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LCD TV

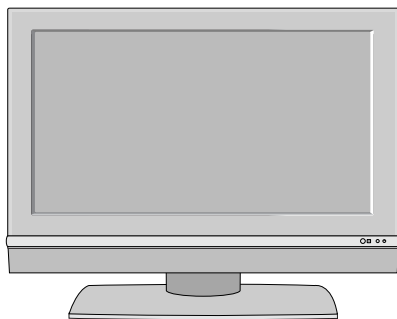
SERVICE MANUAL

CHASSIS : MF-056M
FACTORY MODEL : 42LC2RR-ZL

MODEL : 42LC2RR

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 $\triangle$ in the Schematic Diagram and Replacement Parts List.

It is essential that these special safety parts should be replaced with the same components as recommended in this manual to prevent Shock, Fire, or other Hazards.

Do not modify the original design without permission of manufacturer.

General Guidance

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

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

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

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

Keep wires away from high voltage or high temperature parts.

Before returning the receiver to the customer,

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

Leakage Current Cold Check(Antenna Cold Check)

With the instrument AC plug removed from AC source, connect an electrical jumper across the two AC plug prongs. Place the AC switch in the on position, connect one lead of ohm-meter to the AC plug prongs tied together and touch other ohm-meter lead in turn to each exposed metallic parts such as antenna terminals, phone jacks, etc.

If the exposed metallic part has a return path to the chassis, the measured resistance should be between $1M\Omega$ and $5.2M\Omega$.

When the exposed metal has no return path to the chassis the reading must be infinite.

An other abnormality exists that must be corrected before the receiver is returned to the customer.

Leakage Current Hot Check (See below Figure)

Plug the AC cord directly into the AC outlet.

Do not use a line Isolation Transformer during this check.

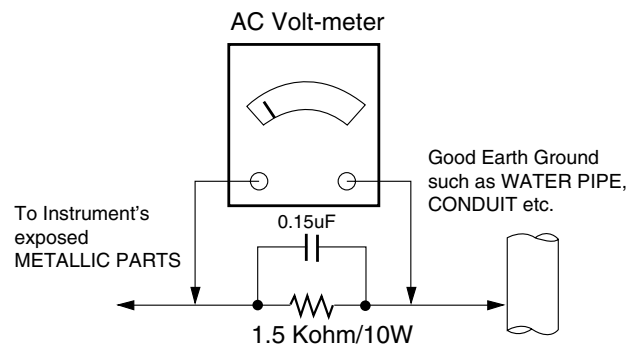
Connect 1.5K/10watt resistor in parallel with a 0.15uF capacitor between a known good earth ground (Water Pipe, Conduit, etc.) and the exposed metallic parts.

Measure the AC voltage across the resistor using AC voltmeter with 1000 ohms/volt or more sensitivity.

Reverse plug the AC cord into the AC outlet and repeat AC voltage measurements for each exposed metallic part. Any voltage measured must not exceed 0.75 volt RMS which corresponds to 0.5mA.

In case any measurement is out of the limits specified, there is possibility of shock hazard and the set must be checked and repaired before it is returned to the customer.

Leakage Current Hot Check circuit



SERVICING PRECAUTIONS

CAUTION: Before servicing receivers covered by this service manual and its supplements and addenda, read and follow the *SAFETY PRECAUTIONS* on page 3 of this publication.

NOTE: If unforeseen circumstances create conflict between the following servicing precautions and any of the safety precautions on page 3 of this publication, always follow the safety precautions. Remember: Safety First.

General Servicing Precautions

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

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

Electrostatically Sensitive (ES) Devices

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

1. Immediately before handling any semiconductor component or semiconductor-equipped assembly, drain off any electrostatic charge on your body by touching a known earth ground. Alternatively, obtain and wear a commercially available discharging wrist strap device, which should be removed to prevent potential shock reasons prior to applying power to the

unit under test.

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

General Soldering Guidelines

1. Use a grounded-tip, low-wattage soldering iron and appropriate tip size and shape that will maintain tip temperature within the range or 500°F to 600°F.
2. Use an appropriate gauge of RMA resin-core solder composed of 60 parts tin/40 parts lead.
3. Keep the soldering iron tip clean and well tinned.
4. Thoroughly clean the surfaces to be soldered. Use a mall wire-bristle (0.5 inch, or 1.25cm) brush with a metal handle. Do not use freon-propelled spray-on cleaners.
5. Use the following unsoldering technique
 - a. Allow the soldering iron tip to reach normal temperature. (500°F to 600°F)
 - b. Heat the component lead until the solder melts.
 - c. Quickly draw the melted solder with an anti-static, suction-type solder removal device or with solder braid.
CAUTION: Work quickly to avoid overheating the 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

- 1) This spec sheet is applied all of the 42" LCD TV with MF056M chassis.
- 2) Not included spec and each product spec in this spec sheet apply correspondingly to the following each country standard and requirement of Buyer

3. Test method

- 1) Performance : LGE TV test method followed
- 2) Demanded other specification
 - Safety : UL, CSA, IEC specification
 - EMC : FCC, ICES, IEC specification

2. Specification

Each part is tested as below without special appointment.

- 1) Temperature : $20 \pm 5^{\circ}\text{C}$
- 2) Relative Humidity : $65 \pm 10\%$
- 3) Power Voltage : Standard input voltage
(100~240V@50/60Hz)

* Standard Voltage of each product 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.

4.General Specification(TV)

No	Item	Specification	Remark
1.	Video input applicable system	PAL-D/K, B/G, I, NTSC-M, SECAM NTSC 4.43	
2.	Receivable Broadcasting System	1) PAL/SECAM BG 2) PAL/SECAM DK 3) PAL I/I 4) SECAM L/L'	NTSC M(Optional)
3.	RF Input Channel	VHF : E2 ~ E12 UHF : E21 ~ E69 CATV : S1 ~ S20 HYPER : S21~ S47	PAL
		L/L' : B, C, D	FRANCE
4.	Input Voltage	AC 100 ~ 240V/50Hz, 60Hz	
5.	Market	EU	
6.	Picture Size	940.3mm (diagonal)	37.02 inch
7.	Tuning System	FVS 100 program	PAL, 200 PR.(Optional)
8.	Operating Environment	1) Temp : 0 ~ 35 deg 2) Humidity : 10~80 %RH	
9.	Storage Environment	3) Temp : -20 ~ 60 deg 4) Humidity : 10~80 %	
10.	Display	LCD Module	LPL
11.	Aspect ratio	16:9	

5. General Specification

No	Item	Specification			Remark
1	Panel	37" TFT WXGA LCD			
2	Frequency range	H : 31 ~ 61Khz V : 56 ~ 75Hz			PC Input
3	Control Function	1) Contrast/Brightness 2) H-Position / V-Position 3) Tracking : Clock / Phase 4) Auto Configure 5) Reset			
4	Component Jack	1 : Y 3 : Pb 5 : Pr 7 : LINE1 Ready 9 : LINE2 11 : LINE3 13 : LINE3 Ready			Middle east / China
5		H/V-Sync	Video	Power consumption	LED
	Power ON	-	-	≤ 250W	White
	Stand by	-	-	≤ 3.0W	Red
	Rec. on Stand by	-	-	≤ 3.0W	Amber
6	LCD Module				
		Type Size	37"	877.0 x 516.8 x 55.5	(H)x(V)x(D)
		Pixel Pitch	37"	0.200 x 0.600 x RGB	
		Pixel Format	1366 horiz. By 768 vert. Pixels RGB strip arrangement		
		Coating	Hard coating(3H), Anti-glare reatment of the front polarizer		
		Back Light	37"	20EEFL	

6. Optical Feature(LCD Module)

No	Item	Specification					
			Min.	Typ.	Max.	Remark	
1	Viewing Angle <CR≥10>	R/L, U/D		178			
2	Luminance	Luminance(cd/m²)	400	500		Unit : cd/m² Condition:Maximum Luminance of LCD Module	
			250	350		Condition:RF/AV, PSM:Dynamic,Full White	
			250	300		Condition:PC/HDMI, PSM:Dynamic,Full White	
		Variation			1.3	MAX/MIN	
3	Contrast Ratio	CR	600	800			
		CR _D (With AI)	1200	1600			
4	CIE Color Coordinates	White	Wx	Typ -0.03	0.285	Typ +0.03	LPL(37") Condition:216 Pattern (85IRE), PSM Dynamic
			Wy		0.293		
		Red	Xr		0.640		
			Yr		0.341		
		Green	Xg		0.287		
			Yg		0.610		
		Blue	Xb		0.146		
			Yb		0.069		

9. Mechanical specification

No,	Item	Content			Remark
1	Product Dimension		Width(W)	Length(D)	Height(H)
		Before Packing	944	286	726
		After Packing	1052	383	855
2	Product Weight	Only SET	32.2Kg		
		With Box	37.1kg		

7. Component Video Input (Y, C_B/P_B, CR/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 50Hz
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 50Hz,

8. RGB PC/DTV

No	Resolution	H-freq(kHz)	V-freq.(Hz)	Pixel clock(MHz)	Proposed
PC					
1	720*400	31.468	70.8	28.321	
2	640*480	31.469	59.94	25.17	VESA
		37.684	75.00	31.5	VESA
3	800*600	37.879	60.31	40.00	VESA
		46.875	75	49.5	VESA
4	832*624	49.725	74.55	57.283	
5	1024*768	48.363	60.00	65.00	VESA(XGA)
		56.47	70.00	75.00	VESA(XGA)
		60.123	75.029	78.75	VESA(XGA)
6	1280*768	47.776	59.870	79.50	VESA(WXGA)
7	1360*768	47.720	59.799	84.75	VESA(WXGA)
8	1366*768	47.720	59.799	84.75	Supported
DTV					
9	720*576	31.25	50.00	SDTV 576p 50Hz	
10	720*480	31.47	59.94	SDTV 480p 60Hz	
11	1280*720	45.00	50.00	HDTV 720p 50Hz	HDCP
12	1280*720	44.96	59.94	HDTV 720p 60Hz	HDCP
13	1920*1080	28.13	50.00	HDTV 1080i 50Hz	HDCP
14	1920*1080	33.72	59.94	HDTV 1080i 60Hz	HDCP

9. HDMI Input (PC/DTV)

No	Resolution	H-freq(kHz)	V-freq.(Hz)	Pixel clock(MHz)	Proposed
PC					
1	720*400	31.468	70.8	28.321	
2	640*480	31.469	59.94	25.17	VESA
		37.684	75.00	31.5	VESA
3	800*600	37.879	60.31	40.00	VESA
		46.875	75	49.5	VESA
4	832*624	49.725	74.55	57.283	
5	1024*768	48.363	60.00	65.00	VESA(XGA)
		56.47	70.00	75.00	VESA(XGA)
		60.123	75.029	78.75	VESA(XGA)
6	1280*768	47.776	59.870	79.50	VESA(WXGA)
7	1360*768	47.720	59.799	84.75	VESA(WXGA)
8	1366*768	47.720	59.799	84.75	Supported
DTV					
9	720*576	31.25	50.00	SDTV 576p 50Hz	
10	720*480	31.47	59.94	SDTV 480p 60Hz	
11	1280*720	45.00	50.00	HDTV 720p 50Hz	HDCP
12	1280*720	44.96	59.94	HDTV 720p 60Hz	HDCP
13	1920*1080	28.13	50.00	HDTV 1080i 50Hz	HDCP
14	1920*1080	33.72	59.94	HDTV 1080i 60Hz	HDCP

10. Mechanical specification

<Table 1> Scart Arrangement 1.(Full Scart)

Pin	Signal	Signal Level	Impedance
1	Audio Output B (right)	0.5 Vrms	< 1K Ω
2	Audio Input B (right)	0.5 Vrms	> 10K Ω
3	Audio Output A (left)	0.5 Vrms	< 1K Ω
4	Ground (audio)	-	-
5	Ground (blue)	-	-
6	Audio input A (left)	0.5 Vrms	> 10K Ω
7	Blue input	0.7 V	75 Ω
8	Function Select (AV control)	High (9.5 - 12V)-AV Mode Mid (5 - 8V) - Wide Screen, Low (0 - 2V) - TV Mode	> 10K Ω
9	Ground (Green)	-	-
10	-		
11	Green input	0.7 V	75 Ω
12	-		
13	Ground (Red)	-	-
14	-	-	-
15	Red input	0.7 V	75 Ω
16	RGB Switching Control	High (1 ~3V) ?RGB, Low (0 - 0.4V) -Composite	75 Ω
17	Ground (Video input & Output)	-	-
18	Ground (RGB Switching Control)	-	-
19	Video output (Composite)	1V including sync	75 Ω
20	Video input (Composite)	1V including sync	75 Ω
21	Common ground (Shield)	-	-

<Table 2> Scart Arrangement 2.(Half Scart)

Pin	Signal	Signal Level	Impedance
1	Audio Output B (right)	0.5 Vrms	< 1K Ω
2	Audio Input B (right)	0.5 Vrms	> 10K Ω
3	Audio Output A (left)	0.5 Vrms	< 1K Ω
4	Ground (audio)	-	-
5	Ground (audio)	-	-
6	Audio input A (left)	0.5 Vrms	> 10K Ω
7	-	-	-
8	Function Select (AV control)	High (9.5 - 12V) - AV Mode Mid (5 - 8V) - Wide Screen, Low (0 - 2V) - TV Mode	> 10K Ω
9	-	-	-
10	-	-	-
11	-	-	-
12	-	-	-
13	Ground	-	-
14	-	-	-
15	S-Video C input		
16	-	-	-
17	Ground (Video input & Output)	-	-
18	Ground	-	-
19	Video output (Composite)	1V including sync	75 Ω
20	Video input (Composite / S-Video Y)	1V including sync	75 Ω
21	Common ground (Shield)	-	-

ADJUSTMENT INSTRUCTION

1. Application Range

This spec sheet is applied all of the 42" LCD TV, MF-056M chassis by manufacturing LG TV Plant or sort plants.

2. Specification.

- 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.
- 2) Adjustment must be done in the correct sequence.
- 3) The adjustment must be performed at $25 \pm 5^\circ\text{C}$ temperature and $65 \pm 10\%$ relative humidity if there is no specified designation.
- 4) The input voltage of the receiver must be kept between 100~220V, 50/60Hz.
Before adjustment, execute Heat-Run for 30 minutes at RF no signal.

3. Channel Memory

3.1. Setting up the LGIDS

- 1) Install the LGIDS
- 2) After installation, restart your PC.
- 3) Extract [files.zip] to folder [c:\LGIDS\files]
- 4) Start LGIDS.

3.2. Channel memory method

- 1) Press TILT key in Adjust remocon(Automatic setting).
- 2) Setting up like bottom figure
Confirmation : Press ADJ Key in the Adjust remocon. Select "System Control" by using $\blacktriangle/\blacktriangledown$ (CH+/-) key, and press $\blacksquare$ (ENTER).

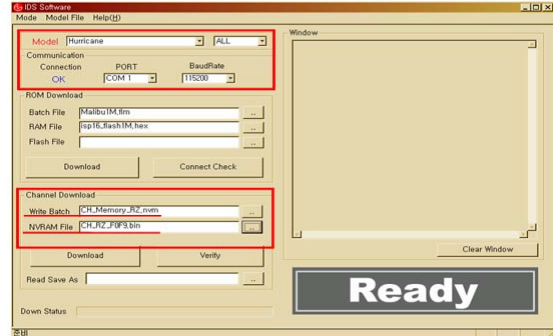
MF-056A	
Cortez Version	1.00
Hudson Version	1.00
Panel Used	40 Hr.

Tool Option	59
Area Option	16
OPTION 1	102
OPTION 2	2
OPTION 3	3
OPTION 4	192
System Control	
Panel Control	

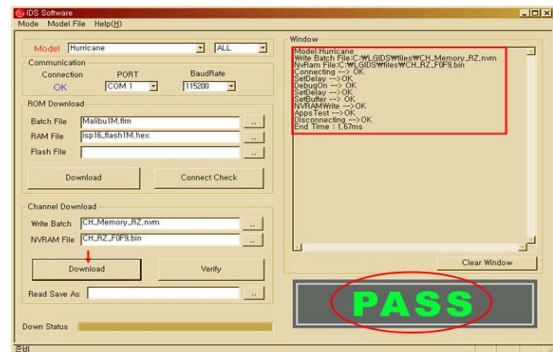
System Control	
System	4-SYS
Over Scan	5%
Orbit Fixel	2
Orbit Step	2
Orbit Time	120
Sec.	
Inv.Time	30
Min.	

- 3) Connect RS232 cable. (Use the general RS-232C Twisted Serial Cable)
- 4) Operate LGIDS.
- 5) Select "Hurricane" and "ALL" on Model dialog and check your connection in Communication dialog.
(If your connection is 'NG', then set your PORT (COM1,2,3,...) correctly.
If your connection has completed, you can see **[READY]**

- 6) Select proper CH_memory file(*.nvm) for each model at [Channel Download]—>[Write Batch]. Next, select proper binary file(*.bin) including the CH information for each model at [Channel Download] —> [NVRAM File].



- 7) Click the [Download] button.
It means the completion of the CH memory download if all items show 'OK' and Status is changed by 'PASS' at the lower right corner of the window



4. Sub Program Download

4.1. Sub Program Download for "Hudson"

- 1) Press TILT key in Adjust remocon(Automatic setting).

MF-056A	
Cortez Version	1.00
Hudson Version	1.00
Panel Used	40 Hr.

Tool Option	59
Area Option	16
OPTION 1	102
OPTION 2	2
OPTION 3	3
OPTION 4	192
System Control	
Panel Control	

System Control	
System	4-SYS
Over Scan	5%
Orbit Fixel	2
Orbit Step	2
Orbit Time	120
Sec.	
Inv.Time	30
Min.	

- 2) Setting up like bottom figure
(Confirmation: Press ADJ Key in the Adjust remocon. Select "System Control" by using $\blacktriangle/\blacktriangledown$ (CH+/-) key, and press $\blacksquare$ (ENTER).)

- 3) Connect RS232 cable(Use Download Jig and general RS-232C Twisted Serial Cable)

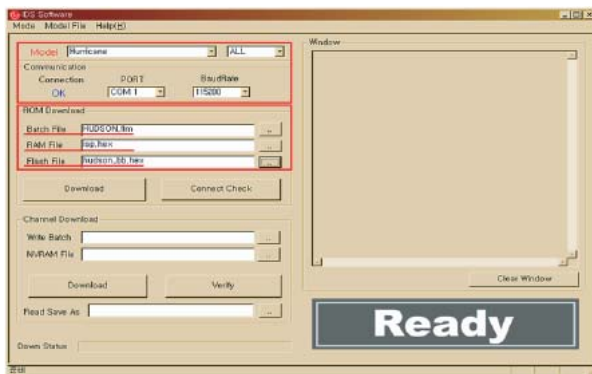


* Before upgrading "Hudson flash memory", push the switch on the download jig 'inside'. 4) Operate LGIDS.

- 5) Select "Hurricane" and "ALL" on Model dialog and check your connection in Communication dialog.
(If your connection is "NG", then set your PORT (COM1,2,3,...)) correctly.

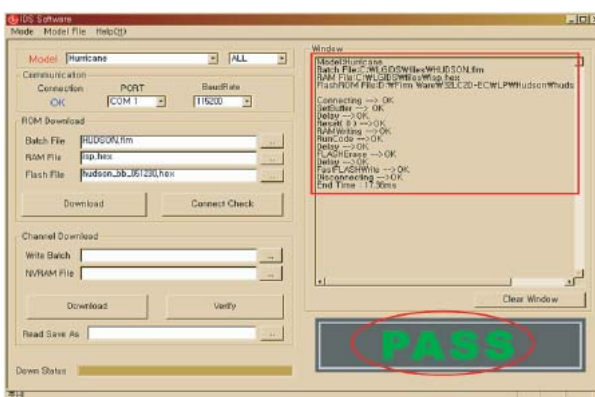
If your connection has completed, you can see [Ready].

- 6) First, select proper Batch file(*.flm) for each model at [ROM Download] → [Batch File].
Second, select proper RAM file(*.hex) for each model at [ROM Download] → [RAM File].
Third, select proper Flash File(*.hex) for each model at [ROM Download] → [Flash File].



- 7) Click the [Download] button.

It means the completion of the Hudson download if all items show 'OK' and Status is changed by 'PASS' at the lower right corner of the window.



4.2. Sub Program Download for "DVR"

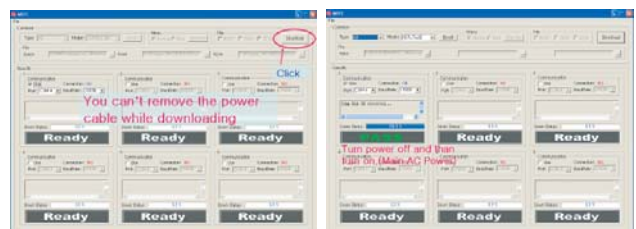
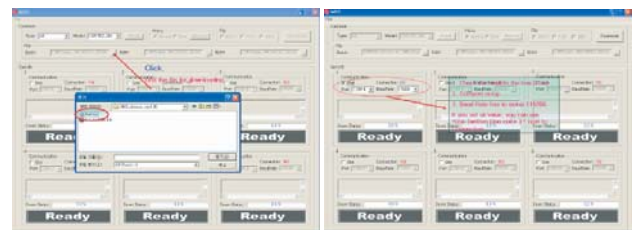
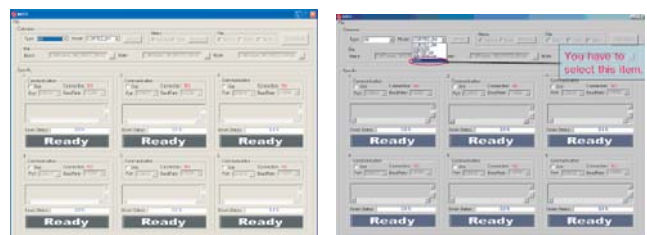
- 1) Download Setup

- You must change the DVR Download mode by using the Turbo Sound Key on the remote controller.



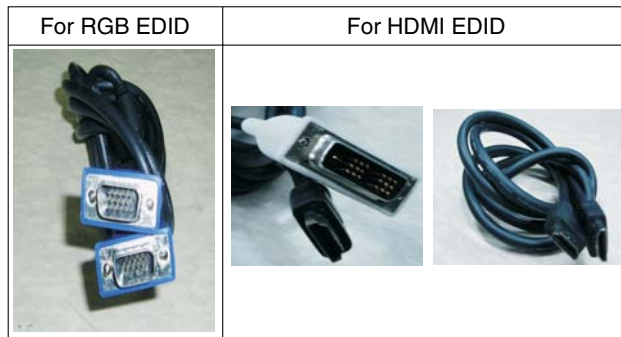
- 2) MDS Program Setup

-Open the MDS Program



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

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



5.1. EDID Data

Item	Condition	Data
Manufacturer	GSM	1E6D
Version	Digital : 1	01
Revision	Digital : 3	03

5.2. Data

1) ANALOG (128byte)

	0x00	0x01	0x02	0x03	0x04	0x05	0x06	0x07	0x08	0x09	0x0A	0x0B	0x0C	0x0D	0x0E	0x0F
0x00	00	FF	FF	FF	FF	FF	FF	00	1E	6D	(a)	(a)	(b)	(b)	(b)	(b)
0x01	(C)	(C)	01	03	01	46	27	78	0A	D9	B0	A3	57	49	9C	25
0x02	11	49	4B	A5	6E	80	31	40	01	01	01	01	45	40	01	01
0x03	61	40	01	01	01	01	1B	21	50	A0	51	00	1E	30	48	88
0x04	35	00	BC	88	21	00	00	1C	4E	1F	00	80	51	00	1E	30
0x05	40	80	37	00	BC	88	21	00	00	18	00	00	00	FD	00	38
0x06	48	1F	3D	09	00	0A	20	20	20	20	20	20	00	00	00	FC
0x07	00	(d)	(d)	(d)	(d)	(d)	(d)	(d)	(d)	(d)	(d)	0A	20	20	00	(e)

2) HDMI (256byte)

	0x00	0x01	0x02	0x03	0x04	0x05	0x06	0x07	0x08	0x09	0x0A	0x0B	0x0C	0x0D	0x0E	0x0F
0x00	00	FF	FF	FF	FF	FF	FF	00	1E	6D	(a)	(a)	(b)	(b)	(b)	(b)
0x01	(C)	(C)	01	03	80	46	27	78	0A	D9	B0	A3	57	49	9C	25
0x02	11	49	4B	A5	6E	80	31	40	01	01	01	01	45	40	01	01
0x03	61	40	01	01	01	01	1B	21	50	A0	51	00	1E	30	48	88
0x04	35	00	BC	88	21	00	00	1C	4E	1F	00	80	51	00	1E	30
0x05	40	80	37	00	BC	88	21	00	00	18	00	00	00	FC	00	(d)
0x06	48	(d)	(d)	(d)	(d)	(d)	(d)	(d)	(d)	0A	20	20	00	00	00	FD
0x07	00	38	4B	1F	3D	09	00	0A	20	20	20	20	20	20	01	(e)

	0x00	0x01	0x02	0x03	0x04	0x05	0x06	0x07	0x08	0x09	0x0A	0x0B	0x0C	0x0D	0x0E	0x0F
0x00	02	03	24	F1	49	85	04	02	01	03	11	12	13	14	23	09
0x01	07	07	23	09	07	07	23	09	07	07	83	01	00	00	65	03
0x02	0C	00	10	00	01	1D	00	80	51	D0	1C	20	40	80	35	00
0x03	BC	88	21	00	00	1E	8C	0A	D0	8A	20	E0	2D	10	10	3E
0x04	96	00	13	8E	21	00	00	18	2A	12	00	10	41	43	17	20
0x05	28	60	35	00	00	00	32	00	00	1C	01	1D	80	18	71	1C
0x06	16	20	58	2C	25	00	C4	8E	21	00	00	9E	00	00	00	00
0x07	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	6B

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

Model Name	Product ID	Product ID		
		Dec	Hex	EDID Table
37LC2RR-ZL	30083(A)	30083(A)	7583	6175
	30084(D)	30084(D)	7584	6275
42LC2RR-ZL	40035(A)	40035(A)	9C63	6175
	40036(D)	40036(D)	9C64	6275
42LC2RR-CL	40053(A)	40053(A)	9C75	6175
	40054(D)	40054(D)	9C76	6275

(a) Product ID

(b) SerialNo : Controlled on production line

(c) Month, Year : Controlled on production line
: ex) Monthly : '03' -> '03' / Year : '2005' -> '0F'

(d) Model Name(Hex)

Model Name	Model Name (HEX)
37LC2RR-ZL	33 37 4C 43 32 52 52 2D 5A 4C
42LC2RR-ZL	34 32 4C 43 32 52 52 2D 5A 4C
42LC2RR-CL	34 32 4C 43 32 52 52 2D 43 4C

(e) Checksum : Changeable by total EDID data

6. ADC Calibrate

ADC	RF/AV/S-VIDEO		Component	DVI(RGB)
MSPG9225F	INPUT select	AV4 - ZL	Model:217(720P)	Model: 37
		AV3 - CL	Pattern: 33	(1024*768 60Hz)
	Model: 202(PAL-BGDHI) Pattern: 33 * PAL 100% Color Bar		* 720P 100% Color Bar	Pattern: 33 * Color Bar

6.1. Adjustment of RF/AV/S-VIDEO

(1) Required Equipment

- 1) Remote controller for adjustment
- 2) MSPG-925F Pattern Generator (Which has Video Signal: 100% Color Bar Pattern shown in [Fig. 1])
-> Model: 202 / Pattern: 33
Case1) EC and FC model use PAL-BGDHI (composite signal)

(2) Method of Auto RF/AV/S-VIDEO Color Balance.

- 1) Input the Video Signal: 100% Color Bar signal into AV4(ZL)/AV3(CL)
- 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) Auto-RGB OK means the adjustment is completed.

6.2. Adjustment of Component

(1) Required Equipments

- 1) Remote controller for adjustment
- 2) MSPG-925F Pattern Generator -> Model:217/Pattern:33 (Which has 720p/ 60Hz YPbPr output Pattern shown in [Fig. 2])

(2) Method of Auto Component Color Balance

- 1) Input the Component 720p/60Hz 100% Color Bar(MSPG-925F model:217, pattern:33) signal into Component.



[Fig. 21]

- 2) Set the PSM to Dynamic mode in the Picture menu.
- 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) Auto-RGB OK means the adjustment is completed.

6.3. Adjustment of RGB

(1) Required Equipment

- 1) Remote controller for adjustment
- 2) MSPG-925F Pattern Generator
(Which has XGA [1024*768] 60Hz 100% Color Bar pattern shown in [Fig. 3])

(2) 6.3.1 Method of Auto RGB Color Balance

- 1) Input the PC 1024x768 @ 60Hz 100% Color Bar pattern (MSPG-925F model:37, pattern:33) into RGB. (using D-sub to D-sub cable)
- 2) Set the PSM to Dynamic mode in Picture menu.
- 3) Press the IN-START key on R/C for adjustment.



[Fig. 3]

- 4) Press the ►(Vol. +) key operate To set , then it becomes automatically.



- 5) Auto-RGB OK means adjustment is completed.

6.4 Adjustment of DVR (42LC2RR-CL, 42LC2RR-TL)

(1) Required Equipment

- 1) Remote controller for adjustment
- 2) MSPG-925F Pattern Generator
(Which has 576i YPbPr output with Standard (0.7Vpp) Vertical 100% Color Bar Pattern shown in [Fig. 4])

(2) Method of Auto DVR Color Balance

- 1) Input the Component 576i 100% Color Bar signal into Component1(CL,TL).
- 2) Set the PSM to Dynamic mode in Picture menu.

- 3) Press the IN-START key and then TURBO PICTURE Key on R/C for adjustment.



[Fig. 4]

- 4) Press the ►(Vol. +) key operate To set, then it becomes automatically.
- 5) Auto-RGB OK means completed adjustment.



- 6) Auto-RGB OK means adjustment is completed.
- 7) If the result is 'NG', Try once more.

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

7. White Balance

White balance		AV4(ZL)/AV3(CL)
MSPG925F	High 216 Gray	Model : 202 Pattern : 78 * Pal Video PSM : Dynamic

<Caution>

- System control RS-232 Host should be "PC" for adjustment.
- AV ADC should be done before White-balance.

7.1. Test Equipment

- 1) Color Analyzer (CA-110)
- 2) PC (for communication through RS-232C)
-> UART Baud rate : 115200
- 3)Pattern Generator (MSPG-925F)

7.2. Target Value (PSM: Dynamic, CSM: Normal)

- 1) Normal(9300K) x:0.283±0.003, y: 0.298±0.003
- 2) Luminance(Y)
- PC : more than 250 Cd/m2(Typ: 300 Cd/m2)
- AV/COMP : more than 250 Cd/m2(Typ: 350 Cd/m2)

7.3. Manual White Balance (AV4(ZL)/ AV2(CL))

<Caution>

- It is very important to use the correct adjustment of the White Balance.

- Just adjust White Balance with R and B gain. Must fix the G Gain and G offset.
- DO NOT change the default values of the G gain(B3) and G offset(7F).
- Initially, the default values of the R/G/B gain and R/G/B offset are fixed as follows

Red Gain : B3, Green Gain : B3, Blue Gain : B0

Red Offset : 7F, Green Offset : 7F, Blue Offset : 82

- 1) Press the FRONT-AV key on R/C for adjustment Remocon.
(Set: RS-232 Host: PC, Baud Rate: 115200bps, Download: Cortez, Input: AV4(ZL)/AV2(CL))
- 2) Execute CA-110 Zero Calibration.
- 3) Execute the SET Heat Run for 30minutes.
- 4) Push the IN-START Button then you can see the OSD.

Auto Color Balance(Hex)		
Auto-RGB	► To Set	
Source	Cortez	
Red Offset1	20	
Green Offset1	23	
Blue Offset1	37	
Red Offset2	01	
Green Offset2	01	
Blue Offset2	01	
Red Gain	066	
Green Gain	06B	
Blue Gain	064	
Reset	► To Set	

- 5) Push the IN-START Button again for White Balance mode.
 - 6) Adjust High light with R/B Gain/Offset(G Gain fix, G Offset fix)
- * If B is max, adjust R/G additionally.

7.4. Auto White Balance (AV4(ZL)/ AV2(CL))

- 1) Press the FRONT-AV key on R/C for adjustment Remocon
(Set: RS-232 Host: PC, Baud Rate: 115200bps
Download: Cortez, Input: AV4(ZL)/ AV2(CL))

	command 1	command 2	Set ID	Data		Default Value
				Min	Max	
Input Select	XB	B	00	00h	90h	
R-Gain	J	A	00	00h	E0h	B3
G-Gain	J	B	00	00h	E0h	B3
B-Gain	J	C	00	00h	E0h	B0
R-Offset	J	D	00	00h	90h	7F
G-Offset	J	E	00	00h	90h	7F
B-Offset	J	F	00	00h	90h	82

* Input Select Data
RF(10), AV1~4(20,21,22,23), SAV(30), COMP(40),
DVI(RGB)(50 or 60), HDMI(90)

8. Input the Shipping Option Data

- 1) Push the ADJ key in a Adjust Remocon.
- 2) Input the AREA Code & Tool Option Number that was specified in the BOM, into the Shipping area.
- 3) The work is finished, Push ■ Key.

9. Language Group

EU-All	0-EU5	1-EU-8	2-EU-North	3-EU-East	4-N-EU 8	5-Non-EU etc.
English	English	English	English	English	English	English
France	France	France	France	France	France	France
German	German	German	German	German	German	German
Spain	Spain	Spain	Spain	Spain	Spain	Spain
Italy	Italy	Italy	Italy	Italy	Italy	Italy
Netherland		Netherland	Sweden	Poland	Russia	
Portugal		Portugal	Norway	Russia	China	
Greece		Greece	Denmark		Thai	
Sweden						
Norway						
Denmark						
Poland						
Russia						

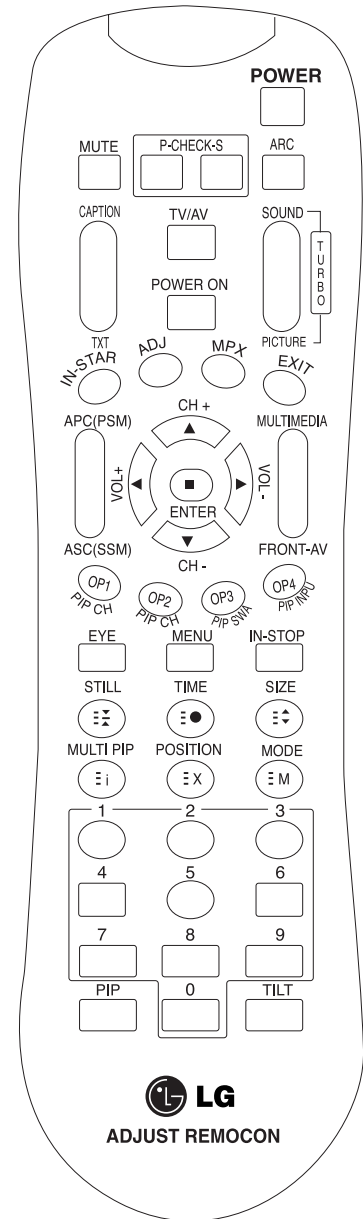
10. Teletext Language Group

- It is not active when 'EU-All' is selected on language group.
- Then all teletext Language can be choose on user's menu.
- This is the default.

0	1	2	3	4
English	Polish	English	English	English
German	German	German	German	German
Swedish	Estonian	Estonian	Swedish	Swedish
Italian	Lettish	Lettish	Italian	Italian
French	French	Cyrillic2	French	French
Spanish	Serbocroat	Cyrillic3	Hebrew	Hebrew
Turkish	Czech	Czech	Turkish	Turkish
Greek	Rumanian	English	Arabic	Farsi

SVC REMOCON

NO	KEY	FUNCTION	REMARK
1	POWER	To turn the TV on or off	
2	POWER ON	To turn the TV on automatically if the power is supplied to the TV. (Use the POWER key to deactivate): It should be deactivated when delivered.	
3	MUTE	To activate the mute function.	
4	P-CHECK	To check TV screen image easily.	Shortcut keys
5	S-CHECK	To check TV screen sound easily	Shortcut keys
6	ARC	To select size of the main screen (Normal, Spectacle, Wide or Zoom)	Shortcut keys
7	CAPTION	Switch to closed caption broadcasting	
8	TXT	To toggle on/off the teletext mode	
9	TV/AV	To select an external input for the TV screen	
10	TURBO SOUND	To start turbo sound	
11	TURBO PICTURE	To start turbo picture	
12	IN-START	To enter adjustment mode when manufacturing the TV sets.	Use the AV key to enter the screen W/B adjustment mode.
		To adjust the screen voltage (automatic): In-start → mute → Adjust → AV (Enter into W/B adjustment mode)	
		W/B adjustment (automatic): After adjusting the screen → W/B adjustment → Exit two times (Adjustment completed)	
13	ADJ	To enter into the adjustment mode. To adjust horizontal line and sub-brightness.	
14	MPX	To select the multiple sound mode (Mono, Stereo or Foreign language)	
15	EXIT	To release the adjustment mode	
16	APC(PSM)	To easily adjust the screen according to surrounding brightness	
17	ASC(SSM)	To easily adjust sound according to the program type	
18	MULTIMEDIA	To check component input	Shortcut keys
19	FRONT-AV	To check the front AV	Shortcut keys
20	CH ^{°æ}	To move channel up/down or to select a function displayed on the screen.	
21	VOL ^{°æ}	To adjust the volume or accurately control a specific function.	
22	ENTER	To set a specific function or complete setting.	
23	PIP CH-(OP1)	To move the channel down in the PIP screen. To use as a red key in the teletext mode	
24	PIP CH+(OP2)	To move the channel in the PIP screen To use as a green key in the teletext mode	
25	PIP SWAP(OP3)	To switch between the main and sub screens To use as a yellow key in the teletext mode	
26	PIP INPUT(OP4)	To select the input status in the PIP screen To use as a blue key in the teletext mode	
27	EYE	To set a function that will automatically adjust screen status to match the surrounding brightness so natural color can be displayed.	
28	MENU	To select the functions such as video, voice, function or channel.	
29	IN-STOP	To set the delivery condition status after manufacturing the TV set.	
30	STILL	To halt the main screen in the normal mode, or the sub screen at the PIP screen. Used as a hold key in the teletext mode (Page updating is stopped.)	
31	TIME	Displays the teletext time in the normal mode Enables to select the sub code in the teletext mode	
32	SIZE	Used as the size key in the PIP screen in the normal mode Used as the size key in the teletext mode	
33	MULTI PIP	Used as the index key in the teletext mode (Top index will be displayed if it is the top text.)	
34	POSITION	To select the position of the PIP screen in the normal mode Used as the update key in the teletext mode (Text will be displayed if the current page is updated.)	
35	MODE	Used as Mode in the teletext mode	
36	PIP	To select the simultaneous screen	
37	TILT	To adjust screen tilt	Shortcut keys
38	0~9	To manually select the channel.	



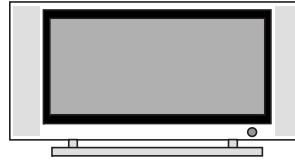
TROUBLESHOOTING GUIDE

<VSC Board>

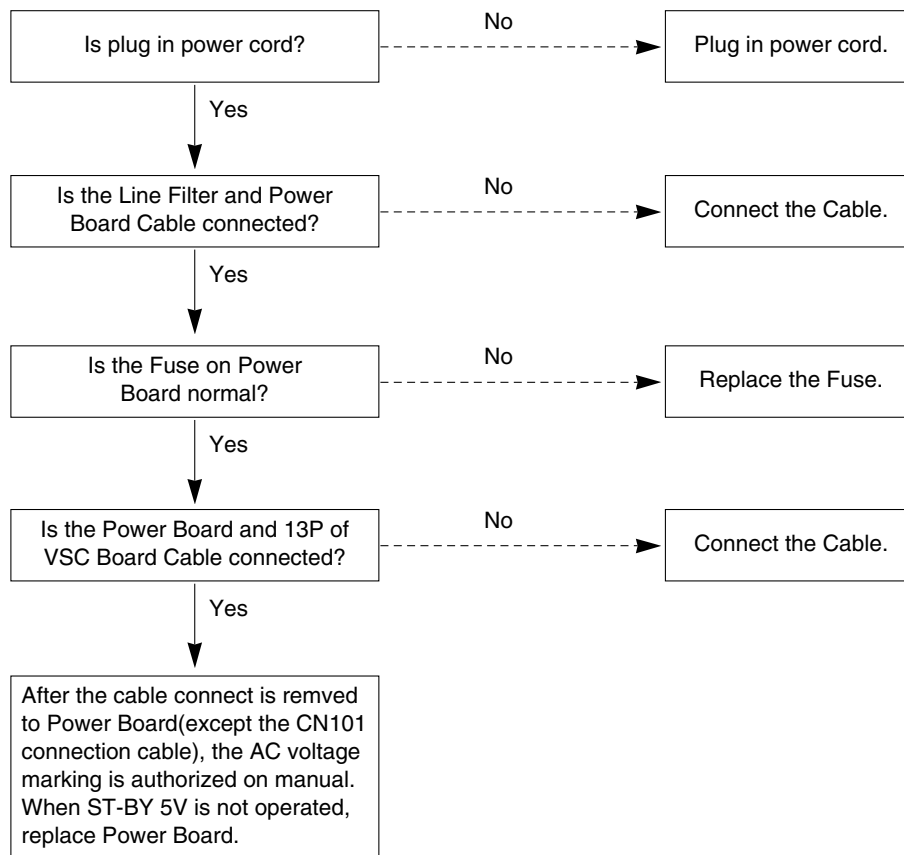
1. No Power

(1) Symptom

- Does't minute discharge at module.
- Non does not come in into the front LED.



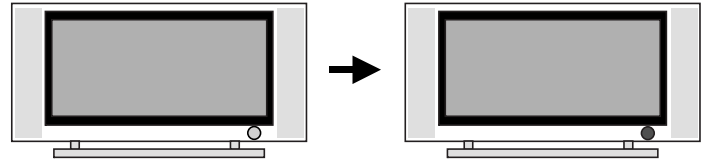
(2) Check following



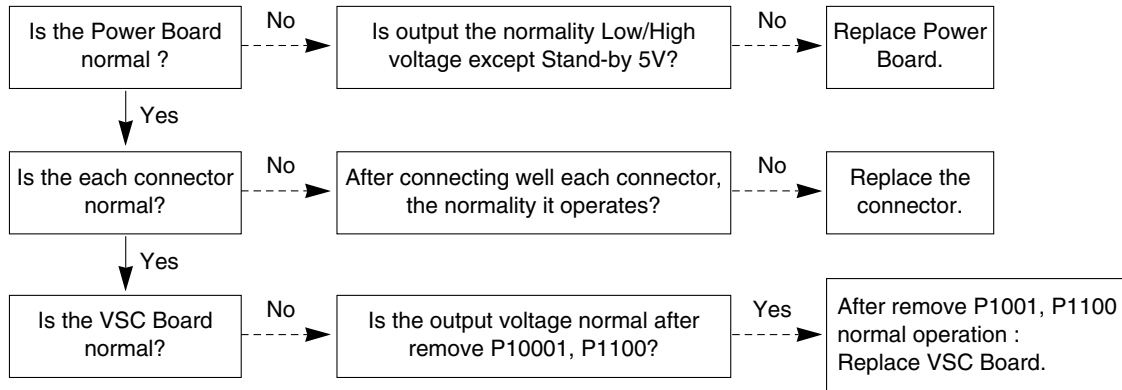
2. Protect Mode

(1) Symptom

- After once shining, it does not discharge minutely from module
- The Rely falls(The sound is audible “click”)
- It is converted with the color where the front LED is pink from white.



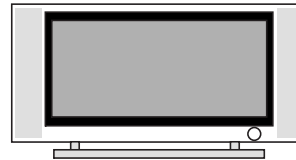
(2) Check following



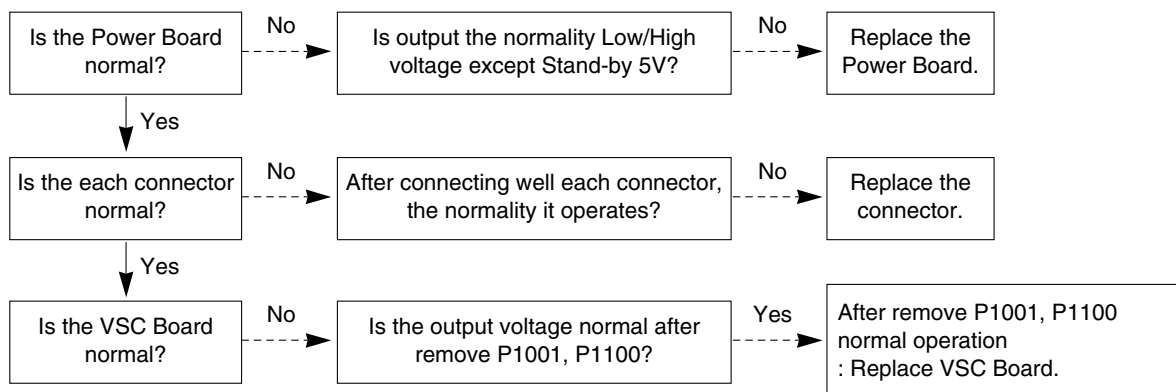
3. No Raster

(1) Symptom

- Does't minute discharge at module.
- It maintains the condition where the front LED is white.



(2) Check following

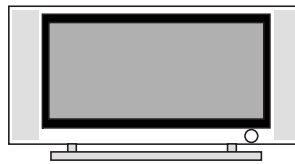


4. In case of occurring strange screen into specific mode

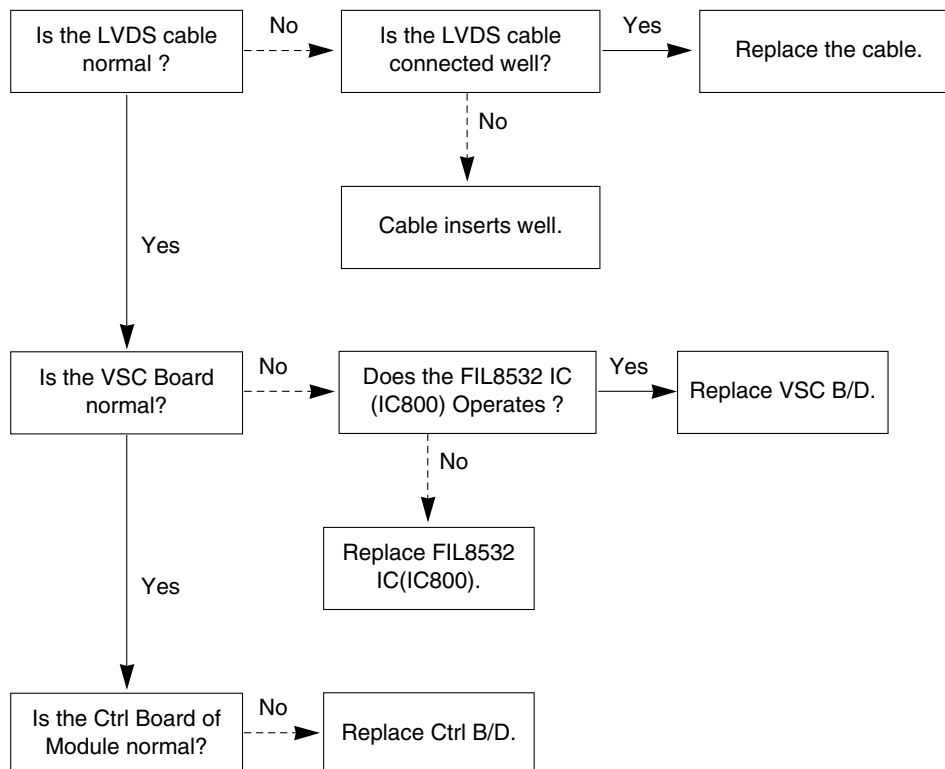
4-1. In case the OSD does not displayed

(1) Symptom

- LED is white.
- The minute discharged continuously becomes accomplished from module.



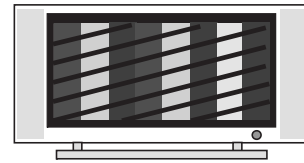
(2) Check following



4-2. In case of does't display the screen into specific mode

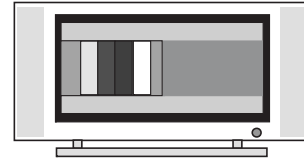
(1) Symptom

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

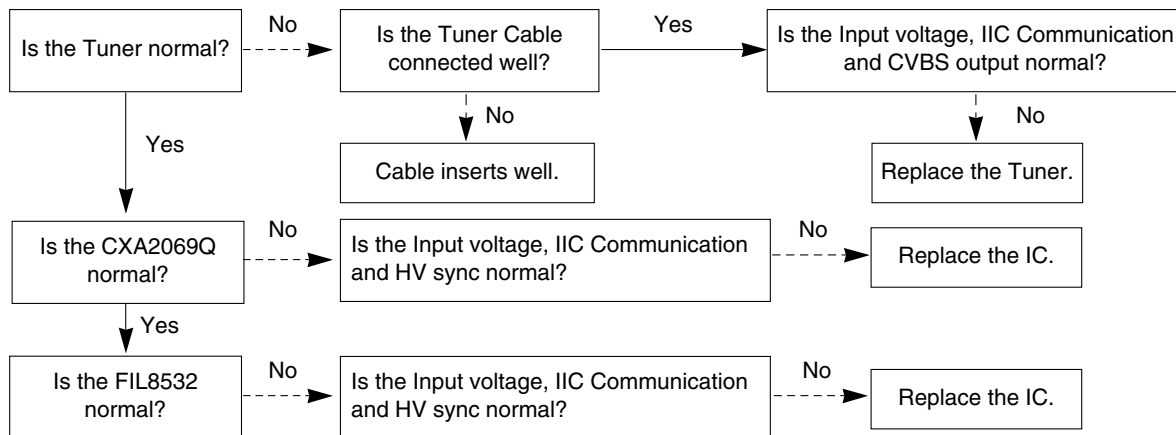


(2) Check following

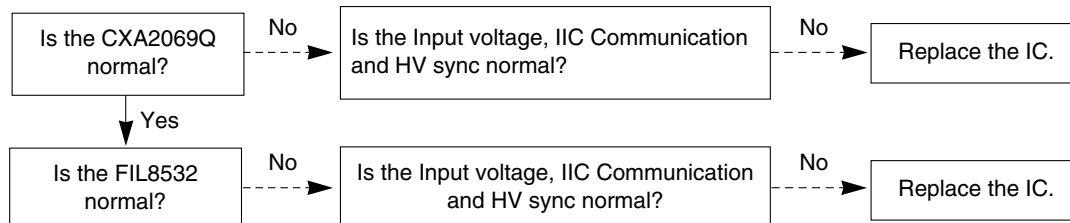
- Check the all input mode should become normality display.
- Check the Video(Main)/Data(Sub), Video(Main)/Video(Sub) should become normality display from the PIP mode or DW mode. (Re-Check it Swap)



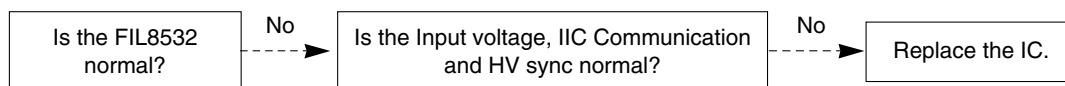
(3) In case of becomes unusual display from RF mode



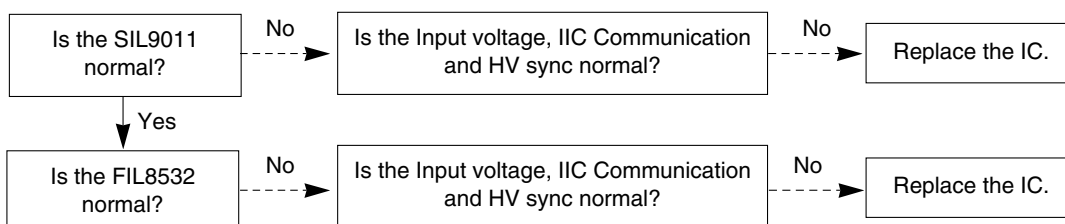
(4) In the case of becomes unusual display from RF, AV mode



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



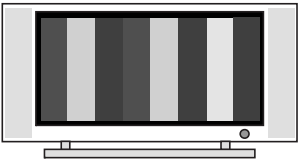
(6) In the case of becomes unusual display from HDMI mode



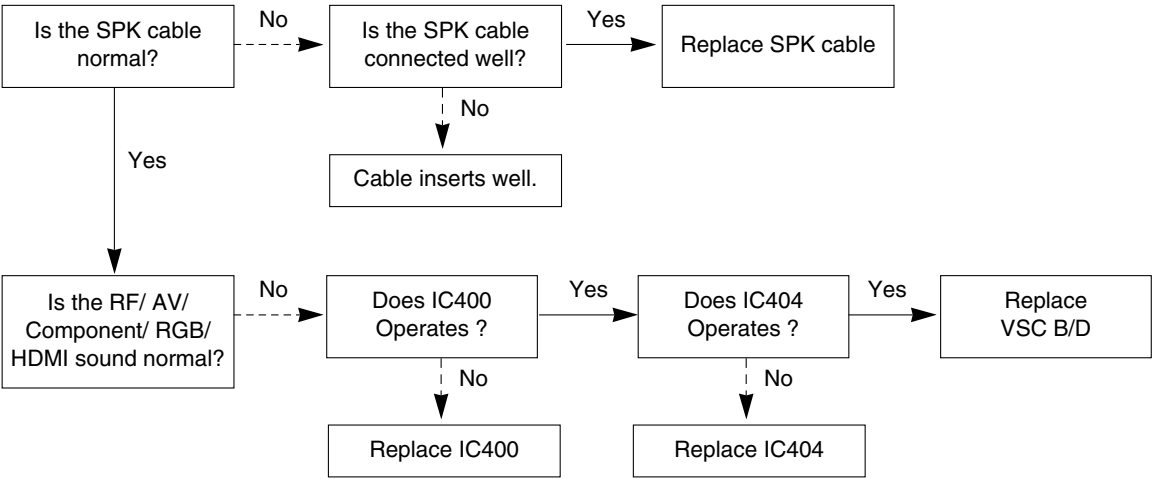
5. In case of no sound

(1) Symptom

- LED is white
- Screen display but sound is not output.



(2) Check following



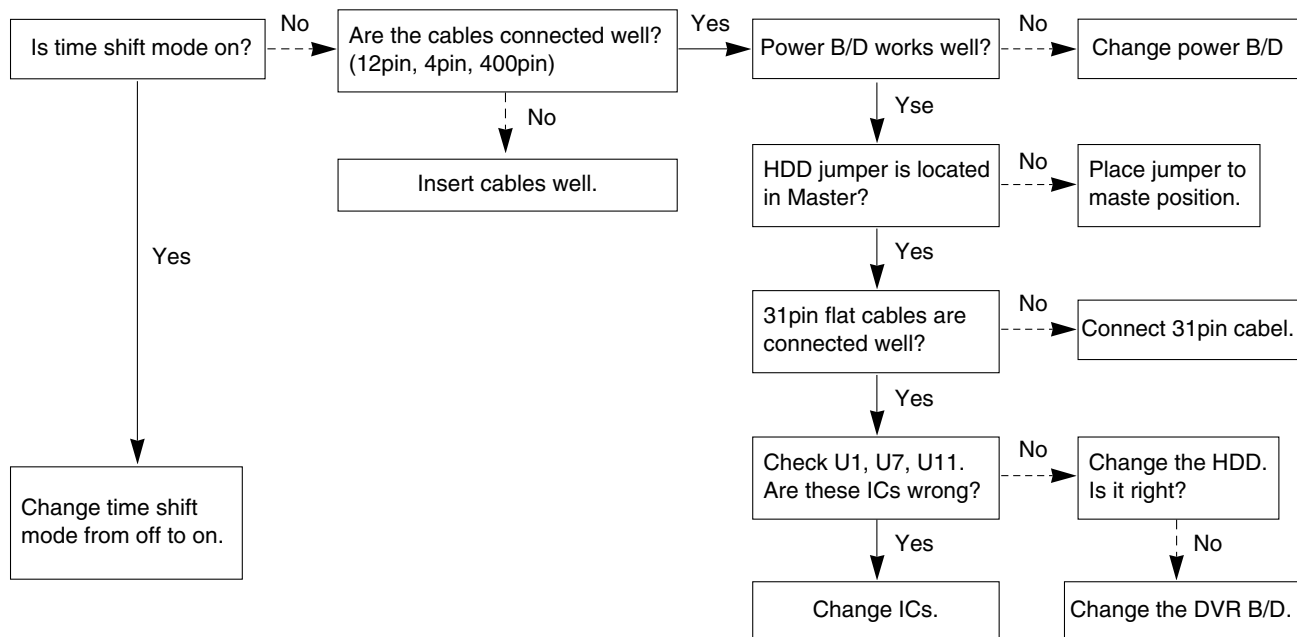
<DVR Board>

1. Time shift Mode

(1) Symptom

- Doesn't work time shift mode.
- Can't enter to recorded list.
- Can't record AV/RF.

(2) Check following

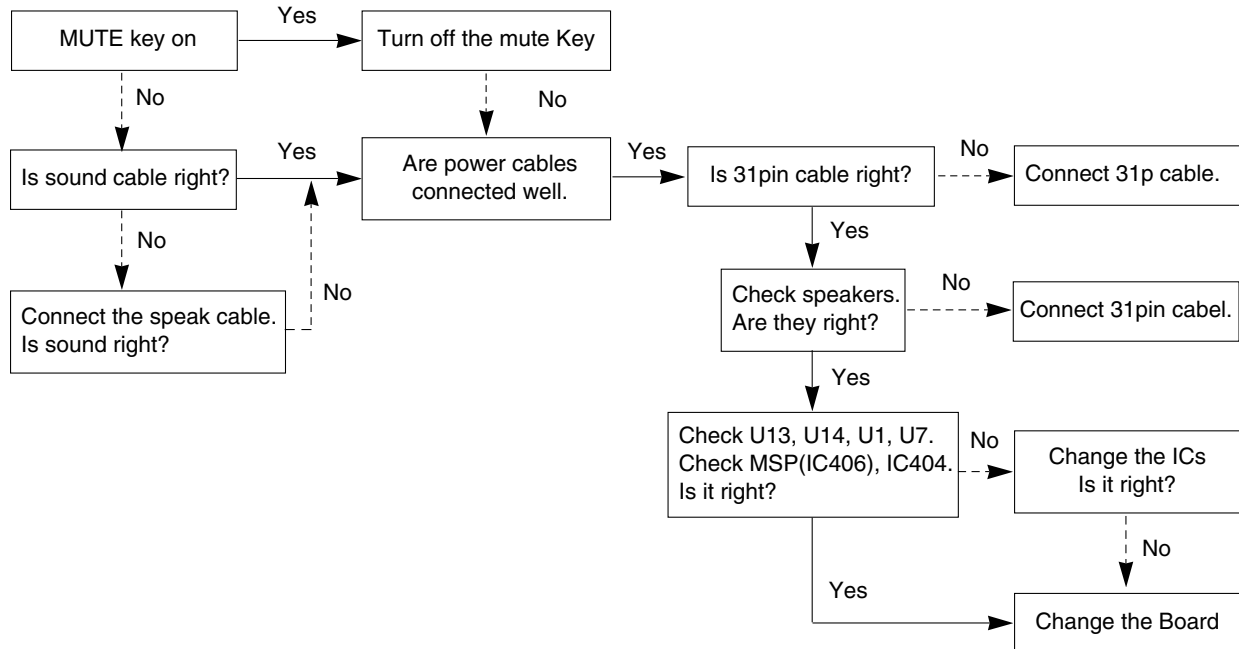


2. Time shift sound and Recorded video sound

(1) Symptom

- SOUND doesn't come out.

(2) Check following

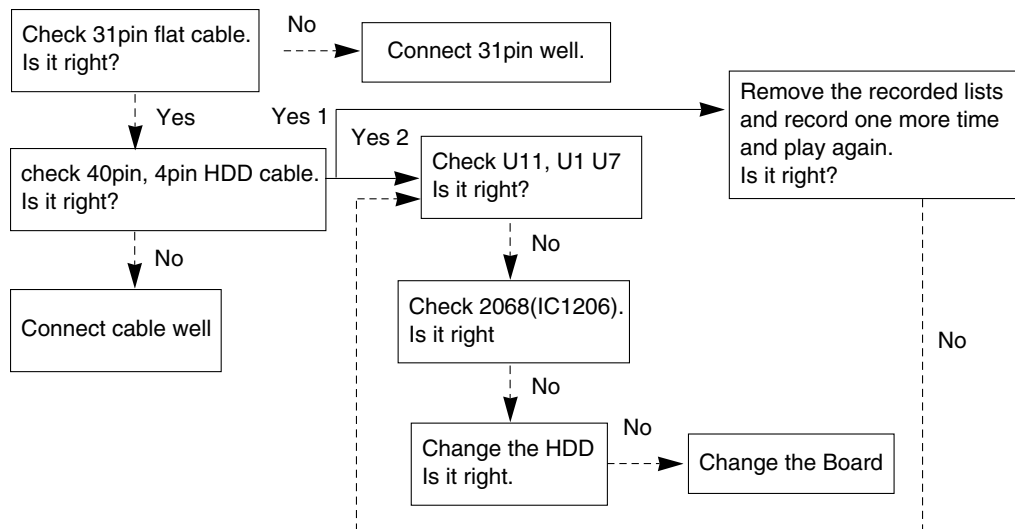


3. Recorded video

(1) Symptom

- Can't play the recorded video.

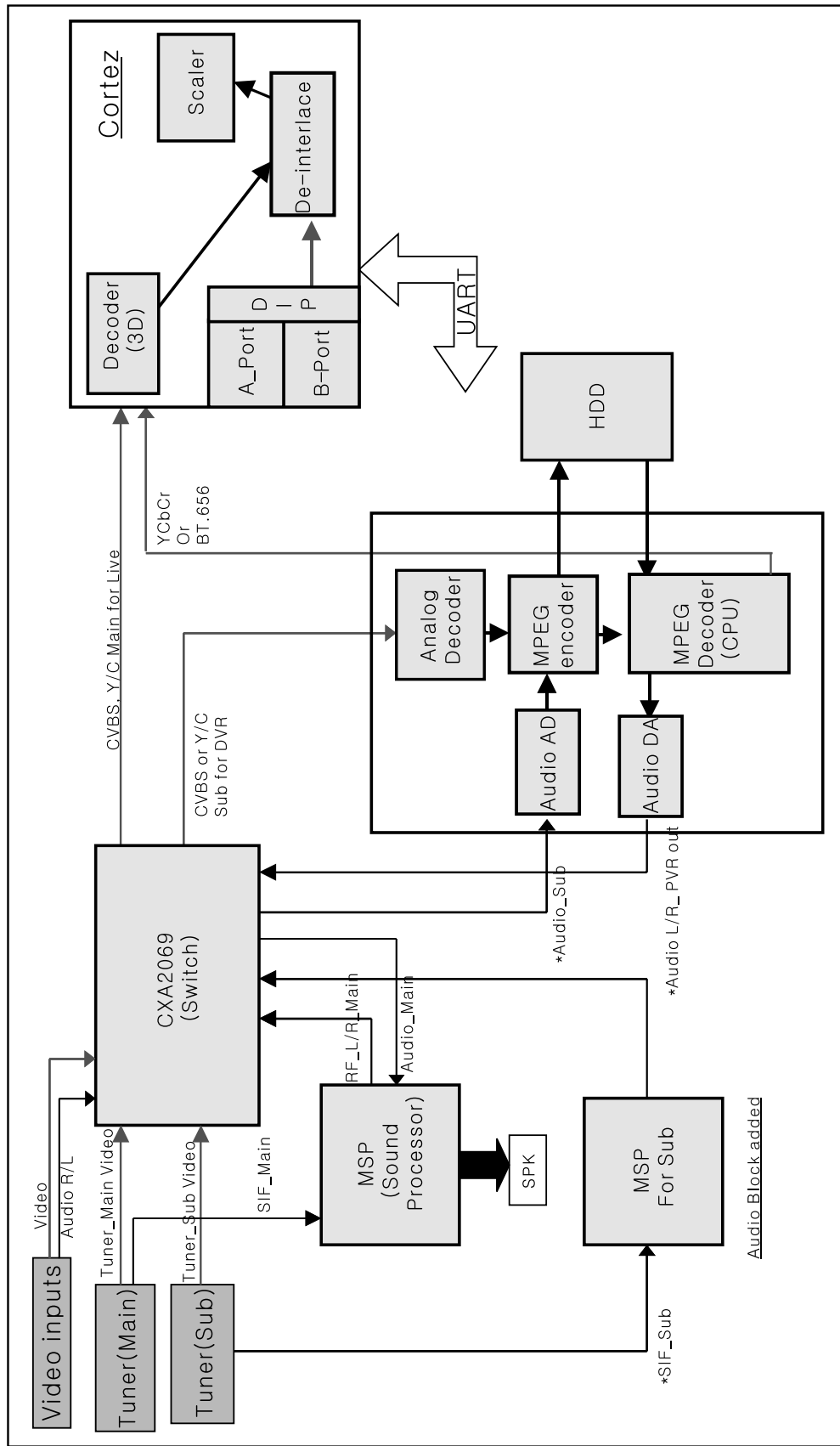
(2) Check following



Europe

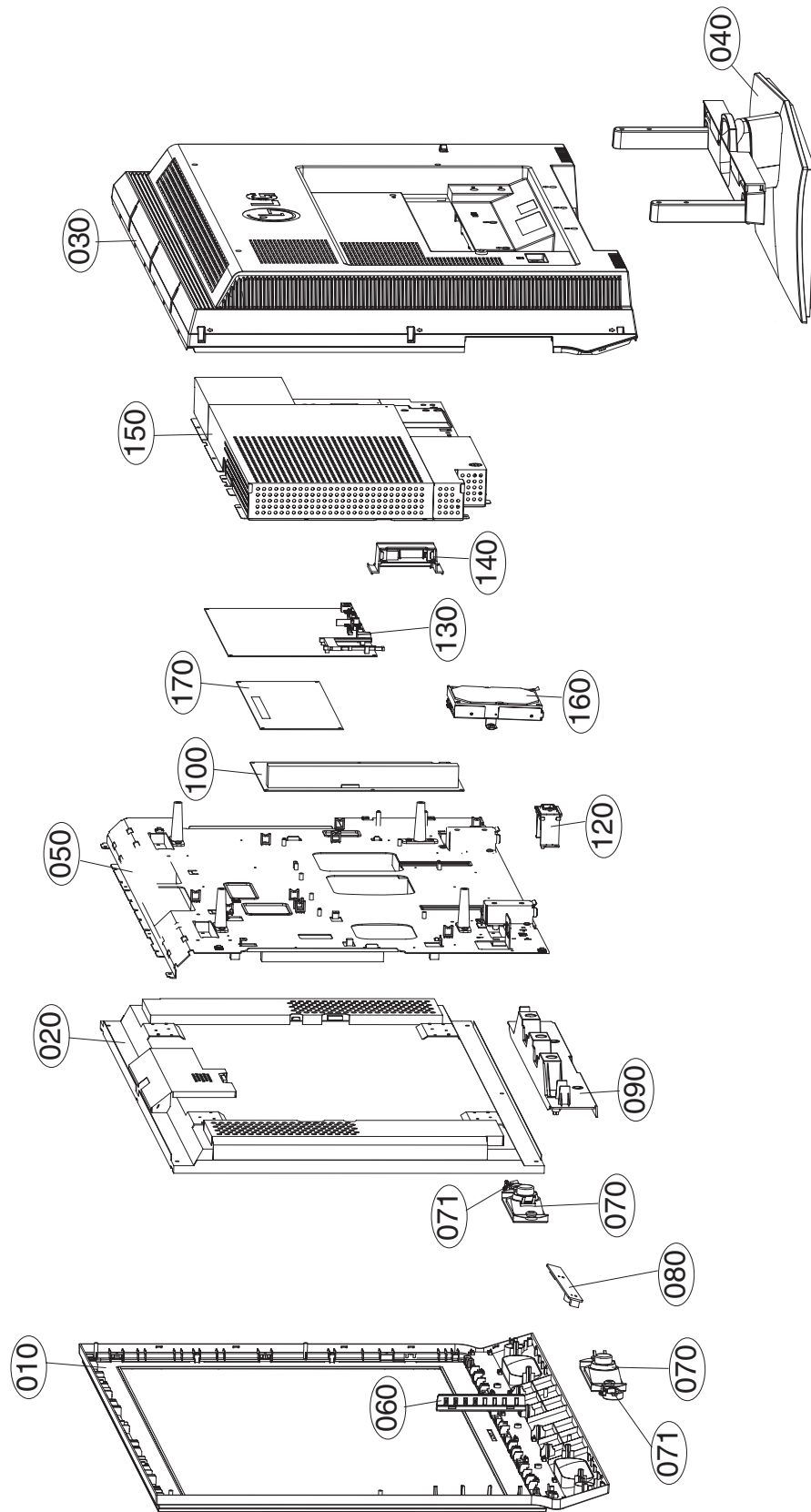


DVR



MEMO

EXPLODED VIEW



EXPLODED VIEW PARTS LIST

* Note: Safety mark 

No.		PART NO.	DESCRIPTION
010		30919E0047R	Cover Assembly 42LC2RR-ZL 42" CSKD
		ABJ30972102	Cabinet Assembly 42LC2RR-ZL Analog PVR EUROPE 42" C/SKD 51SF
		ABJ30972115	Cabinet Assembly 42LC2RR-ZL H2-DVR 42" PHANTOM FOR LGENT
020		6304FLP363A	LCD,Module-TFT LC420W02-SLA1 DRIVER 42INCH 1365X768 500CD COLOR 72%
030		3809900165G	Cover Assembly 42LC2D 2PHONE EC(DIGITAL) C/SKD, SPRAY
		3809900165K	Cover Assembly 42LC2D 2PHONE EC C/SKD, SPRAY
		3809900165W	Cover Assembly 42LC2RR-CL,ZL H2-DVR 42" PHANTOM FOR LGENT"
040		3043900034A	Base Assembly 42LC2 42LC2 42LC2
		3043900034C	Base Assembly 42LC2 42LC2 FOR USA C/SKD
		3043900034N	Base Assembly STAND 42LC2RR-ZL LA51D LGENT LOCAL
050		49519S0036H	Plate Assembly ASSY FOR 42LC2RR-ZL METAL FRAME ASSY
		49519S0036N	Plate Assembly ASSY 42LC2RR-ZL METAL FRAME ASSY(C/SKD)
		49519S0036V	Plate Assembly ASSY 42LC2RR-ZL FOR LGENT LOCAL
060		68719ST400B	PCB Assembly,Sub SUB T.T MF056L 42LC2RR-ZL CONTROL TOTAL
		68719ST400F	PCB Assembly,Sub SUB T.T MF056L 42LC2RR-ZL CONTROL TOTAL CKD
		68719ST400L	PCB Assembly,Sub SUB T.T MF056L 42LC2RR-ZL CONTROL TOTAL NT SKD
070		EAB30829201	Speaker,Woofer g1560102 ND 15W 8OHM 82DB 100HZ 193 X 57 X 50 LUG MACOM
071		EAB30825601	Speaker,Tweeter D013d02k1400 ND 15W 8OHM 84DB 0HZ 50 X 39.6 X 12.4 LUG
080		68719ST500B	PCB Assembly,Sub SUB T.T MF056L 42LC2RR-ZL A-PVR IR Assy
		68719ST500F	PCB Assembly,Sub SUB T.T MF056L 42LC2RR-ZL A-PVR IR Assy CKD
090		35519K0030B	Cover Assembly 42LC2 STAND 35509K0220B SUPPORT
		35519K0030D	Cover Assembly 42LC2 STAND 35509K0220B SUPPORT C/SKD
		35519K0030E	Cover Assembly 42LC2 ALL 42" LGENT LOCAL
100		6709900017C	SMPS YP4201-HDMI 90VTO264V 280W 47TO63HZ UL/CSA/TUV/SEMKO 42" LCD
120		31419SNJ81A	Chassis Assembly SUB LA51D AC INLET ASSY
		31419SNJ81C	Chassis Assembly SUB LA51D AC INLET ASSY NT CSKD
130		33139L3023B	Main Total Assembly 42LC2RR-ZL BRAND MF-056M Main total ass'y
		33139L3023F	Main Total Assembly 42LC2RR-ZL BRAND MF-056M Main Total Assy CKD
140		68719ST300B	PCB Assembly,Sub SUB T.T MF056L 42LC2RR-ZL SIDE TOTAL
		68719ST300F	PCB Assembly,Sub SUB T.T MF056L 42LC2RR-ZL SIDE TOTAL CKD
		68719ST300L	PCB Assembly,Sub SUB T.T MF056L 42LC2RR-ZL SIDE TOTAL NT SKD
150		49519K0115U	Plate Assembly SHIELD 42LC2RR-ZL C/SKD
		AGU31070303	Plate Assembly SHIELD 42LC2RR-ZL FOR LGENT LOCAL
160		31419SN200B	Chassis Assembly SUB MF056L 42LC2RR-ZL HDD ASSY
		31419SN200D	Chassis Assembly SUB MF056L 42LC2RR-ZL C/SKD HDD ASSY
170		68719MMV03A	Hand Insert PCB Assembly,Main MAIN2 M.I MF056L 42PC1RR-ZL AEULLHX

REPLACEMENT PARTS LIST

For Capacitor & Resistors, the characters at 2nd and 3rd digit in the P/No. means as follows;

CC, CX, CK, CN, CH : Ceramic
CQ : Polyester
CE : Electrolytic
CF : Fixed Film

RD : Carbon Film
RS : Metal Oxide Film
RN : Metal Film
RH : CHIP, Metal Glazed(Chip)
RR : Drawing

DATE: 2006. 09. 13.				
*S	*AL	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
MAIN BOARD				
CAPACITOR				
		C1000	0CE477WF6DC	MVK10TP16VC470M 470u
		C1005	0CE477WF6DC	MVK10TP16VC470M 470u
		C1007	0CE107WF6DC	MVK6.3TP16VC100M 100
		C1009	0CE107WF6DC	MVK6.3TP16VC100M 100
		C1010	0CE107WF6DC	MVK6.3TP16VC100M 100
		C1019	0CE476WF6DC	MVK6.3TP16VC47M 47uF
		C1026	0CE107WF6DC	MVK6.3TP16VC100M 100
		C1030	0CE476WF6DC	MVK6.3TP16VC47M 47uF
		C1043	0CE476WF6DC	MVK6.3TP16VC47M 47uF
		C1046	0CE477WF6DC	MVK10TP16VC470M 470u
		C1047	0CE476WF6DC	MVK6.3TP16VC47M 47uF
		C1050	0CE477WF6DC	MVK10TP16VC470M 470u
		C1051	0CE477WF6DC	MVK10TP16VC470M 470u
		C1064	0CE476WF6DC	MVK6.3TP16VC47M 47uF
		C1065	0CE476WF6DC	MVK6.3TP16VC47M 47uF
		C1066	0CE476WF6DC	MVK6.3TP16VC47M 47uF
		C1067	0CE476WF6DC	MVK6.3TP16VC47M 47uF
		C1068	0CE476WF6DC	MVK6.3TP16VC47M 47uF
		C1069	0CE476WF6DC	MVK6.3TP16VC47M 47uF
		C1071	0CE477WF6DC	MVK10TP16VC470M 470u
		C1073	0CE477WF6DC	MVK10TP16VC470M 470u
		C108	0CE227SF6DC	MVG6.3TP16VC220M 220
		C1082	0CE476WF6DC	MVK6.3TP16VC47M 47uF
		C1083	0CE476WF6DC	MVK6.3TP16VC47M 47uF
		C1084	0CE476WF6DC	MVK6.3TP16VC47M 47uF
		C1085	0CE476WF6DC	MVK6.3TP16VC47M 47uF
		C1087	0CE477WF6DC	MVK10TP16VC470M 470u
		C1098	0CE476WF6DC	MVK6.3TP16VC47M 47uF
		C1099	0CE476WF6DC	MVK6.3TP16VC47M 47uF
		C1105	0CZZTAT006H	RV3-16V470ME55U-R4 4
		C1107	0CE107WF6DC	MVK6.3TP16VC100M 100
		C1108	0CE107WF6DC	MVK6.3TP16VC100M 100
		C1110	0CE477WF6DC	MVK10TP16VC470M 470u
		C1116	0CE477WF6DC	MVK10TP16VC470M 470u
		C1117	0CE227WF6DC	MVK8.0TP16VC220M 220
		C1118	0CE477WF6DC	MVK10TP16VC470M 470u
		C1120	0CE227WF6DC	MVK8.0TP16VC220M 220
		C1126	0CE477WF6DC	MVK10TP16VC470M 470u
		C1135	0CE107WF6DC	MVK6.3TP16VC100M 100
		C1136	0CE107WF6DC	MVK6.3TP16VC100M 100
		C1137	0CE107WF6DC	MVK6.3TP16VC100M 100
		C1138	0CE107WF6DC	MVK6.3TP16VC100M 100
		C1148	0CZZTAT006H	RV3-16V470ME55U-R4 4
		C1149	0CE107WF6DC	MVK6.3TP16VC100M 100
		C1150	0CE107WF6DC	MVK6.3TP16VC100M 100
		C1151	0CE107WF6DC	MVK6.3TP16VC100M 100
		C1154	0CZZTAT006H	RV3-16V470ME55U-R4 4
		C1159	0CE476WF6DC	MVK6.3TP16VC47M 47uF
		C1162	0CE107WF6DC	MVK6.3TP16VC100M 100
		C1165	0CE107WF6DC	MVK6.3TP16VC100M 100
		C1166	0CE107WF6DC	MVK6.3TP16VC100M 100
		C117	0CE227SF6DC	MVG6.3TP16VC220M 220
		C118	0CE106SH6DC	VMV106M025S0ANB010 1
		C1185	0CZZTAT006H	RV3-16V470ME55U-R4 4
		C1186	0CZZTAT006H	RV3-16V470ME55U-R4 4
		C1187	0CZZTAT006H	RV3-16V470ME55U-R4 4
		C1188	0CE107WF6DC	MVK6.3TP16VC100M 100
		C1189	0CE107WF6DC	MVK6.3TP16VC100M 100
		C119	0CE106SH6DC	VMV106M025S0ANB010 1
		C1190	0CE107WF6DC	MVK6.3TP16VC100M 100
		C1191	0CE107WF6DC	MVK6.3TP16VC100M 100
		C1192	0CE107WF6DC	MVK6.3TP16VC100M 100

DATE: 2006. 09. 13.				
*S	*AL	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
		C1193	0CE107WF6DC	MVK6.3TP16VC100M 100
		C1194	0CE477WF6DC	MVK10TP16VC470M 470u
		C1195	0CE107WF6DC	MVK6.3TP16VC100M 100
		C1199	0CE107WF6DC	MVK6.3TP16VC100M 100
		C120	0CE106SH6DC	VMV106M025S0ANB010 1
		C1200	0CE106SH6DC	VMV106M025S0ANB010 1
		C1201	0CE106SH6DC	VMV106M025S0ANB010 1
		C121	0CE106SH6DC	VMV106M025S0ANB010 1
		C122	0CZZTAT006H	RV3-16V470ME55U-R4 4
		C1225	0CE106SH6DC	VMV106M025S0ANB010 1
		C123	0CZZTAT006H	RV3-16V470ME55U-R4 4
		C124	0CZZTAT006H	RV3-16V470ME55U-R4 4
		C1245	0CE106SH6DC	VMV106M025S0ANB010 1
		C1247	0CZZTAT006H	RV3-16V470ME55U-R4 4
		C125	0CE476XFKDC	MVK6.3TP16VCBP47M 47
		C129	0CE227SF6DC	MVG6.3TP16VC220M 220
		C130	0CE227SF6DC	MVG6.3TP16VC220M 220
		C131	0CZZTAT006H	RV3-16V470ME55U-R4 4
		C135	0CZZTAT006H	RV3-16V470ME55U-R4 4
		C137	0CE476XFKDC	MVK6.3TP16VCBP47M 47
		C1414	0CE475SK6DC	VMV475M050S0ANB010 4
		C1415	0CE475SK6DC	VMV475M050S0ANB010 4
		C1475	0CE226WF6DC	MVK5.0TP16VC22M 22uF
		C1480	0CZZTAT006H	RV3-16V470ME55U-R4 4
		C1481	0CZZTAT006H	RV3-16V470ME55U-R4 4
		C1482	0CZZTAT006H	RV3-16V470ME55U-R4 4
		C1601	0CE476WF6DC	MVK6.3TP16VC47M 47uF
		C1603	0CE476WF6DC	MVK6.3TP16VC47M 47uF
		C1604	0CZZTAT006H	RV3-16V470ME55U-R4 4
		C1608	0CE107WF6DC	MVK6.3TP16VC100M 100
		C174	0CE476XFKDC	MVK6.3TP16VCBP47M 47
		C175	0CE476XFKDC	MVK6.3TP16VCBP47M 47
		C180	0CE107WF6DC	MVK6.3TP16VC100M 100
		C181	0CE476XFKDC	MVK6.3TP16VCBP47M 47
		C182	0CE476XFKDC	MVK6.3TP16VCBP47M 47
		C1901	0CE476WF6DC	MVK6.3TP16VC47M 47uF
		C1903	0CE107WF6DC	MVK6.3TP16VC100M 100
		C1904	0CE107WF6DC	MVK6.3TP16VC100M 100
		C1905	0CE107WF6DC	MVK6.3TP16VC100M 100
		C1906	0CE107WF6DC	MVK6.3TP16VC100M 100
		C1907	0CE107WF6DC	MVK6.3TP16VC100M 100
		C1908	0CE476WF6DC	MVK6.3TP16VC47M 47uF
		C1909	0CE476WF6DC	MVK6.3TP16VC47M 47uF
		C1910	0CE476WF6DC	MVK6.3TP16VC47M 47uF
		C1911	0CE476WK6DC	MVK8.0TP50VC47M 47uF
		C1923	0CE337WJ6D8	MVK12.5TP35VC330M 33
		C1924	0CE337WJ6D8	MVK12.5TP35VC330M 33
		C1925	0CE337WJ6D8	MVK12.5TP35VC330M 33
		C203	0CE475WK6DC	MVK5.0TP50VC4.7M 4.7
		C204	0CE477WF6DC	MVK10TP16VC470M 470u
		C208	0CE477WF6DC	MVK10TP16VC470M 470u
		C210	0CE475WK6DC	MVK5.0TP50VC4.7M 4.7
		C211	0CE477WF6DC	MVK10TP16VC470M 470u
		C214	0CE106WFKDC	MVK4.0TP16VC10M 10uF
		C215	0CE475WK6DC	MVK5.0TP50VC4.7M 4.7
		C221	0CE477WF6DC	MVK10TP16VC470M 470u
		C238	0CE107WF6DC	MVK6.3TP16VC100M 100
		C241	0CE476WK6DC	MVK8.0TP50VC47M 47uF
		C243	0CE475WK6DC	MVK5.0TP50VC4.7M 4.7
		C245	0CE107WF6DC	MVK6.3TP16VC100M 100
		C246	0CE107WF6DC	MVK6.3TP16VC100M 100
		C300	0CE107WF6DC	MVK6.3TP16VC100M 100
		C304	0CE226SF6DC	VMV226M016S0ANB010 2
		C305	0CE107WF6DC	MVK6.3TP16VC100M 100
		C307	0CZZTAT006H	RV3-16V470ME55U-R4 4

DATE: 2006. 09. 13.				
*S	*AL	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
		C340	0CZZTAT006H	RV3-16V470ME55U-R4 4
		C342	0CE105WK6DC	MVK4.0TP50VC1M 1uF 2
		C347	0CE105SK6DC	VMV105M050S0ANB010 1
		C402	0CE476WF6DC	MVK6.3TP16VC47M 47uF
		C403	0CE226WF6DC	MVK5.0TP16VC22M 22uF
		C411	0CZZTAT006H	RV3-16V470ME55U-R4 4
		C412	0CE226SF6DC	VMV226M016S0ANB010 2
		C413	0CE335WK6D8	MVK4.0TP50VC3.3M 3.3
		C425	0CE226WF6DC	MVK5.0TP16VC22M 22uF
		C428	0CE335SK6DC	VMV335M050S0ANB010 3
		C457	0CE335WK6D8	MVK4.0TP50VC3.3M 3.3
		C462	0CE107WF6DC	MVK6.3TP16VC100M 100
		C463	0CE106WH6DC	MVK5.0TP25VC10M 10uF
		C464	0CE106WH6DC	MVK5.0TP25VC10M 10uF
		C465	0CE335SK6DC	VMV335M050S0ANB010 3
		C468	0CE107WF6DC	MVK6.3TP16VC100M 100
		C469	0CE106WH6DC	MVK5.0TP25VC10M 10uF
		C470	0CE106SH6DC	VMV106M025S0ANB010 1
		C474	0CE475SK6DC	VMV475M050S0ANB010 4
		C475	0CE475SK6DC	VMV475M050S0ANB010 4
		C477	0CE226SF6DC	VMV226M016S0ANB010 2
		C481	0CE475WK6DC	MVK5.0TP50VC4.7M 4.7
		C482	0CE475WK6DC	MVK5.0TP50VC4.7M 4.7
		C527	0CZZTAT006H	RV3-16V470ME55U-R4 4
		C610	0CE107WF6DC	MVK6.3TP16VC100M 100
		C622	0CE476WF6DC	MVK6.3TP16VC47M 47uF
		C626	0CE107WF6DC	MVK6.3TP16VC100M 100
		C728	0CE226SF6DC	VMV226M016S0ANB010 2
		C729	0CE226SF6DC	VMV226M016S0ANB010 2
		C730	0CE226SF6DC	VMV226M016S0ANB010 2
		C731	0CE226SF6DC	VMV226M016S0ANB010 2
		C735	0CE226WF6DC	MVK5.0TP16VC22M 22uF
		C737	0CE226SF6DC	VMV226M016S0ANB010 2
		C739	0CE226SF6DC	VMV226M016S0ANB010 2
		C745	0CE226SF6DC	VMV226M016S0ANB010 2
		C750	0CE226SF6DC	VMV226M016S0ANB010 2
		C752	0CE226SF6DC	VMV226M016S0ANB010 2
		C760	0CE226SF6DC	VMV226M016S0ANB010 2
		C762	0CE226SF6DC	VMV226M016S0ANB010 2
		C764	0CE226WF6DC	MVK5.0TP16VC22M 22uF
		C767	0CE226SF6DC	VMV226M016S0ANB010 2
		C771	0CE226SF6DC	VMV226M016S0ANB010 2
		C802	0CE226SF6DC	VMV226M016S0ANB010 2
		C832	0CE226SF6DC	VMV226M016S0ANB010 2
		C833	0CE226WF6DC	MVK5.0TP16VC22M 22uF
		C834	0CE226SF6DC	VMV226M016S0ANB010 2
		C835	0CE226SF6DC	VMV226M016S0ANB010 2
		C836	0CE226SF6DC	VMV226M016S0ANB010 2
		C837	0CE226WF6DC	MVK5.0TP16VC22M 22uF
		C838	0CE226SF6DC	VMV226M016S0ANB010 2
		C839	0CE226SF6DC	VMV226M016S0ANB010 2
		C840	0CE226SF6DC	VMV226M016S0ANB010 2
		C851	0CE226WF6DC	MVK5.0TP16VC22M 22uF
		C853	0CE226SF6DC	VMV226M016S0ANB010 2
		C884	0CE226SF6DC	VMV226M016S0ANB010 2
		C896	0CE226WF6DC	MVK5.0TP16VC22M 22uF
		C901	0CE226SF6DC	VMV226M016S0ANB010 2
		C904	0CE226WF6DC	MVK5.0TP16VC22M 22uF
		C905	0CE226WF6DC	MVK5.0TP16VC22M 22uF
		C930	0CE226WF6DC	MVK5.0TP16VC22M 22uF
		C950	0CE226SF6DC	VMV226M016S0ANB010 2
		C1115	0CE4772J618	KMF5.0TP35VB470M 470
		C1119	0CE4772J618	KMF5.0TP35VB470M 470
		C100	0CH5010K116	0805N1R0D500LT 1pF 0
		C1001	0CK104CK56A	0603B104K500CT 100nF
		C1002	0CK474CH94A	0603F474Z250CT 470nF
		C1003	0CK474CH94A	0603F474Z250CT 470nF
		C1004	0CK103CK51A	0603B103K500CT 10nF
		C1006	0CK104CK56A	0603B104K500CT 100nF
		C1008	0CK104CK56A	0603B104K500CT 100nF
		C101	0CC050CK11A	C1608C0G1H050DT 5pF
		C1011	0CK104CK56A	0603B104K500CT 100nF
		C1012	0CK104CK56A	0603B104K500CT 100nF
		C1013	0CK104CK56A	0603B104K500CT 100nF

DATE: 2006. 09. 13.				
*S	*AL	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
		C1014	0CK104CK56A	0603B104K500CT 100nF
		C1015	0CK103CK51A	0603B103K500CT 10nF
		C1016	0CK103CK51A	0603B103K500CT 10nF
		C1017	0CK103CK51A	0603B103K500CT 10nF
		C1018	0CK104CK56A	0603B104K500CT 100nF
		C102	0CH5010K116	0805N1R0D500LT 1pF 0
		C1023	0CK104CK56A	0603B104K500CT 100nF
		C1024	0CK104CK56A	0603B104K500CT 100nF
		C1025	0CK103CK51A	0603B103K500CT 10nF
		C1029	0CK104CK56A	0603B104K500CT 100nF
		C103	0CC050CK11A	C1608C0G1H050DT 5pF
		C1035	0CK104CK56A	0603B104K500CT 100nF
		C104	0CC050CK11A	C1608C0G1H050DT 5pF
		C1040	0CK103CK51A	0603B103K500CT 10nF
		C1044	0CK104CK56A	0603B104K500CT 100nF
		C1045	0CK104CK56A	0603B104K500CT 100nF
		C1048	0CK104CK56A	0603B104K500CT 100nF
		C1049	0CK104CK56A	0603B104K500CT 100nF
		C105	0CC050CK11A	C1608C0G1H050DT 5pF
		C1052	0CK104CK56A	0603B104K500CT 100nF
		C1053	0CK103CK51A	0603B103K500CT 10nF
		C1054	0CK104CK56A	0603B104K500CT 100nF
		C1055	0CK104CK56A	0603B104K500CT 100nF
		C1056	0CK104CK56A	0603B104K500CT 100nF
		C1057	0CK104CK56A	0603B104K500CT 100nF
		C1058	0CK104CK56A	0603B104K500CT 100nF
		C1059	0CK103CK51A	0603B103K500CT 10nF
		C106	0CC050CK11A	C1608C0G1H050DT 5pF
		C1060	0CK103CK51A	0603B103K500CT 10nF
		C1061	0CK103CK51A	0603B103K500CT 10nF
		C1062	0CK103CK51A	0603B103K500CT 10nF
		C1063	0CK103CK51A	0603B103K500CT 10nF
		C107	0CC050CK11A	C1608C0G1H050DT 5pF
		C1070	0CK104CK56A	0603B104K500CT 100nF
		C1072	0CK104CK56A	0603B104K500CT 100nF
		C1074	0CK104CK56A	0603B104K500CT 100nF
		C1075	0CK104CK56A	0603B104K500CT 100nF
		C1076	0CK104CK56A	0603B104K500CT 100nF
		C1077	0CK104CK56A	0603B104K500CT 100nF
		C1078	0CK103CK51A	0603B103K500CT 10nF
		C1079	0CK103CK51A	0603B103K500CT 10nF
		C1080	0CK103CK51A	0603B103K500CT 10nF
		C1081	0CK103CK51A	0603B103K500CT 10nF
		C1086	0CK104CK56A	0603B104K500CT 100nF
		C1088	0CK104CK56A	0603B104K500CT 100nF
		C1089	0CK104CK56A	0603B104K500CT 100nF
		C109	0CK103CK56A	0603B103K500CT 10nF
		C1090	0CK104CK56A	0603B104K500CT 100nF
		C1091	0CK104CK56A	0603B104K500CT 100nF
		C1092	0CK104CK56A	0603B104K500CT 100nF
		C1093	0CK103CK51A	0603B103K500CT 10nF
		C1094	0CK103CK51A	0603B103K500CT 10nF
		C1095	0CK103CK51A	0603B103K500CT 10nF
		C1096	0CK103CK51A	0603B103K500CT 10nF
		C1097	0CK103CK51A	0603B103K500CT 10nF
		C110	0CK102CK56A	0603B102K500CT 1nF 1
		C1100	0CK104CK56A	0603B104K500CT 100nF
		C1101	0CK103CK51A	0603B103K500CT 10nF
		C1104	0CK103CK51A	0603B103K500CT 10nF
		C1106	0CK104CK56A	0603B104K500CT 100nF
		C1109	0CK104CK56A	0603B104K500CT 100nF
		C111	0CK103CK56A	0603B103K500CT 10nF
		C1111	0CK104CK56A	0603B104K500CT 100nF
		C1112	0CK104CK56A	0603B104K500CT 100nF
		C1113	0CK104CK56A	0603B104K500CT 100nF
		C1114	0CK104CK56A	0603B104K500CT 100nF
		C112	0CK102CK56A	0603B102K500CT 1nF 1
		C1121	0CK104CK56A	0603B104K500CT 100nF
		C1122	0CK104CK56A	0603B104K500CT 100nF
		C1123	0CK104CK56A	0603B104K500CT 100nF
		C1124	0CK104CK56A	0603B104K500CT 100nF
		C1125	0CK104CK56A	0603B104K500CT 100nF
		C1127	0CK104CK56A	0603B104K500CT 100nF
		C1128	0CK104CK56A	0603B104K500CT 100nF

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*S	*AL	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
		C1129	0CK104CK56A	0603B104K500CT 100nF
		C113	0CK103CK56A	0603B103K500CT 10nF
		C1130	0CK104CK56A	0603B104K500CT 100nF
		C1131	0CK103CK51A	0603B103K500CT 10nF
		C1132	0CK103CK51A	0603B103K500CT 10nF
		C1133	0CK103CK51A	0603B103K500CT 10nF
		C1134	0CK103CK51A	0603B103K500CT 10nF
		C1139	0CK104CK56A	0603B104K500CT 100nF
		C114	0CK102CK56A	0603B102K500CT 1nF 1
		C1140	0CK104CK56A	0603B104K500CT 100nF
		C1141	0CK104CK56A	0603B104K500CT 100nF
		C1142	0CK104CK56A	0603B104K500CT 100nF
		C1143	0CK104CK56A	0603B104K500CT 100nF
		C1144	0CK103CK51A	0603B103K500CT 10nF
		C1145	0CK103CK51A	0603B103K500CT 10nF
		C1146	0CK103CK51A	0603B103K500CT 10nF
		C1147	0CK103CK51A	0603B103K500CT 10nF
		C115	0CK103CK56A	0603B103K500CT 10nF
		C1153	0CK104CK56A	0603B104K500CT 100nF
		C1155	0CK104CK56A	0603B104K500CT 100nF
		C1157	0CK103CK51A	0603B103K500CT 10nF
		C116	0CK102CK56A	0603B102K500CT 1nF 1
		C1161	0CK104CK56A	0603B104K500CT 100nF
		C1163	0CK104CK56A	0603B104K500CT 100nF
		C1164	0CK104CK56A	0603B104K500CT 100nF
		C1167	0CK104CK56A	0603B104K500CT 100nF
		C1168	0CK104CK56A	0603B104K500CT 100nF
		C1169	0CK104CK56A	0603B104K500CT 100nF
		C1170	0CK104CK56A	0603B104K500CT 100nF
		C1171	0CK104CK56A	0603B104K500CT 100nF
		C1172	0CK104CK56A	0603B104K500CT 100nF
		C1173	0CK104CK56A	0603B104K500CT 100nF
		C1174	0CK104CK56A	0603B104K500CT 100nF
		C1175	0CK104CK56A	0603B104K500CT 100nF
		C1176	0CK103CK51A	0603B103K500CT 10nF
		C1177	0CK103CK51A	0603B103K500CT 10nF
		C1178	0CK103CK51A	0603B103K500CT 10nF
		C1179	0CK103CK51A	0603B103K500CT 10nF
		C1180	0CK103CK51A	0603B103K500CT 10nF
		C1181	0CK103CK51A	0603B103K500CT 10nF
		C1182	0CK103CK51A	0603B103K500CT 10nF
		C1183	0CK103CK51A	0603B103K500CT 10nF
		C1184	0CK103CK51A	0603B103K500CT 10nF
		C1196	0CK104CK56A	0603B104K500CT 100nF
		C1197	0CK104CK56A	0603B104K500CT 100nF
		C1198	0CK103CK51A	0603B103K500CT 10nF
		C1202	0CK104CK56A	0603B104K500CT 100nF
		C1203	0CK104CK56A	0603B104K500CT 100nF
		C1204	0CK104CK56A	0603B104K500CT 100nF
		C1205	0CC102CK41A	C1608C0G1H102JT 1nF
		C1206	0CK102CK56A	0603B102K500CT 1nF 1
		C1207	0CK102CK56A	0603B102K500CT 1nF 1
		C1208	0CK102CK56A	0603B102K500CT 1nF 1
		C1209	0CK104CK56A	0603B104K500CT 100nF
		C1210	0CK102CK56A	0603B102K500CT 1nF 1
		C1211	0CK102CK56A	0603B102K500CT 1nF 1
		C1212	0CK102CK56A	0603B102K500CT 1nF 1
		C1213	0CK104CK56A	0603B104K500CT 100nF
		C1214	0CK104CK56A	0603B104K500CT 100nF
		C1215	0CK104CK56A	0603B104K500CT 100nF
		C1216	0CK104CK56A	0603B104K500CT 100nF
		C1217	0CK102CK56A	0603B102K500CT 1nF 1
		C1218	0CK102CK56A	0603B102K500CT 1nF 1
		C1219	0CK102CK56A	0603B102K500CT 1nF 1
		C1220	0CK102CK56A	0603B102K500CT 1nF 1
		C1221	0CC180CK41A	C1608C0G1H180JT 18pF
		C1222	0CK102CK56A	0603B102K500CT 1nF 1
		C1223	0CC180CK41A	C1608C0G1H180JT 18pF
		C1224	0CK102CK56A	0603B102K500CT 1nF 1
		C1226	0CK103CK56A	0603B103K500CT 10nF
		C1227	0CK103CK56A	0603B103K500CT 10nF
		C1228	0CK104CK56A	0603B104K500CT 100nF
		C1229	0CK104CK56A	0603B104K500CT 100nF
		C1230	0CK105CF94A	0603F105Z160CT 1uF -

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		C1231	0CK105CF94A	0603F105Z160CT 1uF -
		C1232	0CK104CK56A	0603B104K500CT 100nF
		C1233	0CK104CK56A	0603B104K500CT 100nF
		C1234	0CK104CK56A	0603B104K500CT 100nF
		C1235	0CK104CK56A	0603B104K500CT 100nF
		C1236	0CK102CK56A	0603B102K500CT 1nF 1
		C1237	0CK102CK56A	0603B102K500CT 1nF 1
		C1238	0CK102CK56A	0603B102K500CT 1nF 1
		C1239	0CK102CK56A	0603B102K500CT 1nF 1
		C1240	0CK102CK56A	0603B102K500CT 1nF 1
		C1241	0CK102CK56A	0603B102K500CT 1nF 1
		C1242	0CK102CK56A	0603B102K500CT 1nF 1
		C1243	0CK102CK56A	0603B102K500CT 1nF 1
		C1244	0CK102CK56A	0603B102K500CT 1nF 1
		C1246	0CK104CK56A	0603B104K500CT 100nF
		C1253	0CC120CK41A	C1608C0G1H120JT 12pF
		C1254	0CC120CK41A	C1608C0G1H120JT 12pF
		C1256	0CK104CK56A	0603B104K500CT 100nF
		C1257	0CK104CK56A	0603B104K500CT 100nF
		C1258	0CK104CK56A	0603B104K500CT 100nF
		C132	0CK103CK56A	0603B103K500CT 10nF
		C133	0CK104CK56A	0603B104K500CT 100nF
		C134	0CK104CK56A	0603B104K500CT 100nF
		C136	0CK104CK56A	0603B104K500CT 100nF
		C138	0CK104CK56A	0603B104K500CT 100nF
		C140	0CK103CK56A	0603B103K500CT 10nF
		C1404	0CK104CK56A	0603B104K500CT 100nF
		C1412	0CK682CK51A	C1608Y5P1H682KT 6.8n
		C1413	0CK682CK51A	C1608Y5P1H682KT 6.8n
		C1431	0CK471CK56A	C1608X7R1H471KT 470p
		C1432	0CK471CK56A	C1608X7R1H471KT 470p
		C144	0CK103CK56A	0603B103K500CT 10nF
		C1442	0CC102CK41A	C1608C0G1H102JT 1nF
		C1443	0CC102CK41A	C1608C0G1H102JT 1nF
		C1444	0CC102CK41A	C1608C0G1H102JT 1nF
		C1445	0CC102CK41A	C1608C0G1H102JT 1nF
		C1446	0CC102CK41A	C1608C0G1H102JT 1nF
		C1447	0CC102CK41A	C1608C0G1H102JT 1nF
		C1448	0CK474EK66A	C3216X7R1H474MT 470n
		C1449	0CK474EK66A	C3216X7R1H474MT 470n
		C145	0CK104CK56A	0603B104K500CT 100nF
		C1450	0CK104CK56A	0603B104K500CT 100nF
		C1451	0CK104CK56A	0603B104K500CT 100nF
		C1452	0CK104CK56A	0603B104K500CT 100nF
		C1453	0CK104CK56A	0603B104K500CT 100nF
		C1454	0CK104CK56A	0603B104K500CT 100nF
		C1455	0CK104CK56A	0603B104K500CT 100nF
		C1456	0CK104CK56A	0603B104K500CT 100nF
		C1457	0CK104CK56A	0603B104K500CT 100nF
		C1458	0CC331CK41A	C1608C0G1H331JT 330p
		C1459	0CK104CK56A	0603B104K500CT 100nF
		C1460	0CK105CD56A	C1608X7R1A105KT 1uF
		C1461	0CK104CK56A	0603B104K500CT 100nF
		C1462	0CK105CD56A	C1608X7R1A105KT 1uF
		C1463	0CK104CK56A	0603B104K500CT 100nF
		C1464	0CK104CK56A	0603B104K500CT 100nF
		C1465	0CK104CK56A	0603B104K500CT 100nF
		C1466	0CC102CK41A	C1608C0G1H102JT 1nF
		C1467	0CK104CK56A	0603B104K500CT 100nF
		C1468	0CK104CK56A	0603B104K500CT 100nF
		C1469	0CK104CK56A	0603B104K500CT 100nF
		C1470	0CC221CK41A	C1608C0G1H221JT 220p
		C1471	0CH2122K516	0805B122K500CT 1.2nF
		C1472	0CK104CK56A	0603B104K500CT 100nF
		C1473	0CC331CK41A	C1608C0G1H331JT 330p
		C1476	0CC560CK41A	C1608C0G1H560JT 56pF
		C1477	0CC560CK41A	C1608C0G1H560JT 56pF
		C1483	0CH5010K116	0805N1R0D500LT 1pF 0
		C1484	0CH5010K116	0805N1R0D500LT 1pF 0
		C1485	0CH5010K116	0805N1R0D500LT 1pF 0
		C151	0CC221CK41A	C1608C0G1H221JT 220p
		C152	0CC331CK41A	C1608C0G1H331JT 330p
		C153	0CC221CK41A	C1608C0G1H221JT 220p
		C154	0CC331CK41A	C1608C0G1H331JT 330p

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*S	*AL	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
		C155	0CC221CK41A	C1608C0G1H221JT 220p
		C156	0CC331CK41A	C1608C0G1H331JT 330p
		C1600	0CK104CK56A	0603B104K500CT 100nF
		C1602	0CK104CK56A	0603B104K500CT 100nF
		C1605	0CK104CK56A	0603B104K500CT 100nF
		C1606	0CK104CK56A	0603B104K500CT 100nF
		C1607	0CK103CK51A	0603B103K500CT 10nF
		C161	0CK104CK56A	0603B104K500CT 100nF
		C162	0CK104CK56A	0603B104K500CT 100nF
		C165	0CK104CK56A	0603B104K500CT 100nF
		C166	0CK104CK56A	0603B104K500CT 100nF
		C167	0CC150CK41A	C1608C0G1H150JT 15pF
		C168	0CC150CK41A	C1608C0G1H150JT 15pF
		C171	0CC050CK11A	C1608C0G1H050DT 5pF
		C172	0CH5010K116	0805N1R0D500LT 1pF 0
		C173	0CC050CK11A	C1608C0G1H050DT 5pF
		C176	0CK104CK56A	0603B104K500CT 100nF
		C177	0CK104CK56A	0603B104K500CT 100nF
		C178	0CC470CK41A	C1608C0G1H470JT 47pF
		C1800	0CK104CK56A	0603B104K500CT 100nF
		C1801	0CK104CK56A	0603B104K500CT 100nF
		C1802	0CK104CK56A	0603B104K500CT 100nF
		C1803	0CK104CK56A	0603B104K500CT 100nF
		C1804	0CK104CK56A	0603B104K500CT 100nF
		C1805	0CK104CK56A	0603B104K500CT 100nF
		C1806	0CK104CK56A	0603B104K500CT 100nF
		C1807	0CK104CK56A	0603B104K500CT 100nF
		C1808	0CK104CK56A	0603B104K500CT 100nF
		C1824	0CK104CK56A	0603B104K500CT 100nF
		C1831	0CK104CK56A	0603B104K500CT 100nF
		C1833	0CK104CK56A	0603B104K500CT 100nF
		C1835	0CK104CK56A	0603B104K500CT 100nF
		C184	0CK104CK56A	0603B104K500CT 100nF
		C185	0CK104CK56A	0603B104K500CT 100nF
		C186	0CK102CK56A	0603B102K500CT 1nF 1
		C1860	0CK104CK56A	0603B104K500CT 100nF
		C1865	0CK104CK56A	0603B104K500CT 100nF
		C1867	0CC101CK41A	C1608C0G1H101JT 100p
		C187	0CK102CK56A	0603B102K500CT 1nF 1
		C1900	0CK103CK51A	0603B103K500CT 10nF
		C1902	0CK103CK51A	0603B103K500CT 10nF
		C1912	0CK104CK56A	0603B104K500CT 100nF
		C1914	0CK104CK56A	0603B104K500CT 100nF
		C1915	0CK104CK56A	0603B104K500CT 100nF
		C1919	0CK104CK56A	0603B104K500CT 100nF
		C1920	0CK104CK56A	0603B104K500CT 100nF
		C1926	0CK104CK56A	0603B104K500CT 100nF
		C1927	0CK104CF56A	0603B104K160CT 100nF
		C1928	0CK104CK56A	0603B104K500CT 100nF
		C1929	0CK105CD56A	C1608X7R1A105KT 1uF
		C1931	0CK104CK56A	0603B104K500CT 100nF
		C1932	0CK104CK56A	0603B104K500CT 100nF
		C1933	0CK104CK56A	0603B104K500CT 100nF
		C1934	0CK104CK56A	0603B104K500CT 100nF
		C1935	0CK104CK56A	0603B104K500CT 100nF
		C1936	0CK105CD56A	C1608X7R1A105KT 1uF
		C200	0CK103CK56A	0603B103K500CT 10nF
		C201	0CK103CK56A	0603B103K500CT 10nF
		C202	0CK273CK56A	0603B273K500CT 27nF
		C206	0CC270CK41A	C1608C0G1H270JT 27pF
		C207	0CK103CK56A	0603B103K500CT 10nF
		C212	0CC101CK41A	C1608C0G1H101JT 100p
		C213	0CK103CK56A	0603B103K500CT 10nF
		C216	0CC270CK41A	C1608C0G1H270JT 27pF
		C217	0CC270CK41A	C1608C0G1H270JT 27pF
		C218	0CC270CK41A	C1608C0G1H270JT 27pF
		C219	0CK103CK56A	0603B103K500CT 10nF
		C220	0CK103CK56A	0603B103K500CT 10nF
		C222	0CK103CK56A	0603B103K500CT 10nF
		C223	0CK272CK46A	0603B272K500CT 2.7nF
		C224	0CK273CK56A	0603B273K500CT 27nF
		C225	0CK103CK56A	0603B103K500CT 10nF
		C227	0CK104CK56A	0603B104K500CT 100nF
		C229	0CC271CK41A	C1608C0G1H271JT 270p

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*S	*AL	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
		C230	0CC271CK41A	C1608C0G1H271JT 270p
		C231	0CK104CK56A	0603B104K500CT 100nF
		C232	0CK272CK46A	0603B272K500CT 2.7nF
		C233	0CK103CK56A	0603B103K500CT 10nF
		C234	0CC101CK41A	C1608C0G1H101JT 100p
		C239	0CK104CK56A	0603B104K500CT 100nF
		C240	0CC271CK41A	C1608C0G1H271JT 270p
		C242	0CK104CK56A	0603B104K500CT 100nF
		C244	0CK103CK56A	0603B103K500CT 10nF
		C301	0CK103CK51A	0603B103K500CT 10nF
		C302	0CK103CK51A	0603B103K500CT 10nF
		C303	0CK103CK51A	0603B103K500CT 10nF
		C306	0CK104CK56A	0603B104K500CT 100nF
		C308	0CK104CK56A	0603B104K500CT 100nF
		C309	0CK474CH94A	0603F474Z250CT 470nF
		C310	0CK103CK51A	0603B103K500CT 10nF
		C311	0CK474CH94A	0603F474Z250CT 470nF
		C312	0CK103CK51A	0603B103K500CT 10nF
		C313	0CK104CK56A	0603B104K500CT 100nF
		C314	0CK474CH94A	0603F474Z250CT 470nF
		C315	0CK225DFK4A	C2012Y5V1C225MT 2.2u
		C316	0CK474CH94A	0603F474Z250CT 470nF
		C317	0CK474CH94A	0603F474Z250CT 470nF
		C318	0CK225DFK4A	C2012Y5V1C225MT 2.2u
		C319	0CK225DFK4A	C2012Y5V1C225MT 2.2u
		C320	0CK225DFK4A	C2012Y5V1C225MT 2.2u
		C321	0CK225DFK4A	C2012Y5V1C225MT 2.2u
		C322	0CK474CH94A	0603F474Z250CT 470nF
		C323	0CK474CH94A	0603F474Z250CT 470nF
		C324	0CK474CH94A	0603F474Z250CT 470nF
		C325	0CK225DFK4A	C2012Y5V1C225MT 2.2u
		C326	0CK474CH94A	0603F474Z250CT 470nF
		C327	0CK474CH94A	0603F474Z250CT 470nF
		C328	0CK225DFK4A	C2012Y5V1C225MT 2.2u
		C329	0CK474CH94A	0603F474Z250CT 470nF
		C330	0CK225DFK4A	C2012Y5V1C225MT 2.2u
		C331	0CK474CH94A	0603F474Z250CT 470nF
		C332	0CK474CH94A	0603F474Z250CT 470nF
		C333	0CK474CH94A	0603F474Z250CT 470nF
		C334	0CK474CH94A	0603F474Z250CT 470nF
		C335	0CK474CH94A	0603F474Z250CT 470nF
		C337	0CK474CH94A	0603F474Z250CT 470nF
		C338	0CK225DFK4A	C2012Y5V1C225MT 2.2u
		C339	0CK104CK56A	0603B104K500CT 100nF
		C341	0CK222CK56A	0603B222K500CT 2.2nF
		C343	0CH2563K516	0805B563K500CT 56nF
		C344	0CK223CK51A	0603B223K500CT 22nF
		C345	0CK821CK56A	C1608X7R1H821KT 820p
		C346	0CK103CK51A	0603B103K500CT 10nF
		C348	0CK104CK56A	0603B104K500CT 100nF
		C349	0CK103CK51A	0603B103K500CT 10nF
		C350	0CK225DFK4A	C2012Y5V1C225MT 2.2u
		C351	0CK104CK56A	0603B104K500CT 100nF
		C400	0CK103CK56A	0603B103K500CT 10nF
		C401	0CK104CK56A	0603B104K500CT 100nF
		C404	0CH5010K116	0805N1R0D500LT 1pF 0
		C405	0CH5010K116	0805N1R0D500LT 1pF 0
		C406	0CK104CK56A	0603B104K500CT 100nF
		C407	0CK104CK56A	0603B104K500CT 100nF
		C408	0CC560CK41A	C1608C0G1H560JT 56pF
		C409	0CC560CK41A	C1608C0G1H560JT 56pF
		C410	0CK103CK56A	0603B103K500CT 10nF
		C414	0CH5010K116	0805N1R0D500LT 1pF 0
		C417	0CK474CH94A	0603F474Z250CT 470nF
		C418	0CH5010K116	0805N1R0D500LT 1pF 0
		C419	0CK104CK56A	0603B104K500CT 100nF
		C420	0CK103CK56A	0603B103K500CT 10nF
		C421	0CC560CK41A	C1608C0G1H560JT 56pF
		C422	0CC560CK41A	C1608C0G1H560JT 56pF
		C423	0CK474CH94A	0603F474Z250CT 470nF
		C426	0CK474CH94A	0603F474Z250CT 470nF
		C429	0CK474CH94A	0603F474Z250CT 470nF
		C430	0CK474CH94A	0603F474Z250CT 470nF
		C431	0CK104CK56A	0603B104K500CT 100nF

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*S	*AL	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
		C433	0CK474CH94A	0603F474Z250CT 470nF
		C434	0CK474CH94A	0603F474Z250CT 470nF
		C435	0CK103CK56A	0603B103K500CT 10nF
		C437	0CK103CK56A	0603B103K500CT 10nF
		C438	0CK474CH94A	0603F474Z250CT 470nF
		C441	0CK474CH94A	0603F474Z250CT 470nF
		C442	0CC101CK41A	C1608C0G1H101JT 100p
		C453	0CK103CK56A	0603B103K500CT 10nF
		C454	0CK471CK56A	C1608X7R1H471KT 470p
		C459	0CK104CK56A	0603B104K500CT 100nF
		C461	0CK103CK56A	0603B103K500CT 10nF
		C466	0CK104CK56A	0603B104K500CT 100nF
		C467	0CK682CK51A	C1608Y5P1H682KT 6.8n
		C471	0CK682CK51A	C1608Y5P1H682KT 6.8n
		C472	0CK682CK51A	C1608Y5P1H682KT 6.8n
		C473	0CK682CK51A	C1608Y5P1H682KT 6.8n
		C476	0CK471CK56A	C1608X7R1H471KT 470p
		C478	0CK104CK56A	0603B104K500CT 100nF
		C479	0CC101CK41A	C1608C0G1H101JT 100p
		C480	0CK103CK56A	0603B103K500CT 10nF
		C496	0CK104CK56A	0603B104K500CT 100nF
		C497	0CK474CH94A	0603F474Z250CT 470nF
		C498	0CK104CK56A	0603B104K500CT 100nF
		C502	0CK103CK56A	0603B103K500CT 10nF
		C503	0CK103CK56A	0603B103K500CT 10nF
		C516	0CK104CK56A	0603B104K500CT 100nF
		C517	0CK104CK56A	0603B104K500CT 100nF
		C524	0CK104CK56A	0603B104K500CT 100nF
		C540	0CK104CK56A	0603B104K500CT 100nF
		C541	0CK104CK56A	0603B104K500CT 100nF
		C601	0CK104CK56A	0603B104K500CT 100nF
		C602	0CK104CK56A	0603B104K500CT 100nF
		C603	0CK104CK56A	0603B104K500CT 100nF
		C605	0CC470CK41A	C1608C0G1H470JT 47pF
		C607	0CK104CK56A	0603B104K500CT 100nF
		C609	0CK104CK56A	0603B104K500CT 100nF
		C623	0CK104CK56A	0603B104K500CT 100nF
		C624	0CC221CK41A	C1608C0G1H221JT 220p
		C625	0CK104CK56A	0603B104K500CT 100nF
		C700	0CC300CK41A	C1608C0G1H300JT 30pF
		C701	0CC300CK41A	C1608C0G1H300JT 30pF
		C703	0CK104CK56A	0603B104K500CT 100nF
		C704	0CK104CK56A	0603B104K500CT 100nF
		C705	0CK104CK56A	0603B104K500CT 100nF
		C706	0CK104CK56A	0603B104K500CT 100nF
		C707	0CK104CK56A	0603B104K500CT 100nF
		C708	0CK104CK56A	0603B104K500CT 100nF
		C709	0CK104CK56A	0603B104K500CT 100nF
		C710	0CK104CK56A	0603B104K500CT 100nF
		C711	0CK104CK56A	0603B104K500CT 100nF
		C713	0CK104CK56A	0603B104K500CT 100nF
		C714	0CK104CK56A	0603B104K500CT 100nF
		C715	0CK104CK56A	0603B104K500CT 100nF
		C717	0CK104CK56A	0603B104K500CT 100nF
		C721	0CK104CK56A	0603B104K500CT 100nF
		C723	0CK104CK56A	0603B104K500CT 100nF
		C724	0CK104CK56A	0603B104K500CT 100nF
		C725	0CK104CK56A	0603B104K500CT 100nF
		C727	0CC221CK41A	C1608C0G1H221JT 220p
		C732	0CK104CK56A	0603B104K500CT 100nF
		C733	0CK104CK56A	0603B104K500CT 100nF
		C734	0CK104CK56A	0603B104K500CT 100nF
		C736	0CK104CK56A	0603B104K500CT 100nF
		C738	0CK104CK56A	0603B104K500CT 100nF
		C740	0CK104CK56A	0603B104K500CT 100nF
		C741	0CK104CK56A	0603B104K500CT 100nF
		C742	0CK104CK56A	0603B104K500CT 100nF
		C743	0CK104CK56A	0603B104K500CT 100nF
		C744	0CK104CK56A	0603B104K500CT 100nF
		C746	0CK104CK56A	0603B104K500CT 100nF
		C747	0CK104CK56A	0603B104K500CT 100nF
		C748	0CK104CK56A	0603B104K500CT 100nF
		C749	0CK104CK56A	0603B104K500CT 100nF
		C751	0CK104CK56A	0603B104K500CT 100nF

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*S	*AL	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
		C753	0CK104CK56A	0603B104K500CT 100nF
		C754	0CK104CK56A	0603B104K500CT 100nF
		C755	0CK104CK56A	0603B104K500CT 100nF
		C756	0CK104CK56A	0603B104K500CT 100nF
		C757	0CK104CK56A	0603B104K500CT 100nF
		C758	0CK104CK56A	0603B104K500CT 100nF
		C759	0CK104CK56A	0603B104K500CT 100nF
		C761	0CK104CK56A	0603B104K500CT 100nF
		C763	0CK104CK56A	0603B104K500CT 100nF
		C765	0CK104CK56A	0603B104K500CT 100nF
		C766	0CK104CK56A	0603B104K500CT 100nF
		C768	0CK104CK56A	0603B104K500CT 100nF
		C769	0CK104CK56A	0603B104K500CT 100nF
		C770	0CK104CK56A	0603B104K500CT 100nF
		C772	0CK104CK56A	0603B104K500CT 100nF
		C800	0CK104CK56A	0603B104K500CT 100nF
		C803	0CK104CK56A	0603B104K500CT 100nF
		C804	0CC150CK41A	C1608C0G1H150JT 15pF
		C805	0CK104CK56A	0603B104K500CT 100nF
		C806	0CC150CK41A	C1608C0G1H150JT 15pF
		C807	0CK104CK56A	0603B104K500CT 100nF
		C808	0CK104CK56A	0603B104K500CT 100nF
		C809	0CH5101K416	C2012C0G1H101JT 100p
		C810	0CC300CK41A	C1608C0G1H300JT 30pF
		C811	0CC300CK41A	C1608C0G1H300JT 30pF
		C812	0CK104CK56A	0603B104K500CT 100nF
		C813	0CK104CK56A	0603B104K500CT 100nF
		C814	0CK104CK56A	0603B104K500CT 100nF
		C815	0CK104CK56A	0603B104K500CT 100nF
		C816	0CK104CK56A	0603B104K500CT 100nF
		C817	0CK104CK56A	0603B104K500CT 100nF
		C818	0CK104CK56A	0603B104K500CT 100nF
		C819	0CK104CK56A	0603B104K500CT 100nF
		C820	0CK104CK56A	0603B104K500CT 100nF
		C821	0CK104CK56A	0603B104K500CT 100nF
		C822	0CK104CK56A	0603B104K500CT 100nF
		C823	0CK104CK56A	0603B104K500CT 100nF
		C824	0CK104CK56A	0603B104K500CT 100nF
		C825	0CK104CK56A	0603B104K500CT 100nF
		C826	0CK104CK56A	0603B104K500CT 100nF
		C827	0CK104CK56A	0603B104K500CT 100nF
		C830	0CK104CK56A	0603B104K500CT 100nF
		C831	0CK104CK56A	0603B104K500CT 100nF
		C841	0CK104CK56A	0603B104K500CT 100nF
		C842	0CK104CK56A	0603B104K500CT 100nF
		C843	0CK104CK56A	0603B104K500CT 100nF
		C844	0CK104CK56A	0603B104K500CT 100nF
		C845	0CK104CK56A	0603B104K500CT 100nF
		C846	0CK104CK56A	0603B104K500CT 100nF
		C847	0CK104CK56A	0603B104K500CT 100nF
		C848	0CK104CK56A	0603B104K500CT 100nF
		C849	0CK104CK56A	0603B104K500CT 100nF
		C850	0CK104CK56A	0603B104K500CT 100nF
		C852	0CK104CK56A	0603B104K500CT 100nF
		C854	0CK104CK56A	0603B104K500CT 100nF
		C855	0CK104CK56A	0603B104K500CT 100nF
		C856	0CK104CK56A	0603B104K500CT 100nF
		C857	0CK104CK56A	0603B104K500CT 100nF
		C858	0CK104CK56A	0603B104K500CT 100nF
		C859	0CK104CK56A	0603B104K500CT 100nF
		C860	0CK104CK56A	0603B104K500CT 100nF
		C861	0CK104CK56A	0603B104K500CT 100nF
		C862	0CK104CK56A	0603B104K500CT 100nF
		C863	0CK104CK56A	0603B104K500CT 100nF
		C864	0CK104CK56A	0603B104K500CT 100nF
		C865	0CK104CK56A	0603B104K500CT 100nF
		C866	0CK104CK56A	0603B104K500CT 100nF
		C867	0CK104CK56A	0603B104K500CT

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*S	*AL	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
		C874	0CK104CK56A	0603B104K500CT 100nF
		C875	0CK104CK56A	0603B104K500CT 100nF
		C876	0CK104CK56A	0603B104K500CT 100nF
		C877	0CK104CK56A	0603B104K500CT 100nF
		C878	0CK104CK56A	0603B104K500CT 100nF
		C879	0CK104CK56A	0603B104K500CT 100nF
		C880	0CK104CK56A	0603B104K500CT 100nF
		C881	0CK104CK56A	0603B104K500CT 100nF
		C882	0CK104CK56A	0603B104K500CT 100nF
		C883	0CK104CK56A	0603B104K500CT 100nF
		C885	0CK104CK56A	0603B104K500CT 100nF
		C886	0CK104CK56A	0603B104K500CT 100nF
		C887	0CK104CK56A	0603B104K500CT 100nF
		C888	0CK104CK56A	0603B104K500CT 100nF
		C889	0CK104CK56A	0603B104K500CT 100nF
		C890	0CK104CK56A	0603B104K500CT 100nF
		C891	0CK104CK56A	0603B104K500CT 100nF
		C892	0CK104CK56A	0603B104K500CT 100nF
		C893	0CK104CK56A	0603B104K500CT 100nF
		C894	0CK104CK56A	0603B104K500CT 100nF
		C895	0CK104CK56A	0603B104K500CT 100nF
		C897	0CK104CK56A	0603B104K500CT 100nF
		C898	0CK104CK56A	0603B104K500CT 100nF
		C899	0CK104CK56A	0603B104K500CT 100nF
		C902	0CK104CK56A	0603B104K500CT 100nF
		C903	0CK103CK51A	0603B103K500CT 10nF
		C906	0CK104CK56A	0603B104K500CT 100nF
		C907	0CK103CK51A	0603B103K500CT 10nF
		C908	0CK104CK56A	0603B104K500CT 100nF
		C909	0CK103CK51A	0603B103K500CT 10nF
		C910	0CK104CK56A	0603B104K500CT 100nF
		C911	0CK103CK51A	0603B103K500CT 10nF
		C912	0CK104CK56A	0603B104K500CT 100nF
		C913	0CK103CK51A	0603B103K500CT 10nF
		C914	0CK104CK56A	0603B104K500CT 100nF
		C915	0CK103CK51A	0603B103K500CT 10nF
		C916	0CK104CK56A	0603B104K500CT 100nF
		C917	0CK103CK51A	0603B103K500CT 10nF
		C918	0CK104CK56A	0603B104K500CT 100nF
		C919	0CK103CK51A	0603B103K500CT 10nF
		C920	0CK104CK56A	0603B104K500CT 100nF
		C921	0CK103CK51A	0603B103K500CT 10nF
		C922	0CK104CK56A	0603B104K500CT 100nF
		C923	0CK103CK51A	0603B103K500CT 10nF
		C924	0CK104CK56A	0603B104K500CT 100nF
		C925	0CK103CK51A	0603B103K500CT 10nF
		C926	0CK104CK56A	0603B104K500CT 100nF
		C927	0CK103CK51A	0603B103K500CT 10nF
		C928	0CK104CK56A	0603B104K500CT 100nF
		C929	0CK103CK51A	0603B103K500CT 10nF
		C931	0CK104CK56A	0603B104K500CT 100nF
		C932	0CK103CK51A	0603B103K500CT 10nF
		C933	0CK104CK56A	0603B104K500CT 100nF
		C934	0CK103CK51A	0603B103K500CT 10nF
		C935	0CK104CK56A	0603B104K500CT 100nF
		C936	0CK103CK51A	0603B103K500CT 10nF
		C937	0CK104CK56A	0603B104K500CT 100nF
		C938	0CK103CK51A	0603B103K500CT 10nF
		C939	0CK104CK56A	0603B104K500CT 100nF
		C940	0CK103CK51A	0603B103K500CT 10nF
		C941	0CK104CK56A	0603B104K500CT 100nF
		C942	0CK103CK51A	0603B103K500CT 10nF
		C943	0CK103CK56A	0603B103K500CT 10nF
		C944	0CK104CK56A	0603B104K500CT 100nF
		C945	0CK102CK56A	0603B102K500CT 1nF 1
		C949	0CK103CK51A	0603B103K500CT 10nF
		C951	0CK104CK56A	0603B104K500CT 100nF
		C990	0CC030CK01A	0603N3R0C500LT 3pF 0
		C991	0CC030CK01A	0603N3R0C500LT 3pF 0
		C992	0CK104CK56A	0603B104K500CT 100nF
		C993	0CC101CK41A	C1608C0G1H101JT 100p
		R1952	0CK104CK56A	0603B104K500CT 100nF
		R1953	0CK104CK56A	0603B104K500CT 100nF

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*S	*AL	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
DIODEs				
		D1200	0DD184009AA	KDS184 KDS184 TP KEC
		D1012	0DD200009AF	RU2M 400V 1.2V 10UA
		D1013	0DD200009AF	RU2M 400V 1.2V 10UA
		D1005	0DD226239AA	KDS226 1.2V 85V 300M
		D1006	0DD226239AA	KDS226 1.2V 85V 300M
		D1007	0DD226239AA	KDS226 1.2V 85V 300M
		D1008	0DD226239AA	KDS226 1.2V 85V 300M
		D1009	0DD226239AA	KDS226 1.2V 85V 300M
		D1010	0DD226239AA	KDS226 1.2V 85V 300M
		D102	0DD226239AA	KDS226 1.2V 85V 300M
		D105	0DD226239AA	KDS226 1.2V 85V 300M
		D106	0DD226239AA	KDS226 1.2V 85V 300M
		D1100	0DD226239AA	KDS226 1.2V 85V 300M
		D1105	0DD226239AA	KDS226 1.2V 85V 300M
		D1106	0DD226239AA	KDS226 1.2V 85V 300M
		D1107	0DD226239AA	KDS226 1.2V 85V 300M
		D1109	0DD226239AA	KDS226 1.2V 85V 300M
		D1110	0DD226239AA	KDS226 1.2V 85V 300M
		D112	0DD226239AA	KDS226 1.2V 85V 300M
		D113	0DD226239AA	KDS226 1.2V 85V 300M
		D114	0DD226239AA	KDS226 1.2V 85V 300M
		D200	0DS113379BA	1SS133 1.2V 90V 400M
		D300	0DD226239AA	KDS226 1.2V 85V 300M
		D500	0DD226239AA	KDS226 1.2V 85V 300M
		D501	0DD226239AA	KDS226 1.2V 85V 300M
		D502	0DD226239AA	KDS226 1.2V 85V 300M
		D504	0DR050008AA	SD05.TC - 6V 14.5V 2
		D505	0DR050008AA	SD05.TC - 6V 14.5V 2
		D506	0DR050008AA	SD05.TC - 6V 14.5V 2
		D507	0DR050008AA	SD05.TC - 6V 14.5V 2
		ZD300	0DR050008AA	SD05.TC - 6V 14.5V 2
		ZD301	0DR050008AA	SD05.TC - 6V 14.5V 2
		ZD600	0DR050008AA	SD05.TC - 6V 14.5V 2
		ZD605	0DR050008AA	SD05.TC - 6V 14.5V 2
		ZD606	0DR050008AA	SD05.TC - 6V 14.5V 2
		ZD607	0DR050008AA	SD05.TC - 6V 14.5V 2
		ZD102	0DZ560009DA	UDZS5.6B 5.6V 5.49TO
		ZD103	0DZ560009DA	UDZS5.6B 5.6V 5.49TO
		ZD400	0DZRM00248A	RLZ8.2B 8.2V 7.78TO8
		ZD401	0DZRM00248A	RLZ8.2B 8.2V 7.78TO8
IC				
		IC100	0IMCRM1006B	M52758FP 4.75TO5.5V
		IC1206	0ISO206900A	CXA2069Q 8.5TO9.5V -
		IC404	0ILNR00261A	STA323AW 10TO36V 0 1
		IC502	0IPH741400E	74HC14D 2TO6V 0.002m
		IC604	0ITO741570C	TC74LCX157FT 2TO3.6V
		IC901	0IMMRHY052C	HY5DU281622ETP-5 128
		IC902	0IMMRHY052C	HY5DU281622ETP-5 128
		IC1201	0IMMR00018A	24LC02BT-I/SN 2KBIT
		IC500	0IMMR00018A	24LC02BT-I/SN 2KBIT
		IC701	0IMMRAL025A	AT24C32AN-10SU-2.7 3
		IC805	0IMP242560A	24LC256T-I/SM 256KBI
		IC1000	0IPRPM001A	MIC39100 2.3TO26V 0
		IC1001	0IPMGKE011A	KIA78D33F 4TO10V 3.3
		IC1003	0IPMG00027A	SC156515M-1.8TR 2.2T
		IC1004	0IPMGKE011A	KIA78D33F 4TO10V 3.3
		IC1005	0IPMGKE011A	KIA78D33F 4TO10V 3.3
		IC1100	0IPMGKE011A	KIA78D33F 4TO10V 3.3
		IC1101	0IPRPM001A	MIC39100 2.3TO26V 0
		IC1102	0IPMG00027A	SC156515M-1.8TR 2.2T
		IC1103	0IPMGKE030A	KIA78R05F 6TO12V 5V
		IC1104	0IPMG00027A	SC156515M-1.8TR 2.2T
		IC1105	0IPRPM001A	MIC39100 2.3TO26V 0
		IC703	0IMMR00004C	SST25VFO40-20-4C-S2A
		IC900	0IMMRMR027E	MX29LV320CTTC-70G 32
		IC1200	0IPRPS5005A	SI9011CLU - - LQFP
		IC400	0IMCRMN028C	MSP4450K-QA-D6 7.6TO
		IC406	0IMCRMN028C	MSP4450K-QA-D6 7.6TO
		IC600	0IPRP00009A	ICL3232CBNZ 3VTO5.5V
		IC301	0ISA721700C	LA7217M 4.5VTO5.5V 1

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*S	*AL	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
		L1214	6140TBZ007F	SLF12575T-220M4R0-L
		L1215	6140TBZ007F	SLF12575T-220M4R0-L
		L1216	6140TBZ007F	SLF12575T-220M4R0-L
TRANSISTOR				
		Q100	0TR387500AA	2SC3875S(ALY) NPN 5V
		Q1000	0TR387500AA	2SC3875S(ALY) NPN 5V
		Q1001	0TR387500AA	2SC3875S(ALY) NPN 5V
		Q1002	0TR387500AA	2SC3875S(ALY) NPN 5V
		Q1003	0TR387500AA	2SC3875S(ALY) NPN 5V
		Q1004	0TR387500AA	2SC3875S(ALY) NPN 5V
		Q1005	0TR387500AA	2SC3875S(ALY) NPN 5V
		Q101	0TR387500AA	2SC3875S(ALY) NPN 5V
		Q102	0TR102009AM	KRA102S PNP -30V - -
		Q103	0TR387500AA	2SC3875S(ALY) NPN 5V
		Q104	0TR387500AA	2SC3875S(ALY) NPN 5V
		Q105	0TR387500AA	2SC3875S(ALY) NPN 5V
		Q106	0TR387500AA	2SC3875S(ALY) NPN 5V
		Q107	0TR387500AA	2SC3875S(ALY) NPN 5V
		Q108	0TR387500AA	2SC3875S(ALY) NPN 5V
		Q109	0TR387500AA	2SC3875S(ALY) NPN 5V
		Q110	0TR387500AA	2SC3875S(ALY) NPN 5V
		Q1200	0TR387500AA	2SC3875S(ALY) NPN 5V
		Q1202	0TR387500AA	2SC3875S(ALY) NPN 5V
		Q200	0TR150400BA	2SA1504S(ASY) PNP -5
		Q201	0TR387500AA	2SC3875S(ALY) NPN 5V
		Q202	0TR387500AA	2SC3875S(ALY) NPN 5V
		Q203	0TR150400BA	2SA1504S(ASY) PNP -5
		Q204	0TR150400BA	2SA1504S(ASY) PNP -5
		Q205	0TR387500AA	2SC3875S(ALY) NPN 5V
		Q206	0TR150400BA	2SA1504S(ASY) PNP -5
		Q207	0TR150400BA	2SA1504S(ASY) PNP -5
		Q208	0TR387500AA	2SC3875S(ALY) NPN 5V
		Q209	0TR387500AA	2SC3875S(ALY) NPN 5V
		Q210	0TR150400BA	2SA1504S(ASY) PNP -5
		Q214	0TR387500AA	2SC3875S(ALY) NPN 5V
		Q300	0TR387500AA	2SC3875S(ALY) NPN 5V
		Q301	0TR387500AA	2SC3875S(ALY) NPN 5V
		Q302	0TR387500AA	2SC3875S(ALY) NPN 5V
		Q303	0TR387500AA	2SC3875S(ALY) NPN 5V
		Q304	0TR387500AA	2SC3875S(ALY) NPN 5V
		Q305	0TR150400BA	2SA1504S(ASY) PNP -5
		Q306	0TR387500AA	2SC3875S(ALY) NPN 5V
		Q307	0TR387500AA	2SC3875S(ALY) NPN 5V
		Q400	0TR387500AA	2SC3875S(ALY) NPN 5V
		Q401	0TR387500AA	2SC3875S(ALY) NPN 5V
		Q402	0TR387500AA	2SC3875S(ALY) NPN 5V
		Q403	0TR387500AA	2SC3875S(ALY) NPN 5V
		Q404	0TR387500AA	2SC3875S(ALY) NPN 5V
		Q405	0TR102009AM	KRA102S PNP -30V - -
		Q406	0TR387500AA	2SC3875S(ALY) NPN 5V
		Q407	0TR387500AA	2SC3875S(ALY) NPN 5V
		Q408	0TR102009AM	KRA102S PNP -30V - -
		Q409	0TR387500AA	2SC3875S(ALY) NPN 5V
		Q410	0TR387500AA	2SC3875S(ALY) NPN 5V
		Q411	0TR387500AA	2SC3875S(ALY) NPN 5V
		Q412	0TR387500AA	2SC3875S(ALY) NPN 5V
		Q413	0TR387500AA	2SC3875S(ALY) NPN 5V
		Q700	0TR387500AA	2SC3875S(ALY) NPN 5V
		Q701	0TR387500AA	2SC3875S(ALY) NPN 5V
		Q702	0TR387500AA	2SC3875S(ALY) NPN 5V
		IC1202	0TR830009BA	BSS83 N-CHANNEL MOSF
		IC1203	0TR830009BA	BSS83 N-CHANNEL MOSF
		IC200	0TR830009BA	BSS83 N-CHANNEL MOSF
		IC201	0TR830009BA	BSS83 N-CHANNEL MOSF
		IC503	0TR830009BA	BSS83 N-CHANNEL MOSF
		IC504	0TR830009BA	BSS83 N-CHANNEL MOSF
		Q1201	0TF492509AA	SI4925DY P-CHANNEL -
RESISTORS				
		AR700	0RJ0222C687	RCA86TRJ22R0 22OHM 5
		AR701	0RJ0222C687	RCA86TRJ22R0 22OHM 5

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*S	*AL	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
		AR702	0RJ0222C687	RCA86TRJ22R0 22OHM 5
		AR703	0RJ0222C687	RCA86TRJ22R0 22OHM 5
		AR704	0RJ0222C687	RCA86TRJ22R0 22OHM 5
		AR705	0RJ0222C687	RCA86TRJ22R0 22OHM 5
		AR806	0RRZVTA001B	MNR14E0ABJ510 51OHM
		AR807	0RRZVTA001B	MNR14E0ABJ510 51OHM
		AR808	0RRZVTA001B	MNR14E0ABJ510 51OHM
		AR809	0RRZVTA001B	MNR14E0ABJ510 51OHM
		AR810	0RRZVTA001B	MNR14E0ABJ510 51OHM
		AR811	0RRZVTA001B	MNR14E0ABJ510 51OHM
		AR812	0RRZVTA001B	MNR14E0ABJ510 51OHM
		AR813	0RRZVTA001B	MNR14E0ABJ510 51OHM
		AR814	0RRZVTA001B	MNR14E0ABJ510 51OHM
		AR815	0RRZVTA001B	MNR14E0ABJ510 51OHM
		AR816	0RRZVTA001B	MNR14E0ABJ510 51OHM
		AR817	0RRZVTA001B	MNR14E0ABJ510 51OHM
		R230	0RD0331H609	RD-92T1J3R30 3.3OHM
		C128	0RJ0000D677	MCR03EZPJ000 0OHM 5%
		L600	0RJ0000D677	MCR03EZPJ000 0OHM 5%
		L601	0RJ0000D677	MCR03EZPJ000 0OHM 5%
		L602	0RJ0000D677	MCR03EZPJ000 0OHM 5%
		L603	0RJ0000D677	MCR03EZPJ000 0OHM 5%
		L605	0RJ0000D677	MCR03EZPJ000 0OHM 5%
		R1	0RJ0000D677	MCR03EZPJ000 0OHM 5%
		R10	0RJ0000D677	MCR03EZPJ000 0OHM 5%
		R100	0RJ0752D677	MCR03EZPJ750 75OHM 5
		R1001	0RJ1002D677	MCR03EZPJ103 10KOHM
		R1003	0RJ1002D677	MCR03EZPJ103 10KOHM
		R1004	0RJ2002D677	MCR03EZPJ203 20KOHM
		R1006	0RJ0000D677	MCR03EZPJ000 0OHM 5%
		R1007	0RJ0000D677	MCR03EZPJ000 0OHM 5%
		R1008	0RJ2000D677	MCR03EZPJ201 200OHM
		R1009	0RJ4701D677	MCR03EZPJ472 4.7KOHM
		R101	0RJ0000D677	MCR03EZPJ000 0OHM 5%
		R1010	0RJ1001D677	MCR03EZPJ102 1KOHM 5
		R1011	0RJ1001D677	MCR03EZPJ102 1KOHM 5
		R1012	0RJ1001D677	MCR03EZPJ102 1KOHM 5
		R1014	0RJ1002D677	MCR03EZPJ103 10KOHM
		R1015	0RJ1002D677	MCR03EZPJ103 10KOHM
		R1016	0RJ1002D677	MCR03EZPJ103 10KOHM
		R1017	0RJ1801D677	MCR03EZPJ182 1.8KOHM
		R1018	0RJ1002D677	MCR03EZPJ103 10KOHM
		R1019	0RJ1002D677	MCR03EZPJ103 10KOHM
		R102	0RJ0752D677	MCR03EZPJ750 75OHM 5
		R1020	0RJ1001D677	MCR03EZPJ102 1KOHM 5
		R1021	0RJ1001D677	MCR03EZPJ102 1KOHM 5
		R1022	0RJ1001D677	MCR03EZPJ102 1KOHM 5
		R1023	0RJ1002D677	MCR03EZPJ103 10KOHM
		R103	0RJ0562D677	MCR03EZPJ560 56OHM 5
		R104	0RJ0752D677	MCR03EZPJ750 75OHM 5
		R105	0RJ0000D677	MCR03EZPJ000 0OHM 5%
		R106	0RJ4702D677	MCR03EZPJ473 47KOHM
		R107	0RJ4701D677	MCR03EZPJ472 4.7KOHM
		R108	0RJ0822D677	MCR03EZPJ820 82OHM 5
		R109	0RJ1002D677	MCR03EZPJ103 10KOHM
		R11	0RJ0000D677	MCR03EZPJ000 0OHM 5%
		R110	0RJ3002D477	MCR03EZPF303 30KOHM
		R1101	0RJ1002D677	MCR03EZPJ103 10KOHM
		R1105	0RJ1201D677	MCR03EZPJ122 1.2KOHM
		R1106	0RJ1002D677	MCR03EZPJ103 10KOHM
		R1107	0RJ1002D677	MCR03EZPJ103 10KOHM
		R1108	0RJ2002D677	MCR03EZPJ203 20KOHM
		R1109	0RJ1002D677	MCR03EZPJ103 10KOHM
		R111	0RJ4702D677	MCR03EZPJ473 47KOHM
		R1110	0RJ1002D677	MCR03EZPJ103 10KOHM
		R1111	0RJ2002D677	MCR03EZPJ203 20KOHM
		R1112	0RJ5101D677	MCR03EZPJ512 5.1KOHM
		R1113	0RJ1801D677	MCR03EZPJ182 1.8KOHM
		R1114	0RJ2201D677	MCR03EZPJ222 2.2KOHM
		R112	0RJ0822D677	MCR03EZPJ820 82OHM 5
		R113	0RJ0822D677	MCR03EZPJ820 82OHM 5
		R114	0RJ0822D677	MCR03EZPJ820 82OHM 5
		R115	0RJ0822D677	MCR03EZPJ820 82OHM 5
		R116	0RJ0822D677	MCR03EZPJ820 82OHM 5

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		R117	0RJ2203D677	MCR03EZPJ224 220KOHM
		R119	0RJ2203D677	MCR03EZPJ224 220KOHM
		R12	0RJ0000D677	MCR03EZPJ000 0OHM 5%
		R1201	0RJ0000D677	MCR03EZPJ000 0OHM 5%
		R1202	0RJ1001D677	MCR03EZPJ102 1KOHM 5
		R1205	0RJ1000D677	MCR03EZPJ101 100OHM
		R1206	0RJ1000D677	MCR03EZPJ101 100OHM
		R1207	0RJ4702D677	MCR03EZPJ473 47KOHM
		R1208	0RJ4702D677	MCR03EZPJ473 47KOHM
		R121	0RJ2203D677	MCR03EZPJ224 220KOHM
		R1211	0RJ1001D677	MCR03EZPJ102 1KOHM 5
		R1212	0RJ1000D677	MCR03EZPJ101 100OHM
		R1213	0RJ1000D677	MCR03EZPJ101 100OHM
		R1214	0RJ4701D477	MCR03EZPF472 4.7KOHM
		R1216	0RJ1000D677	MCR03EZPJ101 100OHM
		R1217	0RJ1000D677	MCR03EZPJ101 100OHM
		R1218	0RJ0222D677	MCR03EZPJ220 22OHM 5
		R1219	0RJ0222D677	MCR03EZPJ220 22OHM 5
		R1220	0RJ0222D677	MCR03EZPJ220 22OHM 5
		R1221	0RJ0222D677	MCR03EZPJ220 22OHM 5
		R1222	0RJ0332D677	MCR03EZPJ330 33OHM 5
		R1223	0RJ1004D677	MCR03EZPJ105 1MOHM 5
		R1224	0RJ4701D477	MCR03EZPF472 4.7KOHM
		R1225	0RJ1000D677	MCR03EZPJ101 100OHM
		R1226	0RJ0222D677	MCR03EZPJ220 22OHM 5
		R1227	0RJ0222D677	MCR03EZPJ220 22OHM 5
		R1228	0RJ0222D677	MCR03EZPJ220 22OHM 5
		R1229	0RJ0222D677	MCR03EZPJ220 22OHM 5
		R123	0RJ2203D677	MCR03EZPJ224 220KOHM
		R1230	0RJ1002D677	MCR03EZPJ103 10KOHM
		R1232	0RJ1001D677	MCR03EZPJ102 1KOHM 5
		R1234	0RJ0000D677	MCR03EZPJ000 0OHM 5%
		R1236	0RJ2001D677	MCR03EZPJ202 2KOHM 5
		R1238	0RJ1002D677	MCR03EZPJ103 10KOHM
		R1239	0RJ1002D677	MCR03EZPJ103 10KOHM
		R1240	0RJ1002D677	MCR03EZPJ103 10KOHM
		R1241	0RJ1002D677	MCR03EZPJ103 10KOHM
		R1242	0RJ0000D677	MCR03EZPJ000 0OHM 5%
		R1243	0RJ0000D677	MCR03EZPJ000 0OHM 5%
		R1244	0RJ0000D677	MCR03EZPJ000 0OHM 5%
		R1245	0RJ0000D677	MCR03EZPJ000 0OHM 5%
		R1246	0RJ0000D677	MCR03EZPJ000 0OHM 5%
		R1247	0RJ0000D677	MCR03EZPJ000 0OHM 5%
		R1248	0RJ0000D677	MCR03EZPJ000 0OHM 5%
		R1249	0RJ0000D677	MCR03EZPJ000 0OHM 5%
		R125	0RJ3002D477	MCR03EZPF303 30KOHM
		R126	0RJ2203D677	MCR03EZPJ224 220KOHM
		R127	0RJ4703D677	MCR03EZPJ474 470KOHM
		R128	0RJ2203D677	MCR03EZPJ224 220KOHM
		R129	0RJ4703D677	MCR03EZPJ474 470KOHM
		R13	0RJ0000D677	MCR03EZPJ000 0OHM 5%
		R130	0RJ2203D677	MCR03EZPJ224 220KOHM
		R131	0RJ4703D677	MCR03EZPJ474 470KOHM
		R132	0RJ2203D677	MCR03EZPJ224 220KOHM
		R133	0RJ4703D677	MCR03EZPJ474 470KOHM
		R134	0RJ0752D677	MCR03EZPJ750 75OHM 5
		R135	0RJ1001D677	MCR03EZPJ102 1KOHM 5
		R136	0RJ1001D677	MCR03EZPJ102 1KOHM 5
		R137	0RJ1001D677	MCR03EZPJ102 1KOHM 5
		R138	0RJ1001D677	MCR03EZPJ102 1KOHM 5
		R139	0RJ0222D677	MCR03EZPJ220 22OHM 5
		R14	0RJ0000D677	MCR03EZPJ000 0OHM 5%
		R140	0RJ1001D677	MCR03EZPJ102 1KOHM 5
		R141	0RJ1001D677	MCR03EZPJ102 1KOHM 5
		R142	0RJ0222D677	MCR03EZPJ220 22OHM 5
		R143	0RJ4701D677	MCR03EZPJ472 4.7KOHM
		R1432	0RJ4703D677	MCR03EZPJ474 470KOHM
		R1433	0RJ0000D677	MCR03EZPJ000 0OHM 5%
		R1436	0RJ0000D677	MCR03EZPJ000 0OHM 5%
		R144	0RJ6801D477	MCR03EZPF682 6.8KOHM
		R1442	0RJ4703D677	MCR03EZPJ474 470KOHM
		R1443	0RJ0000D677	MCR03EZPJ000 0OHM 5%
		R1444	0RJ1000D677	MCR03EZPJ101 100OHM
		R1445	0RJ0222D677	MCR03EZPJ220 22OHM 5

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		R1446	0RJ0222D677	MCR03EZPJ220 22OHM 5
		R1447	0RJ0000D677	MCR03EZPJ000 0OHM 5%
		R1448	0RJ2001D677	MCR03EZPJ202 2KOHM 5
		R1449	0RJ2001D677	MCR03EZPJ202 2KOHM 5
		R145	0RJ0822D677	MCR03EZPJ820 82OHM 5
		R1450	0RJ0222D677	MCR03EZPJ220 22OHM 5
		R1451	0RJ0102D677	MCR03EZPJ100 100OHM 5
		R1452	0RJ0102D677	MCR03EZPJ100 100OHM 5
		R1453	0RJ0102D677	MCR03EZPJ100 100OHM 5
		R1454	0RJ0102D677	MCR03EZPJ100 100OHM 5
		R1455	0RJ0102D677	MCR03EZPJ100 100OHM 5
		R1456	0RJ0102D677	MCR03EZPJ100 100OHM 5
		R1457	0RJ0102D677	MCR03EZPJ100 100OHM 5
		R1458	0RJ0102D677	MCR03EZPJ100 100OHM 5
		R1459	0RJ0392D677	MCR03EZPJ390 39OHM 5
		R146	0RJ4701D677	MCR03EZPJ472 4.7KOHM
		R1460	0RJ0392D677	MCR03EZPJ390 39OHM 5
		R1461	0RJ0392D677	MCR03EZPJ390 39OHM 5
		R1462	0RJ0392D677	MCR03EZPJ390 39OHM 5
		R1463	0RJ0000D677	MCR03EZPJ000 0OHM 5%
		R1464	0RJ0000D677	MCR03EZPJ000 0OHM 5%
		R147	0RJ6801D477	MCR03EZPF682 6.8KOHM
		R1470	0RJ4701D677	MCR03EZPJ472 4.7KOHM
		R1471	0RJ6801D677	MCR03EZPJ682 6.8KOHM
		R1472	0RJ4701D677	MCR03EZPJ472 4.7KOHM
		R1473	0RJ6801D677	MCR03EZPJ682 6.8KOHM
		R1474	0RJ0822D677	MCR03EZPJ820 82OHM 5
		R1475	0RJ4701D677	MCR03EZPJ472 4.7KOHM
		R1476	0RJ6801D677	MCR03EZPJ682 6.8KOHM
		R1477	0RJ0822D677	MCR03EZPJ820 82OHM 5
		R1478	0RJ0822D677	MCR03EZPJ820 82OHM 5
		R1479	0RJ2700D677	MCR03EZPJ271 270OHM
		R148	0RJ4701D677	MCR03EZPJ472 4.7KOHM
		R1480	0RJ2700D677	MCR03EZPJ271 270OHM
		R1481	0RJ2700D677	MCR03EZPJ271 270OHM
		R1482	0RJ0822D677	MCR03EZPJ820 82OHM 5
		R1483	0RJ0822D677	MCR03EZPJ820 82OHM 5
		R1484	0RJ0822D677	MCR03EZPJ820 82OHM 5
		R149	0RJ6801D477	MCR03EZPF682 6.8KOHM
		R15	0RJ0000D677	MCR03EZPJ000 0OHM 5%
		R150	0RJ0822D677	MCR03EZPJ820 82OHM 5
		R151	0RJ2700D677	MCR03EZPJ271 270OHM
		R152	0RJ2700D677	MCR03EZPJ271 270OHM
		R153	0RJ0752D677	MCR03EZPJ750 75OHM 5
		R154	0RJ0752D677	MCR03EZPJ750 75OHM 5
		R155	0RJ0752D677	MCR03EZPJ750 75OHM 5
		R156	0RJ2203D677	MCR03EZPJ224 220KOHM
		R157	0RJ2203D677	MCR03EZPJ224 220KOHM
		R158	0RJ0752D677	MCR03EZPJ750 75OHM 5
		R159	0RJ0752D677	MCR03EZPJ750 75OHM 5
		R16	0RJ0000D677	MCR03EZPJ000 0OHM 5%
		R160	0RJ0752D677	MCR03EZPJ750 75OHM 5
		R161	0RJ1001D677	MCR03EZPJ102 1KOHM 5
		R162	0RJ2203D677	MCR03EZPJ224 220KOHM
		R163	0RJ2203D677	MCR03EZPJ224 220KOHM
		R164	0RJ2203D677	MCR03EZPJ224 220KOHM
		R165	0RJ1001D677	MCR03EZPJ102 1KOHM 5
		R166	0RJ1001D677	MCR03EZPJ102 1KOHM 5
		R167	0RJ0822D677	MCR03EZPJ820 82OHM 5
		R168	0RJ2203D677	MCR03EZPJ224 220KOHM
		R169	0RJ1001D677	MCR03EZPJ102 1KOHM 5
		R17	0RJ0000D677	MCR03EZPJ000 0OHM 5%
		R170	0RJ0822D677	MCR03EZPJ820 82OHM 5
		R1700	0RJ0822D677	MCR03EZPJ820 82OHM 5
		R1701	0RJ0822D677	MCR03EZPJ820 82OHM 5
		R1707	0RJ0000D677	MCR03EZPJ000 0OHM 5%
		R1708	0RJ1001D677	MCR03EZPJ102 1KOHM 5
		R171	0RJ0000D677	MCR03EZPJ000 0OHM 5%
		R1712	0RJ4701D677	MCR03EZPJ472 4.7KOHM
		R172	0RJ1002D677	MCR03EZPJ103 10KOHM
		R174	0RJ0752D677	MCR03EZPJ750 75OHM 5
		R175	0RJ0822D677	MCR03EZPJ820 82OHM 5
		R176	0RJ0000D677	MCR03EZPJ000 0OHM 5%
		R177	0RJ0000D677	MCR03EZPJ000 0OHM 5%

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*S	*AL	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
		R178	0RJ2001D677	MCR03EZPJ202 2KOHM 5
		R179	0RJ2001D677	MCR03EZPJ202 2KOHM 5
		R18	0RJ0000D677	MCR03EZPJ000 0OHM 5%
		R180	0RJ0000D677	MCR03EZPJ000 0OHM 5%
		R181	0RJ6801D477	MCR03EZPF682 6.8KOHM
		R1817	0RJ0000D677	MCR03EZPJ000 0OHM 5%
		R1818	0RJ0000D677	MCR03EZPJ000 0OHM 5%
		R1819	0RJ0512D677	MCR03EZPJ510 51OHM 5
		R182	0RJ4701D677	MCR03EZPJ472 4.7KOHM
		R1821	0RJ0512D677	MCR03EZPJ510 51OHM 5
		R1822	0RJ0512D677	MCR03EZPJ510 51OHM 5
		R1823	0RJ0512D677	MCR03EZPJ510 51OHM 5
		R1824	0RJ0512D677	MCR03EZPJ510 51OHM 5
		R1825	0RJ0512D677	MCR03EZPJ510 51OHM 5
		R1826	0RJ0512D677	MCR03EZPJ510 51OHM 5
		R1827	0RJ0512D677	MCR03EZPJ510 51OHM 5
		R1828	0RJ0512D677	MCR03EZPJ510 51OHM 5
		R1829	0RJ0512D677	MCR03EZPJ510 51OHM 5
		R183	0RJ0822D677	MCR03EZPJ820 82OHM 5
		R1830	0RJ0512D677	MCR03EZPJ510 51OHM 5
		R1831	0RJ0512D677	MCR03EZPJ510 51OHM 5
		R184	0RJ2700D677	MCR03EZPJ271 270OHM
		R185	0RJ2700D677	MCR03EZPJ271 270OHM
		R1856	0RJ1002D677	MCR03EZPJ103 10KOHM
		R1857	0RJ1002D677	MCR03EZPJ103 10KOHM
		R186	0RJ0822D677	MCR03EZPJ820 82OHM 5
		R1862	0RJ1002D677	MCR03EZPJ103 10KOHM
		R1863	0RJ1002D677	MCR03EZPJ103 10KOHM
		R1864	0RJ1002D677	MCR03EZPJ103 10KOHM
		R1865	0RJ1002D677	MCR03EZPJ103 10KOHM
		R1866	0RJ1002D677	MCR03EZPJ103 10KOHM
		R1867	0RJ1002D677	MCR03EZPJ103 10KOHM
		R187	0RJ0822D677	MCR03EZPJ820 82OHM 5
		R1874	0RJ1002D677	MCR03EZPJ103 10KOHM
		R1875	0RJ1002D677	MCR03EZPJ103 10KOHM
		R1879	0RJ1002D677	MCR03EZPJ103 10KOHM
		R188	0RJ0822D677	MCR03EZPJ820 82OHM 5
		R1880	0RJ1002D677	MCR03EZPJ103 10KOHM
		R1881	0RJ0222D677	MCR03EZPJ220 22OHM 5
		R1882	0RJ0222D677	MCR03EZPJ220 22OHM 5
		R1883	0RJ0000D677	MCR03EZPJ000 0OHM 5%
		R189	0RJ1002D677	MCR03EZPJ103 10KOHM
		R1892	0RJ0102D677	MCR03EZPJ100 10OHM 5
		R1893	0RJ1002D677	MCR03EZPJ103 10KOHM
		R1894	0RJ1002D677	MCR03EZPJ103 10KOHM
		R19	0RJ0000D677	MCR03EZPJ000 0OHM 5%
		R190	0RJ0000D677	MCR03EZPJ000 0OHM 5%
		R1900	0RJ0000D677	MCR03EZPJ000 0OHM 5%
		R1906	0RJ2200D677	MCR03EZPJ221 220OHM
		R1907	0RJ1000D677	MCR03EZPJ101 100OHM
		R191	0RJ1001D677	MCR03EZPJ102 1KOHM 5
		R1911	0RJ1000D677	MCR03EZPJ101 100OHM
		R1912	0RJ1002D677	MCR03EZPJ103 10KOHM
		R1913	0RJ0000D677	MCR03EZPJ000 0OHM 5%
		R1914	0RJ1001D677	MCR03EZPJ102 1KOHM 5
		R1915	0RJ0222D677	MCR03EZPJ220 22OHM 5
		R1916	0RJ1001D677	MCR03EZPJ102 1KOHM 5
		R1917	0RJ4701D677	MCR03EZPJ472 4.7KOHM
		R192	0RJ0000D677	MCR03EZPJ000 0OHM 5%
		R1920	0RJ4701D677	MCR03EZPJ472 4.7KOHM
		R1921	0RJ4701D677	MCR03EZPJ472 4.7KOHM
		R1922	0RJ0000D677	MCR03EZPJ000 0OHM 5%
		R1924	0RJ0000D677	MCR03EZPJ000 0OHM 5%
		R1925	0RJ0000D677	MCR03EZPJ000 0OHM 5%
		R193	0RJ0000D677	MCR03EZPJ000 0OHM 5%
		R1936	0RJ1001D677	MCR03EZPJ102 1KOHM 5
		R1937	0RJ1001D677	MCR03EZPJ102 1KOHM 5
		R1938	0RJ1002D677	MCR03EZPJ103 10KOHM
		R1939	0RJ1002D677	MCR03EZPJ103 10KOHM
		R194	0RJ3001D677	MCR03EZPJ302 3KOHM 5
		R1941	0RJ0000D677	MCR03EZPJ000 0OHM 5%
		R195	0RJ2700D677	MCR03EZPJ271 270OHM
		R1950	0RJ0000G676	MCR18EZHJ000_ 0OHM 5
		R1951	0RJ0000G676	MCR18EZHJ000_ 0OHM 5

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*S	*AL	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
		R1957	0RJ0000D677	MCR03EZPJ000 0OHM 5%
		R196	0RJ0822D677	MCR03EZPJ820 82OHM 5
		R1961	0RJ0000D677	MCR03EZPJ000 0OHM 5%
		R1964	0RJ0222D677	MCR03EZPJ220 22OHM 5
		R1965	0RJ0222D677	MCR03EZPJ220 22OHM 5
		R1967	0RJ4701D677	MCR03EZPJ472 4.7KOHM
		R197	0RJ1001D677	MCR03EZPJ102 1KOHM 5
		R198	0RJ1001D677	MCR03EZPJ102 1KOHM 5
		R199	0RJ0822D677	MCR03EZPJ820 82OHM 5
		R2	0RJ0000D677	MCR03EZPJ000 0OHM 5%
		R20	0RJ0000D677	MCR03EZPJ000 0OHM 5%
		R200	0RJ0000D677	MCR03EZPJ000 0OHM 5%
		R202	0RJ1002D677	MCR03EZPJ103 10KOHM
		R203	0RJ0000D677	MCR03EZPJ000 0OHM 5%
		R204	0RJ0000D677	MCR03EZPJ000 0OHM 5%
		R205	0RJ0000D677	MCR03EZPJ000 0OHM 5%
		R206	0RJ2200D677	MCR03EZPJ221 220OHM
		R207	0RJ2200D677	MCR03EZPJ221 220OHM
		R208	0RJ1002D677	MCR03EZPJ103 10KOHM
		R209	0RJ0222D677	MCR03EZPJ220 22OHM 5
		R210	0RJ1001D677	MCR03EZPJ102 1KOHM 5
		R211	0RJ0000D677	MCR03EZPJ000 0OHM 5%
		R212	0RJ1002D677	MCR03EZPJ103 10KOHM
		R213	0RJ2201D677	MCR03EZPJ222 2.2KOHM
		R214	0RJ0102D677	MCR03EZPJ100 10OHM 5
		R216	0RJ2200D677	MCR03EZPJ221 220OHM
		R217	0RJ2200D677	MCR03EZPJ221 220OHM
		R218	0RJ4701D677	MCR03EZPJ472 4.7KOHM
		R219	0RJ4700D677	MCR03EZPJ471 470OHM
		R220	0RJ0822D677	MCR03EZPJ820 82OHM 5
		R221	0RJ0000D677	MCR03EZPJ000 0OHM 5%
		R222	0RJ1002D677	MCR03EZPJ103 10KOHM
		R223	0RJ1001D677	MCR03EZPJ102 1KOHM 5
		R224	0RJ1001D677	MCR03EZPJ102 1KOHM 5
		R225	0RJ0000D677	MCR03EZPJ000 0OHM 5%
		R226	0RJ1000D677	MCR03EZPJ101 100OHM
		R227	0RJ2700D677	MCR03EZPJ271 270OHM
		R228	0RJ2200D677	MCR03EZPJ221 220OHM
		R229	0RJ1001D677	MCR03EZPJ102 1KOHM 5
		R231	0RJ1800D677	MCR03EZPJ181 180OHM
		R232	0RJ5602D677	MCR03EZPJ563 56KOHM
		R233	0RJ2201D677	MCR03EZPJ222 2.2KOHM
		R234	0RJ1500D677	MCR03EZPJ151 150OHM
		R235	0RJ2000D677	MCR03EZPJ201 200OHM
		R236	0RJ1001D677	MCR03EZPJ102 1KOHM 5
		R237	0RJ4701D677	MCR03EZPJ472 4.7KOHM
		R238	0RJ4701D677	MCR03EZPJ472 4.7KOHM
		R239	0RJ1002D677	MCR03EZPJ103 10KOHM
		R240	0RJ4701D677	MCR03EZPJ472 4.7KOHM
		R241	0RJ4700D677	MCR03EZPJ471 470OHM
		R242	0RJ0822D677	MCR03EZPJ820 82OHM 5
		R243	0RJ2700D677	MCR03EZPJ271 270OHM
		R244	0RJ1002D677	MCR03EZPJ103 10KOHM
		R245	0RJ2201D477	MCR03EZPF222 2.2KOHM
		R3	0RJ0000D677	MCR03EZPJ000 0OHM 5%
		R300	0RJ1000D677	MCR03EZPJ101 100OHM
		R301	0RJ1000D677	MCR03EZPJ101 100OHM
		R302	0RJ0000D677	MCR03EZPJ000 0OHM 5%
		R303	0RJ0000D677	MCR03EZPJ000 0OHM 5%
		R304	0RJ0000D677	MCR03EZPJ000 0OHM 5%
		R305	0RJ1002D677	MCR03EZPJ103 10KOHM
		R306	0RJ1000D677	MCR03EZPJ101 100OHM
		R307	0RJ3300D677	MCR03EZPJ331 330OHM
		R308	0RJ0000D677	MCR03EZPJ000 0OHM 5%
		R309	0RJ0000D677	MCR03EZPJ000 0OHM 5%
		R310	0RJ1000D677	MCR03EZPJ101 100OHM
		R311	0RJ2200D677	MCR03EZPJ221 220OHM
		R312	0RJ2200D677	MCR03EZPJ221 220OHM
		R313	0RJ2200D677	MCR03EZPJ221 220OHM
		R314	0RJ2200D677	MCR03EZPJ221 220OHM
		R315	0RJ1000D677	MCR03EZPJ101 100OHM
		R316	0RJ1000D677	MCR03EZPJ101 100OHM
		R317	0RJ1001D677	MCR03EZPJ102 1KOHM 5
		R318	0RJ1001D677	MCR03EZPJ102 1KOHM 5

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*S	*AL	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
		R319	0RJ0000D677	MCR03EZPJ000 0OHM 5%
		R320	0RJ2200D677	MCR03EZPJ221 220OHM
		R321	0RJ2200D677	MCR03EZPJ221 220OHM
		R322	0RJ1000D677	MCR03EZPJ101 100OHM
		R323	0RJ0000D677	MCR03EZPJ000 0OHM 5%
		R324	0RJ1000D677	MCR03EZPJ101 100OHM
		R326	0RJ1000D677	MCR03EZPJ101 100OHM
		R327	0RJ0000D677	MCR03EZPJ000 0OHM 5%
		R328	0RJ2200D677	MCR03EZPJ221 220OHM
		R329	0RJ2200D677	MCR03EZPJ221 220OHM
		R330	0RJ1000D677	MCR03EZPJ101 100OHM
		R331	0RJ1201D677	MCR03EZPJ122 1.2KOHM
		R332	0RJ1201D677	MCR03EZPJ122 1.2KOHM
		R333	0RJ1000D677	MCR03EZPJ101 100OHM
		R334	0RJ1000D677	MCR03EZPJ101 100OHM
		R335	0RJ1003D677	MCR03EZPJ104 100KOHM
		R336	0RJ1000D677	MCR03EZPJ101 100OHM
		R337	0RJ1000D677	MCR03EZPJ101 100OHM
		R338	0RJ1201D677	MCR03EZPJ122 1.2KOHM
		R339	0RJ1000D677	MCR03EZPJ101 100OHM
		R340	0RJ1201D677	MCR03EZPJ122 1.2KOHM
		R341	0RJ1000D677	MCR03EZPJ101 100OHM
		R342	0RJ1001D677	MCR03EZPJ102 1KOHM 5
		R343	0RJ1001D677	MCR03EZPJ102 1KOHM 5
		R344	0RJ1201D677	MCR03EZPJ122 1.2KOHM
		R345	0RJ1201D677	MCR03EZPJ122 1.2KOHM
		R346	0RJ1000D677	MCR03EZPJ101 100OHM
		R347	0RJ1201D677	MCR03EZPJ122 1.2KOHM
		R348	0RJ1201D677	MCR03EZPJ122 1.2KOHM
		R349	0RJ1000D677	MCR03EZPJ101 100OHM
		R350	0RJ1000D677	MCR03EZPJ101 100OHM
		R351	0RJ1000D677	MCR03EZPJ101 100OHM
		R352	0RJ1000D677	MCR03EZPJ101 100OHM
		R353	0RJ1000D677	MCR03EZPJ101 100OHM
		R354	0RJ1000D677	MCR03EZPJ101 100OHM
		R355	0RJ0000D677	MCR03EZPJ000 0OHM 5%
		R356	0RJ2200D677	MCR03EZPJ221 220OHM
		R357	0RJ1500D677	MCR03EZPJ151 150OHM
		R358	0RJ2200D677	MCR03EZPJ221 220OHM
		R359	0RJ1800D677	MCR03EZPJ181 180OHM
		R360	0RJ1201D677	MCR03EZPJ122 1.2KOHM
		R361	0RJ1201D677	MCR03EZPJ122 1.2KOHM
		R364	0RJ1000D677	MCR03EZPJ101 100OHM
		R367	0RJ1000D677	MCR03EZPJ101 100OHM
		R368	0RJ2200D677	MCR03EZPJ221 220OHM
		R369	0RJ2200D677	MCR03EZPJ221 220OHM
		R370	0RJ0472D677	MCR03EZPJ470 470OHM 5
		R371	0RJ5600D677	MCR03EZPJ561 560OHM
		R372	0RJ0000D677	MCR03EZPJ000 0OHM 5%
		R373	0RJ3901D677	MCR03EZPJ392 3.9KOHM
		R374	0RJ3303D677	MCR03EZPJ334 330KOHM
		R375	0RJ1000D677	MCR03EZPJ101 100OHM
		R376	0RJ1000D677	MCR03EZPJ101 100OHM
		R377	0RJ0752D677	MCR03EZPJ750 750OHM 5
		R378	0RJ0752D677	MCR03EZPJ750 750OHM 5
		R379	0RJ4703D677	MCR03EZPJ474 470KOHM
		R380	0RJ1001D677	MCR03EZPJ102 1KOHM 5
		R381	0RJ1001D677	MCR03EZPJ102 1KOHM 5
		R382	0RJ4703D677	MCR03EZPJ474 470KOHM
		R383	0RJ0752D677	MCR03EZPJ750 750OHM 5
		R389	0RJ1003D677	MCR03EZPJ104 100KOHM
		R390	0RJ1000D677	MCR03EZPJ101 100OHM
		R391	0RJ0000D677	MCR03EZPJ000 0OHM 5%
		R392	0RJ0000D677	MCR03EZPJ000 0OHM 5%
		R4	0RJ0000D677	MCR03EZPJ000 0OHM 5%
		R400	0RJ6202D677	MCR03EZPJ623 62KOHM
		R401	0RJ2402D677	MCR03EZPJ243 24KOHM
		R402	0RJ6202D677	MCR03EZPJ623 62KOHM
		R403	0RJ2402D677	MCR03EZPJ243 24KOHM
		R404	0RJ1501D677	MCR03EZPJ152 1.5KOHM
		R405	0RJ4700D677	MCR03EZPJ471 470OHM
		R407	0RJ0432D677	MCR03EZPJ430 430OHM 5
		R408	0RJ4701D677	MCR03EZPJ472 4.7KOHM
		R409	0RJ4701D677	MCR03EZPJ472 4.7KOHM

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*S	*AL	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
		R410	0RJ1501D677	MCR03EZPJ152 1.5KOHM
		R411	0RJ4700D677	MCR03EZPJ471 470OHM
		R412	0RJ0432D677	MCR03EZPJ430 430OHM 5
		R413	0RJ0432D677	MCR03EZPJ430 430OHM 5
		R414	0RJ1000D677	MCR03EZPJ101 100OHM
		R415	0RJ1000D677	MCR03EZPJ101 100OHM
		R416	0RJ0432D677	MCR03EZPJ430 430OHM 5
		R418	0RJ1000D677	MCR03EZPJ101 100OHM
		R419	0RJ1000D677	MCR03EZPJ101 100OHM
		R420	0RJ1000D677	MCR03EZPJ101 100OHM
		R421	0RJ1000D677	MCR03EZPJ101 100OHM
		R422	0RJ0000D677	MCR03EZPJ000 0OHM 5%
		R423	0RJ1000D677	MCR03EZPJ101 100OHM
		R424	0RJ1000D677	MCR03EZPJ101 100OHM
		R425	0RJ1001D677	MCR03EZPJ102 1KOHM 5
		R426	0RJ0222D677	MCR03EZPJ220 220OHM 5
		R427	0RJ0222D677	MCR03EZPJ220 220OHM 5
		R428	0RJ1001D677	MCR03EZPJ102 1KOHM 5
		R429	0RJ0222D677	MCR03EZPJ220 220OHM 5
		R430	0RJ0000D677	MCR03EZPJ000 0OHM 5%
		R431	0RJ4701D677	MCR03EZPJ472 4.7KOHM
		R432	0RJ4701D677	MCR03EZPJ472 4.7KOHM
		R433	0RJ4703D677	MCR03EZPJ474 470KOHM
		R434	0RJ4703D677	MCR03EZPJ474 470KOHM
		R435	0RJ1501D677	MCR03EZPJ152 1.5KOHM
		R436	0RJ1501D677	MCR03EZPJ152 1.5KOHM
		R437	0RJ1000D677	MCR03EZPJ101 100OHM
		R438	0RJ1000D677	MCR03EZPJ101 100OHM
		R439	0RJ3901D677	MCR03EZPJ392 3.9KOHM
		R442	0RJ1001D677	MCR03EZPJ102 1KOHM 5
		R443	0RJ1001D677	MCR03EZPJ102 1KOHM 5
		R449	0RJ4701D677	MCR03EZPJ472 4.7KOHM
		R455	0RJ4701D677	MCR03EZPJ472 4.7KOHM
		R456	0RJ0000D677	MCR03EZPJ000 0OHM 5%
		R457	0RJ0000D677	MCR03EZPJ000 0OHM 5%
		R458	0RJ2001D677	MCR03EZPJ202 2KOHM 5
		R459	0RJ2001D677	MCR03EZPJ202 2KOHM 5
		R460	0RJ4703D677	MCR03EZPJ474 470KOHM
		R461	0RJ4703D677	MCR03EZPJ474 470KOHM
		R471	0RJ1501D677	MCR03EZPJ152 1.5KOHM
		R472	0RJ1501D677	MCR03EZPJ152 1.5KOHM
		R473	0RJ0000D677	MCR03EZPJ000 0OHM 5%
		R479	0RJ2001D677	MCR03EZPJ202 2KOHM 5
		R480	0RJ0000D677	MCR03EZPJ000 0OHM 5%
		R481	0RJ0000D677	MCR03EZPJ000 0OHM 5%
		R483	0RJ0000D677	MCR03EZPJ000 0OHM 5%
		R484	0RJ2001D677	MCR03EZPJ202 2KOHM 5
		R489	0RJ0000D677	MCR03EZPJ000 0OHM 5%
		R495	0RJ1001D677	MCR03EZPJ102 1KOHM 5
		R496	0RJ1001D677	MCR03EZPJ102 1KOHM 5
		R497	0RJ4701D677	MCR03EZPJ472 4.7KOHM
		R498	0RJ4701D677	MCR03EZPJ472 4.7KOHM
		R5	0RJ0000D677	MCR03EZPJ000 0OHM 5%
		R500	0RJ0752D677	MCR03EZPJ750 750OHM 5
		R501	0RJ2203D677	MCR03EZPJ224 220KOHM
		R502	0RJ0752D677	MCR03EZPJ750 750OHM 5
		R503	0RJ2203D677	MCR03EZPJ224 220KOHM
		R504	0RJ0752D677	MCR03EZPJ750 750OHM 5
		R505	0RJ1001D677	MCR03EZPJ102 1KOHM 5
		R506	0RJ1001D677	MCR03EZPJ102 1KOHM 5
		R508	0RJ4701D677	MCR03EZPJ472 4.7KOHM
		R509	0RJ4701D677	MCR03EZPJ472 4.7KOHM
		R510	0RJ0000D677	MCR03EZPJ000 0OHM 5%
		R511	0RJ0332D677	MCR03EZPJ330 330OHM 5
		R512	0RJ0000D677	MCR03EZPJ000 0OHM 5%
		R513	0RJ0000D677	MCR03EZPJ000 0OHM 5%
		R514	0RJ0000D677	MCR03EZPJ000 0OHM 5%
		R515	0RJ0000D677	MCR03EZPJ000 0OHM 5%
		R516	0RJ0332D677	MCR03EZPJ330 330OHM 5
		R519	0RJ0000D677	MCR03EZPJ000 0OHM 5%
		R520	0RJ0000D677	MCR03EZPJ000 0OHM 5%
		R521	0RJ0000D677	MCR03EZPJ000 0OHM 5%
		R524	0RJ1001D677	MCR03EZPJ102 1KOHM 5
		R525	0RJ1000D677	MCR03EZPJ101 100OHM

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*S	*AL	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
		R526	0RJ1000D677	MCR03EZPJ101 100OHM
		R528	0RJ1002D677	MCR03EZPJ103 10KOHM
		R529	0RJ1002D677	MCR03EZPJ103 10KOHM
		R556	0RJ0000D677	MCR03EZPJ000 0OHM 5%
		R557	0RJ0000D677	MCR03EZPJ000 0OHM 5%
		R558	0RJ0000D677	MCR03EZPJ000 0OHM 5%
		R559	0RJ0000D677	MCR03EZPJ000 0OHM 5%
		R563	0RJ2203D677	MCR03EZPJ224 220KOHM
		R564	0RJ2203D677	MCR03EZPJ224 220KOHM
		R567	0RJ0000D677	MCR03EZPJ000 0OHM 5%
		R568	0RJ0000D677	MCR03EZPJ000 0OHM 5%
		R569	0RJ0000D677	MCR03EZPJ000 0OHM 5%
		R570	0RJ0000D677	MCR03EZPJ000 0OHM 5%
		R571	0RJ0000D677	MCR03EZPJ000 0OHM 5%
		R572	0RJ0000D677	MCR03EZPJ000 0OHM 5%
		R573	0RJ0000D677	MCR03EZPJ000 0OHM 5%
		R574	0RJ0000D677	MCR03EZPJ000 0OHM 5%
		R575	0RJ0000D677	MCR03EZPJ000 0OHM 5%
		R576	0RJ0000D677	MCR03EZPJ000 0OHM 5%
		R577	0RJ0000D677	MCR03EZPJ000 0OHM 5%
		R578	0RJ0000D677	MCR03EZPJ000 0OHM 5%
		R579	0RJ0000D677	MCR03EZPJ000 0OHM 5%
		R580	0RJ0000D677	MCR03EZPJ000 0OHM 5%
		R581	0RJ0000D677	MCR03EZPJ000 0OHM 5%
		R582	0RJ0000D677	MCR03EZPJ000 0OHM 5%
		R584	0RJ0000D677	MCR03EZPJ000 0OHM 5%
		R585	0RJ0000D677	MCR03EZPJ000 0OHM 5%
		R6	0RJ0000D677	MCR03EZPJ000 0OHM 5%
		R600	0RJ1000D677	MCR03EZPJ101 100OHM
		R601	0RJ4701D677	MCR03EZPJ472 4.7KOHM
		R602	0RJ3301D677	MCR03EZPJ332 3.3KOHM
		R603	0RJ1000D677	MCR03EZPJ101 100OHM
		R604	0RJ4700D677	MCR03EZPJ471 470OHM
		R605	0RJ0000D677	MCR03EZPJ000 0OHM 5%
		R606	0RJ1000D677	MCR03EZPJ101 100OHM
		R607	0RJ1000D677	MCR03EZPJ101 100OHM
		R608	0RJ1000D677	MCR03EZPJ101 100OHM
		R609	0RJ1000D677	MCR03EZPJ101 100OHM
		R610	0RJ1000D677	MCR03EZPJ101 100OHM
		R611	0RJ1000D677	MCR03EZPJ101 100OHM
		R614	0RJ1000D677	MCR03EZPJ101 100OHM
		R615	0RJ1000D677	MCR03EZPJ101 100OHM
		R619	0RJ1002D677	MCR03EZPJ103 10KOHM
		R629	0RJ1000D677	MCR03EZPJ101 100OHM
		R630	0RJ1000D677	MCR03EZPJ101 100OHM
		R631	0RJ1000D677	MCR03EZPJ101 100OHM
		R632	0RJ1000D677	MCR03EZPJ101 100OHM
		R633	0RJ1000D677	MCR03EZPJ101 100OHM
		R634	0RJ0000D677	MCR03EZPJ000 0OHM 5%
		R635	0RJ1000D677	MCR03EZPJ101 100OHM
		R636	0RJ1000D677	MCR03EZPJ101 100OHM
		R637	0RJ3301D677	MCR03EZPJ332 3.3KOHM
		R639	0RJ4701D677	MCR03EZPJ472 4.7KOHM
		R7	0RJ0000D677	MCR03EZPJ000 0OHM 5%
		R703	0RJ1002D677	MCR03EZPJ103 10KOHM
		R704	0RJ1002D677	MCR03EZPJ103 10KOHM
		R710	0RJ0000D677	MCR03EZPJ000 0OHM 5%
		R711	0RJ0000D677	MCR03EZPJ000 0OHM 5%
		R712	0RJ1002D677	MCR03EZPJ103 10KOHM
		R713	0RJ1000D677	MCR03EZPJ101 100OHM
		R714	0RJ1000D677	MCR03EZPJ101 100OHM
		R715	0RJ0000D677	MCR03EZPJ000 0OHM 5%
		R719	0RJ0000D677	MCR03EZPJ000 0OHM 5%
		R720	0RJ1002D677	MCR03EZPJ103 10KOHM
		R721	0RJ1002D677	MCR03EZPJ103 10KOHM
		R722	0RJ1002D677	MCR03EZPJ103 10KOHM
		R723	0RJ1002D677	MCR03EZPJ103 10KOHM
		R724	0RJ1002D677	MCR03EZPJ103 10KOHM
		R725	0RJ1002D677	MCR03EZPJ103 10KOHM
		R726	0RJ1002D677	MCR03EZPJ103 10KOHM
		R727	0RJ1002D677	MCR03EZPJ103 10KOHM
		R729	0RJ0562D677	MCR03EZPJ560 56OHM 5
		R730	0RJ1002D677	MCR03EZPJ103 10KOHM
		R731	0RH0202D622	MCR10EZHJ200 20OHM 5

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*S	*AL	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
		R732	0RH0202D622	MCR10EZHJ200 20OHM 5
		R733	0RH0202D622	MCR10EZHJ200 20OHM 5
		R734	0RJ0562D677	MCR03EZPJ560 56OHM 5
		R735	0RH0202D622	MCR10EZHJ200 20OHM 5
		R736	0RH0202D622	MCR10EZHJ200 20OHM 5
		R737	0RH0202D622	MCR10EZHJ200 20OHM 5
		R738	0RH0202D622	MCR10EZHJ200 20OHM 5
		R739	0RJ0562D677	MCR03EZPJ560 56OHM 5
		R740	0RH0202D622	MCR10EZHJ200 20OHM 5
		R741	0RH0202D622	MCR10EZHJ200 20OHM 5
		R742	0RH0202D622	MCR10EZHJ200 20OHM 5
		R744	0RJ0562D677	MCR03EZPJ560 56OHM 5
		R745	0RH0202D622	MCR10EZHJ200 20OHM 5
		R746	0RJ0000D677	MCR03EZPJ000 0OHM 5%
		R747	0RH0202D622	MCR10EZHJ200 20OHM 5
		R748	0RJ0000D677	MCR03EZPJ000 0OHM 5%
		R749	0RJ0000D677	MCR03EZPJ000 0OHM 5%
		R750	0RH0202D622	MCR10EZHJ200 20OHM 5
		R751	0RJ0222D677	MCR03EZPJ220 22OHM 5
		R752	0RJ0222D677	MCR03EZPJ220 22OHM 5
		R754	0RJ0222D677	MCR03EZPJ220 22OHM 5
		R755	0RJ0222D677	MCR03EZPJ220 22OHM 5
		R756	0RJ0222D677	MCR03EZPJ220 22OHM 5
		R762	0RJ0000D677	MCR03EZPJ000 0OHM 5%
		R765	0RJ0000D677	MCR03EZPJ000 0OHM 5%
		R776	0RJ0000D677	MCR03EZPJ000 0OHM 5%
		R777	0RJ0000D677	MCR03EZPJ000 0OHM 5%
		R778	0RJ0000D677	MCR03EZPJ000 0OHM 5%
		R779	0RJ0000D677	MCR03EZPJ000 0OHM 5%
		R780	0RJ2701D677	MCR03EZPJ272 2.7KOHM
		R781	0RJ2701D677	MCR03EZPJ272 2.7KOHM
		R782	0RJ0222D677	MCR03EZPJ220 22OHM 5
		R783	0RJ0222D677	MCR03EZPJ220 22OHM 5
		R784	0RJ1000D677	MCR03EZPJ101 100OHM
		R785	0RJ1000D677	MCR03EZPJ101 100OHM
		R786	0RJ4701D677	MCR03EZPJ472 4.7KOHM
		R787	0RJ4701D677	MCR03EZPJ472 4.7KOHM
		R8	0RJ0000D677	MCR03EZPJ000 0OHM 5%
		R800	0RJ0000D677	MCR03EZPJ000 0OHM 5%
		R801	0RJ1002D677	MCR03EZPJ103 10KOHM
		R802	0RJ1002D677	MCR03EZPJ103 10KOHM
		R803	0RJ1002D677	MCR03EZPJ103 10KOHM
		R804	0RJ1002D677	MCR03EZPJ103 10KOHM
		R813	0RJ2701D677	MCR03EZPJ272 2.7KOHM
		R814	0RJ0000D677	MCR03EZPJ000 0OHM 5%
		R815	0RJ2701D677	MCR03EZPJ272 2.7KOHM
		R817	0RH0202D622	MCR10EZHJ200 20OHM 5
		R818	0RH0202D622	MCR10EZHJ200 20OHM 5
		R819	0RH0202D622	MCR10EZHJ200 20OHM 5
		R820	0RH0202D622	MCR10EZHJ200 20OHM 5
		R821	0RJ0562D677	MCR03EZPJ560 56OHM 5
		R822	0RH0202D622	MCR10EZHJ200 20OHM 5
		R823	0RH0202D622	MCR10EZHJ200 20OHM 5
		R824	0RH0202D622	MCR10EZHJ200 20OHM 5
		R825	0RH0202D622	MCR10EZHJ200 20OHM 5
		R826	0RJ0562D677	MCR03EZPJ560 56OHM 5
		R827	0RH0202D622	MCR10EZHJ200 20OHM 5
		R828	0RH0202D622	MCR10EZHJ200 20OHM 5
		R829	0RH0202D622	MCR10EZHJ200 20OHM 5
		R830	0RH0202D622	MCR10EZHJ200 20OHM 5
		R831	0RJ0562D677	MCR03EZPJ560 56OHM 5
		R832	0RJ0000D677	MCR03EZPJ000 0OHM 5%
		R835	0RH0202D622	MCR10EZHJ200 20OHM 5
		R836	0RJ0562D677	MCR03EZPJ560 56OHM 5
		R837	0RJ0000D677	MCR03EZPJ000 0OHM 5%
		R845	0RJ4701D677	MCR03EZPJ472 4.7KOHM
		R846	0RJ4701D677	MCR03EZPJ472 4.7KOHM
		R847	0RJ1002D677	MCR03EZPJ103 10KOHM
		R848	0RJ1002D677	MCR03EZPJ103 10KOHM
		R849	0RJ0222D677	MCR03EZPJ220 22OHM 5
		R850	0RJ0222D677	MCR03EZPJ220 22OHM 5
		R853	0RJ0222D677	MCR03EZPJ220 22OHM 5
		R854	0RJ0222D677	MCR03EZPJ220 22OHM 5
		R855	0RJ0222D677	MCR03EZPJ220 22OHM 5

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*S	*AL	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
		R856	0RJ0222D677	MCR03EZPJ220 22OHM 5
		R857	0RJ0222D677	MCR03EZPJ220 22OHM 5
		R858	0RJ0222D677	MCR03EZPJ220 22OHM 5
		R862	0RJ0000D677	MCR03EZPJ000 0OHM 5%
		R886	0RJ0222D677	MCR03EZPJ220 22OHM 5
		R887	0RJ0222D677	MCR03EZPJ220 22OHM 5
		R888	0RJ0222D677	MCR03EZPJ220 22OHM 5
		R889	0RJ0222D677	MCR03EZPJ220 22OHM 5
		R890	0RJ0000D677	MCR03EZPJ000 0OHM 5%
		R891	0RJ0000D677	MCR03EZPJ000 0OHM 5%
		R897	0RJ0222D677	MCR03EZPJ220 22OHM 5
		R898	0RJ0222D677	MCR03EZPJ220 22OHM 5
		R9	0RJ0000D677	MCR03EZPJ000 0OHM 5%
		R915	0RJ1002D677	MCR03EZPJ103 10KOHM
		R917	0RJ1002D677	MCR03EZPJ103 10KOHM
		R919	0RJ0222D677	MCR03EZPJ220 22OHM 5
		R920	0RJ0000D677	MCR03EZPJ000 0OHM 5%
		R921	0RJ0000D677	MCR03EZPJ000 0OHM 5%
		R922	0RJ0000D677	MCR03EZPJ000 0OHM 5%
		R924	0RJ0000D677	MCR03EZPJ000 0OHM 5%
		R925	0RJ0000D677	MCR03EZPJ000 0OHM 5%
		R926	0RJ0222D677	MCR03EZPJ220 22OHM 5
		R927	0RJ0222D677	MCR03EZPJ220 22OHM 5
		R929	0RJ0000D677	MCR03EZPJ000 0OHM 5%
		R930	0RJ0000D677	MCR03EZPJ000 0OHM 5%
		R931	0RJ0000D677	MCR03EZPJ000 0OHM 5%
		R932	0RJ0000D677	MCR03EZPJ000 0OHM 5%
		R934	0RJ1002D677	MCR03EZPJ103 10KOHM
		R935	0RJ1002D677	MCR03EZPJ103 10KOHM
		R936	0RJ2700D677	MCR03EZPJ271 270OHM
		R937	0RJ2700D677	MCR03EZPJ271 270OHM
OTHERs				
		D1003	0DL233309AC	SAM2333 RED/Y-GREEN
		D1103	0DL233309AC	SAM2333 RED/Y-GREEN
		D1111	0DL233309AC	SAM2333 RED/Y-GREEN
		D1112	0DL233309AC	SAM2333 RED/Y-GREEN
		D1113	0DL233309AC	SAM2333 RED/Y-GREEN
		X300	166-E02F	CSBLA500KECZF09-B0 5
		IC603	0IPRPN5054A	LM75CIMX-3 3TO5.5V S
		SW700	EBF32593901	TMUE312GAB 1C1P 12VD
		SW800	EBF32593901	TMUE312GAB 1C1P 12VD
		TU206	6700MF0012A	TAUM-W101P NTSC M/N_
		TU207	6700MF0012C	TAFM-W103P NTSC M/N_
MAIN BOARD 2				
		BC1	0CK104CK56A	0603B104K500CT 100nF
		BC10	0CK104CK56A	0603B104K500CT 100nF
		BC100	0CK104CK56A	0603B104K500CT 100nF
		BC101	0CK104CK56A	0603B104K500CT 100nF
		BC102	0CK104CK56A	0603B104K500CT 100nF
		BC103	0CK104CK56A	0603B104K500CT 100nF
		BC104	0CK104CK56A	0603B104K500CT 100nF
		BC105	0CK104CK56A	0603B104K500CT 100nF
		BC106	0CK104CK56A	0603B104K500CT 100nF
		BC107	0CK104CK56A	0603B104K500CT 100nF
		BC108	0CK104CK56A	0603B104K500CT 100nF
		BC109	0CK104CK56A	0603B104K500CT 100nF
		BC11	0CK104CK56A	0603B104K500CT 100nF
		BC110	0CK104CK56A	0603B104K500CT 100nF
		BC111	0CK104CK56A	0603B104K500CT 100nF
		BC112	0CK104CK56A	0603B104K500CT 100nF
		BC113	0CK104CK56A	0603B104K500CT 100nF
		BC114	0CK104CK56A	0603B104K500CT 100nF
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		BC116	0CK104CK56A	0603B104K500CT 100nF
		BC117	0CK104CK56A	0603B104K500CT 100nF
		BC118	0CK104CK56A	0603B104K500CT 100nF
		BC119	0CK104CK56A	0603B104K500CT 100nF
		BC12	0CK104CK56A	0603B104K500CT 100nF
		BC120	0CK104CK56A	0603B104K500CT 100nF
		BC121	0CK104CK56A	0603B104K500CT 100nF

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*S	*AL	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
		BC122	0CK104CK56A	0603B104K500CT 100nF
		BC123	0CK104CK56A	0603B104K500CT 100nF
		BC124	0CK104CK56A	0603B104K500CT 100nF
		BC125	0CK104CK56A	0603B104K500CT 100nF
		BC126	0CK104CK56A	0603B104K500CT 100nF
		BC127	0CK104CK56A	0603B104K500CT 100nF
		BC128	0CK104CK56A	0603B104K500CT 100nF
		BC129	0CK104CK56A	0603B104K500CT 100nF
		BC13	0CK104CK56A	0603B104K500CT 100nF
		BC130	0CK104CK56A	0603B104K500CT 100nF
		BC131	0CK104CK56A	0603B104K500CT 100nF
		BC132	0CK104CK56A	0603B104K500CT 100nF
		BC133	0CK104CK56A	0603B104K500CT 100nF
		BC134	0CK104CK56A	0603B104K500CT 100nF
		BC135	0CK104CK56A	0603B104K500CT 100nF
		BC136	0CK104CK56A	0603B104K500CT 100nF
		BC137	0CK104CK56A	0603B104K500CT 100nF
		BC138	0CK104CK56A	0603B104K500CT 100nF
		BC139	0CK104CK56A	0603B104K500CT 100nF
		BC14	0CK104CK56A	0603B104K500CT 100nF
		BC140	0CK104CK56A	0603B104K500CT 100nF
		BC141	0CK104CK56A	0603B104K500CT 100nF
		BC142	0CK104CK56A	0603B104K500CT 100nF
		BC15	0CK104CK56A	0603B104K500CT 100nF
		BC16	0CK104CK56A	0603B104K500CT 100nF
		BC17	0CK104CK56A	0603B104K500CT 100nF
		BC18	0CK104CK56A	0603B104K500CT 100nF
		BC19	0CK104CK56A	0603B104K500CT 100nF
		BC2	0CK104CK56A	0603B104K500CT 100nF
		BC20	0CK104CK56A	0603B104K500CT 100nF
		BC21	0CK104CK56A	0603B104K500CT 100nF
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		BC58	0CK104CK56A	0603B104K500CT 100nF
		BC59	0CK104CK56A	0603B104K500CT 100nF
		BC6	0CK104CK56A	0603B104K500CT 100nF
		BC60	0CK104CK56A	0603B104K500CT 100nF

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*S	*AL	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
		BC61	0CK104CK56A	0603B104K500CT 100nF
		BC62	0CK104CK56A	0603B104K500CT 100nF
		BC63	0CK104CK56A	0603B104K500CT 100nF
		BC64	0CK104CK56A	0603B104K500CT 100nF
		BC65	0CK104CK56A	0603B104K500CT 100nF
		BC66	0CK104CK56A	0603B104K500CT 100nF
		BC67	0CK104CK56A	0603B104K500CT 100nF
		BC68	0CK104CK56A	0603B104K500CT 100nF
		BC69	0CK104CK56A	0603B104K500CT 100nF
		BC7	0CK104CK56A	0603B104K500CT 100nF
		BC70	0CK104CK56A	0603B104K500CT 100nF
		BC71	0CK104CK56A	0603B104K500CT 100nF
		BC72	0CK104CK56A	0603B104K500CT 100nF
		BC73	0CK104CK56A	0603B104K500CT 100nF
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		BC75	0CK104CK56A	0603B104K500CT 100nF
		BC76	0CK104CK56A	0603B104K500CT 100nF
		BC77	0CK104CK56A	0603B104K500CT 100nF
		BC78	0CK104CK56A	0603B104K500CT 100nF
		BC79	0CK104CK56A	0603B104K500CT 100nF
		BC8	0CK104CK56A	0603B104K500CT 100nF
		BC80	0CK104CK56A	0603B104K500CT 100nF
		BC81	0CK104CK56A	0603B104K500CT 100nF
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		BC99	0CK104CK56A	0603B104K500CT 100nF
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		C11	0CK104CK56A	0603B104K500CT 100nF
		C12	0CK104CK56A	0603B104K500CT 100nF
		C31	0CK104CK56A	0603B104K500CT 100nF
		C32	0CK104CK56A	0603B104K500CT 100nF
		C33	0CK104CK56A	0603B104K500CT 100nF
		C34	0CK104CK56A	0603B104K500CT 100nF
		C35	0CK104CK56A	0603B104K500CT 100nF
		C36	0CK104CK56A	0603B104K500CT 100nF
		C37	0CK104CK56A	0603B104K500CT 100nF
		C38	0CK104CK56A	0603B104K500CT 100nF
		C39	0CK104CK56A	0603B104K500CT 100nF
		C40	0CK104CK56A	0603B104K500CT 100nF
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		C45	0CC180CK41A	C1608C0G1H180JT 18pF
		C46	0CC180CK41A	C1608C0G1H180JT 18pF
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		C48	0CK104CK56A	0603B104K500CT 100nF
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		C52	0CK104CK56A	0603B104K500CT 100nF
		C53	0CK104CK56A	0603B104K500CT 100nF
		C54	0CK104CK56A	0603B104K500CT 100nF
		C55	0CK104CK56A	0603B104K500CT 100nF
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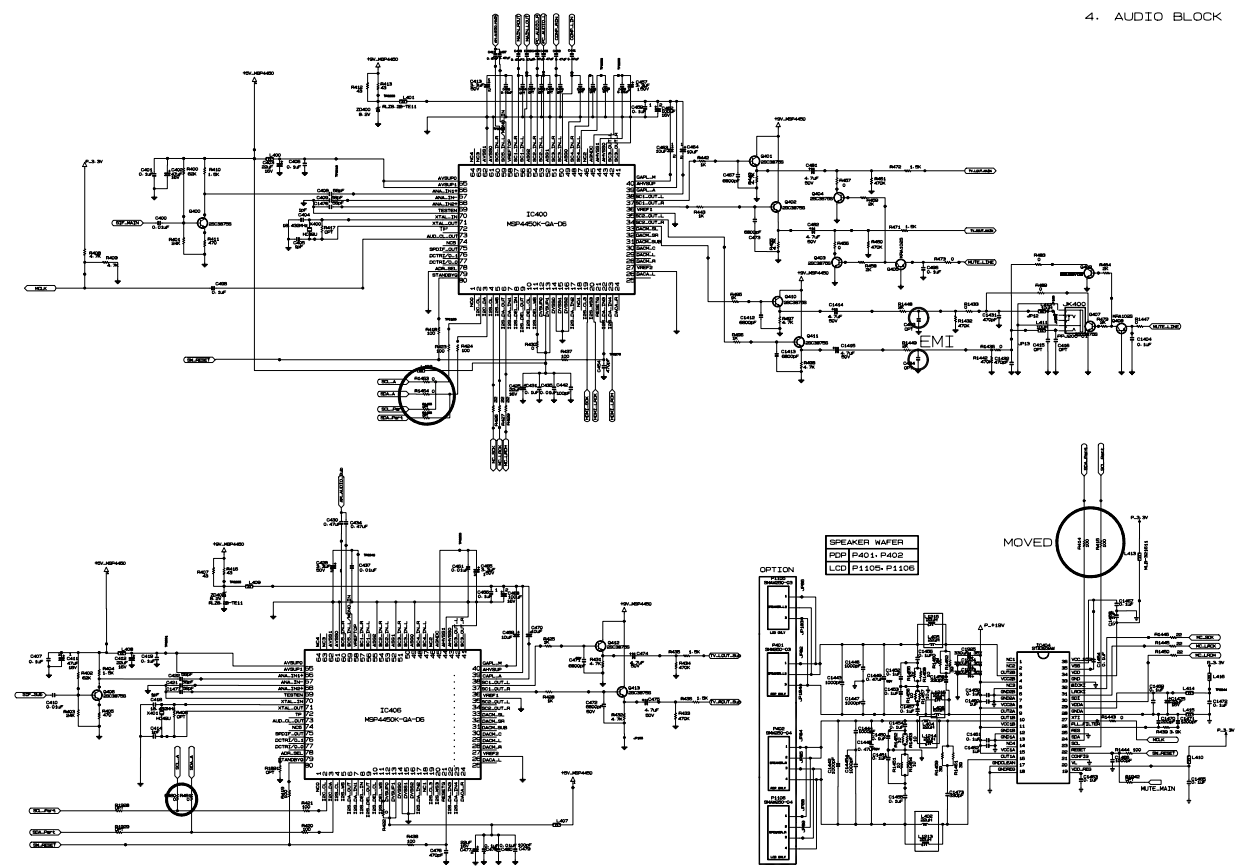
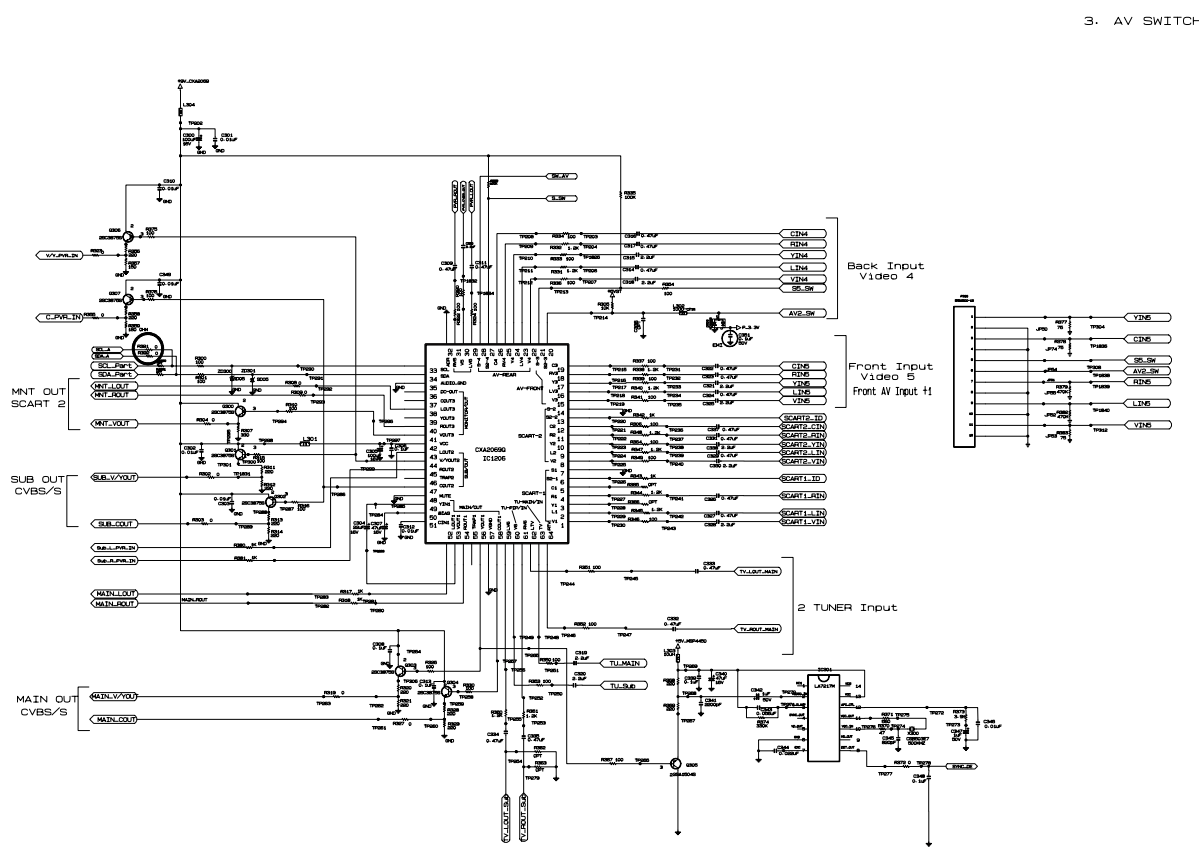
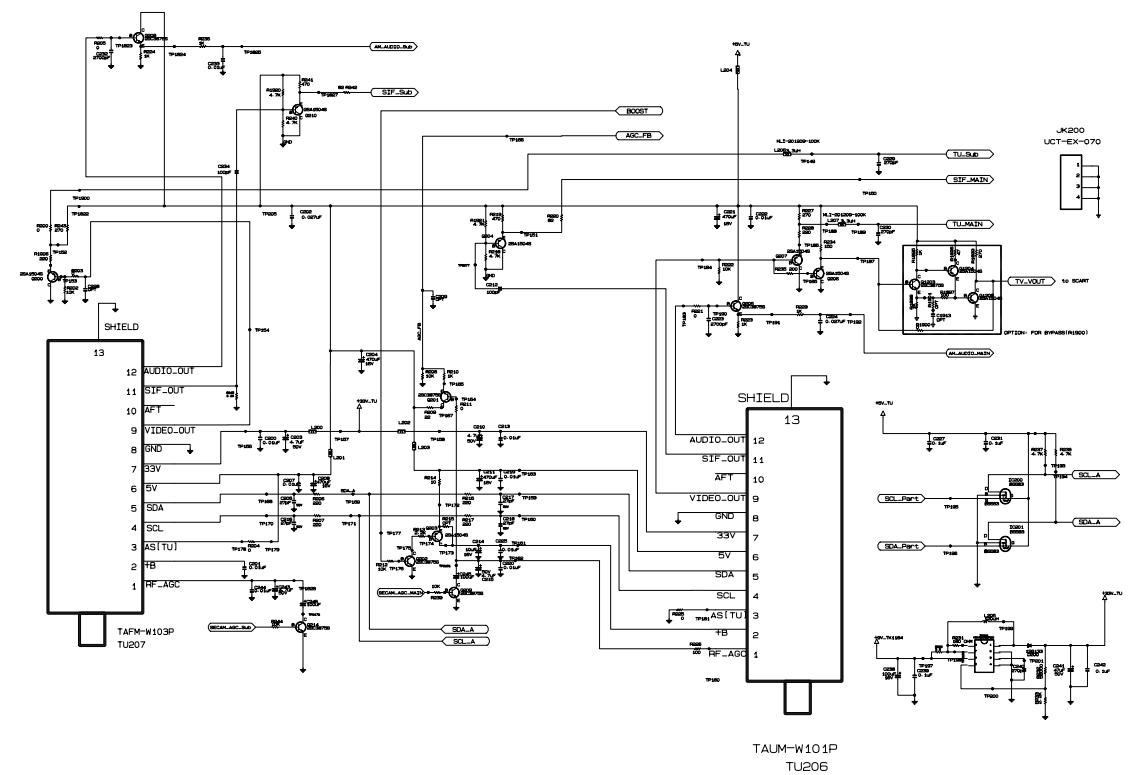
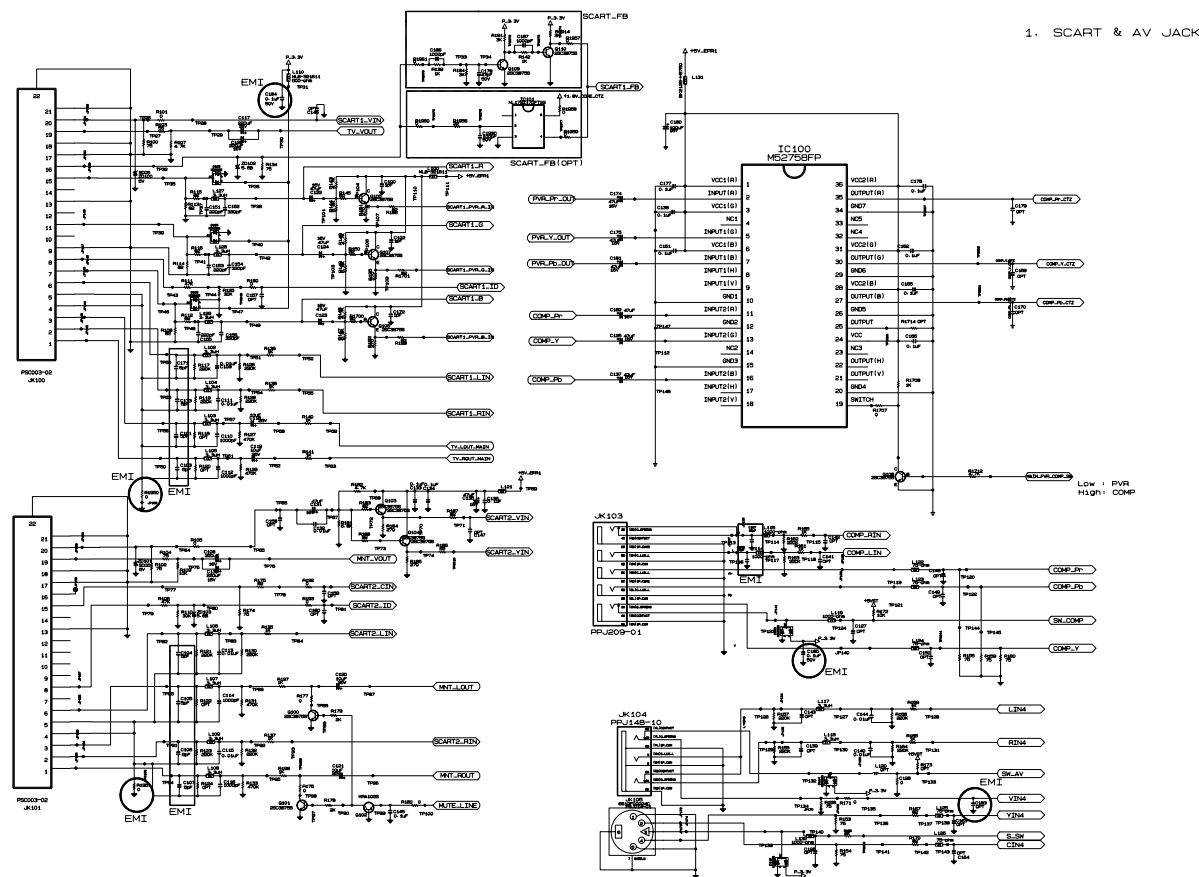
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		C66	0CC271CK41A	C1608C0G1H271JT 270p
		C67	0CK104CK56A	0603B104K500CT 100nF
		C68	0CC470CK41A	C1608C0G1H470JT 47pF
		C69	0CC470CK41A	C1608C0G1H470JT 47pF
		C70	0CC470CK41A	C1608C0G1H470JT 47pF
		C71	0CC470CK41A	C1608C0G1H470JT 47pF
		C9	0CK104CK56A	0603B104K500CT 100nF
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		CE11	0CE476WF6DC	MVK6.3TP16VC47M 47uF
		CE12	0CE476WF6DC	MVK6.3TP16VC47M 47uF
		CE13	0CE476WF6DC	MVK6.3TP16VC47M 47uF
		CE14	0CE476WF6DC	MVK6.3TP16VC47M 47uF
		CE15	0CE106WFKDC	MVK4.0TP16VC10M 10uF
		CE16	0CE106WFKDC	MVK4.0TP16VC10M 10uF
		CE17	0CE105WK6DC	MVK4.0TP50VC1M 1uF 2
		CE18	0CE105WK6DC	MVK4.0TP50VC1M 1uF 2
		CE19	0CE106WFKDC	MVK4.0TP16VC10M 10uF
		CE2	0CE106WFKDC	MVK4.0TP16VC10M 10uF
		CE20	0CE105WK6DC	MVK4.0TP50VC1M 1uF 2
		CE21	0CE106WFKDC	MVK4.0TP16VC10M 10uF
		CE22	0CE105WK6DC	MVK4.0TP50VC1M 1uF 2
		CE23	0CE106WFKDC	MVK4.0TP16VC10M 10uF
		CE24	0CE105WK6DC	MVK4.0TP50VC1M 1uF 2
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		CE27	0CE106WFKDC	MVK4.0TP16VC10M 10uF
		CE28	0CE227WF6DC	MVK8.0TP16VC220M 220
		CE29	0CE227WF6DC	MVK8.0TP16VC220M 220
		CE3	0CE476WF6DC	MVK6.3TP16VC47M 47uF
		CE30	0CE107WF6DC	MVK6.3TP16VC100M 100
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		CE32	0CE227WF6DC	MVK8.0TP16VC220M 220
		CE33	0CE227WF6DC	MVK8.0TP16VC220M 220
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		CE42	0CE227WF6DC	MVK8.0TP16VC220M 220
		CE43	0CE476WF6DC	MVK6.3TP16VC47M 47uF
		CE45	0CE227WF6DC	MVK8.0TP16VC220M 220
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		CE7	0CE476WF6DC	MVK6.3TP16VC47M 47uF
		CE8	0CE476WF6DC	MVK6.3TP16VC47M 47uF
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		FB1	0RH0000D622	MCR10EZHZJ000 0OHM 5%
		FB10	0RH0000D622	MCR10EZHZJ000 0OHM 5%
		FB11	0RH0000D622	MCR10EZHZJ000 0OHM 5%
		FB12	0RH0000D622	MCR10EZHZJ000 0OHM 5%
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		L5	0RH0000D622	MCR10EZHZJ000 0OHM 5%

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		L8	6140VB0004B	LN-15A1 26uH AC500V
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		PFB1	0LCML00003B	MLB-201209-0120P-N2
		PFB10	0LCML00003B	MLB-201209-0120P-N2
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		PFB12	0LCML00003B	MLB-201209-0120P-N2
		PFB13	0LCML00003B	MLB-201209-0120P-N2
		PFB14	0LCML00003B	MLB-201209-0120P-N2
		PFB15	0LCML00003B	MLB-201209-0120P-N2
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		PFB7	0LCML00003B	MLB-201209-0120P-N2
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		R101	0RJ1800D677	MCR03EZIPJ181 180OHM
		R102	0RJ0752D677	MCR03EZIPJ750 75OHM 5
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		R108	0RJ1002D677	MCR03EZIPJ103 10KOHM
		R109	0RJ1002D677	MCR03EZIPJ103 10KOHM
		R11	0RJ0332D677	MCR03EZIPJ330 33OHM 5
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		R116	0RJ0000D677	MCR03EZIPJ000 0OHM 5%
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		R118	0RJ4701D677	MCR03EZIPJ472 4.7KOHM
		R119	0RJ6200D677	MCR03EZIPJ621 620OHM
		R12	0RJ0332D677	MCR03EZIPJ330 33OHM 5
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		R121	0RJ2000D677	MCR03EZIPJ201 200OHM
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		R134	0RJ3301D677	MCR03EZIPJ332 3.3KOHM
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		R138	0RJ0332D677	MCR03EZIPJ330 33OHM 5
		R139	0RJ0332D677	MCR03EZIPJ330 33OHM 5
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		R141	0RJ3301D677	MCR03EZIPJ332 3.3KOHM
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		R150	0RJ0222D677	MCR03EZIPJ220 22OHM 5
		R151	0RJ0472D677	MCR03EZIPJ470 47OHM 5
		R152	0RJ0332D677	MCR03EZIPJ330 33OHM 5
		R155	0RJ0222D677	MCR03EZIPJ220 22OHM 5
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		R18	0RJ1002D677	MCR03EZIPJ103 10KOHM
		R180	0RJ0000D677	MCR03EZIPJ000 0OHM 5%
		R19	0RJ1001D677	MCR03EZIPJ102 1KOHM 5
		R20	0RJ1002D677	MCR03EZIPJ103 10KOHM
		R21	0RJ1002D677	MCR03EZIPJ103 10KOHM
		R22	0RJ1002D677	MCR03EZIPJ103 10KOHM
		R23	0RJ0000D677	MCR03EZIPJ000 0OHM 5%
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		R27	0RJ2000D677	MCR03EZIPJ201 200OHM
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		R3	0RJ4701D677	MCR03EZIPJ472 4.7KOHM
		R30	0RJ1001D677	MCR03EZIPJ102 1KOHM 5
		R31	0RJ1001D677	MCR03EZIPJ102 1KOHM 5
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		R4	0RJ4701D677	MCR03EZIPJ472 4.7KOHM
		R41	0RJ1001D677	MCR03EZIPJ102 1KOHM 5
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		R58	0RJ1001D677	MCR03EZIPJ102 1KOHM 5
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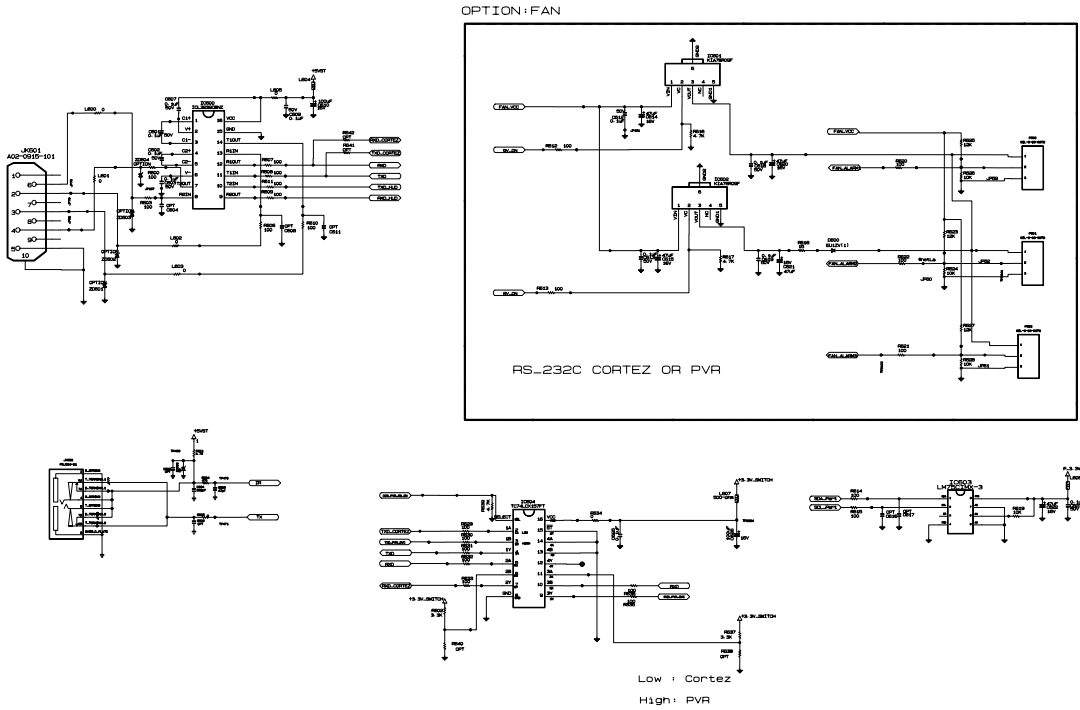
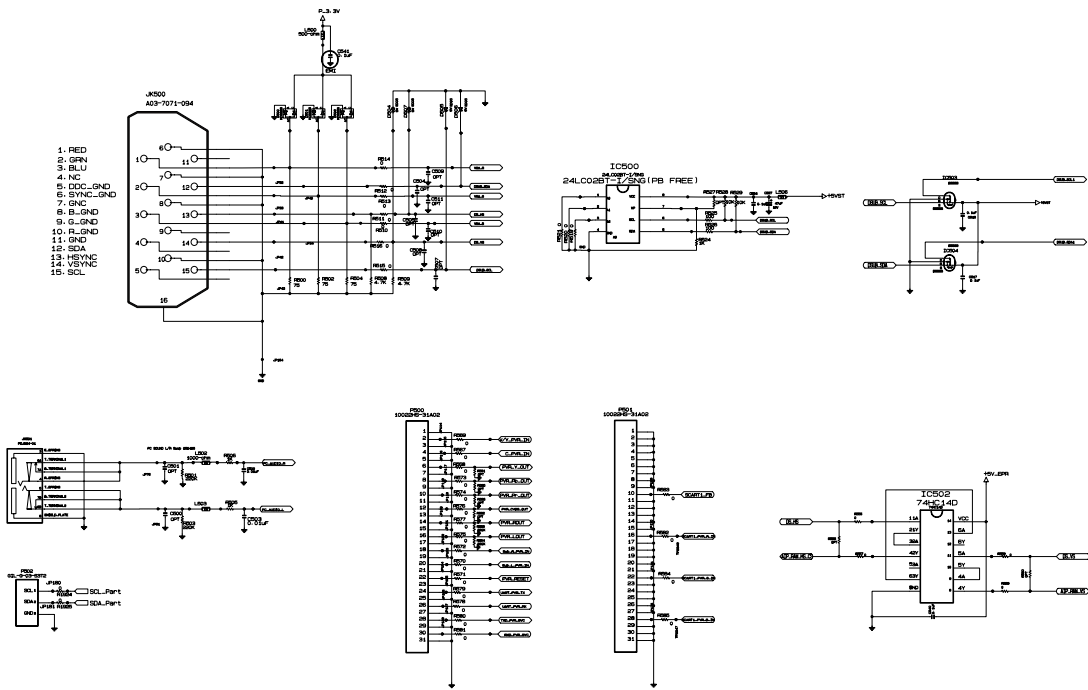
DATE: 2006. 09. 13.				
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		R63	0RJ0332D677	MCR03EZPJ330 33OHM 5
		R64	0RJ0332D677	MCR03EZPJ330 33OHM 5
		R65	0RJ0332D677	MCR03EZPJ330 33OHM 5
		R66	0RJ0472D677	MCR03EZPJ470 47OHM 5
		R67	0RJ1002D677	MCR03EZPJ103 10KOHM
		R68	0RJ0000D677	MCR03EZPJ000 0OHM 5%
		R69	0RJ1002D677	MCR03EZPJ103 10KOHM
		R7	0RJ0332D677	MCR03EZPJ330 33OHM 5
		R70	0RJ4701D677	MCR03EZPJ472 4.7KOHM
		R71	0RJ1001D677	MCR03EZPJ102 1KOHM 5
		R72	0RJ4701D677	MCR03EZPJ472 4.7KOHM
		R73	0RJ4701D677	MCR03EZPJ472 4.7KOHM
		R74	0RJ4701D677	MCR03EZPJ472 4.7KOHM
		R75	0RJ0332D677	MCR03EZPJ330 33OHM 5
		R76	0RJ0332D677	MCR03EZPJ330 33OHM 5
		R77	0RJ0332D677	MCR03EZPJ330 33OHM 5
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		R79	0RJ0332D677	MCR03EZPJ330 33OHM 5
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		R90	0RJ0000D677	MCR03EZPJ000 0OHM 5%
		R91	0RJ0000D677	MCR03EZPJ000 0OHM 5%
		R97	0RJ5601D677	MCR03EZPJ562 5.6KOHM
		R98	0RJ0752D677	MCR03EZPJ750 75OHM 5
		R99	0RJ0752D677	MCR03EZPJ750 75OHM 5
		RN1	0RR1002Q62A	RCA86TRJ10K0 10KOHM
		RN10	0RJ0222C687	RCA86TRJ22R0 22OHM 5
		RN11	0RJ0222C687	RCA86TRJ22R0 22OHM 5
		RN12	0RJ0222C687	RCA86TRJ22R0 22OHM 5
		RN13	0RJ0222C687	RCA86TRJ22R0 22OHM 5
		RN14	0RJ0222C687	RCA86TRJ22R0 22OHM 5
		RN2	0RR1002Q62A	RCA86TRJ10K0 10KOHM
		RN3	0RR1002Q62A	RCA86TRJ10K0 10KOHM
		RN4	0RJ0222C687	RCA86TRJ22R0 22OHM 5
		RN5	0RJ0222C687	RCA86TRJ22R0 22OHM 5
		RN6	0RJ0222C687	RCA86TRJ22R0 22OHM 5
		RN7	0RJ0222C687	RCA86TRJ22R0 22OHM 5
		RN8	0RJ0222C687	RCA86TRJ22R0 22OHM 5
		RN9	0RJ0222C687	RCA86TRJ22R0 22OHM 5
		U1	0IPRP00725A	MS2689-CBZ 3.0VTO3.6
		U11	0IPRPNE011B	"UPD64015AGM-UEU-A,LF"
		U12	0IMMR00080A	HY57V161610ETP-6 16M
		U13	0IPRPCI013A	CS5340-CZZR 1.7TO5.2
		U14	0IPRPCI016A	CS4344-CZZR 4.75TO5.
		U15	0IPMGRH001B	BA05FP 6TO25V 5V 1W
		U16	0IMCRRH001A	BA033FP-E2 4.3TO25V
		U17	0IPMGRH001D	BA15BCOFF-E2 3TO16V
		U18	0IPMG00027A	SC156515M-1.8TR 2.2T
		U19	0IKE702700D	KIA7027AF -0.3TO15V
		U2	0ISTLPH026A	74LVC14APW 1.2TO3.6V
		U3	0IMMR00080A	HY57V161610ETP-6 16M
		U4	0IMMR00080A	HY57V161610ETP-6 16M
		U5	0IMMR00080A	HY57V161610ETP-6 16M
		U6	0IMMR00080A	HY57V161610ETP-6 16M
		U7	0IPRP00726A	MS8301-CMZ 3.3VTO3.3
		U8	0IMMRHY001L	HY57V641620ETP-H 64M
		U9	0IMMRHY001L	HY57V641620ETP-H 64M
		X1	6204B48363A	BMS-873R 27MHZ 27MHZ
		Y1	6212AB2873A	HC-49/SM 24.576MHZ 3

DATE: 2006. 09. 13.				
*S	*AL	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
CONTROL BOARD				
		R101	0RH1302D622	MCR10EZHJ133 13KOHM
		R102	0RH4701D622	MCR10EZHJ472 4.7KOHM
		R103	0RH1501D622	MCR10EZHJ152 1.5KOHM
		R104	0RH0000D622	MCR10EZHJ000 0OHM 5%
		R105	0RH1302D622	MCR10EZHJ133 13KOHM
		R106	0RH4701D622	MCR10EZHJ472 4.7KOHM
		R107	0RH1501D622	MCR10EZHJ152 1.5KOHM
		R108	0RH0000D622	MCR10EZHJ000 0OHM 5%
		SW101	140-313A	THVV501BBC 1C1P 12VD
		SW102	140-313A	THVV501BBC 1C1P 12VD
		SW103	140-313A	THVV501BBC 1C1P 12VD
		SW104	140-313A	THVV501BBC 1C1P 12VD
		SW105	140-313A	THVV501BBC 1C1P 12VD
		SW106	140-313A	THVV501BBC 1C1P 12VD
		SW107	140-313A	THVV501BBC 1C1P 12VD
		SW108	140-313A	THVV501BBC 1C1P 12VD
SIDE A/V BOARD				
		C101	0CH5101K416	C2012C0G1H101JT 100p
		C102	0CH5101K416	C2012C0G1H101JT 100p
		R101	0RH0000D622	MCR10EZHJ000 0OHM 5%
		R102	0RH0000D622	MCR10EZHJ000 0OHM 5%
		R103	0RH0000D622	MCR10EZHJ000 0OHM 5%
		R104	0RH0000D622	MCR10EZHJ000 0OHM 5%
		R105	0RH4700D622	MCR10EZHJ471 470OHM
		R106	0RH4700D622	MCR10EZHJ471 470OHM
LED BOARD				
		D200	0DLAU0410AA	SAW5670 ROUND 5mM AM
		IC201	6712000013A	TSOP4438SO1 4.5TO5.5
		P200	6602T20009J	SMAW200-10P 10P 2.00
		P201	6602T20009C	SMAW200-04P 4P 2.00M
		C200	0CH5101K416	C2012C0G1H101JT 100p
		C201	0CH5330K416	C2012C0G1H330JT 33pF
		C202	0CE476VF6DC	VG476M016S0ANE010 4
		C203	0CE476VF6DC	VG476M016S0ANE010 4
		C204	0CE476VF6DC	VG476M016S0ANE010 4
		L200	0LC1032101A	FI-C3216-103KJT 10UH
		Q200	0TR387500AA	2SC3875S(ALY) NPN 5V
		Q201	0TR387500AA	2SC3875S(ALY) NPN 5V
		Q202	0TR387500AA	2SC3875S(ALY) NPN 5V
		R200	0RH0000D622	MCR10EZHJ000 0OHM 5%
		R201	0RH0000D622	MCR10EZHJ000 0OHM 5%
		R202	0RH4700D622	MCR10EZHJ471 470OHM
		R203	0RH0000D622	MCR10EZHJ000 0OHM 5%
		R204	0RH4700D622	MCR10EZHJ471 470OHM
		R205	0RH0000D622	MCR10EZHJ000 0OHM 5%
		R206	0RH0000D622	MCR10EZHJ000 0OHM 5%
		R207	0RJ1001D677	MCR03EZPJ102 1KOHM 5
		R208	0RH4700D622	MCR10EZHJ471 470OHM



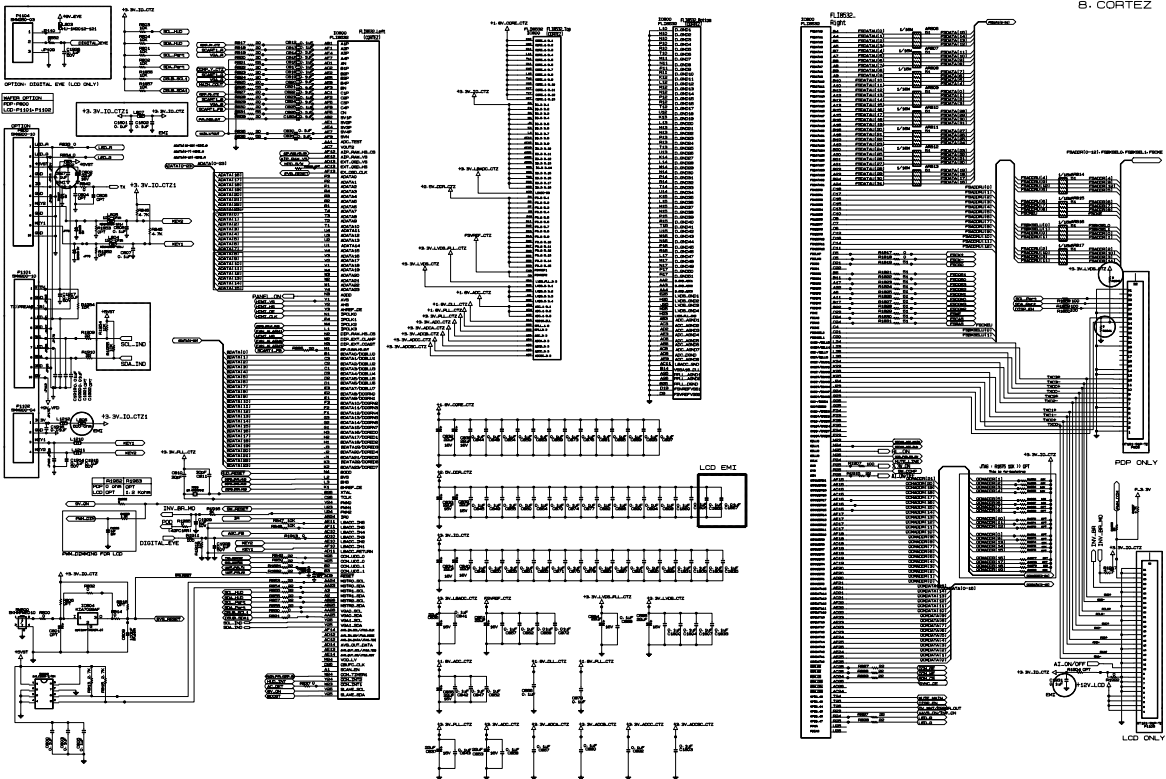
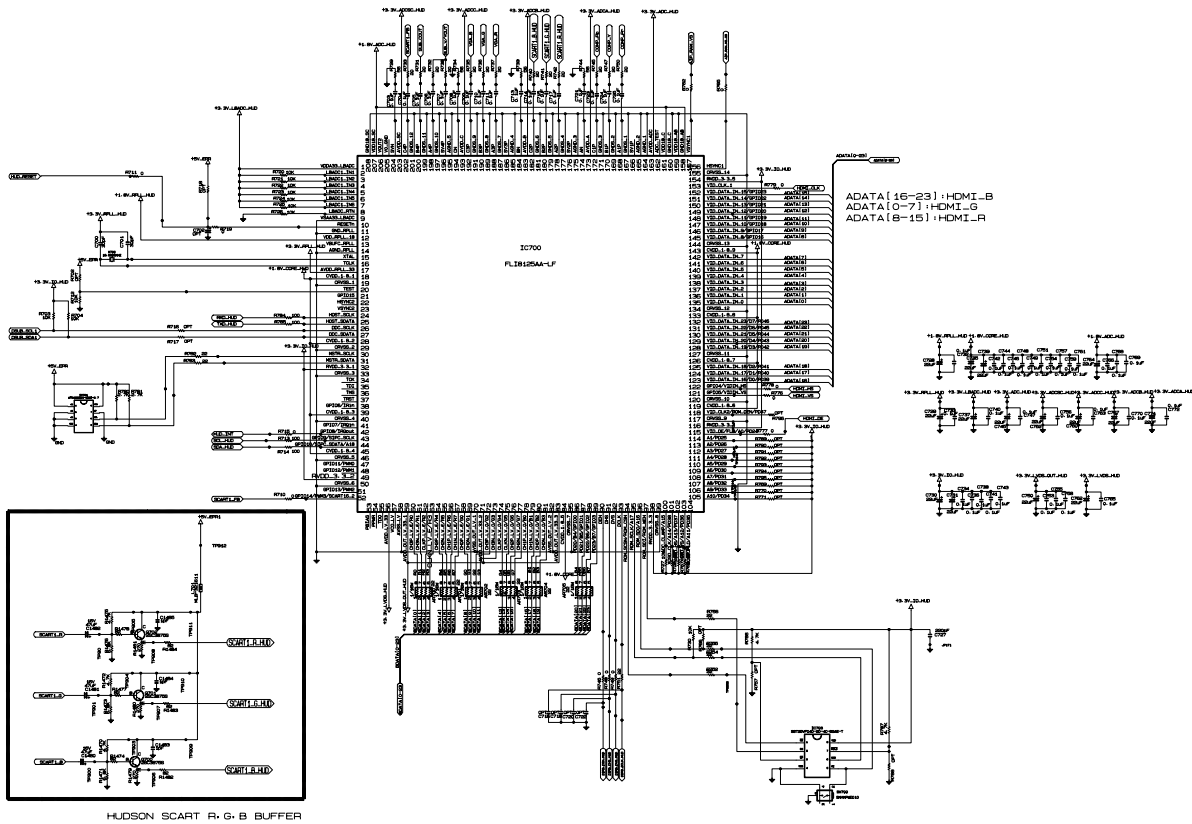
5. RGB INPUT

6. RS232C & FAN

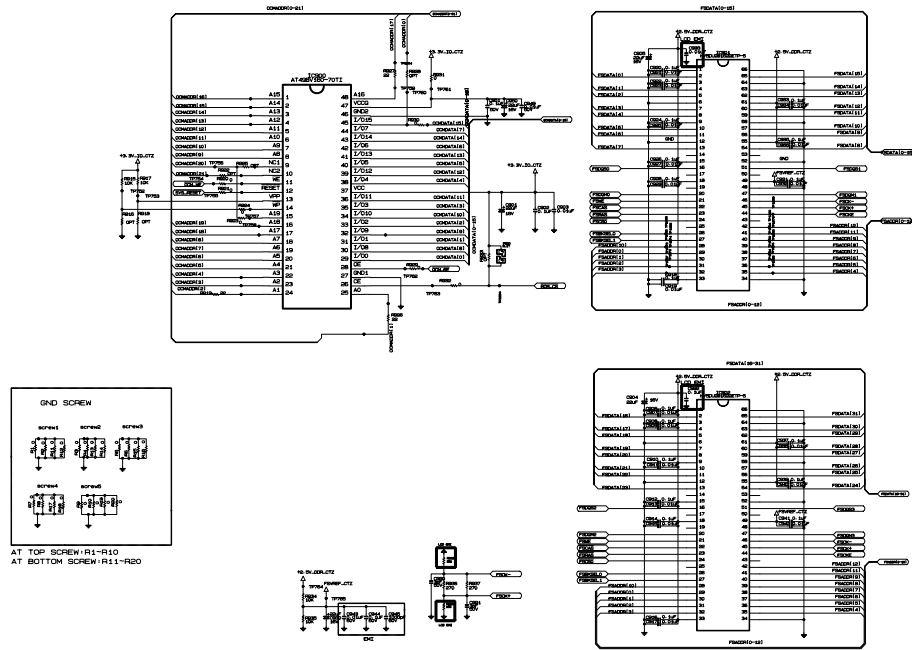


7. HUDSON

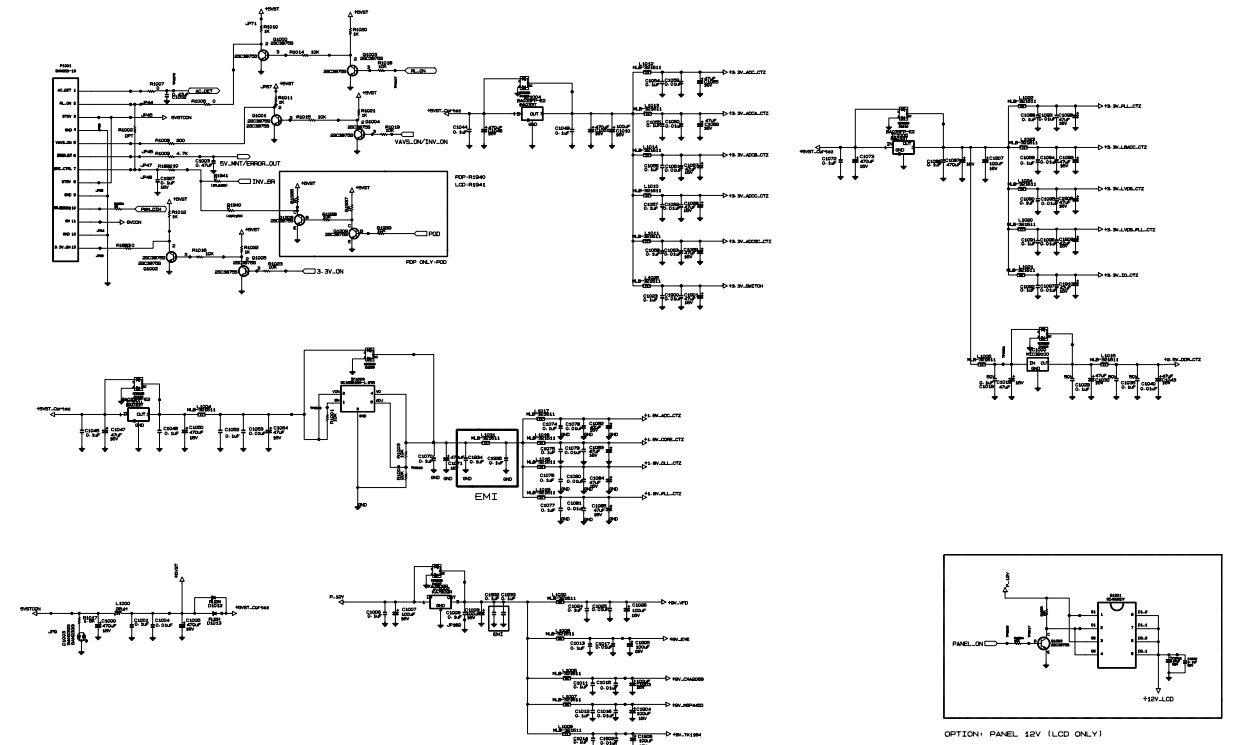
B. CORTEZ



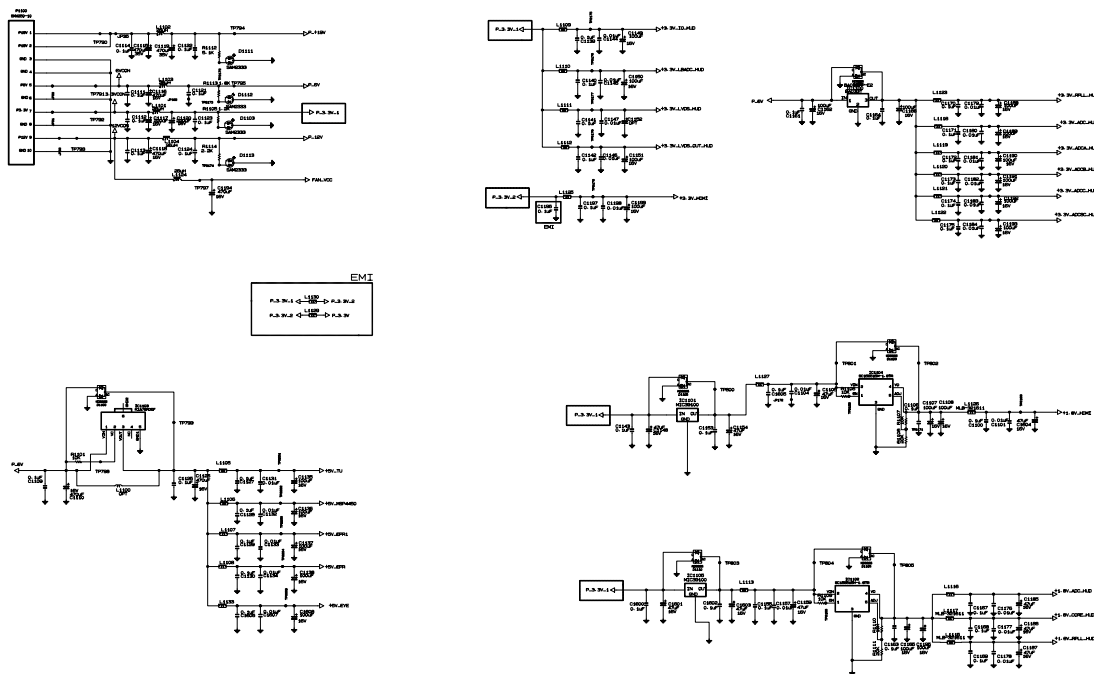
9. DDR MEMORY



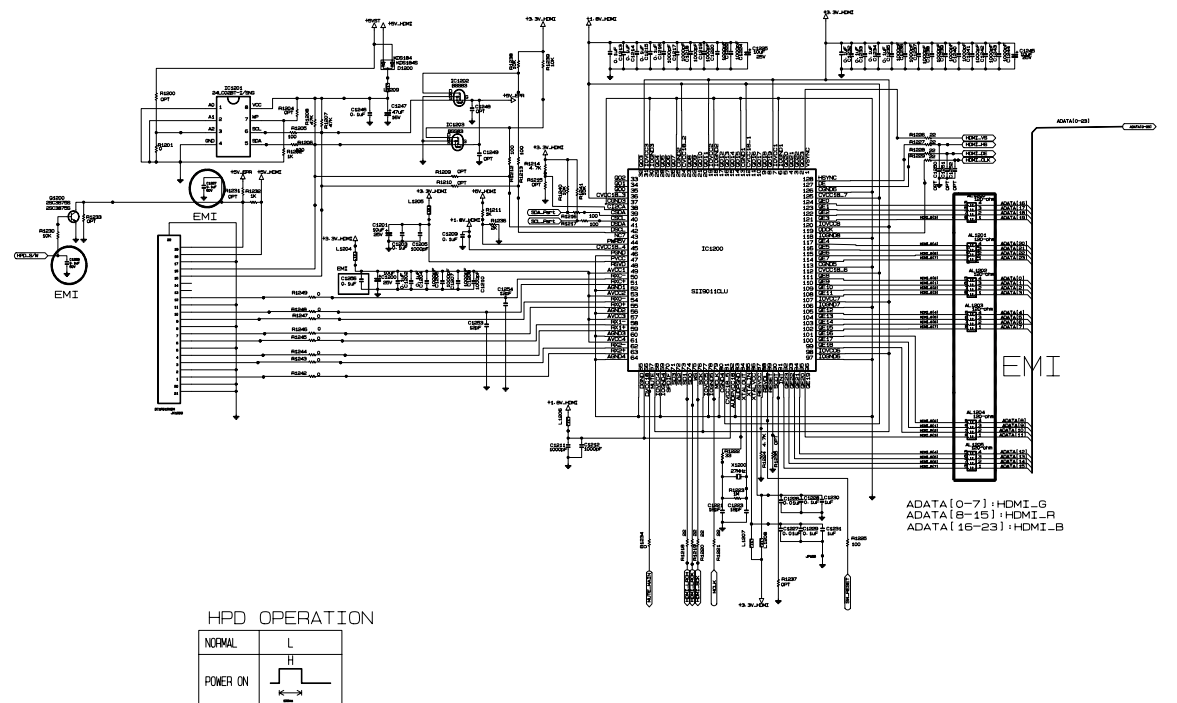
10. POWER



11. POWER



12. HDMI Rx





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Sep., 2006
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