Internal Use Only

website:http://biz.LGservice.com

LG

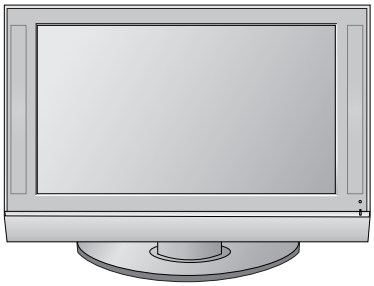
PLASMA TV
SERVICE MANUAL

CHASSIS : PD74A

MODEL : 42PT85 42PT85-ZB

CAUTION

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



CONTENTS

SAFETY PRECAUTIONS

IMPORTANT SAFETY NOTICE

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

General Guidance

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

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

If any fuse (or Fusible Resistor) in this monitor 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.

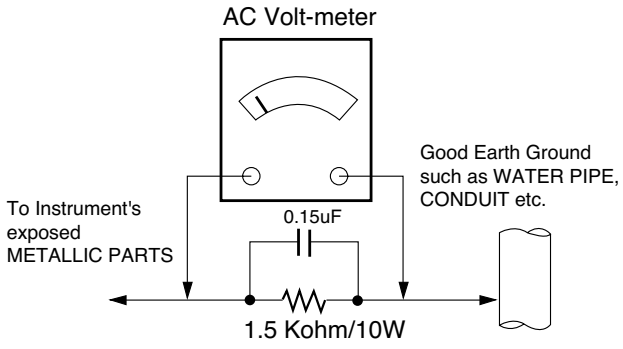
Keep wires away from high voltage or high temperature parts.

Due to high vacuum and large surface area of picture tube, extreme care should be used in **handling the Picture Tube.**
Do not lift the Picture tube by it's Neck.

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

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

Leakage Current Hot Check circuit



SPECIFICATIONS

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

■ Application Range

This spec is applied to the 42” PLASMA TV used PP7BA Chassis.

Chassis	Model Name	Market	Brand	Remark
PD74A	42PT85	UK,France, Germany, Spain, Sweden, Finland, Italy	LG	

■ Specification

Each part is tested as below without special appointment.

1) Temperature : 25±5°C (77±9°F), CST : 40±5
2) Relative Humidity: 65±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 SBOM.
5) The receiver must be operated for about 20 minutes prior to the adjustment.

■ Test Method

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

Model	Market	Appliance	Remark
42PT85	UK,France, Germany, Spain, Sweden, Finland, Italy	Safety : IEC/EN60065 EMI : EN55013, EMS : EN55020	Not yet TEST

■ General Specification (42” XGA Module)

No	Item	Specification	Remark
1	Display Screen Device	42” Wide Color Display Module	Plasma Display Panel
2	Aspect Ratio	16:9	
3	PDP Module	PDP42X4A, RGB Closed Type	Film Filter
4	Operating Environment	1)Temp. : 0~40deg 2)Humidity : 20~80%	LGE SPEC.
5	Storage Environment	3)Temp. : -20~60deg 4)Humidity : 10~90%	
6	Input Voltage	100-240V~, 50/60Hz	Maker : LG

■ Module Specification

No	Item	Specification	Remark
1	Market	UK,France, Germany, Spain, Sweden, Finland, Italy	
2	Broadcasting system	1) PAL-BG 2) PAL - DK 3) PAL - I, I' 4) DVB - T(ID TV)	UK,France, Germany, Spain, Sweden, Finland, Italy
3	Receiving system	Analog : Upper Heterodyne Digital : COFDM	
4	SCART Jack(2EA)	PAL, SECAM	Scart 1 Jack is Full scart and support RF-OUT (analog) Scart 2 Jack is Half scart and support MNT-OUT
5	Video Input (2EA)	PAL, SECAM, NTSC	4 System : PAL, SECAM, NTSC, PAL60
6	S-Video Input (1EA)	PAL, SECAM, NTSC	4 System : PAL, SECAM, NTSC, PAL60
7	Component Input (1EA)	Y/Cb/Cr, Y/Pb/Pr	
8	RGB Input	RGB-PC RGB-DTV	
9	HDMI Input(2EA)	HDMI-PC HDMI-DTV & SOUND	
10	Audio Input(4EA)	PC Audio, Component, AV(2EA)	L/R Input

ADJUSTMENT INSTRUCTIONS

1. Application Object

These instructions are applied to all of the 42” PLASMA TV, PD74A Chassis.

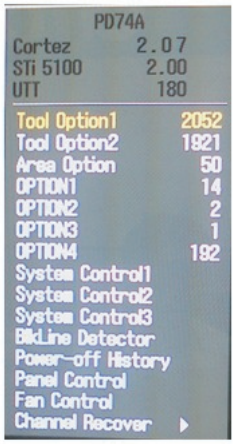
2. Note

(1) Because this is not a hot chassis, it is not necessary to use an isolation transformer. However, the use of isolation transformer will help protect test instrument.
(2) Adjustment must be done in the correct order.
(3) The adjustment must be performed in the circumstance of 25±5°C of temperature and 65±10% of relative humidity if there is no specific designation.
(4) The input voltage of the receiver must keep 100-240V~, 50/60Hz.
(5) Before adjustment, execute Heat-Run for 30 minutes at RF no signal.

3. Channel memory Setting Method

: You can set channel memory by R/C for adjustment.

1) Press ADJ key of Adjust Remote Controller.(P/N:105-210M)
2) Select ‘Channel Recover’ by using ▲/▼(CH +/-) key, and press ‘VOL +’.
3) The set is turned off automatically.
4) Press ‘power’ key of Adjust Remote Controller.



4. PCMCIA CARD Checking Method

: You must adjust DTV ##(Scrambled) Channel and insert PCMCIA CARD to socket.

1) If PCMCIA CARD works normally, normal signals display on screen.
But it works abnormally, “No CA module” words display on screen.

Each PCB assembly must be checked by check JIG set. (Because power PCB Assembly damages to PDP Module, especially be careful)

5. POWER PCB Assy Voltage Adjustments (Va, Vs Voltage adjustments)

5-1. Test Equipment : D.M.M. 1EA

5-2.Connection Diagram for Measuring

: refer to Fig.1

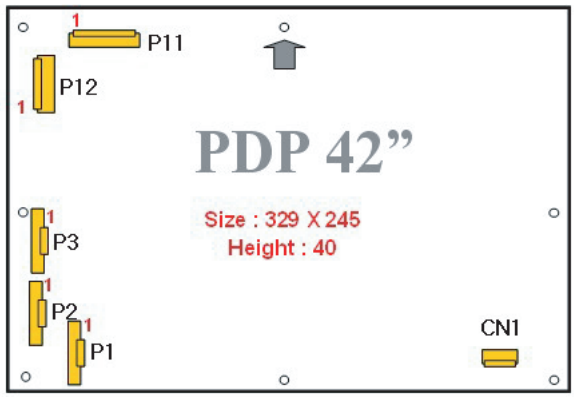
5-3. Adjustment Method

(1) Va Adjustment

1) After receiving 100% Full White Pattern, HEAT RUN.
2) Connect + terminal of D.M.M to Va pin of P12(P812), connect - terminal to GND pin of P12(P812).
3) After turning VR901, voltage of D.M.M adjustment as same as Va voltage which on label of panel right/top. (Deviation; ±0.5V)

(2) Vs Adjustment

1) Connect + terminal of D.M.M to Vs pin of P812, connect – terminal to GND pin of P812.
2) After turning VR951, voltage of D.M.M adjustment as same as Va voltage which on label of panel right/top. (Deviation; ±0.5V)



<42” EAY3292701>

(Fig.1) Connection diagram of power adjustment for measuring

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

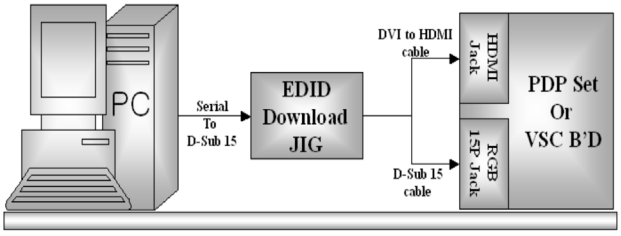
* Caution
  (1) Use the proper signal cable for EDID Download.
    - Analog EDID : Pin3 exists.
    - Digital EDID : Pin3 exists.
  (2) Never connect HDMI & DVI-D & DVI-A Cable at the same time.
  (3) Use the proper cables below for EDID Writing.

For RGB EDID	For HDMI EDID
D-sub to D-sub	DVI-D to HDMI or HDMI to HDMI
	

6-1. EDID Date

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

6-2. Setting of device



(Fig. 2) Connection Diagram of DDC download

6-3. Preparation for Adjustment

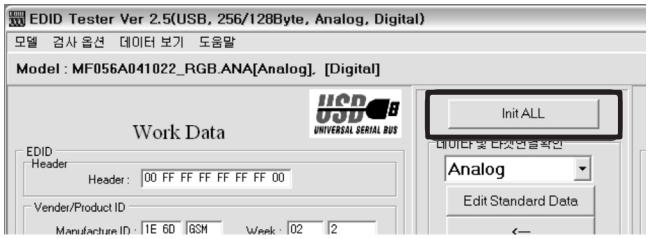
1) As above Fig. 2, Connect the Set, EDID Download Jig, PC & Cable.
2) Turn on the PC & EDID Download Jig. And Execute the S/W : EDID TESTER Ver,2.5.
3) Set up S/W option.
   Repeat Number : 5
   Device Address : A0
   PageByte : 8

4) Power on the Set.

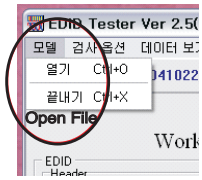
6-4. Sequence of Adjustment

- EDID Download

1) Init the data.



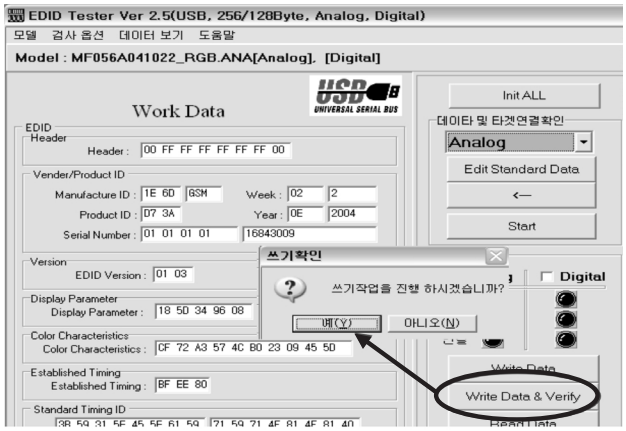
2) Load the EDID data.(Open File).



[Analog file] (for **RGB**)

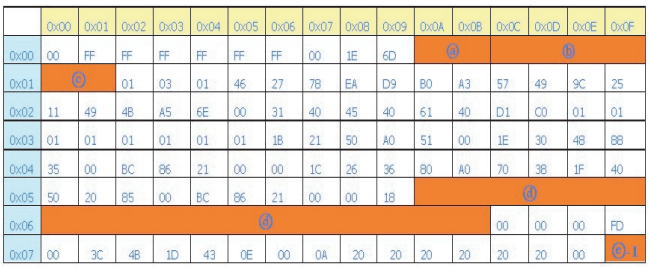
[Digital file] (for **HDMI**)

3) Set the S/W as below.
4) Push the “Write Data & Verify”button. And confirm “Yes”.
5) If the writing is finished, you will see the “OK” message.
6) If TV has two HDMI, you must download two times for each HDMI.

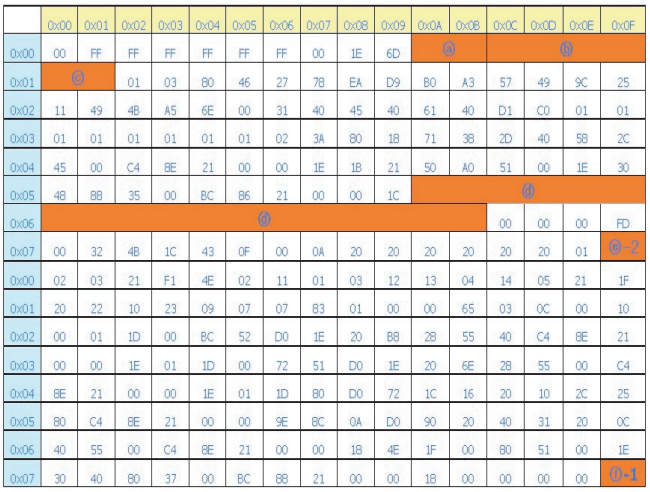


- EDID DATA

1) Analog RGB(128Byte).

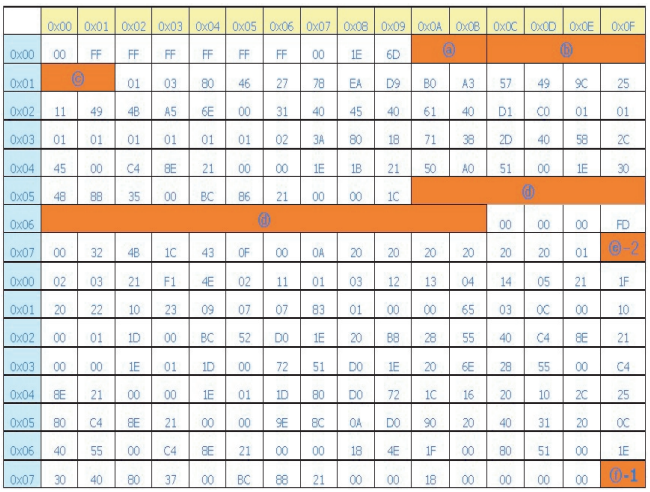


2) HDMI1 RGB(256Byte).



=> Detail EDID Options are below(ⓐ,ⓑ,ⓒ,ⓓ,ⓔ-1,ⓔ-2,ⓕ-1,ⓕ-2)

3) HDMI1 RGB(256Byte).



=> Detail EDID Options are below(ⓐ,ⓑ,ⓒ,ⓓ,ⓔ-1,ⓔ-2,ⓕ-1,ⓕ-2)

1. ⓐ -> Product ID

Model Name	Product ID	Product ID		
		Dec	Hex	EDID table
42PT85			9CB6	B69C
50PT85			9CB6	B69C

2. ⓑ -> Serial No : Controlled on production line

3. ⓒ -> Month, Year : Controlled on production line

ex) Week : '03' => '03'

Year : '2006' => '10'

4.ⓓ -> Model Name(Hex):

Model Name	Hex Data
42PT85-ZB	000000FC003432505438350A202020202020
50PT85-ZB	000000FC003530505438350A202020202020

5. ⓔ-1,ⓔ-2,ⓕ-1,ⓕ-2 -> Checksum : Changeable by total EDID data

Model Name	ⓔ-1	ⓔ-2	ⓕ-1	ⓕ-2
42PT85-ZB	89	C2	CC	F2
50PT85-ZB	8A	C3	CC	BC

7. ADC Calibration

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

- System control RS-232 Host should be “PC“ for adjustment.
- Before AV ADC Calibration, execute the “Panel size selection“

8. Auto RF/AV/S-VIDEO Color Balance

8-1. Requirement

■ This AV color balance adjustment should be performed before white Balance Adjustment.

8-2. Required Equipment

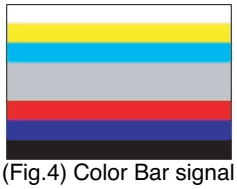
1) Remote controller for adjustment.
2) MSPG-925FS Pattern Generator (Which has Video Signal: 7 Color Bar Pattern shown in Fig.3).
   (1) Model: 202 / Pattern: 65 - Models use PAL-BGDHI. (composite signal)

8-3. Method of Auto RF/AV/S-VIDEO Color Balance(PAL_BGDHI)

1) Input the PAL Video signal 7 color Bar (MSPG-925FS Model : 202, pattern : 65) signal into AV3.
2) Set the PSM to Dynamic mode in the Picture menu.
3) Press INSTART key on R/C for adjustment.

(Fig.3) Color Bar signal

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



(Fig.4) Color Bar signal

5) Auto-RGB OK means completed adjustment.

9. Adjustment of Component

9-1. Requirement

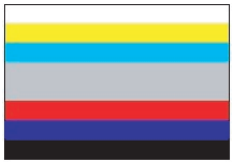
■ This AV color balance adjustment should be performed before white Balance Adjustment.

9-2. Required Equipment

1) Remote controller for adjustment.
2) MSPG-925FS Pattern Generator (Which has Video Signal: 7 Color Bar Pattern shown in Fig.5).
   (1) Model: 215 / Pattern: 65 - Models use component.

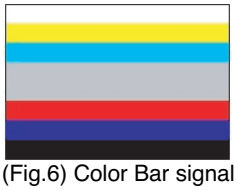
9-3. Method of Auto Component Color Balance

1) Input the Component 720p/50Hz 7 Color Bar (MSPG-925FS Model : 215, pattern : 65) signal into Component.
2) Set the PSM to Dynamic mode in the Picture menu.
3) Press IN-START key on R/C for adjustment.



(Fig.5) Color Bar signal

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



(Fig.6) Color Bar signal

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

10. Adjustment of RGB

10-1. Requirement

■ This AV color balance adjustment should be performed before white Balance Adjustment.

10-2. Required Equipment

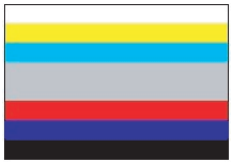
1) Remote controller for adjustment.
2) MSPG-925FS Pattern Generator (Which has Video Signal: 7 Color Bar Pattern shown in Fig.7).
   (1) Model: 3 / Pattern: 65 - Models use RGB

10-3. Method of Auto RGB Color Balance

1) Input the PC 1024x768 @ 60Hz 7 color bar (MSPG-925FS, Model : 3, Pattern : 65) signal 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.7) Color Bar signal

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



(Fig.8) Color Bar signal

5) Auto-RGB OK means adjustment is completed.

11. Scart RGB(DVR) Adjustment Mode

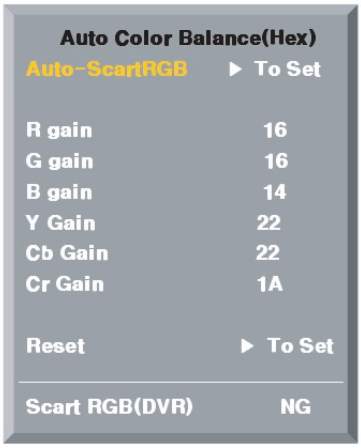
11-1. Required Equipment

1) Remote controller for adjustment
2) MSPG-925FS Pattern Generator (Which has Video Signal: 7 Color Bar Pattern shown in Fig.9)
   (1) Model: 232 / Pattern: 08

11-2. Method of Auto Scart RGB(DVB) Balance

1) Input the Video Signal : Color Bar signal into AV1(using Full Scart Cable).
2) Set the PSM to Dynamic mode in Picture menu.
3) Press the IN-START key on R/C for adjustment.

(Fig.9) Color Bar signal



(Fig.10) Color bar Signal

4) Press the TURBO-PICTURE Key on R/C for adjustment.
5) Press the ▶(Vol. +) key operate To set , then it becomes automatically.(Fig.7)
6) Scart RGB(DVR) OK means Scart RGB adjustment is completed.

12. Adjustment of White Balance

12-1. Required Equipment

(1) Color Analyzer(CA-100+/CH.10)
   1) Remote controller of adjustment -> Color Analyzer(CA-100+ of same product) : CH 10
   2) Auto W/B adjustment instrument.(only for Auto Adjustment) -> AV Pattern Generator.

◆ Color temperature standards according to CSM and Module.

CSM	PLASMA	Remark
Cool	11000K	
Normal	9300K	
Warm	6500K	

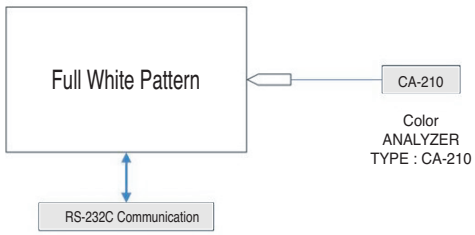
◆ White balance adjustment coordinate and color temperature.
* PC(for communication through RS-232C)

Cool	**CS-100**	**CA-210(CH 10)**
x	0.276	0.276±0.002
y	0.283	0.283±0.002
Δuv	0.000	0.000
Medium	**CS-100**	**CA-210(CH 10)**
x	0.285	0.285±0.002
y	0.293	0.293±0.002
Δuv	0.000	0.000
Warm	**CS-100**	**CA-210(CH 10)**
x	0.313	0.313±0.002
y	0.329	0.329±0.002
Δuv	0.004	0.004

-> UART Baud rate : 115200 bps
* Luminance Y AV : upper 150cd/m² (Typ : 350cd/m²)
-> Applying to Cool, Medium, Warm mode.

12-2. Connection Picture of the Measuring Instrument(On Automatic control)

(1) Inside PATTERN is used when W/B is controlled. Connect to auto controller or push control R/C IN-START -> Enter the mode of White-Balance, the pattern will come out. power supply) and heat-run over 15 minutes.



(Fig.11) Auto AV(CVBS) Color Balance Test Pattern

■ Auto adjustment Map(RS-232C)

Type		PD74A				
Baud Rate		Data bit		Stop bit		Parity
115200		8		1		None
Protocol	Index	Cmd 1	Cmd 2	Data	Min Value	Max Value
Setting	R-Gain_Normal	j	a		00(00)	128(80)
	G-Gain_Normal	j	b		00(00)	128(80)
	B-Gain_Normal	j	c		00(00)	128(80)
	R-Gain_Warm	j	d		00(00)	128(80)
	G-Gain_Warm	j	e		00(00)	128(80)
	B-Gain_Warm	j	f		00(00)	128(80)
	R-Gain_Cool	j	g		00(00)	128(80)
	G-Gain_Cool	j	h		00(00)	128(80)
	B-Gain_Cool	j	i		00(00)	128(80)
	R-Offset_Normal	l	j		00(00)	128(80)
	G-Offset_Normal	l	k		00(00)	128(80)
	B-Offset_Normal	l	l		00(00)	128(80)
	R-Offset_Warm	l	m		00(00)	128(80)
	G-Offset_Warm	l	n		00(00)	128(80)
	B-Offset_Warm	l	o		00(00)	128(80)
	R-Offset_Cool	l	p		00(00)	128(80)
	G-Offset_Cool	l	q		00(00)	128(80)
	B-Offset_Cool	l	r		00(00)	128(80)
	Internal Pattern Signal	w	b	00	W/B adjustment Start	
	Internal Pattern Signal	w	b	10	Internal Pattern use	
	Internal Pattern Signal	w	b	ff	W/B adjustment end	

12-3. Auto-control interface and directions

(1) Adjust in the place where the influx of light like floodlight around is blocked.(illumination is less than 10ux)
(2) Measure and adjust after sticking the Color Analyzer(CA-100+, CA-210) to the side of the module.
(3) Aging time
- After aging start, keep the power on(no suspension of power supply) and heat-run over 15minutes.
- Keep white pattern using inside pattern.

13. Adjustment of White Balance

(Manual white Balance)

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

(1) press “power on” of the control R/C, set heat run to white by pressing ▶ and heat run over 15 minutes.
(Set: RS-232 Host: PC, Baud Rate: 115200bps, Download: Cortez)
2) Zero Calibrate CA-100+, and when controlling, stick the sensor to the center of PDP module surface.
3) Double click In-start key on Controlling R/C and get in ‘white balance’.
4) Set test-pattern on and display inside pattern. Control is carried out on three color temperature, COOL, MEDIUM, WARM. (Control is carried out three times,)
5) When the R/G/B GAIN is 80 on OSD, it is the FULL DYNAMIC Range of the Module. In order to control white balance without the saturation of FULL DYNAMIC Range and DATA, one of R Gain / G Gain / B Gain should be kept on 80, and other two is controlled lowering from 80.

* Color Temperature: Cool, Medium, Warm
(1) When R GAIN is set to 80
- Control G GAIN and B GAIN by lowering from 80.
(2) When B GAIN is set to 80
- Control R GAIN and G GAIN by lowering from 80.
(3) When G GAIN is set to 80
- Control R GAIN and B GAIN by lowering from 80.
One of R Gain / G Gain / B Gain should be kept on 80, and adjust other two lower than 80.
(When R/G/B GAIN are all 80, it is the FULL DYNAMIC Range of Module).

14. Default Value in Adjustment mode

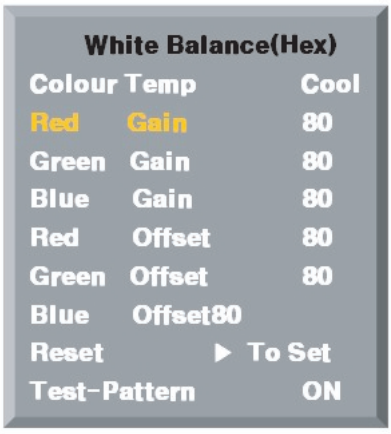
14-1. Auto Color Balance

<Component>

<RGB>

(Fig.12) Default Value on OSD

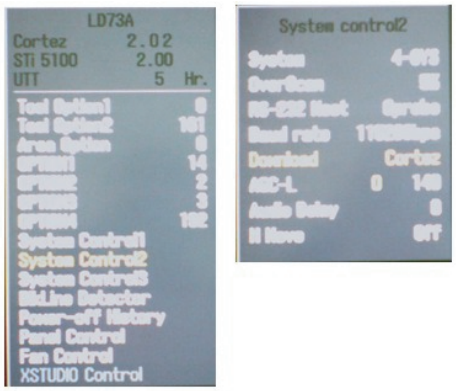
14-2. Write Balance



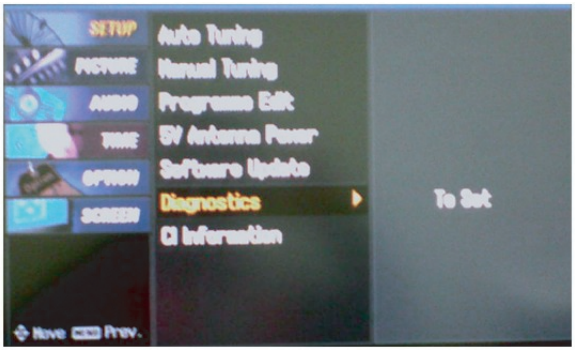
(Fig.13) Default Value on OSD

15. Set information(Serial No & Model name)

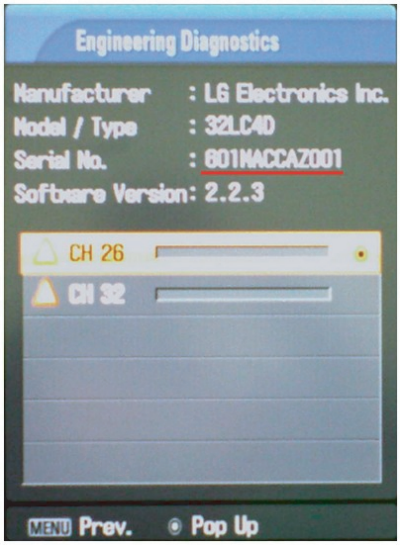
(1) Setting up like bottom figure (After setting white balance, this is set)
  1) Press ADJ Key in the Adjust remocon.
  2) Select "System Control 2" by using ▲/▼(CH+/-) key, and press ■(ENTER).
  3) Using Adjust remocon, RS-232 Host & Baud Rate & Download value change (RS-232 Host:Gprobe, Baud Rate:115200bps, Download:Cortez)



(2) Bar-code scanning
  1) Push the menu button in DTV mode.
  Select the STATION -> Diagnostics -> To set

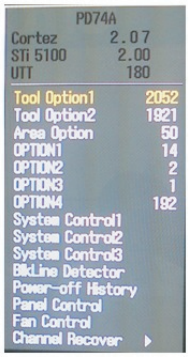


  2) Check the Serial Number.



16. Select method of Tool option

(1) Press ADJ Key in the Adjust remote control.
(2) Select "Tool option 1" and "Tool option2" by using ▲/▼ (CH+/-) key, and press ■(ENTER).



(3) TOOL OPTION1
  1) Select "Maker" by using ▲/▼ (CH+/-) key, and change the module maker and. applied module classification by using ◀/▶ (VOL+/-).
  2) Select "Inch" by using ▲/▼ (CH+/-) key, and change the module according to the inch of model.
(4) TOOL OPTION2
  1) Select "TOOL NUM" by using ▲/▼ (CH+/-) key, and change the module maker and. applied module classification by using ◀/▶ (VOL+/-).
  2) Select "FAN" by using ▲/▼ (CH+/-) key, change the module according to the inch of model.
  3) Select "DIGITAL" by using ▲/▼ (CH+/-) key, and change the tool name according to the model.

(Inch of model : "42,50" Applied module under the calassificatoin :)

Tool option1	Maker	Inch	Tool
2048	LGX4	42	PT85
2052	LGX4	50	PT85

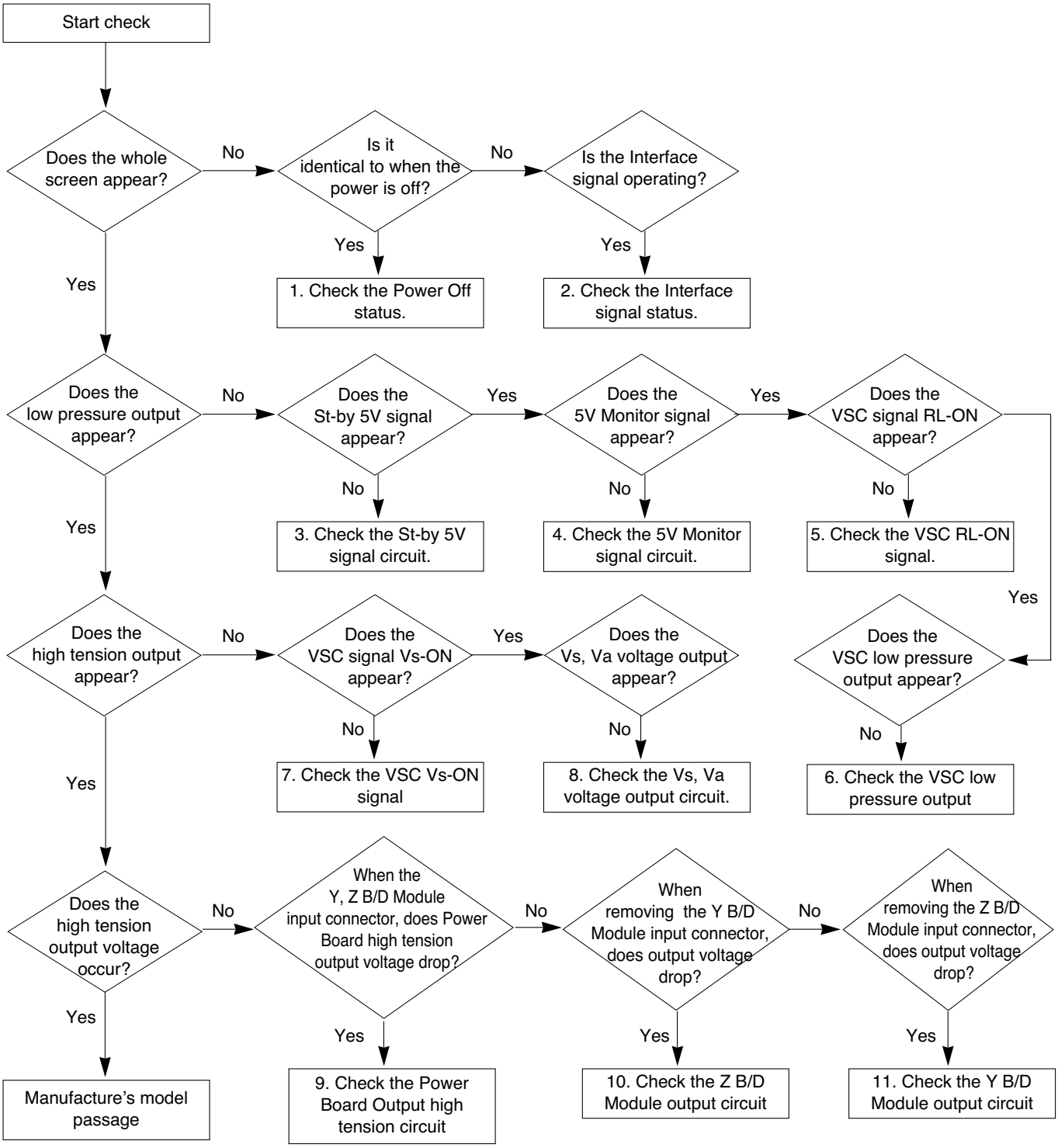
Tool option2	Suffix	FAN	DIGITAL AMP
1665	KE*L(Y)LMP	0	1
1921	KE*L(Y)LMP	1	1
1665	KE*FLMP	0	1

6) After changing the Tool option1,2, push the EXIT Key.

TROUBLE SHOOTING GUIDE

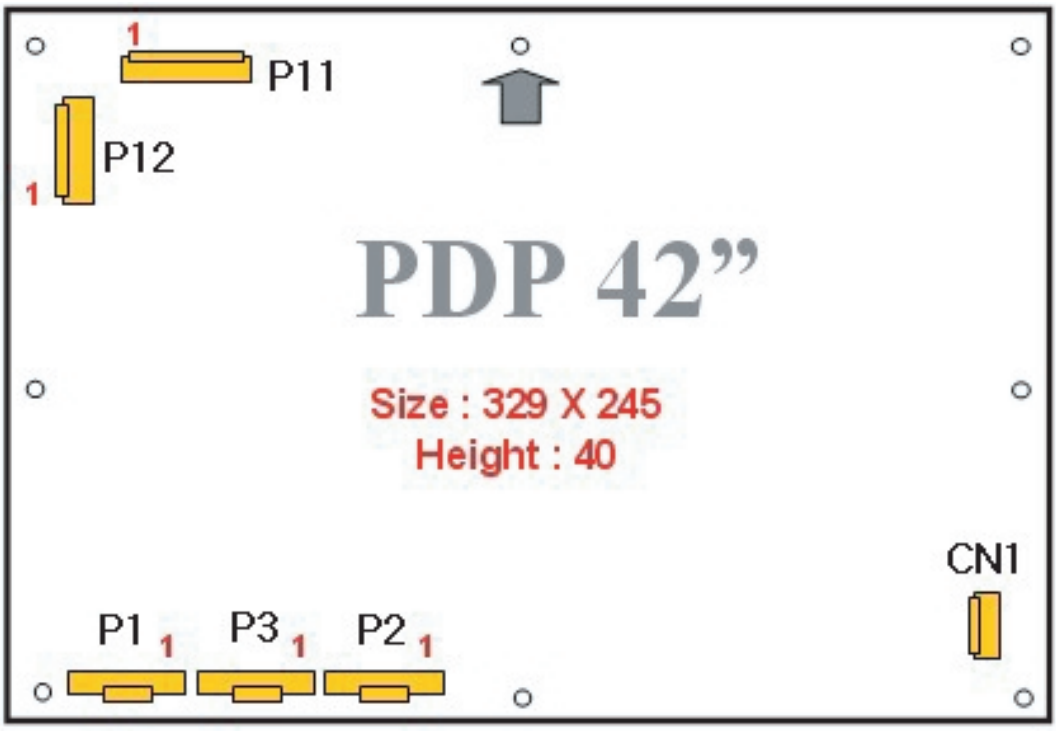
1. Power Board

1-1. The full flowchart for the voltage output



1-2. 42” Power Board Structure(670990001A)

(1) Pin Layout

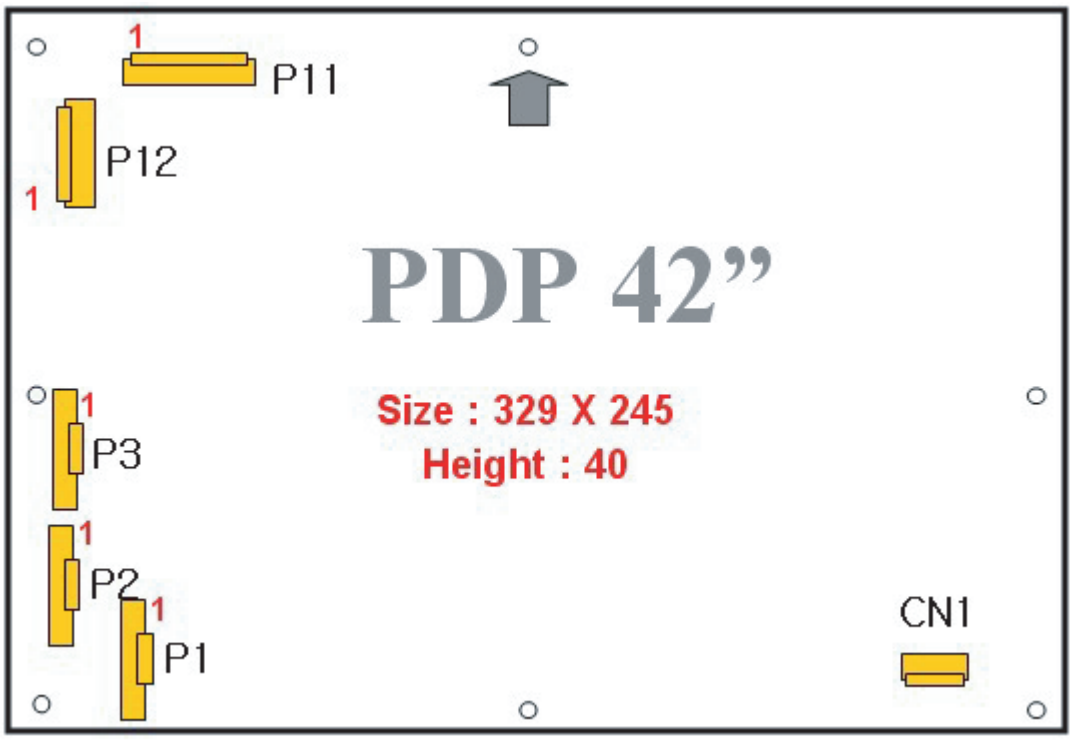


(2) Pin Spec

NO	AC INLET	ANALOG & DIGITAL BOARD			PDP MODULE	
	CN1	P1	P2	P3	P11	P12
1	AC	AC Det	19V	3.4V	Vs	5V
2	NC	RL-ON	19V	3.4V	Vs	GND
3	AC	STBY 5V	GND	GND	NC	Va
4		GND	GND	GND	GND	GND
5		Vs-ON	6V	6V	GND	GND
6		5V Det	GND	6V	Va	GND
7		M5V-ON	3.4V	GND	GND	NC
8		STBY 5V	GND	GND	5V	Vs
9		GND	12V	12V		Vs
10		NC	GND	12V		
11		6V		GND		
12		GND		GND		
13		3.4V-ON				
Wafer P/N	YH396-03V	SMW250-13P	SMW250-10P	SMW250-12P	YH396-08V	YH396-09V

1-3. 42” Power Board Structure(EAY32927901)

(1) Pin Layout



(2) Pin Spec

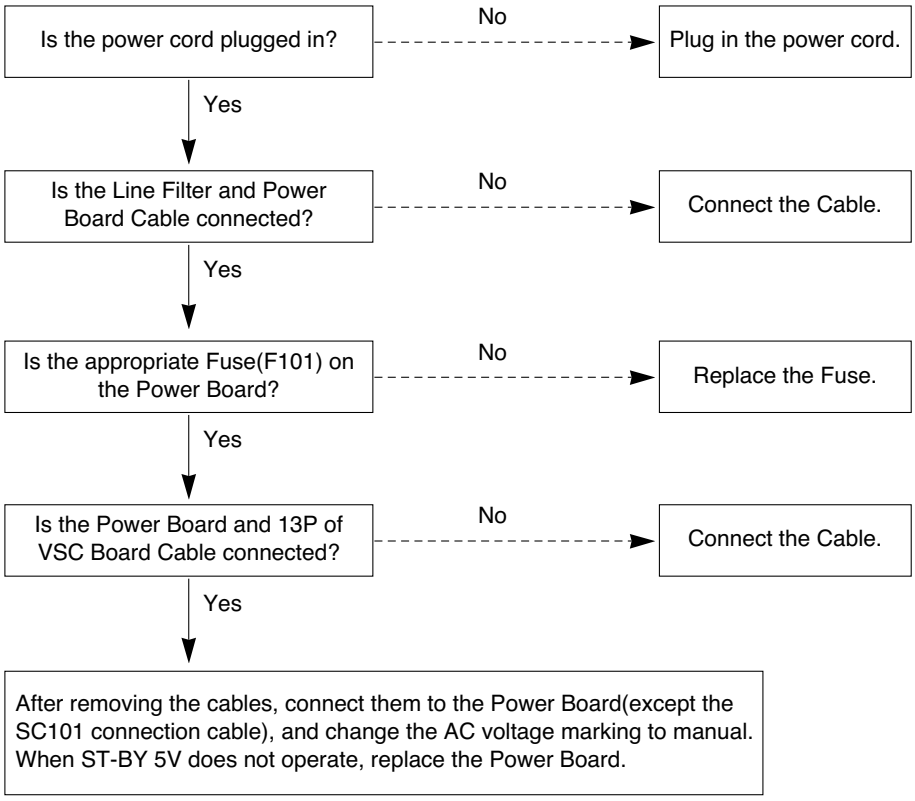
NO	AC INLET	ANALOG & DIGITAL BOARD			PDP MODULE	
	CN1	P1	P2	P3	P11	P12
1	AC	AC Det	19V	3.4V	Vs	5V
2	NC	RL-ON	19V	3.4V	Vs	GND
3	AC	STBY 5V	GND	GND	NC	Va
4		GND	GND	GND	GND	GND
5		Vs-ON	6V	6V	GND	GND
6		5V Det	GND	6V	Va	GND
7		M5V-ON	3.4V	GND	GND	NC
8		STBY 5V	GND	GND	5V	Vs
9		GND	12V	12V		Vs
10		NC	GND	12V		
11		6V		GND		
12		GND		GND		
13		3.4V-ON				
Description	YH396-03V	SMW250-13P	SMW250-10P	SMW250-12P	YH396-08V	YH396-09V

2. No Power

(1) Symptom

1) Does not minute discharge at module.
2) Non does not come into the front LED.

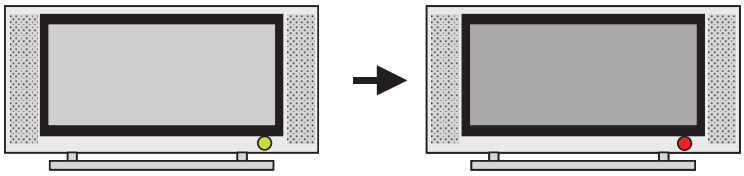
(2) Procedure check



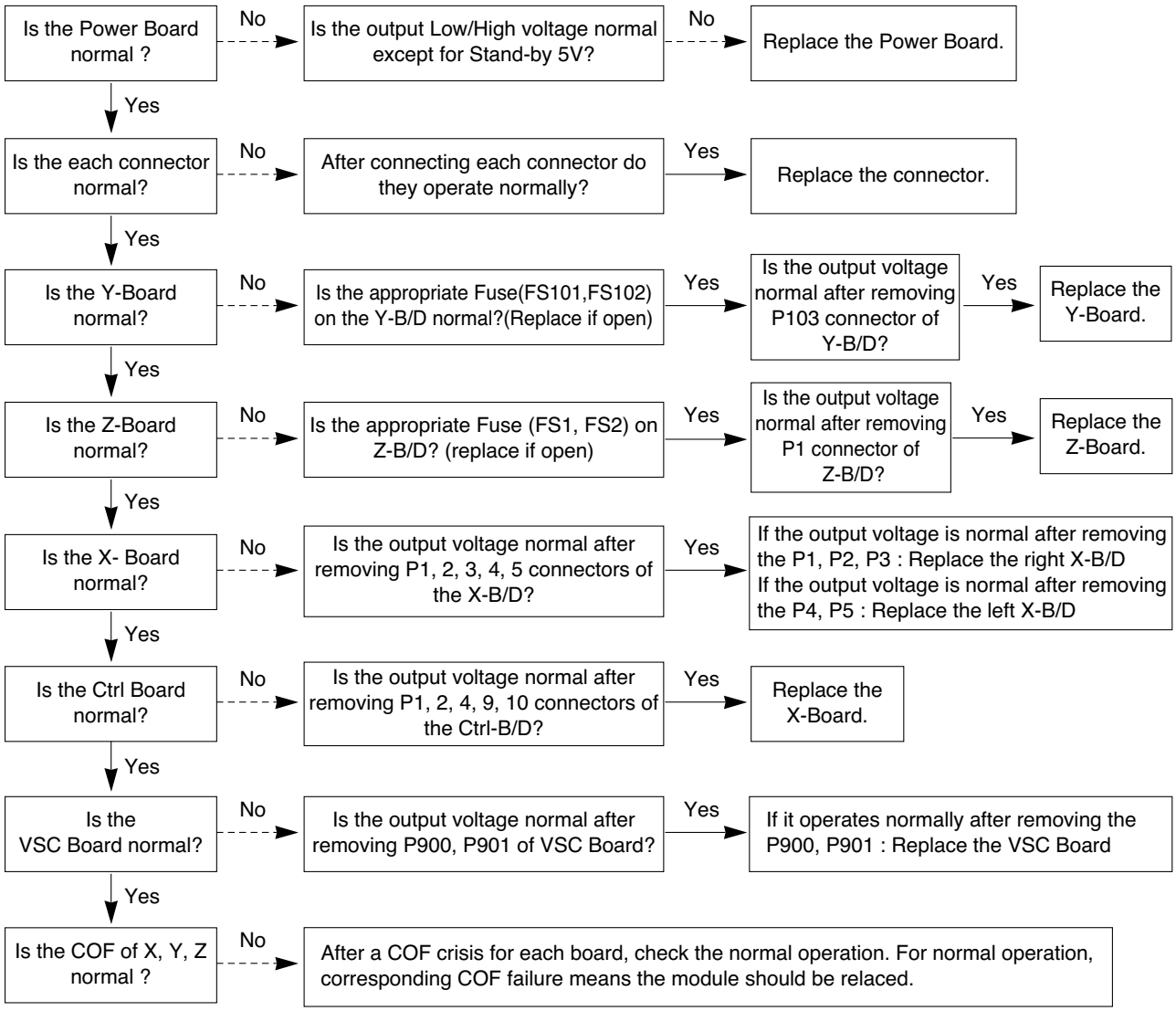
3. Protect Mode

(1) Symptom

1) After lighting up once, it does not discharge minutely from module.
2) The rely falls.(there is an audible “click”)
3) The color of the front LED turns from green to red.



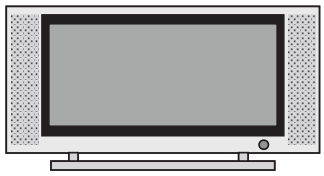
(2) Procedure check



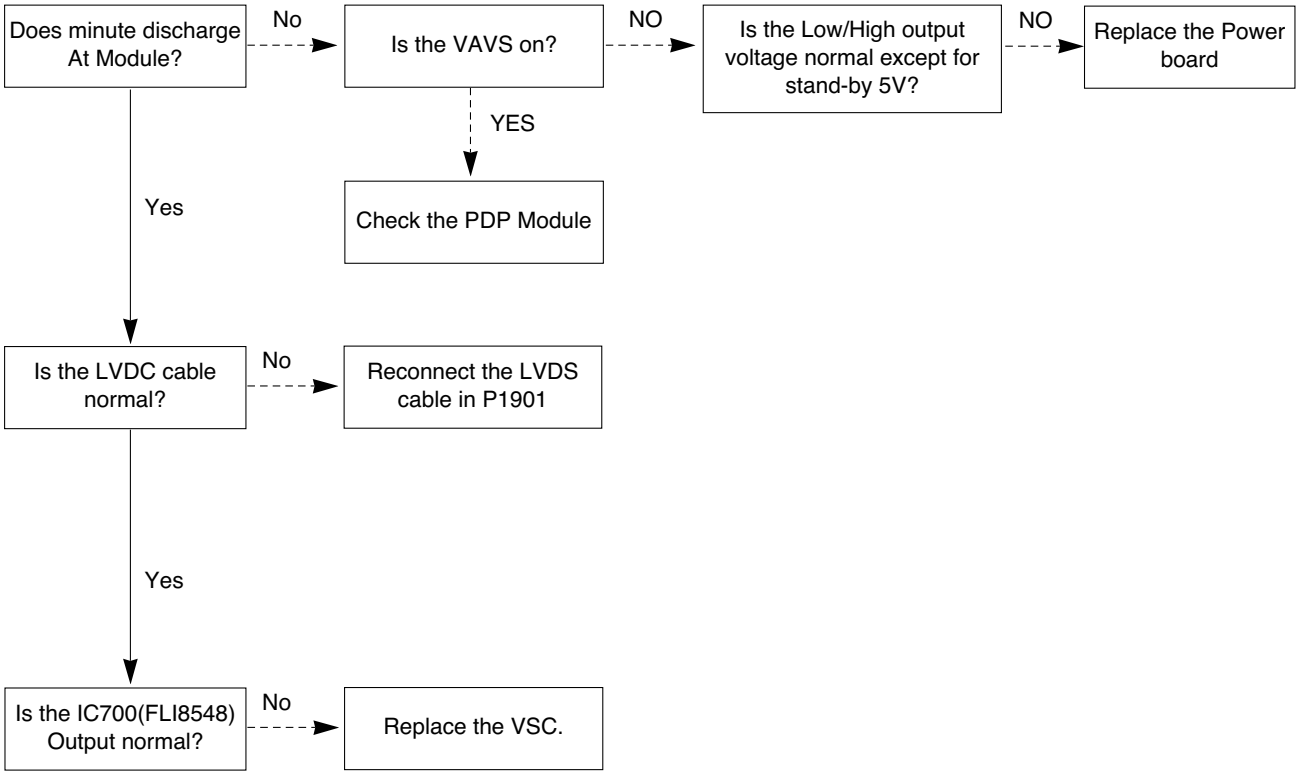
4. No Raster

(1) Symptom

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

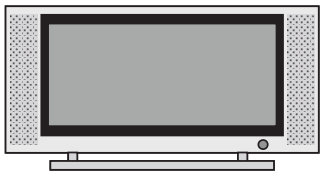


(2) Procedure check



5. In case of strange screen display in specific modes

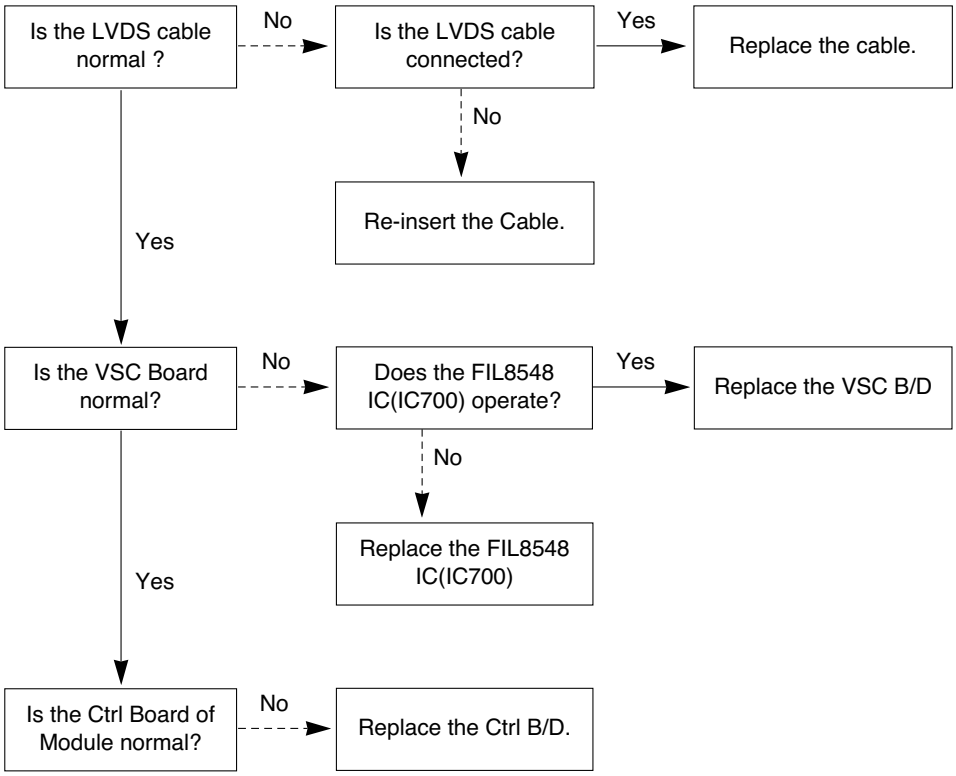
5-1. In case of no OSD display



(1) Symptom

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

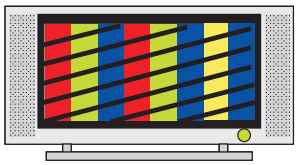
(2) Procedure check



5-2. In case there is no display on the screen in specific modes

(1) Symptom

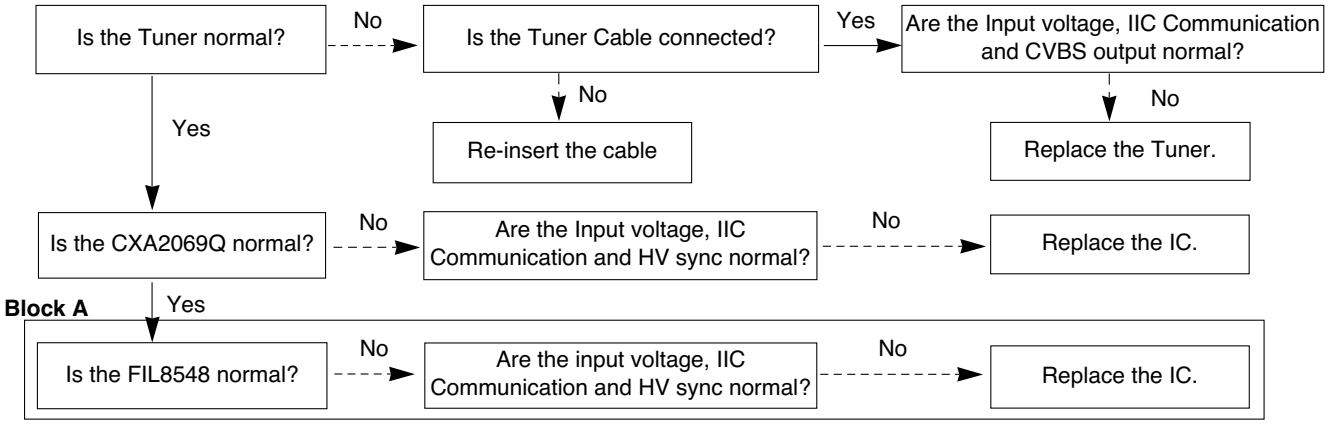
1) There is no screen display from a specific input mode (RF, AV, Component, RGB, DVI).



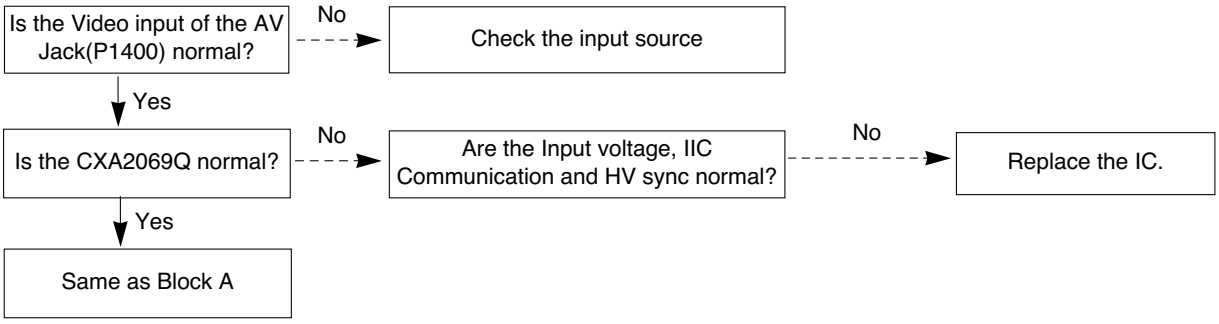
(2) Procedure check

1) Check the all input modes have normal display.

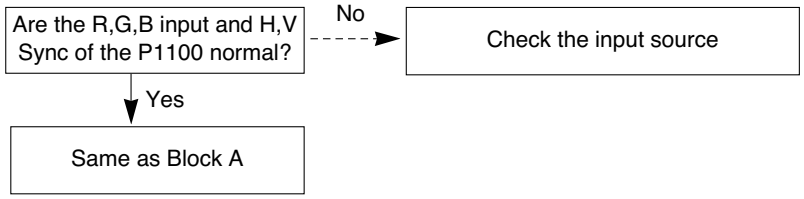
(3) In case of an unusual display in RF mode



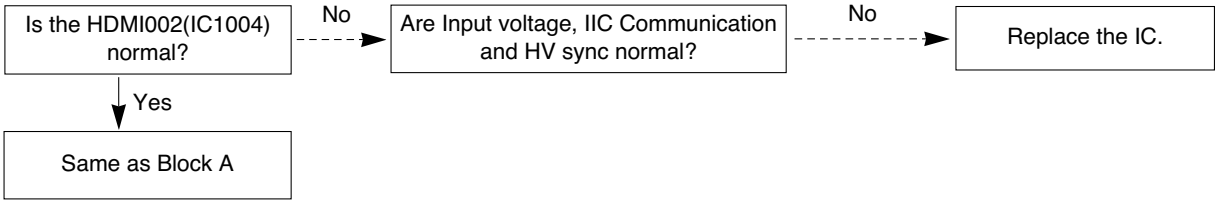
(4) In case of an unusual display in side S-video/ AV mode



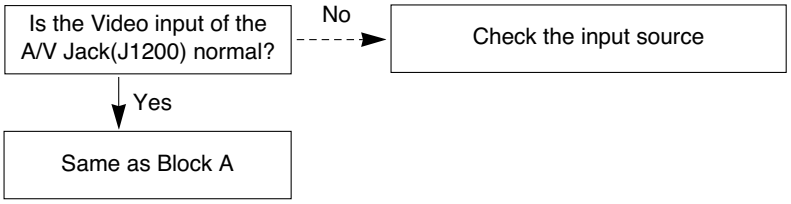
(5) In case of an unusual display in Component, RGB mode



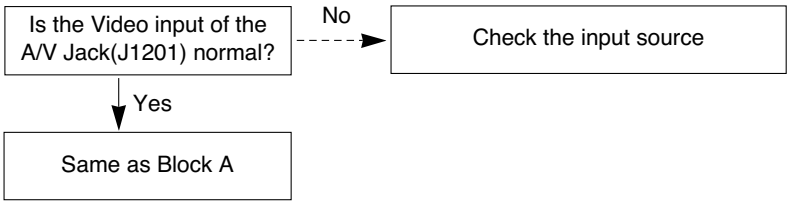
(6) In case of an unusual display in HDMI mode



(7) In case of an unusual display in SCART1 mode



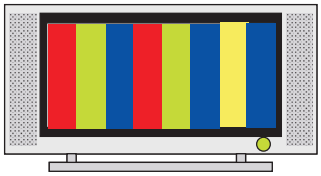
(8) In case of an unusual display in SCART2 mode



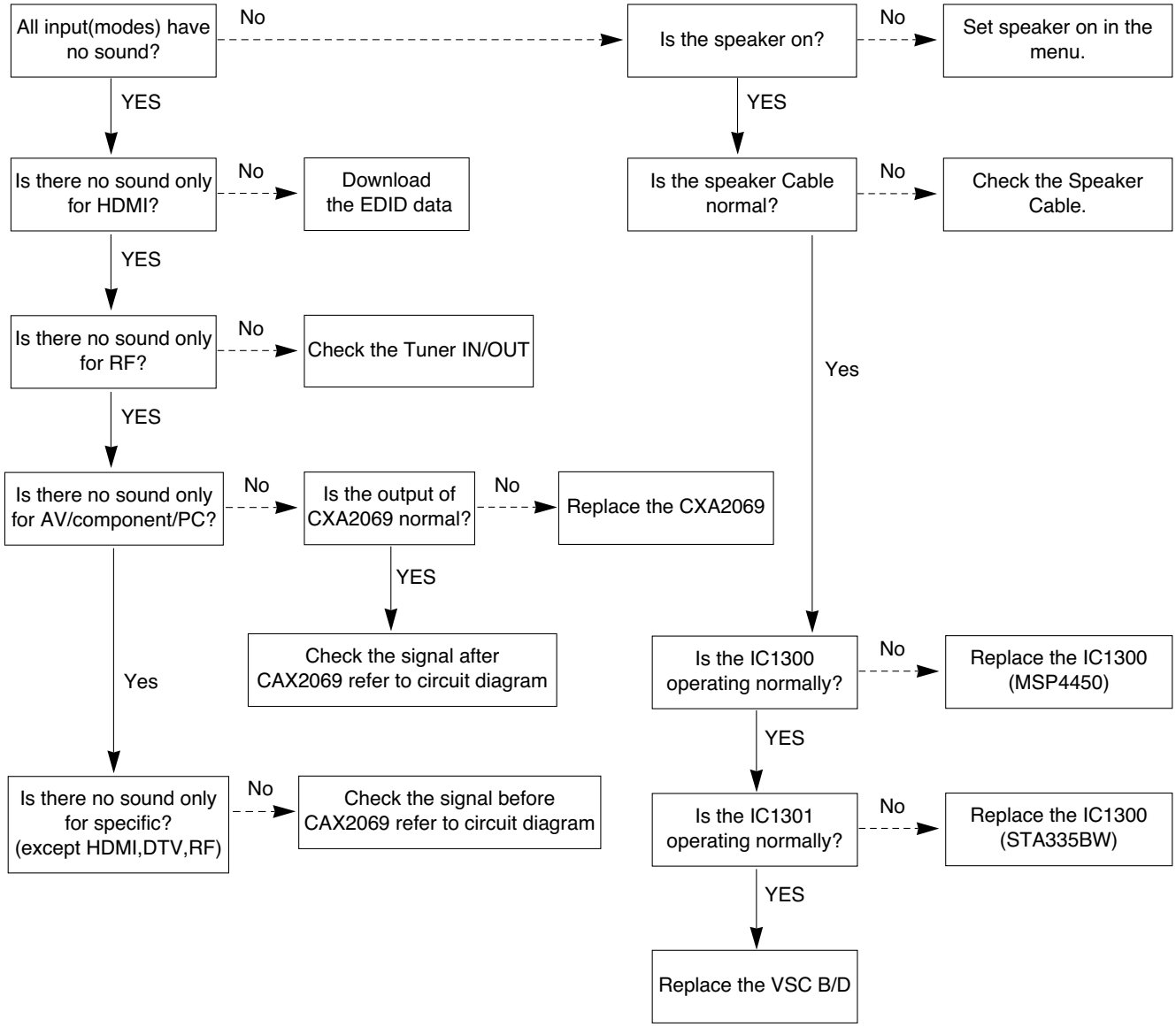
6. In case of no sound

(1) Symptom

1) LED is Green.
2) Screen display appears but there is no sound.



(2) Procedure check

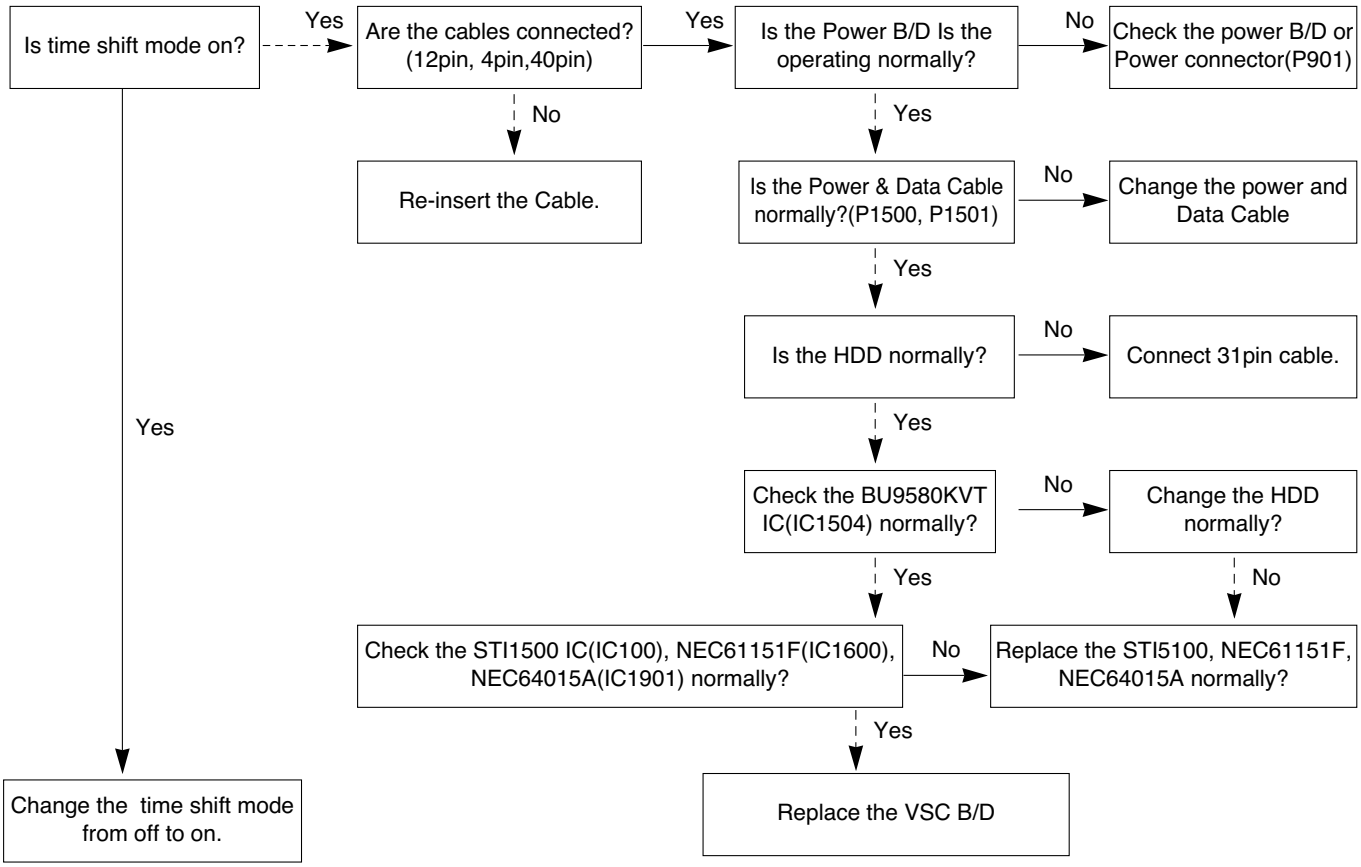


7. Time shift Mode (DVR BOARD)

(1) Symptom

1) Does not work time shift mode.
2) Can not enter to recorded list.
3) Can not record AV/RF.

(2) Follow check

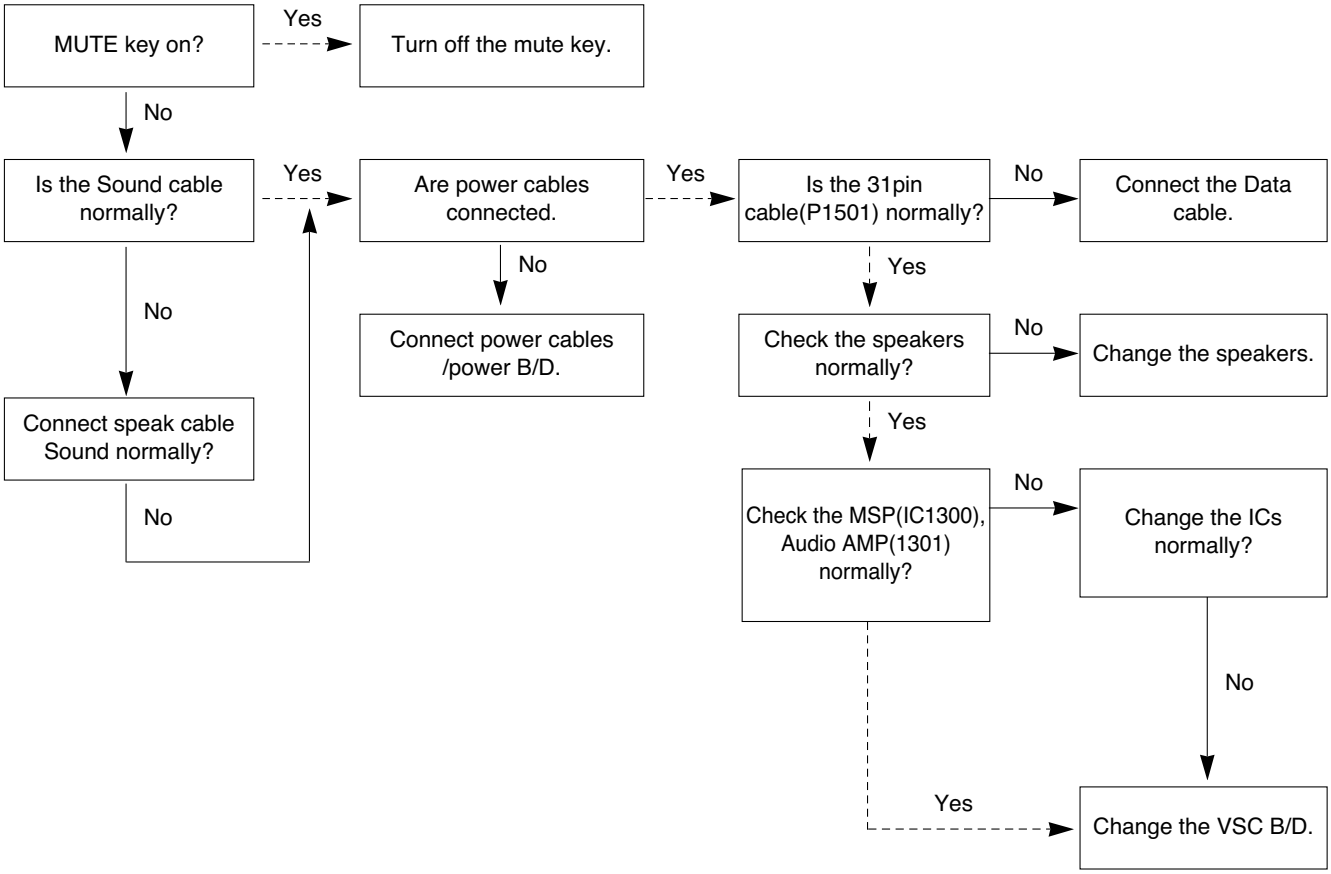


8. Time shift sound and Recorded video sound (DVR BOARD)

(1) Symptom

1) SOUND does not come out.

(2) Follow check

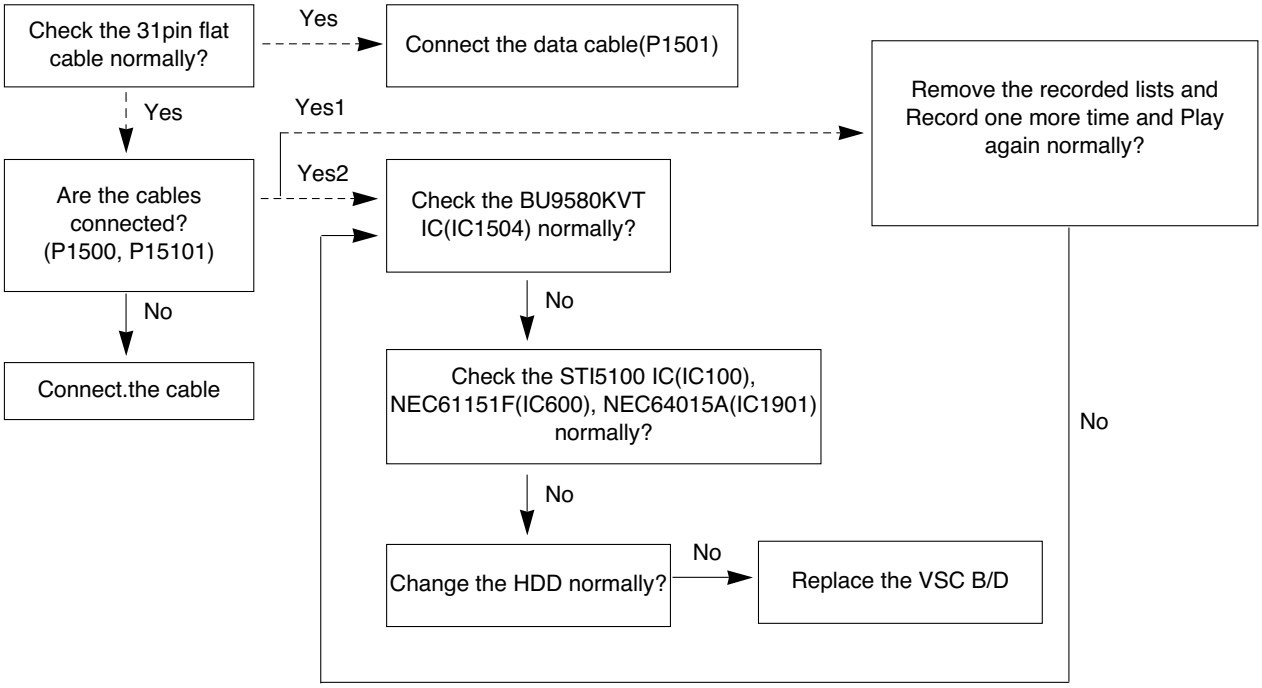


9. Recorded video (DVR BOARD)

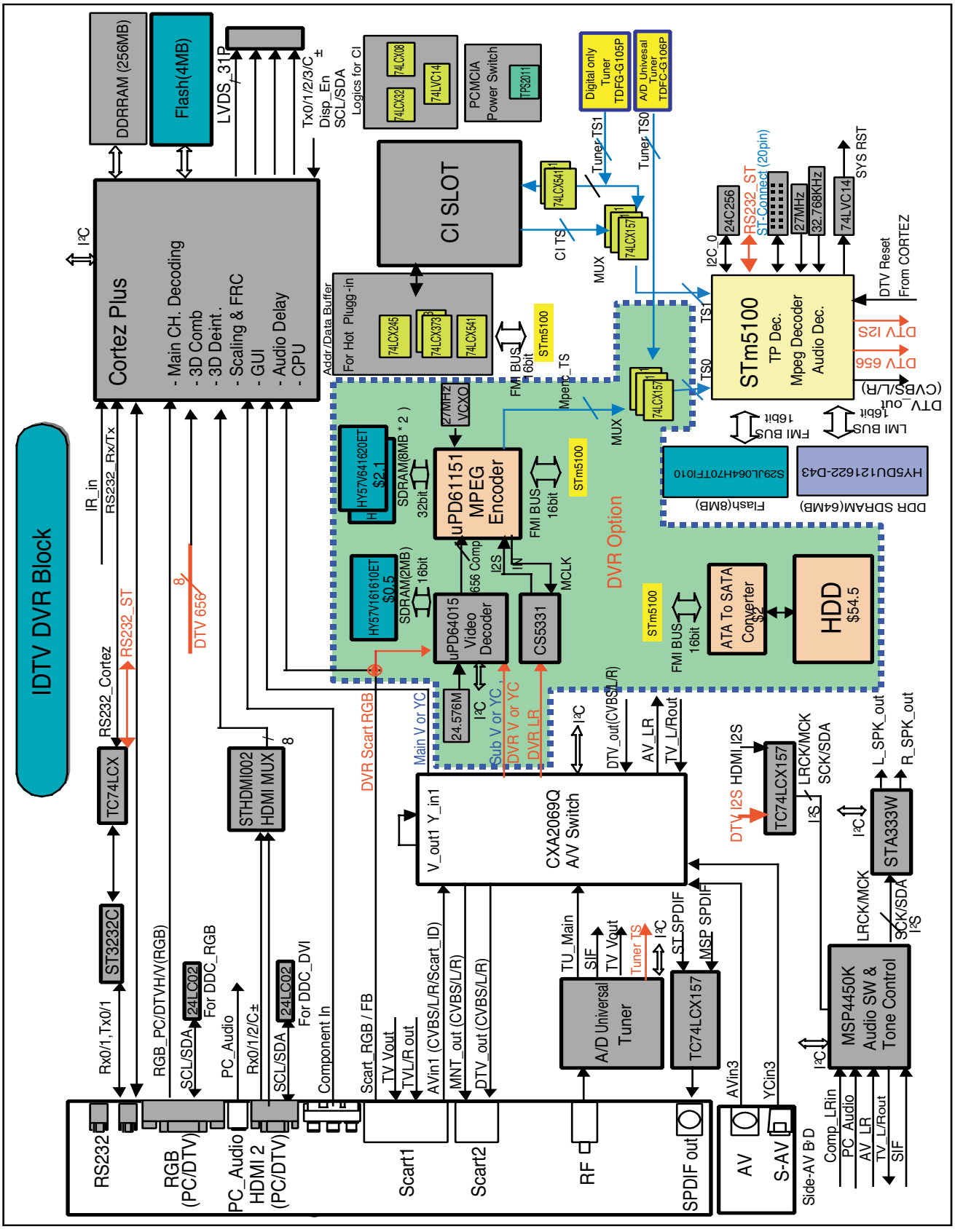
(1) Symptom

1) Can not play the recorded video.

(2) Follow check

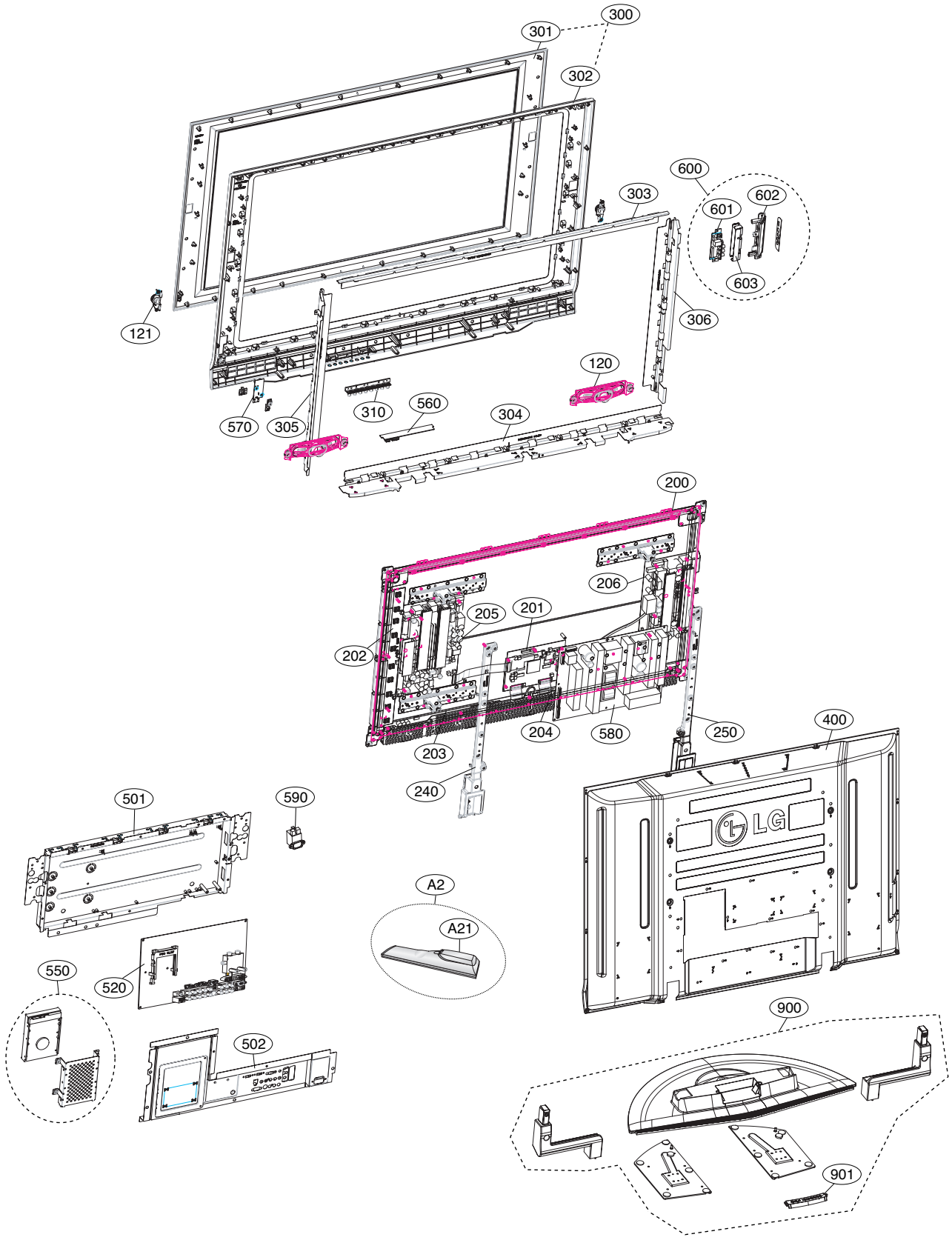


BLOCK DIAGRAM



MEMO

EXPLODED VIEW



EXPLODED VIEW PARTS LIST

The components identified by mark ⚠ is critical for safety.
Replace only with part number specified.

No.	Part No.	Descriptions
120	EAB33775101	Speaker, Full Range EN1562C-6712 ND 10W 8OHM 82DB 100HZ 193.5 X 42 X 39.9 LUG KOREA TOPTONE
121	EAB33893101	Speaker, Tweeter EN10D-6714 ND 10W 8OHM 82DB 0HZ 68 X 23 X 22.7 LUG KOREA TOPTONE
⚠ 200	EAJ33726301	PDP, Module-XGA PDP42X40201.AKLGG XGA 42INCH 1024X768 16/9 PDP DIVISION
⚠ 201	6871QCH089A	PCB Assembly, 6871QCH089A CTRL ASS'Y 42 X4 PDP DIVISION
⚠ 202	6871QDH127A	PCB Assembly, 6871QDH127A YDRV ASS'Y 42 X4 PDP DIVISION
⚠ 203	6871QLH072A	PCB Assembly, 6871QLH072A XRLT ASS'Y 42 X4 XL PDP DIVISION
⚠ 204	6871QRH082A	PCB Assembly, 6871QRH082A XRRT ASS'Y 42 X4 XR PDP DIVISION
⚠ 205	6871QYH063A	PCB Assembly, 6871QYH063A YSUS ASS'Y 42 X4 2L PDP DIVISION
⚠ 206	6871QZH067A	PCB Assembly, 6871QZH067A ZSUS ASS'Y 42 X4 2L PDP DIVISION
240	AJJ31816101	Supporter Assembly, 42PB4 SUPP.MODULE VERTICAL ASSY_Right
250	AJJ31816201	Supporter Assembly, 42PB4 SUPP.MODULE VERTICAL ASSY_Left
⚠ 300	ABJ31082301	Cabinet Assembly, 42PB4 Pacific 2 42"
⚠ 301	ADV31041201	Frame Assembly, 42PB4 Pacific2 42" Frame Ass'y
⚠ 302	MBH32559201	Cabinet, MOLD ABS 42PB4 ABS non
303	AJJ31041601	Supporter Assembly, 42PB4 Filter Supporter Top Assy
304	AJJ31041701	Supporter Assembly, 42PB4 Filter Supporter Bottom Assy
305	AJJ31041801	Supporter Assembly, 42PB4 Filter Supporter Right Assy
306	AJJ31041901	Supporter Assembly, 42PB4 Filter Supporter Left Assy
310	MBG32788501	Button, MOLD ABS CONTROL PC5/PB4 ABS 8KEY
⚠ 400	ACQ31041501	Cover Assembly, Rear 42PB4 Pacific2 42"
501	AGU30996801	Plate Assembly, AV 60PY30, Plate Tuner Bottom Assy.
502	AGU30996907	Plate Assembly, REAR AV Plate Tuner Cover Assy. Digital, 42PB4, Europass3, DVR
520	EBR38198801	Hand Insert PCB Assembly, Main MAIN M.I PP79A 42PB4RT-TB - 42PB4RT-TB Hand Insert PCB Assembly
550	EBT38199601	Chassis Assembly, SUB PP79A 42PB4RT-TB HDD Chassis Assembly
560	EBR38051401	PCB Assembly, Sub CONTROL T.T PP79A 42PB4RT-TB - CONTROL KEY TOTAL
570	EBR38052701	PCB Assembly, Sub SUB T.T PP79A 42PB4RT-TB - PREAMP
⚠ 580	EAY32927901	SMPS, 1H371W 100VTO240V 400W 50 TO 60HZ UL/CE/TUV - SANKEN ELECTRIC CO
590	EAM35012703	Filter, AC Line IF2-N06CEWL2 5.3mH 250VAC 6A 0.22uF 1000pF VDE/CSA/K/CCC 450/130MM CORE ADDTION
600	EBT38155301	Chassis Assembly, SUB PP79A 42PB4RT-TB SIDE AV/USB SUB ASSY
601	EBR38017001	Hand Insert PCB Assembly, SUB M.I PP79A 42PB4RT - SATURN SIDE AV/USB
602	ABA30998703	Bracket Assembly, AV PY30 AB E3_SIDE AV BRACKET ASSY, USA,With USB
603	MGJ32323501	Plate, Shield PRESS AL 1.0 SHIELD AL E3 PY30 SHIELD,SIDE AV
⚠ 900	AAN31626701	Base Assembly, ASSY 42PC5 - FIXED STAND
901	MCK32604801	Cover, MOLD ABS 42PC5 ABS CABLE MANAGEMENT
A2	MKJ39170801	Remote Controller, COMPLEX PP79A 32/37/42LB5RT-TB ,42/50/60PB4RT-TB H4 ANALOG PVR R/C
A21	3550V00590A	Cover, MOLD ABS BATTERY TN-50PY20 ABS 6710V00142

REPLACEMENT PARTS LIST

DATE: 2007. 09. 01.

LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
CAPACITORs		
C100	0CC101CK41A	C1608C0G1H101JT 100pF 5% 50V C0G
C100	0CH5470K618	0402N470M500LT 47pF 5% 50V C0G -5
C100	0CC101CK41A	C1608C0G1H101JT 100pF 5% 50V C0G
C1003	0CK103BH56A	C1005X7R1E103KT- 10nF 10% 25V X7R
C1004	0CK103BH56A	C1005X7R1E103KT- 10nF 10% 25V X7R
C1005	0CK103BH56A	C1005X7R1E103KT- 10nF 10% 25V X7R
C1006	0CK103BH56A	C1005X7R1E103KT- 10nF 10% 25V X7R
C1007	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C1008	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C1009	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C101	0CE108CD618	SHL5.0TP10VB1000M 1000uF 20% 10V
C101	0CC101CK41A	C1608C0G1H101JT 100pF 5% 50V C0G
C101	0CK103BH56A	C1005X7R1E103KT- 10nF 10% 25V X7R
C1010	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C102	0CE106WFKDC	MVK4.0TP16VC10M 10uF 20% 16V 16MA
C103	0CE108CD618	SHL5.0TP10VB1000M 1000uF 20% 10V
C103	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C104	0CK105CD56A	C1608X7R1A105KT 1uF 10% 10V X7R -
C104	0CC330CK41A	C1608C0G1H330JT 33pF 5% 50V C0G -
C105	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C106	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C1068	0CE107WF6DC	MVK6.3TP16VC100M 100uF 20% 16V 11
C107	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C108	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C110	0CE106WFKDC	MVK4.0TP16VC10M 10uF 20% 16V 16MA
C1104	0CK103BH56A	C1005X7R1E103KT- 10nF 10% 25V X7R
C1105	0CK103BH56A	C1005X7R1E103KT- 10nF 10% 25V X7R
C1106	0CC120CK41A	C1608C0G1H120JT 12pF 5% 50V C0G -
C1108	0CC120CK41A	C1608C0G1H120JT 12pF 5% 50V C0G -
C111	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C1116	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C1119	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C112	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C1120	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C1121	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C1123	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C1125	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C1128	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C113	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C1132	0CC681CK41A	C1608C0G1H681JT 680pF 5% 50V C0G
C1133	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C1134	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C114	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C115	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C116	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C117	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C118	0CE106WFKDC	MVK4.0TP16VC10M 10uF 20% 16V 16MA
C119	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C120	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R

LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
C1205	0CK393CK56A	0603B393K500CT 39nF 10% 50V X7R -
C1206	0CK102BK56A	0402B102K500CT 1nF 10% 50V X7R -5
C1207	0CK393CK56A	0603B393K500CT 39nF 10% 50V X7R -
C1208	0CK102BK56A	0402B102K500CT 1nF 10% 50V X7R -5
C121	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C1217	0CE106WH6DC	MVK5.0TP25VC10M 10uF 20% 25V 25MA
C122	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C1225	0CE106WH6DC	MVK5.0TP25VC10M 10uF 20% 25V 25MA
C123	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C1232	0CE227WF6DC	MVK8.0TP16VC220M 220uF 20% 16V 80
C1234	0CK102BK56A	0402B102K500CT 1nF 10% 50V X7R -5
C1235	0CK102BK56A	0402B102K500CT 1nF 10% 50V X7R -5
C1236	0CE106WH6DC	MVK5.0TP25VC10M 10uF 20% 25V 25MA
C1237	0CE106WH6DC	MVK5.0TP25VC10M 10uF 20% 25V 25MA
C1239	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C124	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C1244	0CK103BH56A	C1005X7R1E103KT- 10nF 10% 25V X7R
C1246	0CK103BH56A	C1005X7R1E103KT- 10nF 10% 25V X7R
C125	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C1250	0CE476WF6DC	MVK6.3TP16VC47M 47uF 20% 16V 80MA
C1251	0CK104DK56A	0805B104K500CT 100nF 10% 50V X7R
C1252	0CE476WF6DC	MVK6.3TP16VC47M 47uF 20% 16V 80MA
C1253	0CK104DK56A	0805B104K500CT 100nF 10% 50V X7R
C1254	0CE476WF6DC	MVK6.3TP16VC47M 47uF 20% 16V 80MA
C1255	0CK104DK56A	0805B104K500CT 100nF 10% 50V X7R
C1256	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C126	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C127	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C128	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C129	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C130	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C1300	0CK105DH56A	C2012X7R105KFT 1uF 10% 25V X7R -5
C1301	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C1303	0CK105DH56A	C2012X7R105KFT 1uF 10% 25V X7R -5
C1304	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C1305	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C1306	0CK222BKG6A	0402B222K500CT 2.2nF 10% 50V X7R
C1307	0CK682CK51A	C1608Y5P1H682KT 6.8nF 10% 50V Y5P
C1308	0CK682CK51A	C1608Y5P1H682KT 6.8nF 10% 50V Y5P
C1309	0CE475WK6DC	MVK5.0TP50VC4.7M 4.7uF 20% 50V 19
C131	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C1310	0CE475WK6DC	MVK5.0TP50VC4.7M 4.7uF 20% 50V 19
C1311	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C1312	0CK103BH56A	C1005X7R1E103KT- 10nF 10% 25V X7R
C1313	0CE226WF6DC	MVK5.0TP16VC22M 22uF 20% 16V 30MA
C1314	0CC030CK01A	0603N3R0C500LT 3pF 0.25PF 50V C0G
C1315	0CC030CK01A	0603N3R0C500LT 3pF 0.25PF 50V C0G
C1316	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C1317	0CC560BK41A	C1005C0G1H560JT 56pF 5% 50V C0G -
C1318	0CC560BK41A	C1005C0G1H560JT 56pF 5% 50V C0G -

LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
C1319	0CE335WK6D8	MVK4.0TP50VC3.3M 3.3uF 20% 50V 14
C132	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C1320	0CK474CH94A	0603F474Z250CT 470nF -20TO+80% 25
C1321	0CK474CH94A	0603F474Z250CT 470nF -20TO+80% 25
C1322	0CK103BH56A	C1005X7R1E103KT- 10nF 10% 25V X7R
C1325	0CE226WF6DC	MVK5.0TP16VC22M 22uF 20% 16V 30MA
C1326	0CK474CH94A	0603F474Z250CT 470nF -20TO+80% 25
C1327	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C1329	0CK474CH94A	0603F474Z250CT 470nF -20TO+80% 25
C133	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C1330	0CK103BH56A	C1005X7R1E103KT- 10nF 10% 25V X7R
C1332	0CK474CH94A	0603F474Z250CT 470nF -20TO+80% 25
C1333	0CK101BK4EA	C1005C0G1H101JT 100pF 5% 50V C0G
C1335	0CK474CH94A	0603F474Z250CT 470nF -20TO+80% 25
C1338	0CK471BK56A	C1005X7R1H471KT 470pF 10% 50V X7R
C134	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C1340	0CK103BH56A	C1005X7R1E103KT- 10nF 10% 25V X7R
C1341	0CE335WK6D8	MVK4.0TP50VC3.3M 3.3uF 20% 50V 14
C1342	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C1343	0CE107WF6DC	MVK6.3TP16VC100M 100uF 20% 16V 11
C1344	0CE106WH6DC	MVK5.0TP25VC10M 10uF 20% 25V 25MA
C1345	0CE106WH6DC	MVK5.0TP25VC10M 10uF 20% 25V 25MA
C1346	0CK474CH94A	0603F474Z250CT 470nF -20TO+80% 25
C1347	0CK474CH94A	0603F474Z250CT 470nF -20TO+80% 25
C135	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C1350	0CE106WFKDC	MVK4.0TP16VC10M 10uF 20% 16V 16MA
C1351	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C1352	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C1353	0CK222BKG6A	0402B222K500CT 2.2nF 10% 50V X7R
C1354	0CK102BK56A	0402B102K500CT 1nF 10% 50V X7R -5
C1355	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C1356	0CK101BK4EA	C1005C0G1H101JT 100pF 5% 50V C0G
C1357	0CC221BKFAA	C1005C0G1H221JT 220pF 5% 50V C0G
C1358	0CH2122K516	0805B122K500CT 1.2nF 10% 50V Y5P
C1359	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C136	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C1360	0CC331CK41A	C1608C0G1H331JT 330pF 5% 50V C0G
C1361	0CC331CK41A	C1608C0G1H331JT 330pF 5% 50V C0G
C1362	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C1363	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C1364	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C1365	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C1366	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C1367	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C1368	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C1369	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C137	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C1370	0CK474EK66A	C3216X7R1H474MT 470nF 20% 50V X7R
C1371	0CK474EK66A	C3216X7R1H474MT 470nF 20% 50V X7R
C1373	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C1374	0CE108EH618	KMG5.0TP25VB1000M 1000uF 20% 25V
C1375	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C1376	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C1377	EAE32755801	CL31A106K5HNNNE 10uF 10% 16V X5R
C1378	0CH5470K618	0402N470M500LT 47pF 5% 50V C0G -5

LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
C1379	0CE106WFKDC	MVK4.0TP16VC10M 10uF 20% 16V 16MA
C138	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C1380	0CE106WFKDC	MVK4.0TP16VC10M 10uF 20% 16V 16MA
C1381	0CK103BH56A	C1005X7R1E103KT- 10nF 10% 25V X7R
C1382	0CK682CK51A	C1608Y5P1H682KT 6.8nF 10% 50V Y5P
C1383	0CK682CK51A	C1608Y5P1H682KT 6.8nF 10% 50V Y5P
C1384	0CE475WK6DC	MVK5.0TP50VC4.7M 4.7uF 20% 50V 19
C1385	0CE475WK6DC	MVK5.0TP50VC4.7M 4.7uF 20% 50V 19
C139	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C140	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C1400	0CE475WK6DC	MVK5.0TP50VC4.7M 4.7uF 20% 50V 19
C1401	0CE475WK6DC	MVK5.0TP50VC4.7M 4.7uF 20% 50V 19
C1402	0CK682CK51A	C1608Y5P1H682KT 6.8nF 10% 50V Y5P
C1403	0CK682CK51A	C1608Y5P1H682KT 6.8nF 10% 50V Y5P
C1404	0CK103BH56A	C1005X7R1E103KT- 10nF 10% 25V X7R
C1407	0CE226WF6DC	MVK5.0TP16VC22M 22uF 20% 16V 30MA
C1408	0CE107WF6DC	MVK6.3TP16VC100M 100uF 20% 16V 11
C1409	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C141	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C1410	0CE476WF6DC	MVK6.3TP16VC47M 47uF 20% 16V 80MA
C1411	0CK103BH56A	C1005X7R1E103KT- 10nF 10% 25V X7R
C1412	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C1413	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C1418	0CK474CH94A	0603F474Z250CT 470nF -20TO+80% 25
C1419	0CK474CH94A	0603F474Z250CT 470nF -20TO+80% 25
C142	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C1420	0CK225DFK4A	C2012Y5V1C225MT 2.2uF 20% 16V Y5V
C1421	0CC820CK41A	C1608C0G1H820JT 82pF 5% 50V C0G -
C1422	0CK474CH94A	0603F474Z250CT 470nF -20TO+80% 25
C1423	0CK474CH94A	0603F474Z250CT 470nF -20TO+80% 25
C1426	0CK474CH94A	0603F474Z250CT 470nF -20TO+80% 25
C1428	0CK225DFK4A	C2012Y5V1C225MT 2.2uF 20% 16V Y5V
C1429	0CK474CH94A	0603F474Z250CT 470nF -20TO+80% 25
C143	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C1438	0CK103BH56A	C1005X7R1E103KT- 10nF 10% 25V X7R
C1439	0CK474CH94A	0603F474Z250CT 470nF -20TO+80% 25
C144	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C1440	0CK225DFK4A	C2012Y5V1C225MT 2.2uF 20% 16V Y5V
C1441	0CK474CH94A	0603F474Z250CT 470nF -20TO+80% 25
C1442	0CK225DFK4A	C2012Y5V1C225MT 2.2uF 20% 16V Y5V
C1444	0CK474CH94A	0603F474Z250CT 470nF -20TO+80% 25
C1445	0CK225DFK4A	C2012Y5V1C225MT 2.2uF 20% 16V Y5V
C1447	0CK474CH94A	0603F474Z250CT 470nF -20TO+80% 25
C1448	0CK474CH94A	0603F474Z250CT 470nF -20TO+80% 25
C1449	0CK225DFK4A	C2012Y5V1C225MT 2.2uF 20% 16V Y5V
C145	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C146	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C147	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C148	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C149	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C150	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C1501	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C1502	EAE37992001	CS1005C0G240J400NR 24pF 5% 50V C0
C1504	EAE37992001	CS1005C0G240J400NR 24pF 5% 50V C0
C1508	0CK103BH56A	C1005X7R1E103KT- 10nF 10% 25V X7R

LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
C151	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C1510	0CK103BH56A	C1005X7R1E103KT- 10nF 10% 25V X7R
C1511	0CK103BH56A	C1005X7R1E103KT- 10nF 10% 25V X7R
C1512	0CK103BH56A	C1005X7R1E103KT- 10nF 10% 25V X7R
C1517	EAE32755801	CL31A106K5HNNNE 10uF 10% 16V X5R
C1519	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C152	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C1520	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C1521	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C1522	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C1523	EAE32755801	CL31A106K5HNNNE 10uF 10% 16V X5R
C1524	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C1526	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C1527	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C153	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C154	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C155	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C156	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C157	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C158	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C159	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C160	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C1601	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C1603	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C1604	0CE107WF6DC	MVK6.3TP16VC100M 100uF 20% 16V 11
C1605	0CE107WF6DC	MVK6.3TP16VC100M 100uF 20% 16V 11
C1606	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R
C1607	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R
C1608	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R
C1609	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R
C161	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C1610	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R
C1611	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R
C1612	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R
C1613	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R
C1614	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R
C1615	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R
C1616	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R
C1617	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R
C1618	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R
C1619	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R
C162	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C1620	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R
C1621	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R
C1622	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R
C1623	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R
C1624	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R
C1625	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R
C1626	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R
C1627	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R
C1628	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R
C1629	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R
C163	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C1630	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R
C1631	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R

LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
C1632	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R
C1633	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R
C1634	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R
C1635	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R
C1636	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R
C1637	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R
C1638	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R
C1639	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R
C164	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C1640	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R
C1641	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R
C1642	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R
C1643	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R
C1644	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R
C1645	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R
C1646	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R
C1647	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R
C1648	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R
C1649	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R
C165	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C1650	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R
C1651	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R
C1652	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R
C1653	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R
C1654	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R
C1655	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R
C1656	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R
C1657	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R
C1658	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R
C1659	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R
C166	EAE32755801	CL31A106K5HNNNE 10uF 10% 16V X5R
C1660	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R
C1661	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R
C1662	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R
C1663	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R
C167	EAE32755801	CL31A106K5HNNNE 10uF 10% 16V X5R
C168	EAE32755801	CL31A106K5HNNNE 10uF 10% 16V X5R
C169	0CC180CK41A	C1608C0G1H180JT 18pF 5% 50V C0G -
C170	0CC180CK41A	C1608C0G1H180JT 18pF 5% 50V C0G -
C1700	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C1701	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C1702	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C1703	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C1705	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C1706	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C1707	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C1708	0CE226WF6DC	MVK5.0TP16VC22M 22uF 20% 16V 30MA
C1709	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C171	0CK103BH56A	C1005X7R1E103KT- 10nF 10% 25V X7R
C1710	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C1712	0CC100BKF1A	0402N100J500LT 10pF 5% 50V C0G -5
C172	0CK103BH56A	C1005X7R1E103KT- 10nF 10% 25V X7R
C173	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C174	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C175	0CK103BH56A	C1005X7R1E103KT- 10nF 10% 25V X7R

LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
C176	0CK103BH56A	C1005X7R1E103KT- 10nF 10% 25V X7R
C177	0CK103BH56A	C1005X7R1E103KT- 10nF 10% 25V X7R
C178	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C179	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C180	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C181	0CE106WFKDC	MVK4.0TP16VC10M 10uF 20% 16V 16MA
C182	0CK105CD56A	C1608X7R1A105KT 1uF 10% 10V X7R -
C183	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C184	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C185	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C186	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C187	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C188	0CK103BH56A	C1005X7R1E103KT- 10nF 10% 25V X7R
C189	0CK103BH56A	C1005X7R1E103KT- 10nF 10% 25V X7R
C190	0CK103BH56A	C1005X7R1E103KT- 10nF 10% 25V X7R
C1900	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C1901	0CK103BH56A	C1005X7R1E103KT- 10nF 10% 25V X7R
C1902	0CK102BK56A	0402B102K500CT 1nF 10% 50V X7R -5
C1902	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C1903	0CK102BK56A	0402B102K500CT 1nF 10% 50V X7R -5
C1903	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C1904	0CK102BK56A	0402B102K500CT 1nF 10% 50V X7R -5
C1904	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C1905	0CE106WFKDC	MVK4.0TP16VC10M 10uF 20% 16V 16MA
C1906	EAE32755801	CL31A106K5HNNNE 10uF 10% 16V X5R
C1907	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C1908	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C1909	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C191	0CK103BH56A	C1005X7R1E103KT- 10nF 10% 25V X7R
C1910	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C1911	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C1912	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C1914	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C1915	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C1916	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C1917	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C1918	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C1919	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C192	0CK103BH56A	C1005X7R1E103KT- 10nF 10% 25V X7R
C1920	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C1921	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C1922	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C1923	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C1924	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C1925	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C1926	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C1927	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C1928	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C1929	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C193	0CK822CK46A	0603B822J500CT 8.2nF 10% 50V X7R
C1930	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C1931	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C1932	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C1933	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C1934	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R

LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
C1936	EAE32755801	CL31A106K5HNNNE 10uF 10% 16V X5R
C1937	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C1938	0CK105CD56A	C1608X7R1A105KT 1uF 10% 10V X7R -
C1939	EAE32755801	CL31A106K5HNNNE 10uF 10% 16V X5R
C194	0CK822CK46A	0603B822J500CT 8.2nF 10% 50V X7R
C1940	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C1941	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C1942	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C1943	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C1944	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C1945	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C1946	EAE32755801	CL31A106K5HNNNE 10uF 10% 16V X5R
C1947	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C1948	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C1949	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C195	0CH5220K618	0402N220M500LT 22pF 5% 50V C0G -5
C1950	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C1951	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C1952	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C1953	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C1954	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C1955	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C1956	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C1957	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C1958	0CK103BH56A	C1005X7R1E103KT- 10nF 10% 25V X7R
C1959	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C196	0CC100BKF1A	0402N100J500LT 10pF 5% 50V C0G -5
C1960	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C1961	0CE106WFKDC	MVK4.0TP16VC10M 10uF 20% 16V 16MA
C1962	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C1963	0CE106WFKDC	MVK4.0TP16VC10M 10uF 20% 16V 16MA
C1964	0CH5470K618	0402N470M500LT 47pF 5% 50V C0G -5
C1965	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C1966	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C1967	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C1968	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C1969	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C197	0CK475CC94A	C1608Y5V0J475ZT 4.7uF -20TO+80% 6
C1970	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C1971	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C1972	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C1973	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C1974	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C1975	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C1976	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C1977	0CC180BKFAA	C1005C0G1H180JT 18pF 5% 50V C0G -
C1978	0CC180BKFAA	C1005C0G1H180JT 18pF 5% 50V C0G -
C1979	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C198	0CK475CC94A	C1608Y5V0J475ZT 4.7uF -20TO+80% 6
C1980	EAE32755801	CL31A106K5HNNNE 10uF 10% 16V X5R
C1981	0CH5470K618	0402N470M500LT 47pF 5% 50V C0G -5
C1982	0CK105CD56A	C1608X7R1A105KT 1uF 10% 10V X7R -
C1983	0CE106WFKDC	MVK4.0TP16VC10M 10uF 20% 16V 16MA
C1984	0CE106WFKDC	MVK4.0TP16VC10M 10uF 20% 16V 16MA
C1986	0CH5470K618	0402N470M500LT 47pF 5% 50V C0G -5

LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
C1987	0CK103BH56A	C1005X7R1E103KT- 10nF 10% 25V X7R
C1988	0CH5470K618	0402N470M500LT 47pF 5% 50V C0G -5
C1989	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C199	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C1990	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C1991	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C1992	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C1993	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C1994	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C1995	0CK105CD56A	C1608X7R1A105KT 1uF 10% 10V X7R -
C1996	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C1997	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C1998	0CK105CD56A	C1608X7R1A105KT 1uF 10% 10V X7R -
C1999	0CK105CD56A	C1608X7R1A105KT 1uF 10% 10V X7R -
C200	0CK103BH56A	C1005X7R1E103KT- 10nF 10% 25V X7R
C2001	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C201	0CH5470K618	0402N470M500LT 47pF 5% 50V C0G -5
C202	0CK101BK4EA	C1005C0G1H101JT 100pF 5% 50V C0G
C203	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C204	0CK103BH56A	C1005X7R1E103KT- 10nF 10% 25V X7R
C206	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R
C207	0CK104CF56A	0603B104K160CT 100nF 10% 16V X7R
C209	EAE32755801	CL31A106K5HNNNE 10uF 10% 16V X5R
C212	EAE32755801	CL31A106K5HNNNE 10uF 10% 16V X5R
C213	EAE32755801	CL31A106K5HNNNE 10uF 10% 16V X5R
C216	EAE32755801	CL31A106K5HNNNE 10uF 10% 16V X5R
C218	0CK103BH56A	C1005X7R1E103KT- 10nF 10% 25V X7R
C219	0CK103BH56A	C1005X7R1E103KT- 10nF 10% 25V X7R
C220	0CK103BH56A	C1005X7R1E103KT- 10nF 10% 25V X7R
C221	0CK103BH56A	C1005X7R1E103KT- 10nF 10% 25V X7R
C222	0CK103BH56A	C1005X7R1E103KT- 10nF 10% 25V X7R
C224	0CK103BH56A	C1005X7R1E103KT- 10nF 10% 25V X7R
C226	0CE107WF6DC	MVK6.3TP16VC100M 100uF 20% 16V 11
C227	0CE107WF6DC	MVK6.3TP16VC100M 100uF 20% 16V 11
C228	0CK103BH56A	C1005X7R1E103KT- 10nF 10% 25V X7R
C229	0CK103BH56A	C1005X7R1E103KT- 10nF 10% 25V X7R
C230	0CK103BH56A	C1005X7R1E103KT- 10nF 10% 25V X7R
C231	0CK103BH56A	C1005X7R1E103KT- 10nF 10% 25V X7R
C232	0CK103BH56A	C1005X7R1E103KT- 10nF 10% 25V X7R
C233	0CK103BH56A	C1005X7R1E103KT- 10nF 10% 25V X7R
C301	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C302	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C303	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C306	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C307	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C308	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C309	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C310	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C311	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C312	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C313	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C314	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C409	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C410	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C411	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R

LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
C412	0CE106WFKDC	MVK4.0TP16VC10M 10uF 20% 16V 16MA
C413	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C414	0CE106WFKDC	MVK4.0TP16VC10M 10uF 20% 16V 16MA
C415	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C427	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C429	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C430	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C515	0CE476WF6DC	MVK6.3TP16VC47M 47uF 20% 16V 80MA
C516	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C518	0CK106EF56A	C3216X7R1C106KT 10uF 10% 16V X7R
C520	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C521	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C522	0CE476WF6DC	MVK6.3TP16VC47M 47uF 20% 16V 80MA
C523	0CE476WF6DC	MVK6.3TP16VC47M 47uF 20% 16V 80MA
C525	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C526	0CC561CK41A	C1608C0G1H561JT 560pF 5% 50V C0G
C528	0CE107WF6DC	MVK6.3TP16VC100M 100uF 20% 16V 11
C529	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C530	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C531	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C532	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C533	0CE476WF6DC	MVK6.3TP16VC47M 47uF 20% 16V 80MA
C534	0CE476WF6DC	MVK6.3TP16VC47M 47uF 20% 16V 80MA
C535	0CK105CD56A	C1608X7R1A105KT 1uF 10% 10V X7R -
C537	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C539	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C540	0CK105CD56A	C1608X7R1A105KT 1uF 10% 10V X7R -
C541	0CE476WF6DC	MVK6.3TP16VC47M 47uF 20% 16V 80MA
C542	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C543	0CE476WF6DC	MVK6.3TP16VC47M 47uF 20% 16V 80MA
C544	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C548	0CE107WF6DC	MVK6.3TP16VC100M 100uF 20% 16V 11
C549	0CE107WF6DC	MVK6.3TP16VC100M 100uF 20% 16V 11
C550	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C551	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C553	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C554	0CK105CD56A	C1608X7R1A105KT 1uF 10% 10V X7R -
C555	0CK105CD56A	C1608X7R1A105KT 1uF 10% 10V X7R -
C557	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C558	0CE107WF6DC	MVK6.3TP16VC100M 100uF 20% 16V 11
C559	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C560	0CE476WF6DC	MVK6.3TP16VC47M 47uF 20% 16V 80MA
C561	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C562	0CE107WF6DC	MVK6.3TP16VC100M 100uF 20% 16V 11
C563	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C564	0CE476WF6DC	MVK6.3TP16VC47M 47uF 20% 16V 80MA
C565	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C566	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C567	0CE476WF6DC	MVK6.3TP16VC47M 47uF 20% 16V 80MA
C568	0CK106EF56A	C3216X7R1C106KT 10uF 10% 16V X7R
C569	0CK106EF56A	C3216X7R1C106KT 10uF 10% 16V X7R
C570	0CK106EF56A	C3216X7R1C106KT 10uF 10% 16V X7R
C601	0CK101BK4EA	C1005C0G1H101JT 100pF 5% 50V C0G
C602	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C603	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R -

LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
C604	0CC100CK41A	C1608C0G1H100JT 10pF 5% 50V C0G -
C605	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C606	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C607	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C608	0CK101BK4EA	C1005C0G1H101JT 100pF 5% 50V C0G
C609	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C610	0CC271CK41A	C1608C0G1H271JT 270pF 5% 50V C0G
C613	0CE107WF6DC	MVK6.3TP16VC100M 100uF 20% 16V 11
C614	0CH5470K618	0402N470M500LT 47pF 5% 50V C0G -5
C615	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C616	0CH5470K618	0402N470M500LT 47pF 5% 50V C0G -5
C617	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C618	0CE476WF6DC	MVK6.3TP16VC47M 47uF 20% 16V 80MA
C619	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C620	0CE476WF6DC	MVK6.3TP16VC47M 47uF 20% 16V 80MA
C622	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C625	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C626	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C627	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C629	0CE476WF6DC	MVK6.3TP16VC47M 47uF 20% 16V 80MA
C630	0CK101BK4EA	C1005C0G1H101JT 100pF 5% 50V C0G
C632	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C633	0CK475CC94A	C1608Y5V0J475ZT 4.7uF -20TO+80% 6
C634	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C635	0CK562CK51A	C1608Y5P1H562KT 5.6nF 10% 50V Y5P
C636	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R -
C637	0CK562CK51A	C1608Y5P1H562KT 5.6nF 10% 50V Y5P
C639	0CK103BH56A	C1005X7R1E103KT- 10nF 10% 25V X7R
C640	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C642	0CE476WF6DC	MVK6.3TP16VC47M 47uF 20% 16V 80MA
C643	0CH5470K618	0402N470M500LT 47pF 5% 50V C0G -5
C644	0CH5470K618	0402N470M500LT 47pF 5% 50V C0G -5
C645	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C648	0CE107WF6DC	MVK6.3TP16VC100M 100uF 20% 16V 11
C650	0CK475DD57A	C2012X5R1A475KT 4.7uF 10% 10V X5R
C700	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C701	0CE226WF6DC	MVK5.0TP16VC22M 22uF 20% 16V 30MA
C702	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C703	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C704	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C705	0CE226WF6DC	MVK5.0TP16VC22M 22uF 20% 16V 30MA
C706	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C707	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C708	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C709	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C710	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C711	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C712	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C713	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C714	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C715	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C716	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C717	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C718	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C721	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R

LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
C722	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C723	0CE226WF6DC	MVK5.0TP16VC22M 22uF 20% 16V 30MA
C724	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C725	EAE30281301	CS1005C0G200J400NR 20pF 5% 50V C0
C726	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C727	0CE226WF6DC	MVK5.0TP16VC22M 22uF 20% 16V 30MA
C728	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C729	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C730	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C732	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C733	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C734	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C736	0CE226WF6DC	MVK5.0TP16VC22M 22uF 20% 16V 30MA
C737	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C738	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C739	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C740	0CE226WF6DC	MVK5.0TP16VC22M 22uF 20% 16V 30MA
C741	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C742	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C743	0CE226WF6DC	MVK5.0TP16VC22M 22uF 20% 16V 30MA
C744	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C745	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C746	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C747	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C748	0CK105CD56A	C1608X7R1A105KT 1uF 10% 10V X7R -
C749	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C750	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C751	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C752	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C753	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C754	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C755	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C756	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C757	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C758	0CE226WF6DC	MVK5.0TP16VC22M 22uF 20% 16V 30MA
C759	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C760	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C761	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C762	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C763	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C764	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C765	0CE476WF6DC	MVK6.3TP16VC47M 47uF 20% 16V 80MA
C766	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C767	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C768	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C769	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C770	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C771	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C772	0CK103BH56A	C1005X7R1E103KT- 10nF 10% 25V X7R
C773	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C774	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C775	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C776	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C777	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C778	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R

LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
C779	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C780	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C781	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C782	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C783	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C784	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C785	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C786	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C787	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C788	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C789	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C790	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C791	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C792	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C793	0CE226WF6DC	MVK5.0TP16VC22M 22uF 20% 16V 30MA
C794	0CK103BH56A	C1005X7R1E103KT- 10nF 10% 25V X7R
C795	0CH5220K618	0402N220M500LT 22pF 5% 50V C0G -5
C796	0CE226WF6DC	MVK5.0TP16VC22M 22uF 20% 16V 30MA
C797	0CE476WF6DC	MVK6.3TP16VC47M 47uF 20% 16V 80MA
C798	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C799	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C801	0CE226WF6DC	MVK5.0TP16VC22M 22uF 20% 16V 30MA
C802	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C803	0CE226WF6DC	MVK5.0TP16VC22M 22uF 20% 16V 30MA
C806	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C807	0CK103BH56A	C1005X7R1E103KT- 10nF 10% 25V X7R
C810	0CK103BH56A	C1005X7R1E103KT- 10nF 10% 25V X7R
C812	0CK103BH56A	C1005X7R1E103KT- 10nF 10% 25V X7R
C815	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C818	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C826	0CK103BH56A	C1005X7R1E103KT- 10nF 10% 25V X7R
C828	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C834	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C836	0CK103BH56A	C1005X7R1E103KT- 10nF 10% 25V X7R
C844	0CK103BH56A	C1005X7R1E103KT- 10nF 10% 25V X7R
C850	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R -
C851	0CK225DFK4A	C2012Y5V1C225MT 2.2uF 20% 16V Y5V
C852	0CE107WF6DC	MVK6.3TP16VC100M 100uF 20% 16V 11
C853	0CE107WF6DC	MVK6.3TP16VC100M 100uF 20% 16V 11
C854	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R -
C855	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R -
C856	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R -
C857	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C858	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C859	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C860	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C861	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C862	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C863	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C864	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C865	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C866	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C867	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C868	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C869	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R

LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
C870	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C871	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C872	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C873	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C874	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C875	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C876	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C877	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C878	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C879	0CH3105H946	C2012Y5V1E105ZT 1uF -20TO+80% 25V
C900	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C901	0CE107WF6DC	MVK6.3TP16VC100M 100uF 20% 16V 11
C902	0CC331CK41A	C1608C0G1H331JT 330pF 5% 50V C0G
C903	0CE476WF6DC	MVK6.3TP16VC47M 47uF 20% 16V 80MA
C904	0CK106EF56A	C3216X7R1C106KT 10uF 10% 16V X7R
C905	0CK103BH56A	C1005X7R1E103KT- 10nF 10% 25V X7R
C907	0CE107WF6DC	MVK6.3TP16VC100M 100uF 20% 16V 11
C908	0CC331CK41A	C1608C0G1H331JT 330pF 5% 50V C0G
C909	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R -
C910	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C911	0CK103BH56A	C1005X7R1E103KT- 10nF 10% 25V X7R
C912	0CE476WF6DC	MVK6.3TP16VC47M 47uF 20% 16V 80MA
C914	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C917	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C925	0CE227WF6DC	MVK8.0TP16VC220M 220uF 20% 16V 80
C926	0CE227WF6DC	MVK8.0TP16VC220M 220uF 20% 16V 80
C928	0CE227WF6DC	MVK8.0TP16VC220M 220uF 20% 16V 80
C929	0CE227WF6DC	MVK8.0TP16VC220M 220uF 20% 16V 80
C930	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C931	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C932	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C933	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C934	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C935	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C937	0CE107WF6DC	MVK6.3TP16VC100M 100uF 20% 16V 11
C954	0CE227WF6DC	MVK8.0TP16VC220M 220uF 20% 16V 80
C955	0CK474CH94A	0603F474Z250CT 470nF -20TO+80% 25
C956	0CK474CH94A	0603F474Z250CT 470nF -20TO+80% 25
C960	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C961	0CK106EF56A	C3216X7R1C106KT 10uF 10% 16V X7R
C969	0CE107WF6DC	MVK6.3TP16VC100M 100uF 20% 16V 11
C972	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C977	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C980	0CK103BH56A	C1005X7R1E103KT- 10nF 10% 25V X7R
C981	0CE476WF6DC	MVK6.3TP16VC47M 47uF 20% 16V 80MA
C982	0CK106EF56A	C3216X7R1C106KT 10uF 10% 16V X7R
C983	0CK106EF56A	C3216X7R1C106KT 10uF 10% 16V X7R
C984	0CK106EF56A	C3216X7R1C106KT 10uF 10% 16V X7R
C985	0CK106EF56A	C3216X7R1C106KT 10uF 10% 16V X7R
C986	0CK106EF56A	C3216X7R1C106KT 10uF 10% 16V X7R
C987	0CK106EF56A	C3216X7R1C106KT 10uF 10% 16V X7R
C988	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C989	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R

LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
DIODEs		
D100	EAH33945901	CDS3C30GTH 30V 50V 120V 1.9A 1W S
D1000	0DD184009AA	KDS184 KDS184 TP KEC - 85V - - -
D1001	0DD184009AA	KDS184 KDS184 TP KEC - 85V - - -
D101	EAH33946001	CDS3C05GTA 5.6V 6.4V 19V 1.9A 1W
D102	EAH33946001	CDS3C05GTA 5.6V 6.4V 19V 1.9A 1W
D103	EAH33945901	CDS3C30GTH 30V 50V 120V 1.9A 1W S
D104	EAH33945901	CDS3C30GTH 30V 50V 120V 1.9A 1W S
D900	0DS226009AA	KDS226 1.2V 85V 300MA 2A 4NSEC 15
D902	0DS226009AA	KDS226 1.2V 85V 300MA 2A 4NSEC 15
D906	0DZRM00248A	RLZ8.2B 8.2V 7.78TO8.19V 8OHM 500
ZD1100	EAH33946001	CDS3C05GTA 5.6V 6.4V 19V 1.9A 1W
ZD1101	EAH33946001	CDS3C05GTA 5.6V 6.4V 19V 1.9A 1W
ZD1102	EAH33946001	CDS3C05GTA 5.6V 6.4V 19V 1.9A 1W
ZD1103	EAH33946001	CDS3C05GTA 5.6V 6.4V 19V 1.9A 1W
ZD1104	EAH33945901	CDS3C30GTH 30V 50V 120V 1.9A 1W S
ZD1105	EAH33945901	CDS3C30GTH 30V 50V 120V 1.9A 1W S
ZD1106	EAH33945901	CDS3C30GTH 30V 50V 120V 1.9A 1W S
ZD1107	EAH33945901	CDS3C30GTH 30V 50V 120V 1.9A 1W S
ZD1108	EAH33945901	CDS3C30GTH 30V 50V 120V 1.9A 1W S
ZD1109	EAH33945901	CDS3C30GTH 30V 50V 120V 1.9A 1W S
ZD1110	EAH33945901	CDS3C30GTH 30V 50V 120V 1.9A 1W S
ZD1111	EAH33945901	CDS3C30GTH 30V 50V 120V 1.9A 1W S
ZD1203	EAH33945901	CDS3C30GTH 30V 50V 120V 1.9A 1W S
ZD1211	EAH33946001	CDS3C05GTA 5.6V 6.4V 19V 1.9A 1W
ZD1212	EAH33946001	CDS3C05GTA 5.6V 6.4V 19V 1.9A 1W
ZD1218	EAH33945901	CDS3C30GTH 30V 50V 120V 1.9A 1W S
ZD1219	EAH33945901	CDS3C30GTH 30V 50V 120V 1.9A 1W S
ZD1220	EAH33945901	CDS3C30GTH 30V 50V 120V 1.9A 1W S
ZD1221	EAH33945901	CDS3C30GTH 30V 50V 120V 1.9A 1W S
ZD1222	EAH33945901	CDS3C30GTH 30V 50V 120V 1.9A 1W S
ZD1223	EAH33945901	CDS3C30GTH 30V 50V 120V 1.9A 1W S
ZD1224	EAH33945901	CDS3C30GTH 30V 50V 120V 1.9A 1W S
ZD1226	EAH33945901	CDS3C30GTH 30V 50V 120V 1.9A 1W S
ZD1300	0DZRM00248A	RLZ8.2B 8.2V 7.78TO8.19V 8OHM 500
ZD1402	EAH33945901	CDS3C30GTH 30V 50V 120V 1.9A 1W S
ZD1403	EAH33945901	CDS3C30GTH 30V 50V 120V 1.9A 1W S
ZD1404	EAH33945901	CDS3C30GTH 30V 50V 120V 1.9A 1W S
LEDs		
D1	0DL200000CA	SAM5670(DL-2LRG) ROUND 4.8MM Y-GR
D1500	0DL233309AC	SAM2333 RED/Y-GREEN 2.7V 2.8V 30m
D1600	0DL233309AC	SAM2333 RED/Y-GREEN 2.7V 2.8V 30m
D1601	0DL233309AC	SAM2333 RED/Y-GREEN 2.7V 2.8V 30m
D3	0DL233309AC	SAM2333 RED/Y-GREEN 2.7V 2.8V 30m
D4	0DL233309AC	SAM2333 RED/Y-GREEN 2.7V 2.8V 30m
D901	0DL233309AC	SAM2333 RED/Y-GREEN 2.7V 2.8V 30m
ICs		
IC100	0IPRP00703C	STI5100GUC(CUT3.3) 3.3V 5u 27M PB
IC1002	0IMMRAL014D	AT24C02BN-SH-T 2KBIT 256x8BIT 1.8
IC1003	0IMMRAL014D	AT24C02BN-SH-T 2KBIT 256x8BIT 1.8

LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
IC1004	EAN33595101	STHDMI002A 3.135TO3.465 9NSEC 9NS
IC102	EAN38078001	MC74LCX14DT 2.3VTO3.6V 0.01mA SCH
IC103	0IMP242560A	24LC256T-I/SM 256KBIT 256KX8BIT 2
IC1100	0IMMRAL014D	AT24C02BN-SH-T 2KBIT 256x8BIT 1.8
IC1101	0IPH741400E	74HC14D 2TO6V 0.002mA SCHMITT TRI
IC1102	0IPRP00009A	ICL3232CBNZ 3VTO5.5V - SSOP R/TP
IC1104	EAN38078101	MC74LCX157DTR2G 2.3VTO3.6V 0.01mA
IC1105	EAN38256201	NLASB3157DFT2G 1.6VTO5.5V 2.5NSEC
IC1106	EAN38256201	NLASB3157DFT2G 1.6VTO5.5V 2.5NSEC
IC1300	0IMCRMN028C	MSP4450K-QA-D6 7.6TO8.7V_4.75TO5.
IC1301	0ILNR00261C	STA335BW 5TO26V 0 10% 20W 0W 80dB
IC1302	0ISS455880A	KA4558D 12TO22V 6mV - 0W 400MW 76
IC1400	0ISO206900A	CXA2069Q 8.5TO9.5V - - 1.3W QFP T
IC1504	EAN33402201	BU9580KVT-E2 3.0TO3.6V 55mA 25MHz
IC1600	EAN33576101	UPD61151F1-A02-FN4-A 3VTO3.6V,1.3
IC1601	0IMMR00141A	HY57V641620ETP-6 64MBIT 1MX16BITX
IC1602	0IMMR00141A	HY57V641620ETP-6 64MBIT 1MX16BITX
IC1900	0IPRPCI013A	CS5340-CZZR 1.7TO5.25V 3.1TO5.25V
IC1901	0IPRPNE011B	UPD64015AGM-UEU-A,LF 3VTO3.6V,1.3
IC1902	0ISS455880A	KA4558D 12TO22V 6mV - 0W 400MW 76
IC1903	EAN32236001	M12L16161A-5TG[Shrink 0.11um] 16M
IC1904	0ISTLON037A	NL17SZ17DFT2G 1.65TO5.5V 0.001mA
IC200	0IPMG78391A	SC2595STR 2.3TO5V 0 0W SOIC R/TP
IC202	EAN35525501	HYB25D(C)512160CE5 512MBIT 32M x
IC300	EAN38174101	MC74LCX541DTR2G 2.3VTO3.6V 10uA B
IC301	EAN38091501	MC74LCX244DTR2G 2.3VTO3.6V 0.01mA
IC302	EAN38174101	MC74LCX541DTR2G 2.3VTO3.6V 10uA B
IC303	EAN38091501	MC74LCX244DTR2G 2.3VTO3.6V 0.01mA
IC304	0ISTLPH048A	74LVC245APW 1.2TO3.6V 0.01mA TRAN
IC305	0ISTL00083A	74LCX373MTC 2.0V to 3.6V 10uA LAT
IC306	0ISTL00083A	74LCX373MTC 2.0V to 3.6V 10uA LAT
IC402	0ITO740800C	TC74LCX08FT 2TO3.6V 10uA AND GATE
IC403	0IMCRPH015A	74LVC32AD 1.2TO3.6V 0.01mA OR GAT
IC404	EAN38078001	MC74LCX14DT 2.3VTO3.6V 0.01mA SCH
IC410	EAN38078101	MC74LCX157DTR2G 2.3VTO3.6V 0.01mA
IC500	0IMCRSJ001A	SC1565IST-1.8 2.2TO5.5V 1.8V 0W S
IC501	EAN38059801	BD9130NV 2.7VTO5.5V 1.0VTO2.5V 90
IC502	0IMCRSJ001B	SC1565IST-2.5TR 2.2TO5V 2.5V 0W S
IC503	0IPMGKE030A	KIA78R05F 6TO12V 5V 8W DPAK R/TP
IC504	0IPMGKE031A	KIA78R33F 4TO10V 3.3V 8W DPAK R/T
IC505	0IPMGKE031A	KIA78R33F 4TO10V 3.3V 8W DPAK R/T
IC506	0ISS455880A	KA4558D 12TO22V 6mV - 0W 400MW 76
IC507	0IPMGKE030A	KIA78R05F 6TO12V 5V 8W DPAK R/TP
IC508	0IPMGKE031A	KIA78R33F 4TO10V 3.3V 8W DPAK R/T
IC509	0IPMGRH001D	BA15BC0FP-E2 3TO16V 1.5V 1.2W TO2
IC510	0IPMGKE030A	KIA78R05F 6TO12V 5V 8W DPAK R/TP
IC600	0IPRP00602A	TPS2010ADR 2.7TO5.5V 8.6MSEC 3.4M
IC601	EAN38078101	MC74LCX157DTR2G 2.3VTO3.6V 0.01mA
IC602	EAN38078101	MC74LCX157DTR2G 2.3VTO3.6V 0.01mA
IC603	EAN38078101	MC74LCX157DTR2G 2.3VTO3.6V 0.01mA
IC700	EAN33595901	FLI8548H-LF-BE 300MVTO3.6V,300MVT
IC701	0IMP242560A	24LC256T-I/SM 256KBIT 256KX8BIT 2
IC702	EAN34099701	M2404HEPROM 4KBIT 512 x 8bit 2.5V
IC801	0IMMRIH038B	HYB25D(C)256160CE-5 256MBIT 4MX16
IC804	0IPMG78391A	SC2595STR 2.3TO5V 0 0W SOIC R/TP

LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
IC900	0IPMGFA061A	FAN1587AD33X 4.8TO10.3V 3.3V 0W T
IC901	EAN38059801	BD9130NV 2.7VTO5.5V 1.0VTO2.5V 90
IC902	EAN38059801	BD9130NV 2.7VTO5.5V 1.0VTO2.5V 90
IC904	EAN32662801	KA7809ERTM 35V to 40V 9V 1W DPAK
FILTERs & INDUCTORs		
F1	6210VH0004A	Filter, 6210VH0004A 100OHM 30MM 13MM 34MM
F2	6210VH0004A	Filter, 6210VH0004A 100OHM 30MM 13MM 34MM
L100	6210TCE001G	Filter, HH-1M3216-501JT 500OHM 3.2X1.6X1.
L101	6210TCE001G	Filter, HH-1M3216-501JT 500OHM 3.2X1.6X1.
L102	6210TCE001G	Filter, HH-1M3216-501JT 500OHM 3.2X1.6X1.
L103	6210TCE001G	Filter, HH-1M3216-501JT 500OHM 3.2X1.6X1.
L104	6210TCE001G	Filter, HH-1M3216-501JT 500OHM 3.2X1.6X1.
L105	6210TCE001G	Filter, HH-1M3216-501JT 500OHM 3.2X1.6X1.
L106	6210TCE001G	Filter, HH-1M3216-501JT 500OHM 3.2X1.6X1.
L108	6210TCE001G	Filter, HH-1M3216-501JT 500OHM 3.2X1.6X1.
L1101	6210TCE001L	Filter, HB-1T2012-102JT 1000OHM 2X1.25X1M
L1102	6210TCE001L	Filter, HB-1T2012-102JT 1000OHM 2X1.25X1M
L1104	6210TCE001G	Filter, HH-1M3216-501JT 500OHM 3.2X1.6X1.
L1105	6210TCE001P	Filter, HB-1S2012-121JT(H:1mm) 120OHM 2X1
L1106	6210TCE001P	Filter, HB-1S2012-121JT(H:1mm) 120OHM 2X1
L1107	6210TCE001P	Filter, HB-1S2012-121JT(H:1mm) 120OHM 2X1
L1108	6210TCE001P	Filter, HB-1S2012-121JT(H:1mm) 120OHM 2X1
L1109	6210TCE001P	Filter, HB-1S2012-121JT(H:1mm) 120OHM 2X1
L1205	6210TCE001G	Filter, HH-1M3216-501JT 500OHM 3.2X1.6X1.
L1206	6210TCE001Z	Filter, HH-1M2012-600JT 60OHM 2X1.25X1MM
L1207	6210TCE001Z	Filter, HH-1M2012-600JT 60OHM 2X1.25X1MM
L1208	6210TCE001Z	Filter, HH-1M2012-600JT 60OHM 2X1.25X1MM
L1211	6210TCE001L	Filter, HB-1T2012-102JT 1000OHM 2X1.25X1M
L1212	6210TCE001L	Filter, HB-1T2012-102JT 1000OHM 2X1.25X1M
L1215	6210TCE001G	Filter, HH-1M3216-501JT 500OHM 3.2X1.6X1.
L1223	6210TCE001G	Filter, HH-1M3216-501JT 500OHM 3.2X1.6X1.
L1301	6210TCE001G	Filter, HH-1M3216-501JT 500OHM 3.2X1.6X1.
L1302	6210TCE001G	Filter, HH-1M3216-501JT 500OHM 3.2X1.6X1.
L1303	6210TCE001G	Filter, HH-1M3216-501JT 500OHM 3.2X1.6X1.
L1309	6210TCE001S	Filter, HU-1M2012-121 120OHM 2X1.25X1MM S
L1310	6210TCE001S	Filter, HU-1M2012-121 120OHM 2X1.25X1MM S
L1311	6210TCE001S	Filter, HU-1M2012-121 120OHM 2X1.25X1MM S
L1312	6210TCE001S	Filter, HU-1M2012-121 120OHM 2X1.25X1MM S
L1313	6210TCE001G	Filter, HH-1M3216-501JT 500OHM 3.2X1.6X1.
L1314	6210TCE001G	Filter, HH-1M3216-501JT 500OHM 3.2X1.6X1.
L1315	6210TCE001G	Filter, HH-1M3216-501JT 500OHM 3.2X1.6X1.
L1401	6210TCE001G	Filter, HH-1M3216-501JT 500OHM 3.2X1.6X1.
L1403	6210TCE001G	Filter, HH-1M3216-501JT 500OHM 3.2X1.6X1.
L1503	6210TCE001G	Filter, HH-1M3216-501JT 500OHM 3.2X1.6X1.
L1506	6210TCE001G	Filter, HH-1M3216-501JT 500OHM 3.2X1.6X1.
L1507	6210TCE001G	Filter, HH-1M3216-501JT 500OHM 3.2X1.6X1.
L1600	6210TCE001G	Filter, HH-1M3216-501JT 500OHM 3.2X1.6X1.
L1601	6210TCE001G	Filter, HH-1M3216-501JT 500OHM 3.2X1.6X1.
L1900	6210TCE001G	Filter, HH-1M3216-501JT 500OHM 3.2X1.6X1.
L1901	6210TCE001G	Filter, HH-1M3216-501JT 500OHM 3.2X1.6X1.
L1902	6210TCE001G	Filter, HH-1M3216-501JT 500OHM 3.2X1.6X1.
L1903	6210TCE001G	Filter, HH-1M3216-501JT 500OHM 3.2X1.6X1.
L1904	6210TCE001G	Filter, HH-1M3216-501JT 500OHM 3.2X1.6X1.

LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
L400	6210TCE001G	Filter, HH-1M3216-501JT 500OHM 3.2X1.6X1.
L502	6210TCE001G	Filter, HH-1M3216-501JT 500OHM 3.2X1.6X1.
L518	6210TCE001G	Filter, HH-1M3216-501JT 500OHM 3.2X1.6X1.
L519	6210TCE001G	Filter, HH-1M3216-501JT 500OHM 3.2X1.6X1.
L625	6210TCE001G	Filter, HH-1M3216-501JT 500OHM 3.2X1.6X1.
L700	6210TCE001G	Filter, HH-1M3216-501JT 500OHM 3.2X1.6X1.
L701	6210TCE001G	Filter, HH-1M3216-501JT 500OHM 3.2X1.6X1.
L703	6210TCE001G	Filter, HH-1M3216-501JT 500OHM 3.2X1.6X1.
L704	6210TCE001G	Filter, HH-1M3216-501JT 500OHM 3.2X1.6X1.
L705	6210TCE001G	Filter, HH-1M3216-501JT 500OHM 3.2X1.6X1.
L706	6210TCE001G	Filter, HH-1M3216-501JT 500OHM 3.2X1.6X1.
L707	6210TCE001G	Filter, HH-1M3216-501JT 500OHM 3.2X1.6X1.
L900	EAM38058401	Filter, CB4532UK121E 120OHM 4.5X3.2X1.5MM
L907	6210TCE001G	Filter, HH-1M3216-501JT 500OHM 3.2X1.6X1.
L909	6210TCE001G	Filter, HH-1M3216-501JT 500OHM 3.2X1.6X1.
L911	6210TCE001G	Filter, HH-1M3216-501JT 500OHM 3.2X1.6X1.
L912	EAM38058401	Filter, CB4532UK121E 120OHM 4.5X3.2X1.5MM
L913	6210TCE001G	Filter, HH-1M3216-501JT 500OHM 3.2X1.6X1.
L918	EAM38058401	Filter, CB4532UK121E 120OHM 4.5X3.2X1.5MM
L919	6210TCE001G	Filter, HH-1M3216-501JT 500OHM 3.2X1.6X1.
L920	6210TCE001G	Filter, HH-1M3216-501JT 500OHM 3.2X1.6X1.
L921	6210TCE001G	Filter, HH-1M3216-501JT 500OHM 3.2X1.6X1.
L923	6210TCE001G	Filter, HH-1M3216-501JT 500OHM 3.2X1.6X1.
L925	6210TCE001G	Filter, HH-1M3216-501JT 500OHM 3.2X1.6X1.
L100	0LC1032101A	Inductor, FI-C3216-103KJT 10UH 10% - 50MA 0
L109	0LC1032101A	Inductor, FI-C3216-103KJT 10UH 10% - 50MA 0
L1209	0LCML00020G	Inductor, MLI-201209-3R3K 3.3UH 10% 0V 30MA
L1210	0LCML00020G	Inductor, MLI-201209-3R3K 3.3UH 10% 0V 30MA
L1213	0LCML00020G	Inductor, MLI-201209-3R3K 3.3UH 10% 0V 30MA
L1214	0LCML00020G	Inductor, MLI-201209-3R3K 3.3UH 10% 0V 30MA
L1216	0LCML00020G	Inductor, MLI-201209-3R3K 3.3UH 10% 0V 30MA
L1217	0LCML00020G	Inductor, MLI-201209-3R3K 3.3UH 10% 0V 30MA
L1221	0LCML00020G	Inductor, MLI-201209-3R3K 3.3UH 10% 0V 30MA
L1222	0LCML00020G	Inductor, MLI-201209-3R3K 3.3UH 10% 0V 30MA
L1304	EAP38319001	Inductor, DA-8580 22UH 20% 0V 3A 0.1OHM 0HZ
L1305	EAP38319001	Inductor, DA-8580 22UH 20% 0V 3A 0.1OHM 0HZ
L501	EAP32842801	Inductor, NR8040T2R0M 2UH 20% 0V 6.3A 0.009
L600	0LCTA00003A	Inductor, LEMC3225T6R8M 6.8UH 20% 50V 360MA
L601	0LCTA00003A	Inductor, LEMC3225T6R8M 6.8UH 20% 50V 360MA
L604	0LC0233002A	Inductor, FI-B2012-332KJT 3.3UH 10% 50V 50M
L605	0LCTA00003A	Inductor, LEMC3225T6R8M 6.8UH 20% 50V 360MA
L606	0LCTA00003A	Inductor, LEMC3225T6R8M 6.8UH 20% 50V 360MA
L610	0LCTA00003A	Inductor, LEMC3225T6R8M 6.8UH 20% 50V 360MA
L621	0LCTA00003A	Inductor, LEMC3225T6R8M 6.8UH 20% 50V 360MA
L622	0LCTA00003A	Inductor, LEMC3225T6R8M 6.8UH 20% 50V 360MA
L623	0LCTA00003A	Inductor, LEMC3225T6R8M 6.8UH 20% 50V 360MA
L624	0LCTA00003A	Inductor, LEMC3225T6R8M 6.8UH 20% 50V 360MA
L914	EAP32842801	Inductor, NR8040T2R0M 2UH 20% 0V 6.3A 0.009
L915	EAP32842801	Inductor, NR8040T2R0M 2UH 20% 0V 6.3A 0.009
FETs & TRANSISTORs		
Q1001	0TR830009BA	FET, BSS83 N-CHANNEL MOSFET 10V 2 50MA
Q100	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50V 150M
Q1000	0TRIH80003A	RT1N141C-T112-1 NPN 10V 50V 50V 1

LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
Q101	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50V 150M
Q1100	0TRIY80001A	2SC3052 NPN 6V 50V 50V 200MA 100N
Q1200	0TRIY80001A	2SC3052 NPN 6V 50V 50V 200MA 100N
Q1201	0TRIY80001A	2SC3052 NPN 6V 50V 50V 200MA 100N
Q1202	0TRIY80001A	2SC3052 NPN 6V 50V 50V 200MA 100N
Q1203	0TR102009AM	KRA102S PNP -30V 0V -50V -0.1A -0
Q1204	0TRIY80001A	2SC3052 NPN 6V 50V 50V 200MA 100N
Q1205	0TRIY80001A	2SC3052 NPN 6V 50V 50V 200MA 100N
Q1206	0TR102009AM	KRA102S PNP -30V 0V -50V -0.1A -0
Q1210	0TRIY80001A	2SC3052 NPN 6V 50V 50V 200MA 100N
Q1211	0TRIY80001A	2SC3052 NPN 6V 50V 50V 200MA 100N
Q1212	0TRIY80001A	2SC3052 NPN 6V 50V 50V 200MA 100N
Q1300	0TRIY80001A	2SC3052 NPN 6V 50V 50V 200MA 100N
Q1301	0TRIY80001A	2SC3052 NPN 6V 50V 50V 200MA 100N
Q1302	0TRIY80001A	2SC3052 NPN 6V 50V 50V 200MA 100N
Q1303	0TRIY80001A	2SC3052 NPN 6V 50V 50V 200MA 100N
Q1304	0TRIY80001A	2SC3052 NPN 6V 50V 50V 200MA 100N
Q1305	0TR102009AM	KRA102S PNP -30V 0V -50V -0.1A -0
Q1306	0TRIY80001A	2SC3052 NPN 6V 50V 50V 200MA 100N
Q1307	0TRIY80001A	2SC3052 NPN 6V 50V 50V 200MA 100N
Q1400	0TRIY80001A	2SC3052 NPN 6V 50V 50V 200MA 100N
Q1401	0TRIY80001A	2SC3052 NPN 6V 50V 50V 200MA 100N
Q1402	0TRIY80001A	2SC3052 NPN 6V 50V 50V 200MA 100N
Q1403	0TRIH80002A	2SA1530A-T112-1R PNP -6V -60V -50
Q1404	0TRIY80001A	2SC3052 NPN 6V 50V 50V 200MA 100N
Q1407	0TRIY80001A	2SC3052 NPN 6V 50V 50V 200MA 100N
Q1408	0TRIY80001A	2SC3052 NPN 6V 50V 50V 200MA 100N
Q1500	0TRIY80001A	2SC3052 NPN 6V 50V 50V 200MA 100N
Q1600	0TRIH80002A	2SA1530A-T112-1R PNP -6V -60V -50
Q1601	0TRIH80002A	2SA1530A-T112-1R PNP -6V -60V -50
Q400	0TRIY80001A	2SC3052 NPN 6V 50V 50V 200MA 100N
Q401	0TRIY80001A	2SC3052 NPN 6V 50V 50V 200MA 100N
Q402	0TRIY80001A	2SC3052 NPN 6V 50V 50V 200MA 100N
Q500	0TR102009AM	KRA102S PNP -30V 0V -50V -0.1A -0
Q502	0TRIY80001A	2SC3052 NPN 6V 50V 50V 200MA 100N
Q503	0TRIY80001A	2SC3052 NPN 6V 50V 50V 200MA 100N
Q504	0TRIH80002A	2SA1530A-T112-1R PNP -6V -60V -50
Q602	0TRIH80002A	2SA1530A-T112-1R PNP -6V -60V -50
Q603	0TRIY80001A	2SC3052 NPN 6V 50V 50V 200MA 100N
Q604	0TRIY80001A	2SC3052 NPN 6V 50V 50V 200MA 100N
Q606	0TRIH80002A	2SA1530A-T112-1R PNP -6V -60V -50
Q607	0TRIH80002A	2SA1530A-T112-1R PNP -6V -60V -50
Q608	0TRIY80001A	2SC3052 NPN 6V 50V 50V 200MA 100N
Q609	0TRIH80002A	2SA1530A-T112-1R PNP -6V -60V -50
Q611	0TRIH80002A	2SA1530A-T112-1R PNP -6V -60V -50
Q612	0TRIY80001A	2SC3052 NPN 6V 50V 50V 200MA 100N
Q900	0TRIY80001A	2SC3052 NPN 6V 50V 50V 200MA 100N
Q901	0TRIY80001A	2SC3052 NPN 6V 50V 50V 200MA 100N
Q902	0TRIY80001A	2SC3052 NPN 6V 50V 50V 200MA 100N
Q903	0TRIY80001A	2SC3052 NPN 6V 50V 50V 200MA 100N
Q904	0TRIY80001A	2SC3052 NPN 6V 50V 50V 200MA 100N
Q905	0TRIY80001A	2SC3052 NPN 6V 50V 50V 200MA 100N
Q906	0TRIY80001A	2SC3052 NPN 6V 50V 50V 200MA 100N
Q907	0TRIY80001A	2SC3052 NPN 6V 50V 50V 200MA 100N

LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
RESISTORs		
AR100	0RR0472T621	MNR04M0ABJ470 47OHM 5% 1/16W 4 SM
AR101	0RR0472T621	MNR04M0ABJ470 47OHM 5% 1/16W 4 SM
AR102	0RR0472T621	MNR04M0ABJ470 47OHM 5% 1/16W 4 SM
AR103	0RR0472T621	MNR04M0ABJ470 47OHM 5% 1/16W 4 SM
AR104	0RR0472T621	MNR04M0ABJ470 47OHM 5% 1/16W 4 SM
AR105	0RR0472T621	MNR04M0ABJ470 47OHM 5% 1/16W 4 SM
AR106	0RR0472T621	MNR04M0ABJ470 47OHM 5% 1/16W 4 SM
AR107	0RR0472T621	MNR04M0ABJ470 47OHM 5% 1/16W 4 SM
AR108	0RR0472T621	MNR04M0ABJ470 47OHM 5% 1/16W 4 SM
AR109	0RR0472T621	MNR04M0ABJ470 47OHM 5% 1/16W 4 SM
AR110	0RR0472T621	MNR04M0ABJ470 47OHM 5% 1/16W 4 SM
AR111	0RR0472T621	MNR04M0ABJ470 47OHM 5% 1/16W 4 SM
AR112	0RR0472T621	MNR04M0ABJ470 47OHM 5% 1/16W 4 SM
AR113	EBC37094001	MNR04M0APJ750 75OHM 5% 1/16W 4 SM
AR114	EBC37094001	MNR04M0APJ750 75OHM 5% 1/16W 4 SM
AR115	EBC37094001	MNR04M0APJ750 75OHM 5% 1/16W 4 SM
AR1500	0RZZH033273	MNR04M0ABJ330 33OHM 5% 1/16W 4 SM
AR1501	0RZZH033273	MNR04M0ABJ330 33OHM 5% 1/16W 4 SM
AR1502	0RZZH033273	MNR04M0ABJ330 33OHM 5% 1/16W 4 SM
AR1503	0RZZH033273	MNR04M0ABJ330 33OHM 5% 1/16W 4 SM
AR1601	EBC32260501	MNR04M0APJ000 0OHM 5% 1/16W 4 SMD
AR1602	EBC32260501	MNR04M0APJ000 0OHM 5% 1/16W 4 SMD
AR1603	EBC32260501	MNR04M0APJ000 0OHM 5% 1/16W 4 SMD
AR1604	EBC32260501	MNR04M0APJ000 0OHM 5% 1/16W 4 SMD
AR1613	EBC32260501	MNR04M0APJ000 0OHM 5% 1/16W 4 SMD
AR1614	EBC32260501	MNR04M0APJ000 0OHM 5% 1/16W 4 SMD
AR1670	0RR0472T621	MNR04M0ABJ470 47OHM 5% 1/16W 4 SM
AR1671	0RR0472T621	MNR04M0ABJ470 47OHM 5% 1/16W 4 SM
AR1681	EBC32260401	MNR04M0APJ103 10KOHM 5% 1/16W 4 S
AR1682	EBC32260401	MNR04M0APJ103 10KOHM 5% 1/16W 4 S
AR1683	EBC32260401	MNR04M0APJ103 10KOHM 5% 1/16W 4 S
AR1684	EBC32260401	MNR04M0APJ103 10KOHM 5% 1/16W 4 S
AR1900	0RJ0222C692	MNR04 M0APJ 220 22OHM 5% 1/16W 10
AR1901	0RJ0222C692	MNR04 M0APJ 220 22OHM 5% 1/16W 10
AR1902	EBC32260601	MNR04M0APJ101 100OHM 5% 1/16W 4 S
AR1903	EBC32260601	MNR04M0APJ101 100OHM 5% 1/16W 4 S
AR1904	EBC32260601	MNR04M0APJ101 100OHM 5% 1/16W 4 S
AR1905	EBC32260601	MNR04M0APJ101 100OHM 5% 1/16W 4 S
AR200	0RJ0222C687	RCA86TRJ22R0 22OHM 5% 1/16W 4 SMD
AR201	0RJ0222C687	RCA86TRJ22R0 22OHM 5% 1/16W 4 SMD
AR202	0RJ0222C687	RCA86TRJ22R0 22OHM 5% 1/16W 4 SMD
AR203	0RJ0222C687	RCA86TRJ22R0 22OHM 5% 1/16W 4 SMD
AR204	0RJ0222C687	RCA86TRJ22R0 22OHM 5% 1/16W 4 SMD
AR205	0RJ0222C687	RCA86TRJ22R0 22OHM 5% 1/16W 4 SMD
AR206	0RJ0222C687	RCA86TRJ22R0 22OHM 5% 1/16W 4 SMD
AR303	0RZZH033273	MNR04M0ABJ330 33OHM 5% 1/16W 4 SM
AR304	0RZZH033273	MNR04M0ABJ330 33OHM 5% 1/16W 4 SM
AR305	0RZZH033273	MNR04M0ABJ330 33OHM 5% 1/16W 4 SM
AR306	0RZZH033273	MNR04M0ABJ330 33OHM 5% 1/16W 4 SM
AR307	0RZZH033273	MNR04M0ABJ330 33OHM 5% 1/16W 4 SM
AR308	0RZZH033273	MNR04M0ABJ330 33OHM 5% 1/16W 4 SM
AR309	0RZZH033273	MNR04M0ABJ330 33OHM 5% 1/16W 4 SM
AR310	0RZZH033273	MNR04M0ABJ330 33OHM 5% 1/16W 4 SM

LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
AR311	0RZZH033273	MNR04M0ABJ330 33OHM 5% 1/16W 4 SM
AR312	0RZZH033273	MNR04M0ABJ330 33OHM 5% 1/16W 4 SM
AR313	0RZZH033273	MNR04M0ABJ330 33OHM 5% 1/16W 4 SM
AR314	0RZZH033273	MNR04M0ABJ330 33OHM 5% 1/16W 4 SM
AR701	0RZZH033273	MNR04M0ABJ330 33OHM 5% 1/16W 4 SM
AR702	0RZZH033273	MNR04M0ABJ330 33OHM 5% 1/16W 4 SM
AR704	EBC32260501	MNR04M0APJ000 0OHM 5% 1/16W 4 SMD
AR706	0RZZH033273	MNR04M0ABJ330 33OHM 5% 1/16W 4 SM
AR708	0RZZH033273	MNR04M0ABJ330 33OHM 5% 1/16W 4 SM
AR711	EBC32260501	MNR04M0APJ000 0OHM 5% 1/16W 4 SMD
AR712	0RZZH033273	MNR04M0ABJ330 33OHM 5% 1/16W 4 SM
AR713	0RZZH033273	MNR04M0ABJ330 33OHM 5% 1/16W 4 SM
AR714	0RZZH033273	MNR04M0ABJ330 33OHM 5% 1/16W 4 SM
AR715	0RZZH033273	MNR04M0ABJ330 33OHM 5% 1/16W 4 SM
AR800	EBC32260405	MNR04M0APJ680 68OHM 5% 1/16W 4 SM
AR801	EBC32260405	MNR04M0APJ680 68OHM 5% 1/16W 4 SM
AR802	EBC32260405	MNR04M0APJ680 68OHM 5% 1/16W 4 SM
AR803	EBC32260405	MNR04M0APJ680 68OHM 5% 1/16W 4 SM
AR804	EBC32260405	MNR04M0APJ680 68OHM 5% 1/16W 4 SM
AR805	EBC32260405	MNR04M0APJ680 68OHM 5% 1/16W 4 SM
AR806	EBC32260405	MNR04M0APJ680 68OHM 5% 1/16W 4 SM
AR807	EBC32260405	MNR04M0APJ680 68OHM 5% 1/16W 4 SM
AR808	EBC32260405	MNR04M0APJ680 68OHM 5% 1/16W 4 SM
AR809	EBC32260405	MNR04M0APJ680 68OHM 5% 1/16W 4 SM
AR810	EBC32260405	MNR04M0APJ680 68OHM 5% 1/16W 4 SM
AR811	EBC32260405	MNR04M0APJ680 68OHM 5% 1/16W 4 SM
L600	0RJ0000G676	MCR18EZHJ00 0OHM 5% 1/4W 3216 R/T
R100	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608 R
R100	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 1005
R100	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608 R
R101	0RD9101Q609	RDM94T1J9K10 9.1KOHM 5% 1/4W 3.2X
R101	0RJ0752D677	MCR03EZPJ750 75OHM 5% 1/10W 1608
R101	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 1005
R101	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608 R
R102	0RD3301Q609	RDM94T1J3K30 3.3KOHM 5% 1/4W 3.2X
R102	0RJ4700D677	MCR03EZPJ471 470OHM 5% 1/10W 1608
R102	0RJ0472C678	MCR01MZPJ470 47OHM 5% 1/16W 1005
R102	0RJ1800D677	MCR03EZPJ181 180OHM 5% 1/10W 1608
R1020	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 1005
R1021	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 1005
R1022	0RJ6800D677	MCR03EZPJ681 680OHM 5% 1/10W 1608
R1023	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 1005
R1024	0RJ6800D677	MCR03EZPJ681 680OHM 5% 1/10W 1608
R1025	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 1005
R1026	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 1005
R1027	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 1005
R103	0RD1101Q609	RDM94T1J1K10 1.1KOHM 5% 1/4W 3.2X
R103	0RJ2203D677	MCR03EZPJ224 220KOHM 5% 1/10W 160
R103	0RJ0472C678	MCR01MZPJ470 47OHM 5% 1/16W 1005
R1038	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R
R1039	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R
R104	0RD1100Q609	RDM94T1J110R 110OHM 5% 1/4W 3.2X1
R104	0RJ4700D677	MCR03EZPJ471 470OHM 5% 1/10W 1608
R104	0RJ1800D677	MCR03EZPJ181 180OHM 5% 1/10W 1608
R1040	0RJ4702C678	MCR01MZPJ473 47KOHM 5% 1/16W 1005

LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
R1041	0RJ4702C678	MCR01MZPJ473 47KOHM 5% 1/16W 1005
R1042	0RJ4702C678	MCR01MZPJ473 47KOHM 5% 1/16W 1005
R1043	0RJ4702C678	MCR01MZPJ473 47KOHM 5% 1/16W 1005
R1044	0RJ3301C678	MCR01MZPJ332 3.3KOHM 5% 1/16W 100
R1049	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R
R105	0RD9101Q609	RDM94T1J9K10 9.1KOHM 5% 1/4W 3.2X
R105	0RJ2203D677	MCR03EZPJ224 220KOHM 5% 1/10W 160
R105	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 100
R1050	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R
R1052	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R
R1053	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R
R1056	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 1005
R1057	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 1005
R1058	0RJ1003C678	MCR01MZPJ104 100KOHM 5% 1/16W 100
R1059	0RJ2702C678	MCR01MZPJ273 27KOHM 5% 1/16W 1005
R106	0RD3301Q609	RDM94T1J3K30 3.3KOHM 5% 1/4W 3.2X
R106	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608 R
R106	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608 R
R1065	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608 R
R107	0RD1101Q609	RDM94T1J1K10 1.1KOHM 5% 1/4W 3.2X
R107	0RJ0752D677	MCR03EZPJ750 75OHM 5% 1/10W 1608
R108	0RD1100Q609	RDM94T1J110R 110OHM 5% 1/4W 3.2X1
R108	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608 R
R108	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 1005
R109	0RJ0752D677	MCR03EZPJ750 75OHM 5% 1/10W 1608
R109	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 1005
R110	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608 R
R110	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 1005
R1101	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 1005
R1102	0RJ1001C678	MCR01MZPJ102 1KOHM 5% 1/16W 1005
R1103	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 1005
R1107	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 100
R1108	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 100
R111	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R
R1113	0RJ0752C678	MCR01MZPJ750 75OHM 5% 1/16W 1005
R1114	0RJ2203C678	MCR01MZPJ224 220KOHM 5% 1/16W 100
R1115	0RJ0752C678	MCR01MZPJ750 75OHM 5% 1/16W 1005
R1116	0RJ2203C678	MCR01MZPJ224 220KOHM 5% 1/16W 100
R1117	0RJ0752C678	MCR01MZPJ750 75OHM 5% 1/16W 1005
R1118	0RJ1001C678	MCR01MZPJ102 1KOHM 5% 1/16W 1005
R1119	0RJ1001C678	MCR01MZPJ102 1KOHM 5% 1/16W 1005
R112	0RJ0472C678	MCR01MZPJ470 47OHM 5% 1/16W 1005
R1120	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 100
R1121	0RJ1001C678	MCR01MZPJ102 1KOHM 5% 1/16W 1005
R1122	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 100
R1123	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R
R1124	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R
R1125	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R
R1126	0RJ1001C678	MCR01MZPJ102 1KOHM 5% 1/16W 1005
R1127	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R
R1128	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R
R1129	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R
R113	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R
R1130	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R
R1131	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R

LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
R1133	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R
R1134	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R
R1135	0RJ1001C678	MCR01MZPJ102 1KOHM 5% 1/16W 1005
R1136	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005
R1137	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005
R1139	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 1005
R114	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R
R1140	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R
R1141	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R
R1148	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005
R115	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R
R1150	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005
R1151	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005
R1152	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005
R1157	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005
R1158	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005
R116	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R
R1161	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005
R1162	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 100
R1164	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005
R1165	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005
R1166	0RJ3301C678	MCR01MZPJ332 3.3KOHM 5% 1/16W 100
R1167	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R
R1168	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R
R1169	0RJ1001C678	MCR01MZPJ102 1KOHM 5% 1/16W 1005
R117	0RJ0752C678	MCR01MZPJ750 75OHM 5% 1/16W 1005
R1170	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 1005
R1171	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R
R1174	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R
R1175	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R
R118	0RJ0752C678	MCR01MZPJ750 75OHM 5% 1/16W 1005
R12	0RJ3300C678	MCR01MZPJ331 330OHM 5% 1/16W 1005
R120	0RJ1802C478	MCR01MZPF183 18KOHM 1% 1/16W 1005
R1200	0RJ0752C678	MCR01MZPJ750 75OHM 5% 1/16W 1005
R1201	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R
R1202	0RJ0682D677	MCR03EZPJ680 68OHM 5% 1/10W 1608
R1203	0RJ4703C678	MCR01MZPJ474 470KOHM 5% 1/16W 100
R1204	0RJ4702C678	MCR01MZPJ473 47KOHM 5% 1/16W 1005
R1205	0RJ2203C678	MCR01MZPJ224 220KOHM 5% 1/16W 100
R1207	0RJ2203C678	MCR01MZPJ224 220KOHM 5% 1/16W 100
R1209	0RJ3002C678	MCR01MZPJ303 30KOHM 5% 1/16W 1005
R121	0RJ1202C678	MCR01MZPJ123 12KOHM 5% 1/16W 1005
R1210	0RJ2203C678	MCR01MZPJ224 220KOHM 5% 1/16W 100
R1211	0RJ4703C678	MCR01MZPJ474 470KOHM 5% 1/16W 100
R1212	0RJ2203C678	MCR01MZPJ224 220KOHM 5% 1/16W 100
R1213	0RJ4703C678	MCR01MZPJ474 470KOHM 5% 1/16W 100
R1214	0RJ0752C678	MCR01MZPJ750 75OHM 5% 1/16W 1005
R1215	0RJ1001D477	MCR03EZPF102 1KOHM 1% 1/10W 1608
R1216	0RJ1001D477	MCR03EZPF102 1KOHM 1% 1/10W 1608
R1219	0RJ0752C678	MCR01MZPJ750 75OHM 5% 1/16W 1005
R122	0RJ0472C678	MCR01MZPJ470 47OHM 5% 1/16W 1005
R1220	0RJ2203C678	MCR01MZPJ224 220KOHM 5% 1/16W 100
R1221	0RJ0752C678	MCR01MZPJ750 75OHM 5% 1/16W 1005
R1222	0RJ0752C678	MCR01MZPJ750 75OHM 5% 1/16W 1005
R1223	0RJ2203C678	MCR01MZPJ224 220KOHM 5% 1/16W 100

LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
R1224	0RJ1001C678	MCR01MZPJ102 1KOHM 5% 1/16W 1005
R1225	0RJ1001D477	MCR03EZPF102 1KOHM 1% 1/10W 1608
R1226	0RJ1001D477	MCR03EZPF102 1KOHM 1% 1/10W 1608
R1227	0RJ1001D477	MCR03EZPF102 1KOHM 1% 1/10W 1608
R1228	0RJ1001D477	MCR03EZPF102 1KOHM 1% 1/10W 1608
R1229	0RJ0752C678	MCR01MZPJ750 75OHM 5% 1/16W 1005
R1230	0RJ0752C678	MCR01MZPJ750 75OHM 5% 1/16W 1005
R1231	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 1005
R1235	0RJ4703C678	MCR01MZPJ474 470KOHM 5% 1/16W 100
R1236	0RJ4703C678	MCR01MZPJ474 470KOHM 5% 1/16W 100
R1237	0RJ1001D477	MCR03EZPF102 1KOHM 1% 1/10W 1608
R1238	0RJ1001D477	MCR03EZPF102 1KOHM 1% 1/10W 1608
R1239	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R
R124	0RJ1200C678	MCR01MZPJ121 120OHM 5% 1/16W 1005
R1240	0RJ0752C678	MCR01MZPJ750 75OHM 5% 1/16W 1005
R1241	0RJ0752C678	MCR01MZPJ750 75OHM 5% 1/16W 1005
R1242	0RJ0752C678	MCR01MZPJ750 75OHM 5% 1/16W 1005
R1243	0RJ0752C678	MCR01MZPJ750 75OHM 5% 1/16W 1005
R1244	0RJ0752C678	MCR01MZPJ750 75OHM 5% 1/16W 1005
R1245	0RJ0752C678	MCR01MZPJ750 75OHM 5% 1/16W 1005
R1246	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R
R1247	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R
R1248	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R
R1259	0RJ1001C678	MCR01MZPJ102 1KOHM 5% 1/16W 1005
R126	0RJ0472C678	MCR01MZPJ470 47OHM 5% 1/16W 1005
R1260	0RJ2001C678	MCR01MZPJ202 2KOHM 5% 1/16W 1005
R1261	0RJ2001C678	MCR01MZPJ202 2KOHM 5% 1/16W 1005
R1262	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R
R1263	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R
R1264	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R
R1265	0RJ0822C678	MCR01MZPJ820 82OHM 5% 1/16W 1005
R1266	0RJ0822C678	MCR01MZPJ820 82OHM 5% 1/16W 1005
R1267	0RJ0822C678	MCR01MZPJ820 82OHM 5% 1/16W 1005
R1270	0RJ1001C678	MCR01MZPJ102 1KOHM 5% 1/16W 1005
R1271	0RJ1001C678	MCR01MZPJ102 1KOHM 5% 1/16W 1005
R1273	0RJ3301C678	MCR01MZPJ332 3.3KOHM 5% 1/16W 100
R1274	0RJ0752C678	MCR01MZPJ750 75OHM 5% 1/16W 1005
R1275	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R
R1276	0RJ3002C678	MCR01MZPJ303 30KOHM 5% 1/16W 1005
R1277	0RJ2203C678	MCR01MZPJ224 220KOHM 5% 1/16W 100
R1278	0RJ2203C678	MCR01MZPJ224 220KOHM 5% 1/16W 100
R1279	0RJ4702C678	MCR01MZPJ473 47KOHM 5% 1/16W 1005
R128	0RJ0472C678	MCR01MZPJ470 47OHM 5% 1/16W 1005
R1280	0RJ1001C678	MCR01MZPJ102 1KOHM 5% 1/16W 1005
R1281	0RJ1001C678	MCR01MZPJ102 1KOHM 5% 1/16W 1005
R1282	0RJ2203C678	MCR01MZPJ224 220KOHM 5% 1/16W 100
R1283	0RJ2203C678	MCR01MZPJ224 220KOHM 5% 1/16W 100
R1284	0RJ2700D677	MCR03EZPJ271 270OHM 5% 1/10W 1608
R1285	0RJ0822C678	MCR01MZPJ820 82OHM 5% 1/16W 1005
R1286	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 100
R1287	0RJ6801D477	MCR03EZPF682 6.8KOHM 1% 1/10W 160
R1288	0RJ0822C678	MCR01MZPJ820 82OHM 5% 1/16W 1005
R1289	0RJ2700D677	MCR03EZPJ271 270OHM 5% 1/10W 1608
R129	0RJ0472C678	MCR01MZPJ470 47OHM 5% 1/16W 1005
R1290	0RJ0822C678	MCR01MZPJ820 82OHM 5% 1/16W 1005

LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
R1291	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R
R1292	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 100
R1293	0RJ6801D477	MCR03EZPF682 6.8KOHM 1% 1/10W 160
R1294	0RJ0822C678	MCR01MZPJ820 82OHM 5% 1/16W 1005
R1295	0RJ2700D677	MCR03EZPJ271 270OHM 5% 1/10W 1608
R1296	0RJ0822C678	MCR01MZPJ820 82OHM 5% 1/16W 1005
R1297	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 100
R1298	0RJ6801D477	MCR03EZPF682 6.8KOHM 1% 1/10W 160
R1299	0RJ0822C678	MCR01MZPJ820 82OHM 5% 1/16W 1005
R1300	0RJ6202D677	MCR03EZPJ623 62KOHM 5% 1/10W 1608
R1301	0RJ2402D677	MCR03EZPJ243 24KOHM 5% 1/10W 1608
R1302	0RJ4700D677	MCR03EZPJ471 470OHM 5% 1/10W 1608
R1303	0RJ1501C678	MCR01MZPJ152 1.5KOHM 5% 1/16W 100
R1304	0RJ0432D677	MCR03EZPJ430 43OHM 5% 1/10W 1608
R1305	0RJ0432D677	MCR03EZPJ430 43OHM 5% 1/10W 1608
R1307	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005
R1308	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005
R1309	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005
R131	0RJ0472C678	MCR01MZPJ470 47OHM 5% 1/16W 1005
R1310	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R
R1311	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005
R1312	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005
R1313	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005
R1314	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005
R1315	0RJ1001C678	MCR01MZPJ102 1KOHM 5% 1/16W 1005
R1316	0RJ1001C678	MCR01MZPJ102 1KOHM 5% 1/16W 1005
R1317	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 100
R1318	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 100
R1319	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R
R1320	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R
R1321	0RJ2001C678	MCR01MZPJ202 2KOHM 5% 1/16W 1005
R1322	0RJ2001C678	MCR01MZPJ202 2KOHM 5% 1/16W 1005
R1323	0RJ4703C678	MCR01MZPJ474 470KOHM 5% 1/16W 100
R1324	0RJ4703C678	MCR01MZPJ474 470KOHM 5% 1/16W 100
R1327	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R
R1328	0RJ2200C678	MCR01MZPJ221 220OHM 5% 1/16W 1005
R1329	0RJ0101C678	MCR01MZPJ1R0 1OHM 5% 1/16W 1005 R
R133	0RJ0472C678	MCR01MZPJ470 47OHM 5% 1/16W 1005
R1330	0RJ0101C678	MCR01MZPJ1R0 1OHM 5% 1/16W 1005 R
R1331	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 1005
R1332	0RJ2200C678	MCR01MZPJ221 220OHM 5% 1/16W 1005
R1333	0RJ2200C678	MCR01MZPJ221 220OHM 5% 1/16W 1005
R1334	0RJ2200C678	MCR01MZPJ221 220OHM 5% 1/16W 1005
R1338	0RJ3901C678	MCR01MZPJ392 3.9KOHM 5% 1/16W 100
R134	0RJ0472C678	MCR01MZPJ470 47OHM 5% 1/16W 1005
R1345	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 100
R1346	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 100
R1347	0RJ0392D677	MCR03EZPJ390 39OHM 5% 1/10W 1608
R1348	0RJ0392D677	MCR03EZPJ390 39OHM 5% 1/10W 1608
R1349	0RJ0392D677	MCR03EZPJ390 39OHM 5% 1/10W 1608
R1350	0RJ0392D677	MCR03EZPJ390 39OHM 5% 1/10W 1608
R1351	0RJ0122D677	MCR03EZPJ120 12OHM 5% 1/10W 1608
R1352	0RJ0122D677	MCR03EZPJ120 12OHM 5% 1/10W 1608
R1353	0RJ0122D677	MCR03EZPJ120 12OHM 5% 1/10W 1608
R1354	0RJ0122D677	MCR03EZPJ120 12OHM 5% 1/10W 1608

LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
R1355	0RJ0122D677	MCR03EZPJ120 12OHM 5% 1/10W 1608
R1356	0RJ0122D677	MCR03EZPJ120 12OHM 5% 1/10W 1608
R1357	0RJ0122D677	MCR03EZPJ120 12OHM 5% 1/10W 1608
R1358	0RJ0122D677	MCR03EZPJ120 12OHM 5% 1/10W 1608
R1359	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R
R136	0RJ0472C678	MCR01MZPJ470 47OHM 5% 1/16W 1005
R1360	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R
R1361	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R
R1362	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R
R1364	0RZZ000067A	MCR01MZPJ751 750OHM 5% 1/16W 1005
R1365	0RZZ000067A	MCR01MZPJ751 750OHM 5% 1/16W 1005
R1366	0RZZ000067A	MCR01MZPJ751 750OHM 5% 1/16W 1005
R1367	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 100
R1368	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 100
R1369	0RJ2402D677	MCR03EZPJ243 24KOHM 5% 1/10W 1608
R137	0RJ0472C678	MCR01MZPJ470 47OHM 5% 1/16W 1005
R1370	0RJ1201D677	MCR03EZPJ122 1.2KOHM 5% 1/10W 160
R1371	0RJ1500C678	MCR01MZPJ151 150OHM 5% 1/16W 1005
R1372	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 1005
R1374	0RJ1001C678	MCR01MZPJ102 1KOHM 5% 1/16W 1005
R1375	0RJ1001C678	MCR01MZPJ102 1KOHM 5% 1/16W 1005
R1376	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 100
R1377	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 100
R1378	0RJ4703C678	MCR01MZPJ474 470KOHM 5% 1/16W 100
R1379	0RJ4703C678	MCR01MZPJ474 470KOHM 5% 1/16W 100
R138	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 1005
R139	0RJ0472C678	MCR01MZPJ470 47OHM 5% 1/16W 1005
R140	0RJ0472C678	MCR01MZPJ470 47OHM 5% 1/16W 1005
R1400	0RJ1501C678	MCR01MZPJ152 1.5KOHM 5% 1/16W 100
R1401	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 100
R1402	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005
R1403	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005
R1404	0RJ1001C678	MCR01MZPJ102 1KOHM 5% 1/16W 1005
R1405	0RJ1001C678	MCR01MZPJ102 1KOHM 5% 1/16W 1005
R1406	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R
R1407	0RJ1001C678	MCR01MZPJ102 1KOHM 5% 1/16W 1005
R1408	0RJ1001C678	MCR01MZPJ102 1KOHM 5% 1/16W 1005
R1409	0RJ1500C678	MCR01MZPJ151 150OHM 5% 1/16W 1005
R141	0RJ0472C678	MCR01MZPJ470 47OHM 5% 1/16W 1005
R1410	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R
R1411	0RJ2200C678	MCR01MZPJ221 220OHM 5% 1/16W 1005
R1412	0RJ2200C678	MCR01MZPJ221 220OHM 5% 1/16W 1005
R1413	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R
R1414	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005
R1415	0RJ2200C678	MCR01MZPJ221 220OHM 5% 1/16W 1005
R1416	0RJ2200C678	MCR01MZPJ221 220OHM 5% 1/16W 1005
R1417	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005
R1418	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005
R1419	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005
R142	0RJ0472C678	MCR01MZPJ470 47OHM 5% 1/16W 1005
R1420	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005
R1421	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005
R1422	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005
R1423	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005
R1429	0RJ1001C678	MCR01MZPJ102 1KOHM 5% 1/16W 1005

LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
R143	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 100
R1430	0RJ1201C678	MCR01MZPJ122 1.2KOHM 5% 1/16W 100
R1431	0RJ1201C678	MCR01MZPJ122 1.2KOHM 5% 1/16W 100
R1433	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005
R1436	0RJ1201C678	MCR01MZPJ122 1.2KOHM 5% 1/16W 100
R1438	0RJ1201C678	MCR01MZPJ122 1.2KOHM 5% 1/16W 100
R1439	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005
R144	0RJ0472C678	MCR01MZPJ470 47OHM 5% 1/16W 1005
R145	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 100
R1452	0RJ2200C678	MCR01MZPJ221 220OHM 5% 1/16W 1005
R1453	0RJ4703C678	MCR01MZPJ474 470KOHM 5% 1/16W 100
R1454	0RJ4703C678	MCR01MZPJ474 470KOHM 5% 1/16W 100
R1455	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 100
R1456	0RJ1501C678	MCR01MZPJ152 1.5KOHM 5% 1/16W 100
R146	0RJ6801C678	MCR01MZPJ682 6.8KOHM 5% 1/16W 100
R1460	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005
R1461	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005
R1462	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005
R1464	0RJ1003C678	MCR01MZPJ104 100KOHM 5% 1/16W 100
R1465	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005
R1466	0RJ1201C678	MCR01MZPJ122 1.2KOHM 5% 1/16W 100
R1467	0RJ1001C678	MCR01MZPJ102 1KOHM 5% 1/16W 1005
R1468	0RJ1201C678	MCR01MZPJ122 1.2KOHM 5% 1/16W 100
R147	0RJ0472C678	MCR01MZPJ470 47OHM 5% 1/16W 1005
R1470	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005
R1471	0RJ3000C678	MCR01MZPJ301 300OHM 5% 1/16W 1005
R1472	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R
R1473	0RJ1600D677	MCR03EZPJ161 160OHM 5% 1/10W 1608
R1474	0RJ2200C678	MCR01MZPJ221 220OHM 5% 1/16W 1005
R1475	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R
R1476	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005
R1477	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005
R148	0RJ0472C678	MCR01MZPJ470 47OHM 5% 1/16W 1005
R1480	0RJ1001C678	MCR01MZPJ102 1KOHM 5% 1/16W 1005
R1481	0RJ1001C678	MCR01MZPJ102 1KOHM 5% 1/16W 1005
R149	0RJ6801C678	MCR01MZPJ682 6.8KOHM 5% 1/16W 100
R150	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R
R1506	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 1005
R1507	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 1005
R1508	0RJ3300C678	MCR01MZPJ331 330OHM 5% 1/16W 1005
R1509	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 1005
R151	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R
R1511	0RJ1001C678	MCR01MZPJ102 1KOHM 5% 1/16W 1005
R1512	0RJ1004C678	MCR01MZPJ105 1MOHM 5% 1/16W 1005
R1513	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 1005
R1515	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 1005
R1516	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 1005
R1517	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 1005
R1518	0RJ0822C678	MCR01MZPJ820 82OHM 5% 1/16W 1005
R152	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R
R1520	0RJ0822C678	MCR01MZPJ820 82OHM 5% 1/16W 1005
R1523	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 1005
R1525	0RJ0332C678	MCR01MZPJ330 33OHM 5% 1/16W 1005
R1526	0RJ0332C678	MCR01MZPJ330 33OHM 5% 1/16W 1005
R1527	0RJ0332C678	MCR01MZPJ330 33OHM 5% 1/16W 1005

LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
R1528	0RJ3300C678	MCR01MZPJ331 330OHM 5% 1/16W 1005
R1529	0RJ0332C678	MCR01MZPJ330 33OHM 5% 1/16W 1005
R153	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R
R1530	0RJ0332C678	MCR01MZPJ330 33OHM 5% 1/16W 1005
R1535	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 1005
R1536	0RJ1102D677	MCR03EZPJ113 11KOHM 5% 1/10W 1608
R154	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 1005
R1546	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 100
R1547	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 100
R155	0RJ3303D677	MCR03EZPJ334 330KOHM 5% 1/10W 160
R1550	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 100
R1552	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 100
R156	0RJ0472C678	MCR01MZPJ470 47OHM 5% 1/16W 1005
R1561	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 100
R1562	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 100
R1563	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 1005
R1564	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 100
R1569	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 1005
R157	0RJ0472C678	MCR01MZPJ470 47OHM 5% 1/16W 1005
R1570	0RJ5601C678	MCR01MZPJ562 5.6KOHM 5% 1/16W 100
R1571	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 1005
R158	0RJ0472C678	MCR01MZPJ470 47OHM 5% 1/16W 1005
R1600	0RJ0000G676	MCR18EZHJ00 0OHM 5% 1/4W 3216 R/T
R1615	0RJ0332C678	MCR01MZPJ330 33OHM 5% 1/16W 1005
R1616	0RJ0332C678	MCR01MZPJ330 33OHM 5% 1/16W 1005
R1617	0RJ0332C678	MCR01MZPJ330 33OHM 5% 1/16W 1005
R1618	0RJ0332C678	MCR01MZPJ330 33OHM 5% 1/16W 1005
R1619	0RJ0332D677	MCR03EZPJ330 33OHM 5% 1/10W 1608
R162	0RJ0472C678	MCR01MZPJ470 47OHM 5% 1/16W 1005
R1620	0RJ0332C678	MCR01MZPJ330 33OHM 5% 1/16W 1005
R1621	0RJ0472C678	MCR01MZPJ470 47OHM 5% 1/16W 1005
R1622	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 1005
R1623	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 1005
R1624	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 1005
R1626	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 100
R1628	0RJ4701D677	MCR03EZPJ472 4.7KOHM 5% 1/10W 160
R163	0RJ0472C678	MCR01MZPJ470 47OHM 5% 1/16W 1005
R1630	0RJ4701D677	MCR03EZPJ472 4.7KOHM 5% 1/10W 160
R1632	0RJ4701D677	MCR03EZPJ472 4.7KOHM 5% 1/10W 160
R1633	0RJ1002D677	MCR03EZPJ103 10KOHM 5% 1/10W 1608
R1634	0RJ1002D677	MCR03EZPJ103 10KOHM 5% 1/10W 1608
R1639	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 1005
R164	0RJ1202C678	MCR01MZPJ123 12KOHM 5% 1/16W 1005
R1640	0RJ1002D677	MCR03EZPJ103 10KOHM 5% 1/10W 1608
R1641	0RJ1002D677	MCR03EZPJ103 10KOHM 5% 1/10W 1608
R1642	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 1005
R1647	0RJ0472C678	MCR01MZPJ470 47OHM 5% 1/16W 1005
R1648	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 100
R1649	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 100
R165	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 1005
R1650	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 100
R1651	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 100
R1652	0RJ4702C678	MCR01MZPJ473 47KOHM 5% 1/16W 1005
R1653	0RJ0000G676	MCR18EZHJ00 0OHM 5% 1/4W 3216 R/T
R1654	0RJ0000G676	MCR18EZHJ00 0OHM 5% 1/4W 3216 R/T

LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
R1655	0RJ0472C678	MCR01MZPJ470 47OHM 5% 1/16W 1005
R1656	0RJ0472C678	MCR01MZPJ470 47OHM 5% 1/16W 1005
R1657	0RJ0472C678	MCR01MZPJ470 47OHM 5% 1/16W 1005
R1658	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 1005
R1659	0RJ1002D677	MCR03EZPJ103 10KOHM 5% 1/10W 1608
R166	0RJ0472C678	MCR01MZPJ470 47OHM 5% 1/16W 1005
R1660	0RJ1002D677	MCR03EZPJ103 10KOHM 5% 1/10W 1608
R1661	0RJ1002D677	MCR03EZPJ103 10KOHM 5% 1/10W 1608
R1662	0RJ1002D677	MCR03EZPJ103 10KOHM 5% 1/10W 1608
R1663	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 1005
R1664	0RJ0472C678	MCR01MZPJ470 47OHM 5% 1/16W 1005
R1665	0RJ0472C678	MCR01MZPJ470 47OHM 5% 1/16W 1005
R1666	0RJ0472C678	MCR01MZPJ470 47OHM 5% 1/16W 1005
R1667	0RJ0472C678	MCR01MZPJ470 47OHM 5% 1/16W 1005
R1668	0RJ0472C678	MCR01MZPJ470 47OHM 5% 1/16W 1005
R1669	0RJ0472C678	MCR01MZPJ470 47OHM 5% 1/16W 1005
R167	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 1005
R1672	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 1005
R1673	0RJ0332C678	MCR01MZPJ330 33OHM 5% 1/16W 1005
R1674	0RJ1002D677	MCR03EZPJ103 10KOHM 5% 1/10W 1608
R1675	0RJ1002D677	MCR03EZPJ103 10KOHM 5% 1/10W 1608
R1676	0RJ1001D677	MCR03EZPJ102 1KOHM 5% 1/10W 1608
R1677	0RJ3300D677	MCR03EZPJ331 330OHM 5% 1/10W 1608
R1678	0RJ3300D677	MCR03EZPJ331 330OHM 5% 1/10W 1608
R1679	0RJ1001D677	MCR03EZPJ102 1KOHM 5% 1/10W 1608
R168	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 1005
R1680	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R
R169	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R
R170	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R
R1703	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005
R1704	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R
R1706	0RJ0332C678	MCR01MZPJ330 33OHM 5% 1/16W 1005
R1709	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 1005
R1710	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 1005
R1713	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 100
R1714	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R
R1715	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005
R1716	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005
R1717	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 1005
R1718	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005
R1720	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005
R1721	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 100
R1722	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 1005
R1724	0RJ0332C678	MCR01MZPJ330 33OHM 5% 1/16W 1005
R1726	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005
R173	0RJ0472C678	MCR01MZPJ470 47OHM 5% 1/16W 1005
R1734	0RJ0332C678	MCR01MZPJ330 33OHM 5% 1/16W 1005
R1735	0RJ0332C678	MCR01MZPJ330 33OHM 5% 1/16W 1005
R1736	0RJ0332C678	MCR01MZPJ330 33OHM 5% 1/16W 1005
R1737	0RJ0332C678	MCR01MZPJ330 33OHM 5% 1/16W 1005
R1743	0RJ1000D477	MCR03EZPF101 100OHM 1% 1/10W 1608
R1744	0RJ1500D477	MCR03EZPF151 150OHM 1% 1/10W 1608
R1745	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R
R1746	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005
R1747	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005
R1748	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005
R1749	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005
R175	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 1005
R1750	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 1005
R1751	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 1005
R1752	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 100
R1753	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 100
R1758	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005
R1759	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 1005
R1760	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 1005
R1761	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 1005
R1762	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 1005
R1763	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 1005
R1764	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 1005
R1765	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 1005
R1766	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 1005
R1767	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 1005
R1768	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 1005
R1769	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 1005
R1770	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 1005
R1771	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R
R1773	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 1005
R1774	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 1005
R1775	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005
R1776	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 100
R1777	0RJ2201C678	MCR01MZPJ222 2.2KOHM 5% 1/16W 100
R1778	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 100
R1780	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 100
R1784	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R
R1785	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 1005
R1787	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 1005
R1794	0RJ3302C678	MCR01MZPJ333 33KOHM 5% 1/16W 1005
R1795	0RJ3302C678	MCR01MZPJ333 33KOHM 5% 1/16W 1005
R1796	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608 R
R1797	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608 R
R1798	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608 R
R183	0RJ3300C678	MCR01MZPJ331 330OHM 5% 1/16W 1005
R184	0RJ3300C678	MCR01MZPJ331 330OHM 5% 1/16W 1005
R185	0RJ0472C678	MCR01MZPJ470 47OHM 5% 1/16W 1005
R189	0RJ0000G676	MCR18EZHJ00 0OHM 5% 1/4W 3216 R/T
R190	0RJ0472C678	MCR01MZPJ470 47OHM 5% 1/16W 1005
R1901	0RJ0332C678	MCR01MZPJ330 33OHM 5% 1/16W 1005
R1902	0RJ0332C678	MCR01MZPJ330 33OHM 5% 1/16W 1005
R1904	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 1005
R1905	0RJ4702C678	MCR01MZPJ473 47KOHM 5% 1/16W 1005
R1906	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 1005
R1908	0RJ1001C678	MCR01MZPJ102 1KOHM 5% 1/16W 1005
R191	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608 R
R1910	0RJ1001C678	MCR01MZPJ102 1KOHM 5% 1/16W 1005
R1915	0RJ1001C678	MCR01MZPJ102 1KOHM 5% 1/16W 1005
R1916	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005
R1917	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005
R1918	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005
R1919	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 1005
R192	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 100

LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
R1923	0RJ1500C678	MCR01MZPJ151 150OHM 5% 1/16W 1005
R1924	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 1005
R1925	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 100
R1926	0RJ2700D677	MCR03EZPJ271 270OHM 5% 1/10W 1608
R1927	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 100
R1928	0RJ1001C678	MCR01MZPJ102 1KOHM 5% 1/16W 1005
R193	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 100
R1930	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 100
R1931	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 100
R1932	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 1005
R1933	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 1005
R1934	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 1005
R1935	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 100
R1936	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 100
R1937	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 100
R1940	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 100
R1941	0RJ2700D677	MCR03EZPJ271 270OHM 5% 1/10W 1608
R1942	0RJ1500C678	MCR01MZPJ151 150OHM 5% 1/16W 1005
R1943	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 1005
R1944	0RJ0332C678	MCR01MZPJ330 33OHM 5% 1/16W 1005
R1945	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005
R1946	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005
R195	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 100
R1950	0RJ0332C678	MCR01MZPJ330 33OHM 5% 1/16W 1005
R1951	0RJ1001C678	MCR01MZPJ102 1KOHM 5% 1/16W 1005
R1952	0RJ4702C678	MCR01MZPJ473 47KOHM 5% 1/16W 1005
R1953	0RJ4702C678	MCR01MZPJ473 47KOHM 5% 1/16W 1005
R1954	0RJ0332C678	MCR01MZPJ330 33OHM 5% 1/16W 1005
R1955	0RJ1001C678	MCR01MZPJ102 1KOHM 5% 1/16W 1005
R1956	0RJ2201C678	MCR01MZPJ222 2.2KOHM 5% 1/16W 100
R1957	EBC32176501	MCR01MZP5J621 620OHM 5% 1/16W 100
R1958	0RJ2000D677	MCR03EZPJ201 200OHM 5% 1/10W 1608
R1959	0RJ0472C678	MCR01MZPJ470 47OHM 5% 1/16W 1005
R196	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005
R197	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005
R198	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R
R2	0RJ0472C678	MCR01MZPJ470 47OHM 5% 1/16W 1005
R200	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 100
R201	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005
R202	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005
R203	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005
R204	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005
R205	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005
R206	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005
R207	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005
R208	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005
R209	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005
R210	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005
R211	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005
R212	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005
R213	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005
R214	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005
R215	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005
R216	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005
R217	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005

LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
R218	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005
R219	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005
R220	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005
R221	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005
R222	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005
R223	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005
R224	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005
R225	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005
R226	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005
R227	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005
R228	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005
R229	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005
R230	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005
R231	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005
R232	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005
R233	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005
R234	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005
R235	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005
R236	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005
R237	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005
R238	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005
R239	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005
R241	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005
R242	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 1005
R243	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 1005
R244	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 1005
R245	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 1005
R246	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 1005
R247	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 1005
R248	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 1005
R249	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 1005
R250	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 1005
R251	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 1005
R255	0RJ4701D477	MCR03EZPF472 4.7KOHM 1% 1/10W 160
R256	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 1005
R261	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 1005
R262	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 1005
R263	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 1005
R264	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 1005
R265	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R
R27	0RJ0472C678	MCR01MZPJ470 47OHM 5% 1/16W 1005
R28	0RJ0472C678	MCR01MZPJ470 47OHM 5% 1/16W 1005
R29	0RJ0472C678	MCR01MZPJ470 47OHM 5% 1/16W 1005
R3	0RJ0472C678	MCR01MZPJ470 47OHM 5% 1/16W 1005
R30	0RJ0472C678	MCR01MZPJ470 47OHM 5% 1/16W 1005
R301	0RJ0472C678	MCR01MZPJ470 47OHM 5% 1/16W 1005
R302	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 1005
R303	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 1005
R304	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 1005
R305	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 1005
R306	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 1005
R31	0RJ0472C678	MCR01MZPJ470 47OHM 5% 1/16W 1005
R313	0RJ0472C678	MCR01MZPJ470 47OHM 5% 1/16W 1005
R314	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R
R315	0RJ0472C678	MCR01MZPJ470 47OHM 5% 1/16W 1005

LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
R316	0RJ0472C678	MCR01MZPJ470 47OHM 5% 1/16W 1005
R319	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 1005
R320	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 1005
R321	0RJ0472C678	MCR01MZPJ470 47OHM 5% 1/16W 1005
R322	0RJ0472C678	MCR01MZPJ470 47OHM 5% 1/16W 1005
R323	0RJ0472C678	MCR01MZPJ470 47OHM 5% 1/16W 1005
R324	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005
R325	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005
R326	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005
R327	0RJ0332C678	MCR01MZPJ330 33OHM 5% 1/16W 1005
R329	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 1005
R330	0RJ0472C678	MCR01MZPJ470 47OHM 5% 1/16W 1005
R331	0RJ0472C678	MCR01MZPJ470 47OHM 5% 1/16W 1005
R332	0RJ0472C678	MCR01MZPJ470 47OHM 5% 1/16W 1005
R333	0RJ0472C678	MCR01MZPJ470 47OHM 5% 1/16W 1005
R40	0RJ1200C678	MCR01MZPJ121 120OHM 5% 1/16W 1005
R403	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 1005
R407	0RJ1202C678	MCR01MZPJ123 12KOHM 5% 1/16W 1005
R41	0RJ1200C678	MCR01MZPJ121 120OHM 5% 1/16W 1005
R412	0RJ0472C678	MCR01MZPJ470 47OHM 5% 1/16W 1005
R413	0RJ0472C678	MCR01MZPJ470 47OHM 5% 1/16W 1005
R414	0RJ1001C678	MCR01MZPJ102 1KOHM 5% 1/16W 1005
R415	0RJ1001C678	MCR01MZPJ102 1KOHM 5% 1/16W 1005
R416	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R
R417	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R
R42	0RJ1200C678	MCR01MZPJ121 120OHM 5% 1/16W 1005
R421	0RJ0472C678	MCR01MZPJ470 47OHM 5% 1/16W 1005
R422	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 100
R425	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005
R426	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005
R43	0RJ1200C678	MCR01MZPJ121 120OHM 5% 1/16W 1005
R430	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 1005
R437	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 1005
R438	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R
R439	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005
R44	0RJ1200C678	MCR01MZPJ121 120OHM 5% 1/16W 1005
R441	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005
R446	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005
R448	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005
R45	0RJ1200C678	MCR01MZPJ121 120OHM 5% 1/16W 1005
R46	0RJ1200C678	MCR01MZPJ121 120OHM 5% 1/16W 1005
R461	0RJ0332C678	MCR01MZPJ330 33OHM 5% 1/16W 1005
R47	0RJ1200C678	MCR01MZPJ121 120OHM 5% 1/16W 1005
R470	0RJ0472C678	MCR01MZPJ470 47OHM 5% 1/16W 1005
R471	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 1005
R472	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 100
R475	0RJ0472C678	MCR01MZPJ470 47OHM 5% 1/16W 1005
R476	0RJ0472C678	MCR01MZPJ470 47OHM 5% 1/16W 1005
R48	0RJ1200C678	MCR01MZPJ121 120OHM 5% 1/16W 1005
R49	0RJ1200C678	MCR01MZPJ121 120OHM 5% 1/16W 1005
R50	0RJ1200C678	MCR01MZPJ121 120OHM 5% 1/16W 1005
R500	0RJ9311D477	MCR03EZPF9311 9.31KOHM 1% 1/10W 1
R501	0RJ1202C678	MCR01MZPJ123 12KOHM 5% 1/16W 1005
R502	0RJ1502C478	MCR01MZPF153 15KOHM 1% 1/16W 1005
R503	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 1005

LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
R523	0RJ1001C678	MCR01MZPJ102 1KOHM 5% 1/16W 1005
R524	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R
R526	0RJ2001C678	MCR01MZPJ202 2KOHM 5% 1/16W 1005
R527	0RJ2001C678	MCR01MZPJ202 2KOHM 5% 1/16W 1005
R528	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R
R531	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R
R534	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 1005
R536	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 1005
R537	0RJ1502C678	MCR01MZPJ153 15KOHM 5% 1/16W 1005
R539	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 1005
R540	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 1005
R541	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 1005
R543	0RJ1502C678	MCR01MZPJ153 15KOHM 5% 1/16W 1005
R544	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 1005
R547	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005
R548	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005
R550	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R
R554	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005
R555	0RJ2202C678	MCR01MZPJ223 22KOHM 5% 1/16W 1005
R556	0RJ4302D677	MCR03EZPJ433 43KOHM 5% 1/10W 1608
R558	0RJ5600C678	MCR01MZPJ561 560OHM 5% 1/16W 1005
R559	0RJ5600C678	MCR01MZPJ561 560OHM 5% 1/16W 1005
R6	0RJ0472C678	MCR01MZPJ470 47OHM 5% 1/16W 1005
R600	0RJ0472C678	MCR01MZPJ470 47OHM 5% 1/16W 1005
R601	0RJ0472C678	MCR01MZPJ470 47OHM 5% 1/16W 1005
R602	0RJ0332C678	MCR01MZPJ330 33OHM 5% 1/16W 1005
R603	0RJ0332C678	MCR01MZPJ330 33OHM 5% 1/16W 1005
R604	0RJ0332C678	MCR01MZPJ330 33OHM 5% 1/16W 1005
R605	0RJ0332C678	MCR01MZPJ330 33OHM 5% 1/16W 1005
R606	0RJ0332C678	MCR01MZPJ330 33OHM 5% 1/16W 1005
R607	0RJ0332C678	MCR01MZPJ330 33OHM 5% 1/16W 1005
R608	0RJ0332C678	MCR01MZPJ330 33OHM 5% 1/16W 1005
R609	0RJ0332C678	MCR01MZPJ330 33OHM 5% 1/16W 1005
R610	0RJ0332C678	MCR01MZPJ330 33OHM 5% 1/16W 1005
R611	0RJ0332C678	MCR01MZPJ330 33OHM 5% 1/16W 1005
R612	0RJ0332C678	MCR01MZPJ330 33OHM 5% 1/16W 1005
R613	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R
R614	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R
R615	0RJ0752C678	MCR01MZPJ750 75OHM 5% 1/16W 1005
R616	0RJ0752C678	MCR01MZPJ750 75OHM 5% 1/16W 1005
R617	0RJ0752C678	MCR01MZPJ750 75OHM 5% 1/16W 1005
R618	0RJ0752C678	MCR01MZPJ750 75OHM 5% 1/16W 1005
R619	0RJ0752C678	MCR01MZPJ750 75OHM 5% 1/16W 1005
R620	0RJ0752C678	MCR01MZPJ750 75OHM 5% 1/16W 1005
R621	0RJ0752C678	MCR01MZPJ750 75OHM 5% 1/16W 1005
R622	0RJ0752C678	MCR01MZPJ750 75OHM 5% 1/16W 1005
R623	0RJ0752C678	MCR01MZPJ750 75OHM 5% 1/16W 1005
R624	0RJ0472C678	MCR01MZPJ470 47OHM 5% 1/16W 1005
R625	0RJ0472C678	MCR01MZPJ470 47OHM 5% 1/16W 1005
R626	0RJ0332C678	MCR01MZPJ330 33OHM 5% 1/16W 1005
R627	0RJ1003C678	MCR01MZPJ104 100KOHM 5% 1/16W 100
R628	0RJ0752C678	MCR01MZPJ750 75OHM 5% 1/16W 1005
R629	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005
R630	0RJ0752C678	MCR01MZPJ750 75OHM 5% 1/16W 1005
R631	0RJ0332C678	MCR01MZPJ330 33OHM 5% 1/16W 1005

LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
R632	0RJ0472C678	MCR01MZPJ470 47OHM 5% 1/16W 1005
R633	0RJ0472C678	MCR01MZPJ470 47OHM 5% 1/16W 1005
R636	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 100
R637	0RJ4700D677	MCR03EZPJ471 470OHM 5% 1/10W 1608
R639	0RJ0822D677	MCR03EZPJ820 82OHM 5% 1/10W 1608
R640	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R
R642	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 1005
R644	0RJ1001C678	MCR01MZPJ102 1KOHM 5% 1/16W 1005
R646	0RJ2700D677	MCR03EZPJ271 270OHM 5% 1/10W 1608
R647	0RJ2200C678	MCR01MZPJ221 220OHM 5% 1/16W 1005
R648	0RJ1001C678	MCR01MZPJ102 1KOHM 5% 1/16W 1005
R649	0RJ1500C678	MCR01MZPJ151 150OHM 5% 1/16W 1005
R650	0RJ2000C678	MCR01MZPJ201 200OHM 5% 1/16W 1005
R651	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R
R652	0RJ2001C678	MCR01MZPJ202 2KOHM 5% 1/16W 1005
R653	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 1005
R654	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R
R655	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 1005
R657	0RJ0102C678	MCR01MZPJ100 10OHM 5% 1/16W 1005
R658	0RJ2201C678	MCR01MZPJ222 2.2KOHM 5% 1/16W 100
R659	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R
R663	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R
R665	0RJ0102C678	MCR01MZPJ100 10OHM 5% 1/16W 1005
R666	0RJ2201C678	MCR01MZPJ222 2.2KOHM 5% 1/16W 100
R667	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 1005
R668	0RJ0000G676	MCR18EZHJ00 0OHM 5% 1/4W 3216 R/T
R669	0RJ0000G676	MCR18EZHJ00 0OHM 5% 1/4W 3216 R/T
R670	0RJ0000G676	MCR18EZHJ00 0OHM 5% 1/4W 3216 R/T
R671	0RJ0000G676	MCR18EZHJ00 0OHM 5% 1/4W 3216 R/T
R672	0RJ0000G676	MCR18EZHJ00 0OHM 5% 1/4W 3216 R/T
R673	0RJ2000C678	MCR01MZPJ201 200OHM 5% 1/16W 1005
R674	0RJ2702D677	MCR03EZPJ273 27KOHM 5% 1/10W 1608
R701	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 1005
R702	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R
R703	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R
R704	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R
R705	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005
R707	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 1005
R708	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 1005
R709	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005
R710	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005
R711	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 1005
R712	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 1005
R713	0RJ0332C678	MCR01MZPJ330 33OHM 5% 1/16W 1005
R717	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005
R718	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005
R720	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 1005
R722	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 1005
R725	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005
R726	0RJ3900C678	MCR01MZPJ391. 390OHM 5% 1/16W 100
R727	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005
R728	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 1005
R729	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 100
R733	0RJ0562D677	MCR03EZPJ560 56OHM 5% 1/10W 1608
R734	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005

LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
R735	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 1005
R737	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 100
R739	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005
R740	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 1005
R741	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005
R743	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R
R744	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R
R745	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 1005
R746	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 1005
R747	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 1005
R748	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005
R751	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 1005
R754	0RJ0562D677	MCR03EZPJ560 56OHM 5% 1/10W 1608
R755	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 1005
R756	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 1005
R757	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005
R759	0RJ0562D677	MCR03EZPJ560 56OHM 5% 1/10W 1608
R762	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 1005
R764	0RJ0562D677	MCR03EZPJ560 56OHM 5% 1/10W 1608
R767	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005
R769	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 1005
R770	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 1005
R771	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 1005
R772	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005
R775	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005
R777	0RJ0332C678	MCR01MZPJ330 33OHM 5% 1/16W 1005
R778	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 1005
R779	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005
R780	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 100
R781	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005
R782	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005
R783	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 1005
R784	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 1005
R785	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 1005
R786	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 1005
R787	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 1005
R790	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 1005
R791	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 100
R792	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 1005
R793	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 1005
R794	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 1005
R795	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 1005
R796	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005
R797	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005
R798	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R
R799	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 100
R8	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 1005
R800	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005
R801	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R
R805	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 1005
R807	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R
R808	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R
R811	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 1005
R812	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 1005
R813	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 1005

LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
R816	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R
R821	0RJ0682C678	MCR01MZPJ680 68OHM 5% 1/16W 1005
R822	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R
R823	0RJ2700C678	MCR01MZPJ271 270OHM 5% 1/16W 1005
R825	0RJ2700C678	MCR01MZPJ271 270OHM 5% 1/16W 1005
R826	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R
R827	0RJ0682C678	MCR01MZPJ680 68OHM 5% 1/16W 1005
R829	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R
R832	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005
R833	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005
R836	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005
R843	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 1005
R850	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 1005
R857	0RJ0682C678	MCR01MZPJ680 68OHM 5% 1/16W 1005
R859	0RJ0682C678	MCR01MZPJ680 68OHM 5% 1/16W 1005
R860	0RJ0682C678	MCR01MZPJ680 68OHM 5% 1/16W 1005
R877	0RJ0682C678	MCR01MZPJ680 68OHM 5% 1/16W 1005
R880	0RJ0682C678	MCR01MZPJ680 68OHM 5% 1/16W 1005
R881	0RJ0682C678	MCR01MZPJ680 68OHM 5% 1/16W 1005
R882	0RJ0682C678	MCR01MZPJ680 68OHM 5% 1/16W 1005
R888	0RJ0682C678	MCR01MZPJ680 68OHM 5% 1/16W 1005
R891	0RJ0682C678	MCR01MZPJ680 68OHM 5% 1/16W 1005
R892	0RJ0682C678	MCR01MZPJ680 68OHM 5% 1/16W 1005
R893	0RJ0682C678	MCR01MZPJ680 68OHM 5% 1/16W 1005
R894	0RJ0682C678	MCR01MZPJ680 68OHM 5% 1/16W 1005
R899	0RJ2701D677	MCR03EZPJ272 2.7KOHM 5% 1/10W 160
R9	0RJ3300C678	MCR01MZPJ331 330OHM 5% 1/16W 1005
R901	0RJ1802C478	MCR01MZPF183 18KOHM 1% 1/16W 1005
R902	0RJ4701D477	MCR03EZPF472 4.7KOHM 1% 1/10W 160
R903	0RJ1002D477	MCR03EZPF103 10KOHM 1% 1/10W 1608
R904	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 1005
R905	0RJ1801D677	MCR03EZPJ182 1.8KOHM 5% 1/10W 160
R906	0RJ1202C478	MCR01MZPF123 12KOHM 1% 1/16W 1005
R907	0RJ1502C478	MCR01MZPF153 15KOHM 1% 1/16W 1005
R908	0RJ1802C478	MCR01MZPF183 18KOHM 1% 1/16W 1005
R909	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 1005
R911	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 1005
R913	0RJ3302C678	MCR01MZPJ333 33KOHM 5% 1/16W 1005
R915	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 1005
R916	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 1005
R917	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 1005
R918	0RJ3302C678	MCR01MZPJ333 33KOHM 5% 1/16W 1005
R919	0RJ3302C678	MCR01MZPJ333 33KOHM 5% 1/16W 1005
R920	0RJ3302C678	MCR01MZPJ333 33KOHM 5% 1/16W 1005
R923	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 1005
R924	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 1005
R925	0RJ3302C678	MCR01MZPJ333 33KOHM 5% 1/16W 1005
R926	0RJ3302C678	MCR01MZPJ333 33KOHM 5% 1/16W 1005
R927	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 100
R930	0RJ3302C678	MCR01MZPJ333 33KOHM 5% 1/16W 1005
R931	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005
R932	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 1005
R933	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 1005
R934	0RJ3302C678	MCR01MZPJ333 33KOHM 5% 1/16W 1005
R935	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R
R936	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R
R937	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R
R938	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R
R939	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R
R940	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R
R942	0RJ0432C678	MCR01MZPJ 430 43OHM 5% 1/16W 1005
R943	0RJ0432C678	MCR01MZPJ 430 43OHM 5% 1/16W 1005

HARNESSs & CONNECTORs

C1	6631900012G	Harness, 6631900012G SMH250-10P SMH250-10P
C2	6631900027G	Harness, SMH250 SMH250 400mM 2.50MM 13P UL
C3	6631900097A	Harness, SPK SMH250 110T/205T 350_500mM 2.
C4	6631900098B	Harness, SMH250 110T/205T 900_500mM 2.50MM
C5	6631900099A	Harness, SMH250 SMP250 300mM 2.50MM 3P UL1
C6	6631T20029E	Harness, 6p(2.0mm) SMH200-06 SMH200-06 460
C7	6631T20037J	Harness, SMH200 SMH200 550mM 2.00MM 10P UL
C8	6631T39004D	Harness, 6631T39004D 1-1123722-9 1-1123722
C9	6851V00080A	Harness, 1537740-1 1537113-2 1-1123722-4 2
C10	EAD30301901	Harness, DMS 4P CONNECTOR ASSY SMH250-04P
C11	EAD35682506	Harness, LVDS PDP STANDARD_200mm FI-X30HL(
C12	EAD39864901	Harness, SMH200(900MM)_4/14 TWIST SMH200-1
P1100	6630G70016A	A03-7071-094 D-SUB 15P 2.29MM STR
P1104	6630G70017A	A02-0915-101 D-SUB 9P 2.77MM STRA
P1501	EAG35030901	USB, LD1807V-S52T MINI 1P 1.27MM STRAI
CN100	6602T20009J	Wafer, SMAW200-10P 10P 2.00MM 1R ANGLE D
CN101	6602T20009E	Wafer, SMAW200-06P 6P 2.00MM 1R ANGLE DI
CN300	6630VE01269	Wafer, 91932-31169LF 68P 1.00MM 1R STRAI
P100	6602T20009E	Wafer, SMAW200-06P 6P 2.00MM 1R ANGLE DI
P100	6630V90142A	Wafer, TPH254-R-1419-6A 6P 2.54MM 2R ANG
P102	6602T20008N	Wafer, SMW200-14P 14P 2.00MM 1R STRAIGHT
P1101	6602T20009J	Wafer, SMAW200-10P 10P 2.00MM 1R ANGLE D
P1102	6630VF00704	Wafer, 12505WS-04A00 4P 1.25MM 1R STRAIG
P1300	6602T25008B	Wafer, SMW250-03P 3P 2.50MM 1R STRAIGHT
P1301	6602T25008C	Wafer, SMW250-04P 4P 2.50MM 1R STRAIGHT
P1400	6602T20008N	Wafer, SMW200-14P 14P 2.00MM 1R STRAIGHT
P1500	6602Q39005A	Wafer, 1-1123723-4 4P 3.96MM 1R STRAIGHT
P1901	6630V90116A	Wafer, FI-X30SSL-HF 30P 1.00MM 1R ANGLE
P1902	6602T12004J	Wafer, 12505WS-10A00 10P 1.25MM 1R STRAI
P900	6602T25008M	Wafer, SMW250-13P 13P 2.50MM 1R STRAIGHT
P901	6602T25008J	Wafer, SMW250-10P 10P 2.50MM 1R ANGLE DI

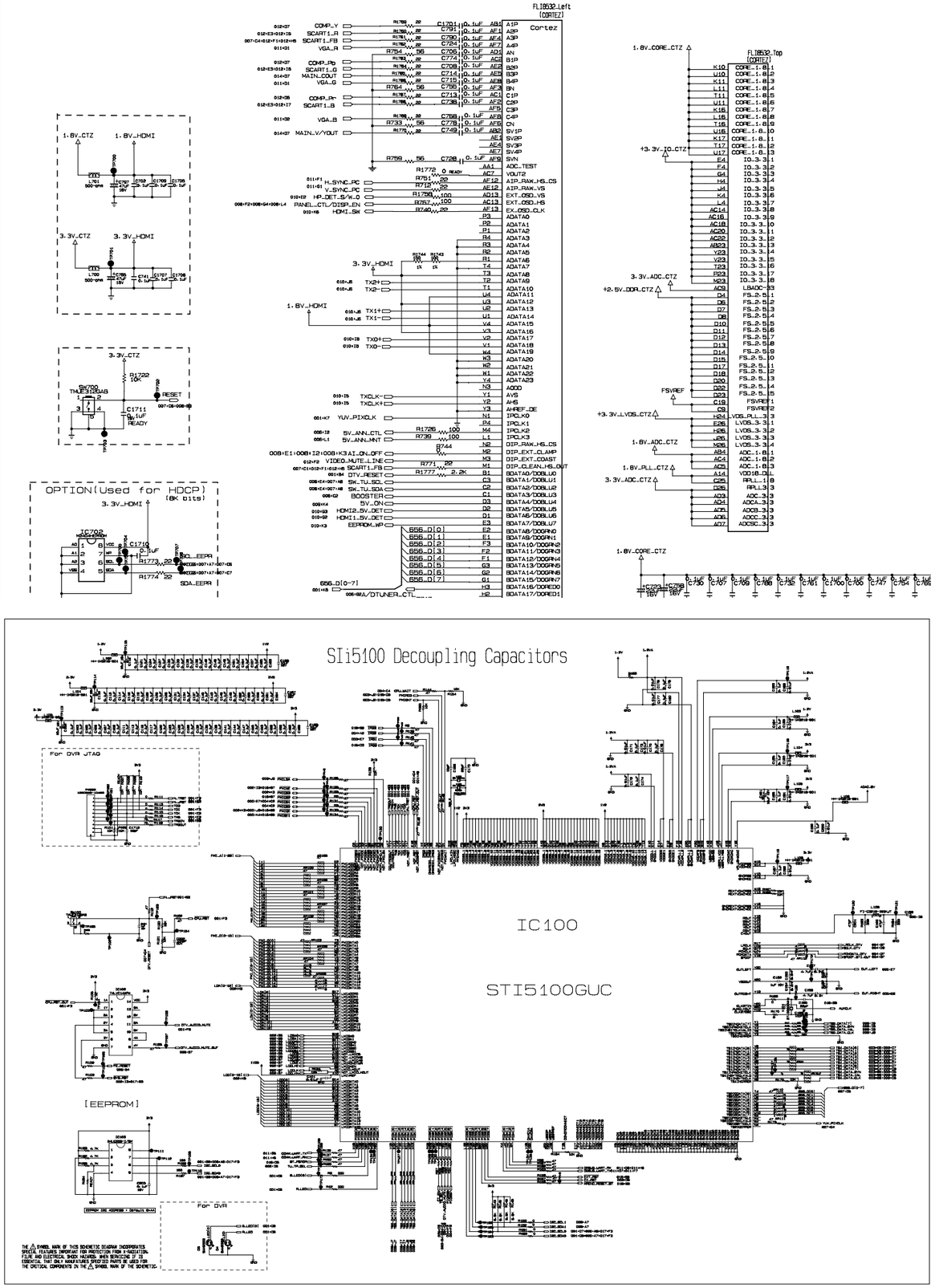
JACKs

J1000	6612B00015C	DC1R019WDH. SOCKET 21P STRAIGHT S
J1001	6612B00015C	DC1R019WDH. SOCKET 21P STRAIGHT S
J1100	6612F00099A	PEJ024-01 1P 4P STRAIGHT TR 3.6MM
J1200	6612J10031B	PPJ209-01 14.0MM 1RX3C ANGLE BK S
JK100	6612J10033A	PMJ016-13 13P DIN/RCA 14MM ANGLE
JK100	EAG32151101	TOX177L(F,T) 3P TX 2.54MM ANGLE 1
P1200	6612M00010A	PSC003-01 21P 21P/1C 3.81MM STRAI
P1201	6612M00010A	PSC003-01 21P 21P/1C 3.81MM STRAI

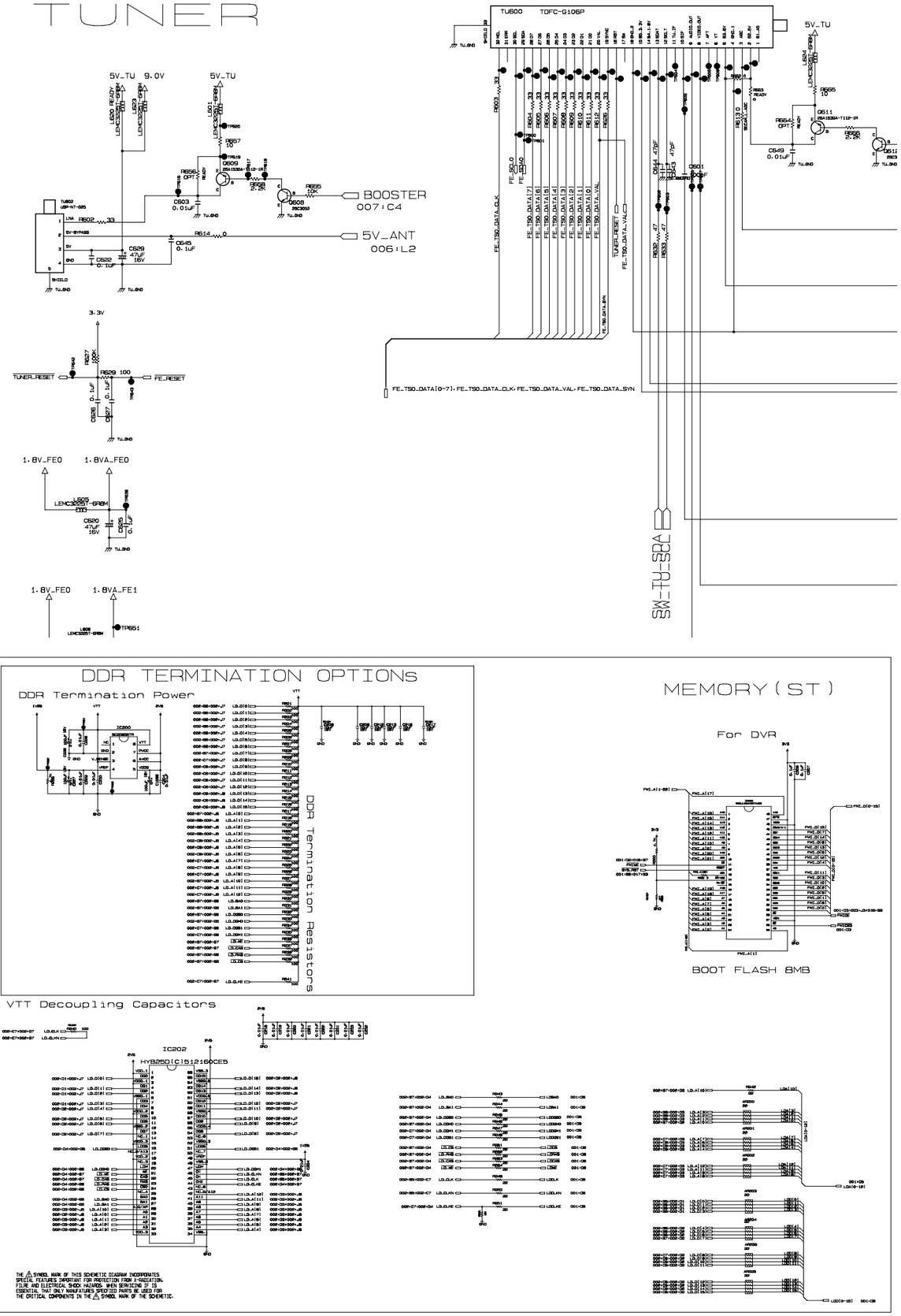
LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
	SWITCHs	
SW100	EBF32593901	TMUE312GAB 1C1P 12VDC 0.5A VERTIC
SW101	140-313B	KPT-1115AM 1C1P 12VDC 0.05A HORIZ
SW102	140-313B	KPT-1115AM 1C1P 12VDC 0.05A HORIZ
SW103	140-313B	KPT-1115AM 1C1P 12VDC 0.05A HORIZ
SW104	140-313B	KPT-1115AM 1C1P 12VDC 0.05A HORIZ
SW105	140-313B	KPT-1115AM 1C1P 12VDC 0.05A HORIZ
SW106	140-313B	KPT-1115AM 1C1P 12VDC 0.05A HORIZ
SW107	140-313B	KPT-1115AM 1C1P 12VDC 0.05A HORIZ
SW108	140-313B	KPT-1115AM 1C1P 12VDC 0.05A HORIZ
SW700	EBF32593901	TMUE312GAB 1C1P 12VDC 0.5A VERTIC
	OTHERs	
B1	3890TKD002P	Box, LB500J(PCB) BRAND 542*397*445
B2	3890TKD002P	Box, LB500J(PCB) BRAND 542*397*445
B3	MAY32943847	Box, DW 1167 150 352 NO PRINTING 42PB4
B4	MAY39537101	Box, DW 1183 865 370 2 COLOR 42PB4
CA1	68509A0004H	Cable, Assembly RCA R/A TO RCA S/T UL BLACK 70MM
CA2	EAD35132605	Cable, Assembly SATA CABLE 250MM 7P RED
X101	6212AB2883A	Crystal, HC-49SM 27.00000MHZ 27MHZ 30PPM
X102	EAW39040101	Crystal, 9H03200584 32.768KHZ 20PPM
X1300	156-A02R	Crystal, EUA18.4320F16E33L 18.432MHZ
X1500	6212AB2872A	Crystal, HC49SM 25MHZ 50PPM 20pF HC49SM
X1900	6212AB2873A	Crystal, HC-49/SM 24.576MHZ 30PPM 24.576MHZ
X700	6212AB2015J	Crystal, HC-49SM 19.66080HZ 19.6608HZ 30PPM
J400	68719ST035B	PCB Assembly, Sub SUB T.SPDIF
IC101	6712000014A	Receiver Module, KSM-2013TH2A 37.9KHZ 12.4M 3P
IC203	SAA31081414	S/W, Firmware 3.05 B215 EUROPE FLASH ROM
IC802	SAA31081512	S/W, Firmware 3.04 AFB4 EUROPE FLASH ROM
IC407	EBD38015101	Sensor, Temperature MM3286CFBE 0.3~3.6 SOP 8P
P300	EAG34998901	Socket, PCI 10074998-118MCALF 68P 1.27MM
TU600	EBL32961504	Tuner, Digital TDFC-G107P DVB-T/PAL 170MHZ
TU601	EBL37239102	Tuner, Digital TDFG-G105P DVB-T(COFDM) 176MHZ
TU602	EBL38670801	Tuner, RF Modulator USP-NT-025 DVB-T/PAL
	ACCESSORY	
A1	SAC30033613	Title, CD MANUAL PDP DTV (PD74A) Europass 3
A1	MFL34441608	Manual, Owners 25lang EUROPASS 3 DVR EU
A2	MKJ32022814	Remote Controller, COMPLEX EUROPASS_DVR
A21	3550V00590A	Cover, MOLD ABS 50PC3DD-UE.AUSRSHR ABS
A3	6410TEW010A	Power Cord, CEE,LP-34A&H05VV-FX3C 1.87M BLACK
A4	4972V00178A	Supporter, COMPLEX METAL ASSY PDP SET
A5	3880TKZ004E	Bag, COMPLEX VINYL 180*150 0.58 H&C MODEL
A6	4950TKA320A	Plate, PRESS SBHG T1.2 SUPPORT UPSET
A7	FAB30021701	Screw, Machine 1SZZVMR001A RING WALL 5MM 25MM

LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION

CORTEZ PLUS



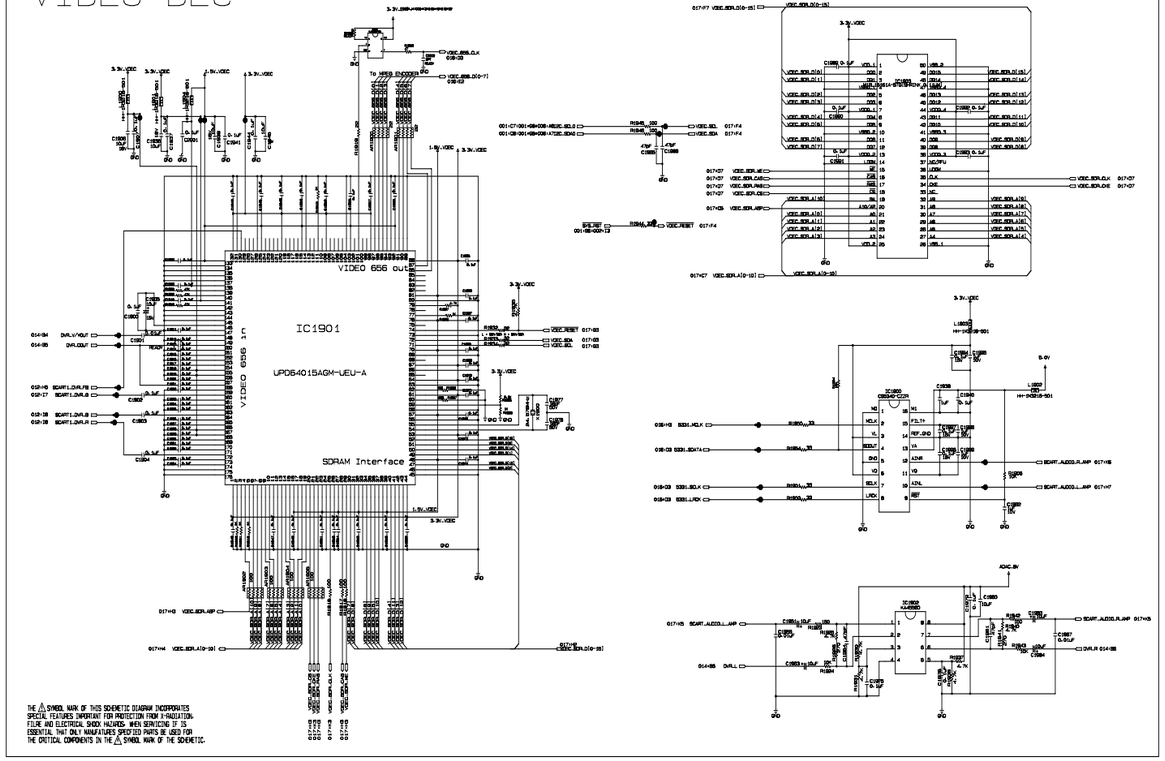
TUNER



DDR TERMINATION OPTIONS

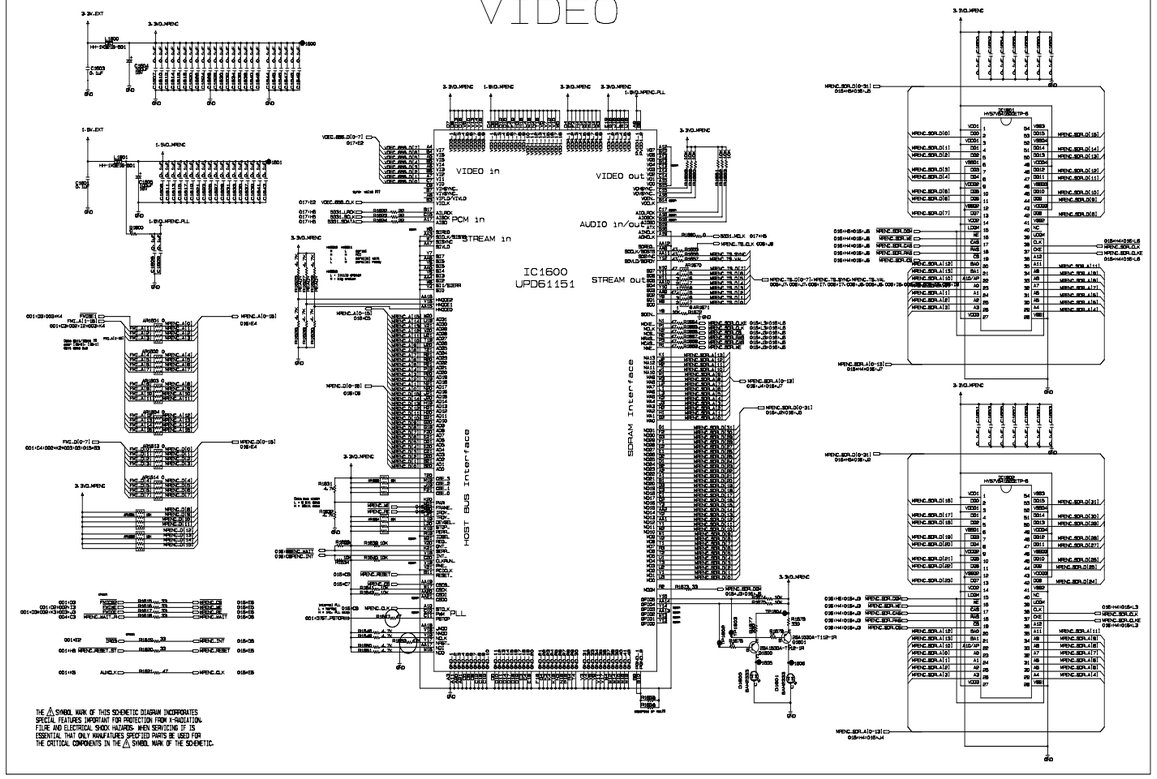
MEMORY(ST)

VIDEO DEC



THE ⚠ SYMBOL MARK OF THIS SCHEMETIC DIAGRAM INCORPORATES SPECIAL FEATURES IMPORTANT FOR PROTECTION FROM X-RADIATION. FIURE AND ELECTRICAL SHOCK HAZARDS. WHEN SERVICING IT IS ESSENTIAL THAT ONLY MANUFATURES SPECIFIED PARTS BE USED FOR THE CRITICAL COMPONENTS IN THE ⚠ SYMBOL MARK OF THE SCHEMETIC.

VIDEO



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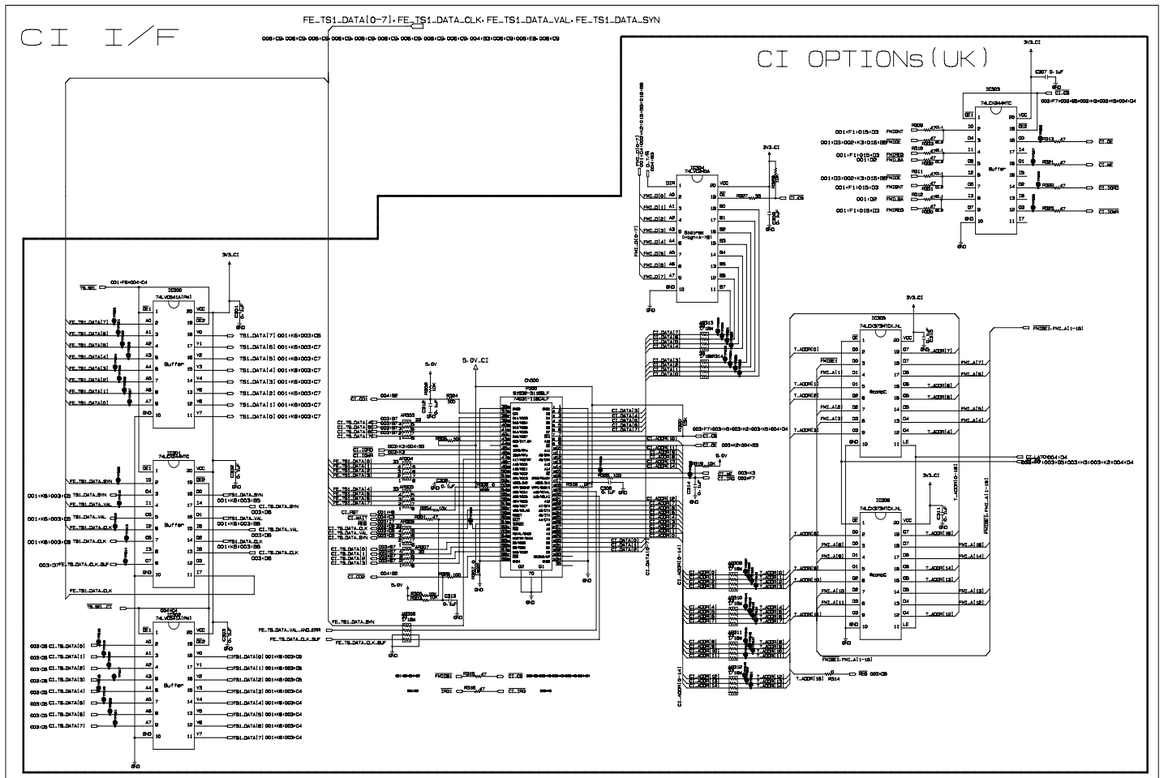
CI I/F



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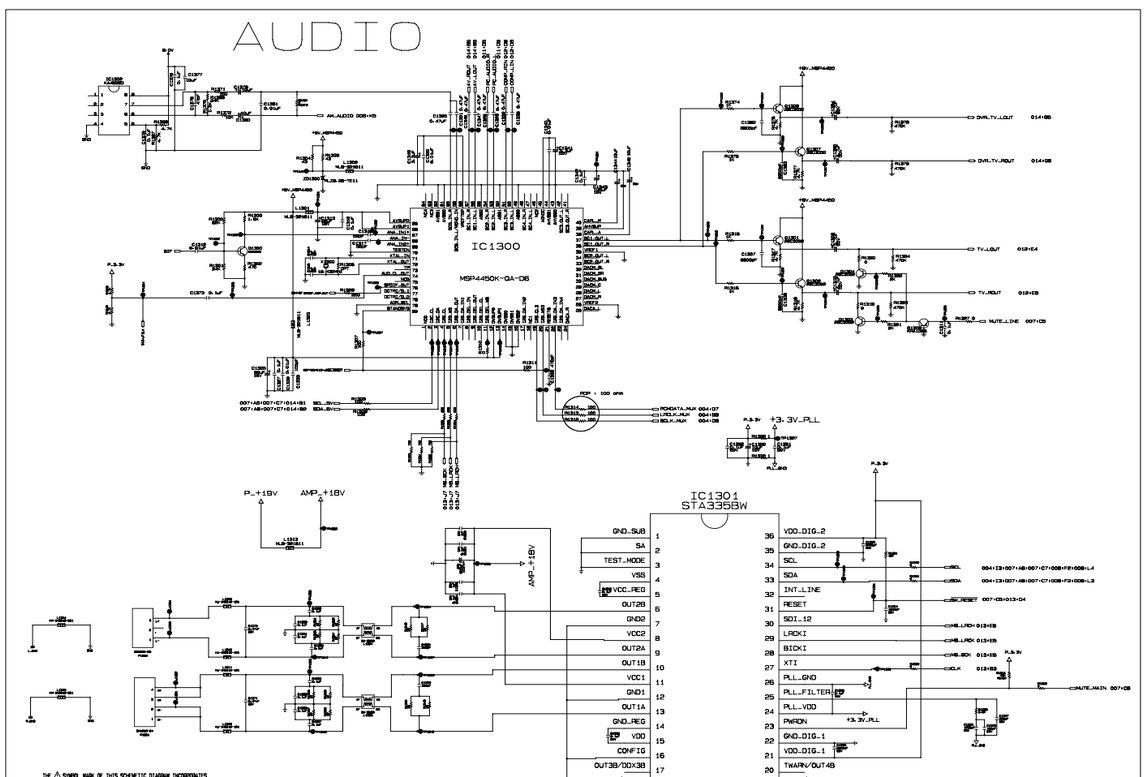
AUDIO



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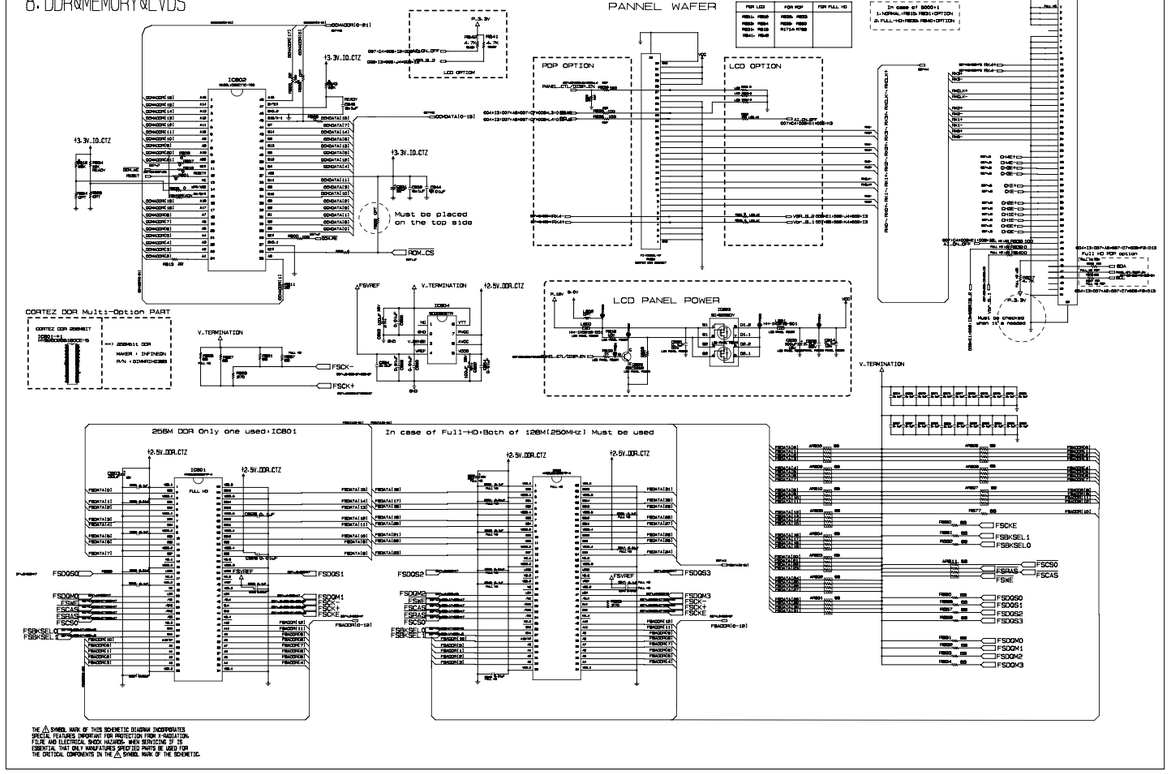
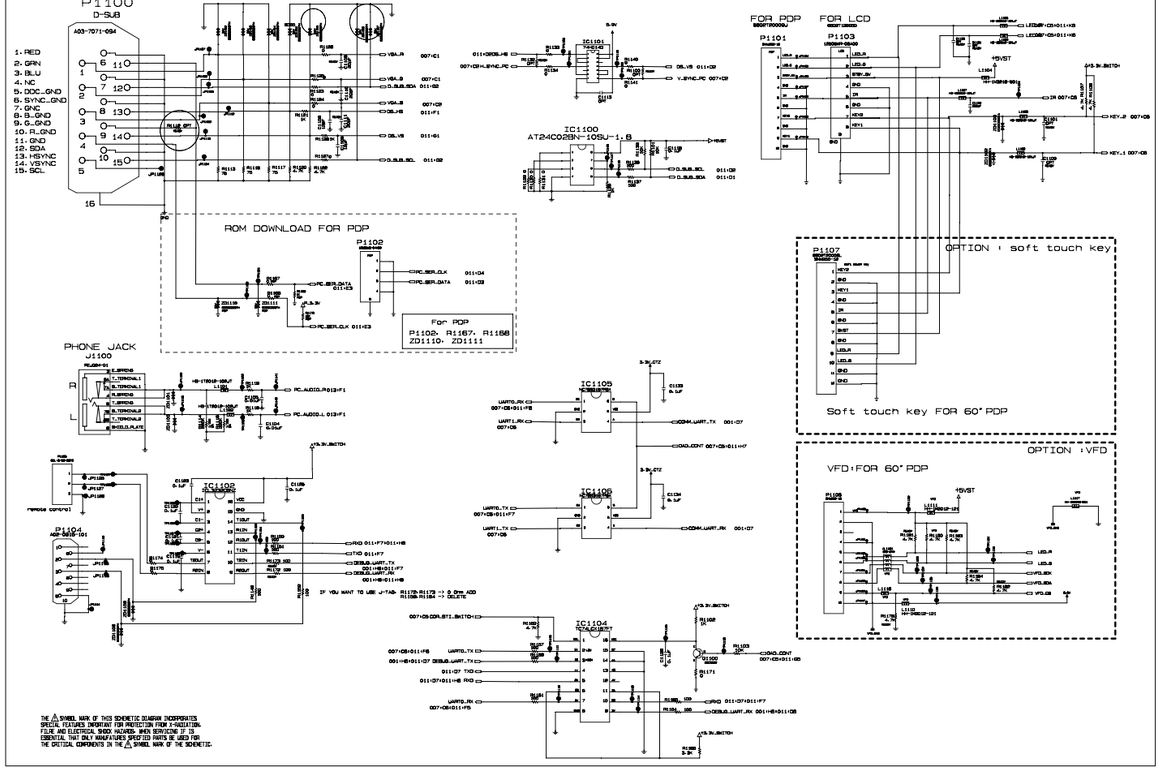
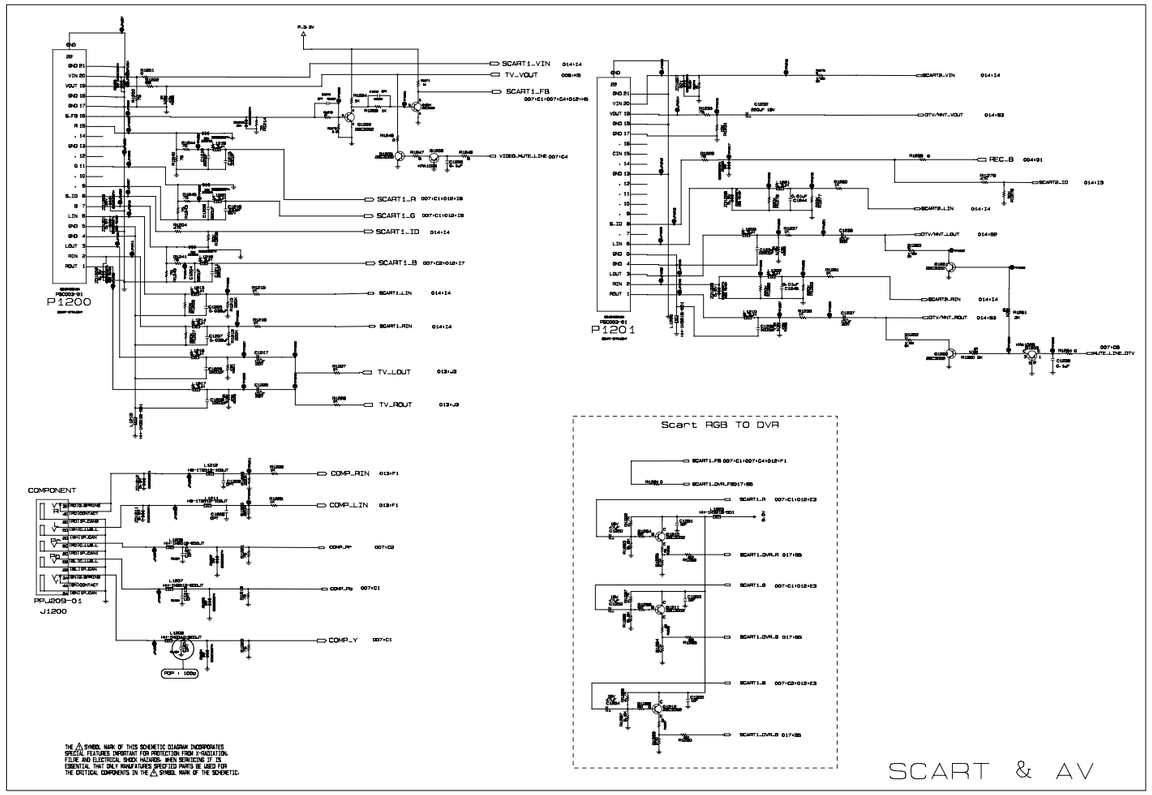
8. DDR&MEMORY&LVDS

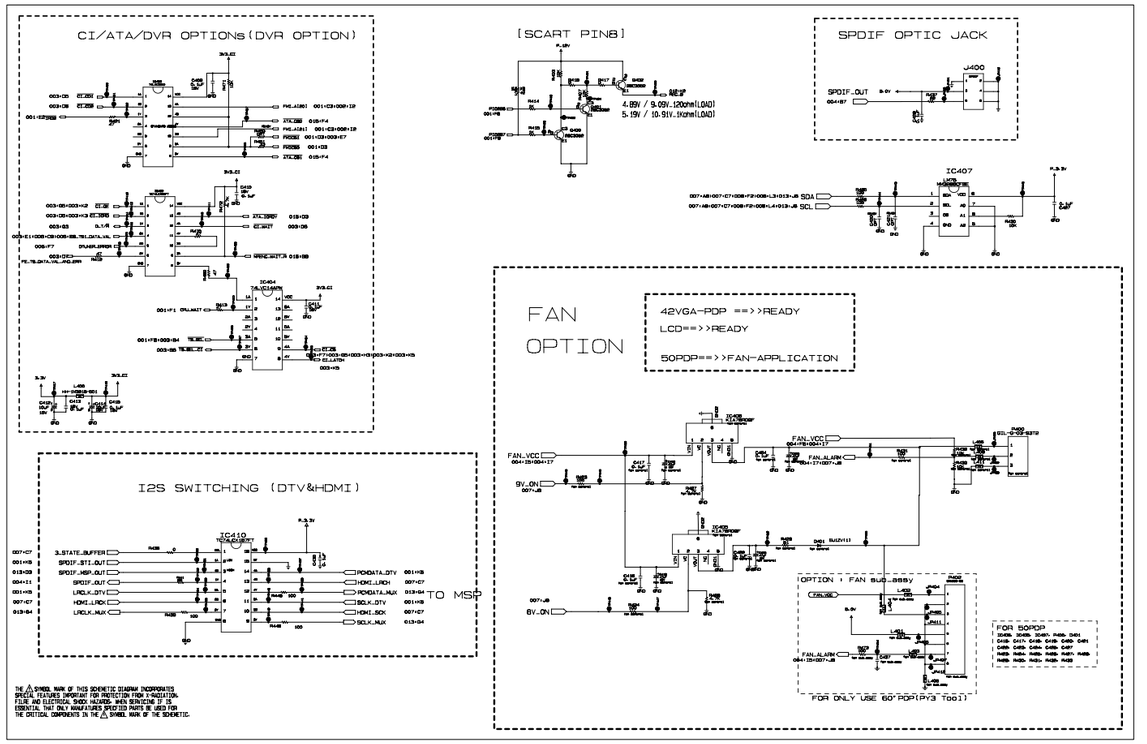


RGB & RS232C





SCART & AV



POWER (ST)

5.0V For only C.I.
Over current protection can be operated

3.3 volt

DDR SDRAM 2.5 VOLT

1.5 Volt VDEC

CPU(ST15100) core 1.25 volt

3.3 Volt VDEC

POWER BLOCK for TUNER
Locate close to the TUNER

3.3V_TUNER

TUNER_3.3V_ON

5.0 volt

⅞ MUST BE PLACED NEAR IC100

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9. POWER

P901

PDP ONLY FOR FAN

LCD PDP P900

OPTION FOR 5000:1 ONLY LCD

OPTION FOR PDP
SUPPLY 5V TO module cont. B/D

STAND-BY

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AV SWITCH

MNT/DTV OUT
SCART2

Side AV
(OPTION)

SCART2 Input
AV2

SCART1 Input
AV1

For DVR

To DVR

Analog Tuner
Input

MAIN OUT
CVBS/S

Front AV(Side AV)
& DIGITAL EYE
P1400

Place close to P1400

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SATA I/F

SATA Power

C1508, C1510, C1511, C1512 place near P1501

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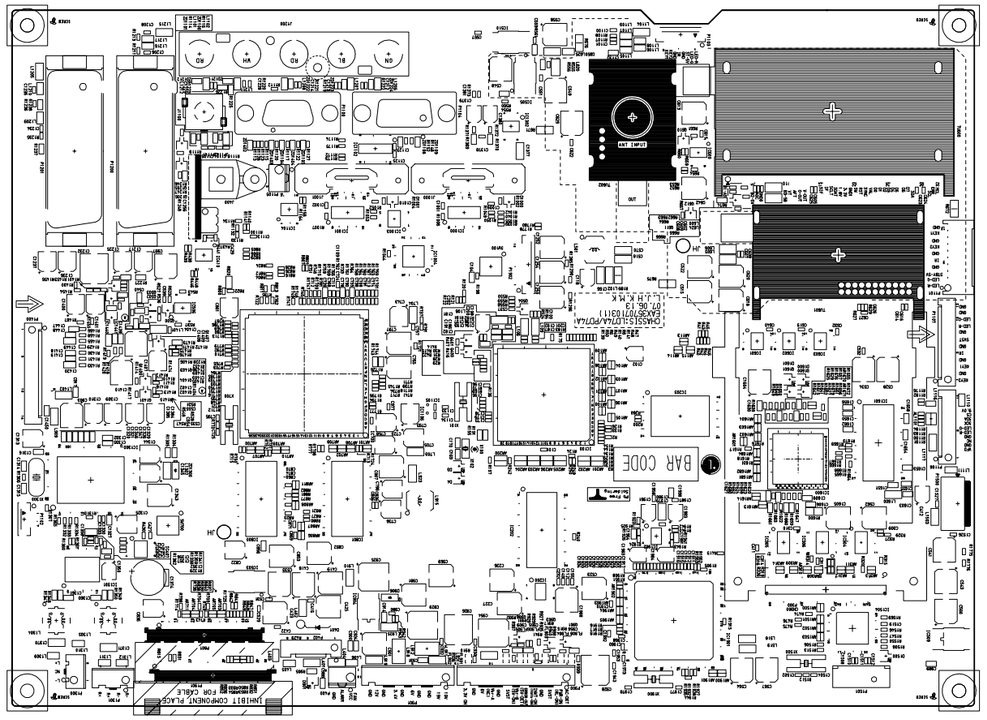
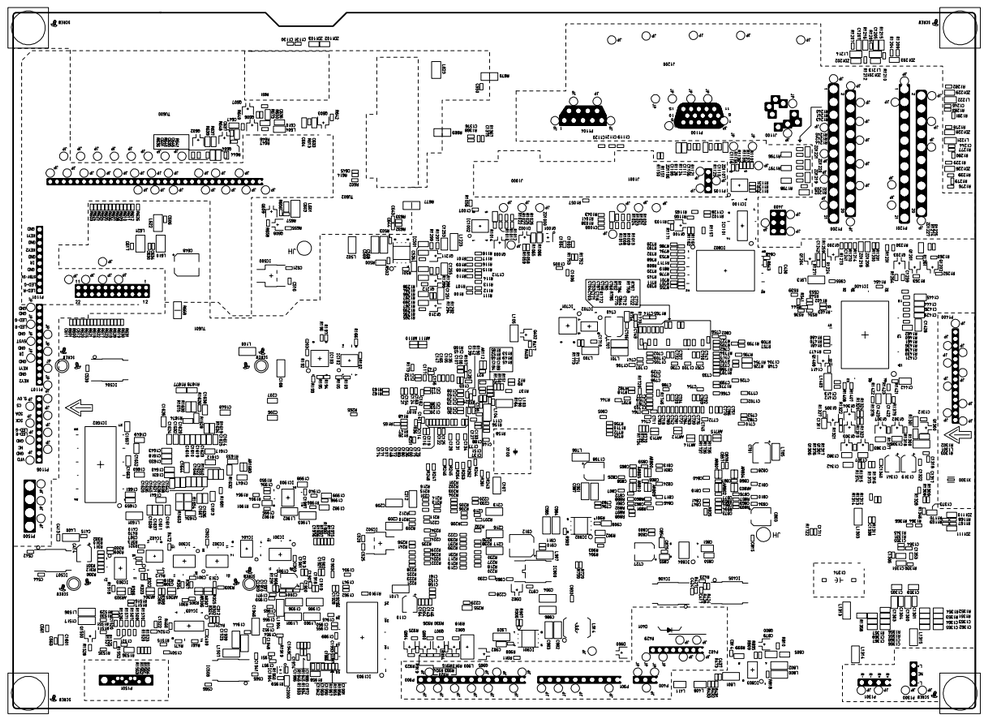
PRINTED CIRCUIT BOARD

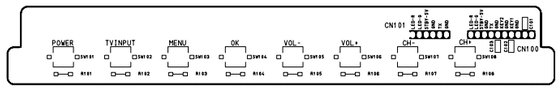
MAIN(TOP)



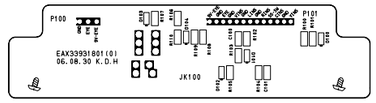
MAIN(BOTTOM)



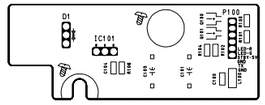
CONTROL



SIDE A/V



SIDE A/V



LG Electronics Inc.

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Sep., 2007
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