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PLASMA TV

SERVICE MANUAL

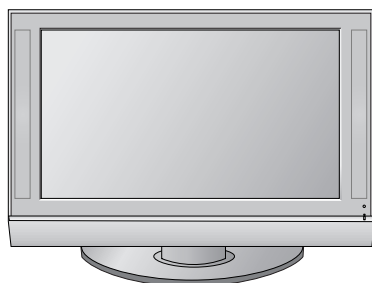
CHASSIS : PP7BA

MODEL : 42PT81

42PT81-ZB

CAUTION

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



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SAFETY PRECAUTIONS

IMPORTANT SAFETY NOTICE

Many electrical and mechanical parts in this chassis have special safety-related characteristics. These parts are identified by $\triangle$ in the Schematic Diagram and Replacement Parts List.

It is essential that these special safety parts should be replaced with the same components as recommended in this manual to prevent 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 its components from being damaged by accidental shorts of the circuitry that may be inadvertently introduced during the service operation.

If any fuse (or Fusible Resistor) in this 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 its 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 $1M\Omega$ and $5.2M\Omega$.

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

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

Leakage Current Hot Check (See below Figure)

Plug the AC cord directly into the AC outlet.

Do not use a line Isolation Transformer during this check.

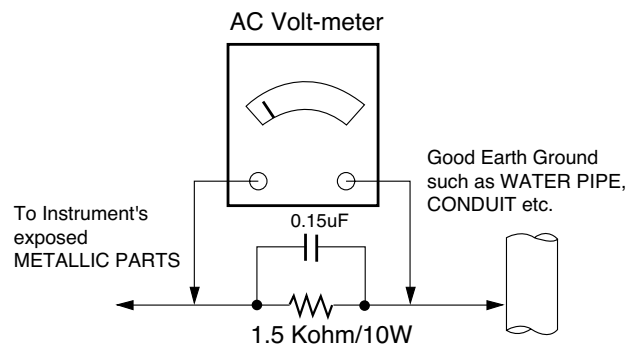
Connect 1.5K/10watt resistor in parallel with a 0.15uF capacitor between a known good earth ground (Water Pipe, Conduit, etc.) and the exposed metallic parts.

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

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

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

Leakage Current Hot Check circuit



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
PP7BA	42PT81-ZB	EU	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
42PT81-ZB	EU	Safety : IEC/EN60065, EMI : EN55013, EMS : EN55020	TEST

■ Module Specification1(42")

No	Item		Specification	Remark
1	Panel		42" XGA PDP	42X4A
2	PDP Module	Outline Dimension	1005 x 597 x 60.7	(H)mm x (V)mm x (D)mm
		Pixel Pitch	0.9 x 0.676 (1 pixel = 3 RGB cells)	mm
		Pixel Format	1024 x 768 Pixels RGB strip arrangement	
		Pixel Type	RGB Closed type	

■ Module Specification2

No	Item	Specification		Remark
1	Market	EU		
2	Broadcasting system	PAL BG//DK, NTSC, SECAM		
3	Available Channel	BAND	PAL	
		VHF/UHF	C1~C69	
		CATV	S1~S47	
4	Receiving system	Upper Heterodyne		
5	Operating Environment	1) Temp : 0 ~ 40 deg 2) Humidity : 10 ~ 90 %RH		
6	Storage Environment	1) Temp : -20 ~ 50 deg 2) Humidity : 10 ~ 90 %RH		
7	Power Consumption	Power on (Green)	≤ 380	1/8W non-clipped max. audio signal. Input voltage 198Vac/60HZ . Full White video input.
8	Stand by	Cool	≤ 1W	
		Warm	≤ 55W	
9	Frequency range	H : 31 ~ 61Khz V : 56 ~ 75Hz		PC Input
10	SCART Jack(2EA)	PAL, SECAM		FULL SCART, HALF SCART
11	Video Input (1EA)	PAL, SECAM, NTSC		SIDE AV
12	S-Video Input (1EA)	PAL, SECAM, NTSC		SIDE S-VIDEO
13	Component Input (1EA)	Y/Cb/Cr, Y/ Pb/Pr		
14	RGB Input (1EA)	RGB-PC		
15	HDMI Input (2EA)	HDMI-PC, HDMI-DTV		
16	RS-232C(1EA)	Remote control, S/W Upgrade		
17	Audio Input (3 EA)	PC Audio, Component (1EA), SIDE AV(1EA)		L/R Input
18	Audio variable out(1EA)			SIDE(1EA)
19	USB Input(1EA)	DivX, MP3, JPEG		

ADJUSTMENT INSTRUCTION

1. Application Object

These instructions are applied to all of the 42" PLASMA TV, PP7BA 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 $25\pm5^{\circ}\text{C}$ of temperature and $65\pm10\%$ of relative humidity if there is no specific designation.
- (4) The input voltage of the receiver must keep 100-220V~, 50/60Hz.
- (5) Before adjustment, execute Heat Run for 30 minutes.

3. Adjustment items

3.1. PCB assembly adjustment items

- (1) Channel memory
 - 1) Download the channel data from BOM to EEPROM by using LGIDS.
- (2) Option adjustment following BOM
 - 1) Push the ADJ key in the Adjust Remocon.
 - 2) Input the Option Number that was specified in the BOM, into the Shipping area.
 - 3) Select "Tool Option1/ Tool Option2/ Area Option" by using $\blacktriangle/\blacktriangledown$ (CH+/-) key, and press the number key(0~9) consecutively.
ex) If the value of Tool Option1 is 7, input the data using number key "7"(Fig.1).
- (3) Color carrier Adjustment.

PPBA/BB 42X4A XGA	
S/W Version	X.XX
DVR Version	X.XX
UTT	XX hr.
Tool Option1	7
Tool Option2	161
Area Option	16
:	

(Fig.1)

3.2. SET assembly adjustment items

- (1) Auto AV Color Balance.
- (2) Adjustment of White Balance.
- (3) Auto Component Color Balance adjustment.
- standard equipment : MSPG925FA.
- (4) Auto RGB Color Balance adjustment.
- standard equipment : MSPG925FA
(At DVR model Case, Please check DVR function like following list)
- (5) Checking DVR Function and HDD
* Check DVR Function as follow on 4-2 and find HDD failure under malfunction.

4. HDD assembly adjustment method

4-1. HDD Format

- 1) Assemble MAIN , DVR Board.
- 2) HDD Format in progress words will create automatically.
- 3) Please, wait for 30~40 seconds.

- (1) HDD Format in progress.



- (2) HDD Format completed.



4-2. Sub Program Download for "DVR" by using USB memory stick

- (1) Connect USB memory stick to SET.
- (2) Set power off -> On
- DVR s/w will be installed automatically.

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.2

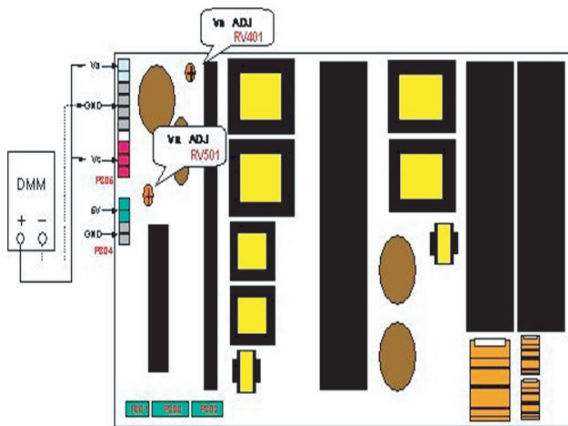
5-3. Adjustment Method

(1) Va Adjustment

- 1) After receiving 100% Full White Pattern, HEAT RUN.
- 2) Connect + terminal of D.M.M to Va pin of P812, connect - terminal to GND pin of P812.
- 3) After turning VR501, voltage of D.M.M adjustment as same as Va voltage which on label of panel right/top. (Deviation; $\pm 0.5V$)

(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 VR401, voltage of D.M.M adjustment as same as Vs voltage which on label of panel right/top. (Deviation; $\pm 0.5V$)



(Fig.2) Connection diagram of power adjustment for measuring

6. ADC Calibration

ADC	RF/AV/S-VIDEO	Component	RGB-PC
MSPG925FA	PAL		
	INPUT	AV1 - TB	Model : 217(720P)
	SELECT	AV3 - ZF	Pattern : 65
	Model : 202 (PAL-BGDHI) Pattern : 65 *100% Color Bar		Model : 60 (1024*768 60Hz) Pattern : 65 *100% Color Bar

* Press the FRONT-AV Key on R/C for converting input mode.
(Change RS-232 Host : pc, BaudRate : 115200bps)

- System control RS-232 Host should be "PC" for adjustment.

* Use the proper signal cable for EDID Download

- Analog EDID : Pin3 exists
- Digital EDID : Pin3 exists

* Never connect HDMI & DVU-D & DVI-A Cable at the same time.

* Use the proper cables below for EDID Writing

* HDMI 1 and HDMI2 is different each other. So you have to Download different EDIT File.

7. EDID

For Analog EDID	For Digital EDID
D-sub to DVI-I	DVI-D to DVI-D
For HDMI EDID	
DVI-D to HDMI or HDMI to HDMI	

7-1. EDID Data

No	Item	Condition	Hex Data
1	Manufacturer	GSM	1E6D
2	Version	Digital : 1	01
3	Revision	Digital : 3	03

7-2. Analog(256Byte)

(1) BLOCK1(128Byte)

	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
00	00	FF	FF	FF	FF	FF	FF	00	1E	6D	1			2		
10		3	01	03	01	46	27	78	EA	D9	B0	A3	57	49	9C	25
20	11	49	4B	A5	6E	80	31	40	01	01	01	01	45	40	01	01
30	61	40	01	01	01	01	1B	21	50	A0	51	00	1E	30	48	88
40	35	00	BC	88	21	00	00	1C	4E	1F	00	80	51	00	1E	30
50	40	80	37	00	BC	88	21	00	00	18	00	00	00	FD	00	38
60	4B	1F	3D	09	00	0A	20	20	20	20	20	20		4		
70															00	5

7-3. HDMI(256Byte)

(1) BLOCK1(128Byte)

	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
00	00	FF	FF	FF	FF	FF	FF	00	1E	6D	1			2		
10		3	01	03	80	46	27	78	EA	D9	B0	A3	57	49	9C	25
20	11	49	4B	A5	6E	80	31	40	01	01	01	01	45	40	01	01
30	61	40	01	01	01	01	1B	21	50	A0	51	00	1E	30	48	88
40	35	00	BC	88	21	00	00	1C	4E	1F	00	80	51	00	1E	30
50	40	80	37	00	BC	88	21	00	00	18				4		
60					4									00	00	FD
70	00	38	4B	1F	3D	09	00	0A	20	20	20	20	20	20	01	5

(2) BLOCK2(128Byte)

	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
00	02	03	24	F1	49	85	04	02	01	03	11	12	13	14	23	09
10	07	07	23	09	07	07	23	09	07	07	83	01	00	00	65	03
20	0C	00	10	00	01	1D	00	80	51	D0	1C	20	40	80	35	00
30	BC	88	21	00	00	1E	8C	0A	D0	8A	20	E0	2D	10	10	3E
40	96	00	13	8E	21	00	00	18	2A	12	00	10	41	43	17	20
50	28	60	35	00	00	00	32	00	00	1C	01	1D	80	18	71	1C
60	16	20	58	2C	25	00	C4	8E	21	00	00	9E	00	00	00	00
70	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	6B

=> Detail EDID Options are below([1], [2], [3],[4], [5])

1. [1]-Product ID

Model Name	Product ID	Product ID	
		Hex	EDID table
42PB4RT			
50PB4RT			
42PT81			
50PT81			

2. [2]-Serial No : Controlled on production line

3. [3]-Month, Year : Controlled on production line

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

Year : '2005' => '0F'

4. [4]-Model Name(Hex):

Model Name																
LG TV	00	00	00	FC	00	4C	47	20	54	56	0A	20	20	20	20	20

5. [5]-Checksum : Changeable by total EDID data

8. Adjustment of RF/AV/S-VIDEO

8-1. Requirement

- (1) This AV color balance adjustment should be performed before white Balance Adjustment.
- (2) After AV color balance adjustment, Change the mode from AV to RF.

8-2. Required Equipment

- (1) Remote controller for adjustment.
 - (2) 802F Pattern Generator, Master(MSPG-925FA), etc.
 - (3) MSPG-925FA Pattern Generator.
(Which has Video Signal : 100% Color Bar Pattern shown in Fig.3)
- > Model : 202 / Pattern : 65



(Fig. 3)

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

- (1) Press the FRONT-AV KEY on R/C for converting input mode.
- (2) Input the Video Signal: 100% Color Bar signal into AV.
- (3) Set the PSM to Dynamic mode in the Picture menu.
- (4) Press INSTANT key on R/C for adjustment.
- (5) Press the ►(Vol.+) key to operate the set, then it becomes automatically.
- (6) Auto-RGB OK means the adjustment is completed.

9. Adjustment of Component

9-1. Required Equipment

- (1) Remote controller for adjustment.
- (2) 802F Pattern Generator, Master(MSPG-925FA), etc.
- (3) MSPG-925FA Pattern Generator.
(Which has 720P@60Hz YPbPr Signal : 100% Color Bar Pattern shown in Fig.4)
-> Model : 217 / Pattern : 65
- (4) It is very import to use correct adjustment pattern like Fig.4.
 - 1) Within the pattern, color sequence should be aligned : White-Yellow-Cyan-Green-Gray-Red-BLUE-BLACK
(If color sequence is reversed (Black -> ...-> White), reverse the pattern with REV key, when using Master pattern generator like MSPG-925)
 - 2) If Minimum Black Level and/or Maximum White Level is not correct, Do select 100% Color Bar Pattern.



(Fig. 4)

9-2. Method of Auto Component Color Balance

- (1) Input the Component 720p 100% Color Bar(MSPG-925FA model:217, pattern:65) signal into Component.
- (2) Set the PSM to Dynamic mode in the Picture menu.
- (3) Press the INSTART key on R/C for adjustment.
- (4) Press the ►(Vol.+) key to operate the set , then it becomes automatically.
- (5) Auto-RGB OK means the adjustment is completed.

10. Adjustment of RGB

10-1. Required Equipment

- (1) Remote controller for adjustment.
- (2) 802F Pattern Generator, Master(MSPG-925FA), etc.
- (3) MSPG-925FA Pattern Generator.
(Which has XGA [1024*768] 60Hz PC Format output signal : 100% Color Bar Pattern shown in Fig.5)
- (4) It is very import to use correct adjustment pattern like Fig.5.
 - 1) Within the pattern, color sequence should be aligned : White-Yellow-Cyan-Green-Gray-Red-BLUE-BLACK
(If color sequence is reversed (Black -> ...-> White), reverse the pattern with REV key, when using Master pattern generator like MSPG-925)
 - 2) If Minimum Black Level and/or Maximum White Level is not correct, Do select 100% Color Bar Pattern.



(Fig. 4)

10-2. Method of Auto RGB Color Balance

- (1) Input the Component 720p 100% Color Bar(MSPG-925FA model:217, pattern:65) signal into Component.
- (2) Set the PSM to Dynamic mode in the Picture menu.
- (3) Press the INSTART key on R/C for adjustment.
- (4) Press the ►(Vol.+) key to operate the set , then it becomes automatically.
- (5) Auto-RGB OK means the adjustment is completed.

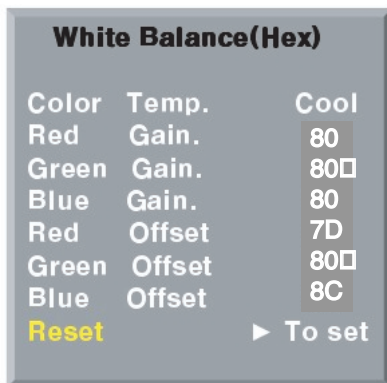
11. White Balance

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

* Notice

- Do the white balance adjustment under the 10LUX
- Before white balance, press the In-start key 2times and do the reset like Fig.6
- Use the Torino inner pattern(216 gray pattern)
- To enter White-balance mode,press the IN-START key 2times.

- System control RS-232 Host should be "PC" for adjustment.



(Fig.6)

11-1. Test Equipment

- (1) Color Analyzer (CA-100),CA-210.

* **Note : When using the Color Analyzer with PDP, recommend the CA-100 more than CA-210. If CA-100 can not available, it is also good th use the CA-210**

- (2) PC(for communication through RS-232C)
-> UART Baud rate : 115200.
- (3) Pattern Generator(MSPG-925FA etc.)

11-2. Color Temperature & Color Coordinates Setting

- (1) When adjusting the Color Temperature of PDP, Color Analyzer CA-210(Matrix should be corrected through CH10 of CS-1000) should be used. When CA-210 have used, it don't need to fit the CH10.
- (2) Adjust the Color Temperature based below adjustment color coordinates.
- (3) Even if CH9 of CA-210 is corrected with Matrix, there may be many character of Module and Filter.
- (4) Therefore Refer to the below Color Coordinates Target. But, in case of WCG module, use the CH12 of CA-210.

◆ Target Value CA-210(CH10), CA-100

CSM	Temp	x	y	Δuv
COOL	11,000K	0.276±0.002	0.283±0.002	+0.000
WARM	6,500K	0.313±0.002	0.329±0.002	+0.003

(R/G/B gain and R/G/B offset Default values are different in according to using module)

◆ Target Value of Brightness, Color Coordinates, Color Temperature

Desired result (216 Gray)			
Brightness	High Light	60 ± 20cd/m2(42XGA)	
Color	High Light	Cool	X: 0.276±0.002, Y: 0.283±0.002
-Coordinate		Normal	X: 0.313±0.002, Y: 0.329±0.002
Color Temperature		Cool	11,000±500K
		Warm	6,500K±500K

Desired result for high altitude(216 Gray)			
Brightness	High Light	50 ± 20cd/m2(80% of non-high altitude)	
Color	High Light	Cool	X: 0.276±0.002, Y: 0.283±0.002
-Coordinate		Normal	X: 0.313±0.002, Y: 0.329±0.002
Color Temperature		Cool	11,000±500K
		Warm	6,500K±500K

11-3 .Manual white Balance (INNER Pattern)

(For White Balance, Adjust twice, Cool and Warm)

- (1) Execute CA-100, CA-210(10CH) or CA-100 Zero Calibration.
- (2) Use torino inner pattern as below Fig.7, Supply 216Level (85 IRE) full screen pattern
- (3) Enter the White Balance adjustment mode by pressing the INSTART key twice(White Balance) on R/C.
- (4) Stick sensor to center of the screen and select each items (Red/Green/Blue Gain and Offset) using ▲/▼ (CH+/-) key on R/C.
- (5) Adjust with R / G / B Gain using ◀/▶ (VOL+/-) key on R/C.
- (6) Adjust it until color coordination becomes as below.

- After All adjustment is completed, Please push "Instop" Key.

◆ Color Temperature : Cool, Medium, Warm

- (1) One of R/G.B Gain should be fixed at 80 and adjust two Gain Value with decreasing the Default values from 80
 - 1) When R Gain is Fixed at Default value(80)
 - Adjust G gain and B gain with decreasing Default values from 80
 - 2) When B Gain is Fixed at Default value(80)
 - Adjust R gain and G gain with decreasing Default values from 80
 - 3) When G Gain is Fixed at Default value(80)
 - Adjust R gain and B gain with decreasing Default values from 80
- (2) R/G/B Gain and R/G/B Offset Default Value.
 - Red Gain : 80
 - Green Gain : 80
 - Blue Gain : 80



(Fig.7)

11-4 .Auto white Balance (INNER Pattern)

No	Command1	Command2	Set ID	Data		
						Mode
Input Select	x	b	00	00h		DTV-Air
				01h		Cable
				10h		RF-Air
				11h		Cable
				20h		AV1
				21h		AV2
				40h		COMP1
				41h		COMP1
				60h		RGB-PC
				90h		HDMI
				Min	Max	INIT
R-Gain_Normal	j	a	00	00h	80h	80h
G-Gain_Normal	j	b	00	00h	80h	80h
B-Gain_Normal	j	c	00	00h	80h	80h
R-Gain_Warm	j	d	00	00h	80h	80h
G-Gain_Warm	j	e	00	00h	80h	80h
B-Gain_Warm	j	f	00	00h	80h	80h
R-Gain_Cool	j	g	00	00h	80h	80h
G-Gain_Cool	j	h	00	00h	80h	80h
B-Gain_Cool	j	i	00	00h	80h	80h
R-Offset_Normal	l	j	00	00h	80h	
G-Offset_Normal	l	k	00	00h	80h	
B-Offset_Normal	l	l	00	00h	80h	
R-Offset_Warm	l	m	00	00h	80h	
G-Offset_Warm	l	n	00	00h	80h	
B-Offset_Warm	l	o	00	00h	80h	
R-Offset_Cool	l	p	00	00h	80h	
G-Offset_Cool	l	q	00	00h	80h	
B-Offset_Cool	l	r	00	00h	80h	
COLOR TEMP.	k	u	00	00h	03h(Cool,Normal,Warm,User)	
Inner Pattern Signal	w	b	00	00	W/B Adjustment Start	
				10	Using Internal Pattern W/B	
				ff	Adjustment Completion	

◆ Input Select Data

: RF(10), AV1~4(20,21,22,23), SAV(30), COMP(40), DVI(50 or 60), HDMI(90)

◆ Command Set

(SET ID : 0 -> ALL, 1~99 -> each SET)

No	Adjustment contents	CMD	SET ID	VAL	Specification
1	POWER ON/OFF	KA(ka)	0~99	0~1	0: OFF, 1: ON
2	MAIN INPUT	XB(xb)	0~99	10~90	RF(10), AV1~4(20,21,22,23), SAV(30), COMP(40), RGB(50 or 60), HDMI(90)
3	ARC	KC(kc)	0~99	1~8	4:3; 16:9; SPECTACLE; ZOOM; ORIGINAL; 14:9; FULL
4	SCREEN MUTE	KD(kd)	0~99	0~1	1: MUTE, 0: MUTE OFF
5	AUDIO MUTE	KE(ke)	0~99	0~1	1: MUTE, 0: MUTE OFF
6	VOLUME	KF(kf)	0~99	0~64	0: 0, 64 : 100 (Hexadecimal)
7	CONTRAST	KG(kg)	0~99	0~64	0: 0, 64 : 100 (Hexadecimal)
8	BRIGHTNESS	KH(kh)	0~99	0~64	0: 0, 64 : 100 (Hexadecimal)
9	COLOR	KI(ki)	0~99	0~64	0: 0, 64 : 100 (Hexadecimal)
10	TINT	KJ(kj)	0~99	0~64	0: R50, 64 : G50 (Hexadecimal)
11	SHARPNESS	KK(kk)	0~99	0~64	0: 0, 64 : 100 (Hexadecimal)
12	OSD ON/OFF	KL(kl)	0~99	0~1	0: OFF, 1: ON
13	CHILD LOCK	KM(km)	0~99	0~1	1: LOCK, 0: OFF
14	PIP MODE	KN(kn)	0~99	0~3	PIP_OFF, PIP, DW1, DW2
15	PIP ARC	KO(ko)			NOT USED
16	PIP POSITION	KQ(kq)			NOT USED
17	TREBLE	KR(kr)	0~99	0~64	0:0, 64:100
18	BASS	KS(ks)	0~99	0~64	0:0, 64:100
19	BALANCE	KT(kt)	0~99	0~64	0:L50, 64:R50
20	COLOR TEMP.	KU(ku)	0~99	0~3	COOL, NORMAL, WARM, USER
21	RED LEVEL	KV(kv)	0~99	0~50	0 : -40, 50 : 40
22	GREEN LEVEL	KW(kw)	0~99	0~50	0 : -40, 50 : 40
23	BLUE LEVEL	K\$(k\$)	0~99	0~50	0 : -40, 50 : 40
24	PIP INPUT	XY(xy)	0~99	10~90	RF(10), AV1~4(20,21,22,23), SAV(30), COMP(40), DVI(50 or 60), ,HDMI(90)
25	CURRENT STATE	KZ(kz)	0~99	FF	ACK is 0, there is Signal ACK is 1, there is No Signal ACK is 2, power Off Status

No	Adjustment contents	CMD	SET ID	VAL	Specification
WHITE BALANCE “J”(A~F)					
26	RED GAIN	JA	0~99	0~3F	0:0, 3F:3F , FF: Current State
27	GREEN GAIN	JB	0~99	0~3F	0:0, 3F:3F , FF: Current State
28	BLUE GAIN	JC	0~99	0~3F	0:0, 3F:3F , FF: Current State
29	RED OFFSET	JD	0~99	0~3F	0:0, 3F:3F , FF: Current State
30	GREEN OFFSET	JE	0~99	0~3F	0:0, 3F:3F , FF: Current State
31	BLUE OFFSET	JF	0~99	0~3F	0:0, 3F:3F , FF: Current State
32	AUTO CONFIG.	JU	0~99	01	The state is not Auto Adjust Condition Send NACK
TUNER CONTROL					
33	SELECT PR.	MA	0~99	0~C7	0: Pr. 0, C7: Pr.199
34	SELECT SUB PR.	MB	0~99	0~C7	0: Pr. 0, C7: Pr.199
FACTORY IR					
35	IR CODE	MC	0~99	Over F0	IR CODE 0, BITMASK = 0X01
ADC Calriblation					
36	Red,Blue,Green Gain	Ja,Jb,Jc	00<E0	Min:00 Max:fe	Initial Value : red -0x79 blue -0x6f green -0x80
37	Red,Blue,Green offset	Jd,Je,Jf	00<90	Min:00 Max:fe	Initial Value : red -0x80 blue -0x82 green -0x80

12. Detail list of SVC Option data

Option		Detail List	Data	Remark
Tool Option1	Maker		CMO	
	Inch		42	
	Tool			
	Tuner Num.			
	EYE			
	INDEX			
	VFD			
	HDMI Type(A)			
	Rear AV			
	BOOST			
Tool Option2		Full		
		Soft Touch		
		Reserved		
Area Option	Option1			
	Option2			
	Option3			
	Option4			
System Control1				
System Control2				
System Control2				
Power-off History				
Panel Control				
Fan Control				

13. Shipped condition

- (1) Push the IN-START key in a Adjust Remocon.
 (2) Input the Option Number that was specified in the BOM, into the Shipping area.
 (3) The work is finished, Push ■ Key.

No	Item		Condition	Remark
1	STATION	Auto Tuning	System/Storage From/Start	
		Manual Tuning	Storage/System/Band/Channel/Fine/S	
			earch/Name	
		Promgrame Edit	To Set	
		Favourite Prog.	-- -- --	
2	PICTURE	Picture Mode	Dynamic/Standard/Mild/User1/User2	
		Color Temperature	Cool	
		XD	Auto	
		Advanced	Cinema : Off	
			Black Level : Disable	
		Aspect Ratio	Spectacle/Full/Original/4:3/ 16:9/14:9/Zoom1/Zoom2	
		Picture Reset	To Set	
		Screen	Disable	
		XD Demo	Disable	
3	SOUND	Sound Mode	SRS TSXT/ Standard/ Music/ Movie/ Sports/ User	
		Auto Volume	Off	
		Balance	0	
		TV Speaker	On	
4	TIME	Clock	Year -- : --	
			Date -- : --	
			Time -- : --	
		Off Time	Off	
			00 : 00	
		On Time	Off	
			00 : 00	
			Volume 30	
			Programme 0	
		Sleep Time	Off	
5	STATION	SPECIAL Language	To Set	
		Country	To Set	
		Input Label	To Set	
		SIMPLINK	Off	
		Key Lock	Off	
		Set ID	Off	
6	DVR	Time Control	On	
		Recorded TV	To Set	
		Manual Recording	To Set	
		Scheduled List	To Set	
		Video Quality	High	
		HDD Format	To Set	

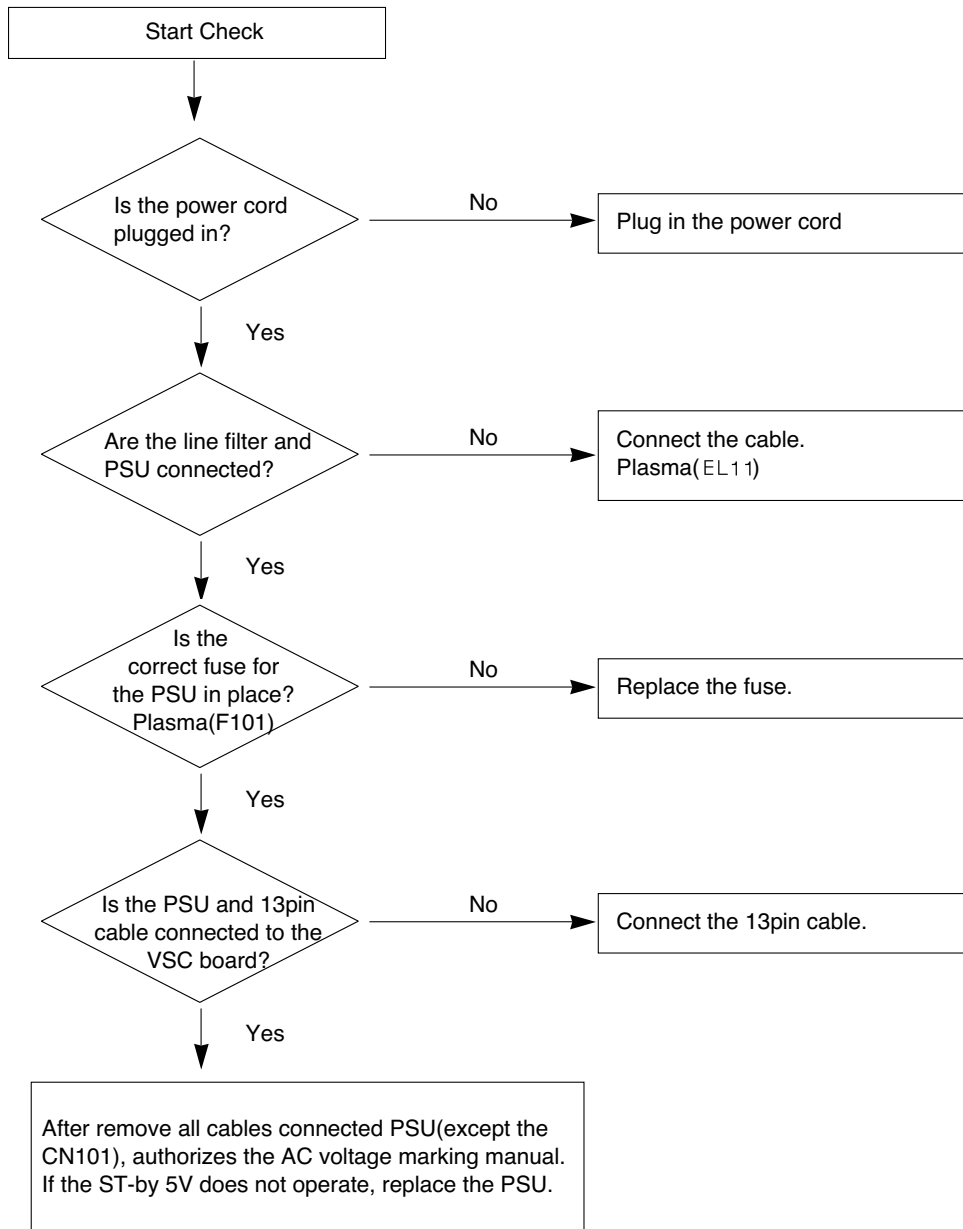
TROUBLESHOOTING

1. No power

(1) Symptom

- 1) Minute discharge does not occur at module.
- 2) Front LED does not activate.

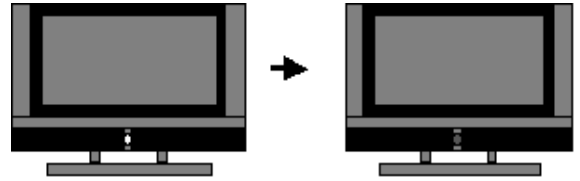
(2) Press check



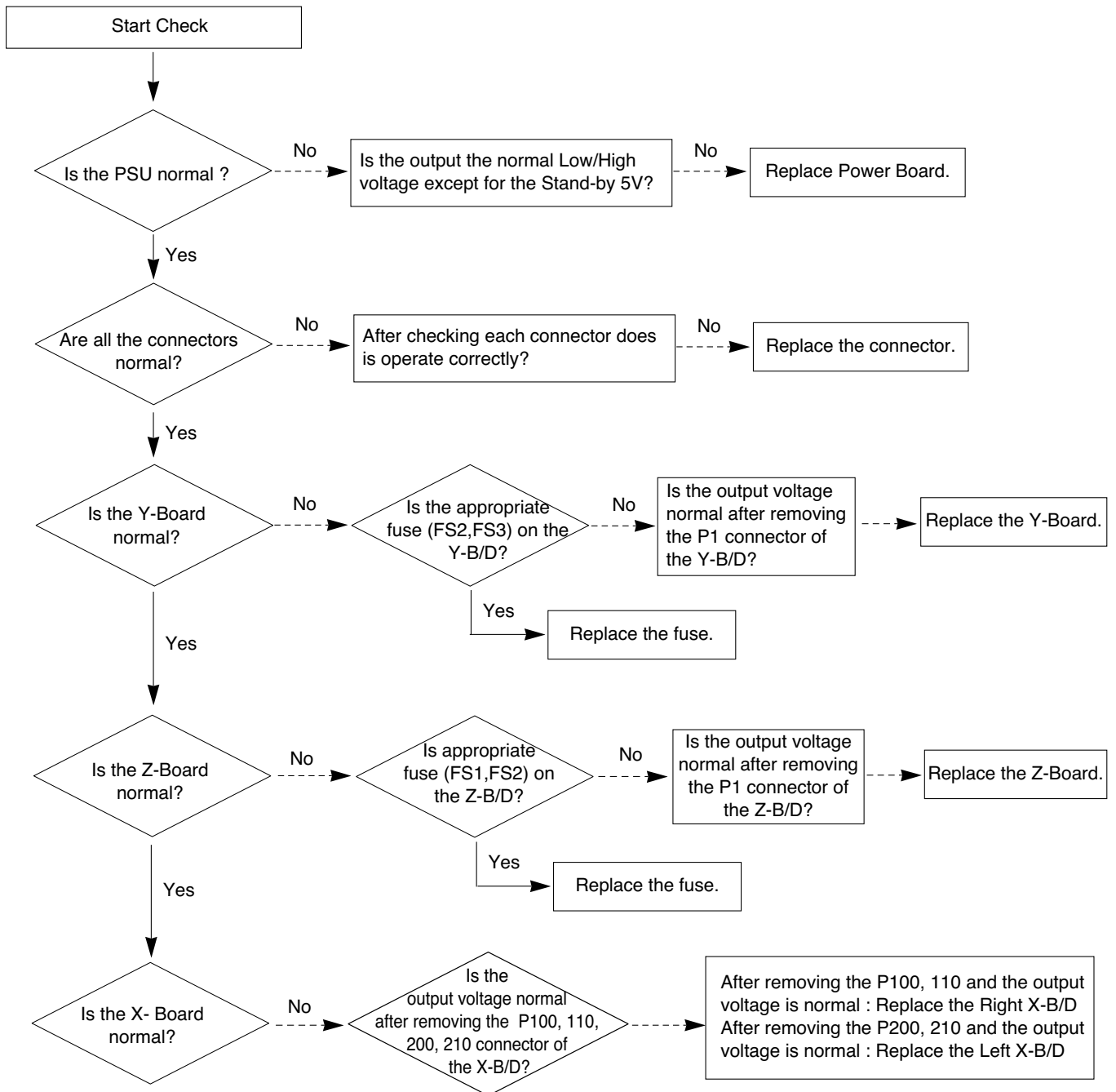
2. Protect mode

(1) Symptom

- 1) After lighting once it does not discharge minutely from the module.
- 2) The relay falls.(there is an audible "Click".)
- 3) The color of the front LED turns from green to red.



(2) Follow check



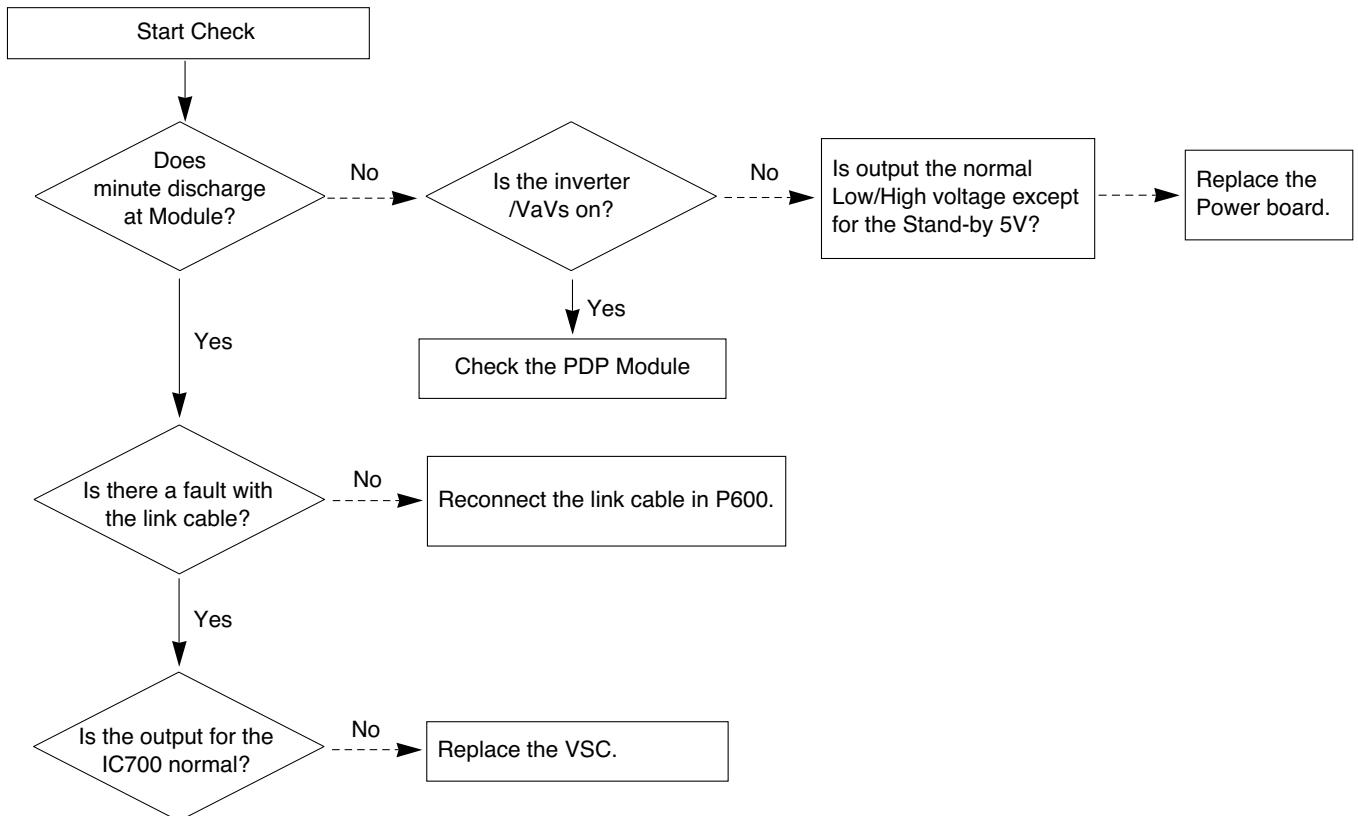
3. No Raster

(1) Symptom

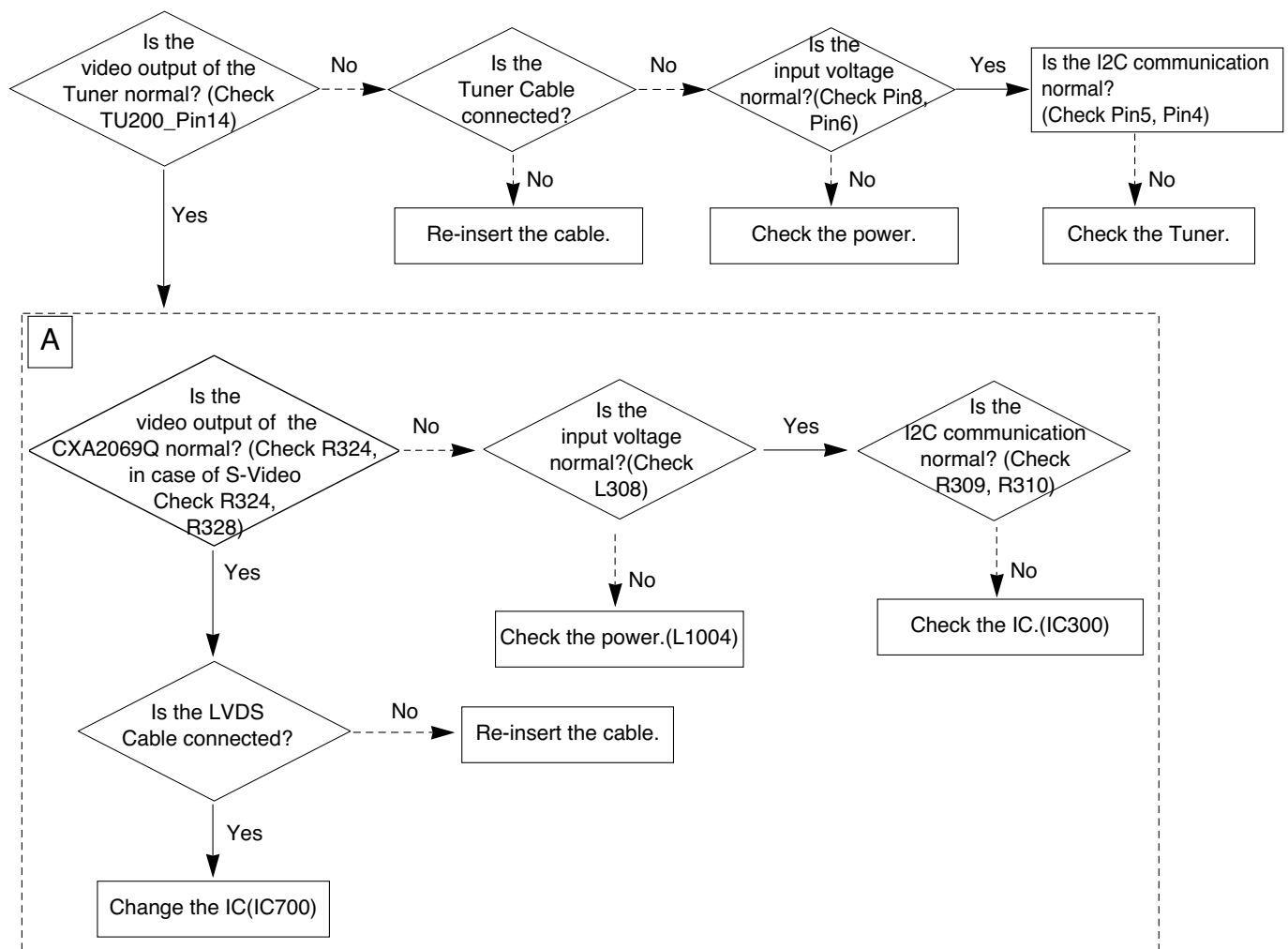
- 1) No OSD or image are displayed on the screen.
- 2) It maintains the condition where the front LED is green.



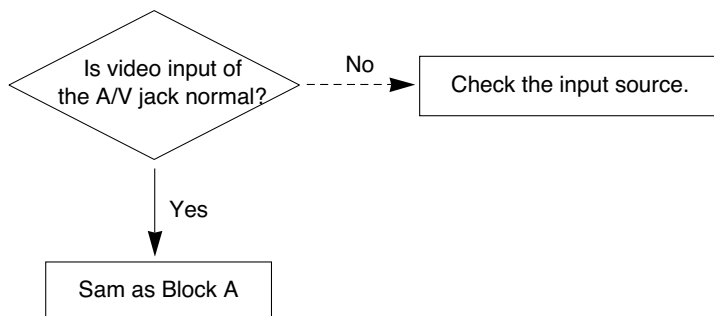
(2) Follow check



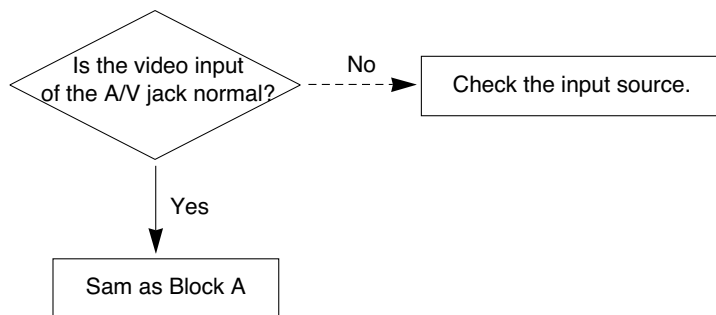
4. In the case an unusual display in RF mode(Main).



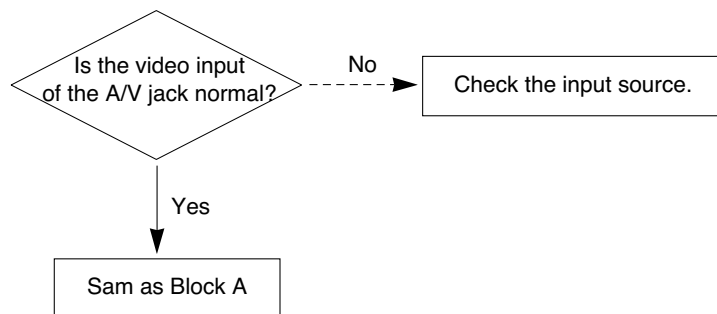
5. In the case of an unusual display in rear AV mode(Main).



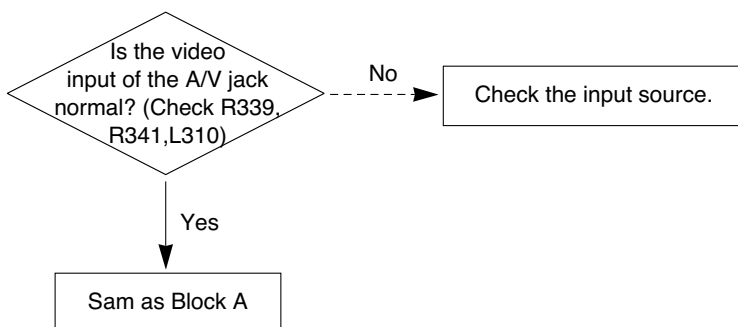
6. In the case of an unusual display in rear S-Video mode(Main).



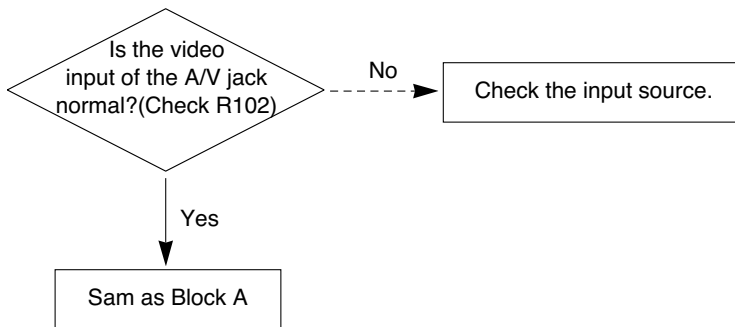
7. In the case of an unusual display in Side AV mode(Main).



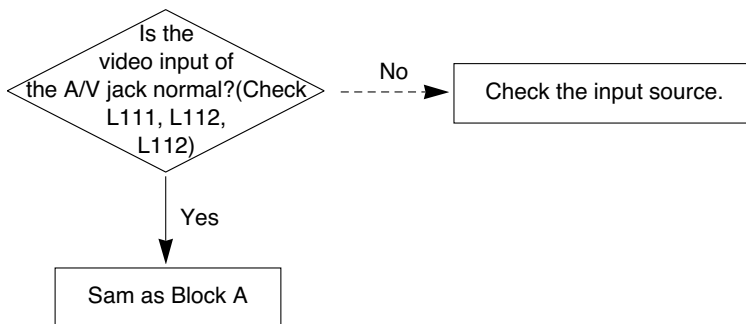
8. In the case of an unusual display in Side S-Video mode(main).



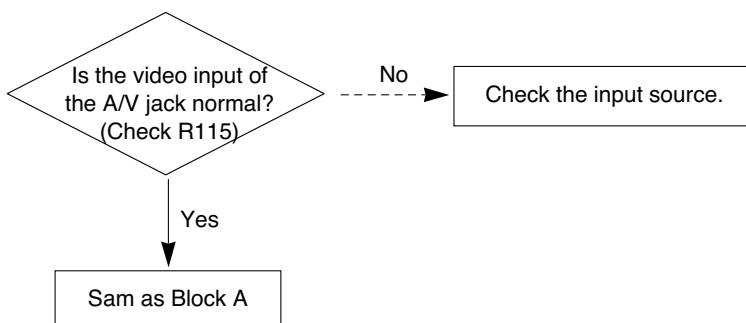
9. In the case of an unusual display in SCART 1 mode(main).



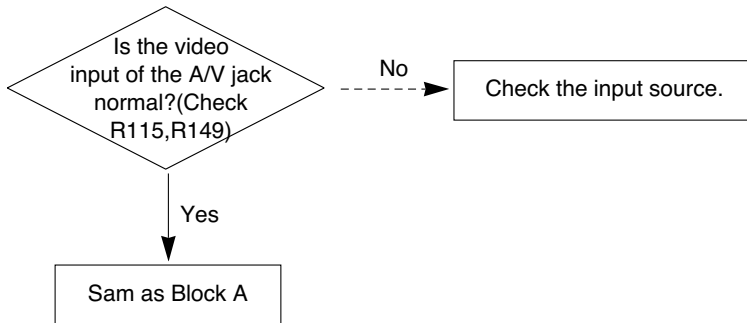
10. In the case of an unusual display in SCART 1_RGB mode(main).



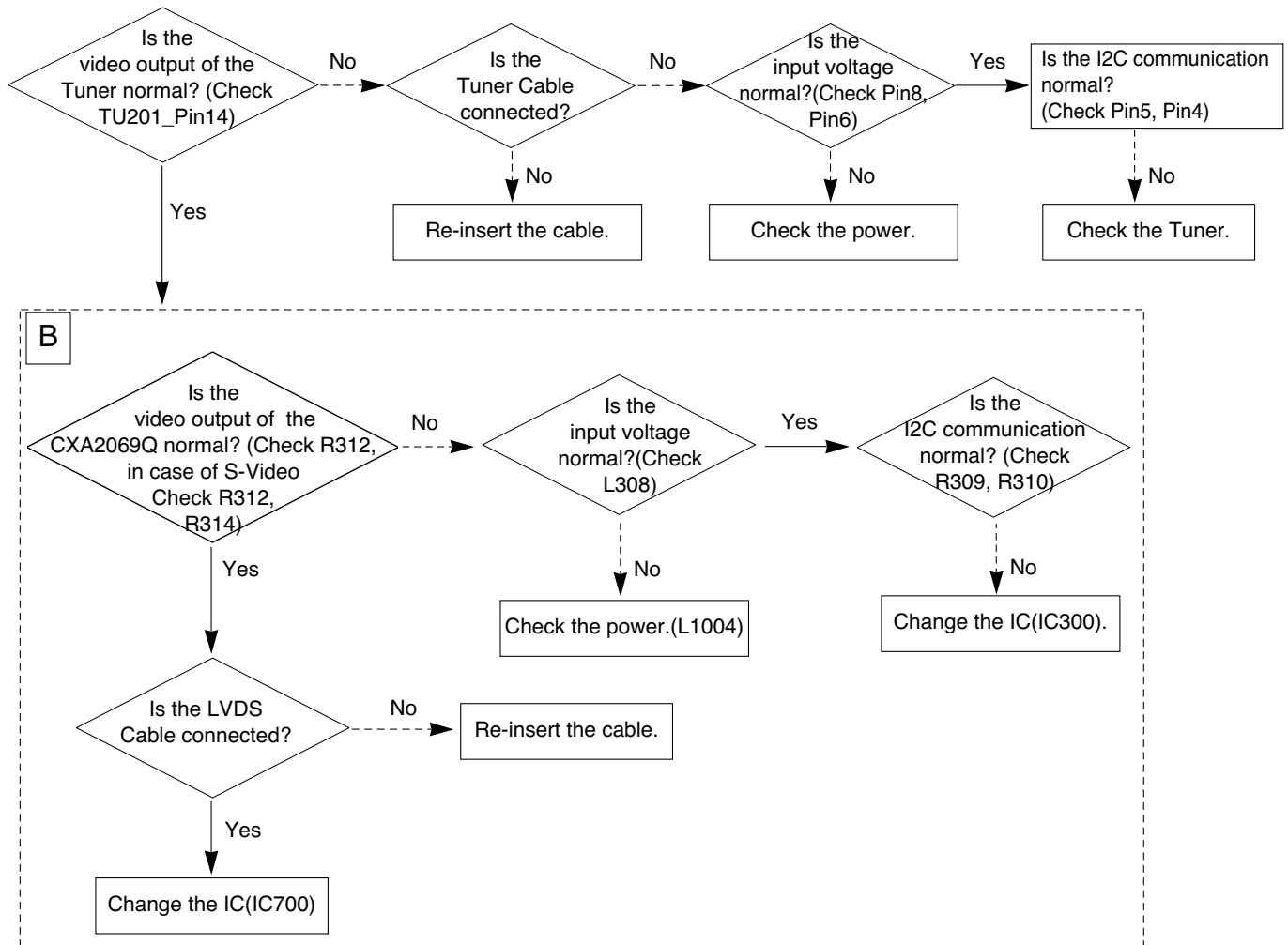
11. In the case of an unusual display in SCART 2 mode(main).



12. In the case of an unusual display in SCART 2_YC mode(main).



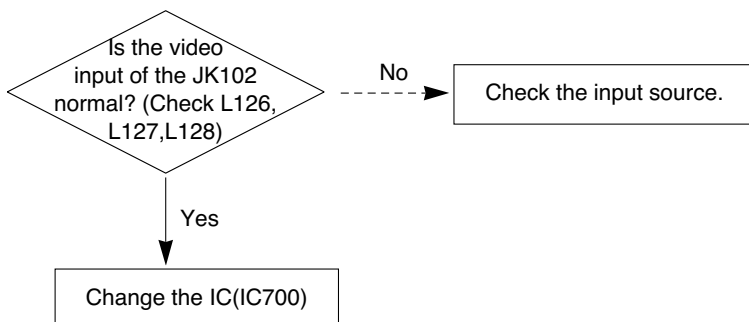
13. In the case an unusual display in RF mode(Sub).



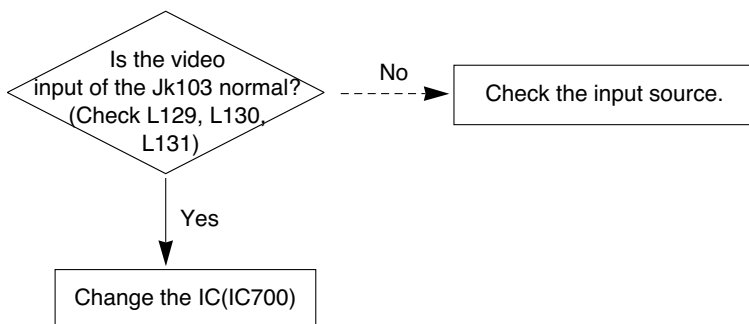
14. In the case PIP doesn't display in other mode(Sub).

- Same as the case of main except block A should be change to B

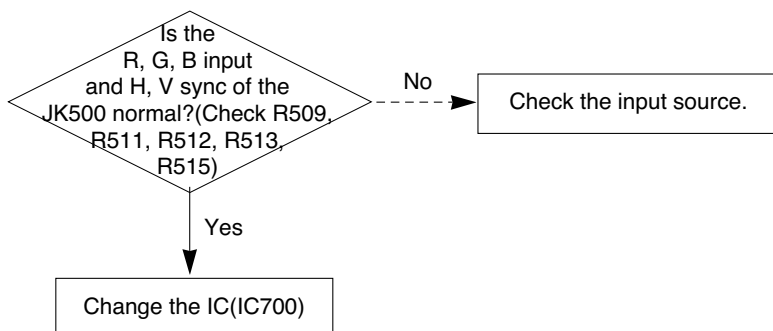
15. In the case of an unusual display in component 1 mode(main/sub).



16. In the case of an unusual display in component 2 mode(main/sub).



17. In the case of an unusual display in RGB mode(main/sub).

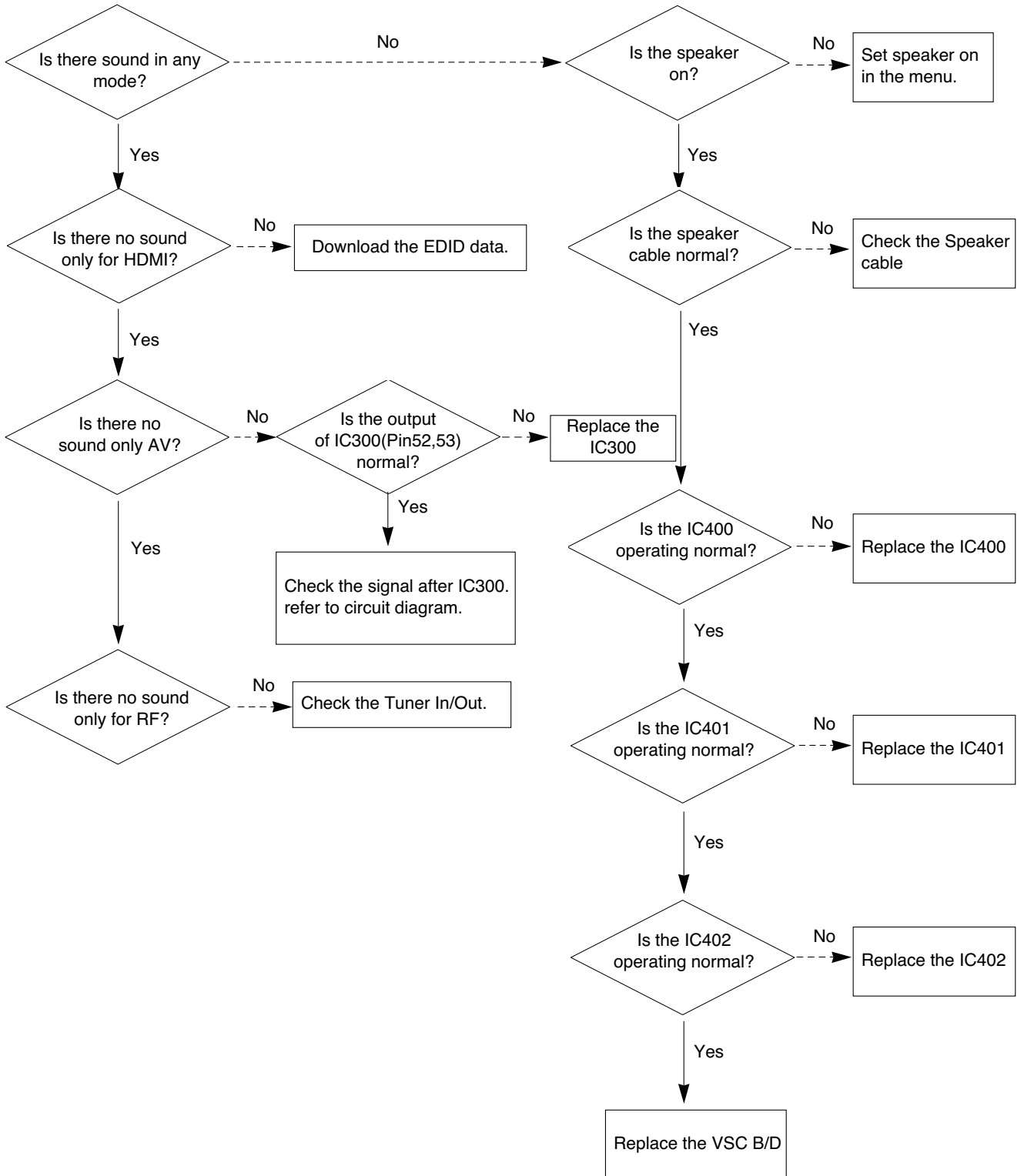


18. No Sound

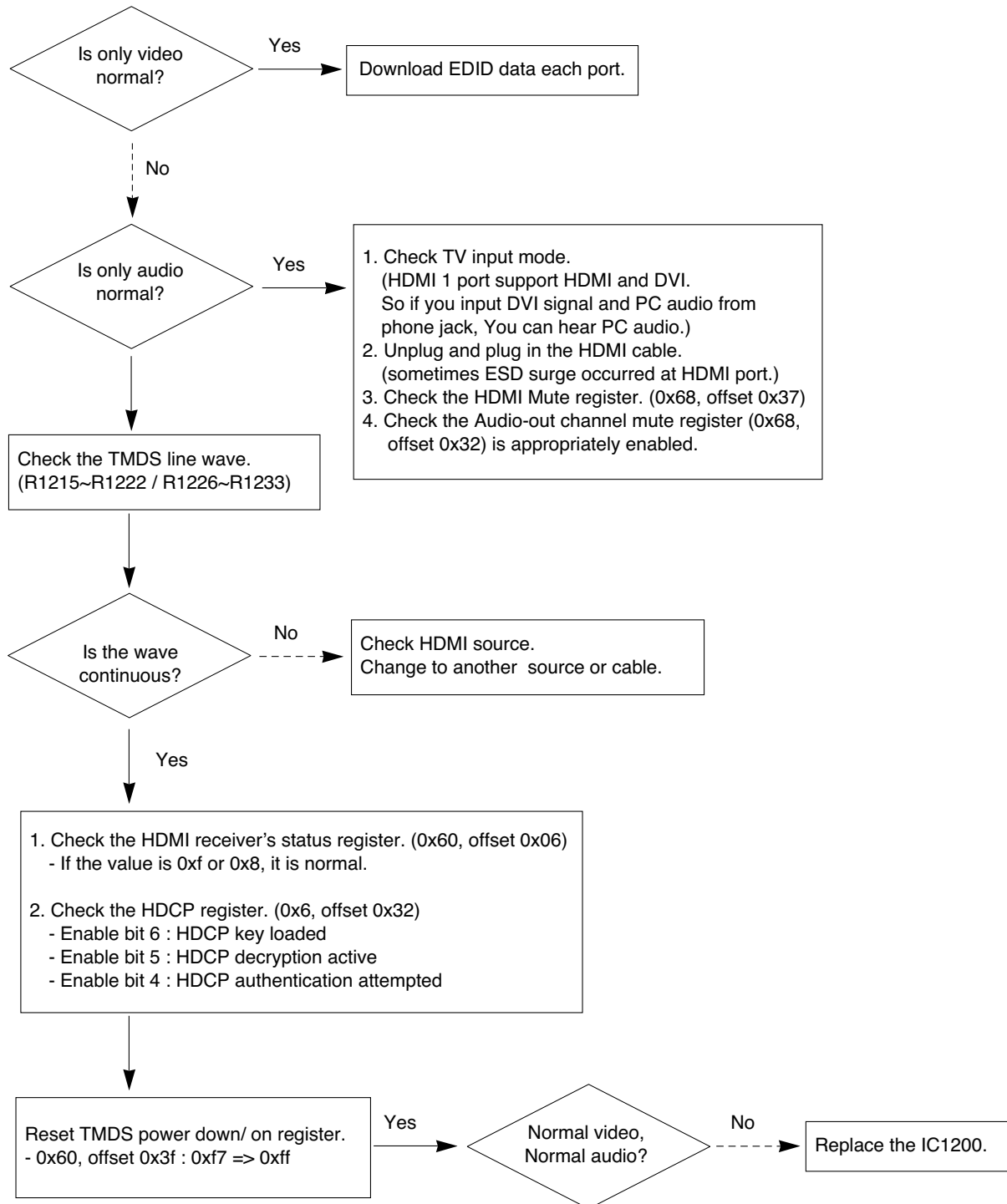
(1) Symptom

- 1) LED is green.
- 2) There is a picture but no sound.

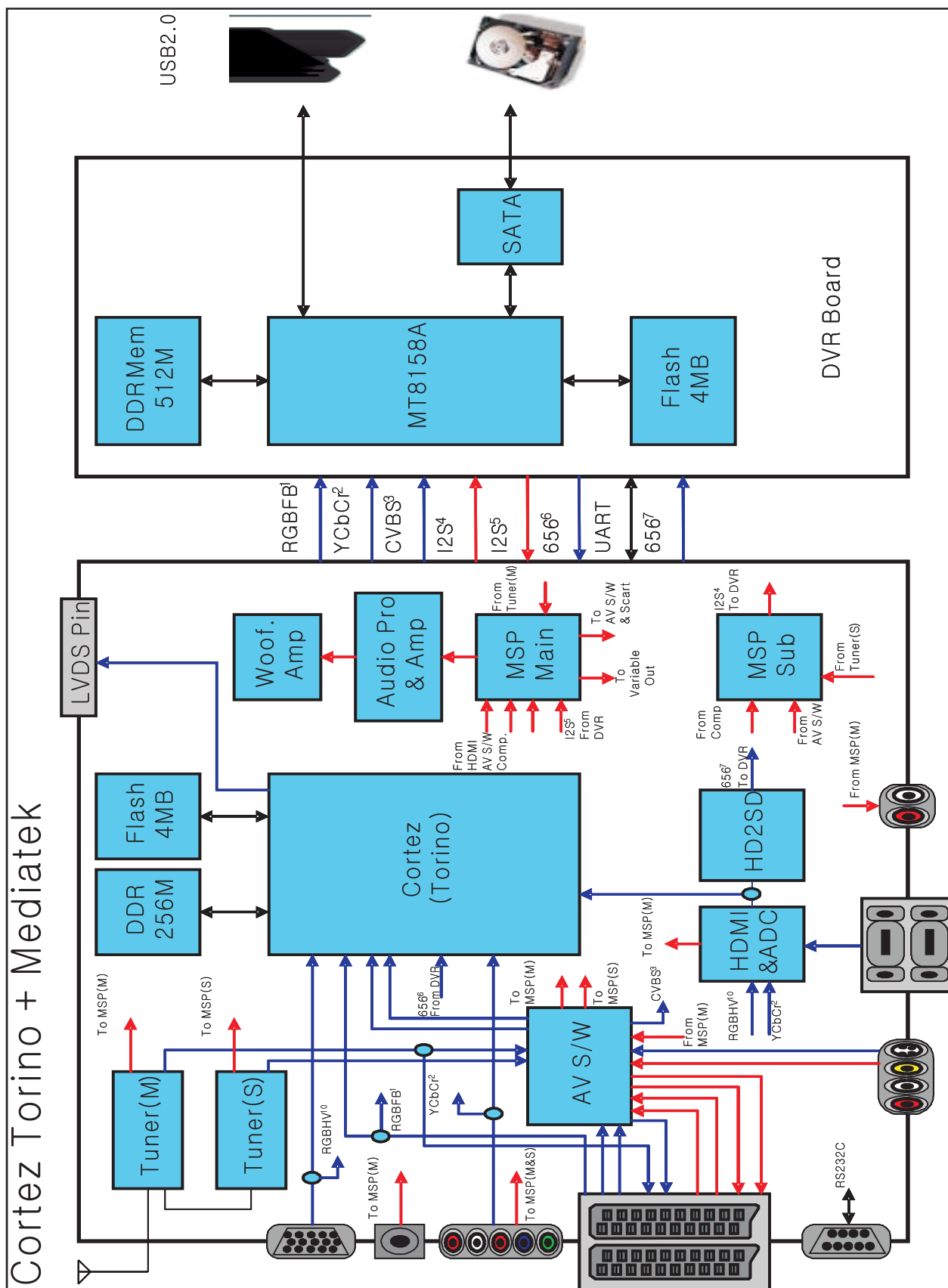
(2) Follow check



19. HDMI mode

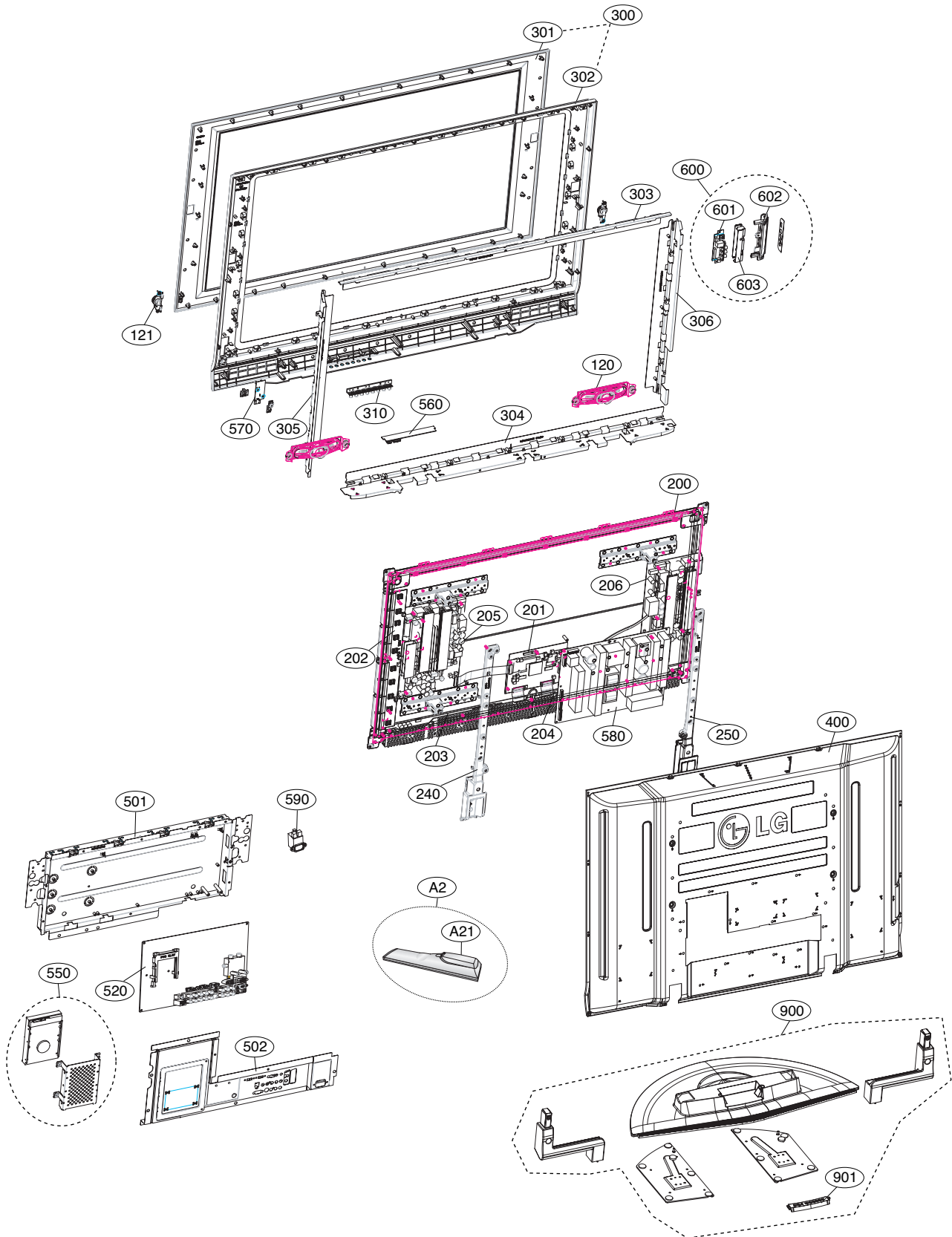


BLOCK DIAGRAM



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	EAJ38199201	PDP, Module-XGA PDP42X40523.AKLGG XGA 42INCH 1024X768 16/9 PDP DIVISION
 201	EBR36954101	Hand Insert PCB Assembly, CTRL ASS'Y HAND INSERT 42" X4A CTRL PDP DIVISION
 202	EBR36939101	Hand Insert PCB Assembly, YDRV ASS'Y HAND INSERT 42" X4A AU Layer 4 PDP DIVISION
 203	EBR36925801	Hand Insert PCB Assembly, XRLT ASS'Y HAND INSERT 42" X4A Layer 4 PDP DIVISION
 204	EBR36939201	Hand Insert PCB Assembly, XRRT ASS'Y HAND INSERT 42" X4A PDP DIVISION
 205	EBR36954501	Hand Insert PCB Assembly, YSUS ASS'Y HAND INSERT 42" X4A YSUS PDP DIVISION
 206	EBR36921701	Hand Insert PCB Assembly, EBR36921701 ZSUS ASS'Y HAND INSERT 42" X4A 2 Layer (OSP) 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" non
 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 NON
 400	ACQ31041501	Cover Assembly, Rear 42PB4 Pacific2 42"
501	AGU30996802	Plate Assembly, AV 60PY30, Plate Tuner Bottom Assy. FOR EURO PASS3
502	AGU30996906	Plate Assembly, REAR AV Plate Tuner Cover Assy. Digital, 42PB4, H4, Analog PVR
520	EBR39182201	Hand Insert PCB Assembly, Main MAIN M.I PP7BA 42PT81-ZB - Hand Insert PCB Assembly
550	EBT39182801	Chassis Assembly, SUB PP7BA 42PT81-ZB HDD Chassis Assembly
560	EBR38051701	Hand Insert PCB Assembly, CONTROL M.I PP79A 42PB4RT-TB - CONTROL KEY HAND INSERT
570	EBR39618601	Hand Insert PCB Assembly, Sub SUB M.I PP7BB 50PB4RTH-MA - PREAMP MANUAL INSERT
 580	EAY32927901	SMPS, 1H371W 100VTO240V 400W 50 TO 60HZ UL/CE/TUV - SANKEN ELECTRIC CO
590	EAM35012706	Filter, AC Line IF2-N06DEWL2 5.3mH 250VAC 6A 0.33uF 1000pF YH396-03 450/130MM VDE/CSA/K CORE ADDTION
600	EBT39183001	Chassis Assembly, SUB PP7BA 42PT81-ZB SIDE AV/USB SUB ASSY
601	EBR38017001	Hand Insert PCB Assembly, SUB M.I PP79A 42PB4RT - SATURN SIDE AV/USB
602	ABA30998708	Bracket Assembly, AV 42/50PT81-ZB PP7BA EU WITH USB SIDE AV BRACKET ASSY
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	MKJ39170809	Remote Controller, COMPLEX PP79A 37LT81-ZF H4 ANALOG PVR R/C For Euro
A21	3550V00590A	Cover, MOLD ABS 50PC3DD-UE.AUSRSR ABS

REPLACEMENT PARTS LIST

DATE: 2007. 09. 04.

LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
CAPACITORS			C111	0CK101BK4EA	C1005C0G1H101JT 100pF 5% 50V C0G
C100	0CK104DK56A	0805B104K500CT 100nF 10% 50V X7R	C1110	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C1000	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R	C1111	0CE227WF6DC	MVK8.0TP16VC220M 220uF 20% 16V 80
C1001	0CE477WF6DC	MVK10TP16VC470M 470uF 20% 16V 80M	C1112	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C1002	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	C1113	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C1003	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	C1114	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C1004	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R -	C1115	0CE477WF6DC	MVK10TP16VC470M 470uF 20% 16V 80M
C1005	0CK474CH94A	0603F474Z250CT 470nF -20TO+80% 25	C1116	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C1006	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	C1117	0CE107WF6DC	MVK6.3TP16VC100M 100uF 20% 16V 11
C1007	0CE476WF6DC	MVK6.3TP16VC47M 47uF 20% 16V 80MA	C1118	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C1008	0CK474CH94A	0603F474Z250CT 470nF -20TO+80% 25	C1119	0CE107WF6DC	MVK6.3TP16VC100M 100uF 20% 16V 11
C101	0CK104DK56A	0805B104K500CT 100nF 10% 50V X7R	C1120	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C101	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	C1121	0CE107WF6DC	MVK6.3TP16VC100M 100uF 20% 16V 11
C1010	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	C1122	0CE107WF6DC	MVK6.3TP16VC100M 100uF 20% 16V 11
C1013	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R	C1125	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C1016	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	C1126	0CE107WF6DC	MVK6.3TP16VC100M 100uF 20% 16V 11
C1017	0CE227SF6DC	MVG6.3TP16VC220M 220uF 20% 16V 13	C1127	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C1018	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R -	C1128	0CE107WF6DC	MVK6.3TP16VC100M 100uF 20% 16V 11
C1019	0CK103BH56A	C1005X7R1E103KT- 10nF 10% 25V X7R	C1129	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C102	0CE1074F638	SRA5.0TP16VB100M 100uF 20% 16V 95	C1130	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C1020	0CE476WF6DC	MVK6.3TP16VC47M 47uF 20% 16V 80MA	C1131	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R -
C1021	0CE107WF6DC	MVK6.3TP16VC100M 100uF 20% 16V 11	C1132	0CE107WF6DC	MVK6.3TP16VC100M 100uF 20% 16V 11
C1022	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R	C1144	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C1023	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	C1145	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C1024	0CE476WF6DC	MVK6.3TP16VC47M 47uF 20% 16V 80MA	C1147	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R -
C1025	0CK103BH56A	C1005X7R1E103KT- 10nF 10% 25V X7R	C1148	0CE227SF6DC	MVG6.3TP16VC220M 220uF 20% 16V 13
C1026	0CE477WF6DC	MVK10TP16VC470M 470uF 20% 16V 80M	C1149	0CK103BH56A	C1005X7R1E103KT- 10nF 10% 25V X7R
C1027	0CK103BH56A	C1005X7R1E103KT- 10nF 10% 25V X7R	C1150	0CE227SF6DC	MVG6.3TP16VC220M 220uF 20% 16V 13
C1028	0CK103BH56A	C1005X7R1E103KT- 10nF 10% 25V X7R	C1152	0CK105CD56A	C1608X7R1A105KT 1uF 10% 10V X7R -
C1029	0CE107WF6DC	MVK6.3TP16VC100M 100uF 20% 16V 11	C1153	0CE106WFKDC	MVK4.0TP16VC10M 10uF 20% 16V 16MA
C103	0CC330CK41A	C1608C0G1H330JT 33pF 5% 50V C0G -	C1161	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C1030	0CK225DFK4A	C2012Y5V1C225MT 2.2uF 20% 16V Y5V	C1162	0CE107WF6DC	MVK6.3TP16VC100M 100uF 20% 16V 11
C104	0CE106SH6DC	VMV106M025S0ANB010 10uF 20% 25V 2	C117	0CE227SF6DC	MVG6.3TP16VC220M 220uF 20% 16V 13
C104	0CE1074F638	SRA5.0TP16VB100M 100uF 20% 16V 95	C1170	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C105	0CE106SH6DC	VMV106M025S0ANB010 10uF 20% 25V 2	C1171	0CE107WF6DC	MVK6.3TP16VC100M 100uF 20% 16V 11
C105	0CH5101K416	C2012C0G1H101JT 100pF 5% 50V C0G	C1172	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C106	0CE227SF6DC	MVG6.3TP16VC220M 220uF 20% 16V 13	C1174	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C106	0CH5101K416	C2012C0G1H101JT 100pF 5% 50V C0G	C1176	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C107	0CE227SF6DC	MVG6.3TP16VC220M 220uF 20% 16V 13	C1178	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C107	0CE337DD618	SMS5.0TP10VB330M 330uF 20% 10V 38	C118	0CE227SF6DC	MVG6.3TP16VC220M 220uF 20% 16V 13
C1100	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	C1180	0CK104DK56A	0805B104K500CT 100nF 10% 50V X7R
C1101	0CE107WF6DC	MVK6.3TP16VC100M 100uF 20% 16V 11	C1181	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R -
C1102	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	C1182	0CE226WF6DC	MVK5.0TP16VC22M 22uF 20% 16V 30MA
C1103	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	C1183	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R -
C1104	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	C1184	0CE106WFKDC	MVK4.0TP16VC10M 10uF 20% 16V 16MA
C1105	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	C1185	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R -
C1106	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	C1186	0CK272CK46A	0603B272J500CT 2.7nF 10% 50V X7R
C1107	0CE107WF6DC	MVK6.3TP16VC100M 100uF 20% 16V 11	C1187	0CE227WF6DC	MVK8.0TP16VC220M 220uF 20% 16V 80
C1108	0CE477WF6DC	MVK10TP16VC470M 470uF 20% 16V 80M	C1188	0CK104DK56A	0805B104K500CT 100nF 10% 50V X7R
C1109	0CE337WJ6D8	MVK12.5TP35VC330M 330uF 20% 35V 4	C1189	0CK102CK56A	0603B102K500CT 1nF 10% 50V X7R -5

LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
C1190	0CK102CK56A	0603B102K500CT 1nF 10% 50V X7R -5	C131	EAE32755801	CL31A106K5HNNNE 10uF 10% 16V X5R
C1200	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	C1310	EAE32166101	CS1005XR473K250CR 0.047uF 10% 25V
C1201	0CE476SF6DC	VMV476M016S0ANC010 47uF 20% 16V -	C1311	EAE32166101	CS1005XR473K250CR 0.047uF 10% 25V
C1205	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	C1313	0CH5470K618	0402N470M500LT 47pF 5% 50V C0G -5
C1207	0CE476SF6DC	VMV476M016S0ANC010 47uF 20% 16V -	C1314	0CH5470K618	0402N470M500LT 47pF 5% 50V C0G -5
C121	0CE106SH6DC	VMV106M025S0ANB010 10uF 20% 25V 2	C1315	0CE226WF6DC	MVK5.0TP16VC22M 22uF 20% 16V 30MA
C1212	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	C1316	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C1213	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	C1319	0CK103BH56A	C1005X7R1E103KT- 10nF 10% 25V X7R
C1214	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	C132	EAE32755801	CL31A106K5HNNNE 10uF 10% 16V X5R
C1215	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	C1320	0CK103BH56A	C1005X7R1E103KT- 10nF 10% 25V X7R
C1216	0CK102CK56A	0603B102K500CT 1nF 10% 50V X7R -5	C1321	0CK103BH56A	C1005X7R1E103KT- 10nF 10% 25V X7R
C1217	0CK102CK56A	0603B102K500CT 1nF 10% 50V X7R -5	C1322	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C1218	0CK102CK56A	0603B102K500CT 1nF 10% 50V X7R -5	C1323	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C1219	0CK102CK56A	0603B102K500CT 1nF 10% 50V X7R -5	C1324	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C122	0CE106SH6DC	VMV106M025S0ANB010 10uF 20% 25V 2	C1325	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C1220	0CK102CK56A	0603B102K500CT 1nF 10% 50V X7R -5	C1326	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C1221	0CK102CK56A	0603B102K500CT 1nF 10% 50V X7R -5	C1327	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C1222	0CE106SH6DC	VMV106M025S0ANB010 10uF 20% 25V 2	C1328	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C1223	0CC180BKFAA	C1005C0G1H180JT 18pF 5% 50V C0G -	C1329	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C1224	0CK103BH56A	C1005X7R1E103KT- 10nF 10% 25V X7R	C133	EAE32755801	CL31A106K5HNNNE 10uF 10% 16V X5R
C1225	0CC180BKFAA	C1005C0G1H180JT 18pF 5% 50V C0G -	C1330	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C1226	0CE106SH6DC	VMV106M025S0ANB010 10uF 20% 25V 2	C1331	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C1227	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	C1332	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C1228	0CK103BH56A	C1005X7R1E103KT- 10nF 10% 25V X7R	C1333	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C1229	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	C1334	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C123	0CE476SF6DC	VMV476M016S0ANC010 47uF 20% 16V -	C1335	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C1230	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	C1336	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C1231	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	C1337	0CK103BH56A	C1005X7R1E103KT- 10nF 10% 25V X7R
C1235	0CK102CK56A	0603B102K500CT 1nF 10% 50V X7R -5	C1338	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C1236	0CK102CK56A	0603B102K500CT 1nF 10% 50V X7R -5	C1339	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C1237	0CK102CK56A	0603B102K500CT 1nF 10% 50V X7R -5	C1340	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C1238	0CK102CK56A	0603B102K500CT 1nF 10% 50V X7R -5	C1341	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C1239	0CK102CK56A	0603B102K500CT 1nF 10% 50V X7R -5	C1342	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C124	0CE476SF6DC	VMV476M016S0ANC010 47uF 20% 16V -	C1343	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C1240	0CK102CK56A	0603B102K500CT 1nF 10% 50V X7R -5	C1344	0CH5220K618	0402N220M500LT 22pF 5% 50V C0G -5
C1241	0CK102CK56A	0603B102K500CT 1nF 10% 50V X7R -5	C1345	0CH5220K618	0402N220M500LT 22pF 5% 50V C0G -5
C1242	0CK102CK56A	0603B102K500CT 1nF 10% 50V X7R -5	C1346	0CK102CK56A	0603B102K500CT 1nF 10% 50V X7R -5
C1243	0CK102CK56A	0603B102K500CT 1nF 10% 50V X7R -5	C1346	0CK102BK56A	0402B102K500CT 1nF 10% 50V X7R -5
C1244	0CE106SH6DC	VMV106M025S0ANB010 10uF 20% 25V 2	C1347	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C1245	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	C1348	0CC120CK41A	C1608C0G1H120JT 12pF 5% 50V C0G -
C1246	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	C1349	0CC120CK41A	C1608C0G1H120JT 12pF 5% 50V C0G -
C1247	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	C1350	0CK102BK56A	0402B102K500CT 1nF 10% 50V X7R -5
C1248	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	C1351	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C125	0CE476SF6DC	VMV476M016S0ANC010 47uF 20% 16V -	C1352	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C1253	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R -	C1353	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C126	0CH5010K116	0805N1R0D500LT 1pF 0.5PF 50V C0G	C1354	0CH5220K618	0402N220M500LT 22pF 5% 50V C0G -5
C127	0CH5010K116	0805N1R0D500LT 1pF 0.5PF 50V C0G	C1355	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C128	0CH5010K116	0805N1R0D500LT 1pF 0.5PF 50V C0G	C1356	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C1300	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	C1357	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C1301	EAE32166101	CS1005XR473K250CR 0.047uF 10% 25V	C1358	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C1302	EAE32166101	CS1005XR473K250CR 0.047uF 10% 25V	C1359	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C1303	EAE32166101	CS1005XR473K250CR 0.047uF 10% 25V	C1360	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C1307	0CE107WF6DC	MVK6.3TP16VC100M 100uF 20% 16V 11	C1361	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C1308	0CE107WF6DC	MVK6.3TP16VC100M 100uF 20% 16V 11	C1362	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C1309	EAE32166101	CS1005XR473K250CR 0.047uF 10% 25V	C1363	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R

LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
C1364	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	C1417	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R -
C1365	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	C1418	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R -
C1366	0CE107WF6DC	MVK6.3TP16VC100M 100uF 20% 16V 11	C1419	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R -
C1367	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	C1420	0CK474CH94A	0603F474Z250CT 470nF -20TO+80% 25
C1368	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	C1421	0CK474CH94A	0603F474Z250CT 470nF -20TO+80% 25
C1369	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	C1500	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C1370	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	C1501	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C1371	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	C1502	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C1372	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	C1503	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C1373	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	C1504	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C1374	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	C1505	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C1375	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	C1506	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C1376	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	C1507	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C1377	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	C1508	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C1378	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	C1509	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C1379	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	C1510	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C1380	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	C1511	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C1381	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	C1512	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C1382	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	C1513	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C1383	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	C1514	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C1384	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	C1515	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C1385	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	C1516	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C1386	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R	C1517	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C1387	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R	C1518	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C1388	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	C1519	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C1389	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	C1520	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C139	EAE32755801	CL31A106K5HNNNE 10uF 10% 16V X5R	C1521	0CK822CK56A	C1608X7R1H822KT 8.2nF 10% 50V X7R
C1390	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	C1522	0CK823CF56A	0603B823K160CT 82nF 10% 16V X7R -
C1391	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	C1523	0CK106CC67A	C1608X5R0J106MT 10uF 20% 6.3V X5R
C1392	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	C1524	0CK473CK56A	C1608X7R1H473KT 47nF 10% 50V X7R
C1393	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	C1525	0CK473CK56A	C1608X7R1H473KT 47nF 10% 50V X7R
C1394	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	C1526	0CK102CK56A	0603B102K500CT 1nF 10% 50V X7R -5
C1395	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	C1527	0CK473CK56A	C1608X7R1H473KT 47nF 10% 50V X7R
C1396	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	C1528	0CK102CK56A	0603B102K500CT 1nF 10% 50V X7R -5
C1397	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	C1529	0CK473CK56A	C1608X7R1H473KT 47nF 10% 50V X7R
C1398	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	C1530	0CK473CK56A	C1608X7R1H473KT 47nF 10% 50V X7R
C140	EAE32755801	CL31A106K5HNNNE 10uF 10% 16V X5R	C1531	0CK473CK56A	C1608X7R1H473KT 47nF 10% 50V X7R
C1400	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	C1532	0CC180CK41A	C1608C0G1H180JT 18pF 5% 50V C0G -
C1401	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	C1533	0CC180CK41A	C1608C0G1H180JT 18pF 5% 50V C0G -
C1402	0CK102CK56A	0603B102K500CT 1nF 10% 50V X7R -5	C200	0CE227SF6DC	MVG6.3TP16VC220M 220uF 20% 16V 13
C1403	0CK102CK56A	0603B102K500CT 1nF 10% 50V X7R -5	C201	0CC270CK41A	C1608C0G1H270JT 27pF 5% 50V C0G -
C1404	0CK102CK56A	0603B102K500CT 1nF 10% 50V X7R -5	C202	0CC271CK41A	C1608C0G1H271JT 270pF 5% 50V C0G
C1405	0CK102CK56A	0603B102K500CT 1nF 10% 50V X7R -5	C203	0CC270CK41A	C1608C0G1H270JT 27pF 5% 50V C0G -
C1406	0CK102CK56A	0603B102K500CT 1nF 10% 50V X7R -5	C204	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R -
C1407	0CK102CK56A	0603B102K500CT 1nF 10% 50V X7R -5	C205	0CC101CK41A	C1608C0G1H101JT 100pF 5% 50V C0G
C1408	0CK102CK56A	0603B102K500CT 1nF 10% 50V X7R -5	C206	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R -
C1409	0CK102CK56A	0603B102K500CT 1nF 10% 50V X7R -5	C207	0CE227WF6DC	MVK8.0TP16VC220M 220uF 20% 16V 80
C141	EAE32755801	CL31A106K5HNNNE 10uF 10% 16V X5R	C208	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R -
C1410	0CK474EK66A	C3216X7R1H474MT 470nF 20% 50V X7R	C209	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R -
C1411	0CK474EK66A	C3216X7R1H474MT 470nF 20% 50V X7R	C210	0CE106SH6DC	VMV106M025S0ANB010 10uF 20% 25V 2
C1412	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	C211	0CE227SF6DC	MVG6.3TP16VC220M 220uF 20% 16V 13
C1413	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	C212	0CE475SK6DC	VMV475M050S0ANB010 4.7uF 20% 50V
C1414	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	C213	0CK273CK56A	0603B273K500CT 27nF 10% 50V X7R -
C1415	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	C214	0CE227SF6DC	MVG6.3TP16VC220M 220uF 20% 16V 13
C1416	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R -	C215	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R -

LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
C216	0CK273CK56A	0603B273K500CT 27nF 10% 50V X7R -	C400	0CE476WF6DC	MVK6.3TP16VC47M 47uF 20% 16V 80MA
C217	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	C401	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C218	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R -	C402	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R -
C219	0CC271CK41A	C1608C0G1H271JT 270pF 5% 50V C0G	C403	0CE107WF6DC	MVK6.3TP16VC100M 100uF 20% 16V 11
C220	0CE227SF6DC	MVG6.3TP16VC220M 220uF 20% 16V 13	C404	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R -
C221	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R -	C405	0CE226WF6DC	MVK5.0TP16VC22M 22uF 20% 16V 30MA
C222	0CE227WF6DC	MVK8.0TP16VC220M 220uF 20% 16V 80	C406	0CH6010K116	C2012C0G1H010DT 1pF 0.5PF 50V C0G
C224	0CK273CK56A	0603B273K500CT 27nF 10% 50V X7R -	C407	0CH6010K116	C2012C0G1H010DT 1pF 0.5PF 50V C0G
C225	0CC101CK41A	C1608C0G1H101JT 100pF 5% 50V C0G	C408	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C226	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R -	C409	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C228	0CC270CK41A	C1608C0G1H270JT 27pF 5% 50V C0G -	C410	0CC560BK41A	C1005C0G1H560JT 56pF 5% 50V C0G -
C229	0CC270CK41A	C1608C0G1H270JT 27pF 5% 50V C0G -	C411	0CC560BK41A	C1005C0G1H560JT 56pF 5% 50V C0G -
C230	0CC331CK41A	C1608C0G1H331JT 330pF 5% 50V C0G	C412	0CE335WK6D8	MVK4.0TP50VC3.3M 3.3uF 20% 50V 14
C2300	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	C413	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C2301	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	C414	0CK103BH56A	C1005X7R1E103KT- 10nF 10% 25V X7R
C2302	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	C415	0CE226WF6DC	MVK5.0TP16VC22M 22uF 20% 16V 30MA
C2303	0CK105CD56A	C1608X7R1A105KT 1uF 10% 10V X7R -	C416	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C2304	0CE106WFKDC	MVK4.0TP16VC10M 10uF 20% 16V 16MA	C417	0CK474CH94A	0603F474Z250CT 470nF -20TO+80% 25
C2306	0CE107WF6DC	MVK6.3TP16VC100M 100uF 20% 16V 11	C418	0CK103BH56A	C1005X7R1E103KT- 10nF 10% 25V X7R
C2307	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R	C419	0CK474CH94A	0603F474Z250CT 470nF -20TO+80% 25
C2308	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	C420	0CK101BK4EA	C1005C0G1H101JT 100pF 5% 50V C0G
C2309	0CE107WF6DC	MVK6.3TP16VC100M 100uF 20% 16V 11	C421	0CK474CH94A	0603F474Z250CT 470nF -20TO+80% 25
C231	0CK103BH56A	C1005X7R1E103KT- 10nF 10% 25V X7R	C422	0CK474CH94A	0603F474Z250CT 470nF -20TO+80% 25
C232	0CK103BH56A	C1005X7R1E103KT- 10nF 10% 25V X7R	C423	0CK474CH94A	0603F474Z250CT 470nF -20TO+80% 25
C300	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R -	C424	0CK474CH94A	0603F474Z250CT 470nF -20TO+80% 25
C301	0CE107SF6DC	VMV107M016S0ANE010 100uF 20% 16V	C425	0CK474CH94A	0603F474Z250CT 470nF -20TO+80% 25
C301	0CE107WF6DC	MVK6.3TP16VC100M 100uF 20% 16V 11	C426	0CK474CH94A	0603F474Z250CT 470nF -20TO+80% 25
C302	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R -	C427	0CK103BH56A	C1005X7R1E103KT- 10nF 10% 25V X7R
C303	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R -	C428	0CK471CK56A	C1608X7R1H471KT 470pF 10% 50V X7R
C304	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	C429	0CK474CH94A	0603F474Z250CT 470nF -20TO+80% 25
C305	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R -	C430	0CK474CH94A	0603F474Z250CT 470nF -20TO+80% 25
C306	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R -	C431	0CE335WK6D8	MVK4.0TP50VC3.3M 3.3uF 20% 50V 14
C307	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	C432	0CE106WFKDC	MVK4.0TP16VC10M 10uF 20% 16V 16MA
C308	0CE107SF6DC	VMV107M016S0ANE010 100uF 20% 16V	C433	0CE106WFKDC	MVK4.0TP16VC10M 10uF 20% 16V 16MA
C308	0CE107WF6DC	MVK6.3TP16VC100M 100uF 20% 16V 11	C434	0CK682CK51A	C1608Y5P1H682KT 6.8nF 10% 50V Y5P
C309	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	C435	0CK682CK51A	C1608Y5P1H682KT 6.8nF 10% 50V Y5P
C310	0CE226WF6DC	MVK5.0TP16VC22M 22uF 20% 16V 30MA	C436	0CK682CK51A	C1608Y5P1H682KT 6.8nF 10% 50V Y5P
C311	0CE476SF6DC	VMV476M016S0ANC010 47uF 20% 16V -	C437	0CK682CK51A	C1608Y5P1H682KT 6.8nF 10% 50V Y5P
C312	0CK103BH56A	C1005X7R1E103KT- 10nF 10% 25V X7R	C438	0CE475WJ6DC	MVK4.0TP35VC4.7M 4.7uF 20% 35V 15
C313	0CK474CH94A	0603F474Z250CT 470nF -20TO+80% 25	C439	0CE475WJ6DC	MVK4.0TP35VC4.7M 4.7uF 20% 35V 15
C314	0CK474CH94A	0603F474Z250CT 470nF -20TO+80% 25	C440	0CE475WJ6DC	MVK4.0TP35VC4.7M 4.7uF 20% 35V 15
C315	0CK225DFK4A	C2012Y5V1C225MT 2.2uF 20% 16V Y5V	C441	0CE475WJ6DC	MVK4.0TP35VC4.7M 4.7uF 20% 35V 15
C316	0CK225DFK4A	C2012Y5V1C225MT 2.2uF 20% 16V Y5V	C442	0CK471CK56A	C1608X7R1H471KT 470pF 10% 50V X7R
C319	0CK474CH94A	0603F474Z250CT 470nF -20TO+80% 25	C443	0CK471CK56A	C1608X7R1H471KT 470pF 10% 50V X7R
C320	0CK474CH94A	0603F474Z250CT 470nF -20TO+80% 25	C444	0CK102CK56A	0603B102K500CT 1nF 10% 50V X7R -5
C321	0CK225DFK4A	C2012Y5V1C225MT 2.2uF 20% 16V Y5V	C445	0CK102CK56A	0603B102K500CT 1nF 10% 50V X7R -5
C322	0CK474CH94A	0603F474Z250CT 470nF -20TO+80% 25	C446	0CE107WF6DC	MVK6.3TP16VC100M 100uF 20% 16V 11
C323	0CK225DFK4A	C2012Y5V1C225MT 2.2uF 20% 16V Y5V	C447	0CE226WF6DC	MVK5.0TP16VC22M 22uF 20% 16V 30MA
C324	0CK474CH94A	0603F474Z250CT 470nF -20TO+80% 25	C448	0CH6010K116	C2012C0G1H010DT 1pF 0.5PF 50V C0G
C325	0CK474CH94A	0603F474Z250CT 470nF -20TO+80% 25	C449	0CH6010K116	C2012C0G1H010DT 1pF 0.5PF 50V C0G
C326	0CK225DFK4A	C2012Y5V1C225MT 2.2uF 20% 16V Y5V	C450	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C327	0CK474CH94A	0603F474Z250CT 470nF -20TO+80% 25	C451	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C328	0CK474CH94A	0603F474Z250CT 470nF -20TO+80% 25	C452	0CC560CK41A	C1608C0G1H560JT 56pF 5% 50V C0G -
C329	0CK225DFK4A	C2012Y5V1C225MT 2.2uF 20% 16V Y5V	C453	0CC560CK41A	C1608C0G1H560JT 56pF 5% 50V C0G -
C330	0CK225DFK4A	C2012Y5V1C225MT 2.2uF 20% 16V Y5V	C454	0CC560CK41A	C1608C0G1H560JT 56pF 5% 50V C0G -

LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
C455	0CE335WK6D8	MVK4.0TP50VC3.3M 3.3uF 20% 50V 14	C522	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C456	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	C523	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C457	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R -	C524	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C458	0CE226WF6DC	MVK5.0TP16VC22M 22uF 20% 16V 30MA	C534	0CC150BK4AA	C1005C0G1H150JT 15pF 5% 50V C0G -
C459	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R	C535	0CC150BK4AA	C1005C0G1H150JT 15pF 5% 50V C0G -
C460	0CK474CH94A	0603F474Z250CT 470nF -20TO+80% 25	C536	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C461	0CK103BH56A	C1005X7R1E103KT- 10nF 10% 25V X7R	C537	0CE106WFKDC	MVK4.0TP16VC10M 10uF 20% 16V 16MA
C462	0CK474CH94A	0603F474Z250CT 470nF -20TO+80% 25	C540	0CE476WF6DC	MVK6.3TP16VC47M 47uF 20% 16V 80MA
C463	0CK101BK4EA	C1005C0G1H101JT 100pF 5% 50V C0G	C541	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C464	0CK474CH94A	0603F474Z250CT 470nF -20TO+80% 25	C542	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C465	0CK474CH94A	0603F474Z250CT 470nF -20TO+80% 25	C542	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C466	0CK103BH56A	C1005X7R1E103KT- 10nF 10% 25V X7R	C543	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C467	0CK474CH94A	0603F474Z250CT 470nF -20TO+80% 25	C543	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C468	0CK471BK56A	C1005X7R1H471KT 470pF 10% 50V X7R	C600	0CK471CK56A	C1608X7R1H471KT 470pF 10% 50V X7R
C469	0CK474CH94A	0603F474Z250CT 470nF -20TO+80% 25	C601	0CK471CK56A	C1608X7R1H471KT 470pF 10% 50V X7R
C470	0CE335WK6D8	MVK4.0TP50VC3.3M 3.3uF 20% 50V 14	C603	0CK471CK56A	C1608X7R1H471KT 470pF 10% 50V X7R
C471	0CE106WFKDC	MVK4.0TP16VC10M 10uF 20% 16V 16MA	C604	0CK471CK56A	C1608X7R1H471KT 470pF 10% 50V X7R
C472	0CE106WFKDC	MVK4.0TP16VC10M 10uF 20% 16V 16MA	C605	0CK471CK56A	C1608X7R1H471KT 470pF 10% 50V X7R
C473	0CK682CK51A	C1608Y5P1H682KT 6.8nF 10% 50V Y5P	C606	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C474	0CK682CK51A	C1608Y5P1H682KT 6.8nF 10% 50V Y5P	C607	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C475	0CE475WJ6DC	MVK4.0TP35VC4.7M 4.7uF 20% 35V 15	C609	0CE226WF6DC	MVK5.0TP16VC22M 22uF 20% 16V 30MA
C476	0CE475WJ6DC	MVK4.0TP35VC4.7M 4.7uF 20% 35V 15	C610	0CC470CK41A	C1608C0G1H470JT 47pF 5% 50V C0G -
C477	0CE106WFKDC	MVK4.0TP16VC10M 10uF 20% 16V 16MA	C611	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C478	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	C612	0CE107WF6DC	MVK6.3TP16VC100M 100uF 20% 16V 11
C479	0CE106WFKDC	MVK4.0TP16VC10M 10uF 20% 16V 16MA	C613	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R -
C480	0CK101BK4EA	C1005C0G1H101JT 100pF 5% 50V C0G	C614	0CH8106F91	MVK4.0TP16VC10M 10uF 20% 16V 16MA
C481	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	C615	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C482	0CK102BK56A	0402B102K500CT 1nF 10% 50V X7R -5	C700	EAE33970001	CS1005X5R105K6R3NR 1uF 10% 6.3V X
C483	0CK102BK56A	0402B102K500CT 1nF 10% 50V X7R -5	C701	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C484	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	C702	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C485	0CK105CD56A	C1608X7R1A105KT 1uF 10% 10V X7R -	C703	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C486	0CE106WFKDC	MVK4.0TP16VC10M 10uF 20% 16V 16MA	C704	EAE33970001	CS1005X5R105K6R3NR 1uF 10% 6.3V X
C487	0CK223CK56A	UMK107JB223KA-T 22nF 10% 50V X7R	C705	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C488	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R	C706	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C489	0CE337WJ6D8	MVK12.5TP35VC330M 330uF 20% 35V 4	C707	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C490	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R -	C708	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C491	0CK333CK56A	C1608X7R1H333KT 33nF 10% 50V X7R	C709	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C492	0CK223CK56A	UMK107JB223KA-T 22nF 10% 50V X7R	C710	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C493	0CK105CF94A	0603F105Z160CT 1uF -20TO+80% 16V	C711	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C494	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	C712	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C495	0CK223CK56A	UMK107JB223KA-T 22nF 10% 50V X7R	C713	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C496	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	C714	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C497	0CK105CF94A	0603F105Z160CT 1uF -20TO+80% 16V	C715	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C498	0CK223CK56A	UMK107JB223KA-T 22nF 10% 50V X7R	C716	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C499	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	C717	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C507	0CC120CK41A	C1608C0G1H120JT 12pF 5% 50V C0G -	C718	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C509	0CK103BH56A	C1005X7R1E103KT- 10nF 10% 25V X7R	C719	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C510	0CK103BH56A	C1005X7R1E103KT- 10nF 10% 25V X7R	C720	0CC300CK41A	C1608C0G1H300JT 30pF 5% 50V C0G -
C511	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R	C721	0CC300CK41A	C1608C0G1H300JT 30pF 5% 50V C0G -
C512	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R	C723	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C513	0CE476SF6DC	VMV476M016S0ANC010 47uF 20% 16V -	C728	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C514	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	C729	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C515	0CE107SF6DC	VMV107M016S0ANE010 100uF 20% 16V	C730	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C516	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R	C731	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C521	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R	C732	0CE226WF6DC	MVK5.0TP16VC22M 22uF 20% 16V 30MA

LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
C733	0CE226WF6DC	MVK5.0TP16VC22M 22uF 20% 16V 30MA	C788	0CE226WF6DC	MVK5.0TP16VC22M 22uF 20% 16V 30MA
C734	0CE226WF6DC	MVK5.0TP16VC22M 22uF 20% 16V 30MA	C789	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C735	0CE226WF6DC	MVK5.0TP16VC22M 22uF 20% 16V 30MA	C790	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C736	0CE226WF6DC	MVK5.0TP16VC22M 22uF 20% 16V 30MA	C791	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R -
C737	0CE226WF6DC	MVK5.0TP16VC22M 22uF 20% 16V 30MA	C792	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C738	0CE226WF6DC	MVK5.0TP16VC22M 22uF 20% 16V 30MA	C793	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C739	0CE226WF6DC	MVK5.0TP16VC22M 22uF 20% 16V 30MA	C794	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C740	0CE226WF6DC	MVK5.0TP16VC22M 22uF 20% 16V 30MA	C795	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C741	0CE226WF6DC	MVK5.0TP16VC22M 22uF 20% 16V 30MA	C796	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C742	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	C797	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C743	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	C798	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C744	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	C799	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R -
C745	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	C800	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C746	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	C801	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C747	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R -	C802	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C748	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	C803	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C749	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	C804	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C750	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	C805	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C751	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R -	C806	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C752	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	C807	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R -
C753	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	C808	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C754	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	C809	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C755	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	C810	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C756	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	C811	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C757	0CE226WF6DC	MVK5.0TP16VC22M 22uF 20% 16V 30MA	C812	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C758	0CE226WF6DC	MVK5.0TP16VC22M 22uF 20% 16V 30MA	C900	0CE226WF6DC	MVK5.0TP16VC22M 22uF 20% 16V 30MA
C759	0CE226WF6DC	MVK5.0TP16VC22M 22uF 20% 16V 30MA	C901	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C760	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	C902	0CK103BH56A	C1005X7R1E103KT- 10nF 10% 25V X7R
C761	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	C903	0CE226WF6DC	MVK5.0TP16VC22M 22uF 20% 16V 30MA
C762	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R -	C904	0CE226WF6DC	MVK5.0TP16VC22M 22uF 20% 16V 30MA
C763	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	C905	0CE226WF6DC	MVK5.0TP16VC22M 22uF 20% 16V 30MA
C764	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	C906	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C765	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	C907	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R -
C766	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	C908	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C767	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	C909	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R -
C768	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	C910	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C769	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	C911	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R -
C770	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	C912	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C771	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	C913	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R -
C772	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	C914	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C773	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	C915	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R -
C774	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	C916	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R
C775	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	C917	0CK103BH56A	C1005X7R1E103KT- 10nF 10% 25V X7R
C776	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R -	C918	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C777	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	C919	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R -
C778	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	C920	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C779	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	C921	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R -
C780	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R -	C922	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C781	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	C923	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R -
C782	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R -	C924	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C783	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	C925	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R -
C784	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	C926	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C785	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	C927	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R -
C786	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	C928	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R
C787	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	C929	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R -

LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
C930	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	D508	EAH33945901	CDS3C30GTH 30V 50V 120V 1.9A 1W S
C931	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	D509	EAH33945901	CDS3C30GTH 30V 50V 120V 1.9A 1W S
C932	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R -	D510	EAH33945901	CDS3C30GTH 30V 50V 120V 1.9A 1W S
C933	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	D511	EAH33945901	CDS3C30GTH 30V 50V 120V 1.9A 1W S
C934	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R -	D512	EAH33945901	CDS3C30GTH 30V 50V 120V 1.9A 1W S
C935	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	D513	EAH33945901	CDS3C30GTH 30V 50V 120V 1.9A 1W S
C936	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R -	D514	EAH33945901	CDS3C30GTH 30V 50V 120V 1.9A 1W S
C937	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	D515	EAH33945901	CDS3C30GTH 30V 50V 120V 1.9A 1W S
C938	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R -	D516	EAH33945901	CDS3C30GTH 30V 50V 120V 1.9A 1W S
C939	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	ZD100	EAH33946001	CDS3C05GTA 5.6V 6.4V 19V 1.9A 1W
C940	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R -	ZD100	0DZ510009EE	UDZS5.1B 5.1V 4.98TO5.2V 80OHM 20
C941	0CK104CK56A	0603B104K500CT 100nF 10% 50V X7R	ZD101	EAH33946001	CDS3C05GTA 5.6V 6.4V 19V 1.9A 1W
C942	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R -	ZD101	0DZ510009EE	UDZS5.1B 5.1V 4.98TO5.2V 80OHM 20
C943	0CK103CK56A	0603B103K500CT 10nF 10% 50V X7R -	ZD102	EAH33945901	CDS3C30GTH 30V 50V 120V 1.9A 1W S
C945	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R	ZD103	EAH33945901	CDS3C30GTH 30V 50V 120V 1.9A 1W S
C946	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R	ZD104	EAH33945901	CDS3C30GTH 30V 50V 120V 1.9A 1W S
C947	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R	ZD105	EAH33945901	CDS3C30GTH 30V 50V 120V 1.9A 1W S
C948	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R	ZD106	EAH33945901	CDS3C30GTH 30V 50V 120V 1.9A 1W S
C949	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R	ZD107	EAH33945901	CDS3C30GTH 30V 50V 120V 1.9A 1W S
C950	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R	ZD108	EAH33945901	CDS3C30GTH 30V 50V 120V 1.9A 1W S
C951	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R	ZD109	EAH33945901	CDS3C30GTH 30V 50V 120V 1.9A 1W S
C952	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R	ZD110	EAH33946001	CDS3C05GTA 5.6V 6.4V 19V 1.9A 1W
C953	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R	ZD111	EAH33946001	CDS3C05GTA 5.6V 6.4V 19V 1.9A 1W
C954	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R	ZD112	EAH33946001	CDS3C05GTA 5.6V 6.4V 19V 1.9A 1W
C955	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R	ZD113	EAH33946001	CDS3C05GTA 5.6V 6.4V 19V 1.9A 1W
C956	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R	ZD114	EAH33945901	CDS3C30GTH 30V 50V 120V 1.9A 1W S
C957	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R	ZD115	EAH33945901	CDS3C30GTH 30V 50V 120V 1.9A 1W S
C958	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R	ZD116	EAH33945901	CDS3C30GTH 30V 50V 120V 1.9A 1W S
C959	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R	ZD400	0DZRM00248A	RLZ8.2B 8.2V 7.78TO8.19V 80HM 500
C960	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R	ZD401	0DZRM00248A	RLZ8.2B 8.2V 7.78TO8.19V 80HM 500
C961	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R	ZD605	0DR050008AA	SD05.TC - 6V 14.5V 24A 350W SOD32
C962	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R	LEDs		
C963	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R	D101	0DL200000CA	SAM5670(DL-2LRG) ROUND 4.8MM Y-GR
C964	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R	LD1003	0DL233309AC	SAM2333 RED/Y-GREEN 2.7V 2.8V 30m
C965	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R	LD1104	0DL233309AC	SAM2333 RED/Y-GREEN 2.7V 2.8V 30m
C966	0CK104BF56A	C1005X7R104KET 100nF 10% 16V X7R	LD1301	0DL233309AC	SAM2333 RED/Y-GREEN 2.7V 2.8V 30m
C967	0CK226FF67A	EMK325BJ226MM-T 22uF 20% 16V X5R	LD1302	0DL233309AC	SAM2333 RED/Y-GREEN 2.7V 2.8V 30m
C968	0CK226FF67A	EMK325BJ226MM-T 22uF 20% 16V X5R	ICs		
C969	0CK226FF67A	EMK325BJ226MM-T 22uF 20% 16V X5R	IC100	0ISTLON037A	NL17SZ17DFT2G 1.65TO5.5V 0.001mA
DIODEs			IC1000	0IPMG78341A	AZ1085S-3.3TR/E1,LF 12V 3.3V 0W T
D1102	0DS226009AA	KDS226 1.2V 85V 300MA 2A 4NSEC 15	IC1000	0IPMG78341A	AZ1085S-3.3TR/E1,LF 12V 3.3V 0W T
D1103	0DS226009AA	KDS226 1.2V 85V 300MA 2A 4NSEC 15	IC1001	0IPMG78341A	AZ1085S-3.3TR/E1,LF 12V 3.3V 0W T
D1104	0DR340009AA	MBRS340 525MV 40V 4A 0SEC 0F 0W D	IC1003	0IPRPL001A	MIC39100 2.3TO26V 0 0W SOT223 R/T
D1200	0DD184009AA	KDS184 KDS184 TP KEC - 85V - - -	IC1004	EAN34140401	AZ1085S-1.8TRE1 1.238V to 12V 1.
D1201	0DD184009AA	KDS184 KDS184 TP KEC - 85V - - -	IC1005	0IPMG78391A	SC2595STR 2.3TO5V 0 0W SOIC R/TP
D1300	0DS226009AA	KDS226 1.2V 85V 300MA 2A 4NSEC 15	IC1101	EAN32662801	KA7809ERTM 35V to 40V 9V 1W DPAK
D500	EAH33945901	CDS3C30GTH 30V 50V 120V 1.9A 1W S	IC1102	0IPMGKE030A	KIA78R05F 6TO12V 5V 8W DPAK R/TP
D501	EAH33945901	CDS3C30GTH 30V 50V 120V 1.9A 1W S	IC1104	0IPMG00107A	AZ1117H-2.5TR/E1 15V 2.5V 0W SOT2
D502	EAH33945901	CDS3C30GTH 30V 50V 120V 1.9A 1W S	IC1105	0IPMG00027A	SC156515M-1.8TR 2.2TO5.5V 1.8V 0W
D503	EAH33945901	CDS3C30GTH 30V 50V 120V 1.9A 1W S	IC1107	0IPMG78391A	SC2595STR 2.3TO5V 0 0W SOIC R/TP
D505	EAH33946001	CDS3C05GTA 5.6V 6.4V 19V 1.9A 1W	IC1110	0IPMG00027A	SC156515M-1.8TR 2.2TO5.5V 1.8V 0W
D506	EAH33946001	CDS3C05GTA 5.6V 6.4V 19V 1.9A 1W			
D507	EAH33945901	CDS3C30GTH 30V 50V 120V 1.9A 1W S			

LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
IC1111	EAN35520901	MP2355DN-LF-Z 4.75V ~ 23V 2.5V ~	L1018	6200J00005N	Filter, HH-1M2012-121JT(H:1mm) 120OHM 2X1
IC1200	0IPRPS5006C	SIL9025CTU 3.0TO3.6V 228mA 27MHZ	L1019	6200J00005N	Filter, HH-1M2012-121JT(H:1mm) 120OHM 2X1
IC1201	0IMMRAL014D	AT24C02BN-SH-T 2KBIT 256x8BIT 1.8	L102	EAM30764101	Filter, MBW3216-501TF 500ohm 3.2X1.6X0.85
IC1202	0IMMRAL014D	AT24C02BN-SH-T 2KBIT 256x8BIT 1.8	L102	6210TCE001G	Filter, HH-1M3216-501JT 500OHM 3.2X1.6X1.
IC1300	EAN35947401	MT8158ADE 300MVT03.6V,300MVT02V,3	L1020	6200J00005N	Filter, HH-1M2012-121JT(H:1mm) 120OHM 2X1
IC1301	EAN31729201	HY5DU561622ETP-4 256MBIT 16M * 16	L1021	EAM33010401	Filter, MEM2012P25R0 EMI 25MHZ 100pF 400N
IC1302	EAN33402201	BU9580KVT-E2 3.0TO3.6V 55mA 25MHz	L1022	EAM33010401	Filter, MEM2012P25R0 EMI 25MHZ 100pF 400N
IC1303	0IMP242560A	24LC256T-I/SM 256KBIT 256KX8BIT 2	L1023	EAM33010401	Filter, MEM2012P25R0 EMI 25MHZ 100pF 400N
IC1305	0IKE702900G	KIA7029AF -0.3TO15V 2.9V 500MW SO	L1024	EAM33010401	Filter, MEM2012P25R0 EMI 25MHZ 100pF 400N
IC1500	EAN38294101	LGDT1300 3VTO3.6V,2.3VTO2.7V 27MH	L1026	EAM33010401	Filter, MEM2012P25R0 EMI 25MHZ 100pF 400N
IC1501	EAN38294301	AD80180KCPZ-80 1.7TO3.47 80MHZ 8B	L103	EAM30764101	Filter, MBW3216-501TF 500ohm 3.2X1.6X0.85
IC300	0ISO206900A	CXA2069Q 8.5TO9.5V - - 1.3W QFP T	L1100	6200J00005N	Filter, HH-1M2012-121JT(H:1mm) 120OHM 2X1
IC400	0IMCRMN028F	MSP4450K-VK-E8-500 7.6TO8.7V_4.75	L1102	6200J00005N	Filter, HH-1M2012-121JT(H:1mm) 120OHM 2X1
IC401	0IMCRMN028F	MSP4450K-VK-E8-500 7.6TO8.7V_4.75	L1103	6200J00005N	Filter, HH-1M2012-121JT(H:1mm) 120OHM 2X1
IC402	EAN32404601	NTP3000 7TO30V 5.5V 0.01% 60W 0W	L1104	6210TCE001G	Filter, HH-1M3216-501JT 500OHM 3.2X1.6X1.
IC500	0IMMRAL014D	AT24C02BN-SH-T 2KBIT 256x8BIT 1.8	L1105	6210TCE001G	Filter, HH-1M3216-501JT 500OHM 3.2X1.6X1.
IC501	0IPH741400E	74HC14D 2TO6V 0.002mA SCHMITT TRI	L1106	6210TCE001G	Filter, HH-1M3216-501JT 500OHM 3.2X1.6X1.
IC502	EAN39038801	ADM3232EARNZ 3VTO5.5V 500MW SOIC	L1107	6210TCE001G	Filter, HH-1M3216-501JT 500OHM 3.2X1.6X1.
IC505	0IPRPSG023A	M41T81M6 2.0VTO5.5V 300nSEC 300nS	L1109	6210TCE001G	Filter, HH-1M3216-501JT 500OHM 3.2X1.6X1.
IC507	0IMCRFA018A	NC7SB3157P6X_NL 1.65TO5.5V 0.001m	L1110	6200J00005N	Filter, HH-1M2012-121JT(H:1mm) 120OHM 2X1
IC508	0IMCRFA018A	NC7SB3157P6X_NL 1.65TO5.5V 0.001m	L1111	6200J00005N	Filter, HH-1M2012-121JT(H:1mm) 120OHM 2X1
IC600	EAN38911401	BD2041AFJ-E2 2.7TO5.5V 10MSEC 20U	L1112	6200J00005N	Filter, HH-1M2012-121JT(H:1mm) 120OHM 2X1
IC701	0IMP242560A	24LC256T-I/SM 256KBIT 256KX8BIT 2	L1113	6200J00005N	Filter, HH-1M2012-121JT(H:1mm) 120OHM 2X1
IC702	0IKE702900G	KIA7029AF -0.3TO15V 2.9V 500MW SO	L1114	6200J00005N	Filter, HH-1M2012-121JT(H:1mm) 120OHM 2X1
IC901	EAN32205201	HY5DU281622FTP-5 128MBIT 8 x 16bi	L1115	6200J00005N	Filter, HH-1M2012-121JT(H:1mm) 120OHM 2X1
IC902	EAN32205201	HY5DU281622FTP-5 128MBIT 8 x 16bi	L1116	6200J00005N	Filter, HH-1M2012-121JT(H:1mm) 120OHM 2X1
FILTERS & INDUCTORS			L1117	6200J00005N	Filter, HH-1M2012-121JT(H:1mm) 120OHM 2X1
AL1200	6210TCE002B	Filter, HB-4M3216-121JT 120OHM 3.2X1.6X1.	L1118	6200J00005N	Filter, HH-1M2012-121JT(H:1mm) 120OHM 2X1
AL1201	6210TCE002B	Filter, HB-4M3216-121JT 120OHM 3.2X1.6X1.	L1119	6200J00005N	Filter, HH-1M2012-121JT(H:1mm) 120OHM 2X1
AL1202	6210TCE002B	Filter, HB-4M3216-121JT 120OHM 3.2X1.6X1.	L1120	6200J00005N	Filter, HH-1M2012-121JT(H:1mm) 120OHM 2X1
AL1203	6210TCE002B	Filter, HB-4M3216-121JT 120OHM 3.2X1.6X1.	L1121	6200J00005N	Filter, HH-1M2012-121JT(H:1mm) 120OHM 2X1
AL1204	6210TCE002B	Filter, HB-4M3216-121JT 120OHM 3.2X1.6X1.	L1125	6200J00005N	Filter, HH-1M2012-121JT(H:1mm) 120OHM 2X1
AL1205	6210TCE002B	Filter, HB-4M3216-121JT 120OHM 3.2X1.6X1.	L1126	6200J00005N	Filter, HH-1M2012-121JT(H:1mm) 120OHM 2X1
F1	6210VH0004A	Filter, 6210VH0004A 100OHM 30MM 13MM 34MM	L1127	6200J00005N	Filter, HH-1M2012-121JT(H:1mm) 120OHM 2X1
F2	6210VH0004B	Filter, ZCAT1518-0730-M- K 65OHM 15MM 7MM	L1128	6200J00005N	Filter, HH-1M2012-121JT(H:1mm) 120OHM 2X1
L100	EAM30764101	Filter, MBW3216-501TF 500ohm 3.2X1.6X0.85	L1129	6200J00005N	Filter, HH-1M2012-121JT(H:1mm) 120OHM 2X1
L1001	6200J00005N	Filter, HH-1M2012-121JT(H:1mm) 120OHM 2X1	L1130	6200J00005N	Filter, HH-1M2012-121JT(H:1mm) 120OHM 2X1
L1002	6210TCE001G	Filter, HH-1M3216-501JT 500OHM 3.2X1.6X1.	L1131	6210TCE001G	Filter, HH-1M3216-501JT 500OHM 3.2X1.6X1.
L1003	6210TCE001G	Filter, HH-1M3216-501JT 500OHM 3.2X1.6X1.	L1132	6200J00005N	Filter, HH-1M2012-121JT(H:1mm) 120OHM 2X1
L1005	6210TCE001G	Filter, HH-1M3216-501JT 500OHM 3.2X1.6X1.	L1134	6200J00005N	Filter, HH-1M2012-121JT(H:1mm) 120OHM 2X1
L1006	6210TCE001G	Filter, HH-1M3216-501JT 500OHM 3.2X1.6X1.	L1135	6200J00005N	Filter, HH-1M2012-121JT(H:1mm) 120OHM 2X1
L1007	6200J00005N	Filter, HH-1M2012-121JT(H:1mm) 120OHM 2X1	L1137	6200J00005N	Filter, HH-1M2012-121JT(H:1mm) 120OHM 2X1
L1008	6200J00005N	Filter, HH-1M2012-121JT(H:1mm) 120OHM 2X1	L1138	6200J00005N	Filter, HH-1M2012-121JT(H:1mm) 120OHM 2X1
L1009	6200J00005N	Filter, HH-1M2012-121JT(H:1mm) 120OHM 2X1	L1139	6210TCE001G	Filter, HH-1M3216-501JT 500OHM 3.2X1.6X1.
L101	EAM30764101	Filter, MBW3216-501TF 500ohm 3.2X1.6X0.85	L1140	6210TCE001G	Filter, HH-1M3216-501JT 500OHM 3.2X1.6X1.
L1010	6200J00005N	Filter, HH-1M2012-121JT(H:1mm) 120OHM 2X1	L1141	6200J00005N	Filter, HH-1M2012-121JT(H:1mm) 120OHM 2X1
L1011	6200J00005N	Filter, HH-1M2012-121JT(H:1mm) 120OHM 2X1	L1142	6200J00005N	Filter, HH-1M2012-121JT(H:1mm) 120OHM 2X1
L1012	6200J00005N	Filter, HH-1M2012-121JT(H:1mm) 120OHM 2X1	L1143	6200J00005N	Filter, HH-1M2012-121JT(H:1mm) 120OHM 2X1
L1013	6200J00005N	Filter, HH-1M2012-121JT(H:1mm) 120OHM 2X1	L1144	6200J00005N	Filter, HH-1M2012-121JT(H:1mm) 120OHM 2X1
L1014	6200J00005N	Filter, HH-1M2012-121JT(H:1mm) 120OHM 2X1	L1145	6200J00005N	Filter, HH-1M2012-121JT(H:1mm) 120OHM 2X1
L1015	6200J00005N	Filter, HH-1M2012-121JT(H:1mm) 120OHM 2X1	L1146	6200J00005N	Filter, HH-1M2012-121JT(H:1mm) 120OHM 2X1
L1016	6200J00005N	Filter, HH-1M2012-121JT(H:1mm) 120OHM 2X1	L1148	6210TCE001G	Filter, HH-1M3216-501JT 500OHM 3.2X1.6X1.
L1017	6200J00005N	Filter, HH-1M2012-121JT(H:1mm) 120OHM 2X1	L1200	EAM30764101	Filter, MBW3216-501TF 500ohm 3.2X1.6X0.85
			L1201	EAM30764101	Filter, MBW3216-501TF 500ohm 3.2X1.6X0.85
			L1202	EAM30764101	Filter, MBW3216-501TF 500ohm 3.2X1.6X0.85

LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
L1203	EAM30764101	Filter, MBW3216-501TF 500ohm 3.2X1.6X0.85	Q102	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50V 150M
L1300	6200J00005N	Filter, HH-1M2012-121JT(H:1mm) 120OHM 2X1	Q102	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50V 150M
L200	EAM30764101	Filter, MBW3216-501TF 500ohm 3.2X1.6X0.85	Q103	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50V 150M
L201	EAM30764101	Filter, MBW3216-501TF 500ohm 3.2X1.6X0.85	Q104	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50V 150M
L202	EAM30764101	Filter, MBW3216-501TF 500ohm 3.2X1.6X0.85	Q105	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50V 150M
L300	EAM30764101	Filter, MBW3216-501TF 500ohm 3.2X1.6X0.85	Q106	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50V 150M
L301	EAM30764101	Filter, MBW3216-501TF 500ohm 3.2X1.6X0.85	Q110	0TRIY80001A	2SC3052 NPN 6V 50V 50V 200MA 100N
L400	EAM30764101	Filter, MBW3216-501TF 500ohm 3.2X1.6X0.85	Q111	0TRIY80001A	2SC3052 NPN 6V 50V 50V 200MA 100N
L401	EAM30764101	Filter, MBW3216-501TF 500ohm 3.2X1.6X0.85	Q112	0TRIY80001A	2SC3052 NPN 6V 50V 50V 200MA 100N
L402	EAM30764101	Filter, MBW3216-501TF 500ohm 3.2X1.6X0.85	Q113	0TRIY80001A	2SC3052 NPN 6V 50V 50V 200MA 100N
L405	EAM30764101	Filter, MBW3216-501TF 500ohm 3.2X1.6X0.85	Q114	0TRIY80001A	2SC3052 NPN 6V 50V 50V 200MA 100N
L406	EAM30764101	Filter, MBW3216-501TF 500ohm 3.2X1.6X0.85	Q115	0TRIY80001A	2SC3052 NPN 6V 50V 50V 200MA 100N
L407	EAM30764101	Filter, MBW3216-501TF 500ohm 3.2X1.6X0.85	Q1200	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50V 150M
L409	6200J00005N	Filter, HH-1M2012-121JT(H:1mm) 120OHM 2X1	Q1201	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50V 150M
L410	6200J00005N	Filter, HH-1M2012-121JT(H:1mm) 120OHM 2X1	Q1300	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50V 150M
L419	6210TCE001P	Filter, HB-1S2012-121JT(H:1mm) 120OHM 2X1	Q1301	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50V 150M
L420	6210TCE001P	Filter, HB-1S2012-121JT(H:1mm) 120OHM 2X1	Q200	0TR150400BA	2SA1504S(ASY) PNP -5V -50V -50V -
L421	6210TCE001P	Filter, HB-1S2012-121JT(H:1mm) 120OHM 2X1	Q201	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50V 150M
L422	6210TCE001P	Filter, HB-1S2012-121JT(H:1mm) 120OHM 2X1	Q202	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50V 150M
L500	EAM30764201	Filter, BG2012B102TF 1000ohm 2.0X1.25X0.8	Q203	0TR150400BA	2SA1504S(ASY) PNP -5V -50V -50V -
L501	EAM30764201	Filter, BG2012B102TF 1000ohm 2.0X1.25X0.8	Q204	0TR150400BA	2SA1504S(ASY) PNP -5V -50V -50V -
L502	EAM30764101	Filter, MBW3216-501TF 500ohm 3.2X1.6X0.85	Q205	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50V 150M
L503	EAM30764101	Filter, MBW3216-501TF 500ohm 3.2X1.6X0.85	Q206	0TR150400BA	2SA1504S(ASY) PNP -5V -50V -50V -
L504	EAM30764101	Filter, MBW3216-501TF 500ohm 3.2X1.6X0.85	Q207	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50V 150M
L600	6210TCE0013	Filter, HB-1M1608-121JT 120OHM 1.6X0.8X0.	Q208	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50V 150M
L601	6210TCE0013	Filter, HB-1M1608-121JT 120OHM 1.6X0.8X0.	Q209	0TR150400BA	2SA1504S(ASY) PNP -5V -50V -50V -
L602	6210TCE0013	Filter, HB-1M1608-121JT 120OHM 1.6X0.8X0.	Q210	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50V 150M
L603	6210TCE0013	Filter, HB-1M1608-121JT 120OHM 1.6X0.8X0.	Q211	0TR150400BA	2SA1504S(ASY) PNP -5V -50V -50V -
L604	6210TCE0013	Filter, HB-1M1608-121JT 120OHM 1.6X0.8X0.	Q300	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50V 150M
L605	EAM30764101	Filter, MBW3216-501TF 500ohm 3.2X1.6X0.85	Q301	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50V 150M
L613	6210TCE001G	Filter, HH-1M3216-501JT 500OHM 3.2X1.6X1.	Q302	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50V 150M
L614	6210TCE001G	Filter, HH-1M3216-501JT 500OHM 3.2X1.6X1.	Q303	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50V 150M
L615	6210TCE0013	Filter, HB-1M1608-121JT 120OHM 1.6X0.8X0.	Q304	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50V 150M
L618	EAM33010401	Filter, MEM2012P25R0 EMI 25MHZ 100pF 400N	Q305	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50V 150M
L1147	EAP32842805	Inductor, NR8040T150M 15UH 20% 0V 2.4A 0.05	Q306	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50V 150M
L203	0LCML00020G	Inductor, MLI-201209-3R3K 3.3UH 10% 0V 30MA	Q400	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50V 150M
L204	0LCML00020G	Inductor, MLI-201209-3R3K 3.3UH 10% 0V 30MA	Q401	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50V 150M
L403	0LCML00020C	Inductor, MLI-201212-100K 10UH 10% - 15MA 1	Q402	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50V 150M
L404	0LCML00020C	Inductor, MLI-201212-100K 10UH 10% - 15MA 1	Q403	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50V 150M
L412	EAP38319001	Inductor, DA-8580 22UH 20% 0V 3A 0.1OHM 0HZ	Q404	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50V 150M
L413	EAP38319001	Inductor, DA-8580 22UH 20% 0V 3A 0.1OHM 0HZ	Q405	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50V 150M
FETs & TRANSISTORS			Q406	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50V 150M
IC1203	0TFTH80001A	FET, SSM6N15FU N-CHANNEL MOSFET 30V +-	Q407	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50V 150M
IC1204	0TFTH80001A	FET, SSM6N15FU N-CHANNEL MOSFET 30V +-	Q408	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50V 150M
IC1205	0TFTH80001A	FET, SSM6N15FU N-CHANNEL MOSFET 30V +-	Q409	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50V 150M
IC200	0TFTH80001A	FET, SSM6N15FU N-CHANNEL MOSFET 30V +-	Q410	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50V 150M
Q100	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50V 150M	Q411	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50V 150M
Q1000	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50V 150M	Q600	0TR102009AJ	KRC102S NPN 30V 0V 50V 100MA 500N
Q1001	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50V 150M	Q601	0TR102009AJ	KRC102S NPN 30V 0V 50V 100MA 500N
Q1002	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50V 150M	Q602	0TR150400BA	2SA1504S(ASY) PNP -5V -50V -50V -
Q1003	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50V 150M			
Q101	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50V 150M			
Q101	0TR387500AA	2SC3875S(ALY) NPN 5V 60V 50V 150M			

LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
RESISTORS					
AR1300	0RJ0752C687	RCA86TRJ75R0 75OHM 5% 1/16W 4 SMD	R1005	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 100
AR1301	0RJ0752C687	RCA86TRJ75R0 75OHM 5% 1/16W 4 SMD	R1007	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R
AR1302	0RJ0752C687	RCA86TRJ75R0 75OHM 5% 1/16W 4 SMD	R101	0RJ2702D677	MCR03EZPJ273 27KOHM 5% 1/10W 1608
AR1303	0RJ0752C687	RCA86TRJ75R0 75OHM 5% 1/16W 4 SMD	R101	0RJ4702D677	MCR03EZPJ473 47KOHM 5% 1/10W 1608
AR1304	0RJ0752C687	RCA86TRJ75R0 75OHM 5% 1/16W 4 SMD	R101	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608 R
AR1305	0RJ0752C687	RCA86TRJ75R0 75OHM 5% 1/16W 4 SMD	R101	0RH0000D622	MCR10EZHJ000 0OHM 5% 1/8W 2012 R/
AR1306	0RJ0752C687	RCA86TRJ75R0 75OHM 5% 1/16W 4 SMD	R1010	0RJ4701D677	MCR03EZPJ472 4.7KOHM 5% 1/10W 160
AR1307	0RJ0752C687	RCA86TRJ75R0 75OHM 5% 1/16W 4 SMD	R1010	0RJ1002D677	MCR03EZPJ103 10KOHM 5% 1/10W 1608
AR1308	0RZZH033273	MNR04M0ABJ330 33OHM 5% 1/16W 4 SM	R1011	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 100
AR1309	0RZZH033273	MNR04M0ABJ330 33OHM 5% 1/16W 4 SM	R1011	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 1005
AR1310	0RZZH033273	MNR04M0ABJ330 33OHM 5% 1/16W 4 SM	R1012	0RJ1002D677	MCR03EZPJ103 10KOHM 5% 1/10W 1608
AR1311	0RZZH033273	MNR04M0ABJ330 33OHM 5% 1/16W 4 SM	R1013	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 1005
AR1312	EBC32260401	MNR04M0APJ103 10KOHM 5% 1/16W 4 S	R1014	0RJ4701D677	MCR03EZPJ472 4.7KOHM 5% 1/10W 160
AR1313	EBC32260401	MNR04M0APJ103 10KOHM 5% 1/16W 4 S	R1014	0RJ1002D677	MCR03EZPJ103 10KOHM 5% 1/10W 1608
AR1314	0RZZH033273	MNR04M0ABJ330 33OHM 5% 1/16W 4 SM	R1015	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 100
AR1315	0RZZH033273	MNR04M0ABJ330 33OHM 5% 1/16W 4 SM	R1015	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 1005
AR1316	0RZZH033273	MNR04M0ABJ330 33OHM 5% 1/16W 4 SM	R1016	0RJ1002D677	MCR03EZPJ103 10KOHM 5% 1/10W 1608
AR1317	0RZZH033273	MNR04M0ABJ330 33OHM 5% 1/16W 4 SM	R1017	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 1005
AR1318	0RZZH033273	MNR04M0ABJ330 33OHM 5% 1/16W 4 SM	R102	0RJ7501D677	MCR03EZPJ752 7.5KOHM 5% 1/10W 160
AR1319	0RZZH033273	MNR04M0ABJ330 33OHM 5% 1/16W 4 SM	R102	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608 R
AR1320	0RZZH033273	MNR04M0ABJ330 33OHM 5% 1/16W 4 SM	R102	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608 R
AR1321	0RZZH033273	MNR04M0ABJ330 33OHM 5% 1/16W 4 SM	R102	0RH0000D622	MCR10EZHJ000 0OHM 5% 1/8W 2012 R/
AR1322	0RZZH033273	MNR04M0ABJ330 33OHM 5% 1/16W 4 SM	R1020	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608 R
AR1323	0RZZH033273	MNR04M0ABJ330 33OHM 5% 1/16W 4 SM	R1023	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608 R
AR1501	0RJ0222C687	RCA86TRJ22R0 22OHM 5% 1/16W 4 SMD	R1026	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608 R
AR1502	0RJ0222C687	RCA86TRJ22R0 22OHM 5% 1/16W 4 SMD	R103	0RJ3001D677	MCR03EZPJ302 3KOHM 5% 1/10W 1608
AR1503	0RJ0222C687	RCA86TRJ22R0 22OHM 5% 1/16W 4 SMD	R103	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608 R
AR1504	0RJ0222C687	RCA86TRJ22R0 22OHM 5% 1/16W 4 SMD	R104	0RJ9100D677	MCR03EZPJ911 910OHM 5% 1/10W 1608
AR1505	0RJ0222C687	RCA86TRJ22R0 22OHM 5% 1/16W 4 SMD	R104	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608 R
AR1506	0RJ0222C687	RCA86TRJ22R0 22OHM 5% 1/16W 4 SMD	R105	0RJ2702D677	MCR03EZPJ273 27KOHM 5% 1/10W 1608
AR701	0RZZH033273	MNR04M0ABJ330 33OHM 5% 1/16W 4 SM	R105	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608 R
AR702	0RZZH033273	MNR04M0ABJ330 33OHM 5% 1/16W 4 SM	R105	0RJ7500D677	MCR03EZPJ751 750OHM 5% 1/10W 1608
AR703	0RZZH033273	MNR04M0ABJ330 33OHM 5% 1/16W 4 SM	R106	0RJ7501D677	MCR03EZPJ752 7.5KOHM 5% 1/10W 160
AR704	0RZZH033273	MNR04M0ABJ330 33OHM 5% 1/16W 4 SM	R106	0RJ0752D677	MCR03EZPJ750 75OHM 5% 1/10W 1608
AR705	0RZZH033273	MNR04M0ABJ330 33OHM 5% 1/16W 4 SM	R106	0RJ7500D677	MCR03EZPJ751 750OHM 5% 1/10W 1608
AR706	0RZZH033273	MNR04M0ABJ330 33OHM 5% 1/16W 4 SM	R106	0RJ0102D677	MCR03EZPJ100 10OHM 5% 1/10W 1608
AR707	0RZZH033273	MNR04M0ABJ330 33OHM 5% 1/16W 4 SM	R107	0RJ3001D677	MCR03EZPJ302 3KOHM 5% 1/10W 1608
AR708	0RZZH033273	MNR04M0ABJ330 33OHM 5% 1/16W 4 SM	R107	0RJ4701D677	MCR03EZPJ472 4.7KOHM 5% 1/10W 160
AR900	EBC32260405	MNR04M0APJ680 68OHM 5% 1/16W 4 SM	R107	0RJ4701D677	MCR03EZPJ472 4.7KOHM 5% 1/10W 160
AR901	EBC32260405	MNR04M0APJ680 68OHM 5% 1/16W 4 SM	R108	0RJ9100D677	MCR03EZPJ911 910OHM 5% 1/10W 1608
AR902	EBC32260405	MNR04M0APJ680 68OHM 5% 1/16W 4 SM	R108	0RJ0752D677	MCR03EZPJ750 75OHM 5% 1/10W 1608
AR903	EBC32260405	MNR04M0APJ680 68OHM 5% 1/16W 4 SM	R108	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 1608
AR904	EBC32260405	MNR04M0APJ680 68OHM 5% 1/16W 4 SM	R108	0RH0000D622	MCR10EZHJ000 0OHM 5% 1/8W 2012 R/
AR905	EBC32260405	MNR04M0APJ680 68OHM 5% 1/16W 4 SM	R109	0RJ0752D677	MCR03EZPJ750 75OHM 5% 1/10W 1608
AR906	EBC32260405	MNR04M0APJ680 68OHM 5% 1/16W 4 SM	R109	0RJ0102D677	MCR03EZPJ100 10OHM 5% 1/10W 1608
AR907	EBC32260405	MNR04M0APJ680 68OHM 5% 1/16W 4 SM	R109	0RH4700D622	MCR10EZHJ471 470OHM 5% 1/8W 2012
AR908	EBC32260405	MNR04M0APJ680 68OHM 5% 1/16W 4 SM	R110	0RJ0752D677	MCR03EZPJ750 75OHM 5% 1/10W 1608
AR909	EBC32260405	MNR04M0APJ680 68OHM 5% 1/16W 4 SM	R110	0RH0000D622	MCR10EZHJ000 0OHM 5% 1/8W 2012 R/
AR910	EBC32260405	MNR04M0APJ680 68OHM 5% 1/16W 4 SM	R1100	0RJ1002D677	MCR03EZPJ103 10KOHM 5% 1/10W 1608
R100	0RJ0752D677	MCR03EZPJ750 75OHM 5% 1/10W 1608	R1101	0RJ1201C678	MCR01MZPJ122 1.2KOHM 5% 1/16W 100
R1000	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R	R1102	0RJ1002D677	MCR03EZPJ103 10KOHM 5% 1/10W 1608
R1001	0RJ2000C678	MCR01MZPJ201 200OHM 5% 1/16W 1005	R1105	0RJ1002D677	MCR03EZPJ103 10KOHM 5% 1/10W 1608
R1003	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 100	R1107	0RJ1002D677	MCR03EZPJ103 10KOHM 5% 1/10W 1608
			R1108	0RJ2002D677	MCR03EZPJ203. 20KOHM 5% 1/10W 160
			R111	0RJ3002D677	MCR03EZPJ303 30KOHM 5% 1/10W 1608

LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
R111	0RH0000D622	MCR10EZHJ000 0OHM 5% 1/8W 2012 R/	R1247	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 1608
R1113	0RJ1002D677	MCR03EZPJ103 10KOHM 5% 1/10W 1608	R1248	0RJ4702D677	MCR03EZPJ473 47KOHM 5% 1/10W 1608
R1114	0RJ2002D677	MCR03EZPJ203. 20KOHM 5% 1/10W 160	R1249	0RJ4702D677	MCR03EZPJ473 47KOHM 5% 1/10W 1608
R1115	0RJ6802D677	MCR03EZPJ683 68KOHM 5% 1/10W 1608	R1250	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 1608
R1116	0RJ2202D677	MCR03EZPJ223 22KOHM 5% 1/10W 1608	R1251	0RJ4702D677	MCR03EZPJ473 47KOHM 5% 1/10W 1608
R1117	0RJ7501D677	MCR03EZPJ752 7.5KOHM 5% 1/10W 160	R1252	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 1608
R112	0RJ0752D677	MCR03EZPJ750 75OHM 5% 1/10W 1608	R1253	0RJ4702D677	MCR03EZPJ473 47KOHM 5% 1/10W 1608
R112	0RH0000D622	MCR10EZHJ000 0OHM 5% 1/8W 2012 R/	R1254	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 1608
R113	0RJ2203D677	MCR03EZPJ224 220KOHM 5% 1/10W 160	R1255	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 1608
R114	0RJ2203D677	MCR03EZPJ224 220KOHM 5% 1/10W 160	R1257	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 1005
R115	0RJ4703D677	MCR03EZPJ474 470KOHM 5% 1/10W 160	R1258	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 1005
R115	0RH0000D622	MCR10EZHJ000 0OHM 5% 1/8W 2012 R/	R126	0RJ1001C678	MCR01MZPJ102 1KOHM 5% 1/16W 1005
R116	0RJ4703D677	MCR03EZPJ474 470KOHM 5% 1/10W 160	R1260	0RJ1002D677	MCR03EZPJ103 10KOHM 5% 1/10W 1608
R117	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608 R	R1261	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 1005
R117	0RH4700D622	MCR10EZHJ471 470OHM 5% 1/8W 2012	R1262	0RJ1002D677	MCR03EZPJ103 10KOHM 5% 1/10W 1608
R118	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608 R	R1263	0RJ0332C678	MCR01MZPJ330 33OHM 5% 1/16W 1005
R119	0RJ1001D677	MCR03EZPJ102 1KOHM 5% 1/10W 1608	R1264	0RJ0332C678	MCR01MZPJ330 33OHM 5% 1/16W 1005
R120	0RJ1001D677	MCR03EZPJ102 1KOHM 5% 1/10W 1608	R1265	0RJ0332C678	MCR01MZPJ330 33OHM 5% 1/16W 1005
R1200	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 1005	R1266	0RJ1004C678	MCR01MZPJ105 1MOHM 5% 1/16W 1005
R1201	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 1005	R1267	0RJ1820D477	MCR03EZPF1820 182OHM 1% 1/10W 160
R1206	0RJ1001C678	MCR01MZPJ102 1KOHM 5% 1/16W 1005	R1268	0RJ4701D677	MCR03EZPJ472 4.7KOHM 5% 1/10W 160
R1207	0RJ1001C678	MCR01MZPJ102 1KOHM 5% 1/16W 1005	R1269	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R
R1208	0RJ1001C678	MCR01MZPJ102 1KOHM 5% 1/16W 1005	R127	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 1005
R1209	0RJ2001C678	MCR01MZPJ202 2KOHM 5% 1/16W 1005	R1272	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 1005
R121	0RJ1001C678	MCR01MZPJ102 1KOHM 5% 1/16W 1005	R1273	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608 R
R1210	0RJ0332C678	MCR01MZPJ330 33OHM 5% 1/16W 1005	R1274	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 1005
R1214	0RJ1001D677	MCR03EZPJ102 1KOHM 5% 1/10W 1608	R1275	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 1005
R1215	0RJ0331D677	MCR03EZPJ3R3 3.3OHM 5% 1/10W 1608	R1276	0RJ0512C678	MCR01MZPJ510 51OHM 5% 1/16W 1005
R1216	0RJ0331D677	MCR03EZPJ3R3 3.3OHM 5% 1/10W 1608	R1278	0RJ4701D677	MCR03EZPJ472 4.7KOHM 5% 1/10W 160
R1217	0RJ0331D677	MCR03EZPJ3R3 3.3OHM 5% 1/10W 1608	R1279	0RJ1001C678	MCR01MZPJ102 1KOHM 5% 1/16W 1005
R1218	0RJ0331D677	MCR03EZPJ3R3 3.3OHM 5% 1/10W 1608	R128	0RJ3001C678	MCR01MZPJ302 3KOHM 5% 1/16W 1005
R1219	0RJ0331D677	MCR03EZPJ3R3 3.3OHM 5% 1/10W 1608	R1280	0RJ2001C678	MCR01MZPJ202 2KOHM 5% 1/16W 1005
R122	0RJ1001C678	MCR01MZPJ102 1KOHM 5% 1/16W 1005	R1283	0RJ2702D677	MCR03EZPJ273 27KOHM 5% 1/10W 1608
R1220	0RJ0331D677	MCR03EZPJ3R3 3.3OHM 5% 1/10W 1608	R1284	0RJ9101D677	MCR03EZPJ912 9.1KOHM 5% 1/10W 160
R1221	0RJ0331D677	MCR03EZPJ3R3 3.3OHM 5% 1/10W 1608	R129	0RJ3001C678	MCR01MZPJ302 3KOHM 5% 1/16W 1005
R1222	0RJ0331D677	MCR03EZPJ3R3 3.3OHM 5% 1/10W 1608	R130	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 1005
R1223	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005	R1300	0RJ1002D677	MCR03EZPJ103 10KOHM 5% 1/10W 1608
R1224	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005	R1301	0RJ0332C678	MCR01MZPJ330 33OHM 5% 1/16W 1005
R1226	0RJ0331D677	MCR03EZPJ3R3 3.3OHM 5% 1/10W 1608	R1302	0RJ0332C678	MCR01MZPJ330 33OHM 5% 1/16W 1005
R1227	0RJ0331D677	MCR03EZPJ3R3 3.3OHM 5% 1/10W 1608	R1303	0RJ0332C678	MCR01MZPJ330 33OHM 5% 1/16W 1005
R1228	0RJ0331D677	MCR03EZPJ3R3 3.3OHM 5% 1/10W 1608	R1304	0RJ7502D677	MCR03EZPJ753 75KOHM 5% 1/10W 1608
R1229	0RJ0331D677	MCR03EZPJ3R3 3.3OHM 5% 1/10W 1608	R1305	0RJ1002D677	MCR03EZPJ103 10KOHM 5% 1/10W 1608
R1230	0RJ0331D677	MCR03EZPJ3R3 3.3OHM 5% 1/10W 1608	R1306	0RJ0471D677	MCR03EZPJ47 4.7OHM 5% 1/10W 1608
R1231	0RJ0331D677	MCR03EZPJ3R3 3.3OHM 5% 1/10W 1608	R1307	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 1005
R1232	0RJ0331D677	MCR03EZPJ3R3 3.3OHM 5% 1/10W 1608	R1308	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R
R1233	0RJ0331D677	MCR03EZPJ3R3 3.3OHM 5% 1/10W 1608	R1309	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R
R1234	0RJ6801C678	MCR01MZPJ682 6.8KOHM 5% 1/16W 100	R131	0RJ3001C678	MCR01MZPJ302 3KOHM 5% 1/16W 1005
R1235	0RJ6801D677	MCR03EZPJ682 6.8KOHM 5% 1/10W 160	R1310	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R
R1236	0RJ1001D677	MCR03EZPJ102 1KOHM 5% 1/10W 1608	R1311	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R
R1237	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005	R1312	0RJ1002D677	MCR03EZPJ103 10KOHM 5% 1/10W 1608
R1238	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005	R1313	0RJ1002D677	MCR03EZPJ103 10KOHM 5% 1/10W 1608
R124	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R	R1315	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R
R1240	0RJ6801D677	MCR03EZPJ682 6.8KOHM 5% 1/10W 160	R1316	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608 R
R1241	0RJ6801D677	MCR03EZPJ682 6.8KOHM 5% 1/10W 160	R1317	0RJ1004C678	MCR01MZPJ105 1MOHM 5% 1/16W 1005
R1246	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 1608	R1318	0RJ0471D677	MCR03EZPJ47 4.7OHM 5% 1/10W 1608

LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
R1319	0RJ1002D677	MCR03EZPJ103 10KOHM 5% 1/10W 1608	R1384	0RJ0332C678	MCR01MZPJ330 33OHM 5% 1/16W 1005
R132	0RJ2000C678	MCR01MZPJ201 200OHM 5% 1/16W 1005	R1385	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R
R1320	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608 R	R1386	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R
R1323	0RJ1002D677	MCR03EZPJ103 10KOHM 5% 1/10W 1608	R1387	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R
R1324	0RJ1002D677	MCR03EZPJ103 10KOHM 5% 1/10W 1608	R1388	0RJ3300C678	MCR01MZPJ331 330OHM 5% 1/16W 1005
R1325	0RJ1002D677	MCR03EZPJ103 10KOHM 5% 1/10W 1608	R1389	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 1005
R1326	0RJ5601D677	MCR03EZPJ562 5.6KOHM 5% 1/10W 160	R1393	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 1005
R1327	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 1005	R1395	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 1005
R1328	0RJ0332C678	MCR01MZPJ330 33OHM 5% 1/16W 1005	R1396	0RJ0752C678	MCR01MZPJ750 75OHM 5% 1/16W 1005
R1329	0RJ2001C678	MCR01MZPJ202 2KOHM 5% 1/16W 1005	R1397	0RJ0752C678	MCR01MZPJ750 75OHM 5% 1/16W 1005
R133	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R	R1398	0RJ0752C678	MCR01MZPJ750 75OHM 5% 1/16W 1005
R1330	0RJ0512C678	MCR01MZPJ510 51OHM 5% 1/16W 1005	R1399	0RJ0752C678	MCR01MZPJ750 75OHM 5% 1/16W 1005
R1331	0RJ0471C678	MCR01MZPJ4R7 4.7OHM 5% 1/16W 1005	R140	0RJ0752D677	MCR03EZPJ750 75OHM 5% 1/10W 1608
R1332	0RJ0332C678	MCR01MZPJ330 33OHM 5% 1/16W 1005	R1400	0RJ4701D677	MCR03EZPJ472 4.7KOHM 5% 1/10W 160
R1333	0RJ0332C678	MCR01MZPJ330 33OHM 5% 1/16W 1005	R1401	0RJ0331D677	MCR03EZPJ3R3 3.3OHM 5% 1/10W 1608
R1334	0RJ0332C678	MCR01MZPJ330 33OHM 5% 1/16W 1005	R1402	0RJ0331D677	MCR03EZPJ3R3 3.3OHM 5% 1/10W 1608
R1335	0RJ4701D677	MCR03EZPJ472 4.7KOHM 5% 1/10W 160	R1403	0RJ0331D677	MCR03EZPJ3R3 3.3OHM 5% 1/10W 1608
R1336	0RJ4701D677	MCR03EZPJ472 4.7KOHM 5% 1/10W 160	R1404	0RJ0331D677	MCR03EZPJ3R3 3.3OHM 5% 1/10W 1608
R1339	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R	R141	0RJ0752D677	MCR03EZPJ750 75OHM 5% 1/10W 1608
R134	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R	R142	0RJ1002D677	MCR03EZPJ103 10KOHM 5% 1/10W 1608
R1340	0RJ0332C678	MCR01MZPJ330 33OHM 5% 1/16W 1005	R143	0RJ4702D677	MCR03EZPJ473 47KOHM 5% 1/10W 1608
R1341	0RJ0332C678	MCR01MZPJ330 33OHM 5% 1/16W 1005	R144	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608 R
R1342	0RJ0332C678	MCR01MZPJ330 33OHM 5% 1/16W 1005	R145	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608 R
R1343	0RJ0332C678	MCR01MZPJ330 33OHM 5% 1/16W 1005	R146	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608 R
R1344	0RJ0332C678	MCR01MZPJ330 33OHM 5% 1/16W 1005	R147	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608 R
R1345	0RJ0332C678	MCR01MZPJ330 33OHM 5% 1/16W 1005	R148	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608 R
R1346	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005	R149	0RJ3002D677	MCR03EZPJ303 30KOHM 5% 1/10W 1608
R1347	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608 R	R150	0RJ2203D677	MCR03EZPJ224 220KOHM 5% 1/10W 160
R1348	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608 R	R1500	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R
R1349	0RJ2000D677	MCR03EZPJ201 200OHM 5% 1/10W 1608	R1501	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R
R1350	0RJ2000D677	MCR03EZPJ201 200OHM 5% 1/10W 1608	R1502	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R
R1351	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 1005	R1503	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R
R1352	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 1005	R1505	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R
R1356	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R	R1506	0RJ0332C678	MCR01MZPJ330 33OHM 5% 1/16W 1005
R1357	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 1005	R1507	0RJ0332C678	MCR01MZPJ330 33OHM 5% 1/16W 1005
R1358	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R	R1508	0RJ0332C678	MCR01MZPJ330 33OHM 5% 1/16W 1005
R1361	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R	R1509	0RJ0332C678	MCR01MZPJ330 33OHM 5% 1/16W 1005
R1362	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R	R151	0RJ4703D677	MCR03EZPJ474 470KOHM 5% 1/10W 160
R1363	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 1005	R1510	0RJ0332C678	MCR01MZPJ330 33OHM 5% 1/16W 1005
R1366	0RJ1004C678	MCR01MZPJ105 1MOHM 5% 1/16W 1005	R1511	0RJ0332C678	MCR01MZPJ330 33OHM 5% 1/16W 1005
R1367	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 1005	R1512	0RJ0332C678	MCR01MZPJ330 33OHM 5% 1/16W 1005
R1369	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 1005	R1513	0RJ0332C678	MCR01MZPJ330 33OHM 5% 1/16W 1005
R1370	0RJ0822C678	MCR01MZPJ820 82OHM 5% 1/16W 1005	R1514	0RJ0332C678	MCR01MZPJ330 33OHM 5% 1/16W 1005
R1371	0RJ1202C678	MCR01MZPJ123 12KOHM 5% 1/16W 1005	R1515	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R
R1372	0RJ0822C678	MCR01MZPJ820 82OHM 5% 1/16W 1005	R1518	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R
R1373	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 1005	R1519	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R
R1374	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 1005	R152	0RJ2203D677	MCR03EZPJ224 220KOHM 5% 1/10W 160
R1375	0RJ0332C678	MCR01MZPJ330 33OHM 5% 1/16W 1005	R1520	0RJ0332C678	MCR01MZPJ330 33OHM 5% 1/16W 1005
R1376	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 100	R1521	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 1608
R1377	0RJ0332C678	MCR01MZPJ330 33OHM 5% 1/16W 1005	R1522	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 1608
R1378	0RJ0332C678	MCR01MZPJ330 33OHM 5% 1/16W 1005	R1523	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 100
R1380	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 1005	R153	0RJ4703D677	MCR03EZPJ474 470KOHM 5% 1/10W 160
R1381	0RJ3300C678	MCR01MZPJ331 330OHM 5% 1/16W 1005	R1536	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005
R1382	0RJ1001C678	MCR01MZPJ102 1KOHM 5% 1/16W 1005	R1537	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005
R1383	0RJ0332C678	MCR01MZPJ330 33OHM 5% 1/16W 1005	R1539	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R

LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
R154	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608 R	R209	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608 R
R1540	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R	R210	0RJ2200D677	MCR03EZPJ221 220OHM 5% 1/10W 1608
R1541	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R	R2100	0RH0000D622	MCR10EZHJ000 0OHM 5% 1/8W 2012 R/
R1542	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 1005	R2101	0RH0000D622	MCR10EZHJ000 0OHM 5% 1/8W 2012 R/
R1543	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R	R2102	0RH0000D622	MCR10EZHJ000 0OHM 5% 1/8W 2012 R/
R1545	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 1005	R2103	0RH0000D622	MCR10EZHJ000 0OHM 5% 1/8W 2012 R/
R1546	0RJ1501C678	MCR01MZPJ152 1.5KOHM 5% 1/16W 100	R211	0RJ2200D677	MCR03EZPJ221 220OHM 5% 1/10W 1608
R1547	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 1005	R2110	0RJ1502D677	MCR03EZPJ153 15KOHM 5% 1/10W 1608
R1549	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 1005	R2111	0RJ1502D677	MCR03EZPJ153 15KOHM 5% 1/10W 1608
R155	0RJ1001D677	MCR03EZPJ102 1KOHM 5% 1/10W 1608	R2112	0RJ1502D677	MCR03EZPJ153 15KOHM 5% 1/10W 1608
R1550	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R	R2113	0RJ1502D677	MCR03EZPJ153 15KOHM 5% 1/10W 1608
R1551	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 1005	R2114	0RJ1502D677	MCR03EZPJ153 15KOHM 5% 1/10W 1608
R1552	0RJ1004D677	MCR03EZPJ105 1MOHM 5% 1/10W 1608	R2115	0RJ1502D677	MCR03EZPJ153 15KOHM 5% 1/10W 1608
R1555	0RJ4701D677	MCR03EZPJ472 4.7KOHM 5% 1/10W 160	R2119	0RJ2201D677	MCR03EZPJ222 2.2KOHM 5% 1/10W 160
R1556	0RJ4701D677	MCR03EZPJ472 4.7KOHM 5% 1/10W 160	R212	0RJ4701D677	MCR03EZPJ472 4.7KOHM 5% 1/10W 160
R1557	0RJ9101D677	MCR03EZPJ912 9.1KOHM 5% 1/10W 160	R2120	0RJ2201D677	MCR03EZPJ222 2.2KOHM 5% 1/10W 160
R1557	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608 R	R2121	0RJ2201D677	MCR03EZPJ222 2.2KOHM 5% 1/10W 160
R156	0RJ1001D677	MCR03EZPJ102 1KOHM 5% 1/10W 1608	R2122	0RJ1502D677	MCR03EZPJ153 15KOHM 5% 1/10W 1608
R157	0RJ1001D677	MCR03EZPJ102 1KOHM 5% 1/10W 1608	R2123	0RJ1502D677	MCR03EZPJ153 15KOHM 5% 1/10W 1608
R158	0RJ1001D677	MCR03EZPJ102 1KOHM 5% 1/10W 1608	R2124	0RJ1502D677	MCR03EZPJ153 15KOHM 5% 1/10W 1608
R159	0RJ2001C678	MCR01MZPJ202 2KOHM 5% 1/16W 1005	R2125	0RJ1502D677	MCR03EZPJ153 15KOHM 5% 1/10W 1608
R160	0RJ2001C678	MCR01MZPJ202 2KOHM 5% 1/16W 1005	R2126	0RJ1502D677	MCR03EZPJ153 15KOHM 5% 1/10W 1608
R161	0RJ4701D677	MCR03EZPJ472 4.7KOHM 5% 1/10W 160	R2127	0RJ1502D677	MCR03EZPJ153 15KOHM 5% 1/10W 1608
R162	0RJ6801D677	MCR03EZPJ682 6.8KOHM 5% 1/10W 160	R213	0RJ4701D677	MCR03EZPJ472 4.7KOHM 5% 1/10W 160
R163	0RJ4701D677	MCR03EZPJ472 4.7KOHM 5% 1/10W 160	R2134	0RJ2201D677	MCR03EZPJ222 2.2KOHM 5% 1/10W 160
R164	0RJ6801D677	MCR03EZPJ682 6.8KOHM 5% 1/10W 160	R2135	0RJ2201D677	MCR03EZPJ222 2.2KOHM 5% 1/10W 160
R165	0RJ4701D677	MCR03EZPJ472 4.7KOHM 5% 1/10W 160	R2136	0RJ2201D677	MCR03EZPJ222 2.2KOHM 5% 1/10W 160
R166	0RJ6801D677	MCR03EZPJ682 6.8KOHM 5% 1/10W 160	R214	0RJ4700D677	MCR03EZPJ471 470OHM 5% 1/10W 1608
R167	0RJ0822D677	MCR03EZPJ820 82OHM 5% 1/10W 1608	R215	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608 R
R168	0RJ0822D677	MCR03EZPJ820 82OHM 5% 1/10W 1608	R216	0RJ1001D677	MCR03EZPJ102 1KOHM 5% 1/10W 1608
R169	0RJ0822D677	MCR03EZPJ820 82OHM 5% 1/10W 1608	R218	0RJ0822D677	MCR03EZPJ820 82OHM 5% 1/10W 1608
R170	0RJ2700D677	MCR03EZPJ271 270OHM 5% 1/10W 1608	R219	0RJ4701D677	MCR03EZPJ472 4.7KOHM 5% 1/10W 160
R171	0RJ2700D677	MCR03EZPJ271 270OHM 5% 1/10W 1608	R220	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608 R
R172	0RJ2700D677	MCR03EZPJ271 270OHM 5% 1/10W 1608	R221	0RJ0102D677	MCR03EZPJ100 100OHM 5% 1/10W 1608
R173	0RJ0822D677	MCR03EZPJ820 82OHM 5% 1/10W 1608	R222	0RJ2000D677	MCR03EZPJ201 200OHM 5% 1/10W 1608
R174	0RJ0822D677	MCR03EZPJ820 82OHM 5% 1/10W 1608	R223	0RJ1002D677	MCR03EZPJ103 10KOHM 5% 1/10W 1608
R175	0RJ0822D677	MCR03EZPJ820 82OHM 5% 1/10W 1608	R224	0RJ1001D677	MCR03EZPJ102 1KOHM 5% 1/10W 1608
R176	0RH0000D622	MCR10EZHJ000 0OHM 5% 1/8W 2012 R/	R225	0RJ1002D677	MCR03EZPJ103 10KOHM 5% 1/10W 1608
R177	0RH0000D622	MCR10EZHJ000 0OHM 5% 1/8W 2012 R/	R226	0RJ2700D677	MCR03EZPJ271 270OHM 5% 1/10W 1608
R178	0RJ2203D677	MCR03EZPJ224 220KOHM 5% 1/10W 160	R227	0RJ2200D677	MCR03EZPJ221 220OHM 5% 1/10W 1608
R179	0RJ2203D677	MCR03EZPJ224 220KOHM 5% 1/10W 160	R228	0RJ2201D677	MCR03EZPJ222 2.2KOHM 5% 1/10W 160
R180	0RJ0752D677	MCR03EZPJ750 75OHM 5% 1/10W 1608	R229	0RJ0222D677	MCR03EZPJ220 22OHM 5% 1/10W 1608
R181	0RJ0752D677	MCR03EZPJ750 75OHM 5% 1/10W 1608	R230	0RJ1001D677	MCR03EZPJ102 1KOHM 5% 1/10W 1608
R182	0RJ0752D677	MCR03EZPJ750 75OHM 5% 1/10W 1608	R2300	0RJ0752C678	MCR01MZPJ750 75OHM 5% 1/16W 1005
R183	0RJ1001D677	MCR03EZPJ102 1KOHM 5% 1/10W 1608	R2301	0RJ0752C678	MCR01MZPJ750 75OHM 5% 1/16W 1005
R184	0RJ1001D677	MCR03EZPJ102 1KOHM 5% 1/10W 1608	R2302	0RJ0752C678	MCR01MZPJ750 75OHM 5% 1/16W 1005
R200	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608 R	R2303	0RJ0752C678	MCR01MZPJ750 75OHM 5% 1/16W 1005
R201	0RJ0822D677	MCR03EZPJ820 82OHM 5% 1/10W 1608	R231	0RJ1500D677	MCR03EZPJ151 150OHM 5% 1/10W 1608
R202	0RJ1001D677	MCR03EZPJ102 1KOHM 5% 1/10W 1608	R2312	0RJ3301D677	MCR03EZPJ332 3.3KOHM 5% 1/10W 160
R203	0RJ0822D677	MCR03EZPJ820 82OHM 5% 1/10W 1608	R2313	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 100
R204	0RJ1001D677	MCR03EZPJ102 1KOHM 5% 1/10W 1608	R2314	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 100
R205	0RJ4700D677	MCR03EZPJ471 470OHM 5% 1/10W 1608	R2316	0RJ0182C478	MCR01MZPF180 180OHM 1% 1/16W 1005
R206	0RJ1002D677	MCR03EZPJ103 10KOHM 5% 1/10W 1608	R2318	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R
R207	0RJ4701D677	MCR03EZPJ472 4.7KOHM 5% 1/10W 160	R232	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608 R
R208	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 1608	R2320	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R

LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
R2322	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R	R327	0RJ1001D677	MCR03EZPJ102 1KOHM 5% 1/10W 1608
R2324	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R	R328	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005
R2326	0RJ1600D677	MCR03EZPJ161 160OHM 5% 1/10W 1608	R329	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005
R2327	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R	R330	0RJ1003C678	MCR01MZPJ104 100KOHM 5% 1/16W 100
R2328	0RJ1002D677	MCR03EZPJ103 10KOHM 5% 1/10W 1608	R331	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005
R2329	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R	R332	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005
R233	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608 R	R333	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005
R2331	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R	R334	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005
R2333	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R	R335	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005
R2335	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R	R339	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005
R2337	0RJ3301C678	MCR01MZPJ332 3.3KOHM 5% 1/16W 100	R341	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005
R2338	0RJ2001C678	MCR01MZPJ202 2KOHM 5% 1/16W 1005	R342	0RJ1201C678	MCR01MZPJ122 1.2KOHM 5% 1/16W 100
R2339	0RJ0752C678	MCR01MZPJ750 75OHM 5% 1/16W 1005	R343	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005
R234	0RJ1002D677	MCR03EZPJ103 10KOHM 5% 1/10W 1608	R344	0RJ1201C678	MCR01MZPJ122 1.2KOHM 5% 1/16W 100
R2340	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608 R	R345	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005
R2341	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608 R	R346	0RJ1001C678	MCR01MZPJ102 1KOHM 5% 1/16W 1005
R2342	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608 R	R347	0RJ1201C678	MCR01MZPJ122 1.2KOHM 5% 1/16W 100
R2343	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608 R	R348	0RJ1201C678	MCR01MZPJ122 1.2KOHM 5% 1/16W 100
R2344	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608 R	R349	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005
R2345	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608 R	R350	0RJ1001C678	MCR01MZPJ102 1KOHM 5% 1/16W 1005
R235	0RJ4701D677	MCR03EZPJ472 4.7KOHM 5% 1/10W 160	R352	0RJ1201C678	MCR01MZPJ122 1.2KOHM 5% 1/16W 100
R236	0RJ4700D677	MCR03EZPJ471 470OHM 5% 1/10W 1608	R354	0RJ1201C678	MCR01MZPJ122 1.2KOHM 5% 1/16W 100
R237	0RJ2200D677	MCR03EZPJ221 220OHM 5% 1/10W 1608	R355	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005
R238	0RJ2200D677	MCR03EZPJ221 220OHM 5% 1/10W 1608	R400	0RJ0432D677	MCR03EZPJ430 430OHM 5% 1/10W 1608
R239	0RJ4700D677	MCR03EZPJ471 470OHM 5% 1/10W 1608	R401	0RJ6201D677	MCR03EZPJ622 6.2KOHM 5% 1/10W 160
R240	0RJ3900D677	MCR03EZPJ391 390OHM 5% 1/10W 1608	R402	0RJ0432C678	MCR01MZPJ 430 430OHM 5% 1/16W 1005
R241	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608 R	R403	0RJ0432C678	MCR01MZPJ 430 430OHM 5% 1/16W 1005
R242	0RJ2201D677	MCR03EZPJ222 2.2KOHM 5% 1/10W 160	R404	0RJ6201D677	MCR03EZPJ622 6.2KOHM 5% 1/10W 160
R300	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608 R	R405	0RJ2402D677	MCR03EZPJ243 24KOHM 5% 1/10W 1608
R301	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608 R	R406	0RJ1501D677	MCR03EZPJ152 1.5KOHM 5% 1/10W 160
R302	0RJ2200D677	MCR03EZPJ221 220OHM 5% 1/10W 1608	R407	0RJ4700D677	MCR03EZPJ471 470OHM 5% 1/10W 1608
R303	0RJ1800D677	MCR03EZPJ181 180OHM 5% 1/10W 1608	R409	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 1608
R304	0RJ2200D677	MCR03EZPJ221 220OHM 5% 1/10W 1608	R410	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 1608
R305	0RJ1500D677	MCR03EZPJ151 150OHM 5% 1/10W 1608	R411	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 1608
R306	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 1608	R412	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 1608
R307	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 1608	R413	0RJ4701D677	MCR03EZPJ472 4.7KOHM 5% 1/10W 160
R308	0RJ3300D677	MCR03EZPJ331 330OHM 5% 1/10W 1608	R414	0RJ4701D677	MCR03EZPJ472 4.7KOHM 5% 1/10W 160
R309	0RJ2200D677	MCR03EZPJ221 220OHM 5% 1/10W 1608	R415	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 1005
R310	0RJ2200D677	MCR03EZPJ221 220OHM 5% 1/10W 1608	R416	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 1005
R311	0RJ1001D677	MCR03EZPJ102 1KOHM 5% 1/10W 1608	R417	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 1005
R312	0RJ1001D677	MCR03EZPJ102 1KOHM 5% 1/10W 1608	R420	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R
R313	0RJ2200C678	MCR01MZPJ221 220OHM 5% 1/16W 1005	R421	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R
R314	0RJ2200C678	MCR01MZPJ221 220OHM 5% 1/16W 1005	R422	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R
R315	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005	R423	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608 R
R316	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005	R424	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608 R
R317	0RJ2200D677	MCR03EZPJ221 220OHM 5% 1/10W 1608	R425	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608 R
R318	0RJ2200D677	MCR03EZPJ221 220OHM 5% 1/10W 1608	R426	0RJ1001C678	MCR01MZPJ102 1KOHM 5% 1/16W 1005
R319	0RJ2200C678	MCR01MZPJ221 220OHM 5% 1/16W 1005	R427	0RJ1001C678	MCR01MZPJ102 1KOHM 5% 1/16W 1005
R320	0RJ2200C678	MCR01MZPJ221 220OHM 5% 1/16W 1005	R428	0RJ1001D677	MCR03EZPJ102 1KOHM 5% 1/10W 1608
R321	0RJ1001D677	MCR03EZPJ102 1KOHM 5% 1/10W 1608	R429	0RJ1001D677	MCR03EZPJ102 1KOHM 5% 1/10W 1608
R322	0RJ1001D677	MCR03EZPJ102 1KOHM 5% 1/10W 1608	R430	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 100
R323	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 1608	R431	0RJ4701C678	MCR01MZPJ472 4.7KOHM 5% 1/16W 100
R324	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 1608	R432	0RJ4701D677	MCR03EZPJ472 4.7KOHM 5% 1/10W 160
R325	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 1608	R433	0RJ4701D677	MCR03EZPJ472 4.7KOHM 5% 1/10W 160
R326	0RJ1001D677	MCR03EZPJ102 1KOHM 5% 1/10W 1608	R434	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608 R

LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
R435	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608 R	R498	0RJ4701D677	MCR03EZPJ472 4.7KOHM 5% 1/10W 160
R436	0RJ2001D677	MCR03EZPJ202 2KOHM 5% 1/10W 1608	R499	0RJ4701D677	MCR03EZPJ472 4.7KOHM 5% 1/10W 160
R437	0RJ2001D677	MCR03EZPJ202 2KOHM 5% 1/10W 1608	R501	0RJ2203C678	MCR01MZPJ224 220KOHM 5% 1/16W 100
R438	0RJ4703D677	MCR03EZPJ474 470KOHM 5% 1/10W 160	R502	0RJ2203C678	MCR01MZPJ224 220KOHM 5% 1/16W 100
R439	0RJ4703D677	MCR03EZPJ474 470KOHM 5% 1/10W 160	R503	0RJ0752D677	MCR03EZPJ750 750OHM 5% 1/10W 1608
R440	0RJ4703D677	MCR03EZPJ474 470KOHM 5% 1/10W 160	R504	0RJ0752D677	MCR03EZPJ750 750OHM 5% 1/10W 1608
R441	0RJ4703D677	MCR03EZPJ474 470KOHM 5% 1/10W 160	R505	0RJ4701D677	MCR03EZPJ472 4.7KOHM 5% 1/10W 160
R442	0RJ2001D677	MCR03EZPJ202 2KOHM 5% 1/10W 1608	R506	0RJ0752D677	MCR03EZPJ750 750OHM 5% 1/10W 1608
R443	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608 R	R507	0RJ4701D677	MCR03EZPJ472 4.7KOHM 5% 1/10W 160
R444	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608 R	R508	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608 R
R445	0RJ1501D677	MCR03EZPJ152 1.5KOHM 5% 1/10W 160	R509	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R
R446	0RJ1501D677	MCR03EZPJ152 1.5KOHM 5% 1/10W 160	R510	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608 R
R447	0RJ2001D677	MCR03EZPJ202 2KOHM 5% 1/10W 1608	R511	0RJ1001D677	MCR03EZPJ102 1KOHM 5% 1/10W 1608
R448	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608 R	R512	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608 R
R449	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608 R	R513	0RJ1001D677	MCR03EZPJ102 1KOHM 5% 1/10W 1608
R450	0RJ2001D677	MCR03EZPJ202 2KOHM 5% 1/10W 1608	R514	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R
R451	0RJ2001D677	MCR03EZPJ202 2KOHM 5% 1/10W 1608	R516	0RJ1001C678	MCR01MZPJ102 1KOHM 5% 1/16W 1005
R452	0RJ2402D677	MCR03EZPJ243 24KOHM 5% 1/10W 1608	R517	0RJ1001C678	MCR01MZPJ102 1KOHM 5% 1/16W 1005
R453	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R	R520	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R
R454	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R	R521	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R
R455	0RJ0432D677	MCR03EZPJ430 430OHM 5% 1/10W 1608	R522	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R
R456	0RJ1501D677	MCR03EZPJ152 1.5KOHM 5% 1/10W 160	R523	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R
R457	0RJ4700D677	MCR03EZPJ471 470OHM 5% 1/10W 1608	R527	0RJ1001C678	MCR01MZPJ102 1KOHM 5% 1/16W 1005
R461	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005	R528	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005
R462	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005	R529	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005
R463	0RJ4701D677	MCR03EZPJ472 4.7KOHM 5% 1/10W 160	R530	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 1005
R464	0RJ4701D677	MCR03EZPJ472 4.7KOHM 5% 1/10W 160	R531	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R
R465	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005	R532	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R
R466	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005	R533	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 1005
R468	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R	R535	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 1608
R469	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R	R536	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 1608
R470	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R	R537	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 1608
R474	0RJ1001D677	MCR03EZPJ102 1KOHM 5% 1/10W 1608	R538	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 1608
R475	0RJ1001D677	MCR03EZPJ102 1KOHM 5% 1/10W 1608	R539	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R
R476	0RJ4701D677	MCR03EZPJ472 4.7KOHM 5% 1/10W 160	R540	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005
R477	0RJ4701D677	MCR03EZPJ472 4.7KOHM 5% 1/10W 160	R541	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005
R478	0RJ4703C678	MCR01MZPJ474 470KOHM 5% 1/16W 100	R542	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005
R479	0RJ4703C678	MCR01MZPJ474 470KOHM 5% 1/16W 100	R543	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005
R480	0RJ1501C678	MCR01MZPJ152 1.5KOHM 5% 1/16W 100	R552	0RJ1001C678	MCR01MZPJ102 1KOHM 5% 1/16W 1005
R481	0RJ1501C678	MCR01MZPJ152 1.5KOHM 5% 1/16W 100	R553	0RJ0222C678	MCR01MZPJ220 220OHM 5% 1/16W 1005
R482	0RJ3301C678	MCR01MZPJ332 3.3KOHM 5% 1/16W 100	R554	0RJ0222C678	MCR01MZPJ220 220OHM 5% 1/16W 1005
R483	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005	R555	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 1608
R484	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005	R556	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 1608
R485	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005	R557	0RJ1002D677	MCR03EZPJ103 10KOHM 5% 1/10W 1608
R486	0RJ0331D677	MCR03EZPJ3R3 3.3OHM 5% 1/10W 1608	R558	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608 R
R488	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R	R559	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608 R
R489	0RJ0561D677	MCR03EZPJ5R6 5.6OHM 5% 1/10W 1608	R560	0RJ1001D677	MCR03EZPJ102 1KOHM 5% 1/10W 1608
R490	0RJ0561D677	MCR03EZPJ5R6 5.6OHM 5% 1/10W 1608	R561	0RJ1001D677	MCR03EZPJ102 1KOHM 5% 1/10W 1608
R491	0RJ0561D677	MCR03EZPJ5R6 5.6OHM 5% 1/10W 1608	R562	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608 R
R492	0RJ0561D677	MCR03EZPJ5R6 5.6OHM 5% 1/10W 1608	R563	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608 R
R493	0RJ0561D677	MCR03EZPJ5R6 5.6OHM 5% 1/10W 1608	R565	0RJ4701D677	MCR03EZPJ472 4.7KOHM 5% 1/10W 160
R494	0RJ0561D677	MCR03EZPJ5R6 5.6OHM 5% 1/10W 1608	R614	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005
R495	0RJ0561D677	MCR03EZPJ5R6 5.6OHM 5% 1/10W 1608	R615	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005
R496	0RJ0561D677	MCR03EZPJ5R6 5.6OHM 5% 1/10W 1608	R616	0RJ1000C678	MCR01MZPJ101 100OHM 5% 1/16W 1005
R497	0RJ4701D677	MCR03EZPJ472 4.7KOHM 5% 1/10W 160	R618	0RJ0752C678	MCR01MZPJ750 750OHM 5% 1/16W 1005

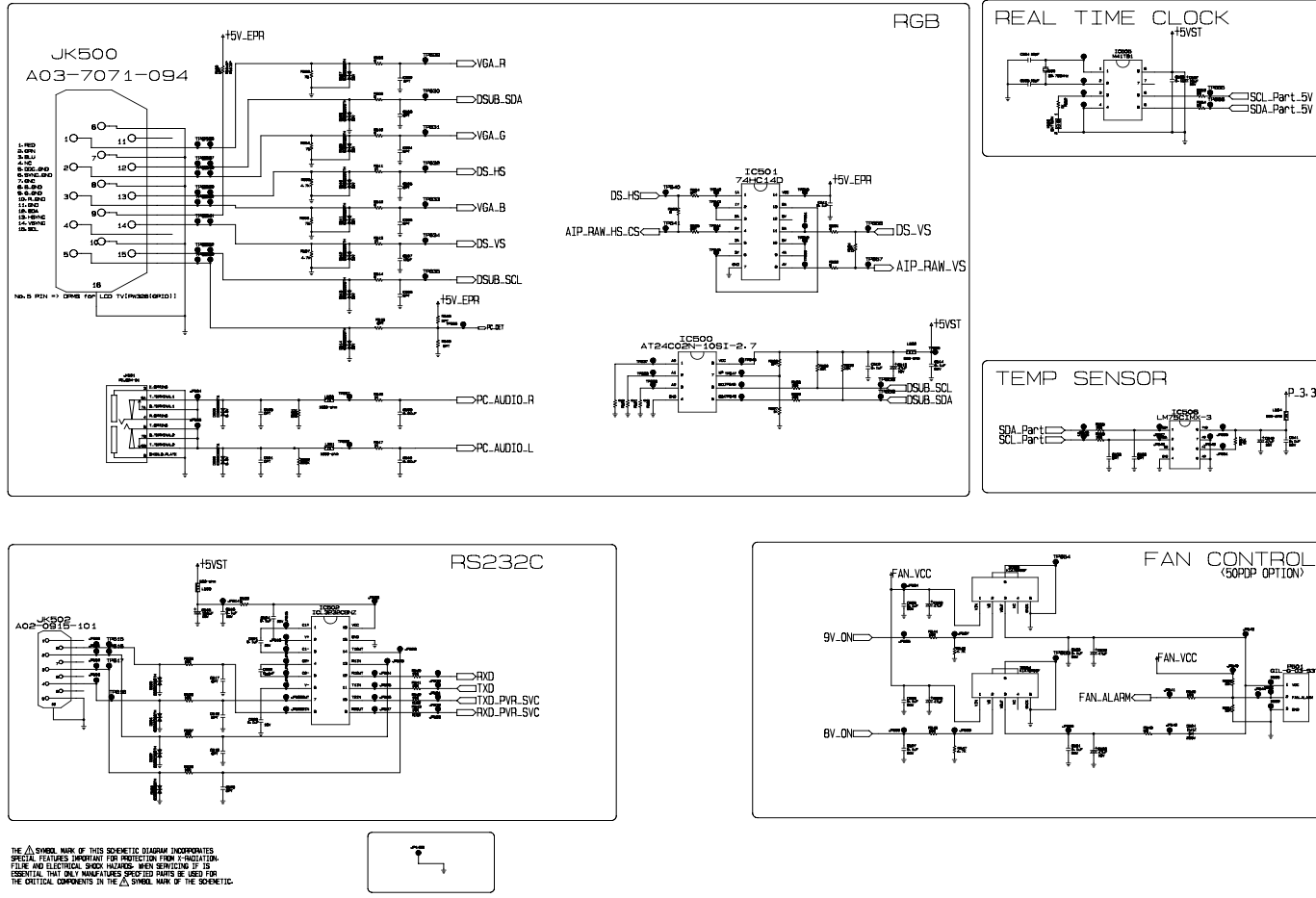
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R620	0RJ4703C678	MCR01MZPJ474 470KOHM 5% 1/16W 100	R729	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608 R
R621	0RJ0752C678	MCR01MZPJ750 75OHM 5% 1/16W 1005	R730	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R
R622	0RJ4703C678	MCR01MZPJ474 470KOHM 5% 1/16W 100	R731	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608 R
R623	0RJ4701D677	MCR03EZPJ472 4.7KOHM 5% 1/10W 160	R732	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R
R624	0RJ4701D677	MCR03EZPJ472 4.7KOHM 5% 1/10W 160	R733	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R
R625	0RJ1002D677	MCR03EZPJ103 10KOHM 5% 1/10W 1608	R734	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608 R
R626	0RJ4701D677	MCR03EZPJ472 4.7KOHM 5% 1/10W 160	R735	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 1005
R626	0RJ1002D677	MCR03EZPJ103 10KOHM 5% 1/10W 1608	R736	0RJ1001D677	MCR03EZPJ102 1KOHM 5% 1/10W 1608
R627	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608 R	R744	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608 R
R629	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608 R	R745	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 1005
R630	0RJ4700D677	MCR03EZPJ471 470OHM 5% 1/10W 1608	R746	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 1005
R631	0RJ1001D677	MCR03EZPJ102 1KOHM 5% 1/10W 1608	R747	0RJ0512C678	MCR01MZPJ510 51OHM 5% 1/16W 1005
R632	0RJ4701D677	MCR03EZPJ472 4.7KOHM 5% 1/10W 160	R748	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608 R
R633	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608 R	R749	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608 R
R634	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608 R	R750	0RJ4701D677	MCR03EZPJ472 4.7KOHM 5% 1/10W 160
R635	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608 R	R751	0RJ4701D677	MCR03EZPJ472 4.7KOHM 5% 1/10W 160
R636	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608 R	R752	0RJ4701D677	MCR03EZPJ472 4.7KOHM 5% 1/10W 160
R637	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608 R	R753	0RJ2701D677	MCR03EZPJ272 2.7KOHM 5% 1/10W 160
R638	0RJ0000D677	MCR03EZPJ000 0OHM 5% 1/10W 1608 R	R754	0RJ1002D677	MCR03EZPJ103 10KOHM 5% 1/10W 1608
R639	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R	R755	0RJ1002D677	MCR03EZPJ103 10KOHM 5% 1/10W 1608
R640	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R	R756	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 1005
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R642	0RJ0342D477	MCR03EZPF34R0 34OHM 1% 1/10W 1608	R758	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 1005
R643	0RJ0342D477	MCR03EZPF34R0 34OHM 1% 1/10W 1608	R759	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 1005
R644	0RJ1502C678	MCR01MZPJ153 15KOHM 5% 1/16W 1005	R767	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 1005
R645	0RJ1502C678	MCR01MZPJ153 15KOHM 5% 1/16W 1005	R768	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 1005
R646	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 1005	R771	0RJ1002D677	MCR03EZPJ103 10KOHM 5% 1/10W 1608
R647	0RJ1001C678	MCR01MZPJ102 1KOHM 5% 1/16W 1005	R773	0RJ1002C678	MCR01MZPJ103 10KOHM 5% 1/16W 1005
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R702	0RH0202D622	MCR10EZHJ200 20OHM 5% 1/8W 2012 R	R783	0RJ1002D677	MCR03EZPJ103 10KOHM 5% 1/10W 1608
R704	0RH0202D622	MCR10EZHJ200 20OHM 5% 1/8W 2012 R	R784	0RJ1002D677	MCR03EZPJ103 10KOHM 5% 1/10W 1608
R706	0RJ3301D677	MCR03EZPJ332 3.3KOHM 5% 1/10W 160	R785	0RJ1002D677	MCR03EZPJ103 10KOHM 5% 1/10W 1608
R708	0RJ1002D677	MCR03EZPJ103 10KOHM 5% 1/10W 1608	R786	0RJ1002D677	MCR03EZPJ103 10KOHM 5% 1/10W 1608
R709	0RJ1001D677	MCR03EZPJ102 1KOHM 5% 1/10W 1608	R789	0RJ1002D677	MCR03EZPJ103 10KOHM 5% 1/10W 1608
R710	0RJ0222D677	MCR03EZPJ220 22OHM 5% 1/10W 1608	R790	0RJ1002D677	MCR03EZPJ103 10KOHM 5% 1/10W 1608
R711	0RJ0512D677	MCR03EZPJ510 51OHM 5% 1/10W 1608	R798	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 1005
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R716	0RH0202D622	MCR10EZHJ200 20OHM 5% 1/8W 2012 R	R805	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 1005
R717	0RH0202D622	MCR10EZHJ200 20OHM 5% 1/8W 2012 R	R806	0RJ1000D677	MCR03EZPJ101 100OHM 5% 1/10W 1608
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R719	0RH0202D622	MCR10EZHJ200 20OHM 5% 1/8W 2012 R	R808	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 1005
R720	0RH0202D622	MCR10EZHJ200 20OHM 5% 1/8W 2012 R	R809	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 1005
R721	0RJ0222D677	MCR03EZPJ220 22OHM 5% 1/10W 1608	R810	0RJ3301C678	MCR01MZPJ332 3.3KOHM 5% 1/16W 100
R722	0RH0202D622	MCR10EZHJ200 20OHM 5% 1/8W 2012 R	R811	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 1005
R723	0RJ0562D677	MCR03EZPJ560 56OHM 5% 1/10W 1608	R812	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 1005
R724	0RJ0562D677	MCR03EZPJ560 56OHM 5% 1/10W 1608	R813	0RJ0222D677	MCR03EZPJ220 22OHM 5% 1/10W 1608
R725	0RJ0562D677	MCR03EZPJ560 56OHM 5% 1/10W 1608	R814	0RJ0222D677	MCR03EZPJ220 22OHM 5% 1/10W 1608
R726	0RJ0562D677	MCR03EZPJ560 56OHM 5% 1/10W 1608	R815	0RJ0222D677	MCR03EZPJ220 22OHM 5% 1/10W 1608
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R824	0RJ0222C678	MCR01MZPJ220 22OHM 5% 1/16W 1005	R879	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R
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R830	0RJ2701D677	MCR03EZPJ272 2.7KOHM 5% 1/10W 160	R904	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R
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R834	0RJ0332C678	MCR01MZPJ330 33OHM 5% 1/16W 1005	R909	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R
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R844	0RJ0332D677	MCR03EZPJ330 33OHM 5% 1/10W 1608	R923	0RJ2700C678	MCR01MZPJ271 270OHM 5% 1/16W 1005
R845	0RJ0332D677	MCR03EZPJ330 33OHM 5% 1/10W 1608	R934	0RJ0682C678	MCR01MZPJ680 68OHM 5% 1/16W 1005
R846	0RJ0332C678	MCR01MZPJ330 33OHM 5% 1/16W 1005	R935	0RJ0682C678	MCR01MZPJ680 68OHM 5% 1/16W 1005
R847	0RJ0332C678	MCR01MZPJ330 33OHM 5% 1/16W 1005	R936	0RJ0682C678	MCR01MZPJ680 68OHM 5% 1/16W 1005
R848	0RJ0332C678	MCR01MZPJ330 33OHM 5% 1/16W 1005	R937	0RJ0682C678	MCR01MZPJ680 68OHM 5% 1/16W 1005
R849	0RJ0332C678	MCR01MZPJ330 33OHM 5% 1/16W 1005	R938	0RJ0682C678	MCR01MZPJ680 68OHM 5% 1/16W 1005
R850	0RJ0332D677	MCR03EZPJ330 33OHM 5% 1/10W 1608	R939	0RJ0682C678	MCR01MZPJ680 68OHM 5% 1/16W 1005
R851	0RJ0332D677	MCR03EZPJ330 33OHM 5% 1/10W 1608	R940	0RJ0682C678	MCR01MZPJ680 68OHM 5% 1/16W 1005
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R868	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R	C5	6631900098B	Harness, SMH250 110T/205T 900_500mM 2.50MM
R869	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R	C6	6631900099C	Harness, SMH250 SMP250 400mM 2.50MM 3P UL1
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R871	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R	C8	6631T12006W	Harness, 12505HS-0400 12505HS-0400 550mM 1
R872	0RJ0000C678	MCR01MZPJ000 0OHM 5% 1/16W 1005 R	C9	6631T39004D	Harness, 6631T39004D 1-1123722-9 1-1123722
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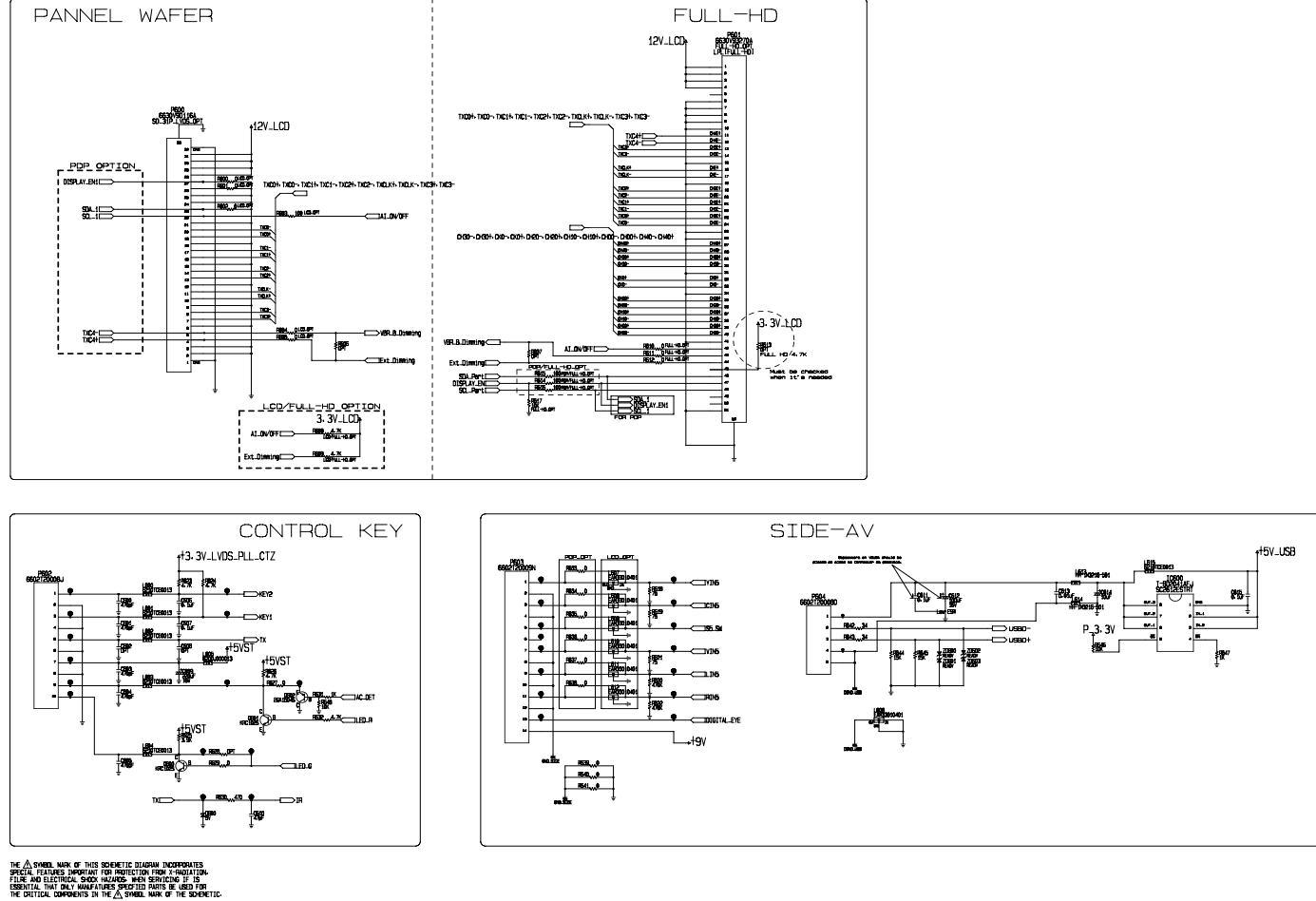
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C10	6851V00080A	Harness, 1537740-1 1537113-2 1-1123722-4 2
C11	EAD35664302	Harness, SMH200(700MM) SMH200-14(YEONHO) S
C12	EAD35682506	Harness, LVDS PDP STANDARD_200mm FI-X30HL(
C13	EAD36175201	Harness, SMH200 SMH200 800MM 2.00MM 5P UL2
C14	EAD36265101	Harness, SMH200 SMH200 500MM 2.00MM 6P UL1
JK500	6630G70016A	A03-7071-094 D-SUB 15P 2.29MM STR
JK502	6630G70017A	A02-0915-101 D-SUB 9P 2.77MM STRA
P103	6630SK00604	USB, UAR27-4K2300 A 1P 2.50MM ANGLE DI
P1000	6602T25008M	Wafer, SMW250-13P 13P 2.50MM 1R STRAIGHT
P101	6602T20009E	Wafer, SMAW200-06P 6P 2.00MM 1R ANGLE DI
P102	6602T20009E	Wafer, SMAW200-06P 6P 2.00MM 1R ANGLE DI
P102	6602T20008N	Wafer, SMW200-14P 14P 2.00MM 1R STRAIGHT
P103	6602T20009J	Wafer, SMAW200-10P 10P 2.00MM 1R ANGLE D
P105	6602T20008D	Wafer, SMW200-05P 5P 2.00MM 1R STRAIGHT
P1100	6602T25008J	Wafer, SMW250-10P 10P 2.50MM 1R ANGLE DI
P1300	6602Q39005A	Wafer, 1-1123723-4 4P 3.96MM 1R STRAIGHT
P1302	6630U60039A	Wafer, 184-0207100-71 7P 1.27MM 1R STRAI
P1305	6602T20008C	Wafer, SMW200-04P 4P 2.00MM 1R STRAIGHT
P1500	6602T20008C	Wafer, SMW200-04P 4P 2.00MM 1R STRAIGHT
P400	6602T25008B	Wafer, SMW250-03P 3P 2.50MM 1R STRAIGHT
P401	6602T25008C	Wafer, SMW250-04P 4P 2.50MM 1R STRAIGHT
P500	6630VF00704	Wafer, 12505WS-04A00 4P 1.25MM 1R STRAIG
P600	6630V90116A	Wafer, FI-X30SSL-HF 30P 1.00MM 1R ANGLE
P602	6602T20008J	Wafer, SMW200-10P 10P 2.00MM 1R STRAIGHT
P603	6602T20009N	Wafer, SMAW200-14P 14P 2.00MM 1R ANGLE D
P604	6602T20008D	Wafer, SMW200-05P 5P 2.00MM 1R STRAIGHT
JACKs		
J101	6612J10033A	PMJ016-13 13P DIN/RCA 14MM ANGLE
JK100	6612M00010A	PSC003-01 21P 21P/1C 3.81MM STRAI
JK101	6612M00010A	PSC003-01 21P 21P/1C 3.81MM STRAI
JK102	6612J10031A	PPJ209-02 14.0MM 1RX5C STRAIGHT T
JK1200	6612B00015B	DC1R019WDH SOCKET 21P STRAIGHT SM
JK1201	6612B00015B	DC1R019WDH SOCKET 21P STRAIGHT SM
JK400	6612J10043A	PPJ200-07 15MM 1RX4C ANGLE BK 3P
JK501	6612F00099A	PEJ024-01 1P 4P STRAIGHT TR 3.6MM
SWITCHs		
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
SW1300	6600VR1004A	SKHMPWE010 1C1P 12VDC 0.05A HORIZ
SW700	6600VR1004A	SKHMPWE010 1C1P 12VDC 0.05A HORIZ
SW900	6600VR1004A	SKHMPWE010 1C1P 12VDC 0.05A HORIZ

LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
OTHERs		
B2	MAY39537104	Box, BOX DW 1183 865 370 2 COLOR 42PB4
CA1	68509A0004J	Cable, Assembly RCA JACK 0.15M 1P BLACK
CA2	EAD35132605	Cable ,Assembly SATA CABLE 250MM SATA 7P RED
B1	MAY32943847	Box, BOX DW 1167 150 352 NO PRINTING 42PB4
L1101	6140VB0004B	Coil, Choke LN-15A1(26UH) 26uH AC500V 5MA 12X9MM
X1200	6202TST001H	Crystal, SX-1 27MHZ 30PPM 27MHZ 30PPM 20pF
X1300	6212AB2872A	Crystal, HC49SM 25MHZ 50PPM 20pF HC49SM
X1301	6212AB2883A	Crystal, HC-49SM 27.00000MHZ 27MHZ 30PPM
X1303	EAW39040101	Crystal, 9H03200584 32.768KHZ 20PPM 12.5pF
X1500	6212AB2883A	Crystal, HC-49SM 27.00000MHZ 27MHZ 30PPM
X400	6202VDT002H	Crystal, SX-1 18.432MHZ 30PPM(16PF)
X401	6202VDT002H	Crystal, SX-1 18.432MHZ 30PPM(16PF)
X501	EAW39040101	Crystal, 9H03200584 32.768KHZ 20PPM
X700	6212AB2015J	Crystal, HC-49SM 19.66080HZ 19.6608HZ
IC101	6712000014A	Receiver Module, KSM-2013TH2A 12.4M BK 3P
IC1306	SAA31073305	S/W, Firmware 3.10 278C EUROPE FLASH ROM
IC900	SAA31073113	S/W, Firmware 3.07 EFC9 EUROPE FLASH ROM
IC506	EBD38015101	Sensor, Temperature MM3286CFBE 0.3~3.6 SOP 8P
TU200	EBL35311213	Tuner, Tuner/Modulator TAUT-W001D PAL-B/G+I+D/K
TU201	EBL35311214	Tuner, Tuner/Modulator TAFT-W004P PAL-B/G+I+D/K
ACCESSORY		
A1	SAC30653121	Title, CD MANUAL MP lan(25)
A1	MFL39050003	Manual, Owners EN/RU/KA/UK(4) CISver. Simple Book
A2	MKJ39170809	Remote Controller, COMPLEX ANALOG PVR R/C For Euro
A21	3550V00590A	Cover, MOLD ABS 50PC3DD-UE.AUSRSRHSR ABS
A3	EAD36223101	Power Cord, LP34A+LS60L LP-34A LS-60L 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
A8	4930TKK040B	Holder, MOLD NYLON CABLE (815-6866)CLIP

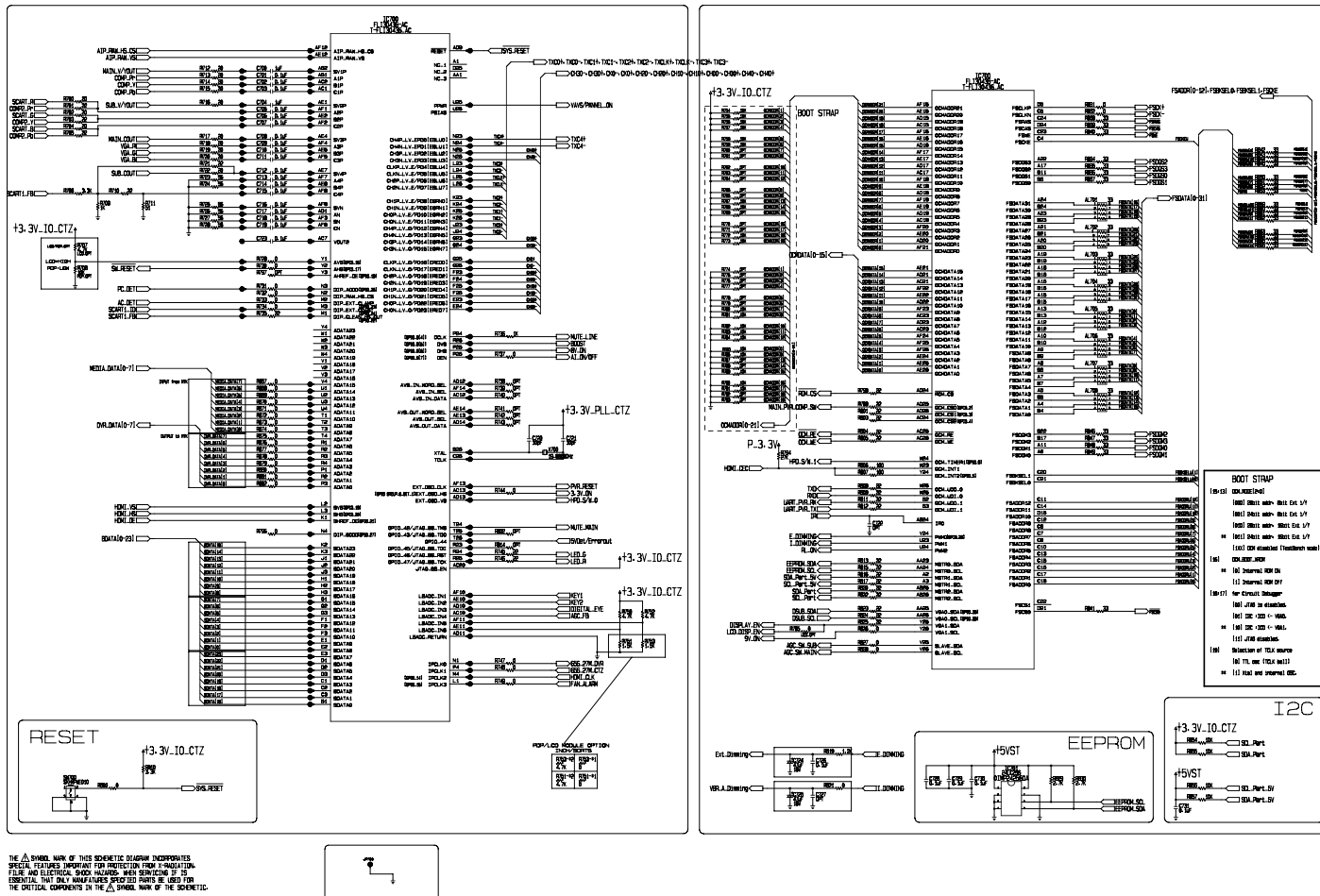
5. RGB& RS232C& TIMER& FAN



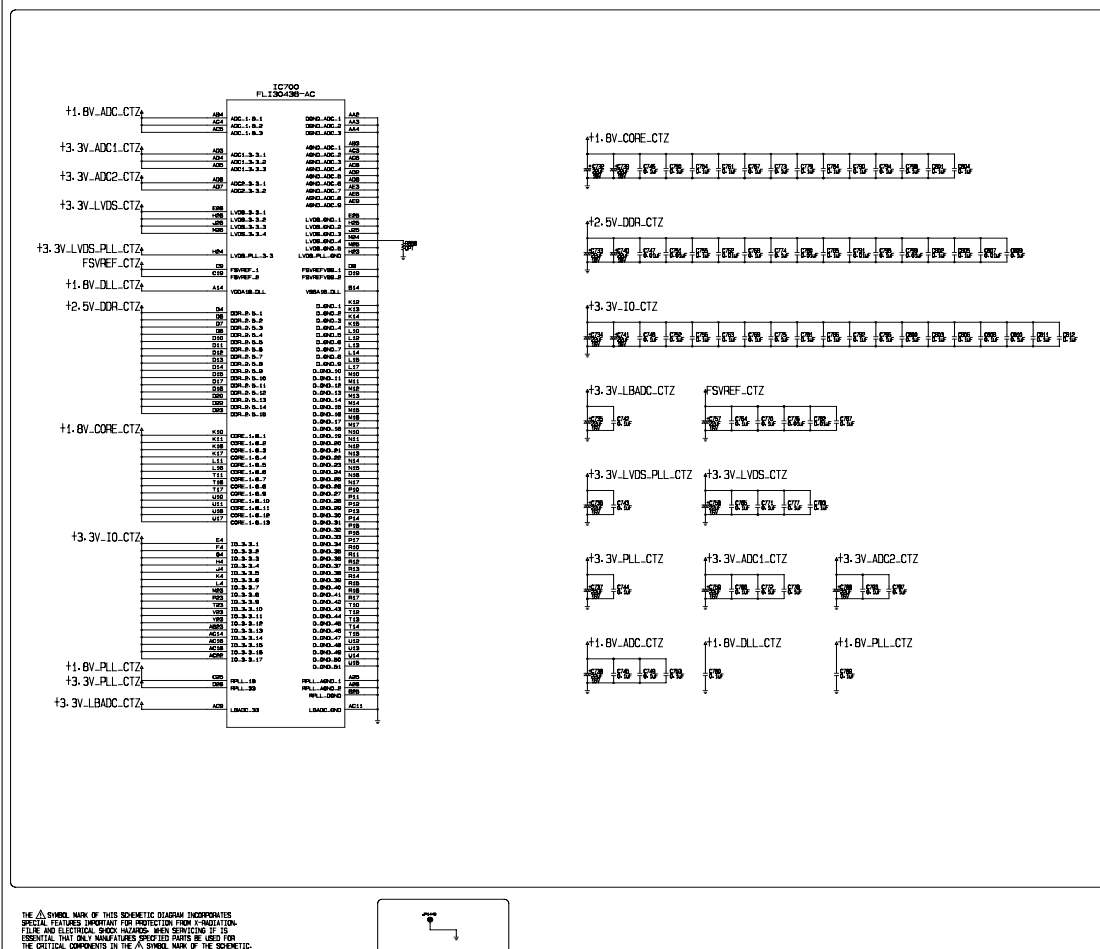
6. LVDS&CONTROL&SIDE AV



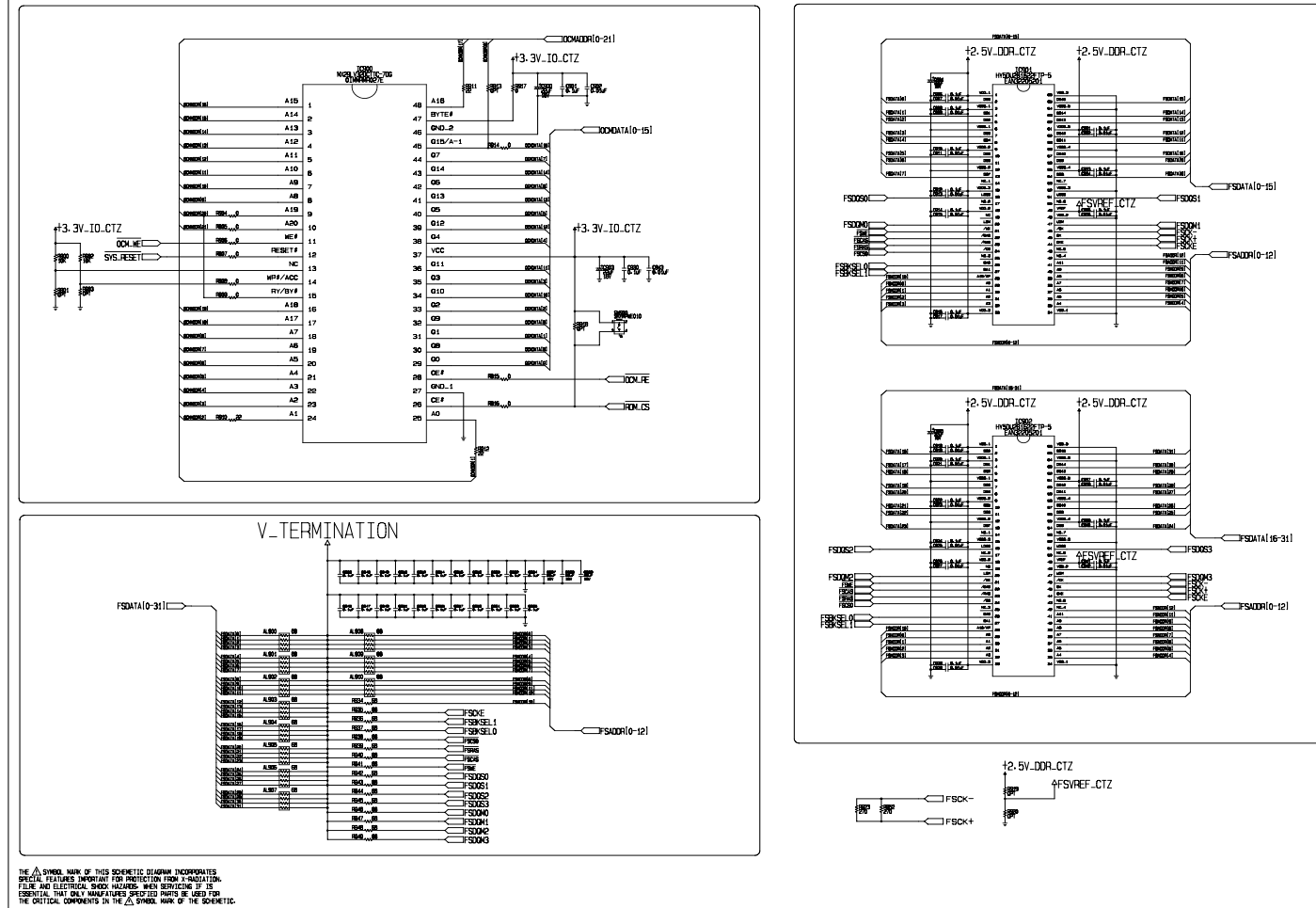
7. TORINO_FLI30436_I/O



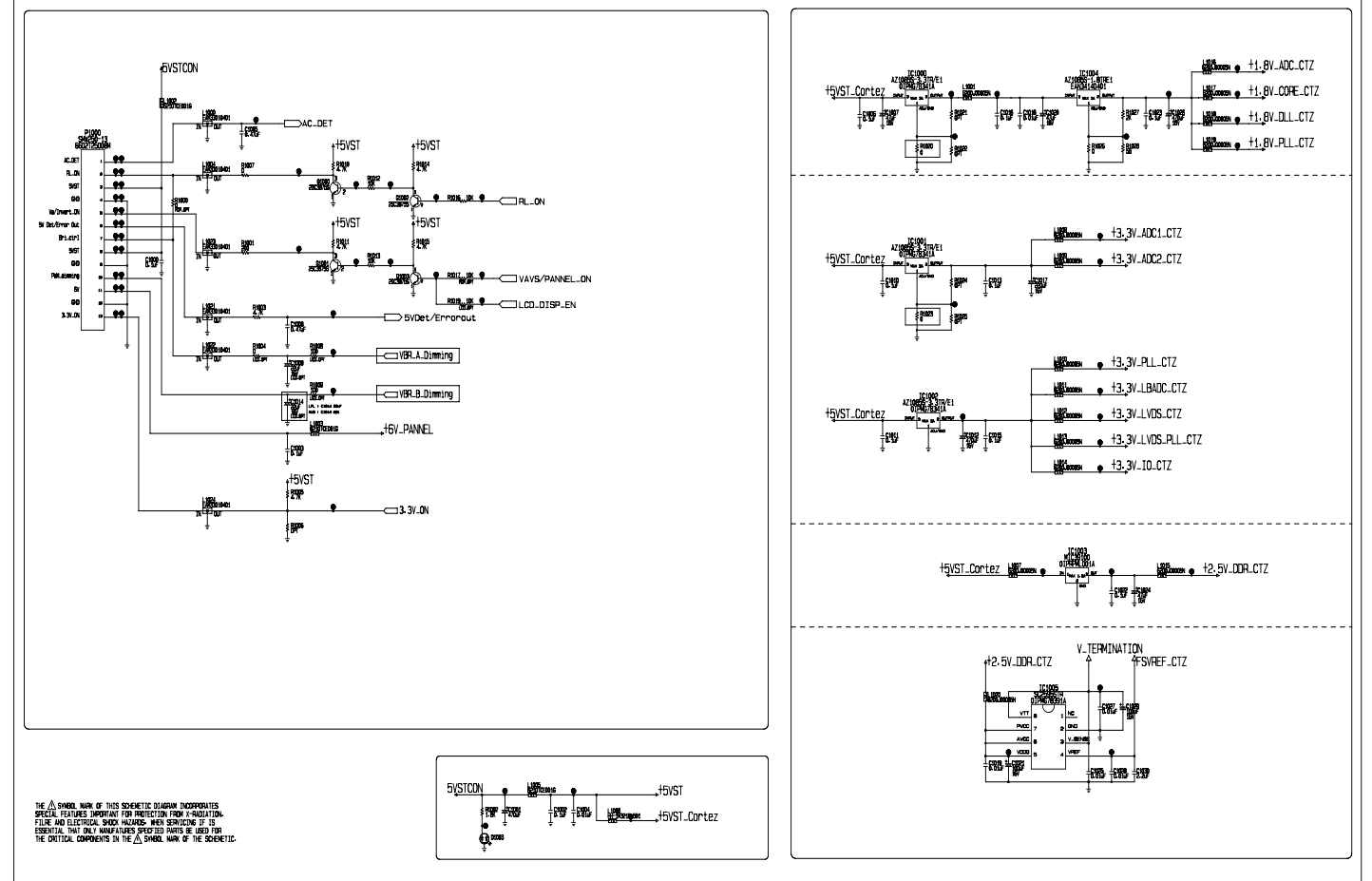
8. TORINO_FLI30436_Power



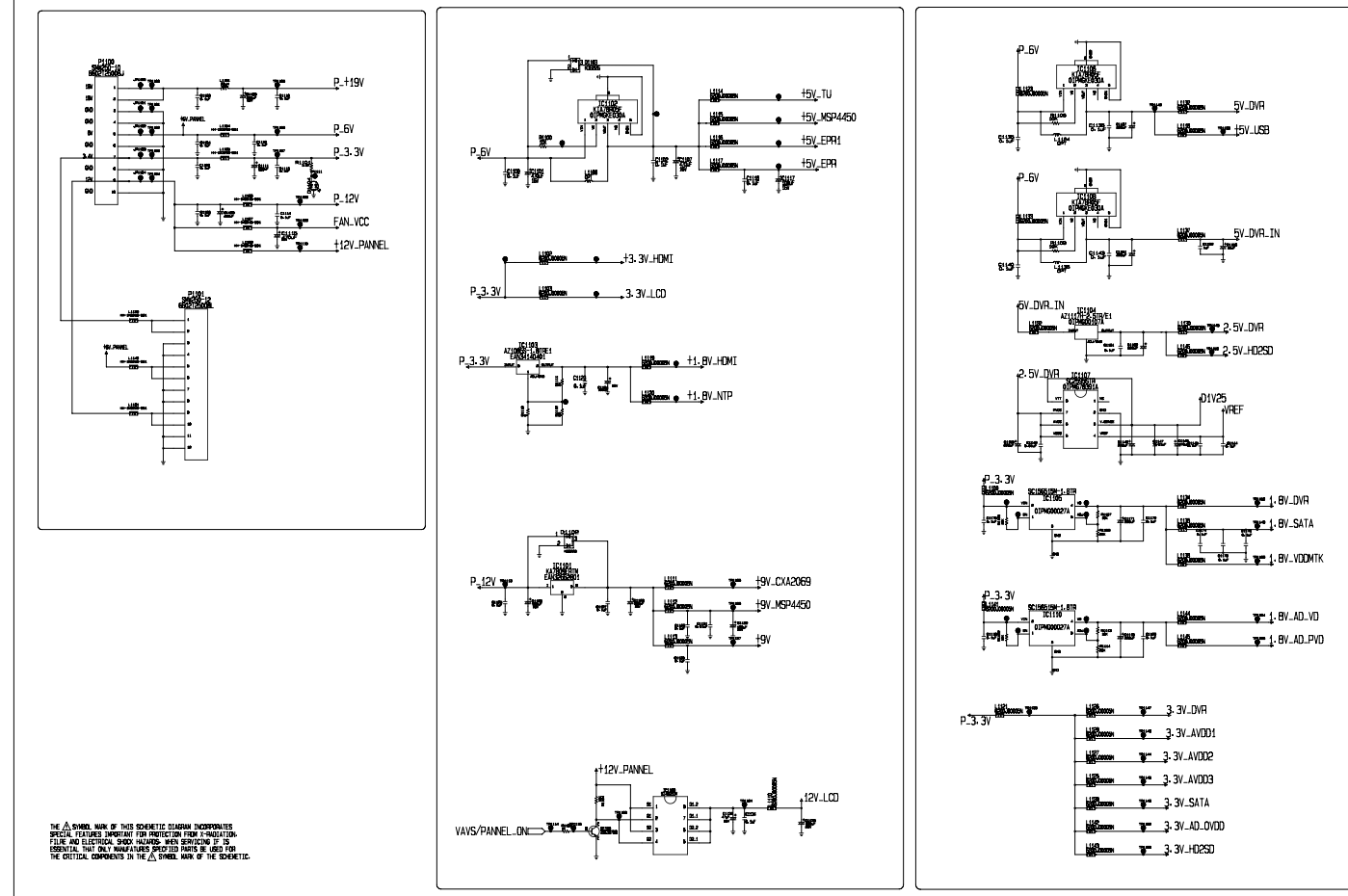
9. FLASH & DDR MEMORY



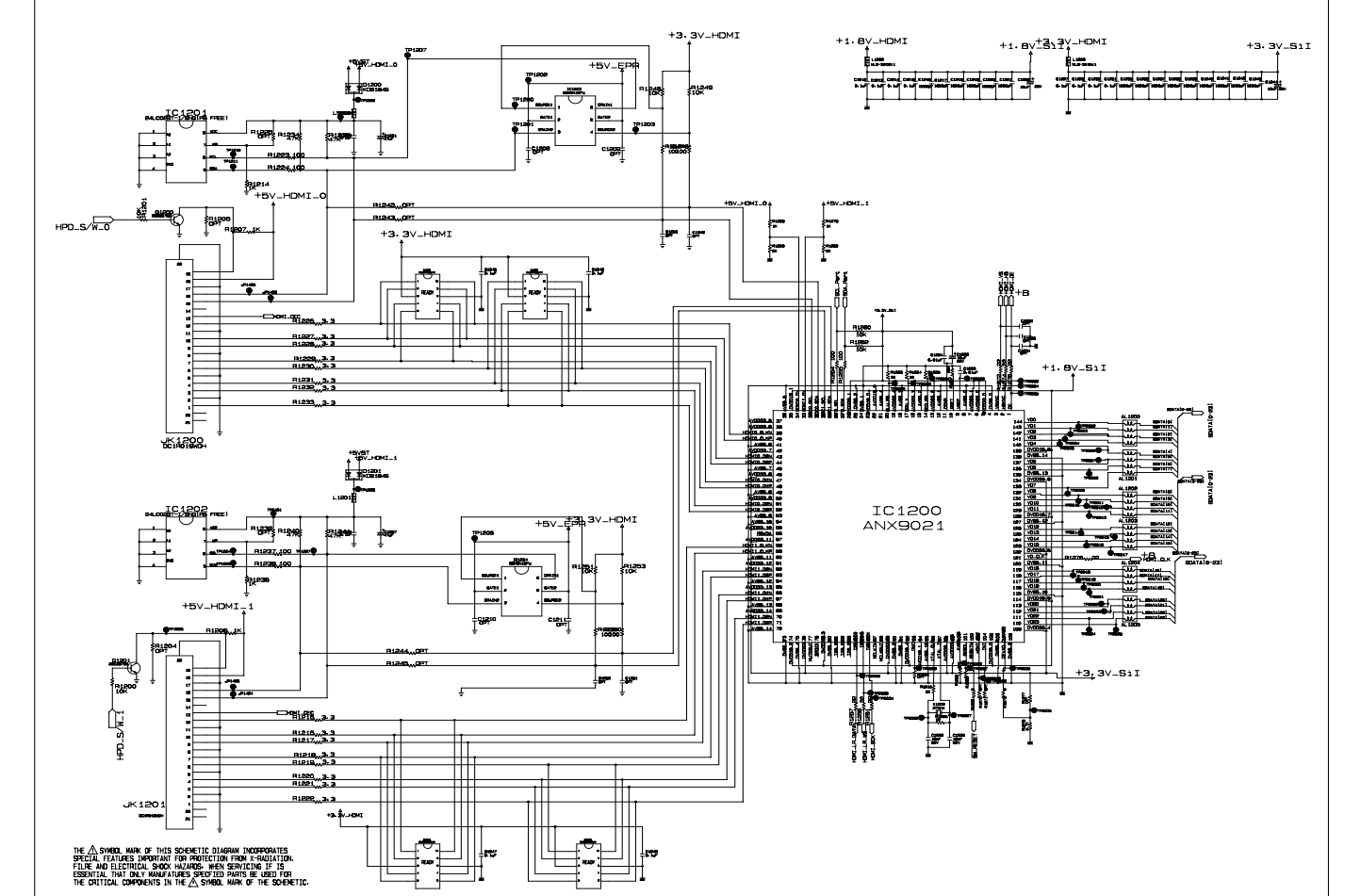
10. POWER_STANDBY



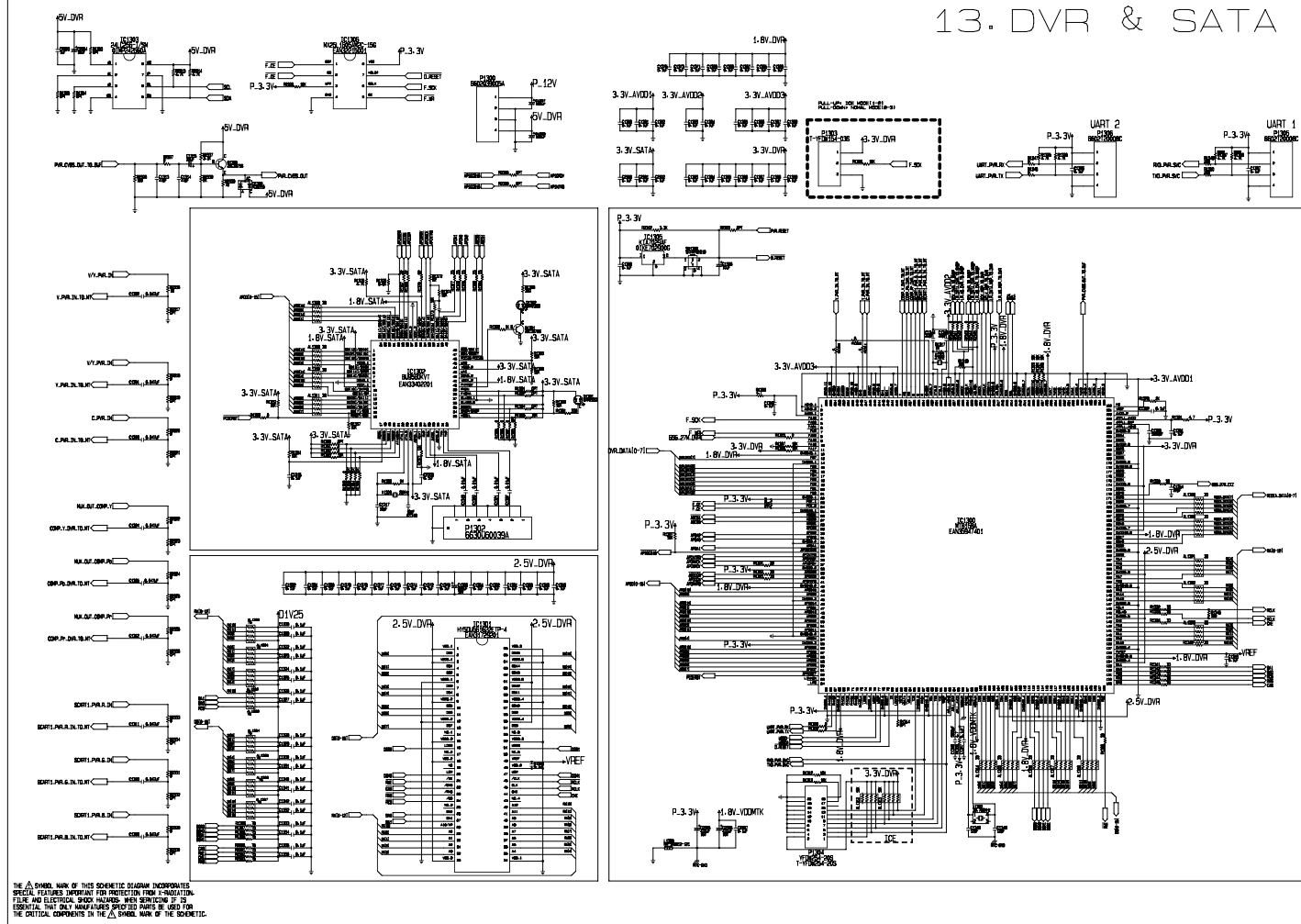
11. POWER_MULTI



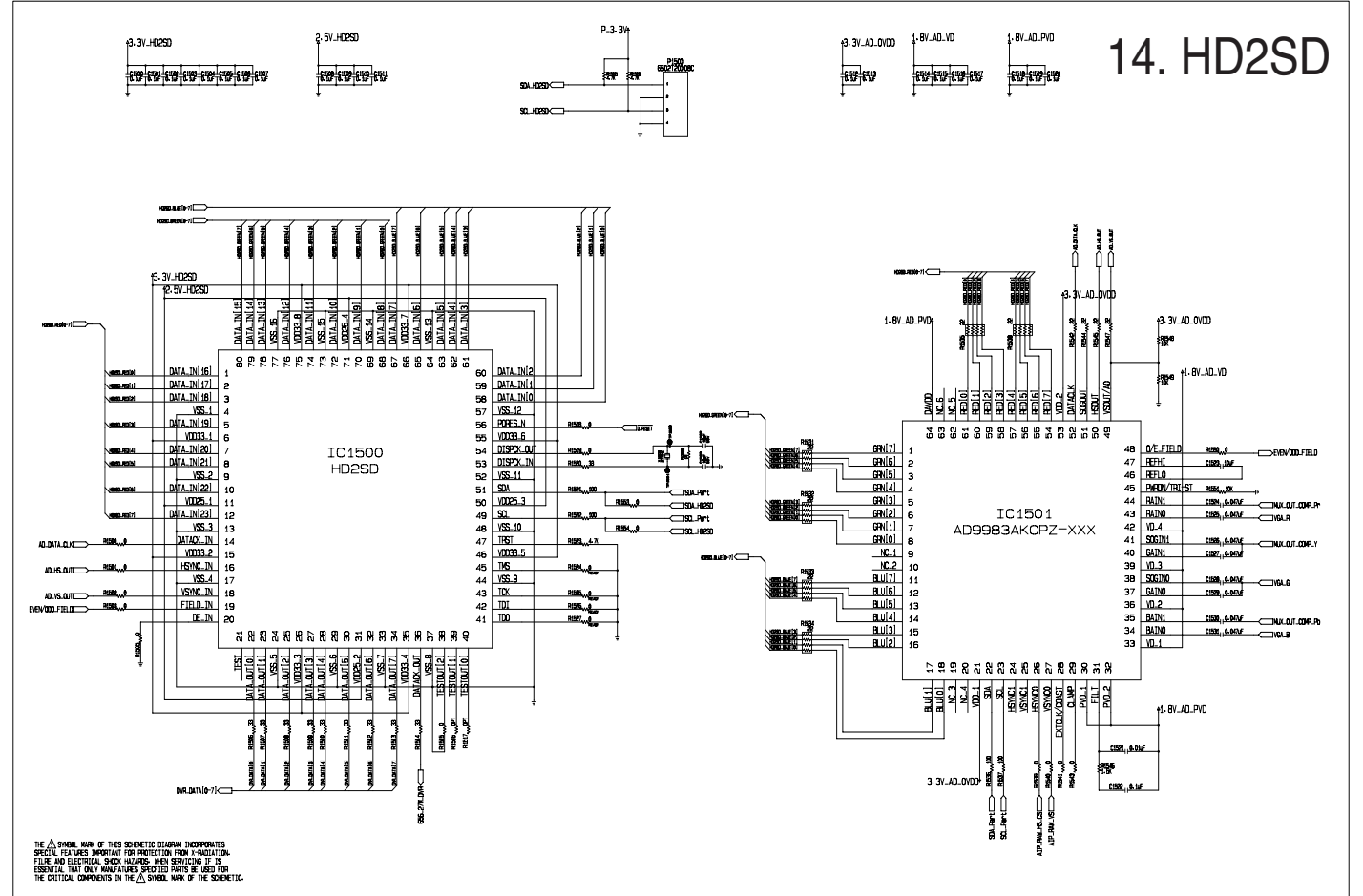
12. HDMI



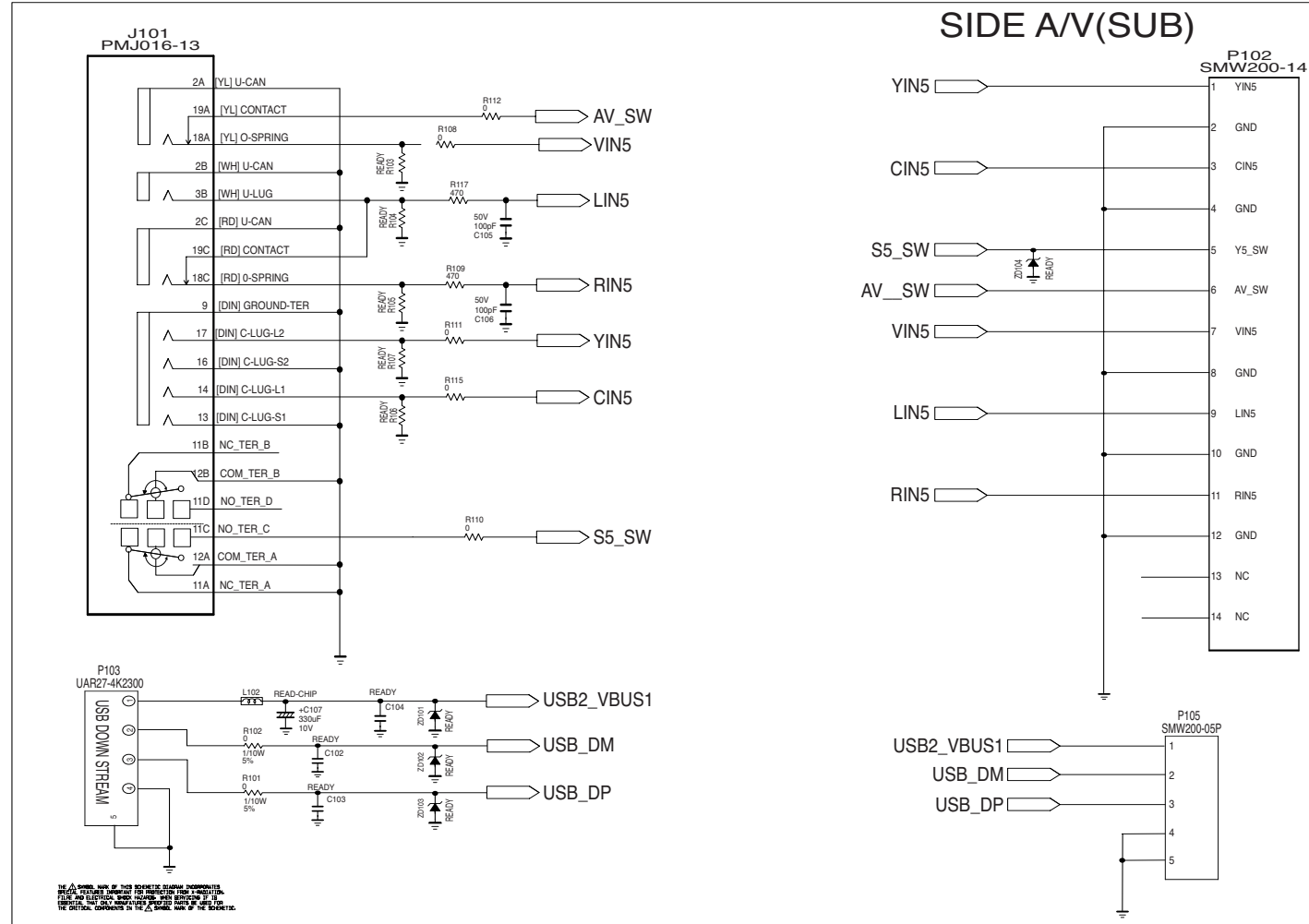
13. DVR & SATA



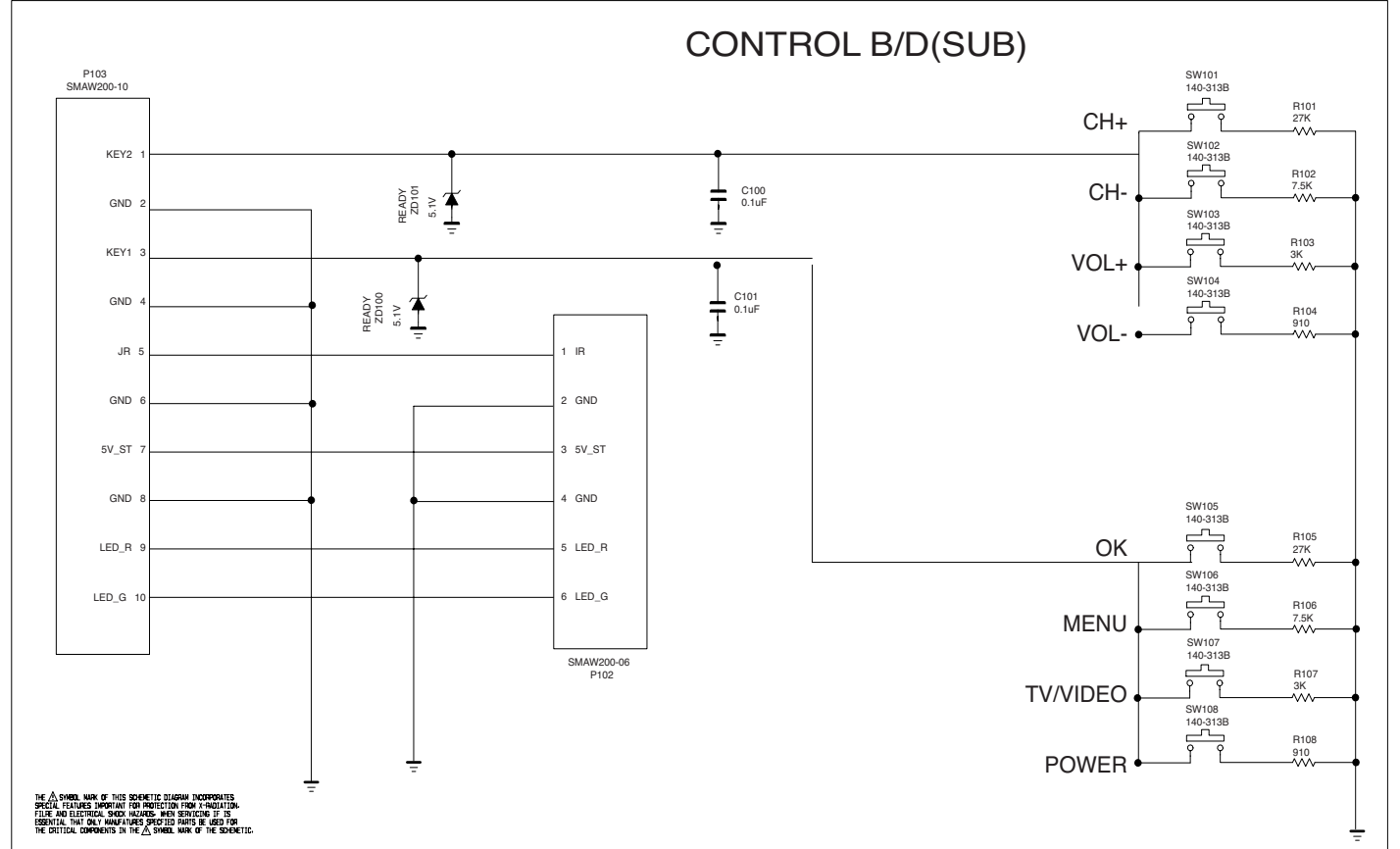
14. HD2SD

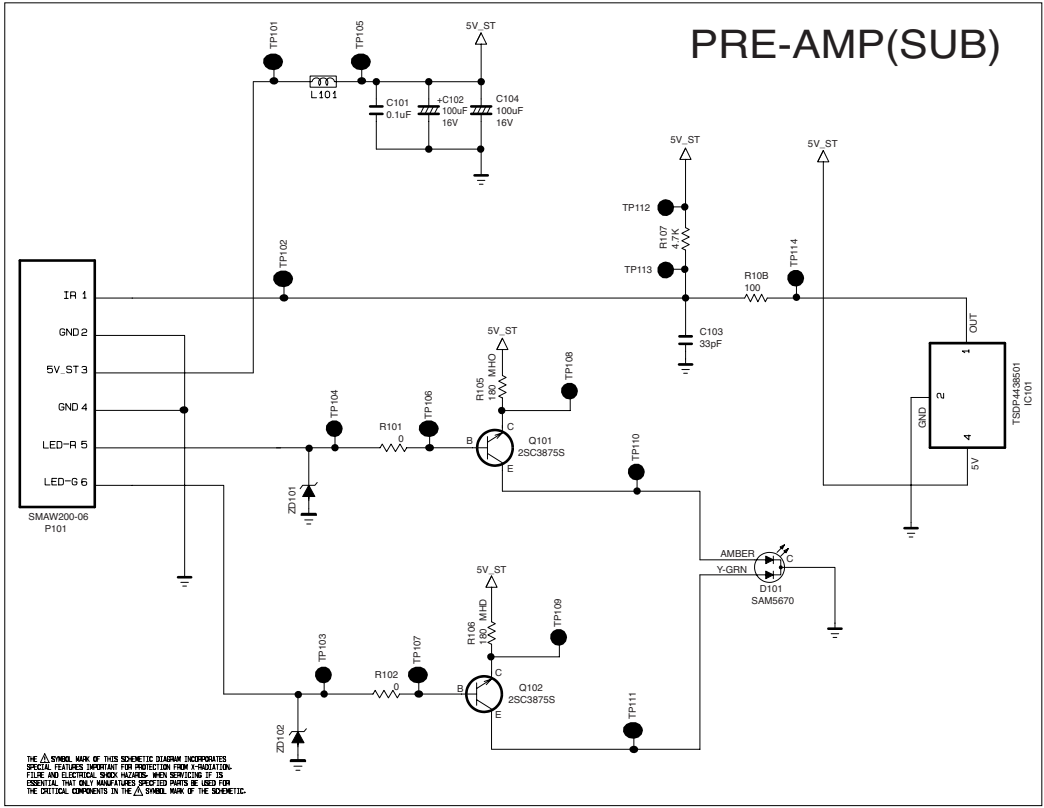


SIDE AV(SUB)



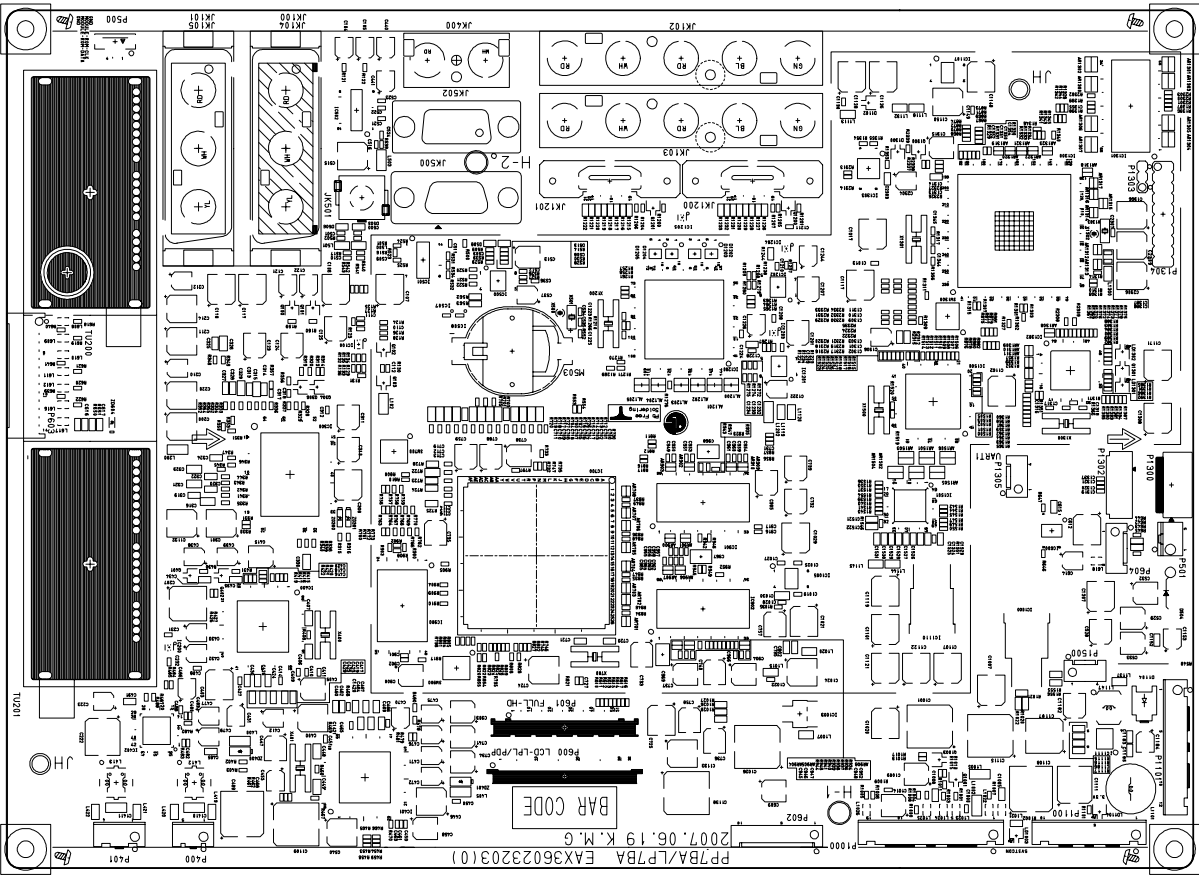
CONTROL B/D(SUB)



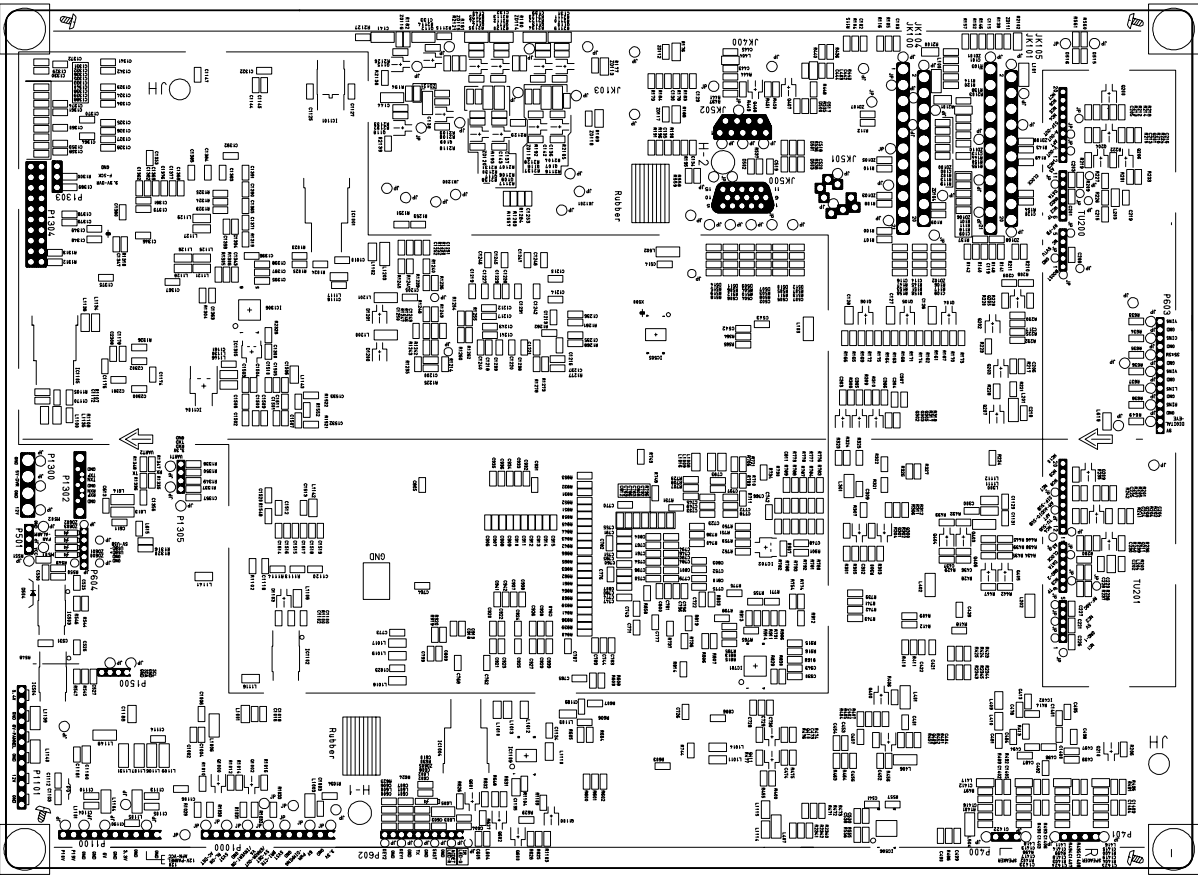


PRINTED CIRCUIT BOARD

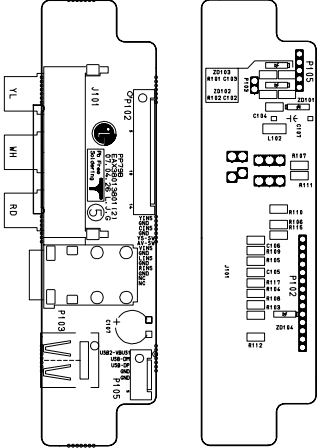
MAIN(TOP)



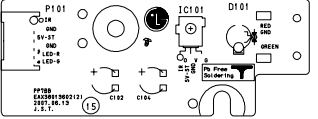
MAIN(BOTTOM)



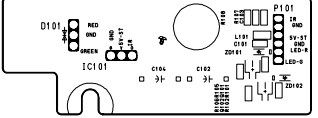
SIDE A/(TOP) SIDE A/(BOTTOM)



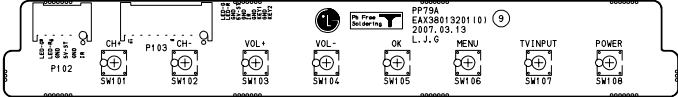
PRE-AMP(TOP)



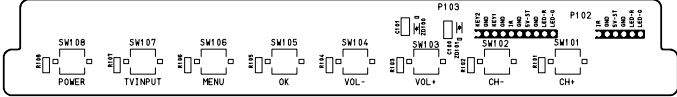
PRE-AMP(BOTTOM)



CONTROL



CONTROL





P/NO : MFL396403502

Sep., 2007
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