MJH32521102	Supporter, PRESS EGI 0.5t GUIDE EGI METAL, REAR SHIELD (47LB5DF-ZA)
	820	EBR36524801	PCB Assembly,Sub, SUB T.T LA71A 42LY3DR-NA AKRLLH AC-Inlet Ass'y Total
	830	MCK32929601	Cover, MOLD ABS HF-380 42LC4 ABS, HF-380 CABLE MANAGEMENT
	840	MAZ34241801	Bracket, MOLD HIPS 405AF STAND 42LC5/7 - HIPS 405AF GUIDE
⚠	900	AAN33050302	Base Assembly, STAND 42LB5DF-UC LA73A EV3, FHD 42LB5DF-UC STAND ASSY_NO PRINT(HIGH GLOSSY ROUND TYPE)

REPLACEMENT PARTS LIST

DATE: 2007. 04. 19.

LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
		ACCESSORY
A1	MFL36914902	"Manual,OwnersPRINTING USER PD75A"
A2	MKJ32022835	Remote ControllerCOMPLEX LD75A 4
A3	6410TEW010A	"Power CordCEE,LP-34A&H05VV-FX3C,"
A4	3840TWL027F	CardPRINTING WARRANTY LG EU/RUSS
A5	3840VA0024D	CardPRINTING WARRANTY LG UK EXTE
A6	6910VA1001A	"Battery,AlkalineLR6(STC) 1.5V 2."
A7	MBM30520909	CardPRINTING OTHERS LG 60PY3DF-Z
A8	SAC30033608	Title60PY3DF-ZA CD MANUAL PDP DT
		CAPACITORs
C1	0CH3104K566	0805B104K500CT 100nF 10% 50V X7R
C100	0CC101CK41A	C1608C0G1H101JT 100pF 5% 50V C0G
C100	0CC470CK41A	C1608C0G1H470JT 47pF 5% 50V C0G
C100	0CC101CK41A	C1608C0G1H101JT 100pF 5% 50V C0G
C1003	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R
C1004	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R
C1005	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R
C1006	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R
C1007	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C1008	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C1009	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C101	0CE107SF6DC	VMV107M016S0ANE010 100uF 20% 16V
C101	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C101	0CC101CK41A	C1608C0G1H101JT 100pF 5% 50V C0G
C101	0CK103BH56A	C1005X7R1E103KT- 10nF 10% 25V X7
C1010	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C102	0CE106WFKDC	MVK4.0TP16VC10M 10uF 20% 16V 16M
C102	0CE107SF6DC	VMV107M016S0ANE010 100uF 20% 16V
C102	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C103	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R
C103	0CC470CK41A	C1608C0G1H470JT 47pF 5% 50V C0G
C104	0CK105CD56A	C1608X7R1A105KT 1uF 10% 10V X7R
C105	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R
C106	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R
C1068	0CE107WF6DC	MVK6.3TP16VC100M 100uF 20% 16V 8
C107	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R
C108	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R
C109	0CK105CD56A	C1608X7R1A105KT 1uF 10% 10V X7R
C110	0CE106WFKDC	MVK4.0TP16VC10M 10uF 20% 16V 16M
C1100	0CC100CK41A	C1608C0G1H100JT 10pF 5% 50V C0G
C1101	0CC100CK41A	C1608C0G1H100JT 10pF 5% 50V C0G
C1104	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R
C1105	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R
C1106	0CC120CK41A	C1608C0G1H120JT 12pF 5% 50V C0G
C1108	0CC120CK41A	C1608C0G1H120JT 12pF 5% 50V C0G
C1109	0CK4R7CKFDA	0603N4R7J500LT 4.7pF 5% 50V C0G
C111	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R
C1110	0CK4R7CKFDA	0603N4R7J500LT 4.7pF 5% 50V C0G

LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
C1111	0CK4R7CKFDA	0603N4R7J500LT 4.7pF 5% 50V C0G
C1116	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C1119	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C112	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R
C1120	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C1121	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C1123	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C1125	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C1128	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C113	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R
C1132	0CC681CK41A	C1608C0G1H681JT 680pF 5% 50V C0G
C1133	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C1134	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C1135	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C1136	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C114	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R
C115	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R
C116	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R
C117	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R
C118	0CE106WFKDC	MVK4.0TP16VC10M 10uF 20% 16V 16M
C119	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R
C120	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R
C1204	0CC221CK41A	C1608C0G1H221JT 220pF 5% 50V C0G
C1205	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R
C1206	0CK102CK56A	0603B102K500CT 1nF 10% 50V X7R -
C1207	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R
C1208	0CK102CK56A	0603B102K500CT 1nF 10% 50V X7R -
C1209	0CC221CK41A	C1608C0G1H221JT 220pF 5% 50V C0G
C121	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R
C1210	0CC221CK41A	C1608C0G1H221JT 220pF 5% 50V C0G
C1211	0CC331CK41A	C1608C0G1H331JT 330pF 5% 50V C0G
C1215	0CC331CK41A	C1608C0G1H331JT 330pF 5% 50V C0G
C1216	0CC331CK41A	C1608C0G1H331JT 330pF 5% 50V C0G
C1217	0CE106WH6DC	MVK5.0TP25VC10M 10uF 20% 25V 25M
C122	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R
C1225	0CE106WH6DC	MVK5.0TP25VC10M 10uF 20% 25V 25M
C123	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R
C1232	0CE107WF6DC	MVK6.3TP16VC100M 100uF 20% 16V 8
C1234	0CK102CK56A	0603B102K500CT 1nF 10% 50V X7R -
C1235	0CK102CK56A	0603B102K500CT 1nF 10% 50V X7R -
C1236	0CE106WH6DC	MVK5.0TP25VC10M 10uF 20% 25V 25M
C1237	0CE106WH6DC	MVK5.0TP25VC10M 10uF 20% 25V 25M
C1239	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C124	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R
C1244	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R
C1246	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R
C1247	0CE107WF6DC	MVK6.3TP16VC100M 100uF 20% 16V 8
C125	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R
C126	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R
C127	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R

LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
C128	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R
C129	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R
C130	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R
C1300	0CK105DH56A	C2012X7R105KFT 1uF 10% 25V X7R -
C1301	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C1302	0CE108EH618	KMG5.0TP25VB1000M 1000uF 20% 25V
C1303	0CK105DH56A	C2012X7R105KFT 1uF 10% 25V X7R -
C1304	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C1305	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C1306	0CK222CK56A	0603B222K500CT 2.2nF 10% 50V X7R
C1307	0CK682CK51A	C1608Y5P1H682KT 6.8nF 10% 50V Y5
C1308	0CK682CK51A	C1608Y5P1H682KT 6.8nF 10% 50V Y5
C1309	0CE475WK6DC	MVK5.0TP50VC4.7M 4.7uF 20% 50V 1
C131	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R
C1310	0CE475WK6DC	MVK5.0TP50VC4.7M 4.7uF 20% 50V 1
C1311	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C1312	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R
C1313	0CE226WF6DC	MVK5.0TP16VC22M 22uF 20% 16V 30M
C1314	0CC030CK01A	0603N3R0C500LT 3pF 0.25PF 50V C0
C1315	0CC030CK01A	0603N3R0C500LT 3pF 0.25PF 50V C0
C1316	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C1317	0CC560CK41A	C1608C0G1H560JT 56pF 5% 50V C0G
C1318	0CC560CK41A	C1608C0G1H560JT 56pF 5% 50V C0G
C1319	0CE335WK6D8	MVK4.0TP50VC3.3M 3.3uF 20% 50V 1
C132	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R
C1320	0CK474CH94A	0603F474Z250CT 470nF -20TO+80% 2
C1321	0CK474CH94A	0603F474Z250CT 470nF -20TO+80% 2
C1322	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R
C1325	0CE226WF6DC	MVK5.0TP16VC22M 22uF 20% 16V 30M
C1326	0CK474CH94A	0603F474Z250CT 470nF -20TO+80% 2
C1327	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C1329	0CK474CH94A	0603F474Z250CT 470nF -20TO+80% 2
C133	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R
C1330	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R
C1332	0CK474CH94A	0603F474Z250CT 470nF -20TO+80% 2
C1333	0CC101CK41A	C1608C0G1H101JT 100pF 5% 50V C0G
C1335	0CK474CH94A	0603F474Z250CT 470nF -20TO+80% 2
C1338	0CK471CK56A	C1608X7R1H471KT 470pF 10% 50V X7
C134	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R
C1340	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R
C1341	0CE335WK6D8	MVK4.0TP50VC3.3M 3.3uF 20% 50V 1
C1342	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C1343	0CE107WF6DC	MVK6.3TP16VC100M 100uF 20% 16V 8
C1344	0CE106WH6DC	MVK5.0TP25VC10M 10uF 20% 25V 25M
C1345	0CE106WH6DC	MVK5.0TP25VC10M 10uF 20% 25V 25M
C1346	0CK474CH94A	0603F474Z250CT 470nF -20TO+80% 2
C1347	0CK474CH94A	0603F474Z250CT 470nF -20TO+80% 2
C135	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R
C1350	0CE106WFKDC	MVK4.0TP16VC10M 10uF 20% 16V 16M
C1351	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C1352	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C1353	0CK222CK56A	0603B222K500CT 2.2nF 10% 50V X7R
C1354	0CC102CK41A	C1608C0G1H102JT 1nF 5% 50V C0G -
C1355	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C1356	0CC101CK41A	C1608C0G1H101JT 100pF 5% 50V C0G

LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
C1357	0CC221CK41A	C1608C0G1H221JT 220pF 5% 50V C0G
C1358	0CH2122K516	0805B122K500CT 1.2nF 10% 50V Y5P
C1359	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C136	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R
C1360	0CC331CK41A	C1608C0G1H331JT 330pF 5% 50V C0G
C1361	0CC331CK41A	C1608C0G1H331JT 330pF 5% 50V C0G
C1362	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C1363	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C1364	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C1365	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C1366	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C1367	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C1368	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C1369	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C137	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R
C1370	0CF4741L430	PCMT365 76474 470nF 5% 63V MPE -
C1371	0CF4741L430	PCMT365 76474 470nF 5% 63V MPE -
C1373	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C138	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R
C139	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R
C140	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R
C1400	0CE475WK6DC	MVK5.0TP50VC4.7M 4.7uF 20% 50V 1
C1401	0CE475WK6DC	MVK5.0TP50VC4.7M 4.7uF 20% 50V 1
C1402	0CK682CK51A	C1608Y5P1H682KT 6.8nF 10% 50V Y5
C1403	0CK682CK51A	C1608Y5P1H682KT 6.8nF 10% 50V Y5
C1404	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R
C1407	0CE226WF6DC	MVK5.0TP16VC22M 22uF 20% 16V 30M
C1408	0CE107WF6DC	MVK6.3TP16VC100M 100uF 20% 16V 8
C1409	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R
C141	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R
C1410	0CE476WF6DC	MVK6.3TP16VC47M 47uF 20% 16V 80M
C1411	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R
C1412	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R
C1413	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R
C1418	0CK474CH94A	0603F474Z250CT 470nF -20TO+80% 2
C1419	0CK474CH94A	0603F474Z250CT 470nF -20TO+80% 2
C142	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R
C1420	0CK225DFK4A	C2012Y5V1C225MT 2.2uF 20% 16V Y5
C1421	0CC820CK41A	C1608C0G1H820JT 82pF 5% 50V C0G
C1422	0CK474CH94A	0603F474Z250CT 470nF -20TO+80% 2
C1423	0CK474CH94A	0603F474Z250CT 470nF -20TO+80% 2
C1426	0CK474CH94A	0603F474Z250CT 470nF -20TO+80% 2
C1428	0CK225DFK4A	C2012Y5V1C225MT 2.2uF 20% 16V Y5
C1429	0CK474CH94A	0603F474Z250CT 470nF -20TO+80% 2
C143	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R
C1439	0CK474CH94A	0603F474Z250CT 470nF -20TO+80% 2
C144	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R
C1440	0CK225DFK4A	C2012Y5V1C225MT 2.2uF 20% 16V Y5
C1441	0CK474CH94A	0603F474Z250CT 470nF -20TO+80% 2
C1442	0CK225DFK4A	C2012Y5V1C225MT 2.2uF 20% 16V Y5
C1444	0CK474CH94A	0603F474Z250CT 470nF -20TO+80% 2
C1445	0CK225DFK4A	C2012Y5V1C225MT 2.2uF 20% 16V Y5
C1447	0CK474CH94A	0603F474Z250CT 470nF -20TO+80% 2
C1448	0CK474CH94A	0603F474Z250CT 470nF -20TO+80% 2
C1449	0CK225DFK4A	C2012Y5V1C225MT 2.2uF 20% 16V Y5

LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
C145	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R
C1450	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R
C1451	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R
C1452	0CC150CK41A	C1608C0G1H150JT 15pF 5% 50V C0G
C1453	0CC150CK41A	C1608C0G1H150JT 15pF 5% 50V C0G
C146	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R
C147	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R
C148	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R
C149	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R
C150	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R
C151	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R
C152	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R
C153	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R
C154	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R
C155	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R
C156	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R
C157	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R
C158	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R
C159	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R
C160	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R
C161	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R
C162	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R
C163	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R
C164	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R
C165	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R
C166	0CK106EF56A	C3216X7R1C106KT 10uF 10% 16V X7R
C167	0CK106EF56A	C3216X7R1C106KT 10uF 10% 16V X7R
C168	0CK106EF56A	C3216X7R1C106KT 10uF 10% 16V X7R
C169	0CC100CK41A	C1608C0G1H100JT 10pF 5% 50V C0G
C170	0CC220CK41A	C1608C0G1H220JT 22pF 5% 50V C0G
C1700	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C1701	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C1702	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C1703	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C1704	0CK475CC94A	C1608Y5V0J475ZT 4.7uF -20TO+80%
C1705	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C1706	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C1707	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C1708	0CE226WF6DC	MVK5.0TP16VC22M 22uF 20% 16V 30M
C1709	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C171	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R
C1710	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C172	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R
C173	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R
C174	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R
C175	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R
C176	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R
C177	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R
C178	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R
C179	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R
C180	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R
C181	0CE106WFKDC	MVK4.0TP16VC10M 10uF 20% 16V 16M
C182	0CK105CD56A	C1608X7R1A105KT 1uF 10% 10V X7R
C183	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R
C184	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R

LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
C185	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R
C186	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R
C187	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R
C188	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R
C189	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R
C190	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R
C191	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R
C192	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R
C193	0CK822CK46A	0603B822J500CT 8.2nF 10% 50V X7R
C194	0CK822CK46A	0603B822J500CT 8.2nF 10% 50V X7R
C195	0CC220CK41A	C1608C0G1H220JT 22pF 5% 50V C0G
C196	0CC100CK41A	C1608C0G1H100JT 10pF 5% 50V C0G
C197	0CK475CC94A	C1608Y5V0J475ZT 4.7uF -20TO+80%
C198	0CK475CC94A	C1608Y5V0J475ZT 4.7uF -20TO+80%
C199	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R
C200	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R
C201	0CC470CK41A	C1608C0G1H470JT 47pF 5% 50V C0G
C202	0CC101CK41A	C1608C0G1H101JT 100pF 5% 50V C0G
C203	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R
C204	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R
C206	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R
C207	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R
C209	0CK106EF56A	C3216X7R1C106KT 10uF 10% 16V X7R
C212	0CK106EF56A	C3216X7R1C106KT 10uF 10% 16V X7R
C213	0CK106EF56A	C3216X7R1C106KT 10uF 10% 16V X7R
C216	0CK106EF56A	C3216X7R1C106KT 10uF 10% 16V X7R
C218	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R
C219	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R
C220	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R
C221	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R
C222	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R
C224	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R
C226	0CE107WF6DC	MVK6.3TP16VC100M 100uF 20% 16V 8
C227	0CE107WF6DC	MVK6.3TP16VC100M 100uF 20% 16V 8
C228	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R
C229	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R
C230	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R
C231	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R
C232	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R
C233	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R
C234	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C235	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C236	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C237	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C238	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C239	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C240	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C241	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C242	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C243	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C301	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R
C302	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R
C410	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R
C412	0CE106WFKDC	MVK4.0TP16VC10M 10uF 20% 16V 16M
C413	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R

LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
C414	0CE106WFKDC	MVK4.0TP16VC10M 10uF 20% 16V 16M
C415	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R
C429	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C430	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C515	0CE107WF6DC	MVK6.3TP16VC100M 100uF 20% 16V 8
C516	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R
C517	0CE227WF6DC	MVK8.0TP16VC220M 220uF 20% 16V 8
C518	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R
C519	0CE107WF6DC	MVK6.3TP16VC100M 100uF 20% 16V 8
C520	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R
C521	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R
C522	0CE107WF6DC	MVK6.3TP16VC100M 100uF 20% 16V 8
C523	0CE107WF6DC	MVK6.3TP16VC100M 100uF 20% 16V 8
C524	0CE477WF6DC	MVK10TP16VC470M 470uF 20% 16V 80
C525	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R
C526	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R
C527	0CE107WF6DC	MVK6.3TP16VC100M 100uF 20% 16V 8
C528	0CE227WF6DC	MVK8.0TP16VC220M 220uF 20% 16V 8
C529	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R
C530	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R
C531	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R
C532	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R
C533	0CE107WF6DC	MVK6.3TP16VC100M 100uF 20% 16V 8
C534	0CE227WF6DC	MVK8.0TP16VC220M 220uF 20% 16V 8
C535	0CK105CD56A	C1608X7R1A105KT 1uF 10% 10V X7R
C537	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R
C539	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R
C540	0CK105CD56A	C1608X7R1A105KT 1uF 10% 10V X7R
C548	0CE107WF6DC	MVK6.3TP16VC100M 100uF 20% 16V 8
C549	0CE107WF6DC	MVK6.3TP16VC100M 100uF 20% 16V 8
C550	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R
C551	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R
C553	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R
C554	0CK105CD56A	C1608X7R1A105KT 1uF 10% 10V X7R
C555	0CK105CD56A	C1608X7R1A105KT 1uF 10% 10V X7R
C601	0CC101CK41A	C1608C0G1H101JT 100pF 5% 50V C0G
C602	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R
C603	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R
C604	0CC470CK41A	C1608C0G1H470JT 47pF 5% 50V C0G
C605	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R
C606	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R
C608	0CC101CK41A	C1608C0G1H101JT 100pF 5% 50V C0G
C609	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R
C610	0CC271CK41A	C1608C0G1H271JT 270pF 5% 50V C0G
C611	0CE107WF6DC	MVK6.3TP16VC100M 100uF 20% 16V 8
C612	0CE476WF6DC	MVK6.3TP16VC47M 47uF 20% 16V 80M
C613	0CE107WF6DC	MVK6.3TP16VC100M 100uF 20% 16V 8
C615	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C616	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C623	0CC470CK41A	C1608C0G1H470JT 47pF 5% 50V C0G
C624	0CC470CK41A	C1608C0G1H470JT 47pF 5% 50V C0G
C625	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R
C626	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R
C627	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R
C630	0CE107WF6DC	MVK6.3TP16VC100M 100uF 20% 16V 8

LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
C633	0CK475CC94A	C1608Y5V0J475ZT 4.7uF -20TO+80%
C635	0CK472CK56A	0603B472K500CT 4.7nF 10% 50V X7R
C636	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R
C637	0CK472CK56A	0603B472K500CT 4.7nF 10% 50V X7R
C638	0CE107WF6DC	MVK6.3TP16VC100M 100uF 20% 16V 8
C639	0CE107WF6DC	MVK6.3TP16VC100M 100uF 20% 16V 8
C640	0CE107WF6DC	MVK6.3TP16VC100M 100uF 20% 16V 8
C641	0CC470CK41A	C1608C0G1H470JT 47pF 5% 50V C0G
C642	0CC470CK41A	C1608C0G1H470JT 47pF 5% 50V C0G
C700	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C701	0CE226WF6DC	MVK5.0TP16VC22M 22uF 20% 16V 30M
C702	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C703	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C704	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C705	0CE226WF6DC	MVK5.0TP16VC22M 22uF 20% 16V 30M
C706	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C707	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C708	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C709	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C710	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C711	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C712	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C713	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C714	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C715	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C716	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C717	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C718	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C720	0CC120CK41A	C1608C0G1H120JT 12pF 5% 50V C0G
C721	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C722	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C723	0CE226WF6DC	MVK5.0TP16VC22M 22uF 20% 16V 30M
C724	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C725	0CC200CK41A	C1608C0G1H200JT 20pF 5% 50V C0G
C726	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C727	0CE226WF6DC	MVK5.0TP16VC22M 22uF 20% 16V 30M
C728	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C729	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C730	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C732	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C733	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C734	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C736	0CE226WF6DC	MVK5.0TP16VC22M 22uF 20% 16V 30M
C737	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C738	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C739	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C740	0CE226WF6DC	MVK5.0TP16VC22M 22uF 20% 16V 30M
C741	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C742	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C743	0CE226WF6DC	MVK5.0TP16VC22M 22uF 20% 16V 30M
C744	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C745	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C746	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C747	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C748	0CK475CC94A	C1608Y5V0J475ZT 4.7uF -20TO+80%

LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
C749	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C750	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C751	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C752	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C753	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C754	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C755	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C756	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C757	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C758	0CE226WF6DC	MVK5.0TP16VC22M 22uF 20% 16V 30M
C759	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C760	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C761	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C762	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C763	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C764	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C765	0CE476WF6DC	MVK6.3TP16VC47M 47uF 20% 16V 80M
C766	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C767	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C768	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C769	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C770	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C771	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C772	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R
C773	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C774	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C775	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C776	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C777	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C778	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C779	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C780	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C781	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C782	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C783	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C784	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C785	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C786	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C787	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C788	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C789	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C790	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C791	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C792	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C793	0CE226WF6DC	MVK5.0TP16VC22M 22uF 20% 16V 30M
C794	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R
C795	0CC220CK41A	C1608C0G1H220JT 22pF 5% 50V C0G
C796	0CE226WF6DC	MVK5.0TP16VC22M 22uF 20% 16V 30M
C797	0CE476WF6DC	MVK6.3TP16VC47M 47uF 20% 16V 80M
C798	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C799	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C800	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C801	0CE226WF6DC	MVK5.0TP16VC22M 22uF 20% 16V 30M
C802	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C803	0CE226WF6DC	MVK5.0TP16VC22M 22uF 20% 16V 30M

LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
C805	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C806	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C807	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R
C810	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R
C812	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R
C813	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C814	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C815	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C817	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R
C818	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C822	0CE226WF6DC	MVK5.0TP16VC22M 22uF 20% 16V 30M
C824	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R
C826	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R
C828	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C830	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C831	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R
C834	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C835	0CE107WF6DC	MVK6.3TP16VC100M 100uF 20% 16V 8
C836	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R
C838	0CK225DH94A	C2012Y5V225ZFT 2.2uF -20TO+80% 2
C840	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R
C841	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R
C844	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R
C846	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C847	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C850	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R
C851	0CK225DFK4A	C2012Y5V1C225MT 2.2uF 20% 16V Y5
C852	0CE107WF6DC	MVK6.3TP16VC100M 100uF 20% 16V 8
C853	0CE107WF6DC	MVK6.3TP16VC100M 100uF 20% 16V 8
C854	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R
C855	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R
C856	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R
C857	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C858	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C859	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C860	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C861	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C862	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C863	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C864	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C865	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C866	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C867	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C868	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C869	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C870	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C871	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C872	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C873	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C874	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C875	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C876	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C877	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C878	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C900	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R

LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
C901	0CE107WF6DC	MVK6.3TP16VC100M 100uF 20% 16V 8
C903	0CE476WF6DC	MVK6.3TP16VC47M 47uF 20% 16V 80M
C905	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R
C907	0CE107WF6DC	MVK6.3TP16VC100M 100uF 20% 16V 8
C908	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R
C909	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R
C910	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C911	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R
C912	0CE476WF6DC	MVK6.3TP16VC47M 47uF 20% 16V 80M
C914	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C915	0CE107WF6DC	MVK6.3TP16VC100M 100uF 20% 16V 8
C917	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C924	0CE107WH6DC	MVK8.0TP25VC100M 100uF 20% 25V 1
C925	0CE227WF6DC	MVK8.0TP16VC220M 220uF 20% 16V 8
C928	0CE227WF6DC	MVK8.0TP16VC220M 220uF 20% 16V 8
C929	0CE227WF6DC	MVK8.0TP16VC220M 220uF 20% 16V 8
C931	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C932	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C933	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C934	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C935	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C937	0CE107WF6DC	MVK6.3TP16VC100M 100uF 20% 16V 8
C954	0CE477WF6DC	MVK10TP16VC470M 470uF 20% 16V 80
C956	0CK474CH94A	0603F474Z250CT 470nF -20TO+80% 2
C957	0CE107WF6DC	MVK6.3TP16VC100M 100uF 20% 16V 8
C958	0CE107WF6DC	MVK6.3TP16VC100M 100uF 20% 16V 8
C959	0CE107WF6DC	MVK6.3TP16VC100M 100uF 20% 16V 8
C960	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C961	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C962	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C969	0CE107WF6DC	MVK6.3TP16VC100M 100uF 20% 16V 8
C970	0CE107WF6DC	MVK6.3TP16VC100M 100uF 20% 16V 8
C971	0CE107WF6DC	MVK6.3TP16VC100M 100uF 20% 16V 8
C972	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C973	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C974	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C975	0CE107WF6DC	MVK6.3TP16VC100M 100uF 20% 16V 8
C977	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C980	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R
C981	0CE476WF6DC	MVK6.3TP16VC47M 47uF 20% 16V 80M
ZD1102	0CC100CK41A	C1608C0G1H100JT 10pF 5% 50V C0G
ZD1103	0CC100CK41A	C1608C0G1H100JT 10pF 5% 50V C0G

DIODEs

D100	EAH33945901	CDS3C30GTH 30V 50V 120V 1.9A 1W
D1000	0DD184009AA	KDS184 KDS184 TP KEC - 85V - - -
D1001	0DD184009AA	KDS184 KDS184 TP KEC - 85V - - -
D101	EAH33946001	CDS3C05GTA 5.6V 6.4V 19V 1.9A 1W
D102	EAH33946001	CDS3C05GTA 5.6V 6.4V 19V 1.9A 1W
D103	EAH33945901	CDS3C30GTH 30V 50V 120V 1.9A 1W
D104	EAH33945901	CDS3C30GTH 30V 50V 120V 1.9A 1W
D900	0DS226009AA	KDS226 1.2V 85V 300MA 2A 4NSEC 1
D902	0DS226009AA	KDS226 1.2V 85V 300MA 2A 4NSEC 1
D903	0DS226009AA	KDS226 1.2V 85V 300MA 2A 4NSEC 1
D904	0DS226009AA	KDS226 1.2V 85V 300MA 2A 4NSEC 1
D905	0DS226009AA	KDS226 1.2V 85V 300MA 2A 4NSEC 1
D906	0DD100009AM	EU1ZV(1) 200V 2.5V 10UA 15A 400N
ZD1100	EAH33946001	CDS3C05GTA 5.6V 6.4V 19V 1.9A 1W
ZD1101	EAH33946001	CDS3C05GTA 5.6V 6.4V 19V 1.9A 1W
ZD1104	EAH33945901	CDS3C30GTH 30V 50V 120V 1.9A 1W
ZD1105	EAH33945901	CDS3C30GTH 30V 50V 120V 1.9A 1W
ZD1106	EAH33945901	CDS3C30GTH 30V 50V 120V 1.9A 1W
ZD1107	EAH33945901	CDS3C30GTH 30V 50V 120V 1.9A 1W
ZD1108	EAH33945901	CDS3C30GTH 30V 50V 120V 1.9A 1W
ZD1109	EAH33945901	CDS3C30GTH 30V 50V 120V 1.9A 1W
ZD1112	EAH33945901	CDS3C30GTH 30V 50V 120V 1.9A 1W
ZD1113	EAH33945901	CDS3C30GTH 30V 50V 120V 1.9A 1W
ZD1114	EAH33945901	CDS3C30GTH 30V 50V 120V 1.9A 1W
ZD1201	EAH33946001	CDS3C05GTA 5.6V 6.4V 19V 1.9A 1W
ZD1202	EAH33946001	CDS3C05GTA 5.6V 6.4V 19V 1.9A 1W
ZD1203	EAH33945901	CDS3C30GTH 30V 50V 120V 1.9A 1W
ZD1211	EAH33946001	CDS3C05GTA 5.6V 6.4V 19V 1.9A 1W
ZD1212	EAH33946001	CDS3C05GTA 5.6V 6.4V 19V 1.9A 1W
ZD1218	EAH33945901	CDS3C30GTH 30V 50V 120V 1.9A 1W
ZD1219	EAH33945901	CDS3C30GTH 30V 50V 120V 1.9A 1W
ZD1220	EAH33945901	CDS3C30GTH 30V 50V 120V 1.9A 1W
ZD1221	EAH33945901	CDS3C30GTH 30V 50V 120V 1.9A 1W
ZD1222	EAH33945901	CDS3C30GTH 30V 50V 120V 1.9A 1W
ZD1223	EAH33945901	CDS3C30GTH 30V 50V 120V 1.9A 1W
ZD1224	EAH33945901	CDS3C30GTH 30V 50V 120V 1.9A 1W
ZD1226	EAH33945901	CDS3C30GTH 30V 50V 120V 1.9A 1W
ZD1228	EAH33946001	CDS3C05GTA 5.6V 6.4V 19V 1.9A 1W
ZD1229	EAH33946001	CDS3C05GTA 5.6V 6.4V 19V 1.9A 1W
ZD1300	0DZRM00248A	RLZ8.2B 8.2V 7.78TO8.19V 8OHM 50

ICs

IC100	0IPRP00703B	STI5100GUC 3.3V 5u 27M PBGA TR 3
IC1002	0IMMRAL014D	AT24C02BN-10SU-1.8 2KBIT 256x8BI
IC1003	0IMMRAL014D	AT24C02BN-10SU-1.8 2KBIT 256x8BI
IC1004	EAN33595101	STHDMI002A 3.135TO3.465 9NSEC 9N
IC102	0ISTLPH026A	74LVC14APW 1.2TO3.6V 0.01mA SCHM
IC103	0IMP242560A	24LC256T-I/SM 256KBIT 256KX8BIT
IC1100	0IMMRAL014D	AT24C02BN-10SU-1.8 2KBIT 256x8BI
IC1101	0IPH741400E	74HC14D 2TO6V 0.002mA SCHMITT TR
IC1102	0IPRP00009A	ICL3232CBNZ 3VTO5.5V - SSOP R/TP
IC1104	0ITO741570C	TC74LCX157FT 2TO3.6V 0.01mA MULT
IC1105	0IMCRFA018A	NC7SB3157P6X_NL 1.65TO5.5V 0.001
IC1106	0IMCRFA018A	NC7SB3157P6X_NL 1.65TO5.5V 0.001
IC1300	0IMCRMN028C	MSP4450K-QA-D6 7.6TO8.7V_4.75TO5
IC1301	0ILNR00261C	STA335BW 5TO26V 0 10% 20W 0W 80d
IC1400	0ISO206900A	CXA2069Q 8.5TO9.5V - - 1.3W QFP
IC200	0IPMG78391A	SC2595STR 2.3TO5V 0 0W SOIC R/TP
IC202	0IMMRIH038B	HYB25D(C)256160CE-5 256MBIT 4MX1
IC300	0ISTLPH003B	74LVC541APW 1.2TO3.6V 0.01mA BUF
IC301	0IMCRFA013A	74LCX244MTC 2TO3.6V 0.01mA BUFFE
IC404	0ISTLPH026A	74LVC14APW 1.2TO3.6V 0.01mA SCHM
IC410	0ITO741570C	TC74LCX157FT 2TO3.6V 0.01mA MULT
IC500	0IMCRSJ001A	SC1565IST-1.8 2.2TO5.5V 1.8V 0W

LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
IC501	0IPMG00027A	SC156515M-1.8TR 2.2TO5.5V 1.8V 0
IC502	0IMCRSJ001B	SC1565IST-2.5TR 2.2TO5V 2.5V 0W
IC503	0IPMGKE030A	KIA78R05F 6TO12V 5V 8W DPAK R/TP
IC504	0IPMGKE031A	KIA78R33F 4TO10V 3.3V 8W DPAK R/
IC505	0IPMGKE031A	KIA78R33F 4TO10V 3.3V 8W DPAK R/
IC506	0ISTL00029A	MC33078DR2G +-5TO+-18V 2mV 0.002
IC600	0IPRP00602A	TPS2010ADR 2.7TO5.5V 8.6MSEC 3.4
IC700	EAN33595901	"FLI8548H-LF-BE 300MVTO3.6V,300MV"
IC701	0IMP242560A	24LC256T-I/SM 256KBIT 256KX8BIT
IC702	EAN34099701	M2404HEPROM 4KBIT 512 x 8bit 2.5
IC800	EAN31729201	HY5DU561622ETP-4 256MBIT 16M * 1
IC801	EAN31729201	HY5DU561622ETP-4 256MBIT 16M * 1
IC804	0IPMG78391A	SC2595STR 2.3TO5V 0 0W SOIC R/TP
IC900	0IPMGFA061A	FAN1587AD33X 4.8TO10.3V 3.3V 0W
IC901	0IPMGFA061A	FAN1587AD33X 4.8TO10.3V 3.3V 0W
IC902	0IPMG00107A	AZ1117H-2.5TR/E1 15V 2.5V 0W SOT
IC903	0IPMG00027A	SC156515M-1.8TR 2.2TO5.5V 1.8V 0
IC904	EAN32662801	KA7809ERTM 35V to 40V 9V 1W DPAK

FILTERs & INDUCTORs

L100	6210TCE001G	"Filter,BeadHH-1M3216-501JT 500OH"
L101	6210TCE001G	"Filter,BeadHH-1M3216-501JT 500OH"
L102	6210TCE001G	"Filter,BeadHH-1M3216-501JT 500OH"
L103	6210TCE001G	"Filter,BeadHH-1M3216-501JT 500OH"
L104	6210TCE001G	"Filter,BeadHH-1M3216-501JT 500OH"
L105	6210TCE001G	"Filter,BeadHH-1M3216-501JT 500OH"
L106	6210TCE001G	"Filter,BeadHH-1M3216-501JT 500OH"
L108	6210TCE001G	"Filter,BeadHH-1M3216-501JT 500OH"
L1101	6210TCE001L	"Filter,BeadHB-1T2012-102JT 1000O"
L1102	6210TCE001L	"Filter,BeadHB-1T2012-102JT 1000O"
L1104	6210TCE001G	"Filter,BeadHH-1M3216-501JT 500OH"
L1105	6210TCE001P	"Filter,BeadHB-1S2012-121JT(H:1mm"
L1106	6210TCE001P	"Filter,BeadHB-1S2012-121JT(H:1mm"
L1107	6210TCE001P	"Filter,BeadHB-1S2012-121JT(H:1mm"
L1108	6210TCE001P	"Filter,BeadHB-1S2012-121JT(H:1mm"
L1109	6210TCE001P	"Filter,BeadHB-1S2012-121JT(H:1mm"
L1205	6210TCE001G	"Filter,BeadHH-1M3216-501JT 500OH"
L1206	6210TCE001Z	"Filter,BeadHH-1M2012-600JT 60OHM"
L1207	6210TCE001Z	"Filter,BeadHH-1M2012-600JT 60OHM"
L1208	6210TCE001Z	"Filter,BeadHH-1M2012-600JT 60OHM"
L1211	6210TCE001L	"Filter,BeadHB-1T2012-102JT 1000O"
L1212	6210TCE001L	"Filter,BeadHB-1T2012-102JT 1000O"
L1215	6210TCE001G	"Filter,BeadHH-1M3216-501JT 500OH"
L1300	6210TCE001G	"Filter,BeadHH-1M3216-501JT 500OH"
L1301	6210TCE001G	"Filter,BeadHH-1M3216-501JT 500OH"
L1302	6210TCE001G	"Filter,BeadHH-1M3216-501JT 500OH"
L1303	6210TCE001G	"Filter,BeadHH-1M3216-501JT 500OH"
L1309	6210TCE001S	"Filter,BeadHU-1M2012-121 120OHM"
L1310	6210TCE001S	"Filter,BeadHU-1M2012-121 120OHM"
L1311	6210TCE001S	"Filter,BeadHU-1M2012-121 120OHM"
L1312	6210TCE001S	"Filter,BeadHU-1M2012-121 120OHM"
L1314	6210TCE001G	"Filter,BeadHH-1M3216-501JT 500OH"
L1315	6210TCE001G	"Filter,BeadHH-1M3216-501JT 500OH"
L1401	6210TCE001G	"Filter,BeadHH-1M3216-501JT 500OH"

LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
L1402	6210TCE001G	"Filter,BeadHH-1M3216-501JT 500OH"
L1403	6210TCE001G	"Filter,BeadHH-1M3216-501JT 500OH"
L1404	EAM37276902	"Filter,LCRLCF20P101-TM LPF(EMI)"
L1405	EAM37574201	"Filter,LCRLC-2012-250JT LPF(EMI)"
L1406	EAM37574201	"Filter,LCRLC-2012-250JT LPF(EMI)"
L1407	EAM37574201	"Filter,LCRLC-2012-250JT LPF(EMI)"
L1408	EAM37276902	"Filter,LCRLCF20P101-TM LPF(EMI)"
L1409	EAM37276902	"Filter,LCRLCF20P101-TM LPF(EMI)"
L1410	EAM37574201	"Filter,LCRLC-2012-250JT LPF(EMI)"
L1412	6210TCE001E	"Filter,BeadHB-1M2012-800JT(H:1mm"
L1413	6210TCE001E	"Filter,BeadHB-1M2012-800JT(H:1mm"
L400	6210TCE001G	"Filter,BeadHH-1M3216-501JT 500OH"
L606	6210TCE001G	"Filter,BeadHH-1M3216-501JT 500OH"
L607	6210TCE001G	"Filter,BeadHH-1M3216-501JT 500OH"
L700	6210TCE001G	"Filter,BeadHH-1M3216-501JT 500OH"
L701	6210TCE001G	"Filter,BeadHH-1M3216-501JT 500OH"
L703	6210TCE001G	"Filter,BeadHH-1M3216-501JT 500OH"
L704	6210TCE001G	"Filter,BeadHH-1M3216-501JT 500OH"
L705	6210TCE001G	"Filter,BeadHH-1M3216-501JT 500OH"
L706	6210TCE001G	"Filter,BeadHH-1M3216-501JT 500OH"
L707	6210TCE001G	"Filter,BeadHH-1M3216-501JT 500OH"
L800	6210TCE001G	"Filter,BeadHH-1M3216-501JT 500OH"
L801	6210TCE001G	"Filter,BeadHH-1M3216-501JT 500OH"
L900	6210TCE001X	"Filter,BeadHU-1H4532-121JT 120OH"
L901	EAM37574201	"Filter,LCRLC-2012-250JT LPF(EMI)"
L902	EAM37574201	"Filter,LCRLC-2012-250JT LPF(EMI)"
L903	EAM37574201	"Filter,LCRLC-2012-250JT LPF(EMI)"
L904	EAM37574201	"Filter,LCRLC-2012-250JT LPF(EMI)"
L905	EAM37574201	"Filter,LCRLC-2012-250JT LPF(EMI)"
L906	EAM37574201	"Filter,LCRLC-2012-250JT LPF(EMI)"
L907	6210TCE001G	"Filter,BeadHH-1M3216-501JT 500OH"
L908	EAM37574201	"Filter,LCRLC-2012-250JT LPF(EMI)"
L909	6210TCE001G	"Filter,BeadHH-1M3216-501JT 500OH"
L911	6210TCE001X	"Filter,BeadHU-1H4532-121JT 120OH"
L912	6210TCE001X	"Filter,BeadHU-1H4532-121JT 120OH"
L913	6210TCE001G	"Filter,BeadHH-1M3216-501JT 500OH"
L918	6210TCE001X	"Filter,BeadHU-1H4532-121JT 120OH"
L919	6210TCE001X	"Filter,BeadHU-1H4532-121JT 120OH"
L923	6210TCE001G	"Filter,BeadHH-1M3216-501JT 500OH"
L925	6210TCE001G	"Filter,BeadHH-1M3216-501JT 500OH"
L100	0LC2000005K	"Inductor,Multilayer,ChipFI-D2012"
L109	0LC1032101A	"Inductor,Multilayer,ChipFI-C3216"
L1209	0LCML00020G	"Inductor,Multilayer,ChipMLI-2012"
L1210	0LCML00020G	"Inductor,Multilayer,ChipMLI-2012"
L1213	0LCML00020G	"Inductor,Multilayer,ChipMLI-2012"
L1214	0LCML00020G	"Inductor,Multilayer,ChipMLI-2012"
L1216	0LCML00020G	"Inductor,Multilayer,ChipMLI-2012"
L1217	0LCML00020G	"Inductor,Multilayer,ChipMLI-2012"
L1218	0LCML00020G	"Inductor,Multilayer,ChipMLI-2012"
L1219	0LCML00020G	"Inductor,Multilayer,ChipMLI-2012"
L1220	0LCML00020G	"Inductor,Multilayer,ChipMLI-2012"
L1221	0LCML00020G	"Inductor,Multilayer,ChipMLI-2012"
L1222	0LCML00020G	"Inductor,Multilayer,ChipMLI-2012"
L1304	0LCTO00019A	"Inductor,Wire Wound,ChipD75C-646"
L1305	0LCTO00019A	"Inductor,Wire Wound,ChipD75C-646"

LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
L1306	0LCTO00019A	"Inductor,Wire Wound,ChipD75C-646"
L1307	0LCTO00019A	"Inductor,Wire Wound,ChipD75C-646"
L600	0LCTA00003A	"Inductor,Wire Wound,ChipLEMC3225"
L601	0LCTA00003A	"Inductor,Wire Wound,ChipLEMC3225"
L604	0LC0233002A	"Inductor,Multilayer,ChipFI-B2012"
L605	0LCTA00003A	"Inductor,Wire Wound,ChipLEMC3225"
		TRANSISTORs & FETs
Q100	0TR387500AA	"TR,Bipolar2SC3875S(ALY) NPN 5V 6"
Q101	0TR387500AA	"TR,Bipolar2SC3875S(ALY) NPN 5V 6"
Q1100	0TR387500AA	"TR,Bipolar2SC3875S(ALY) NPN 5V 6"
Q1200	0TR387500AA	"TR,Bipolar2SC3875S(ALY) NPN 5V 6"
Q1201	0TR387500AA	"TR,Bipolar2SC3875S(ALY) NPN 5V 6"
Q1202	0TR387500AA	"TR,Bipolar2SC3875S(ALY) NPN 5V 6"
Q1203	0TR102009AM	"TR,BipolarKRA102S PNP -30V 0V -5"
Q1204	0TR387500AA	"TR,Bipolar2SC3875S(ALY) NPN 5V 6"
Q1300	0TR387500AA	"TR,Bipolar2SC3875S(ALY) NPN 5V 6"
Q1301	0TR387500AA	"TR,Bipolar2SC3875S(ALY) NPN 5V 6"
Q1302	0TR387500AA	"TR,Bipolar2SC3875S(ALY) NPN 5V 6"
Q1303	0TR387500AA	"TR,Bipolar2SC3875S(ALY) NPN 5V 6"
Q1304	0TR387500AA	"TR,Bipolar2SC3875S(ALY) NPN 5V 6"
Q1305	0TR102009AM	"TR,BipolarKRA102S PNP -30V 0V -5"
Q1400	0TR387500AA	"TR,Bipolar2SC3875S(ALY) NPN 5V 6"
Q1401	0TR387500AA	"TR,Bipolar2SC3875S(ALY) NPN 5V 6"
Q1402	0TR387500AA	"TR,Bipolar2SC3875S(ALY) NPN 5V 6"
Q1403	0TR150400BA	"TR,Bipolar2SA1504S(ASY) PNP -5V"
Q1404	0TR387500AA	"TR,Bipolar2SC3875S(ALY) NPN 5V 6"
Q400	0TR387500AA	"TR,Bipolar2SC3875S(ALY) NPN 5V 6"
Q401	0TR387500AA	"TR,Bipolar2SC3875S(ALY) NPN 5V 6"
Q402	0TR387500AA	"TR,Bipolar2SC3875S(ALY) NPN 5V 6"
Q500	0TR102009AM	"TR,BipolarKRA102S PNP -30V 0V -5"
Q502	0TR387500AA	"TR,Bipolar2SC3875S(ALY) NPN 5V 6"
Q503	0TR387500AA	"TR,Bipolar2SC3875S(ALY) NPN 5V 6"
Q504	0TR150400BA	"TR,Bipolar2SA1504S(ASY) PNP -5V"
Q602	0TR150400BA	"TR,Bipolar2SA1504S(ASY) PNP -5V"
Q603	0TR387500AA	"TR,Bipolar2SC3875S(ALY) NPN 5V 6"
Q604	0TR387500AA	"TR,Bipolar2SC3875S(ALY) NPN 5V 6"
Q606	0TR150400BA	"TR,Bipolar2SA1504S(ASY) PNP -5V"
Q607	0TR150400BA	"TR,Bipolar2SA1504S(ASY) PNP -5V"
Q608	0TR387500AA	"TR,Bipolar2SC3875S(ALY) NPN 5V 6"
Q609	0TR150400BA	"TR,Bipolar2SA1504S(ASY) PNP -5V"
Q800	0TR387500AA	"TR,Bipolar2SC3875S(ALY) NPN 5V 6"
Q900	0TR387500AA	"TR,Bipolar2SC3875S(ALY) NPN 5V 6"
Q901	0TR387500AA	"TR,Bipolar2SC3875S(ALY) NPN 5V 6"
Q902	0TR387500AA	"TR,Bipolar2SC3875S(ALY) NPN 5V 6"
Q903	0TR387500AA	"TR,Bipolar2SC3875S(ALY) NPN 5V 6"
Q904	0TR387500AA	"TR,Bipolar2SC3875S(ALY) NPN 5V 6"
Q905	0TR387500AA	"TR,Bipolar2SC3875S(ALY) NPN 5V 6"
IC803	EBK32753101	FETSI4925BDY P-CHANNEL MOSFET -3
Q1001	0TR830009BA	FETBSS83 N-CHANNEL MOSFET 10V 2
		RESISTORs
AR100	0RJ0472C687	RCA86TRJ47R0 47OHM 5% 1/16W 4 SM
AR101	0RJ0472C687	RCA86TRJ47R0 47OHM 5% 1/16W 4 SM

LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
AR102	0RJ0472C687	RCA86TRJ47R0 47OHM 5% 1/16W 4 SM
AR103	0RJ0472C687	RCA86TRJ47R0 47OHM 5% 1/16W 4 SM
AR104	0RJ0472C687	RCA86TRJ47R0 47OHM 5% 1/16W 4 SM
AR105	0RJ0472C687	RCA86TRJ47R0 47OHM 5% 1/16W 4 SM
AR106	0RJ0472C687	RCA86TRJ47R0 47OHM 5% 1/16W 4 SM
AR107	0RJ0472C687	RCA86TRJ47R0 47OHM 5% 1/16W 4 SM
AR108	0RJ0472C687	RCA86TRJ47R0 47OHM 5% 1/16W 4 SM
AR109	0RJ0472C687	RCA86TRJ47R0 47OHM 5% 1/16W 4 SM
AR110	0RJ0472C687	RCA86TRJ47R0 47OHM 5% 1/16W 4 SM
AR111	0RJ0472C687	RCA86TRJ47R0 47OHM 5% 1/16W 4 SM
AR200	0RJ0222C687	RCA86TRJ22R0 22OHM 5% 1/16W 4 SM
AR201	0RJ0222C687	RCA86TRJ22R0 22OHM 5% 1/16W 4 SM
AR202	0RJ0222C687	RCA86TRJ22R0 22OHM 5% 1/16W 4 SM
AR203	0RJ0222C687	RCA86TRJ22R0 22OHM 5% 1/16W 4 SM
AR204	0RJ0222C687	RCA86TRJ22R0 22OHM 5% 1/16W 4 SM
AR205	0RJ0222C687	RCA86TRJ22R0 22OHM 5% 1/16W 4 SM
AR206	0RJ0222C687	RCA86TRJ22R0 22OHM 5% 1/16W 4 SM
AR700	0RZZH033273	MNR04M0ABJ330 33OHM 5% 1/16W 4 S
AR701	0RZZH033273	MNR04M0ABJ330 33OHM 5% 1/16W 4 S
AR702	0RZZH033273	MNR04M0ABJ330 33OHM 5% 1/16W 4 S
AR703	0RJ0222C692	MNR04 M0APJ 220 22OHM 5% 1/16W 1
AR704	0RJ0222C692	MNR04 M0APJ 220 22OHM 5% 1/16W 1
AR706	0RZZH033273	MNR04M0ABJ330 33OHM 5% 1/16W 4 S
AR707	0RZZH033273	MNR04M0ABJ330 33OHM 5% 1/16W 4 S
AR708	0RZZH033273	MNR04M0ABJ330 33OHM 5% 1/16W 4 S
AR709	0RZZH033273	MNR04M0ABJ330 33OHM 5% 1/16W 4 S
AR710	0RZZH033273	MNR04M0ABJ330 33OHM 5% 1/16W 4 S
AR800	EBC32260601	MNR04M0APJ101 100OHM 5% 1/16W 4
AR801	EBC32260601	MNR04M0APJ101 100OHM 5% 1/16W 4
AR802	EBC32260601	MNR04M0APJ101 100OHM 5% 1/16W 4
AR803	EBC32260601	MNR04M0APJ101 100OHM 5% 1/16W 4
AR804	EBC32260601	MNR04M0APJ101 100OHM 5% 1/16W 4
AR805	EBC32260601	MNR04M0APJ101 100OHM 5% 1/16W 4
AR806	EBC32260601	MNR04M0APJ101 100OHM 5% 1/16W 4
AR807	EBC32260601	MNR04M0APJ101 100OHM 5% 1/16W 4
AR808	EBC32260601	MNR04M0APJ101 100OHM 5% 1/16W 4
AR809	EBC32260601	MNR04M0APJ101 100OHM 5% 1/16W 4
AR810	EBC32260601	MNR04M0APJ101 100OHM 5% 1/16W 4
R100	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608
R100	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 160
R101	0RJ0752D677	MCR03EZPJ750 75OHM 5% 1/10W 1608
R101	0RH1100D622	MCR10EZHJ111 110OHM 5% 1/8W 2012
R101	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608
R1016	0RJ0222D677	MCR03EZPJ220 22OHM 5% 1/10W 1608
R1017	0RJ0222D677	MCR03EZPJ220 22OHM 5% 1/10W 1608
R1018	0RJ6800D677	MCR03EZPJ681 680OHM 5% 1/10W 160
R1019	0RJ0222D677	MCR03EZPJ220 22OHM 5% 1/10W 1608
R102	0RH1101D622	MCR10EZHJ112 1.1KOHM 5% 1/8W 201
R102	0RJ4700D677	MCR03EZPJ471 470OHM 5% 1/10W 160
R102	0RJ0472D677	MCR03EZPJ470 47OHM 5% 1/10W 1608
R102	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608
R1020	0RJ6800D677	MCR03EZPJ681 680OHM 5% 1/10W 160
R1021	0RJ0222D677	MCR03EZPJ220 22OHM 5% 1/10W 1608
R1022	0RJ0222D677	MCR03EZPJ220 22OHM 5% 1/10W 1608
R1023	0RJ0222D677	MCR03EZPJ220 22OHM 5% 1/10W 1608

LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
R103	0RH3301D622	MCR10EZHJ332 3.3KOHM 5% 1/8W 201
R103	0RJ2203D677	MCR03EZPJ224 220KOHM 5% 1/10W 16
R103	0RJ0472D677	MCR03EZPJ470 47OHM 5% 1/10W 1608
R103	0RJ2002D677	MCR03EZPJ203. 20KOHM 5% 1/10W 16
R1038	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608
R1039	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608
R104	0RH9101D622	MCR10EZHJ912 9.1KOHM 5% 1/8W 201
R104	0RJ4700D677	MCR03EZPJ471 470OHM 5% 1/10W 160
R104	0RJ1302D677	MCR03EZPJ133 13KOHM 5% 1/10W 160
R1040	0RJ4702D677	MCR03EZPJ473 47KOHM 5% 1/10W 160
R1041	0RJ4702D677	MCR03EZPJ473 47KOHM 5% 1/10W 160
R1042	0RJ4702D677	MCR03EZPJ473 47KOHM 5% 1/10W 160
R1043	0RJ4702D677	MCR03EZPJ473 47KOHM 5% 1/10W 160
R1044	0RJ3301D677	MCR03EZPJ332 3.3KOHM 5% 1/10W 16
R1049	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608
R105	0RJ2203D677	MCR03EZPJ224 220KOHM 5% 1/10W 16
R105	0RH1100D622	MCR10EZHJ111 110OHM 5% 1/8W 2012
R105	0RJ4701D677	MCR03EZPJ472 4.7KOHM 5% 1/10W 16
R105	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608
R1050	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608
R1052	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608
R1053	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608
R1056	0RJ1002D677	MCR03EZPJ103 10KOHM 5% 1/10W 160
R1057	0RJ1002D677	MCR03EZPJ103 10KOHM 5% 1/10W 160
R1058	0RJ1003D677	MCR03EZPJ104 100KOHM 5% 1/10W 16
R1059	0RJ2702D677	MCR03EZPJ273 27KOHM 5% 1/10W 160
R106	0RH1101D622	MCR10EZHJ112 1.1KOHM 5% 1/8W 201
R106	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608
R106	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608
R106	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608
R1060	0RJ3302D677	MCR03EZPJ333 33KOHM 5% 1/10W 160
R1061	0RJ3302D677	MCR03EZPJ333 33KOHM 5% 1/10W 160
R1065	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608
R107	0RH3301D622	MCR10EZHJ332 3.3KOHM 5% 1/8W 201
R107	0RJ0752D677	MCR03EZPJ750 75OHM 5% 1/10W 1608
R108	0RH9101D622	MCR10EZHJ912 9.1KOHM 5% 1/8W 201
R108	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608
R109	0RH0000D622	MCR10EZHJ000 0OHM 5% 1/8W 2012 R
R109	0RJ0752D677	MCR03EZPJ750 75OHM 5% 1/10W 1608
R110	0RH0000D622	MCR10EZHJ000 0OHM 5% 1/8W 2012 R
R110	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608
R110	0RJ1002D677	MCR03EZPJ103 10KOHM 5% 1/10W 160
R1101	0RJ1002D677	MCR03EZPJ103 10KOHM 5% 1/10W 160
R1102	0RJ1001D677	MCR03EZPJ102 1KOHM 5% 1/10W 1608
R1103	0RJ1002D677	MCR03EZPJ103 10KOHM 5% 1/10W 160
R1104	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608
R1107	0RJ4701D677	MCR03EZPJ472 4.7KOHM 5% 1/10W 16
R1108	0RJ4701D677	MCR03EZPJ472 4.7KOHM 5% 1/10W 16
R111	0RJ7501D677	MCR03EZPJ752 7.5KOHM 5% 1/10W 16
R111	0RJ1002D677	MCR03EZPJ103 10KOHM 5% 1/10W 160
R1113	0RJ0752D677	MCR03EZPJ750 75OHM 5% 1/10W 1608
R1114	0RJ2203D677	MCR03EZPJ224 220KOHM 5% 1/10W 16
R1115	0RJ0752D677	MCR03EZPJ750 75OHM 5% 1/10W 1608
R1116	0RJ2203D677	MCR03EZPJ224 220KOHM 5% 1/10W 16
R1117	0RJ0752D677	MCR03EZPJ750 75OHM 5% 1/10W 1608

LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
R1118	0RJ1001D677	MCR03EZPJ102 1KOHM 5% 1/10W 1608
R1119	0RJ1001D677	MCR03EZPJ102 1KOHM 5% 1/10W 1608
R112	0RJ2002D677	MCR03EZPJ203. 20KOHM 5% 1/10W 16
R112	0RJ1002D677	MCR03EZPJ103 10KOHM 5% 1/10W 160
R1120	0RJ4701D677	MCR03EZPJ472 4.7KOHM 5% 1/10W 16
R1121	0RJ1001D677	MCR03EZPJ102 1KOHM 5% 1/10W 1608
R1122	0RJ4701D677	MCR03EZPJ472 4.7KOHM 5% 1/10W 16
R1123	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608
R1124	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 160
R1125	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 160
R1126	0RJ1001D677	MCR03EZPJ102 1KOHM 5% 1/10W 1608
R1127	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608
R1128	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 160
R1129	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608
R113	0RJ1002D677	MCR03EZPJ103 10KOHM 5% 1/10W 160
R1130	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608
R1131	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608
R1133	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608
R1134	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608
R1135	0RJ1001D677	MCR03EZPJ102 1KOHM 5% 1/10W 1608
R1136	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 160
R1137	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 160
R1139	0RJ1002D677	MCR03EZPJ103 10KOHM 5% 1/10W 160
R114	0RJ1002D677	MCR03EZPJ103 10KOHM 5% 1/10W 160
R1140	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608
R1141	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608
R1148	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 160
R1150	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 160
R1151	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 160
R1152	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 160
R1157	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 160
R1158	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 160
R1161	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 160
R1162	0RJ4701D677	MCR03EZPJ472 4.7KOHM 5% 1/10W 16
R1164	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 160
R1165	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 160
R1166	0RJ3301D677	MCR03EZPJ332 3.3KOHM 5% 1/10W 16
R1171	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608
R1185	0RH0000D622	MCR10EZHJ000 0OHM 5% 1/8W 2012 R
R1186	0RH0000D622	MCR10EZHJ000 0OHM 5% 1/8W 2012 R
R119	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608
R120	0RJ1802D677	MCR03EZPJ183 18KOHM 5% 1/10W 160
R1200	0RJ0752D677	MCR03EZPJ750 75OHM 5% 1/10W 1608
R1201	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608
R1202	0RJ0682D677	MCR03EZPJ680 68OHM 5% 1/10W 1608
R1203	0RJ4703D677	MCR03EZPJ474 470KOHM 5% 1/10W 16
R1204	0RJ4702D677	MCR03EZPJ473 47KOHM 5% 1/10W 160
R1205	0RJ2203D677	MCR03EZPJ224 220KOHM 5% 1/10W 16
R1207	0RJ2203D677	MCR03EZPJ224 220KOHM 5% 1/10W 16
R1209	0RJ3002D677	MCR03EZPJ303 30KOHM 5% 1/10W 160
R121	0RJ1202D677	MCR03EZPJ123 12KOHM 5% 1/10W 160
R1210	0RJ2203D677	MCR03EZPJ224 220KOHM 5% 1/10W 16
R1211	0RJ4703D677	MCR03EZPJ474 470KOHM 5% 1/10W 16
R1212	0RJ2203D677	MCR03EZPJ224 220KOHM 5% 1/10W 16
R1213	0RJ4703D677	MCR03EZPJ474 470KOHM 5% 1/10W 16

LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
R1214	0RJ0752D677	MCR03EZPJ750 75OHM 5% 1/10W 1608
R1215	0RJ1001D477	MCR03EZPF102 1KOHM 1% 1/10W 1608
R1216	0RJ1001D477	MCR03EZPF102 1KOHM 1% 1/10W 1608
R1219	0RJ0752D677	MCR03EZPJ750 75OHM 5% 1/10W 1608
R122	0RJ0472D677	MCR03EZPJ470 47OHM 5% 1/10W 1608
R1220	0RJ2203D677	MCR03EZPJ224 220KOHM 5% 1/10W 16
R1221	0RJ0752D677	MCR03EZPJ750 75OHM 5% 1/10W 1608
R1222	0RJ0752D677	MCR03EZPJ750 75OHM 5% 1/10W 1608
R1223	0RJ2203D677	MCR03EZPJ224 220KOHM 5% 1/10W 16
R1224	0RJ1001D677	MCR03EZPJ102 1KOHM 5% 1/10W 1608
R1225	0RJ1001D477	MCR03EZPF102 1KOHM 1% 1/10W 1608
R1226	0RJ1001D477	MCR03EZPF102 1KOHM 1% 1/10W 1608
R1227	0RJ2201D477	MCR03EZPF222 2.2KOHM 1% 1/10W 16
R1228	0RJ2201D477	MCR03EZPF222 2.2KOHM 1% 1/10W 16
R1229	0RJ0752D677	MCR03EZPJ750 75OHM 5% 1/10W 1608
R123	0RJ0472C678	MCR01MZPJ470 47OHM 5% 1/16W 1005
R1230	0RJ0752D677	MCR03EZPJ750 75OHM 5% 1/10W 1608
R1231	0RJ1002D677	MCR03EZPJ103 10KOHM 5% 1/10W 160
R1235	0RJ4703D677	MCR03EZPJ474 470KOHM 5% 1/10W 16
R1236	0RJ4703D677	MCR03EZPJ474 470KOHM 5% 1/10W 16
R1237	0RJ1001D477	MCR03EZPF102 1KOHM 1% 1/10W 1608
R1238	0RJ1001D477	MCR03EZPF102 1KOHM 1% 1/10W 1608
R1239	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608
R124	0RJ1200C678	MCR01MZPJ121 120OHM 5% 1/16W 100
R1240	0RJ0752D677	MCR03EZPJ750 75OHM 5% 1/10W 1608
R1241	0RJ0752D677	MCR03EZPJ750 75OHM 5% 1/10W 1608
R1242	0RJ0752D677	MCR03EZPJ750 75OHM 5% 1/10W 1608
R1243	0RJ0752D677	MCR03EZPJ750 75OHM 5% 1/10W 1608
R1244	0RJ0752D677	MCR03EZPJ750 75OHM 5% 1/10W 1608
R1245	0RJ0752D677	MCR03EZPJ750 75OHM 5% 1/10W 1608
R125	0RJ0472D677	MCR03EZPJ470 47OHM 5% 1/10W 1608
R1259	0RJ1001D677	MCR03EZPJ102 1KOHM 5% 1/10W 1608
R126	0RJ0472D677	MCR03EZPJ470 47OHM 5% 1/10W 1608
R1260	0RJ2001D677	MCR03EZPJ202 2KOHM 5% 1/10W 1608
R1261	0RJ2001D677	MCR03EZPJ202 2KOHM 5% 1/10W 1608
R1262	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608
R1263	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608
R1264	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608
R1270	0RJ1001D677	MCR03EZPJ102 1KOHM 5% 1/10W 1608
R1271	0RJ1001D677	MCR03EZPJ102 1KOHM 5% 1/10W 1608
R1273	0RJ3301D677	MCR03EZPJ332 3.3KOHM 5% 1/10W 16
R1274	0RJ0752D677	MCR03EZPJ750 75OHM 5% 1/10W 1608
R1275	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608
R1276	0RJ3002D677	MCR03EZPJ303 30KOHM 5% 1/10W 160
R1277	0RJ2203D677	MCR03EZPJ224 220KOHM 5% 1/10W 16
R1278	0RJ2203D677	MCR03EZPJ224 220KOHM 5% 1/10W 16
R1279	0RJ4702D677	MCR03EZPJ473 47KOHM 5% 1/10W 160
R128	0RJ0472D677	MCR03EZPJ470 47OHM 5% 1/10W 1608
R1280	0RJ1001D677	MCR03EZPJ102 1KOHM 5% 1/10W 1608
R1281	0RJ1001D677	MCR03EZPJ102 1KOHM 5% 1/10W 1608
R1282	0RJ2203D677	MCR03EZPJ224 220KOHM 5% 1/10W 16
R1283	0RJ2203D677	MCR03EZPJ224 220KOHM 5% 1/10W 16
R1284	0RH0000D622	MCR10EZHJ000 0OHM 5% 1/8W 2012 R
R1285	0RH0000D622	MCR10EZHJ000 0OHM 5% 1/8W 2012 R
R1286	0RH0000D622	MCR10EZHJ000 0OHM 5% 1/8W 2012 R
R1287	0RH0000D622	MCR10EZHJ000 0OHM 5% 1/8W 2012 R
R1288	0RH0000D622	MCR10EZHJ000 0OHM 5% 1/8W 2012 R
R1289	0RH0000D622	MCR10EZHJ000 0OHM 5% 1/8W 2012 R
R129	0RJ0472D677	MCR03EZPJ470 47OHM 5% 1/10W 1608
R1290	0RH0000D622	MCR10EZHJ000 0OHM 5% 1/8W 2012 R
R1291	0RH0000D622	MCR10EZHJ000 0OHM 5% 1/8W 2012 R
R1292	0RH0000D622	MCR10EZHJ000 0OHM 5% 1/8W 2012 R
R1293	0RH0000D622	MCR10EZHJ000 0OHM 5% 1/8W 2012 R
R1300	0RJ6202D677	MCR03EZPJ623 62KOHM 5% 1/10W 160
R1301	0RJ2402D677	MCR03EZPJ243 24KOHM 5% 1/10W 160
R1302	0RJ4700D677	MCR03EZPJ471 470OHM 5% 1/10W 160
R1303	0RJ1501D677	MCR03EZPJ152 1.5KOHM 5% 1/10W 16
R1304	0RJ0432D677	MCR03EZPJ430 43OHM 5% 1/10W 1608
R1305	0RJ0432D677	MCR03EZPJ430 43OHM 5% 1/10W 1608
R1307	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 160
R1308	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 160
R1309	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 160
R131	0RJ0472D677	MCR03EZPJ470 47OHM 5% 1/10W 1608
R1310	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608
R1311	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 160
R1312	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 160
R1313	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 160
R1314	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 160
R1315	0RJ1001D677	MCR03EZPJ102 1KOHM 5% 1/10W 1608
R1316	0RJ1001D677	MCR03EZPJ102 1KOHM 5% 1/10W 1608
R1317	0RJ4701D677	MCR03EZPJ472 4.7KOHM 5% 1/10W 16
R1318	0RJ4701D677	MCR03EZPJ472 4.7KOHM 5% 1/10W 16
R1319	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608
R1320	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608
R1321	0RJ2001D677	MCR03EZPJ202 2KOHM 5% 1/10W 1608
R1322	0RJ2001D677	MCR03EZPJ202 2KOHM 5% 1/10W 1608
R1323	0RJ4703D677	MCR03EZPJ474 470KOHM 5% 1/10W 16
R1324	0RJ4703D677	MCR03EZPJ474 470KOHM 5% 1/10W 16
R1327	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608
R1328	0RJ2200D677	MCR03EZPJ221 220OHM 5% 1/10W 160
R1329	0RJ0101D677	MCR03EZPJ1R0 1OHM 5% 1/10W 1608
R133	0RJ0472D677	MCR03EZPJ470 47OHM 5% 1/10W 1608
R1330	0RJ0101D677	MCR03EZPJ1R0 1OHM 5% 1/10W 1608
R1331	0RJ1002D677	MCR03EZPJ103 10KOHM 5% 1/10W 160
R1332	0RJ2200D677	MCR03EZPJ221 220OHM 5% 1/10W 160
R1333	0RJ2200D677	MCR03EZPJ221 220OHM 5% 1/10W 160
R1334	0RJ2200D677	MCR03EZPJ221 220OHM 5% 1/10W 160
R1338	0RJ3901D677	MCR03EZPJ392 3.9KOHM 5% 1/10W 16
R134	0RJ0472D677	MCR03EZPJ470 47OHM 5% 1/10W 1608
R1345	0RJ4701D677	MCR03EZPJ472 4.7KOHM 5% 1/10W 16
R1346	0RJ4701D677	MCR03EZPJ472 4.7KOHM 5% 1/10W 16
R1347	0RJ0392D677	MCR03EZPJ390 39OHM 5% 1/10W 1608
R1348	0RJ0392D677	MCR03EZPJ390 39OHM 5% 1/10W 1608
R1349	0RJ0392D677	MCR03EZPJ390 39OHM 5% 1/10W 1608
R1350	0RJ0392D677	MCR03EZPJ390 39OHM 5% 1/10W 1608
R1351	0RJ0122D677	MCR03EZPJ120 12OHM 5% 1/10W 1608
R1352	0RJ0122D677	MCR03EZPJ120 12OHM 5% 1/10W 1608
R1353	0RJ0122D677	MCR03EZPJ120 12OHM 5% 1/10W 1608
R1354	0RJ0122D677	MCR03EZPJ120 12OHM 5% 1/10W 1608
R1355	0RJ0122D677	MCR03EZPJ120 12OHM 5% 1/10W 1608

LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
R1356	0RJ0122D677	MCR03EZPJ120 12OHM 5% 1/10W 1608
R1357	0RJ0122D677	MCR03EZPJ120 12OHM 5% 1/10W 1608
R1358	0RJ0122D677	MCR03EZPJ120 12OHM 5% 1/10W 1608
R1359	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608
R136	0RJ0472C678	MCR01MZPJ470 47OHM 5% 1/16W 1005
R1360	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608
R1361	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608
R1362	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608
R1363	0RD3301A609	RDM92T1J3K30 3.3KOHM 5% 1/2W 6.5
R1364	0RJ7500D677	MCR03EZPJ751 750OHM 5% 1/10W 160
R1365	0RJ7500D677	MCR03EZPJ751 750OHM 5% 1/10W 160
R1366	0RJ7500D677	MCR03EZPJ751 750OHM 5% 1/10W 160
R137	0RJ0472D677	MCR03EZPJ470 47OHM 5% 1/10W 1608
R138	0RJ1002D677	MCR03EZPJ103 10KOHM 5% 1/10W 160
R139	0RJ0472D677	MCR03EZPJ470 47OHM 5% 1/10W 1608
R140	0RJ0472D677	MCR03EZPJ470 47OHM 5% 1/10W 1608
R1400	0RJ1501D677	MCR03EZPJ152 1.5KOHM 5% 1/10W 16
R1401	0RJ4701D677	MCR03EZPJ472 4.7KOHM 5% 1/10W 16
R1402	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 160
R1403	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 160
R1404	0RJ1001D677	MCR03EZPJ102 1KOHM 5% 1/10W 1608
R1405	0RJ1001D677	MCR03EZPJ102 1KOHM 5% 1/10W 1608
R1406	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608
R1407	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608
R1408	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608
R1409	0RJ1500D677	MCR03EZPJ151 150OHM 5% 1/10W 160
R1410	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608
R1411	0RJ2200D677	MCR03EZPJ221 220OHM 5% 1/10W 160
R1412	0RJ2200D677	MCR03EZPJ221 220OHM 5% 1/10W 160
R1413	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608
R1414	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 160
R1415	0RJ2200D677	MCR03EZPJ221 220OHM 5% 1/10W 160
R1416	0RJ2200D677	MCR03EZPJ221 220OHM 5% 1/10W 160
R1417	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 160
R1418	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 160
R1419	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 160
R142	0RJ0472D677	MCR03EZPJ470 47OHM 5% 1/10W 1608
R1420	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 160
R1421	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 160
R1422	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 160
R1423	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 160
R1429	0RJ1001C678	MCR01MZPJ102 1KOHM 5% 1/16W 1005
R143	0RJ2701D677	MCR03EZPJ272 2.7KOHM 5% 1/10W 16
R1430	0RJ1201C678	MCR01MZPJ122 1.2KOHM 5% 1/16W 10
R1431	0RJ1201C678	MCR01MZPJ122 1.2KOHM 5% 1/16W 10
R1433	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 100
R1436	0RJ1201C678	MCR01MZPJ122 1.2KOHM 5% 1/16W 10
R1438	0RJ1201C678	MCR01MZPJ122 1.2KOHM 5% 1/16W 10
R1439	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 100
R144	0RJ0472D677	MCR03EZPJ470 47OHM 5% 1/10W 1608
R145	0RJ2701D677	MCR03EZPJ272 2.7KOHM 5% 1/10W 16
R1452	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 160
R1453	0RJ4703D677	MCR03EZPJ474 470KOHM 5% 1/10W 16
R1454	0RJ4703D677	MCR03EZPJ474 470KOHM 5% 1/10W 16
R1455	0RJ4701D677	MCR03EZPJ472 4.7KOHM 5% 1/10W 16

LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
R1456	0RJ1501D677	MCR03EZPJ152 1.5KOHM 5% 1/10W 16
R146	0RJ2701D677	MCR03EZPJ272 2.7KOHM 5% 1/10W 16
R1460	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 100
R1461	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 100
R1462	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 100
R1463	0RJ1003D677	MCR03EZPJ104 100KOHM 5% 1/10W 16
R1465	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 100
R1466	0RJ1201C678	MCR01MZPJ122 1.2KOHM 5% 1/16W 10
R1467	0RJ1001D677	MCR03EZPJ102 1KOHM 5% 1/10W 1608
R1468	0RJ1201C678	MCR01MZPJ122 1.2KOHM 5% 1/16W 10
R1469	0RH0000D622	MCR10EZHJ000 0OHM 5% 1/8W 2012 R
R147	0RJ0472D677	MCR03EZPJ470 47OHM 5% 1/10W 1608
R1477	0RH0000D622	MCR10EZHJ000 0OHM 5% 1/8W 2012 R
R1478	0RH0000D622	MCR10EZHJ000 0OHM 5% 1/8W 2012 R
R148	0RJ0472D677	MCR03EZPJ470 47OHM 5% 1/10W 1608
R149	0RJ2701D677	MCR03EZPJ272 2.7KOHM 5% 1/10W 16
R150	0RJ0472D677	MCR03EZPJ470 47OHM 5% 1/10W 1608
R151	0RJ0472C678	MCR01MZPJ470 47OHM 5% 1/16W 1005
R152	0RJ0472D677	MCR03EZPJ470 47OHM 5% 1/10W 1608
R153	0RJ0472C678	MCR01MZPJ470 47OHM 5% 1/16W 1005
R154	0RJ1002D677	MCR03EZPJ103 10KOHM 5% 1/10W 160
R155	0RJ3303D677	MCR03EZPJ334 330KOHM 5% 1/10W 16
R157	0RJ0472D677	MCR03EZPJ470 47OHM 5% 1/10W 1608
R1607	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608
R1608	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608
R1609	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608
R162	0RJ0472D677	MCR03EZPJ470 47OHM 5% 1/10W 1608
R163	0RJ0472D677	MCR03EZPJ470 47OHM 5% 1/10W 1608
R164	0RJ1202D677	MCR03EZPJ123 12KOHM 5% 1/10W 160
R165	0RJ1002D677	MCR03EZPJ103 10KOHM 5% 1/10W 160
R166	0RJ0472D677	MCR03EZPJ470 47OHM 5% 1/10W 1608
R167	0RJ1002D677	MCR03EZPJ103 10KOHM 5% 1/10W 160
R168	0RJ1002D677	MCR03EZPJ103 10KOHM 5% 1/10W 160
R169	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608
R170	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608
R1703	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 100
R1704	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 100
R1706	0RJ0332C678	MCR01MZPJ330 33OHM 5% 1/16W 1005
R1708	0RJ0332D677	MCR03EZPJ330 33OHM 5% 1/10W 1608
R1709	0RJ1002D677	MCR03EZPJ103 10KOHM 5% 1/10W 160
R1710	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 1005
R1713	0RJ4701D677	MCR03EZPJ472 4.7KOHM 5% 1/10W 16
R1714	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005
R1714	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 1005
R1715	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 160
R1716	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 100
R1717	0RJ1002D677	MCR03EZPJ103 10KOHM 5% 1/10W 160
R1718	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 100
R1719	0RJ0332D677	MCR03EZPJ330 33OHM 5% 1/10W 1608
R1720	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 100
R1721	0RJ4701D677	MCR03EZPJ472 4.7KOHM 5% 1/10W 16
R1722	0RJ1002D677	MCR03EZPJ103 10KOHM 5% 1/10W 160
R1724	0RJ0332C678	MCR01MZPJ330 33OHM 5% 1/16W 1005
R1725	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005
R1725	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 1005

LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
R1726	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 160
R1727	0RJ0332D677	MCR03EZPJ330 33OHM 5% 1/10W 1608
R1728	0RJ0332D677	MCR03EZPJ330 33OHM 5% 1/10W 1608
R1729	0RJ0332D677	MCR03EZPJ330 33OHM 5% 1/10W 1608
R173	0RJ0472D677	MCR03EZPJ470 47OHM 5% 1/10W 1608
R1730	0RJ0332D677	MCR03EZPJ330 33OHM 5% 1/10W 1608
R1731	0RJ0332D677	MCR03EZPJ330 33OHM 5% 1/10W 1608
R1732	0RJ0332D677	MCR03EZPJ330 33OHM 5% 1/10W 1608
R1733	0RJ0332D677	MCR03EZPJ330 33OHM 5% 1/10W 1608
R1734	0RJ0332D677	MCR03EZPJ330 33OHM 5% 1/10W 1608
R1735	0RJ0332D677	MCR03EZPJ330 33OHM 5% 1/10W 1608
R1736	0RJ0332D677	MCR03EZPJ330 33OHM 5% 1/10W 1608
R1737	0RJ0332D677	MCR03EZPJ330 33OHM 5% 1/10W 1608
R1738	0RJ0332D677	MCR03EZPJ330 33OHM 5% 1/10W 1608
R1739	0RJ0332D677	MCR03EZPJ330 33OHM 5% 1/10W 1608
R1740	0RJ0332D677	MCR03EZPJ330 33OHM 5% 1/10W 1608
R1741	0RJ0332D677	MCR03EZPJ330 33OHM 5% 1/10W 1608
R1742	0RJ0332D677	MCR03EZPJ330 33OHM 5% 1/10W 1608
R1743	0RJ1000D477	MCR03EZPF101 100OHM 1% 1/10W 160
R1744	0RJ1500D477	MCR03EZPF151 150OHM 1% 1/10W 160
R1745	0RJ0222D677	MCR03EZPJ220 22OHM 5% 1/10W 1608
R1747	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 160
R1748	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 160
R1749	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 160
R175	0RJ1002D677	MCR03EZPJ103 10KOHM 5% 1/10W 160
R1750	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 1005
R1751	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 1005
R1752	0RJ4701D677	MCR03EZPJ472 4.7KOHM 5% 1/10W 16
R1753	0RJ4701D677	MCR03EZPJ472 4.7KOHM 5% 1/10W 16
R1754	0RJ2000C678	MCR01MZPJ201 200OHM 5% 1/16W 100
R1758	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 160
R1759	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 1005
R1760	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 1005
R1761	0RJ0222D677	MCR03EZPJ220 22OHM 5% 1/10W 1608
R1762	0RJ0222D677	MCR03EZPJ220 22OHM 5% 1/10W 1608
R1763	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 1005
R1764	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 1005
R1765	0RJ0222D677	MCR03EZPJ220 22OHM 5% 1/10W 1608
R1766	0RJ0222D677	MCR03EZPJ220 22OHM 5% 1/10W 1608
R1767	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 1005
R1768	0RJ0222D677	MCR03EZPJ220 22OHM 5% 1/10W 1608
R1769	0RJ0222D677	MCR03EZPJ220 22OHM 5% 1/10W 1608
R177	0RJ0472C678	MCR01MZPJ470 47OHM 5% 1/16W 1005
R1770	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 1005
R1771	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608
R1773	0RJ0222D677	MCR03EZPJ220 22OHM 5% 1/10W 1608
R1774	0RJ0222D677	MCR03EZPJ220 22OHM 5% 1/10W 1608
R1777	0RJ2201C678	MCR01MZPJ222 2.2KOHM 5% 1/16W 10
R1778	0RJ4701D677	MCR03EZPJ472 4.7KOHM 5% 1/10W 16
R178	0RJ0472D677	MCR03EZPJ470 47OHM 5% 1/10W 1608
R1780	0RJ4701D677	MCR03EZPJ472 4.7KOHM 5% 1/10W 16
R1784	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 160
R1788	0RJ1002D677	MCR03EZPJ103 10KOHM 5% 1/10W 160
R1789	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005
R1789	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 1005

LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
R179	0RJ0472C678	MCR01MZPJ470 47OHM 5% 1/16W 1005
R1790	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005
R1790	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 1005
R1791	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005
R1791	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 1005
R1792	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005
R1792	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 1005
R1793	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 1005
R1793	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005
R1794	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 1005
R1794	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005
R1795	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 1005
R1795	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005
R1796	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 1005
R1796	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005
R180	0RJ0472C678	MCR01MZPJ470 47OHM 5% 1/16W 1005
R183	0RJ3300D677	MCR03EZPJ331 330OHM 5% 1/10W 160
R184	0RJ3300D677	MCR03EZPJ331 330OHM 5% 1/10W 160
R185	0RJ0472C678	MCR01MZPJ470 47OHM 5% 1/16W 1005
R186	0RJ0472C678	MCR01MZPJ470 47OHM 5% 1/16W 1005
R187	0RJ0472C678	MCR01MZPJ470 47OHM 5% 1/16W 1005
R189	0RJ0000G676	MCR18EZHJ000_ 0OHM 5% 1/4W 3216
R192	0RJ4701D677	MCR03EZPJ472 4.7KOHM 5% 1/10W 16
R193	0RJ4701D677	MCR03EZPJ472 4.7KOHM 5% 1/10W 16
R195	0RJ4701D677	MCR03EZPJ472 4.7KOHM 5% 1/10W 16
R196	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 160
R197	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 160
R200	0RJ4701D677	MCR03EZPJ472 4.7KOHM 5% 1/10W 16
R201	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 160
R202	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 160
R203	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 160
R204	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 160
R205	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 160
R206	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 160
R207	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 160
R208	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 160
R209	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 160
R210	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 160
R211	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 160
R212	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 160
R213	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 160
R214	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 160
R215	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 160
R216	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 160
R217	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 160
R218	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 160
R219	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 160
R220	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 160
R221	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 160
R222	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 160
R223	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 160
R224	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 160
R225	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 160
R226	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 160
R227	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 160

LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
R228	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 160
R229	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 160
R230	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 160
R231	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 160
R232	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 160
R233	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 160
R234	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 160
R235	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 160
R236	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 160
R237	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 160
R238	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 160
R239	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 160
R241	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 160
R242	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 1005
R243	0RJ0222D677	MCR03EZPJ220 22OHM 5% 1/10W 1608
R244	0RJ0222D677	MCR03EZPJ220 22OHM 5% 1/10W 1608
R245	0RJ0222D677	MCR03EZPJ220 22OHM 5% 1/10W 1608
R246	0RJ0222D677	MCR03EZPJ220 22OHM 5% 1/10W 1608
R247	0RJ0222D677	MCR03EZPJ220 22OHM 5% 1/10W 1608
R248	0RJ0222D677	MCR03EZPJ220 22OHM 5% 1/10W 1608
R249	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 1005
R250	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 1005
R251	0RJ0222D677	MCR03EZPJ220 22OHM 5% 1/10W 1608
R255	0RJ4701D477	MCR03EZPF472 4.7KOHM 1% 1/10W 16
R256	0RJ1002D677	MCR03EZPJ103 10KOHM 5% 1/10W 160
R257	0RJ0222D677	MCR03EZPJ220 22OHM 5% 1/10W 1608
R258	0RJ0222D677	MCR03EZPJ220 22OHM 5% 1/10W 1608
R259	0RJ0222D677	MCR03EZPJ220 22OHM 5% 1/10W 1608
R260	0RJ0222D677	MCR03EZPJ220 22OHM 5% 1/10W 1608
R403	0RJ1002D677	MCR03EZPJ103 10KOHM 5% 1/10W 160
R407	0RJ1202D677	MCR03EZPJ123 12KOHM 5% 1/10W 160
R414	0RJ1001D677	MCR03EZPJ102 1KOHM 5% 1/10W 1608
R415	0RJ1001D677	MCR03EZPJ102 1KOHM 5% 1/10W 1608
R416	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608
R417	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608
R422	0RJ4701D677	MCR03EZPJ472 4.7KOHM 5% 1/10W 16
R437	0RJ0222D677	MCR03EZPJ220 22OHM 5% 1/10W 1608
R438	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608
R439	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 160
R441	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 160
R446	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 160
R448	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 160
R521	EBC32306001	MCR03EZP5FX9100 910OHM 1% 1/10W
R522	0RJ9311D477	MCR03EZPF9311 9.31KOHM 1% 1/10W
R523	0RJ1001D677	MCR03EZPJ102 1KOHM 5% 1/10W 1608
R524	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608
R526	0RJ2001D677	MCR03EZPJ202 2KOHM 5% 1/10W 1608
R527	0RJ2001D677	MCR03EZPJ202 2KOHM 5% 1/10W 1608
R528	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608
R531	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608
R534	0RJ1002D677	MCR03EZPJ103 10KOHM 5% 1/10W 160
R536	0RJ1002D677	MCR03EZPJ103 10KOHM 5% 1/10W 160
R537	0RJ1502D677	MCR03EZPJ153 15KOHM 5% 1/10W 160
R539	0RJ1002D677	MCR03EZPJ103 10KOHM 5% 1/10W 160
R540	0RJ1002D677	MCR03EZPJ103 10KOHM 5% 1/10W 160
R541	0RJ1002D677	MCR03EZPJ103 10KOHM 5% 1/10W 160
R543	0RJ1502D677	MCR03EZPJ153 15KOHM 5% 1/10W 160
R544	0RJ1002D677	MCR03EZPJ103 10KOHM 5% 1/10W 160
R547	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 160
R548	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 160
R550	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608
R554	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 160
R555	0RJ2202D677	MCR03EZPJ223 22KOHM 5% 1/10W 160
R556	0RJ4302D677	MCR03EZPJ433 43KOHM 5% 1/10W 160
R557	0RJ0222D677	MCR03EZPJ220 22OHM 5% 1/10W 1608
R558	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 160
R600	0RJ0332D677	MCR03EZPJ330 33OHM 5% 1/10W 1608
R603	0RJ0332D677	MCR03EZPJ330 33OHM 5% 1/10W 1608
R604	0RJ0332D677	MCR03EZPJ330 33OHM 5% 1/10W 1608
R605	0RJ0332D677	MCR03EZPJ330 33OHM 5% 1/10W 1608
R606	0RJ0332D677	MCR03EZPJ330 33OHM 5% 1/10W 1608
R607	0RJ0332D677	MCR03EZPJ330 33OHM 5% 1/10W 1608
R608	0RJ0332D677	MCR03EZPJ330 33OHM 5% 1/10W 1608
R609	0RJ0332D677	MCR03EZPJ330 33OHM 5% 1/10W 1608
R610	0RJ0332D677	MCR03EZPJ330 33OHM 5% 1/10W 1608
R611	0RJ0332D677	MCR03EZPJ330 33OHM 5% 1/10W 1608
R612	0RJ0332D677	MCR03EZPJ330 33OHM 5% 1/10W 1608
R613	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608
R624	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 160
R625	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 160
R626	0RJ0332D677	MCR03EZPJ330 33OHM 5% 1/10W 1608
R627	0RJ1003D677	MCR03EZPJ104 100KOHM 5% 1/10W 16
R629	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 160
R632	0RJ0472D677	MCR03EZPJ470 47OHM 5% 1/10W 1608
R633	0RJ0472D677	MCR03EZPJ470 47OHM 5% 1/10W 1608
R636	0RJ4701D677	MCR03EZPJ472 4.7KOHM 5% 1/10W 16
R637	0RJ4700D677	MCR03EZPJ471 470OHM 5% 1/10W 160
R639	0RJ0822D677	MCR03EZPJ820 82OHM 5% 1/10W 1608
R640	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608
R642	0RJ1002D677	MCR03EZPJ103 10KOHM 5% 1/10W 160
R644	0RJ1001D677	MCR03EZPJ102 1KOHM 5% 1/10W 1608
R646	0RJ2700D677	MCR03EZPJ271 270OHM 5% 1/10W 160
R647	0RJ2200D677	MCR03EZPJ221 220OHM 5% 1/10W 160
R648	0RJ1001D677	MCR03EZPJ102 1KOHM 5% 1/10W 1608
R649	0RJ1500D677	MCR03EZPJ151 150OHM 5% 1/10W 160
R650	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 160
R651	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608
R652	0RJ2001D677	MCR03EZPJ202 2KOHM 5% 1/10W 1608
R653	0RJ1002D677	MCR03EZPJ103 10KOHM 5% 1/10W 160
R654	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608
R655	0RJ1002D677	MCR03EZPJ103 10KOHM 5% 1/10W 160
R657	0RJ0102D677	MCR03EZPJ100 10OHM 5% 1/10W 1608
R658	0RJ2201D677	MCR03EZPJ222 2.2KOHM 5% 1/10W 16
R659	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608
R662	0RH0000D622	MCR10EZHJ000 0OHM 5% 1/8W 2012 R
R663	0RH0000D622	MCR10EZHJ000 0OHM 5% 1/8W 2012 R
R664	0RH0000D622	MCR10EZHJ000 0OHM 5% 1/8W 2012 R
R665	0RH0000D622	MCR10EZHJ000 0OHM 5% 1/8W 2012 R
R666	0RH0000D622	MCR10EZHJ000 0OHM 5% 1/8W 2012 R
R667	0RH0000D622	MCR10EZHJ000 0OHM 5% 1/8W 2012 R

LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
R668	0RH0000D622	MCR10EZHJ000 0OHM 5% 1/8W 2012 R
R669	0RH0000D622	MCR10EZHJ000 0OHM 5% 1/8W 2012 R
R670	0RH0000D622	MCR10EZHJ000 0OHM 5% 1/8W 2012 R
R671	0RH0000D622	MCR10EZHJ000 0OHM 5% 1/8W 2012 R
R672	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608
R673	0RH0000D622	MCR10EZHJ000 0OHM 5% 1/8W 2012 R
R674	0RH0000D622	MCR10EZHJ000 0OHM 5% 1/8W 2012 R
R675	0RH0000D622	MCR10EZHJ000 0OHM 5% 1/8W 2012 R
R676	0RH0000D622	MCR10EZHJ000 0OHM 5% 1/8W 2012 R
R677	0RH0000D622	MCR10EZHJ000 0OHM 5% 1/8W 2012 R
R678	0RH0000D622	MCR10EZHJ000 0OHM 5% 1/8W 2012 R
R679	0RH0000D622	MCR10EZHJ000 0OHM 5% 1/8W 2012 R
R680	0RH0000D622	MCR10EZHJ000 0OHM 5% 1/8W 2012 R
R681	0RH0000D622	MCR10EZHJ000 0OHM 5% 1/8W 2012 R
R682	0RH0000D622	MCR10EZHJ000 0OHM 5% 1/8W 2012 R
R684	0RH0000D622	MCR10EZHJ000 0OHM 5% 1/8W 2012 R
R685	0RH0000D622	MCR10EZHJ000 0OHM 5% 1/8W 2012 R
R686	0RH0000D622	MCR10EZHJ000 0OHM 5% 1/8W 2012 R
R687	0RH0000D622	MCR10EZHJ000 0OHM 5% 1/8W 2012 R
R688	0RH0000D622	MCR10EZHJ000 0OHM 5% 1/8W 2012 R
R700	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 1005
R700	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005
R701	0RJ1002D677	MCR03EZPJ103 10KOHM 5% 1/10W 160
R702	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608
R703	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 100
R704	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005
R704	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 1005
R705	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 100
R707	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 100
R708	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 1005
R709	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 100
R710	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 100
R711	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 100
R712	0RJ0222D677	MCR03EZPJ220 22OHM 5% 1/10W 1608
R713	0RJ0332C678	MCR01MZPJ330 33OHM 5% 1/16W 1005
R715	0RJ0332C678	MCR01MZPJ330 33OHM 5% 1/16W 1005
R717	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 100
R718	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 160
R720	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 100
R722	0RJ1002D677	MCR03EZPJ103 10KOHM 5% 1/10W 160
R723	0RJ0222D677	MCR03EZPJ220 22OHM 5% 1/10W 1608
R724	0RJ0332D677	MCR03EZPJ330 33OHM 5% 1/10W 1608
R725	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 100
R726	0RJ2000C678	MCR01MZPJ201 200OHM 5% 1/16W 100
R727	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 100
R728	0RJ1002D677	MCR03EZPJ103 10KOHM 5% 1/10W 160
R729	0RJ4701D677	MCR03EZPJ472 4.7KOHM 5% 1/10W 16
R731	0RJ0332C678	MCR01MZPJ330 33OHM 5% 1/16W 1005
R733	0RJ0562D677	MCR03EZPJ560 56OHM 5% 1/10W 1608
R734	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 100
R735	0RJ1002D677	MCR03EZPJ103 10KOHM 5% 1/10W 160
R736	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005
R736	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 1005
R737	0RJ4701D677	MCR03EZPJ472 4.7KOHM 5% 1/10W 16
R739	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 100

LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
R740	0RJ0222D677	MCR03EZPJ220 22OHM 5% 1/10W 1608
R741	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 100
R743	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005
R743	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 1005
R744	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005
R745	0RJ1002D677	MCR03EZPJ103 10KOHM 5% 1/10W 160
R746	0RJ1002D677	MCR03EZPJ103 10KOHM 5% 1/10W 160
R747	0RJ1002D677	MCR03EZPJ103 10KOHM 5% 1/10W 160
R748	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 100
R749	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 1005
R749	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005
R750	0RJ0332C678	MCR01MZPJ330 33OHM 5% 1/16W 1005
R751	0RJ0222D677	MCR03EZPJ220 22OHM 5% 1/10W 1608
R752	0RJ0332C678	MCR01MZPJ330 33OHM 5% 1/16W 1005
R754	0RJ0562D677	MCR03EZPJ560 56OHM 5% 1/10W 1608
R755	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 100
R756	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 1005
R757	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 100
R759	0RJ0562D677	MCR03EZPJ560 56OHM 5% 1/10W 1608
R762	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 100
R764	0RJ0562D677	MCR03EZPJ560 56OHM 5% 1/10W 1608
R767	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 160
R769	0RJ0222D677	MCR03EZPJ220 22OHM 5% 1/10W 1608
R770	0RJ0332D677	MCR03EZPJ330 33OHM 5% 1/10W 1608
R770	0RJ0152D677	MCR03EZPJ150 15OHM 5% 1/10W 1608
R771	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 1005
R772	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 100
R775	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 100
R777	0RJ0332C678	MCR01MZPJ330 33OHM 5% 1/16W 1005
R778	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 100
R779	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 100
R780	0RJ4701D677	MCR03EZPJ472 4.7KOHM 5% 1/10W 16
R781	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 160
R782	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 160
R783	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 100
R784	0RJ0222D677	MCR03EZPJ220 22OHM 5% 1/10W 1608
R785	0RJ1002D677	MCR03EZPJ103 10KOHM 5% 1/10W 160
R786	0RJ1002D677	MCR03EZPJ103 10KOHM 5% 1/10W 160
R787	0RJ0222D677	MCR03EZPJ220 22OHM 5% 1/10W 1608
R788	0RJ0332D677	MCR03EZPJ330 33OHM 5% 1/10W 1608
R790	0RJ0332D677	MCR03EZPJ330 33OHM 5% 1/10W 1608
R790	0RJ0152D677	MCR03EZPJ150 15OHM 5% 1/10W 1608
R791	0RJ4701D677	MCR03EZPJ472 4.7KOHM 5% 1/10W 16
R792	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 1005
R793	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 100
R794	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 100
R795	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 1005
R796	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 100
R797	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 100
R798	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 1005
R798	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005
R799	0RJ4701D677	MCR03EZPJ472 4.7KOHM 5% 1/10W 16
R800	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608
R801	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608
R805	0RJ0222D677	MCR03EZPJ220 22OHM 5% 1/10W 1608

LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
R807	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608
R808	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608
R810	0RJ1001D677	MCR03EZPJ102 1KOHM 5% 1/10W 1608
R811	0RJ0222D677	MCR03EZPJ220 22OHM 5% 1/10W 1608
R812	0RJ1002D677	MCR03EZPJ103 10KOHM 5% 1/10W 160
R813	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 1005
R816	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608
R818	0RJ1002D677	MCR03EZPJ103 10KOHM 5% 1/10W 160
R821	0RJ1500C678	MCR01MZPJ151 150OHM 5% 1/16W 100
R822	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608
R823	0RJ3000C678	MCR01MZPJ301 300OHM 5% 1/16W 100
R825	0RJ3000C678	MCR01MZPJ301 300OHM 5% 1/16W 100
R826	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608
R827	0RJ1500C678	MCR01MZPJ151 150OHM 5% 1/16W 100
R829	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608
R837	0RJ4701D677	MCR03EZPJ472 4.7KOHM 5% 1/10W 16
R838	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 160
R839	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608
R840	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608
R843	0RJ1002D677	MCR03EZPJ103 10KOHM 5% 1/10W 160
R857	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 100
R859	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 100
R860	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 100
R877	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 100
R880	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 100
R881	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 100
R882	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 100
R883	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 100
R884	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 100
R885	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 100
R886	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 100
R888	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 100
R891	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 100
R892	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 100
R893	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 100
R894	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 100
R897	0RJ1500D677	MCR03EZPJ151 150OHM 5% 1/10W 160
R898	0RJ1500D677	MCR03EZPJ151 150OHM 5% 1/10W 160
R900	0RJ1002D677	MCR03EZPJ103 10KOHM 5% 1/10W 160
R901	0RJ1002D477	MCR03EZPF103 10KOHM 1% 1/10W 160
R902	0RJ2002D477	MCR03EZPF203 20KOHM 1% 1/10W 160
R910	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608
R911	0RJ1002D677	MCR03EZPJ103 10KOHM 5% 1/10W 160
R913	0RJ1002D677	MCR03EZPJ103 10KOHM 5% 1/10W 160
R915	0RJ1001D677	MCR03EZPJ102 1KOHM 5% 1/10W 1608
R916	0RJ1002D677	MCR03EZPJ103 10KOHM 5% 1/10W 160
R917	0RJ1002D677	MCR03EZPJ103 10KOHM 5% 1/10W 160
R918	0RJ1002D677	MCR03EZPJ103 10KOHM 5% 1/10W 160
R919	0RJ1002D677	MCR03EZPJ103 10KOHM 5% 1/10W 160
R920	0RJ1002D677	MCR03EZPJ103 10KOHM 5% 1/10W 160
R923	0RJ1001D677	MCR03EZPJ102 1KOHM 5% 1/10W 1608
R924	0RJ1002D677	MCR03EZPJ103 10KOHM 5% 1/10W 160
R925	0RJ1002D677	MCR03EZPJ103 10KOHM 5% 1/10W 160
R926	0RJ1002D677	MCR03EZPJ103 10KOHM 5% 1/10W 160
R928	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608

LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
R930	0RJ1002D677	MCR03EZPJ103 10KOHM 5% 1/10W 160
R932	0RJ1001D677	MCR03EZPJ102 1KOHM 5% 1/10W 1608
R933	0RJ1001D677	MCR03EZPJ102 1KOHM 5% 1/10W 1608
R934	0RJ1002D677	MCR03EZPJ103 10KOHM 5% 1/10W 160
		CONNECTOR
J1100	6630G70016A	"Connector,DSUBA03-7071-094 D-SUB"
J1102	6630G70017A	"Connector,DSUBA02-0915-101 D-SUB"
P100	6602T25008B	"Connector,WaferSMW250-03P 3P 2.5"
P100	6602T20009L	"Connector,WaferSMAW200-12P 12P 2"
P100	6602T20009C	"Connector,WaferSMAW200-04P 4P 2."
P101	6602T20008N	"Connector,WaferSMW200-14P 14P 2."
P101	6602T20009C	"Connector,WaferSMAW200-04P 4P 2."
P1105	6602T20008L	"Connector,WaferSMW200-12P 12P 2."
P1300	6602T25008B	"Connector,WaferSMW250-03P 3P 2.5"
P1301	6602T25008C	"Connector,WaferSMW250-04P 4P 2.5"
P1400	6602T20008N	"Connector,WaferSMW200-14P 14P 2."
P801	6630V93270A	"Connector,WaferFI-RE51S-HFK-A 51"
P900	6602T25008M	"Connector,WaferSMW250-13P 13P 2."
P901	6602T25008J	"Connector,WaferSMW250-10P 10P 2."
CA1	5240VE0001C	"Harness,SingleRING D4.3 RING D4."
CA10	6631900010N	"Harness,Single12P 2.0MM 900MM SM"
CA11	6631900012C	"Harness,SingleSMH250 SMH250 200m"
CA12	6631900027C	"Harness,SingleSMH250 SMH250 200m"
CA13	6631900099A	"Harness,SingleSMH250 SMP250 300m"
CA14	6631T20033E	"Harness,SingleSMH200-14P SMH200-"
CA15	EAD30301901	"Harness,SingleDMS 4P CONNECTOR A"
CA16	EAD36184801	"Harness,SingleSMH250 SMH250 400M"
CA2	6631900097F	"Harness,SingleYEONHO)SMH250 3509"
CA3	6631900098F	"Harness,SingleSMH250 35097/35098"
CA6	6631900049D	"Harness,Single14P-14P INVERTER C"
CA7	6631900133F	"Harness,Single6631900133F (JAE)"
CA7	EAD36608901	"Harness,SingleSMH200-12P SMH200-"
CA8	6631T20032V	"Harness,SingleINVERTER 12P(2.0MM"
CA8	6631900063G	"Harness,Single6631900063G SMH200"
		JACKs
J1000	6612B00015B	DC1R019WDH SOCKET 21P STRAIGHT S
J1001	6612B00015B	DC1R019WDH SOCKET 21P STRAIGHT S
J1101	6612F00099A	PEJ024-01 1P 4P STRAIGHT TR 3.6M
J1200	6612M00010A	PSC003-01 21P 21P/1C 3.81MM STRA
J1201	6612M00010A	PSC003-01 21P 21P/1C 3.81MM STRA
J1203	6612J10031B	PPJ209-01 14.0MM 1RX3C ANGLE BK
J600	6612J10023A	KCN-BT-0-0053 10.5MM/11.5MM 1RX1
JK100	6612J10033A	PMJ016-13 13P DIN/RCA 14MM ANGLE
		SWITCHes
SW100	EBF32593901	TMUE312GAB 1C1P 12VDC 0.5A VERTI
SW101	140-313B	KPT-1115AM 1C1P 12VDC 0.05A HORI
SW102	140-313B	KPT-1115AM 1C1P 12VDC 0.05A HORI
SW103	140-313B	KPT-1115AM 1C1P 12VDC 0.05A HORI
SW104	140-313B	KPT-1115AM 1C1P 12VDC 0.05A HORI
SW105	140-313B	KPT-1115AM 1C1P 12VDC 0.05A HORI

LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
SW106	140-313B	KPT-1115AM 1C1P 12VDC 0.05A HORI
SW107	140-313B	KPT-1115AM 1C1P 12VDC 0.05A HORI
SW108	140-313B	KPT-1115AM 1C1P 12VDC 0.05A HORI
SW700	EBF32593901	TMUE312GAB 1C1P 12VDC 0.5A VERTI
		OTHERs
B1	3890900400A	BoxBOX SW 376 286 50 1 COLOR ACC
B2	3890TKD002P	BoxLB500J(PCB) BRAND 542*397*445
B3	3890TKD002P	BoxLB500J(PCB) BRAND 542*397*445
B5	3890TKD002Q	BoxRZ-42LZ30 BRAND PCB MATER CAR
B6	MAY32943811	BoxBOX DW 1087 180 338 NO PRINTI
B6	3890TKD002P	BoxLB500J(PCB) BRAND 542*397*445
B7	MAY36824501	BoxBOX DW 1103 836 358 2 COLOR 4
D100	0DLLT0110AA	"LED,DIPLTL-1BEHJ-1 ROUND 3MM RED"
IC100	6712000013A	Receiver ModuleTSOP4438SO1 4.5TO
IC201	SAA30310929	"S/W,Firmware3.05 3F78 EUROPE FLA"
IC802	SAA30715305	"S/W,FirmwareV2.37 A8F6 EUROPE FL"
P1	3918TKK038J	Packing538*390 LB500J PCB
P10	MFZ32949101	PackingMOLD EPS 42LC4 EPS 42LC4
P11	3918TKK038P	Packing1140*790 FOR L1515SL
P12	3918TKK038V	Packing(565*385) RZ-42LZ30
P13	MFZ37372401	PackingBOX DW 575 50 395 NO PRIN
P14	3918TKK038J	Packing538*390 LB500J PCB
P15	3918TKK040A	Packing542*70 MAIN PCB(B)
P16	3918TKK040B	Packing397*70 LB500J MAIN PCB(S)
P17	400-C17F	Packing(1000X1050)CS771 DIGITAL
P2	3918TKK040A	Packing542*70 MAIN PCB(B)
P3	3918TKK040B	Packing397*70 LB500J MAIN PCB(S)
P4	400-C17F	Packing(1000X1050)CS771 DIGITAL
P5	3918TKK038J	Packing538*390 LB500J PCB
P6	3918TKK040A	Packing542*70 MAIN PCB(B)
P7	3918TKK040B	Packing397*70 LB500J MAIN PCB(S)
P8	400-C17F	Packing(1000X1050)CS771 DIGITAL
P9	400-C02H	PackingCARTON (MV202)
TU600	EBL32961502	"Tuner,DigitalTDFC-G106P DVB-T/PA"
X100	6212AC2002B	Crystal9H03200164 32.768KHZ 20PP
X101	6212AB2883A	CrystalHC-49SM 27.00000MHZ 27MHZ
X1300	156-A02R	CrystalEUA18.4320F16E33L 18.432M
X700	6212AB2015J	CrystalHC-49SM 19.66080HZ 19.660

LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION

IC100

STI5100GUC

SIi5100 Decoupling Capacitors

[EEPROM]

DDR TERMINATION OPTIONs

DDR Termination Power

VTT Decoupling Capacitors

DDR Termination Resistors

DDR SDRAM 16MB/32MB/64MB

DDR Series Resistors

BOOT FLASH 4MB/8MB

[SCART PIN8]

4.89V / 9.09V_120ohm(LOAD)

5.19V / 10.91V_1Kohm(LOAD)

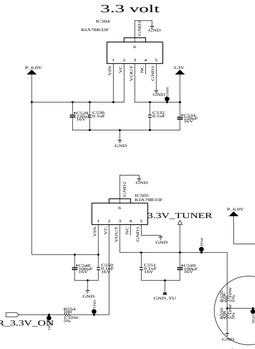
CI OPTIONs(UK)

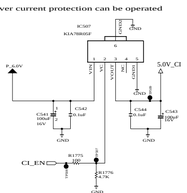
OPTION
ST UART FOR DEBUG

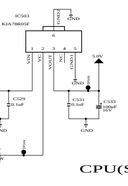
SPDIF OPTIC JACK
OPTION

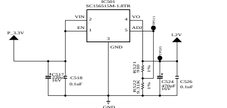
FAN OPTION

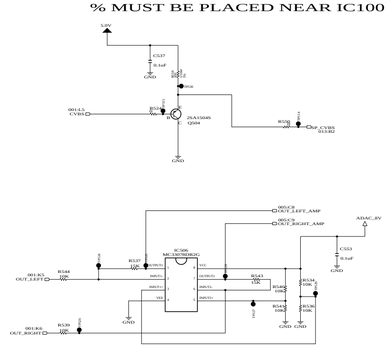
I2S SWITCHING (DTV&HDMI)

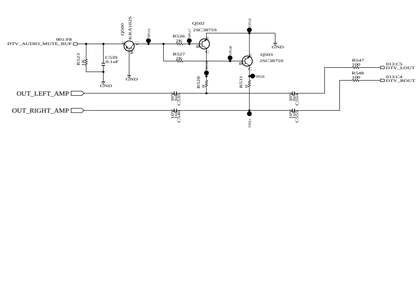


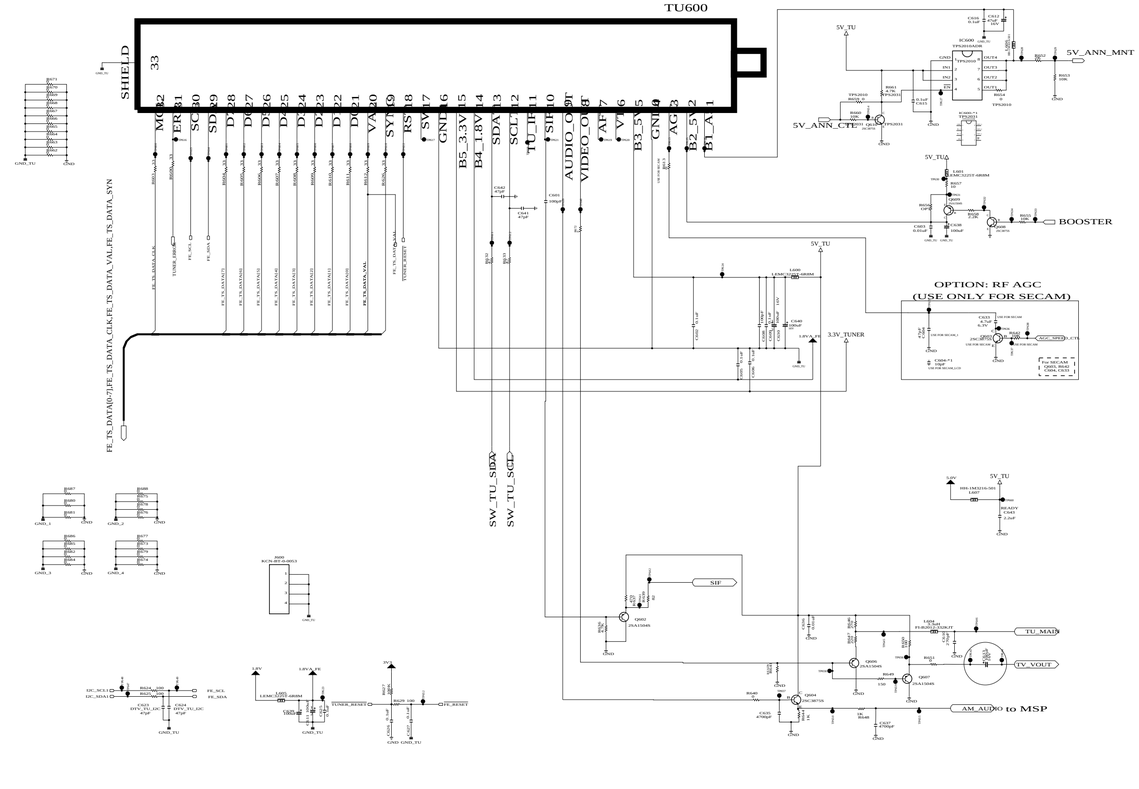


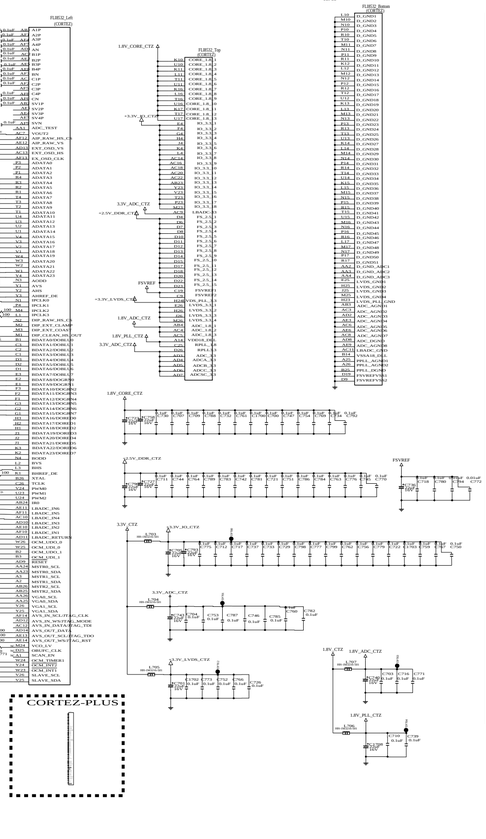












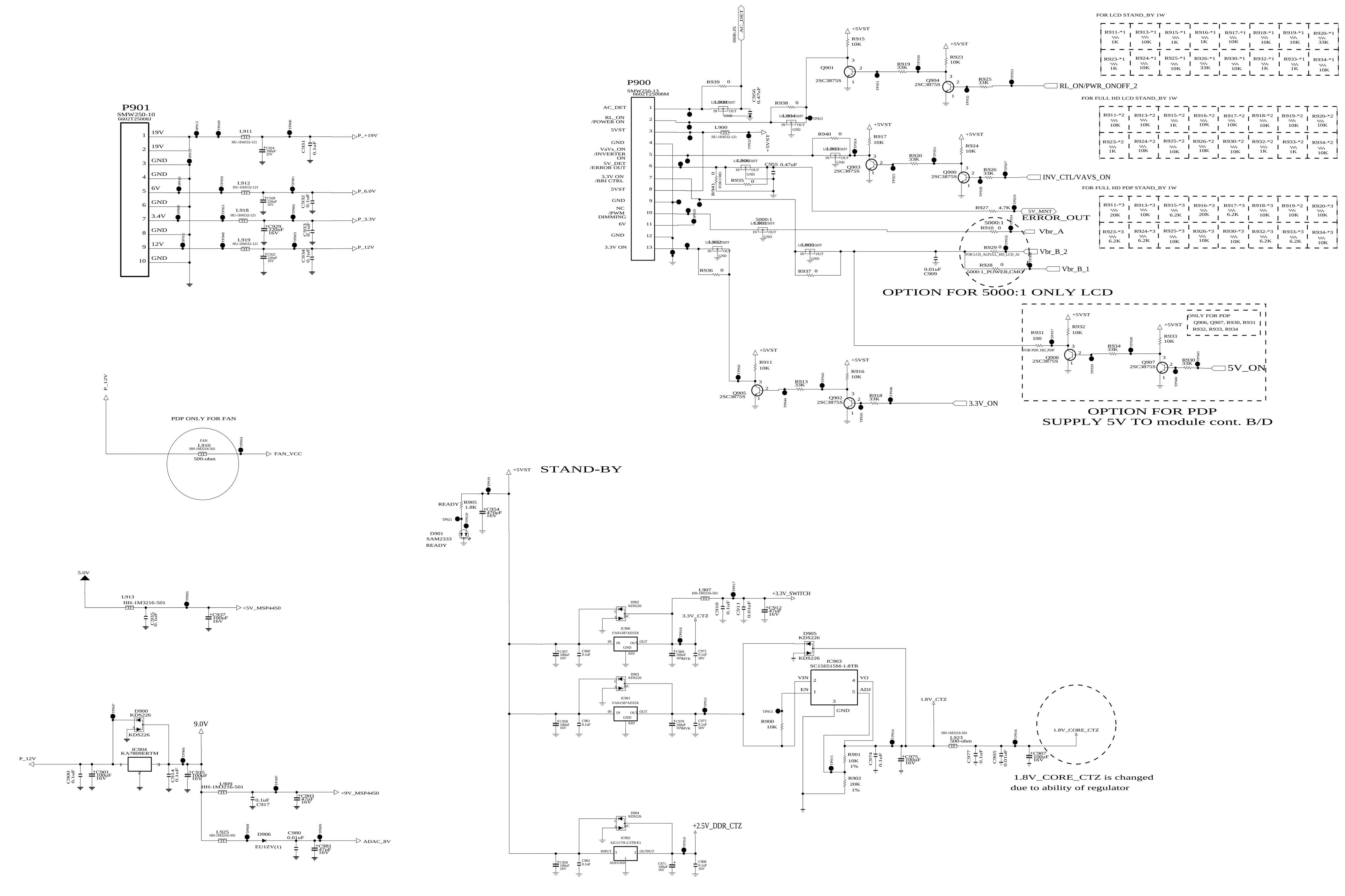
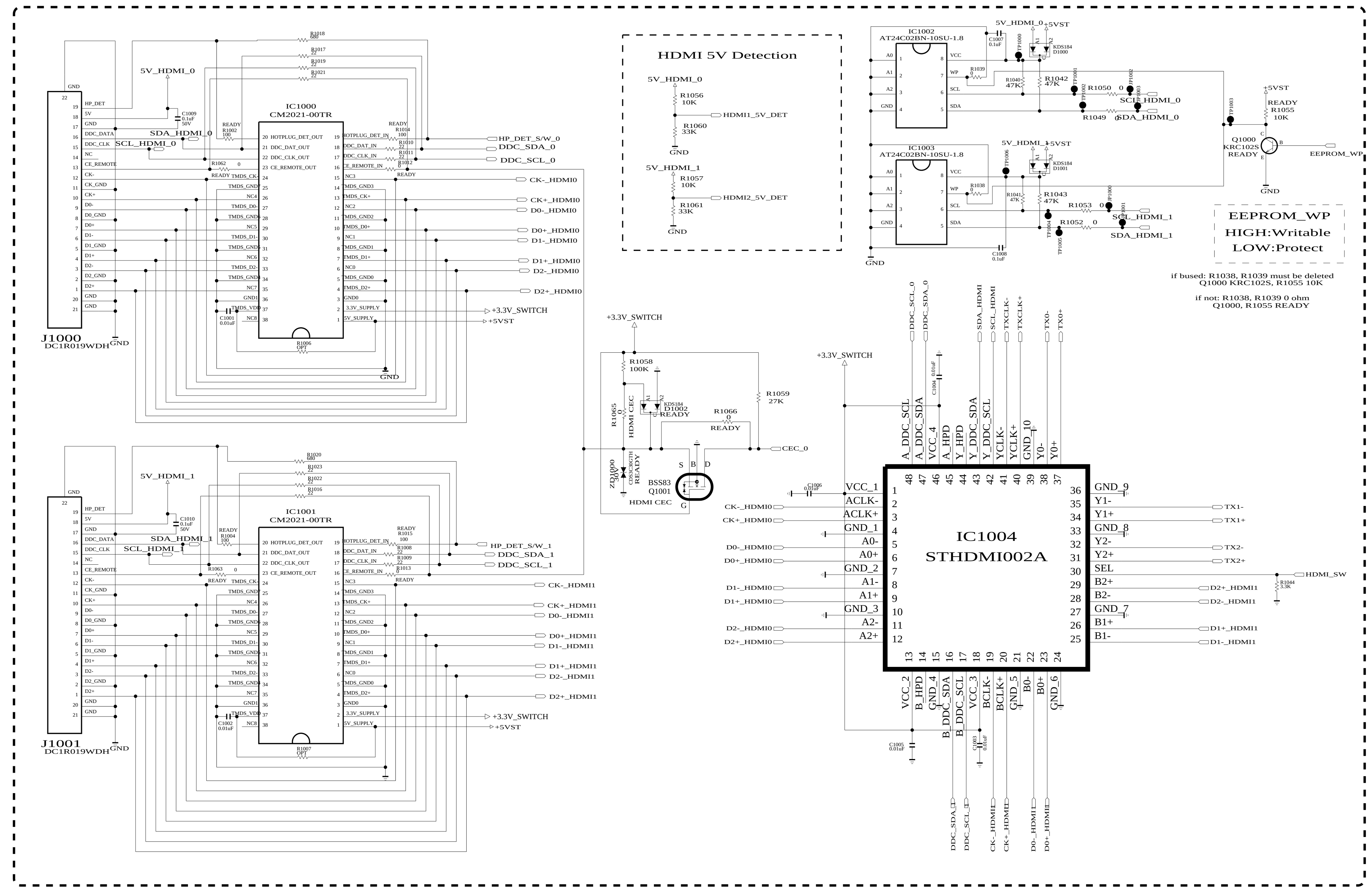
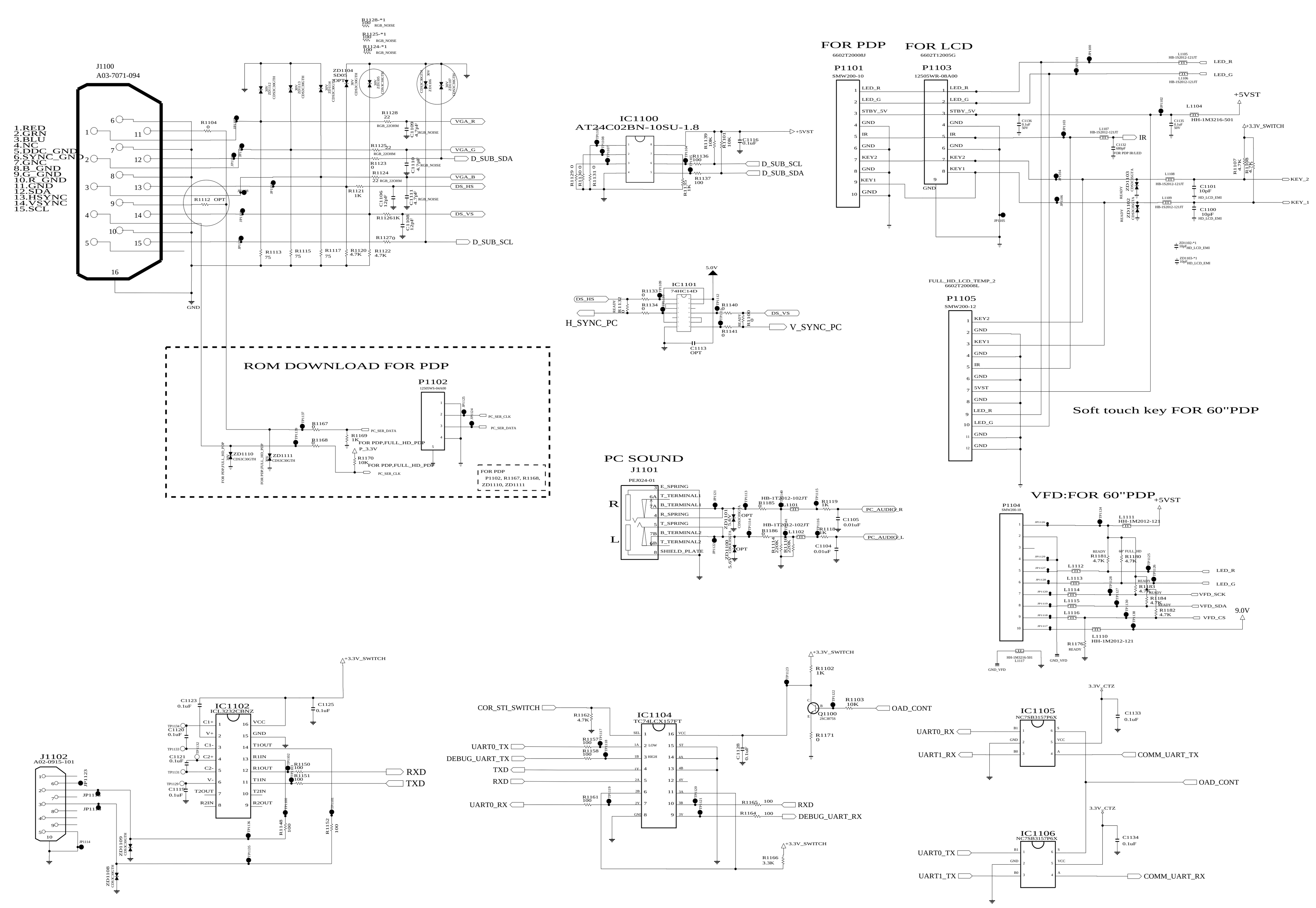
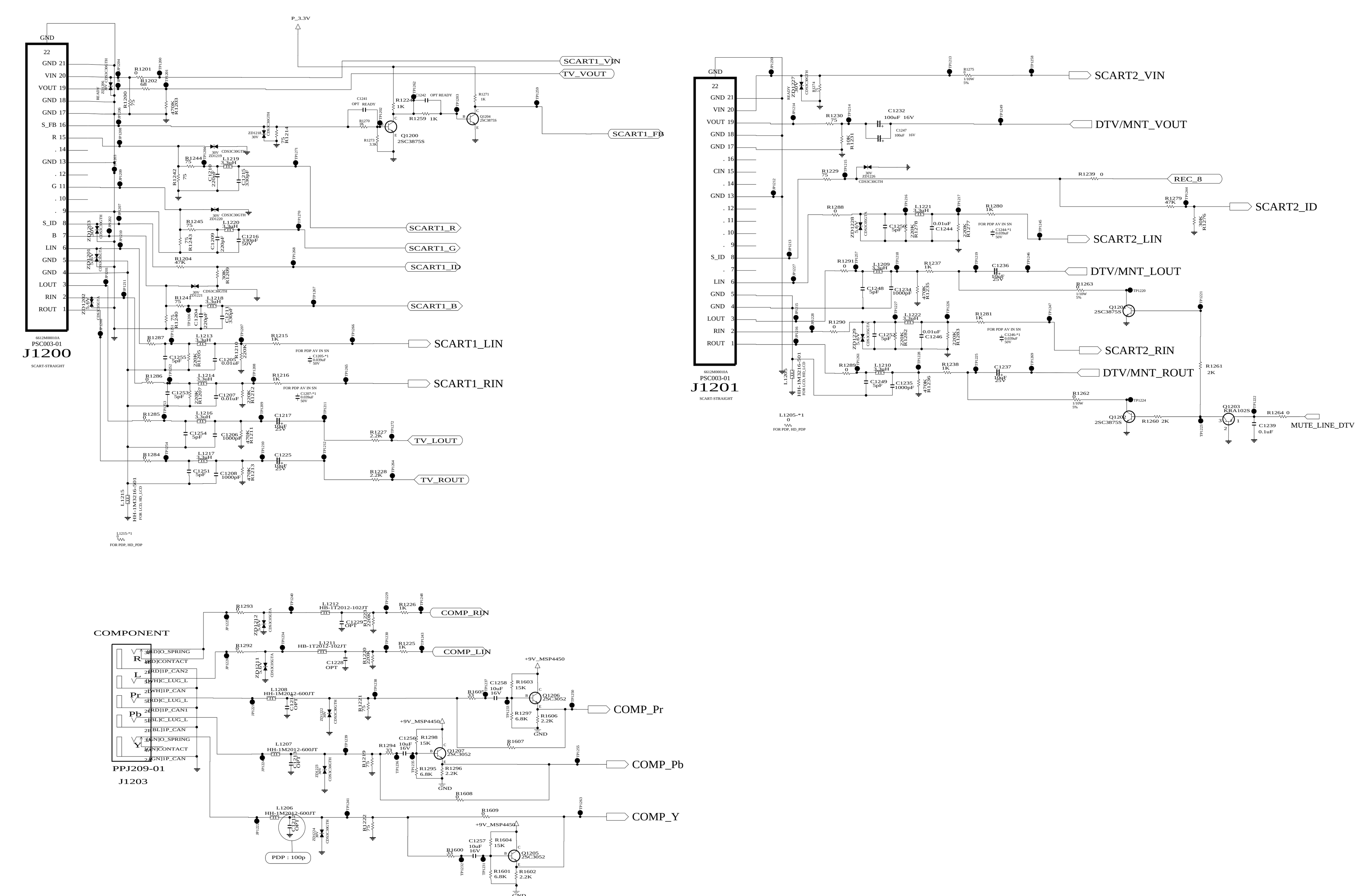
[POWER BLOCK]
3.3 volt
5.0V For only C.I.
Over current protection can be operated
5.0 volt
3.3V_TUNER
TUNER_3.3V_ON
Min of Vc:2V Ic:20uA
CPU(STi5100) core 1.25 volt
DDR SDRAM 2.5 VOLT
1.8V Regulator for TUNER
Locate close to the TUNER
CI_EN
GND

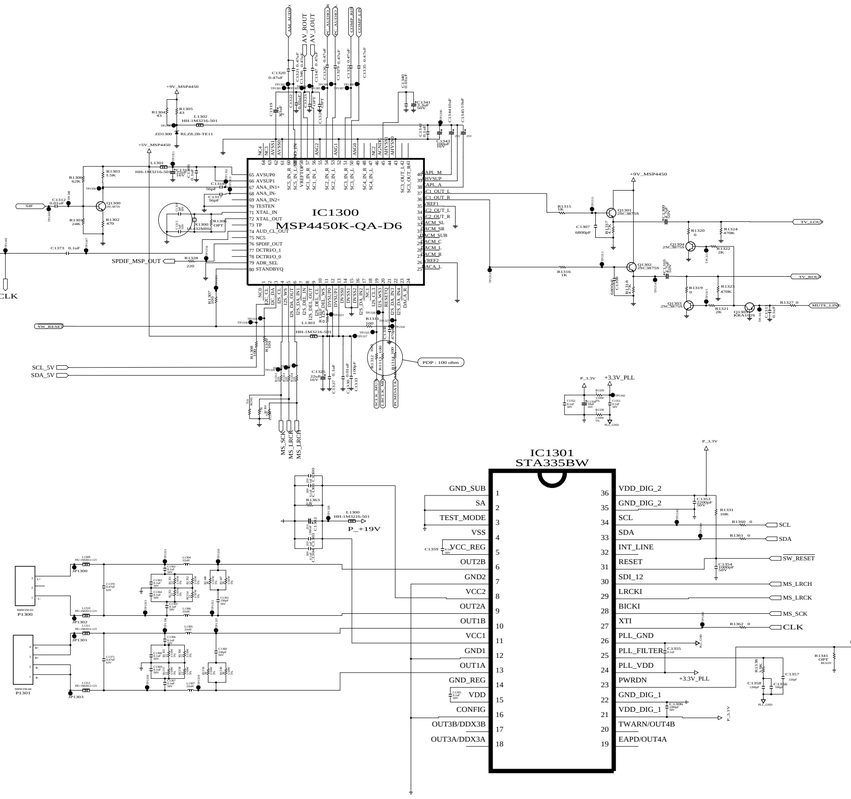
% MUST BE PLACED NEAR IC100
OUT_LEFT
OUT_RIGHT
DTV_AUDIO_MUTE_BUF
OUT_LEFT_AMP
OUT_RIGHT_AMP
DTV_LOUT
DTV_ROUT
GND

TDFC-G106P
TU600
SHIELD
33
5V_ANN_MNT
5V_ANN_CTL
BOOSTER
OPTION: RF AGC
(USE ONLY FOR SECAM)
3.3V_TUNER
5V_TU
FE_TS_DATA[0-7],FE_TS_DATA_CLK,FE_TS_DATA_VAL,FE_TS_DATA_SYN
SW_TU_SDA
SW_TU_SCL
SIF
TU_MAIN
TV_VOUT
AM_AUDIO to MSP
B5_3.3V
B4_1.8V
SDA
SCL
AUDIO_OUT
VIDEO_OUT
AGC
B2_5V
B1_A

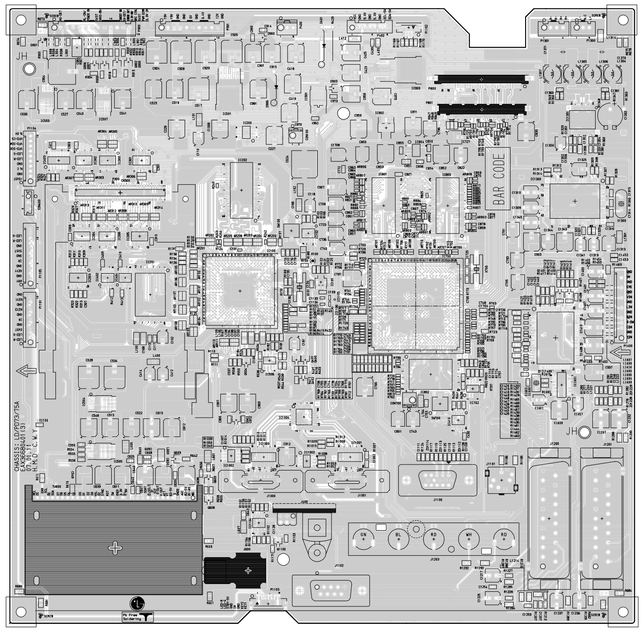
HDCP
EEPROM
I2C FULL-UP
CORTEZ-PLUS
FSDATA[0-31]
FSADDR[0-12]
OCMDATA[0-15]
OCMADDR[0-21]

PANEL POWER FOR LCD
PANNEL WAFER
PDP OPTION
Must be placed
on the top side
ROM_CS
FOR BASIC
IC801-*1
V_TERMINATION
FSCK-
FSCK+
256M DDR Only one used:IC801
In case of Full-HD:Both of 128M(250MHz) Must be used
IC801
IC800
FSDQS0
FSDQS1
FSDQS2
FSDQS3
FSDQM0
FSDQM1
FSDQM2
FSDQM3
FSWE
FSCAS
FSRAS
FSCS0
FSCKE
FSBKSEL0
FSBKSEL1
FSDATA[0-31]
FSADDR[0-12]
LCD OPTION

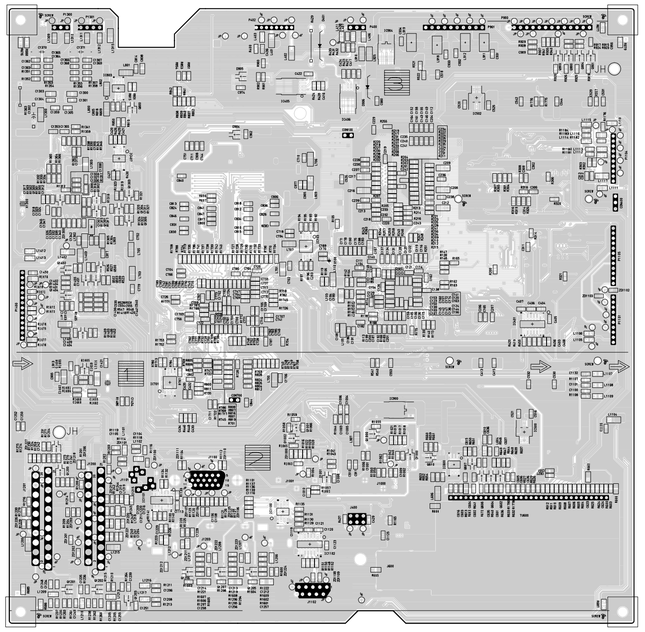

P901
P900
ERROR_OUT
OPTION FOR 5000:1 ONLY LCD
OPTION FOR PDP
SUPPLY 5V TO module cont. B/D
5V_ON
STAND-BY
1.8V_CORE_CTZ is changed
due to ability of regulator

HDMI 5V Detection
J1000
J1001
IC1000
CM2021-00TR
IC1001
CM2021-00TR
IC1002
IC1003
IC1004
STHDMI002A
EEPROM_WP
HIGH:Writable
LOW:Protect
HDMI CEC

J1100
IC1100
FOR PDP
FOR LCD
P1101
P1103
ROM DOWNLOAD FOR PDP
P1102
Soft touch key FOR 60"PDP
P1105
PC SOUND
J1101
VFD:FOR 60"PDP
H_SYNC_PC
V_SYNC_PC
IC1102
IC1104
IC1105
IC1106
J1102
RXD
TXD

J1200
J1201
SCART1_FB
SCART1_LIN
SCART1_RIN
TV_LOUT
TV_ROUT
SCART2_VIN
DTV/MNT_VOUT
SCART2_ID
SCART2_LIN
DTV/MNT_LOUT
SCART2_RIN
DTV/MNT_ROUT
COMPONENT
J1203
COMP_RIN
COMP_LIN
COMP_Pr
COMP_Pb
COMP_Y



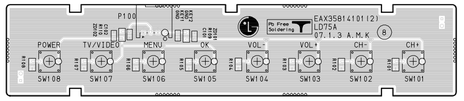
MAIN (TOP)



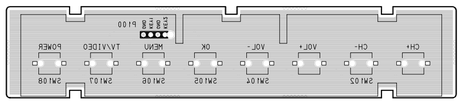
MAIN (BOTTOM)



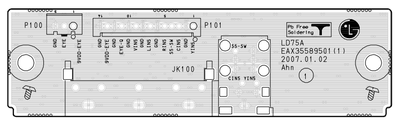
CONTROL KEY (TOP)



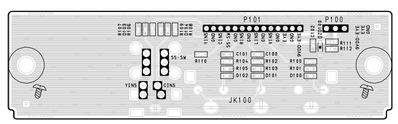
CONTROL KEY (BOTTOM)



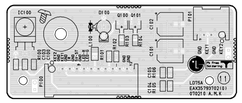
SIDE AV (TOP)



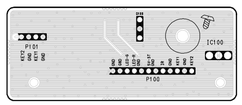
SIDE AV (BOTTOM)



AMP (TOP)



AMP (BOTTOM)



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