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LCD TV

SERVICE MANUAL

CHASSIS : AL-05PA

MODEL : 37LP1D-AA
42LP1D-AA

CAUTION

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



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SAFETY PRECAUTIONS

IMPORTANT SAFETY NOTICE

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

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

Do not modify the original design without permission of manufacturer.

General Guidance

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

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

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

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

Keep wires away from high voltage or high temperature parts.

Before returning the receiver to the customer,

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

Leakage Current Cold Check(Antenna Cold Check)

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

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

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

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

Leakage Current Hot Check (See below Figure)

Plug the AC cord directly into the AC outlet.

Do not use a line Isolation Transformer during this check.

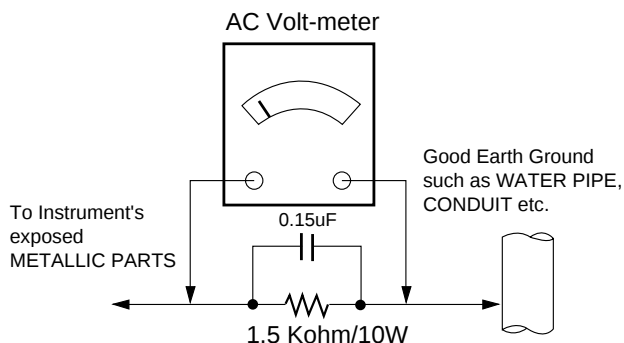
Connect 1.5K/10watt resistor in parallel with a 0.15uF capacitor between a known good earth ground (Water Pipe, Conduit, etc.) and the exposed metallic parts.

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

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

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

Leakage Current Hot Check circuit



SERVICING PRECAUTIONS

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

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

General Servicing Precautions

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

2. Test high voltage only by measuring it with an appropriate high voltage meter or other voltage measuring device (DVM, FETVOM, etc) equipped with a suitable high voltage probe. Do not test high voltage by "drawing an arc".

3. Do not spray chemicals on or near this receiver or any of its assemblies.

4. Unless specified otherwise in this service manual, clean electrical contacts only by applying the following mixture to the contacts with a pipe cleaner, cotton-tipped stick or comparable non-abrasive applicator; 10% (by volume) Acetone and 90% (by volume) isopropyl alcohol (90%-99% strength)

CAUTION: This is a flammable mixture.

Unless specified otherwise in this service manual, lubrication of contacts is not required.

5. Do not defeat any plug/socket B+ voltage interlocks with which receivers covered by this service manual might be equipped.
6. Do not apply AC power to this instrument and/or any of its electrical assemblies unless all solid-state device heat sinks are correctly installed.

7. Always connect the test receiver ground lead to the receiver chassis ground before connecting the test receiver positive lead.

Always remove the test receiver ground lead last.

8. Use with this receiver only the test fixtures specified in this service manual.

CAUTION: Do not connect the test fixture ground strap to any heat sink in this receiver.

Electrostatically Sensitive (ES) Devices

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

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

prevent potential shock reasons prior to applying power to the unit under test.

2. After removing an electrical assembly equipped with ES devices, place the assembly on a conductive surface such as aluminum foil, to prevent electrostatic charge buildup or exposure of the assembly.
3. Use only a grounded-tip soldering iron to solder or unsolder ES devices.
4. Use only an anti-static type solder removal device. Some solder removal devices not classified as "anti-static" can generate electrical charges sufficient to damage ES devices.
5. Do not use freon-propelled chemicals. These can generate electrical charges sufficient to damage ES devices.
6. Do not remove a replacement ES device from its protective package until immediately before you are ready to install it. (Most replacement ES devices are packaged with leads electrically shorted together by conductive foam, aluminum foil or comparable conductive material).
7. Immediately before removing the protective material from the leads of a replacement ES device, touch the protective material to the chassis or circuit assembly into which the device will be installed.

CAUTION: Be sure no power is applied to the chassis or circuit, and observe all other safety precautions.

8. Minimize bodily motions when handling unpackaged replacement ES devices. (Otherwise harmless motion such as the brushing together of your clothes fabric or the lifting of your foot from a carpeted floor can generate static electricity sufficient to damage an ES device.)

General Soldering Guidelines

1. Use a grounded-tip, low-wattage soldering iron and appropriate tip size and shape that will maintain tip temperature within the range or 500°F to 600°F.
2. Use an appropriate gauge of RMA resin-core solder composed of 60 parts tin/40 parts lead.
3. Keep the soldering iron tip clean and well tinned.
4. Thoroughly clean the surfaces to be soldered. Use a mall wire-bristle (0.5 inch, or 1.25cm) brush with a metal handle. Do not use freon-propelled spray-on cleaners.

5. Use the following unsoldering technique

- a. Allow the soldering iron tip to reach normal temperature. (500°F to 600°F)

- b. Heat the component lead until the solder melts.

- c. Quickly draw the melted solder with an anti-static, suction-type solder removal device or with solder braid.

CAUTION: Work quickly to avoid overheating the circuitboard printed foil.

6. Use the following soldering technique.

- a. Allow the soldering iron tip to reach a normal temperature (500°F to 600°F)

- b. First, hold the soldering iron tip and solder the strand against the component lead until the solder melts.

- c. Quickly move the soldering iron tip to the junction of the component lead and the printed circuit foil, and hold it there only until the solder flows onto and around both the component lead and the foil.

CAUTION: Work quickly to avoid overheating the circuit board printed foil.

- d. Closely inspect the solder area and remove any excess or splashed solder with a small wire-bristle brush.

IC Remove/Replacement

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

Removal

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

Replacement

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

"Small-Signal" Discrete Transistor

Removal/Replacement

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

Power Output, Transistor Device

Removal/Replacement

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

Diode Removal/Replacement

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

Fuse and Conventional Resistor

Removal/Replacement

1. Clip each fuse or resistor lead at top of the circuit board hollow stake.
2. Securely crimp the leads of replacement component around notch at stake top.

3. Solder the connections.

CAUTION: Maintain original spacing between the replaced component and adjacent components and the circuit board to prevent excessive component temperatures.

Circuit Board Foil Repair

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

At IC Connections

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

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

At Other Connections

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

1. Remove the defective copper pattern with a sharp knife. Remove at least 1/4 inch of copper, to ensure that a hazardous condition will not exist if the jumper wire opens.
2. Trace along the copper pattern from both sides of the pattern break and locate the nearest component that is directly connected to the affected copper pattern.
3. Connect insulated 20-gauge jumper wire from the lead of the nearest component on one side of the pattern break to the lead of the nearest component on the other side.

Carefully crimp and solder the connections.

CAUTION: Be sure the insulated jumper wire is dressed so the it does not touch components or sharp edges.

SPECIFICATION

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

1. Application range

- 1.1 This spec sheet is applied all of the 37"/42" LCD DTV with AL-05PA chassis.
- 1.2 Not included spec and each product spec in this spec sheet apply correspondingly to the following each country standard and requirement of Buye

3. Test method

- 3.1 Performance : LGE TV test method followed.
- 3.2 Demanded other specification.
EMC : CISPR 13 specification
SAFETY : CB Specification

2. Specification

Each part is tested as below without special appointment.

- A. Temperature : $20 \pm 5^{\circ}\text{C}$
- B. Relative Humidity : $65 \pm 10\%$
- C. Power Voltage : Standard input voltage
(110~240V@ 50/60Hz)
- * Standard Voltage of each product is marked by models
- D. Specification and performance of each parts are followed each drawing and specification by part number in accordance with BOM.
- E. The receiver must be operated for about 20 minutes prior to the adjustment.

4. General Specification

No	Item	Specification	Remark
1.	Broadcasting System	PAL-B/G, DTV : DVB-T	
2.	Available Channel	1) VHF : 00~12 2) UHF : 28~69 3) CATV : 02~44 4) DTV : 06~12, 27~69	
3	Tuner IF	1) PAL : 38.90MHz 2) DVB-T : 36.167MHz	
4.	Input Voltage	1) AC 240V, 50Hz	
5.	Aspect Ratio	16:9(Wide)	
6.	LCD Module	LC370W01-C6K1 (1366 x 768) LC420W02-B6 (1366 x 768)	LPL
7.	Operating Environment	1) Temp : 0 ~ 40 deg 2) Humidity : 10 ~ 80 %	
8.	Storage Environment	1)Temp : -20 ~ 50 deg 2) Humidity : 10 ~ 90 %	

5. Chroma & Brightness

5-1. For 37LP1D-AA

No	Item	Min	Typ	Max	Unit	Remark
1.	Brightness	300	450		cd/m ²	
2.	Contrast Ratio	500:1	600:1			
3.	Luminance Variation			1.3	%	
4.	Viewing Angle(Left, Right, Up, Down)	85	88		Degree	

5-2. For 42LP1D-AA

No	Item	Min	Typ	Max	Unit	Remark
1.	Brightness	250	400		cd/m ²	
2.	Contrast Ratio	500:1	600:1			
3.	Luminance Variation			1.3	%	
4.	Viewing Angle(Left, Right, Up, Down)	85	88		Degree	

6. Power

No	Item	Min	Typ	Max	Unit	Remark
1.	AC Power Operating Voltage	90		264	V	
2.	DC Voltage, LCD Panel Drive	11.4	12.0	12.6	V	
3.	DC Voltage, Inverter	22.8	24.0	25.2	V	
4.	DC Voltage, Sound AMP	17.4	18.0	18.6	V	
5.	DC Voltage, Stand By	5.6	6.0	6.4	V	
6.	DC Voltage, Scaler(HD2)	3.1	3.3	3.5	V	
7.	DC Voltage, Scaler(HD2)	1.6	1.8	1.9		
8.	DC Voltage, ADC	3.1	3.3	3.5	V	AD9883
9.	DC Voltage, VCD 5 V	4.7	5	5.3	V	
10.	DC Voltage, VCD 3.3V	3.1	3.3	3.5	V	
11.	DC Voltage, Micom	4.7	5	5.3	V	
12.	DC Voltage, Tuner	4.75	5.00	5.25	V	
	DC Voltage, Tuner	31.5	33.0	34.5	V	
13.	DC Voltage, Video decoder IO	3.00	3.30	3.60	V	
14.	DC Voltage, Video decoder Core	1.35	1.50	1.65	V	
15.	DC Voltage, CPLD	3.00	3.30	3.60	V	XC95288
16.	Audio Amp, PVDD	16.20	18.00	19.80	V	TAS5122
17.	Audio Amp, DVDD	3.00	3.30	3.60	V	TAS5122
18.	PWM Modulator IO	3.00	3.30	3.60	V	NSP-6241B
19.	PWM Modulator Core	2.30	2.50	2.70	V	NSP-6241B

7. Component Video Input (Y, PB, PR)

No	Resolution	H-freq(kHz)	V-freq.(kHz)	Pixel clock	Proposed
1.	720x576	15.625	50		SDTV576i
2.	720x576	31.25	50		EDTV576p
3.	640x480	15.73	59.94/60		SDTV 480i
4.	704x480	31.47	59.94/60		EDTV 480p
5.	1280x720(50/60)	37.5/45.0	50/59.94/60		HDTV 720p
6.	1920x1080(50/60)	28.125/33.75	50/59.94/60.0		HDTV 1080i

8. RGB, HDMI/DVI input (DTV / PC)

No	Resolution	H-freq(kHz)	V-freq.(kHz)	Pixel clock	Proposed
DTV					
1.	720x576	31.25	50		EDTV576p
2.	704x480	31.47	59.94		EDTV 480p
3.	1280x720(50/60)	37.5/45.0	50/59.94/60		HDTV 720p
4.	1920x1080(50/60)	28.125/33.75	50/59.94/60.0		HDTV 1080i
PC					
1.	640x350	31.468	70.09	25.17	EGA
2.	640x480	31.469	59.94	25.17	VESA(VGA)
3.	640*480	37.861	72.80	31.50	VESA(VGA)
4.	640x480	37.500	75.00	31.50	VESA(VGA)
5.	800x600	35.156	56.25	36.00	VESA(SVGA)
6.	800x600	37.879	60.31	40.00	VESA(SVGA)
7.	800x600	48.077	72.18	50.00	VESA(SVGA)
8.	800x*600	46.875	75.00	49.50	VESA(SVGA)
9.	1024x768	48.363	60.00	65.00	VESA(XGA)
10.	1024x768	56.476	70.06	75.00	VESA(XGA)
11.	1024x768	60.023	75.02	78.75	VESA(XGA)

9. General specifications(module)

9-1. For 37LP1D-AA

No	Item		Min	Typ	Max	Unit	Remark
1	Active Screen Size			940.3(diagonal)		mm	37.02 inches
2	Outline Dimension			877(H) x 516.8(V) x 55.5(D)		mm	Typ.
3	Pixel Pitch			200 x600 x RGB		μm	
4	Pixel Format			1366(H)x768(V) RGB stripe arrangement			
5	Color Depth			8bit 16.7		Mbit	
6	Luminance ,White			500		cd/m2	Center 1 point
7	Viewing Angle (CR>10)			R/L 176(Typ),U/P 176(Typ)		degree	
8	Power Consumption			125		Watt	Typ.
9	Weight			11.5		kg	
10	Display Operating Mode			Transmissive mode ,normally black			
11	Surface Treatment			Hard coating (3H), Anti-glare treatment			
12	Altitude	Operating		0 - 14,000		feet	4,267.2 m
		Storage/Shipment		0 - 40,000		feet	12,192.0 m
13	Lamp Life Time			50,000 (min.)		Hrs	25±2°C

9-1-1. Electro Optical Characteristic Specifications(module standard)

No	Item			Min	Typ	Max	Unit	Remark
1	Contrast Ratio			800	1,200			It measured at center point
2	Surface Luminance, White			400	600		Cd/m²	Full white
3	Luminance Variation					1.3		(δ white/5P)
4	Response Time	Tr (Rising time)			8	16	msec	
5	Color coordinate	RED	X	Typ -0.03	0.640	Typ +0.03		Full Pattern
			Y		0.343			
		GREEN	X		0.280			
			Y		0.605			
		BLUE	X		0.145			
			Y		0.065			
		WHITE	X		0.285			
			Y		0.293			
6	Viewing Angle (CR>10)	X axis right(∅ =0)		85	88		degree	
		X axis left(∅ =180)		85	88			
		Yaxis up (∅ =90)		85	88			
		Z axis down(∅ =270)		85	88			

9-2. For 42LP1D-UA

No	Item		Min	Typ	Max	Unit	Remark
1	Active Screen Size			1067.3(diagonal)		mm	42.02 inches
2	Outline Dimension			1006(H) x 610(V) x 56(D)		mm	Typ.
3	Pixel Pitch			227 x 681 x RGB		μm	
4	Pixel Format			1366(H)x768(V) RGB stripe arrangement			
5	Color Depth			8bit 16.7		Mbit	
6	Luminance ,White			500		cd/m2	Center 1 point
7	Viewing Angle (CR>10)			R/L 176(Typ),U/P 176(Typ)		degree	
8	Power Consumption			168.3		Watt	Typ.
9	Weight			11.8		kg	
10	Display Operating Mode			Transmissive mode ,normally black			
11	Surface Treatment			Hard coating (3H), Anti-glare treatment			
12	Altitude	Operating		0 - 14,000		feet	4,267.2 m
		Storage/Shipment		0 - 40,000		feet	12,192.0 m
13	Lamp Life Time			50,000 (min.)		Hrs	25±2°C

9-2-1. Electro Optical Characteristic Specifications(module standard)

No	Item			Min	Typ	Max	Unit	Remark
1	Contrast Ratio			700	1,000			It measured at center point
2	Surface Luminance, White			400	500		Cd/m ²	Full white
3	Luminance Variation					1.3		(δ white/5P)
4	Response Time	Tr (Rising time)			8	16	msec	
5	Color coordinate	RED	X	Typ -0.03	0.639	Typ +0.03		Full Pattern
			Y		0.342			
		GREEN	X		0.282			
			Y		0.610			
		BLUE	X		0.147			
			Y		0.073			
		WHITE	X		0.281			
			Y		0.293			
6	Viewing Angle (CR>10)	X axis right(∅ =0)		85	88		degree	
		X axis left(∅ =180)		85	88			
		Yaxis up (∅ =90)		85	88			
		Z axis down(∅ =270)		85	88			

10. Outgoing Condition

No	Item		Value	Remark
1	Power		Off	
2	CH Memory	Analog	C0,C5,C6,S11,S27,C35,C52,C68	
		Digital	C43	
3	Picture	PSM	Dynamic	
		Contrast	100	
		Brightness	55	
		Color	60	
		Sharpness	60	
		Tint	(Not available)	
		Color temperature	Medium	
		XD	ON	
4	Audio	SSM	Standard	
		AVL	Off	
		Balance	0	
		Treble	50	
		Bass	50	
		Front surround	Off	
		TV speaker	On	
		BBE	Off	
5	Time	Auto clock	On	Manual Clock Enable
		Off timer	Off	
		On timer	Off	
		Sleep timer	Off	
		Auto sleep	Off	
6	Special	Main input	Digital	
		Sub input	Analogue	
		Sub title	Off	
		Child lock	Off	
		ARC	16:9	
		Cinema	Off	
7	LOCK	Lock System	Off	
		Block Program	All programs unblocked	
		Parental Guide	All Grade unblocked	
		Aux.Block	All Source unblocked	
8	RGB Initial	DTV		
9	PIP Position	Right Lower		
10	Volume		30	
11	Favorite		No Program set	

ADJUSTMENT INSTRUCTION

1. Application Object

This document is applied to 37", 42" LCD TV which is manufactured in Monitor Factory or is produced on the basis of this data.

2. Notes

- (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 equipment.
- (2) Adjustments must be done in the correct order.
- (3) The adjustments 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 be must kept 220V, 60Hz when adjusting.
- (5) The receiver must be operational for about 15 minutes prior to the adjustments.

- After receiving 100% white pattern, the receiver must be operate prior to adjustment.(Or white condition in HEAT-RUN mode)
- Enter into HEAT-RUN MODE
 - Press the POWER ON KEY on R/C for adjustment. OSD display and screen display 100% full WHITE PATTERN.

[Set is activated HEAT-RUN without signal generator in this mode.

If you turn on a still screen more than 20 minutes (Especially Digital pattern, Cross Hatch Pattern), an afterimage may occur in the black level part of the screen.

Each PCB Assy must be checked by Check JIG Set before assembly. (Especially, be careful Power PCB Assy which can cause Damage to the LCD Module.)

3. EDID(The extended display Identification data) / DDC(Display Data Channel) Download

This is the function that enables "Plug and Play".

3-1. Required Test Equipment

- 1) PC, Jig for adjusting DDC (PC serial to D-sub. Connection equipment)
- 2) DVI to HDMI Connector

3-2. Composition of Device

3-3. EDID DATA

- Download only EDID for HDMI. (37LP1D-AA)

	00	01	02	03	04	05	06	07	08	09	0A	0B	0C	0D	0E	0F
00	00	FF	FF	FF	FF	FF	FF	00	1E	6D	00	00	01	01	01	01
10	00	0F	01	03	80	52	2F	78	0A	36	E9	A3	56	49	9B	25
20	11	48	4B	AF	EE	80	31	4F	45	4F	61	4F	01	01	01	01
30	01	01	01	01	01	01	64	19	00	40	41	00	26	30	18	88
40	36	00	BA	88	21	00	00	18	00	00	00	FD	00	38	4B	1E
50	3D	08	00	0A	20	20	20	20	20	20	00	00	00	FC	00	33
60	37	4C	50	31	44	2D	41	41	20	20	20	20	00	00	00	00
70	00	00	00	00	00	00	00	00	00	00	00	00	00	00	01	38
80	02	03	1A	72	23	15	07	50	47	85	01	04	14	13	12	00
90	83	0F	00	00	65	03	0C	00	10	00	01	1D	80	D0	72	1C
A0	16	20	10	2C	25	80	C4	8E	21	00	00	9E	01	1D	80	18
B0	71	1C	16	20	58	2C	25	00	C4	8E	21	00	00	9E	01	1D
C0	00	BC	52	D0	1E	20	B8	28	55	40	C4	8E	21	00	00	1E
D0	01	1D	00	72	51	D0	1E	20	6E	28	55	00	C4	8E	21	00
E0	00	1E	8C	0A	D0	90	20	40	31	20	0C	40	55	00	C4	8E
F0	21	00	00	18	00	00	00	00	00	00	00	00	00	00	00	EB

- Download only EDID for RGB. (37LP1D-AA)

	00	01	02	03	04	05	06	07	08	09	0A	0B	0C	0D	0E	0F
00	00	FF	FF	FF	FF	FF	FF	00	1E	6D	5D	46	01	01	01	01
10	07	0F	01	03	68	52	2F	96	0A	FB	2C	A3	57	47	9A	25
20	10	48	4B	AF	CE	00	31	4F	45	4F	61	4F	01	01	01	01
30	01	01	01	01	01	01	64	19	00	40	41	00	26	30	18	88
40	36	00	BC	88	21	00	00	18	00	00	00	FD	00	38	4B	1E
50	3D	08	00	0A	20	20	20	20	20	20	00	00	00	FC	00	33
60	37	4C	50	31	44	2D	41	41	0A	20	20	20	00	00	00	00
70	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	38

- Download only EDID for HDMI. (42LP1D-AA)

	00	01	02	03	04	05	06	07	08	09	0A	0B	0C	0D	0E	0F
00	00	FF	FF	FF	FF	FF	FF	00	1E	6D	00	00	01	01	01	01
10	00	0F	01	03	80	5D	34	78	0A	36	E9	A3	56	49	9B	25
20	11	48	4B	AF	EE	80	31	4F	45	4F	61	4F	01	01	01	01
30	01	01	01	01	01	01	64	19	00	40	41	00	26	30	18	88
40	36	00	BA	88	21	00	00	18	00	00	00	FD	00	38	4B	1E
50	3D	08	00	0A	20	20	20	20	20	20	00	00	00	FC	00	34
60	32	4C	50	31	44	2D	41	41	20	20	20	20	00	00	00	00
70	00	00	00	00	00	00	00	00	00	00	00	00	00	00	01	2C
	00	01	02	03	04	05	06	07	08	09	0A	0B	0C	0D	0E	0F
00	02	03	1A	72	23	15	07	50	47	85	01	04	14	13	12	00
10	83	0F	00	00	65	03	0C	00	10	00	01	1D	80	D0	72	1C
20	16	20	10	2C	25	80	C4	8E	21	00	00	9E	01	1D	80	18
30	71	1C	16	20	58	2C	25	00	C4	8E	21	00	00	9E	01	1D
40	00	BC	52	D0	1E	20	B8	28	55	40	C4	8E	21	00	00	1E
50	01	1D	00	72	51	D0	1E	20	6E	28	55	00	C4	8E	21	00
60	00	1E	8C	0A	D0	90	20	40	31	20	0C	40	55	00	C4	8E
70	21	00	00	18	00	00	00	00	00	00	00	00	00	00	00	EB

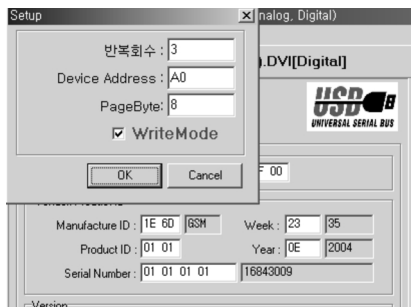
- Download only EDID for RGB. (42LP1D-AA)

	00	01	02	03	04	05	06	07	08	09	0A	0B	0C	0D	0E	0F
00	00	FF	FF	FF	FF	FF	FF	00	1E	6D	5D	46	01	01	01	01
10	07	0F	01	03	68	5D	34	96	0A	FB	2C	A3	57	47	9A	25
20	10	48	4B	AF	CE	00	31	4F	45	4F	61	4F	01	01	01	01
30	01	01	01	01	01	01	64	19	00	40	41	00	26	30	18	88
40	36	00	BC	88	21	00	00	18	00	00	00	FD	00	38	4B	1E
50	3D	08	00	0A	20	20	20	20	20	20	00	00	00	FC	00	34
60	32	4C	50	31	44	2D	41	41	0A	20	20	20	00	00	00	00
70	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	2C

3-4. EDID S/W Execution and Setting

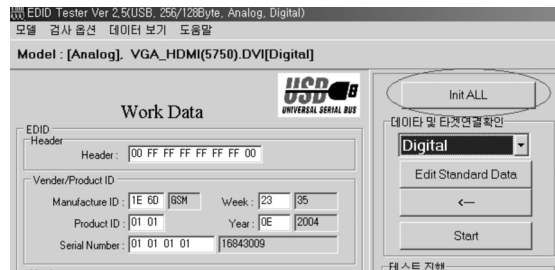
- 1) Connect the Set, EDID Download Jig, PC & Cable. And Execute the S/W : EDID TESTER Ver.2.5
- 2) Set up S/W option

Repeat Number : 3
Device Address : A0
PageByte : 8

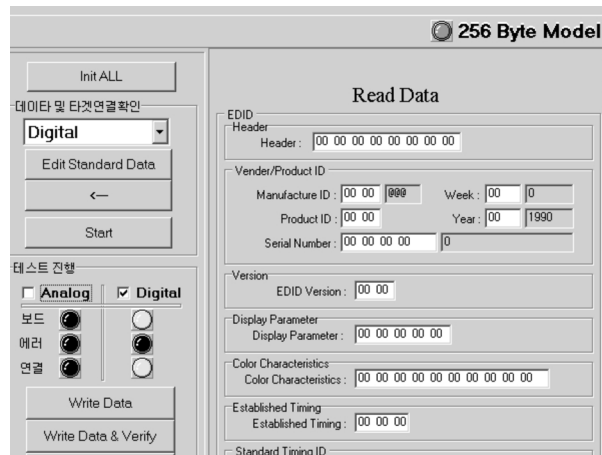


3-5. Sequence of Adjustment

- 1) Init the data



- 2) Load the EDID data.(Open File)
[Digital(HDMI) : Checksum(5750)]
- 3) Set the S/W as below.



- 4) Push the "Write Data & Verify" button. And input the data.
- 5) If the writing is finished, you will see the "OK" message.

4. AD9883A-Set Adjustment

4-1. Synopsis

AD9883A-Set adjustment to set the black level and the Gain of optimum with an automatic movement from the analog => digital converter.

4-2. Test Equipment

Service R/C, MSPG925 Series Pattern Generator (720P 60Hz Color Bar Pattern output will be possible and the output level will accurately have to be revised with 0.7±0.1Vp-p)



<Fig. 2> Adjustment Pattern : 720P 60Hz Color Bar Pattern

4-3. Adjustment

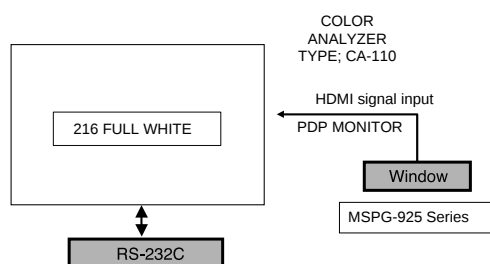
- (1) Input the color Bar Pattern of the 720P 60Hz Mode what is supportable to Component2 or RGB-DTV INPUT and the select the Input Mode as Component2.
- (2) After receiving signal for at least 1 second, press the ADJ Key on the Service R/C to enter the 'Ez - Adjust' and then select the '1. AD9883A-Set'.
Pressing the Vol + Key to adjust with automatic movement.
- (3) If Component adjustment is completed normality, 'Component Adjustment OK' is displayed and if RGB adjustment is completed normality, 'RGB Adjustment OK' is displayed. If the adjustment has errors, 'AD9883A-Failed! Try Again' is displayed.
- (4) Readjust after confirming the case Pattern or adjustment condition where the adjustment errors.
- (5) After adjustment is complete, exit the adjustment mode by pressing the ADJ KEY.

5. Adjustment of White Balance

5-1. Required Equipment

- (1) Color analyzer (CA-110 or similar product)
- (2) Automatic adjustor (with automatic adjustment hour necessity and the RS-232C communication being possible)
- (3) AV Pattern Generator

5-2. Connection Diagram of Equipment for Measuring (Automatic Adjustment)



<Fig. 3> Connection Diagram of Automatic Adjustment

RS-232C Command (Automatic Adjustment)

	RS-232C Command [CMD ID DATA]			MIN	CENTER (DEFAULT)(Hex)			MAX
	Cool	Mid	Warm		Cool	Mid	Warm	
R Gain	Jg	Ja	Jd	00	C0	C0	C0	ff
G Gain	Jh	Jb	Je	00	C0	C0	C0	ff
B Gain	Ji	Jc	Jf	00	C0	C0	C0	ff
R Offset				00	42-37" 40-42"	42-37" 40-42"	42-37" 40-42"	7f
G Offset				00	40-37" 40-42"	40-37" 40-42"	40-37" 40-42"	7f
B Offset				00	3C-37" 40-42"	3C-37" 40-42"	3C-37" 40-42"	7f

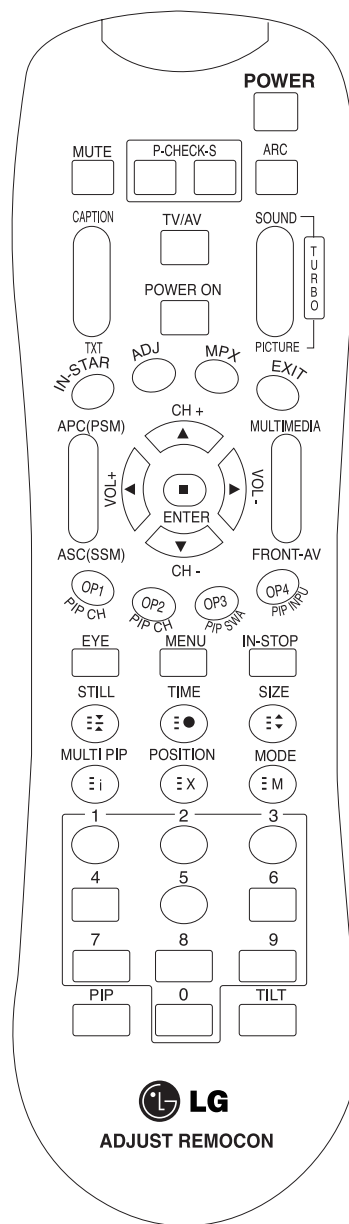
5-3. Adjustment of White Balance(manual)

- Operate the Zero-calibration of the CA-110, then attach sensor to PDP module surface when you adjust.
 - Manual adjustment is also possible by the following sequence.
- (1) Enter '3.White-Pattern' by pressing ADJ KEY on the Service Remote Control.
 - (2) Select "Test Pattern White" using Vol +/- Key and Execute HEAT RUN at least 15 minutes.
 - (3) Receive the HDMI/DVI 720p 60Hz, Full size, 216 Gray window pattern signal from AV Pattern Generator.
Input mode : HDMI/DVI
Baud rate = 115200bps
 - (4) Select the condition of screen Adjustment as 'Dynamic'.
 - (5) After attaching sensor to center of screen, select '2. White-Balance' in 'Ez - Adjust' by pressing the ADJ KEY on the Service R/C. Then enter adjustment mode by pressing the Right KEY (▶) .
 - a. In case color temperature is Cool.
B Gain = 192(lock)
R-Offset:G-Offset:B-Offset(42"/37") - 64:64:64/66:64:60
Adjust the High Light by using R Gain/ G Gain.
 - b. In case color temperature is Medium
B Gain = 192(lock)-37" / R Gain = 192(lock)-42"
R-Offset:G-Offset:B-Offset(42"/37") - 64:64:64/66:64:60
Adjust the High Light by using G Gain/ R Gain-37"
Adjust the High Light by using G Gain/ B Gain-42".
 - c. In case color temperature is Warm
R Gain = 192 (lock)
R-Offset:G-Offset:B-Offset(42"/37") - 64:64:64/66:64:60
Adjust the High Light by using G Gain/ B Gain.
 - (7) Adjust using Volume +/- KEY.
luminosity value : High Level : 216gray
 - a. Cool : X=0.274±0.002, Y=0.274±0.002
Color temperature : 12000°K±1000°K, dUV=-3dUV
 - b. Medium : X=0.287±0.002, Y=0.289±0.002
Color temperature : 9300°K±1000°K, dUV=-3dUV
 - c. Warm : X=0.315±0.002, Y=0.316±0.002
Color temperature : 6500°K±1000°K, dUV=-3dUV

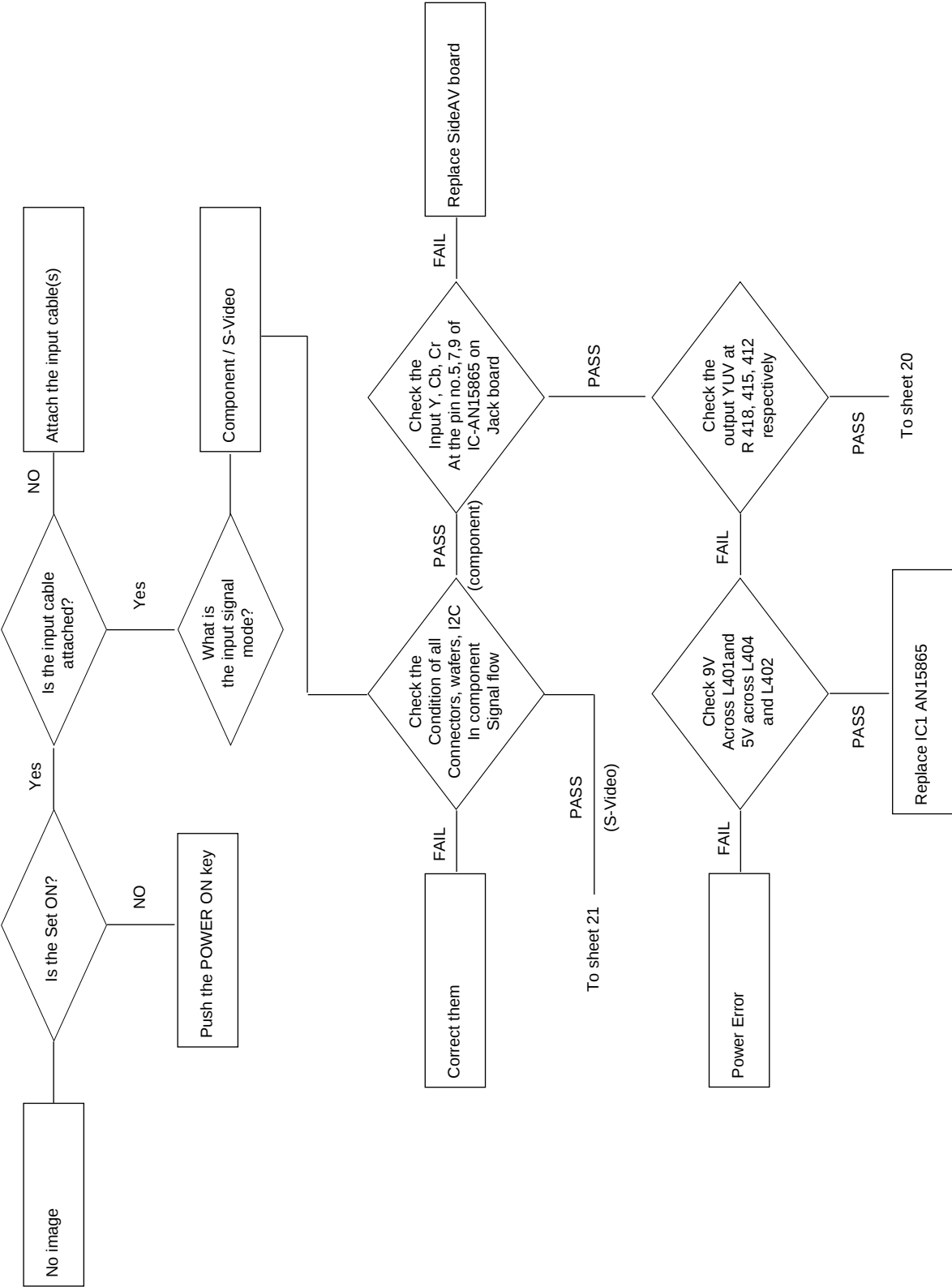
- (8) After adjustment is complete, move to Ez - Adjust screen by pressing the ENTER(■) KEY. Then exit the adjustment mode by press ADJ KEY.

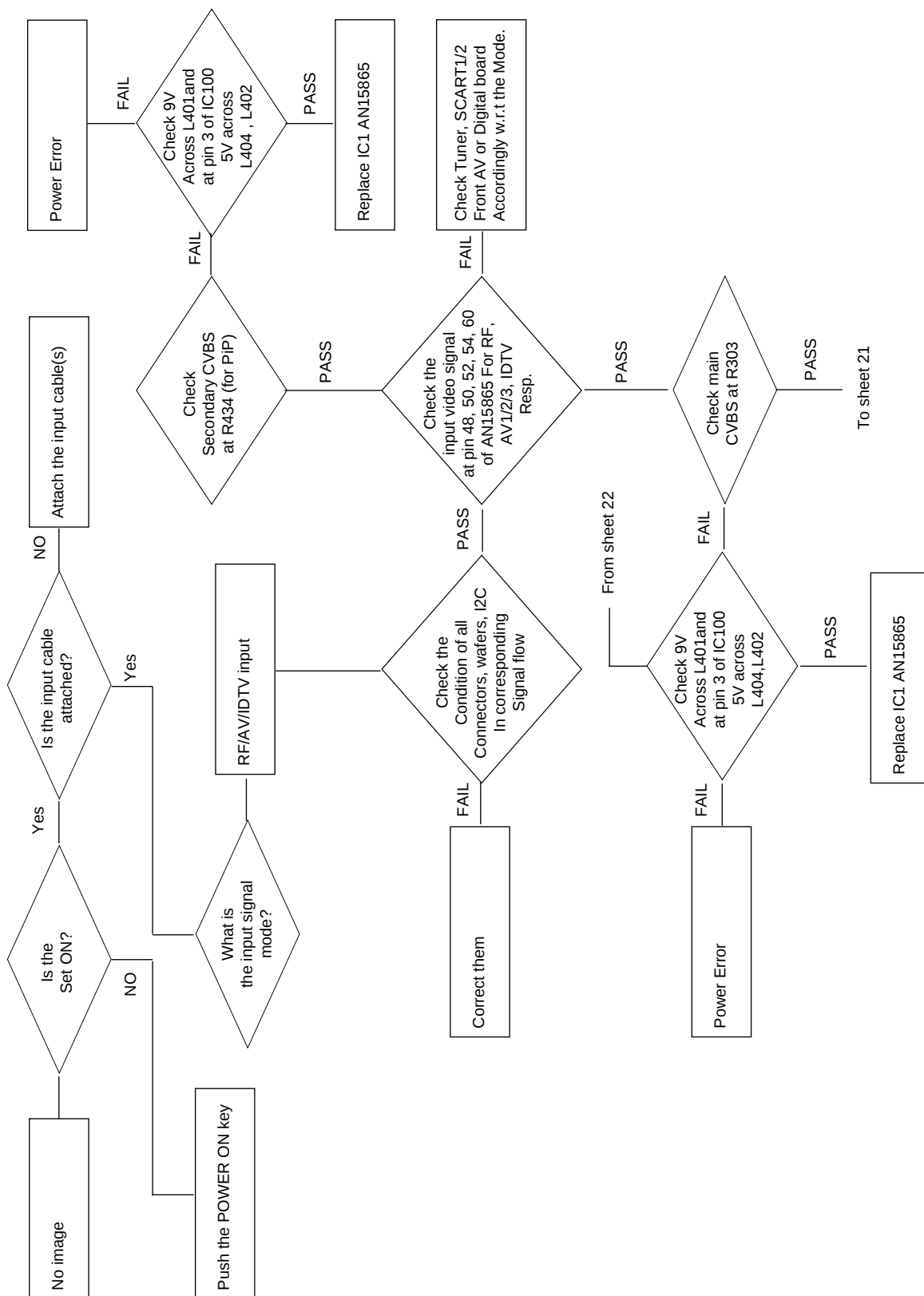
SVC REMOCON

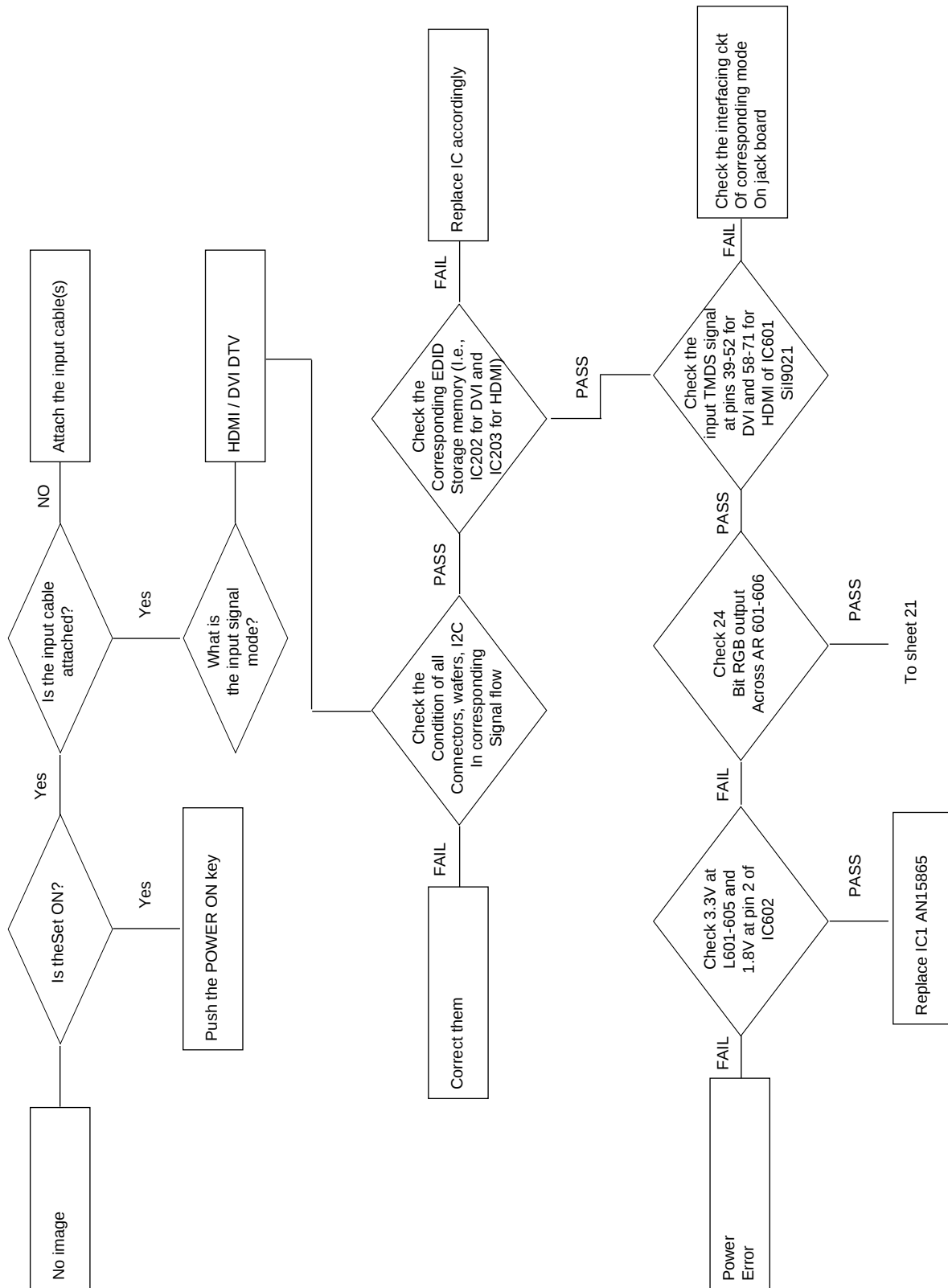
NO	KEY	FUNTION	REAMARK
1	POWER	To turn the TV on or off	
2	POWER ON	To turn the TV on automatically if the power is supplied to the TV. (Use the POWER key to deactivate): It should be deactivated when delivered.	
3	MUTE	To activate the mute function.	
4	P-CHECK	To check TV screen image easily.	Shortcut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

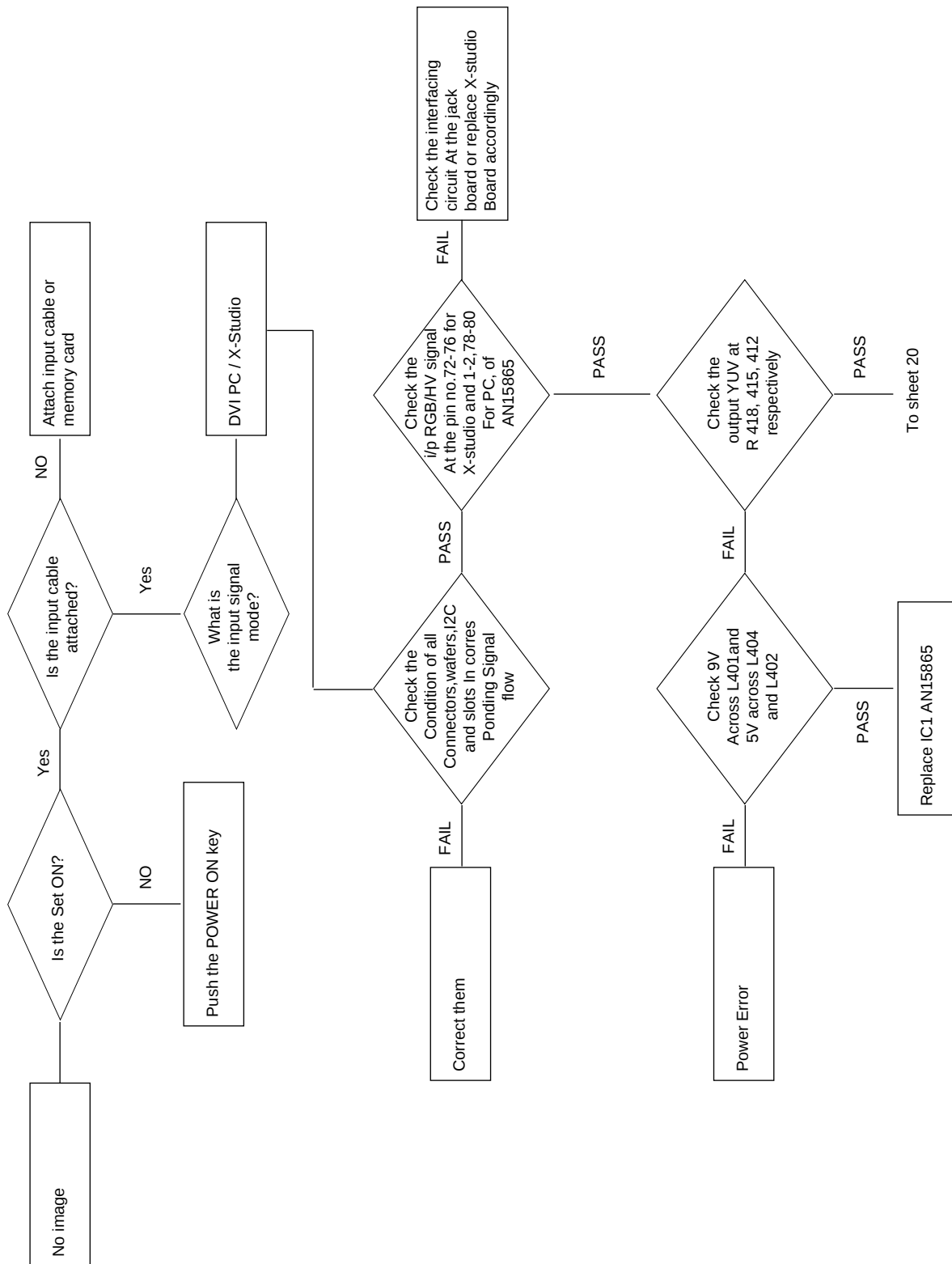


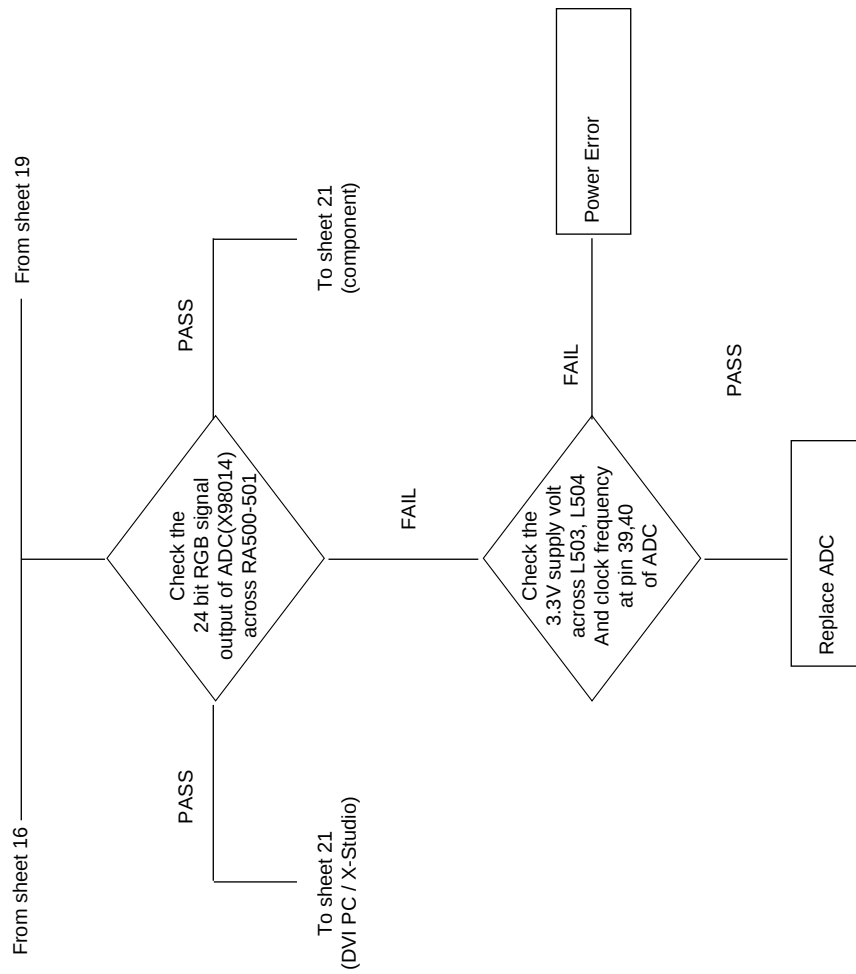
TROUBLESHOOTING

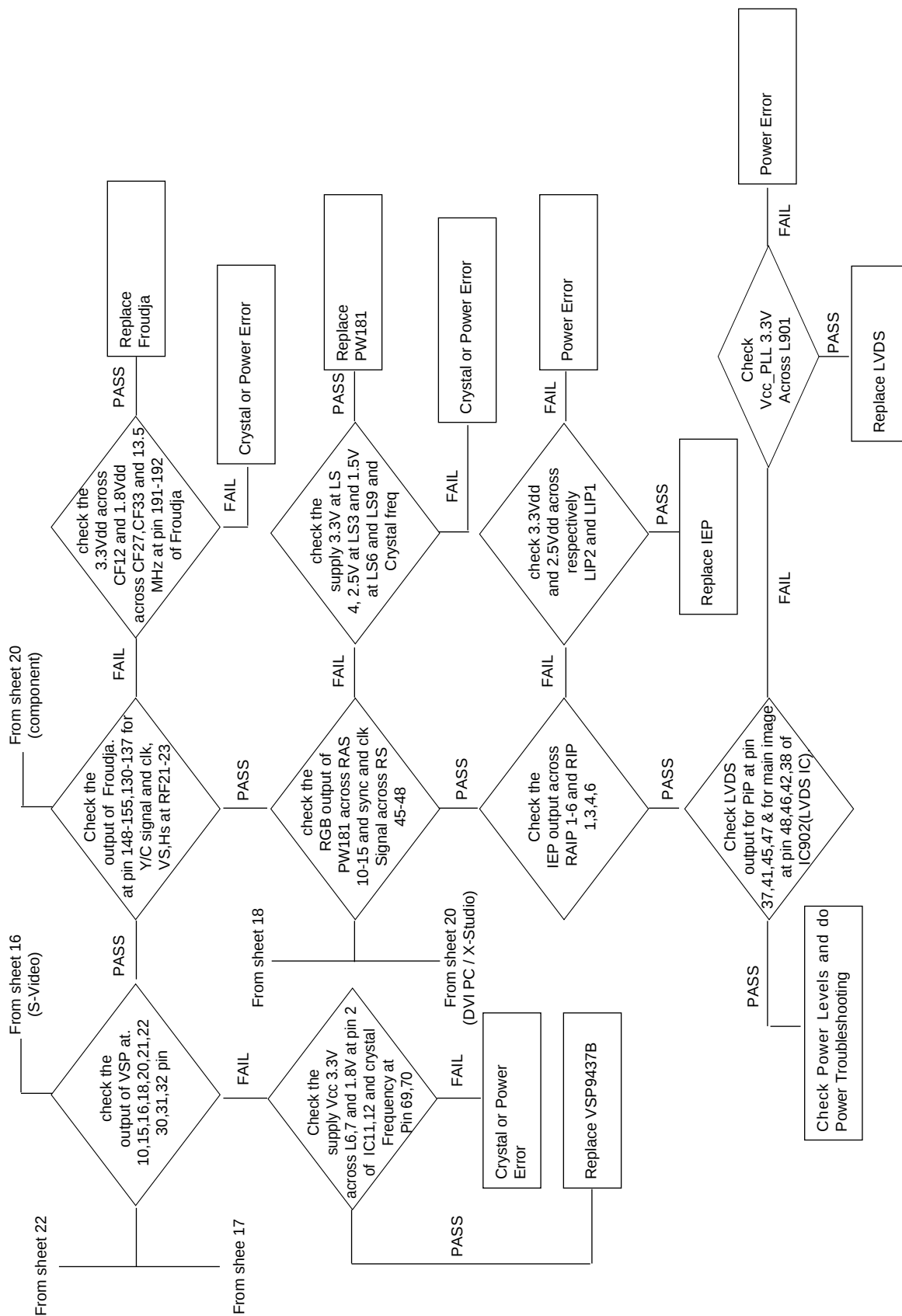


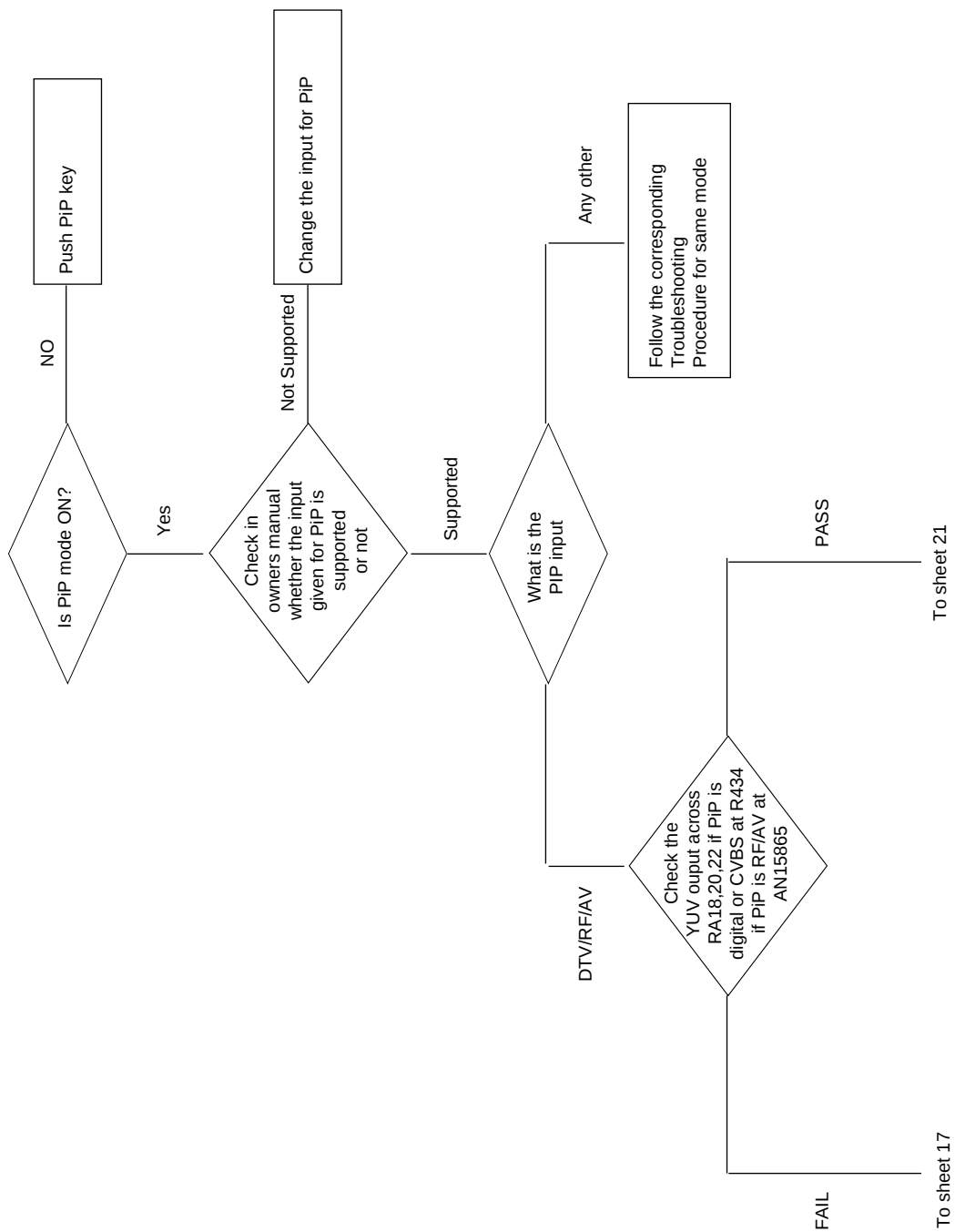




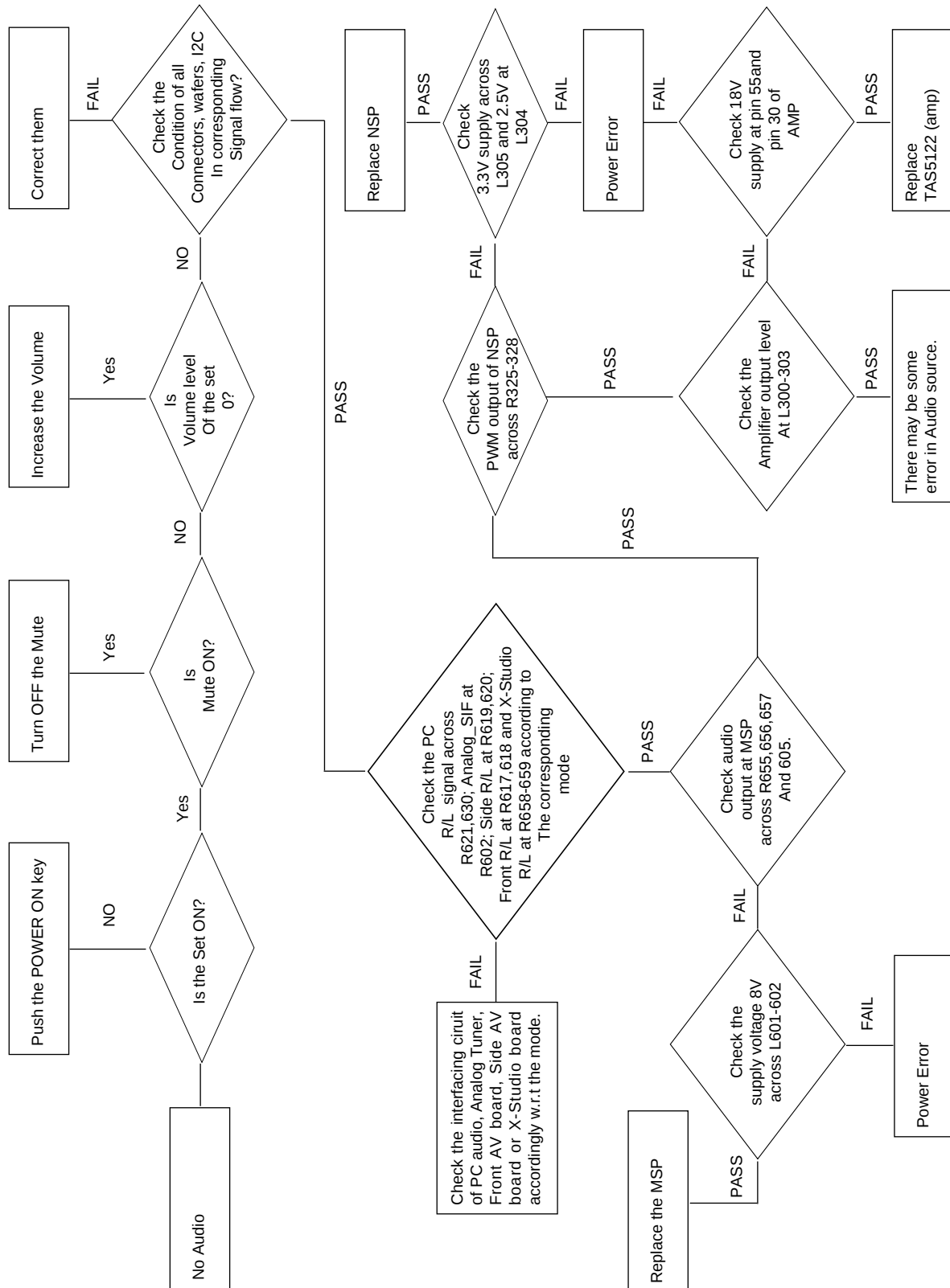




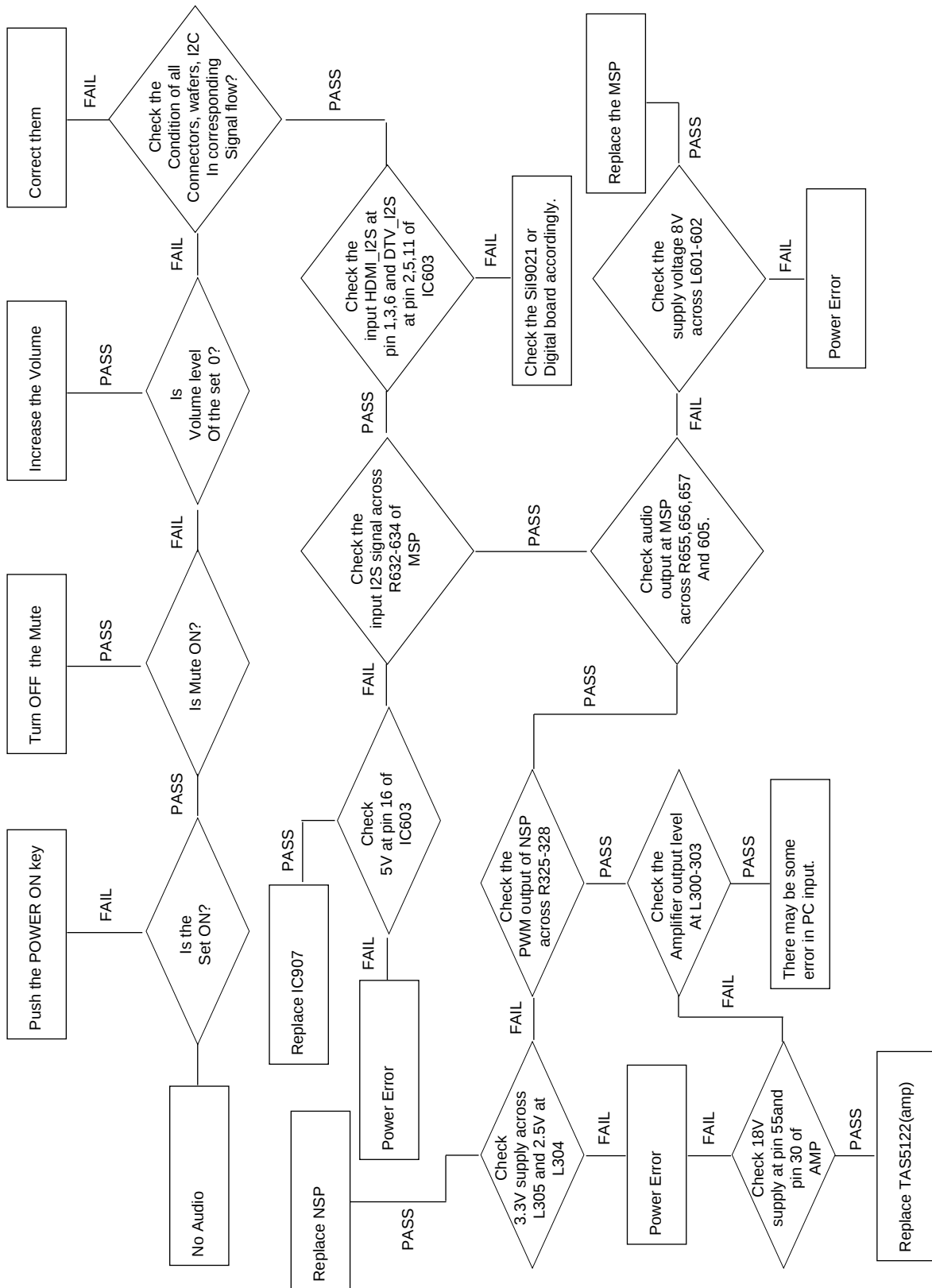




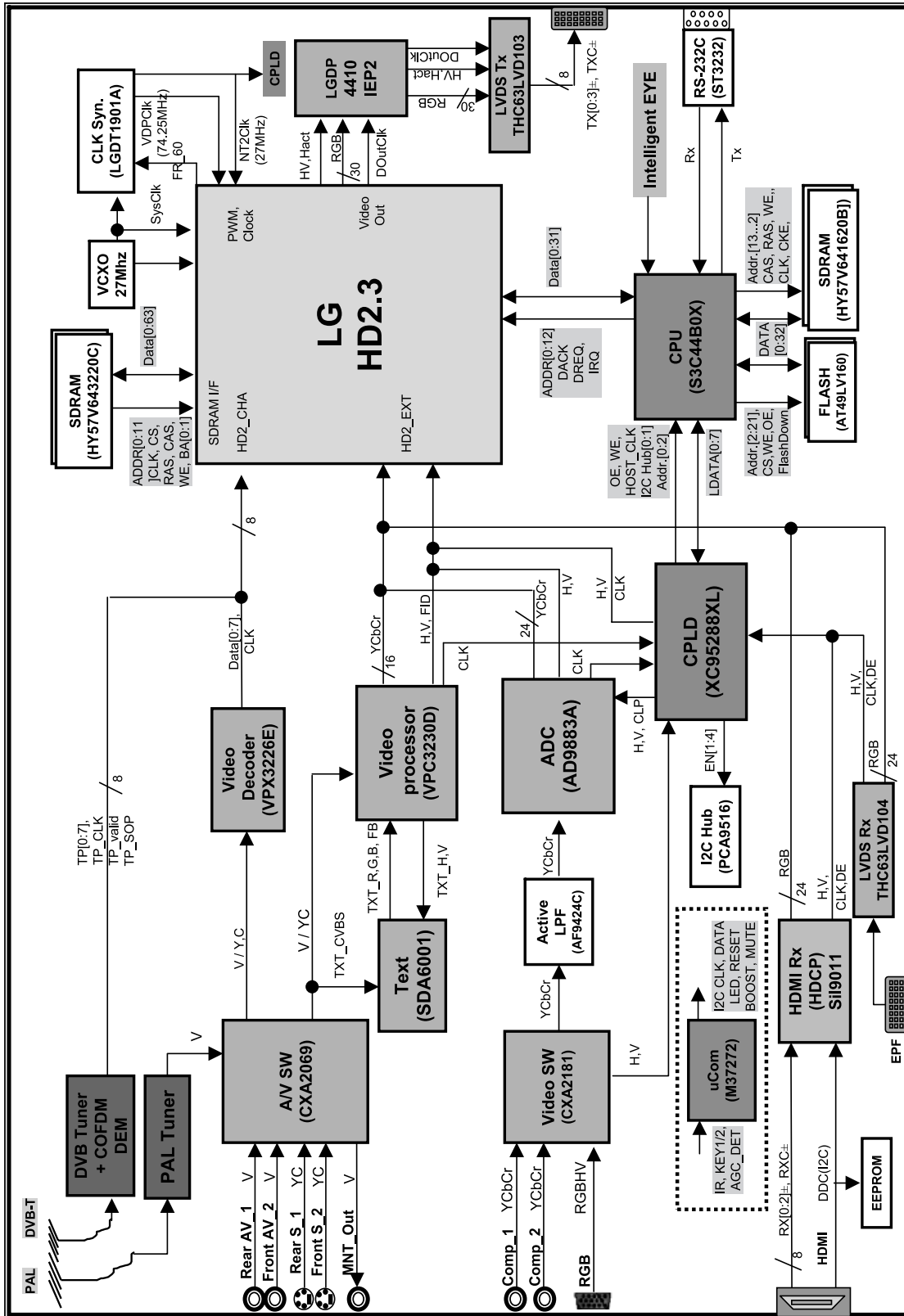
1. RF/AV/Component/ X-Studio/PC-Audio



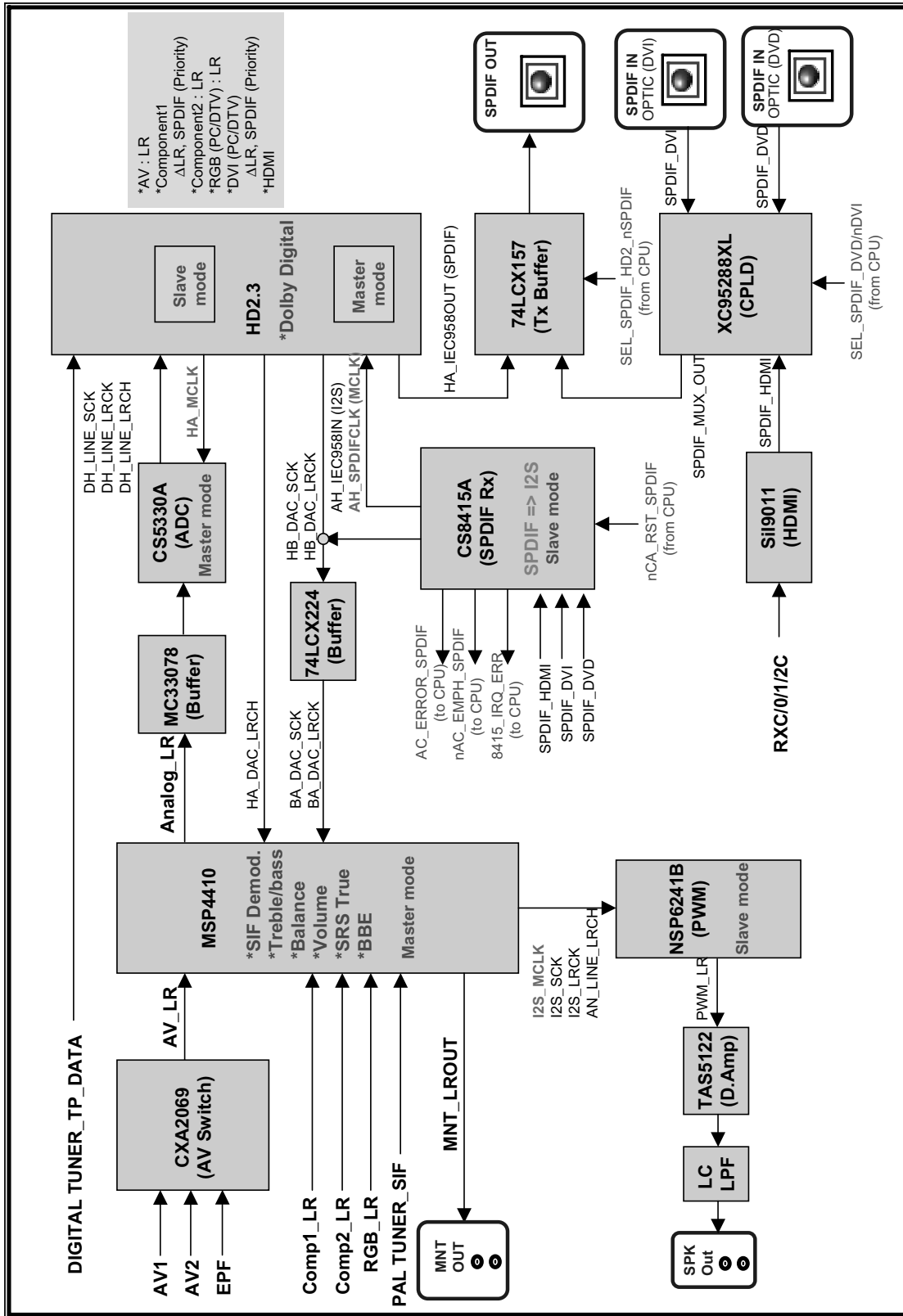
2. IDTV/HDMI-Audio



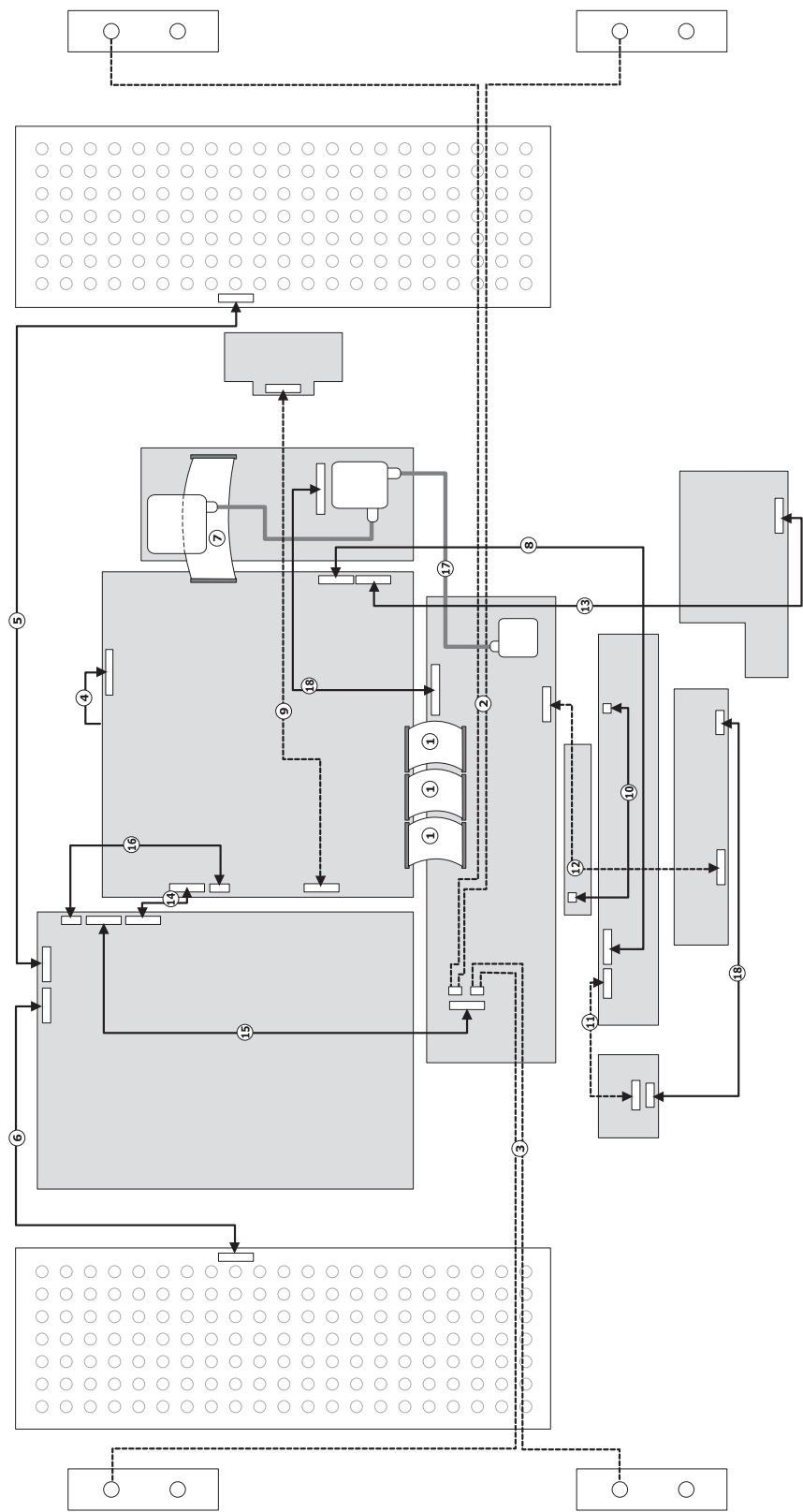
BLOCK DIAGRAM(Video)



BLOCK DIAGRAM(Audio)

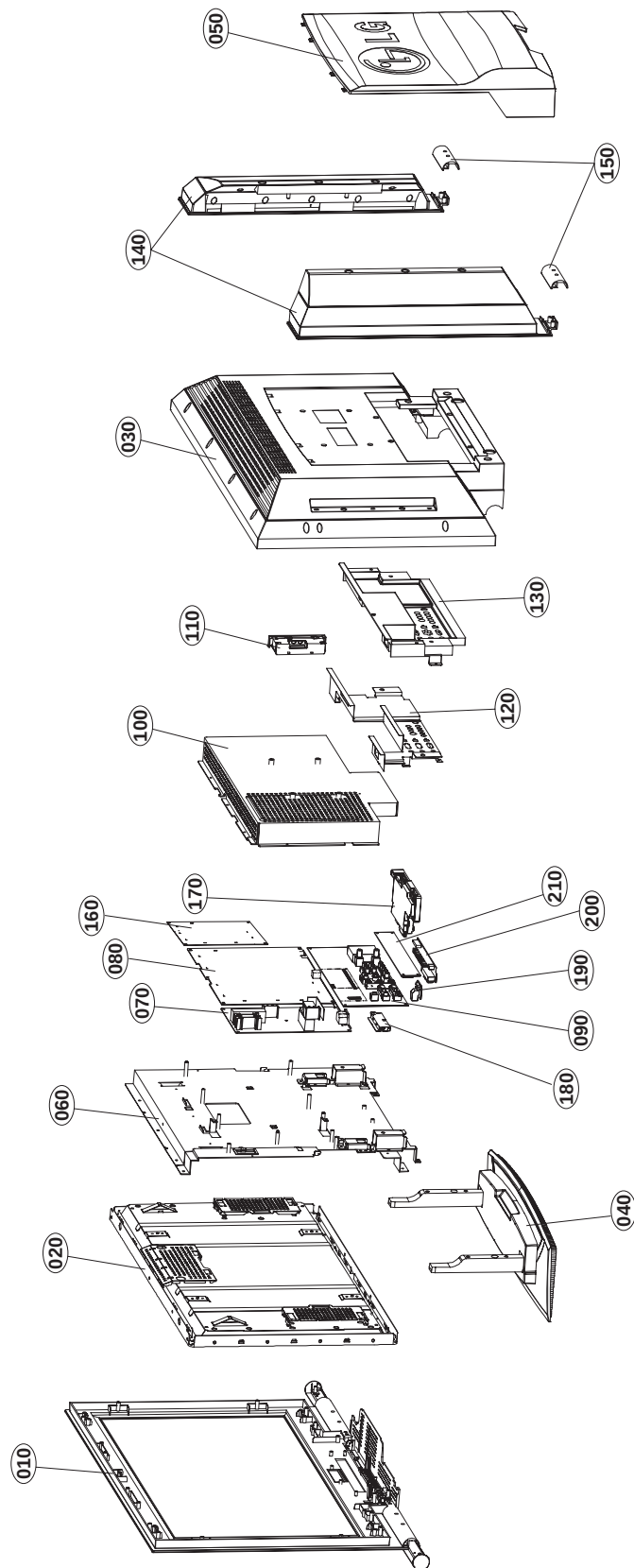


WIRING DIAGRAM



NO.	PART NO.	NO.	PART NO.	NO.	PART NO.	NO.	PART NO.	NO.	PART NO.
1	6631T11022A-31P	4	6631T11023F-30P- 37"	7	6631T11022A-31P- 37"	9	6631T20037V-10P- 42"	14	6631T25023R-13P
2	6631900001C-3P- 37"		6631T11020Z-30P- 42"		6631T11022D-31P- 42"	10	6631T12006Q-3P	15	6631T25025C-15P
	6631900001E-3P- 42"	5	6631T20037D-12P	8	6631T11028Q-12P- 37"	11	6631T20028H-10P	16	6631T25023V-5P
3	6631900001D-4P- 37"	6	6631T20041C-12P- 37"		6631T20036D-12P- 42"	12	6631T20033Q-12P	17	6631T20034H-7P
	6631900001F-4P- 42"		6631T20032B-12P- 42"	9	6631T20037J-10P- 37"	13	6631T12007G-30P	18	6631T25020L-13P

EXPLODED VIEW



EXPLODED VIEW PARTS LIST(37LP1D-AA)

No.	PART NO.	DESCRIPTION
010	3091TKE028P	CABINET ASSEMBLY, 37LP1D-AA BRAND, CABINET ASSY(SET)
020	6304FLP291A	LCD(LIQUID CRYSTAL DISPLAY), LC370W01-C6K1 LG PHILPS TFT COLOR ODC
030	3809TKE026A	BACK COVER ASSEMBLY, 37LP10 . BACK COVER ASSY
040	3043TKK224A	TILT SWIVEL ASSEMBLY, 37LP1D-I . STAND ASSY(SET)
050	3550TKK768A	COVER, 37LP10 REAR .
060	4951TKS213B	METAL ASSEMBLY, FRAME MAIN FRAME ASSY, 37LP1D-UA, 37LP1D-NA
070	6871TPT315A	PWB(PCB) ASSEMBLY,POWER, 37-42 DCR POWER TOTAL BRAND KNPOWERTEK
080	33139D3004A	MAIN TOTAL ASSEMBLY, 37LP1D-AA DIGITAL BRAND AL-05PA- PB FREE
	33139D3017A	MAIN TOTAL ASSEMBLY, 37LP1D-AA DIGITAL BRAND AL-05PA- PB FREE SOLDERING
090	33139D3003A	MAIN TOTAL ASSEMBLY, 37LP1D-AA BRAND AL-05PA - PB FREE
	33139D3016A	MAIN TOTAL ASSEMBLY, 37LP1D-AA BRAND AL-05PA- PB FREE SOLDERING
100	4951TKS240C	METAL ASSEMBLY, REAR 37LP1D-AA , SET
110	68719ST021A	PWB(PCB) ASSEMBLY,SUB, SUB T.T NON 37LP1D-AA ALAULVX SIDE COMP SUB TOTAL
120	4951TKK276B	METAL ASSEMBLY, SHIELD AV ASSY, 37LP1D-UA
130	3551TKK586G	COVER ASSEMBLY, 37LP1D-AA REAR . BRACKET AV ASSY
140	3551TKS063G	COVER ASSEMBLY, 37LP1D-AA SPEAKER . BLACK
150	4950TKA131A	METAL, SUPPORT METAL AL DECO SPK REAR LEFT, 37LP10
	4950TKA132A	METAL, SUPPORT METAL AL DECO SPK REAR RIGHT, 37LP10
160	68719ST023A	PWB(PCB) ASSEMBLY,SUB, SUB T.T NON 37LP1D-AA ALAULVX TUNER SUB TOTAL
170	68719ST816A	PWB(PCB) ASSEMBLY,SUB, SUB T.T AL04DA 37LP1D-AA ALAULL EPF SUB
180	6871TSTL02A	PWB(PCB) ASSEMBLY,SUB, 37LP1D-N LOGO LED & P/SW TOTAL BRAND .
190	68719ST037A	PWB(PCB) ASSEMBLY,SUB, SUB T.T AL03HA 32LP1D-NA IR BOARD ALKRLL .
200	68719ST022A	PWB(PCB) ASSEMBLY,SUB, SUB T.T NON 37LP1D-AA ALAULVX VFD SUB TOTAL- PB FREE
	68719ST832A	PWB(PCB) ASSEMBLY,SUB, SUB T.T AL04DA 37LP1D-AA ALAULV INDEX TOTAL- PB FREE SOLDERING
210	68719ST019A	PWB(PCB) ASSEMBLY,SUB, SUB T.T NON 37LP1D-AA ALAULL KEY FRONT SUB TOTAL- PB FREE
	68719ST829A	PWB(PCB) ASSEMBLY,SUB, SUB T.T AL04DA 37LP1D-AA ALAULV KEY FRONT TOTAL- PB FREE SOLDERING

EXPLODED VIEW PARTS LIST(42LP1D-AA)

No.	PART NO.	DESCRIPTION
010	3091TKE031M	CABINET ASSEMBLY, 42LP10 BRAND 3090TKE023A (AA)
020	6304FLP208A	LCD(LIQUID CRYSTAL DISPLAY), LC420W02-B6 LG PHILPS TFT COLOR MINI LVDS, P6
	or 6304FLP295A	LCD(LIQUID CRYSTAL DISPLAY), LC420W02-B6K1 LG PHILPS TFT COLOR B6 STATUS PIN
030	3809TKE028B	BACK COVER ASSEMBLY, 42LP10 3808TKE023 (NO SERVICE LABEL)
040	3043TKK238A	TILT SWIVEL ASSEMBLY, 42LP1D . STAND(EA, NA, TORNADO)
050	3550TKK812A	COVER, 42LP10 REAR (DECO)
060	4951TKS210H	METAL ASSEMBLY, FRAME (42LP10,AA)
070	6871TPT315A	PWB(PCB) ASSEMBLY,POWER, 37-42 DCR POWER TOTAL BRAND KNPOWERTEK
080	33139D4002A	MAIN TOTAL ASSEMBLY, 42LP1D-AA DIGITAL BRAND AL-05PA- PB FREE
	33139D4008A	MAIN TOTAL ASSEMBLY, 42LP1D-AA DIGITAL BRAND AL-05PA- PB FREE SOLDERING
090	33139D4001A	MAIN TOTAL ASSEMBLY, 42LP1D-AA BRAND AL-05PA- PB FREE
	33139D4007A	MAIN TOTAL ASSEMBLY, 42LP1D-AA BRAND AL-05PA- PB FREE SOLDERING
100	48159K0005A	SHIELD ASSEMBLY, REAR MAIN 42LP1D-AA
110	68719ST029A	PWB(PCB) ASSEMBLY,SUB, SUB T.T NON 42LP1D-AA ALAULVX SIDE COMP SUB TOTAL
120	4951TKK276K	METAL ASSEMBLY, SHIELD AV ASSY, 42LP1D-UA
130	3551TKK597G	COVER ASSEMBLY, 42LP1D REAR . A/V COVER(AA)
140	3551TKS061G	COVER ASSEMBLY, 42LP1D SPEAKER . LEFT(AA,BLACK,XD ENGINE,IF)
	3551TKS062G	COVER ASSEMBLY, 42LP1D SPEAKER . RIGHT(AA,BLACK,XD ENGINE,IF)
150	4950TKA189A	METAL, FIX AL DECO REAR PIECE
160	68719ST031A	PWB(PCB) ASSEMBLY,SUB, SUB T.T NON 42LP1D-AA ALAULVX TUNER SUB TOTAL
170	68719ST817A	PWB(PCB) ASSEMBLY,SUB, SUB T.T AL04DA 42LP1D-AA ALAULVX 42LP1D-AA EPF MAIN TOTAL
180	6871TSTL01A	PWB(PCB) ASSEMBLY,SUB, 42LP1D-N LOGO LED & P/SW TOTAL BRAND .
190	68719ST037A	PWB(PCB) ASSEMBLY,SUB, SUB T.T AL03HA 32LP1D-NA IR BOARD ALKRLL .
200	68719ST030A	PWB(PCB) ASSEMBLY,SUB, SUB T.T NON 42LP1D-AA ALAULVX VFD SUB TOTAL- PB FREE
	68719ST840A	PWB(PCB) ASSEMBLY,SUB, SUB T.T AL04DA 42LP1D-AA ALAULV INDEX TOTAL- PB FREE SOLDERING
210	68719ST027A	PWB(PCB) ASSEMBLY,SUB, SUB T.T NON 42LP1D-AA ALAULVX KEY FRONT SUB TOTAL- PB FREE
	68719ST829A	PWB(PCB) ASSEMBLY,SUB, SUB T.T AL04DA 37LP1D-AA ALAULV KEY FRONT TOTAL- PB FREE SOLDERING

REPLACEMENT PARTS LIST

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

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

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

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*S	*AL	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
MAIN BOARD(Analog)				
CAPACITOR				
		C110	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C112	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C113	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C114	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C206	0CH2103K666	0.01UF 50V 20% X7R 2012 R/T
		C208	0CH2103K666	0.01UF 50V 20% X7R 2012 R/T
		C219	0CH5102K416	1000PF 50V 5% NP0 2012 R/TP
		C220	0CH2103K666	0.01UF 50V 20% X7R 2012 R/T
		C221	0CH5102K416	1000PF 50V 5% NP0 2012 R/TP
		C222	0CH2103K666	0.01UF 50V 20% X7R 2012 R/T
		C224	0CH5181K416	180PF 50V 5% NP0 2012 R/TP
		C304	0CH2103K666	0.01UF 50V 20% X7R 2012 R/T
		C310	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C311	0CH2103K666	0.01UF 50V 20% X7R 2012 R/T
		C318	0CK225DFK4A	"2.2UF 2012 16V 20%,-20% F(Y"
		C319	0CK225DFK4A	"2.2UF 2012 16V 20%,-20% F(Y"
		C325	0CK225DFK4A	"2.2UF 2012 16V 20%,-20% F(Y"
		C327	0CK225DFK4A	"2.2UF 2012 16V 20%,-20% F(Y"
		C410	0CH5680K416	68PF 50V 5% NP0 2012 R/TP
		C411	0CH5330K416	33PF 50V 5% NP0 2012 R/TP
		C412	0CH5330K416	33PF 50V 5% NP0 2012 R/TP
		C420	0CH2103K666	0.01UF 50V 20% X7R 2012 R/T
		C421	0CH2103K666	0.01UF 50V 20% X7R 2012 R/T
		C422	0CH2103K666	0.01UF 50V 20% X7R 2012 R/T
		C423	0CH2103K666	0.01UF 50V 20% X7R 2012 R/T
		C424	0CH2103K666	0.01UF 50V 20% X7R 2012 R/T
		C427	0CH2103K666	0.01UF 50V 20% X7R 2012 R/T
		C434	0CH2103K666	0.01UF 50V 20% X7R 2012 R/T
		C439	0CH2103K666	0.01UF 50V 20% X7R 2012 R/T
		C440	0CH2103K666	0.01UF 50V 20% X7R 2012 R/T
		C441	0CH2103K666	0.01UF 50V 20% X7R 2012 R/T
		C442	0CH2103K666	0.01UF 50V 20% X7R 2012 R/T
		C444	0CH2103K666	0.01UF 50V 20% X7R 2012 R/T
		C501	0CH2103K666	0.01UF 50V 20% X7R 2012 R/T
		C503	0CH2822K516	8200PF 50V 10% B(Y5P) 2012
		C506	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C508	0CH2103K666	0.01UF 50V 20% X7R 2012 R/T
		C512	0CH5020K116	2PF 2012 50V 0.5 PF NP0 R/T
		C513	0CH5020K116	2PF 2012 50V 0.5 PF NP0 R/T
		C515	0CH5560K416	56PF 50V 5% NP0 2012 R/TP
		C516	0CH5560K416	56PF 50V 5% NP0 2012 R/TP
		C522	0CH2103K666	0.01UF 50V 20% X7R 2012 R/T
		C524	0CH5102K416	1000PF 50V 5% NP0 2012 R/TP
		C527	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C530	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C537	0CH2103K666	0.01UF 50V 20% X7R 2012 R/T
		C541	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C559	0CK225DFK4A	"2.2UF 2012 16V 20%,-20% F(Y"
		C570	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C571	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C572	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C573	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C574	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C575	0CH2103K666	0.01UF 50V 20% X7R 2012 R/T
		C578	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C586	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C587	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C588	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP

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*S	*AL	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
		C589	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C590	0CH2103K666	0.01UF 50V 20% X7R 2012 R/T
		C591	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C592	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C593	0CH2103K666	0.01UF 50V 20% X7R 2012 R/T
		C601	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C603	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C605	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C606	0CH2103K666	0.01UF 50V 20% X7R 2012 R/T
		C608	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C609	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C610	0CH2103K666	0.01UF 50V 20% X7R 2012 R/T
		C611	0CH2103K666	0.01UF 50V 20% X7R 2012 R/T
		C614	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C615	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C618	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C619	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C622	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C623	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C625	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C627	0CH2103K666	0.01UF 50V 20% X7R 2012 R/T
		C628	0CH2103K666	0.01UF 50V 20% X7R 2012 R/T
		C631	0CH2103K666	0.01UF 50V 20% X7R 2012 R/T
		C637	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C638	0CH2103K666	0.01UF 50V 20% X7R 2012 R/T
		C642	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C643	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C645	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C653	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C656	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C662	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C664	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C667	0CH2103K666	0.01UF 50V 20% X7R 2012 R/T
		C668	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C680	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C301	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C305	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C306	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C312	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C313	0CK474CH94A	"0.47UF 1608 25V 80%,-20% R/"
		C314	0CK474CH94A	"0.47UF 1608 25V 80%,-20% R/"
		C316	0CK474CH94A	"0.47UF 1608 25V 80%,-20% R/"
		C320	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C321	0CK474CH94A	"0.47UF 1608 25V 80%,-20% R/"
		C322	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C324	0CK474CH94A	"0.47UF 1608 25V 80%,-20% R/"
		C428	0CK103CK51A	0.01UF 1608 50V 10% R/TP B(
		C430	0CK103CK51A	0.01UF 1608 50V 10% R/TP B(
		C435	0CK103CK51A	0.01UF 1608 50V 10% R/TP B(
		C437	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C514	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C517	0CK474CH94A	"0.47UF 1608 25V 80%,-20% R/"
		C518	0CK474CH94A	"0.47UF 1608 25V 80%,-20% R/"
		C519	0CK474CH94A	"0.47UF 1608 25V 80%,-20% R/"

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*S	*AL	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
		C521	0CK474CH94A	"0.47UF 1608 25V 80%,-20% R/"
		C525	0CK102CK56A	1000PF 1608 50V 0.1 R/TP X7
		C528	0CK474CH94A	"0.47UF 1608 25V 80%,-20% R/"
		C529	0CK222CK51A	2200PF 1608 50V 10% R/TP B(
		C532	0CK474CH94A	"0.47UF 1608 25V 80%,-20% R/"
		C534	0CK222CK51A	2200PF 1608 50V 10% R/TP B(
		C535	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C536	0CK222CK51A	2200PF 1608 50V 10% R/TP B(
		C539	0CK222CK51A	2200PF 1608 50V 10% R/TP B(
		C540	0CK103CK51A	0.01UF 1608 50V 10% R/TP B(
		C542	0CK222CK51A	2200PF 1608 50V 10% R/TP B(
		C546	0CK222CK51A	2200PF 1608 50V 10% R/TP B(
		C547	0CK474CH94A	"0.47UF 1608 25V 80%,-20% R/"
		C548	0CK222CK51A	2200PF 1608 50V 10% R/TP B(
		C549	0CK474CH94A	"0.47UF 1608 25V 80%,-20% R/"
		C550	0CK222CK51A	2200PF 1608 50V 10% R/TP B(
		C553	0CK103CK51A	0.01UF 1608 50V 10% R/TP B(
		C556	0CK105DK94A	"1UF 2012 50V 80%,-20% R/TP"
		C557	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C560	0CK105DK94A	"1UF 2012 50V 80%,-20% R/TP"
		C561	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C564	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C569	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C579	0CK333CK56A	33000PF 1608 50V 10% R/TP X
		C580	0CK333CK56A	33000PF 1608 50V 10% R/TP X
		C581	0CK333CK56A	33000PF 1608 50V 10% R/TP X
		C582	0CK333CK56A	33000PF 1608 50V 10% R/TP X
		C594	0CK103CK51A	0.01UF 1608 50V 10% R/TP B(
		C595	0CK103CK51A	0.01UF 1608 50V 10% R/TP B(
		C596	0CK103CK51A	0.01UF 1608 50V 10% R/TP B(
		C626	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C632	0CK103CK51A	0.01UF 1608 50V 10% R/TP B(
		C651	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C654	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C658	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C661	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C101	0CH6101K416	100PF 50V 5% NP0 2012 R/TP
		C104	0CH6101K416	100PF 50V 5% NP0 2012 R/TP
		C115	0CH6101K416	100PF 50V 5% NP0 2012 R/TP
		C116	0CH6101K416	100PF 50V 5% NP0 2012 R/TP
		C223	0CH6101K416	100PF 50V 5% NP0 2012 R/TP
		C323	0CH2474F566	0.47UF 16V 10% X7R 2012 R/T
		C326	0CH2474F566	0.47UF 16V 10% X7R 2012 R/T
		C332	0CH6101K416	100PF 50V 5% NP0 2012 R/TP
		C413	0CH2474F566	0.47UF 16V 10% X7R 2012 R/T
		C502	0CH2152K516	1500PF 50V 10% B(Y5P) 2012
		C505	0CH2152K516	1500PF 50V 10% B(Y5P) 2012
		C538	0CH2474F566	0.47UF 16V 10% X7R 2012 R/T
		C543	0CC101CK41A	100PF 1608 50V 5% R/TP NP0
		C554	0CC471CK41A	470PF 1608 50V 5% R/TP NP0
		C583	0CE108EJK18	"1000UF KMG,RD 35V 20%,-20%"
		C597	0CE108EJK18	"1000UF KMG,RD 35V 20%,-20%"
		C111	0CE476SF6DC	47UF MVG 16V 20% SMD R/TP
		C226	0CE227SF6DC	220UF MVG 16V 20% R/TP(SMD)
		C227	0CE227SF6DC	220UF MVG 16V 20% R/TP(SMD)
		C307	0CE226SF6DC	22UF MVG 16V 20% SMD R/TP
		C308	0CE227SF6DC	220UF MVG 16V 20% R/TP(SMD)
		C309	0CE476SF6DC	47UF MVG 16V 20% SMD R/TP
		C414	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD)
		C415	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD)
		C416	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD)
		C417	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD)

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*S	*AL	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
		C418	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD)
		C426	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD)
		C429	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD)
		C431	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD)
		C432	0CE105SK6DC	1UF MVG 50V 20% SMD R/TP
		C433	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD)
		C436	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD)
		C438	0CE476SF6DC	47UF MVG 16V 20% SMD R/TP
		C443	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD)
		C507	0CE476SF6DC	47UF MVG 16V 20% SMD R/TP
		C511	0CE226SF6DC	22UF MVG 16V 20% SMD R/TP
		C520	0CE335SK6DC	3.3UF MVG 50V 20% SMD R/TP
		C531	0CE226SF6DC	22UF MVG 16V 20% SMD R/TP
		C533	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD)
		C544	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD)
		C555	0CE335SK6DC	3.3UF MVG 50V 20% SMD R/TP
		C563	0CE107SF6DC	100UF MVG 16V 20% SMD R/TP
		C566	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD)
		C567	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD)
		C576	0CE475VK6DC	4.7UF MV 50V 20% R/TP(SMD)
		C577	0CE475VK6DC	4.7UF MV 50V 20% R/TP(SMD)
		C602	0CE107SF6DC	100UF MVG 16V 20% SMD R/TP
		C604	0CE107SF6DC	100UF MVG 16V 20% SMD R/TP
		C607	0CE107SF6DC	100UF MVG 16V 20% SMD R/TP
		C612	0CE107SF6DC	100UF MVG 16V 20% SMD R/TP
		C613	0CE107SF6DC	100UF MVG 16V 20% SMD R/TP
		C616	0CE477SF6DC	470UF MVG 16V 20% R/TP(SMD)
		C617	0CE107SF6DC	100UF MVG 16V 20% SMD R/TP
		C620	0CE107SF6DC	100UF MVG 16V 20% SMD R/TP
		C621	0CE227SF6DC	220UF MVG 16V 20% R/TP(SMD)
		C629	0CE107SF6DC	100UF MVG 16V 20% SMD R/TP
		C633	0CE107SF6DC	100UF MVG 16V 20% SMD R/TP
		C635	0CE107SF6DC	100UF MVG 16V 20% SMD R/TP
		C636	0CE107SF6DC	100UF MVG 16V 20% SMD R/TP
		C639	0CE107SF6DC	100UF MVG 16V 20% SMD R/TP
		C640	0CE476VK6DC	47UF MV 50V 20% R/TP(SMD) S
		C641	0CE476VK6DC	47UF MV 50V 20% R/TP(SMD) S
		C644	0CE107VH6DC	100UF MV 25V 20% R/TP(SMD)
		C646	0CE107VH6DC	100UF MV 25V 20% R/TP(SMD)
		C652	0CE476SF6DC	47UF MVG 16V 20% SMD R/TP
		C655	0CE107SF6DC	100UF MVG 16V 20% SMD R/TP
		C657	0CE107SF6DC	100UF MVG 16V 20% SMD R/TP
		C659	0CE107SF6DC	100UF MVG 16V 20% SMD R/TP
		C660	0CE107SF6DC	100UF MVG 16V 20% SMD R/TP
		C663	0CE476SF6DC	47UF MVG 16V 20% SMD R/TP
		C665	0CE476SF6DC	47UF MVG 16V 20% SMD R/TP
		C666	0CE476SF6DC	47UF MVG 16V 20% SMD R/TP
		C672	0CE476SF6DC	47UF MVG 16V 20% SMD R/TP
		C681	0CE476WF6DC	47UF MVK 16V 20% R/TP(SMD)
		C584	0CF4741L438	0.47UF D 63V 5% TP 5 M/PE N
		C585	0CF4741L438	0.47UF D 63V 5% TP 5 M/PE N
DIODEs				
		ZD101	0DR050008AA	SD05.TC R/TP SEMTECH SOD323
		ZD102	0DR050008AA	SD05.TC R/TP SEMTECH SOD323
		ZD301	0DR050008AA	SD05.TC R/TP SEMTECH SOD323
		ZD302	0DR050008AA	SD05.TC R/TP SEMTECH SOD323
		D101	0DS226009AA	KDS226 TP KEC - 80V -- 4NS
		D102	0DS226009AA	KDS226 TP KEC - 80V -- 4NS
		D103	0DS226009AA	KDS226 TP KEC - 80V -- 4NS
		D403	0DS226009AA	KDS226 TP KEC - 80V -- 4NS

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*S	*AL	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
		D404	0DS226009AA	KDS226 TP KEC - 80V - - 4NS
		D601	0DS226009AA	KDS226 TP KEC - 80V - - 4NS
		D602	0DS226009AA	KDS226 TP KEC - 80V - - 4NS
		D603	0DS226009AA	KDS226 TP KEC - 80V - - 4NS
		ZD108	0DZ510009EE	UDZ S 5.1B TP ROHM-K SOD323
		ZD109	0DZ510009EE	UDZ S 5.1B TP ROHM-K SOD323
		ZD501	0DZ820009AH	MTZJ8.2B TP ROHM-K DO34 - 8
IC				
		IC403	0IMMRMR006E	"MX29LV160BTTC-70G,LF MACRON"
		IC101	0IMMR00018A	24LC02BT-I/SNG(PB FREE) MIC
		IC402	0IMMRHY001F	HY57V641620HGT-H HYNIX 54P-PB FREE SOLDERING
		IC402	0IMMRHY001L	"HY57V641620ETP-H,LF HYNIX 5-PB FREE
		IC404	0IMCRAL006A	"AT24C16AN-10SU-2.7,LF ATMEL"
		IC301	0ISO206900A	CXA2069Q QFP64 BK I2C BUS A
		IC401	0IMCRMN023A	SDA6001 QH B12 MICRONAS 128
		IC501	0IMCRMN028B	MSP4410K MICRONAS 80P/PQFP
		IC502	0IMCRNL001A	NSP-6241B NEOFIDELITY 64P T-PB FREE SOLDERING
		IC502	0IMCRNL001C	"NSP-6241B,PB FREE NEOFIDELI-PB FREE
		IC503	0IMCRTI028C	"TAS5122DCARG4,LF TEXAS INS"
		IC405	0IKE702700D	"KIA7027AF 3, SOT-89 TP RESE"
		IC601	0IMCRFA010A	"KA7809R, FAIRCHILD 2P D-PAK"
		IC602	0IPRPM001A	MIC39100 MICREL 3P SOT223 R
		IC603	0IPMGKE030A	KIA78R05F KEC 5PIN DPAK R/T
COIL & CORE & & FILTER & INDUCTOR				
		L506	6140VB0022A	CPS-0810 GET 22UH 21.5TURNS
		L507	6140VB0022A	CPS-0810 GET 22UH 21.5TURNS
		L508	6140VB0022A	CPS-0810 GET 22UH 21.5TURNS
		L509	6140VB0022A	CPS-0810 GET 22UH 21.5TURNS
		L600	6210TCE001P	HB-1S2012-121JT CERATECH 20
		L601	6210TCE001P	HB-1S2012-121JT CERATECH 20
		L602	6210TCE001P	HB-1S2012-121JT CERATECH 20
		L603	6210TCE001P	HB-1S2012-121JT CERATECH 20
		L206	6210VC0005A	BK2125 HS 750 TAIYOYUDEN 2X
		L208	6210VC0005A	BK2125 HS 750 TAIYOYUDEN 2X
		L209	6210VC0005A	BK2125 HS 750 TAIYOYUDEN 2X
		L211	6200JB8010L	MLB-201209-1000L-N2 MAG LAY
		L216	6200JB8010L	MLB-201209-1000L-N2 MAG LAY
		L217	6200JB8010L	MLB-201209-1000L-N2 MAG LAY
		L218	6200JB8010L	MLB-201209-1000L-N2 MAG LAY
		L303	6210TCE001A	HB-1S2012-080JT CERATEC 201
		L305	6210TCE001A	HB-1S2012-080JT CERATEC 201
		L307	6210TCE001A	HB-1S2012-080JT CERATEC 201
		L309	6210TCE001A	HB-1S2012-080JT CERATEC 201
		L311	6210TCE001A	HB-1S2012-080JT CERATEC 201
		L312	6200JB8010L	MLB-201209-1000L-N2 MAG LAY
		L408	6210TCE001G	HH-1M3216-501 CERATEC 3216M
		L510	6200JB8010L	MLB-201209-1000L-N2 MAG LAY
		L511	6200JB8010L	MLB-201209-1000L-N2 MAG LAY
		L613	6210TCE001G	HH-1M3216-501 CERATEC 3216M
		L614	6210TCE001G	HH-1M3216-501 CERATEC 3216M
		L616	6210TCE001G	HH-1M3216-501 CERATEC 3216M
		L618	6210TCE001G	HH-1M3216-501 CERATEC 3216M
		L619	6210TCE001G	HH-1M3216-501 CERATEC 3216M
		L620	6210TCE001G	HH-1M3216-501 CERATEC 3216M
		L621	6210TCE001G	HH-1M3216-501 CERATEC 3216M
		L622	6210TCE001G	HH-1M3216-501 CERATEC 3216M
		L108	6210TCE001G	HH-1M3216-501 CERATEC 3216M
		L302	6210TCE001G	HH-1M3216-501 CERATEC 3216M

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*S	*AL	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
		L405	6210TCE001G	HH-1M3216-501 CERATEC 3216M
		L407	6210TCE001G	HH-1M3216-501 CERATEC 3216M
		L608	6210TCE001G	HH-1M3216-501 CERATEC 3216M
		L609	6210TCE001G	HH-1M3216-501 CERATEC 3216M
		L624	6210TCE001G	HH-1M3216-501 CERATEC 3216M
		L625	6210TCE001G	HH-1M3216-501 CERATEC 3216M
		L626	6210TCE001G	HH-1M3216-501 CERATEC 3216M
		L627	6210TCE001G	HH-1M3216-501 CERATEC 3216M
		L629	6210TCE001G	HH-1M3216-501 CERATEC 3216M
		L109	0LC2000005H	"FI-B2012-472,4.7UH CERATECH"
		L110	0LC2000005H	"FI-B2012-472,4.7UH CERATECH"
		L202	0LC0233002A	3.3UH CERATECH R/TP
		L204	0LC0233002A	3.3UH CERATECH R/TP
		L212	0LC0233002A	3.3UH CERATECH R/TP
		L213	0LC0233002A	3.3UH CERATECH R/TP
		L214	0LC0233002A	3.3UH CERATECH R/TP
		L215	0LC0233002A	3.3UH CERATECH R/TP
		L501	0LC2232101A	22UH 10% 3216 R/TC FI-D3216
		L502	0LC2232101A	22UH 10% 3216 R/TC FI-D3216
		L504	0LC2232101A	22UH 10% 3216 R/TC FI-D3216
		L512	0LC1020101A	1UH 10% 2012 R/TC FI-B2012-
		L513	0LC1020101A	1UH 10% 2012 R/TC FI-B2012-
		L503	0LC2232101A	22UH 10% 3216 R/TC FI-D3216
		L640	0LC6832101A	6.8UH 10% 3216 R/TC FI-C321
TRANSISTOR				
		Q307	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC -
		Q501	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC -
		Q502	0TR150400BA	CHIP 2SA1504S(ASY) BK KEC -
		Q503	0TR150400BA	CHIP 2SA1504S(ASY) BK KEC -
		Q504	0TR150400BA	CHIP 2SA1504S(ASY) BK KEC -
		Q505	0TR150400BA	CHIP 2SA1504S(ASY) BK KEC -
		Q506	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC -
		Q507	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC -
		Q508	0TR102008AA	KRA102S R/TP KEC SOT23 CHIP
		Q301	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC -
		Q302	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC -
		Q303	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC -
		Q304	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC -
		Q305	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC -
		Q306	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC -
		Q308	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC -
RESISTORS				
		L304	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		L306	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		L308	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		L310	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		L313	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		L314	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R101	0RH0752D622	75 OHM 1 / 10 W 2012 5.00%
		R102	0RH0752D622	75 OHM 1 / 10 W 2012 5.00%
		R103	0RH0752D622	75 OHM 1 / 10 W 2012 5.00%
		R104	0RH4701D622	4.7K OHM 1 / 10 W 2012 5.00
		R105	0RH4701D622	4.7K OHM 1 / 10 W 2012 5.00
		R107	0RH2203D622	220K OHM 1 / 10 W 2012 5.00
		R108	0RH2203D622	220K OHM 1 / 10 W 2012 5.00
		R109	0RH1001D622	1K OHM 1 / 10 W 2012 5.00%
		R110	0RH1001D622	1K OHM 1 / 10 W 2012 5.00%
		R111	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D

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*S	*AL	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
		R112	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R113	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R114	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R117	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R128	0RH1002D622	10K OHM 1 / 10 W 2012 5.00%
		R129	0RH1002D622	10K OHM 1 / 10 W 2012 5.00%
		R132	0RH4701D622	4.7K OHM 1 / 10 W 2012 5.00
		R133	0RH1000D622	100 OHM 1 / 10 W 2012 5.00%
		R135	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R136	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R137	0RH0222D622	22 OHM 1 / 10 W 2012 5.00%
		R138	0RH0222D622	22 OHM 1 / 10 W 2012 5.00%
		R139	0RH0222D622	22 OHM 1 / 10 W 2012 5.00%
		R140	0RH0222D622	22 OHM 1 / 10 W 2012 5.00%
		R141	0RH0222D622	22 OHM 1 / 10 W 2012 5.00%
		R201	0RH0822D622	82 OHM 1 / 10 W 2012 5.00%
		R203	0RH0822D622	82 OHM 1 / 10 W 2012 5.00%
		R205	0RH0822D622	82 OHM 1 / 10 W 2012 5.00%
		R208	0RH2203D622	220K OHM 1 / 10 W 2012 5.00
		R210	0RH2203D622	220K OHM 1 / 10 W 2012 5.00
		R212	0RH2203D622	220K OHM 1 / 10 W 2012 5.00
		R214	0RH2203D622	220K OHM 1 / 10 W 2012 5.00
		R220	0RH1001D622	1K OHM 1 / 10 W 2012 5.00%
		R222	0RH1001D622	1K OHM 1 / 10 W 2012 5.00%
		R237	0RH2203D622	220K OHM 1 / 10 W 2012 5.00
		R238	0RH0752D622	75 OHM 1 / 10 W 2012 5.00%
		R239	0RH2203D622	220K OHM 1 / 10 W 2012 5.00
		R240	0RH0752D622	75 OHM 1 / 10 W 2012 5.00%
		R241	0RH0752D622	75 OHM 1 / 10 W 2012 5.00%
		R244	0RH0822D622	82 OHM 1 / 10 W 2012 5.00%
		R245	0RH0752D622	75 OHM 1 / 10 W 2012 5.00%
		R246	0RH0822D622	82 OHM 1 / 10 W 2012 5.00%
		R247	0RH0822D622	82 OHM 1 / 10 W 2012 5.00%
		R248	0RH1002D622	10K OHM 1 / 10 W 2012 5.00%
		R251	0RH2203D622	220K OHM 1 / 10 W 2012 5.00
		R252	0RH2203D622	220K OHM 1 / 10 W 2012 5.00
		R253	0RH1001D622	1K OHM 1 / 10 W 2012 5.00%
		R254	0RH1001D622	1K OHM 1 / 10 W 2012 5.00%
		R315	0RH1001D622	1K OHM 1 / 10 W 2012 5.00%
		R316	0RH1001D622	1K OHM 1 / 10 W 2012 5.00%
		R332	0RH4702D622	47K OHM 1 / 10 W 2012 5.00%
		R336	0RH1000D622	100 OHM 1 / 10 W 2012 5.00%
		R338	0RH1000D622	100 OHM 1 / 10 W 2012 5.00%
		R340	0RH1201D622	1.2K OHM 1 / 10 W 2012 5.00
		R341	0RH1000D622	100 OHM 1 / 10 W 2012 5.00%
		R342	0RH1201D622	1.2K OHM 1 / 10 W 2012 5.00
		R343	0RH1000D622	100 OHM 1 / 10 W 2012 5.00%
		R348	0RH4702D622	47K OHM 1 / 10 W 2012 5.00%
		R349	0RH2001D622	2K OHM 1 / 10 W 2012 5.00%
		R350	0RH1000D622	100 OHM 1 / 10 W 2012 5.00%
		R351	0RH4702D622	47K OHM 1 / 10 W 2012 5.00%
		R356	0RH1000D622	100 OHM 1 / 10 W 2012 5.00%
		R358	0RH0822D622	82 OHM 1 / 10 W 2012 5.00%
		R405	0RH0222D622	22 OHM 1 / 10 W 2012 5.00%
		R407	0RH0222D622	22 OHM 1 / 10 W 2012 5.00%
		R412	0RH8200D622	820 OHM 1 / 10 W 2012 5.00%
		R413	0RH1801D622	1.8K OHM 1 / 10 W 2012 5.00
		R418	0RH1002D622	10K OHM 1 / 10 W 2012 5.00%
		R437	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R438	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R439	0RH0752D622	75 OHM 1 / 10 W 2012 5.00%
		R442	0RH1000D622	100 OHM 1 / 10 W 2012 5.00%

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*S	*AL	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
		R443	0RH1000D622	100 OHM 1 / 10 W 2012 5.00%
		R5	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R501	0RH3300D622	330 OHM 1 / 10 W 2012 5.00%
		R502	0RH1202D622	12K OHM 1 / 10 W 2012 5.00%
		R503	0RH3901D622	3.9K OHM 1 / 10 W 2012 5.00
		R508	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R510	0RH4700D622	470 OHM 1 / 10 W 2012 5.00%
		R511	0RH1000D622	100 OHM 1 / 10 W 2012 5.00%
		R513	0RH0432D622	43 OHM 1 / 10 W 2012 5.00%
		R514	0RH0432D622	43 OHM 1 / 10 W 2012 5.00%
		R516	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R525	0RH1002D622	10K OHM 1 / 10 W 2012 5.00%
		R526	0RH1002D622	10K OHM 1 / 10 W 2012 5.00%
		R541	0RH1000D622	100 OHM 1 / 10 W 2012 5.00%
		R559	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R560	0RH2200D622	220 OHM 1 / 10 W 2012 5.00%
		R561	0RH2200D622	220 OHM 1 / 10 W 2012 5.00%
		R562	0RH2200D622	220 OHM 1 / 10 W 2012 5.00%
		R563	0RH2200D622	220 OHM 1 / 10 W 2012 5.00%
		R564	0RH1001D622	1K OHM 1 / 10 W 2012 5.00%
		R565	0RH1001D622	1K OHM 1 / 10 W 2012 5.00%
		R566	0RH1001D622	1K OHM 1 / 10 W 2012 5.00%
		R567	0RH1001D622	1K OHM 1 / 10 W 2012 5.00%
		R568	0RH0221D622	2.2 OHM 1 / 10 W 2012 5.00%
		R569	0RH0221D622	2.2 OHM 1 / 10 W 2012 5.00%
		R570	0RH2201D622	2.2K OHM 1 / 10 W 2012 5.00
		R572	0RH0221D622	2.2 OHM 1 / 10 W 2012 5.00%
		R573	0RH2201D622	2.2K OHM 1 / 10 W 2012 5.00
		R574	0RH0221D622	2.2 OHM 1 / 10 W 2012 5.00%
		R575	0RH0331D622	3.3 OHM 1 / 10 W 2012 5.00%
		R579	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R581	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R582	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R583	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R584	0RH2001D622	2K OHM 1 / 10 W 2012 5.00%
		R585	0RH2001D622	2K OHM 1 / 10 W 2012 5.00%
		R586	0RH4703D622	470K OHM 1 / 10 W 2012 5.00
		R587	0RH4703D622	470K OHM 1 / 10 W 2012 5.00
		R590	0RH0331D622	3.3 OHM 1 / 10 W 2012 5.00%
		R591	0RH1002D622	10K OHM 1 / 10 W 2012 5.00%
		R595	0RH0101D622	1.0 1/10W 5 TA
		R599	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R6	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R7	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R701	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R703	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R704	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R705	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R706	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R711	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R713	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R8	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R1	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R115	0RJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R116	0RJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R130	0RJ1000D677	100 OHM 1/10 W 5% 1608 R/TP
		R131	0RJ1000D677	100 OHM 1/10 W 5% 1608 R/TP
		R134	0RJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R2	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R3	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R301	0RJ1000D677	100 OHM 1/10 W 5% 1608 R/TP
		R302	0RJ1000D677	100 OHM 1/10 W 5% 1608 R/TP

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*S	*AL	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
		R304	0RJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R305	0RJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R306	0RJ2200D677	220 OHM 1/10 W 5% 1608 R/TP
		R307	0RJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R309	0RJ4700D677	470 OHM 1/10 W 5% 1608 R/TP
		R310	0RJ4700D677	470 OHM 1/10 W 5% 1608 R/TP
		R311	0RJ4700D677	470 OHM 1/10 W 5% 1608 R/TP
		R312	0RJ3300D677	330 OHM 1/10 W 5% 1608 R/TP
		R313	0RJ2200D677	220 OHM 1/10 W 5% 1608 R/TP
		R314	0RJ4700D677	470 OHM 1/10 W 5% 1608 R/TP
		R319	0RJ4700D677	470 OHM 1/10 W 5% 1608 R/TP
		R320	0RJ4700D677	470 OHM 1/10 W 5% 1608 R/TP
		R321	0RJ4700D677	470 OHM 1/10 W 5% 1608 R/TP
		R322	0RJ4700D677	470 OHM 1/10 W 5% 1608 R/TP
		R323	0RJ8200D677	820 OHM 1/10 W 5% 1608 R/TP
		R324	0RJ4700D677	470 OHM 1/10 W 5% 1608 R/TP
		R325	0RJ4700D677	470 OHM 1/10 W 5% 1608 R/TP
		R326	0RJ4700D677	470 OHM 1/10 W 5% 1608 R/TP
		R327	0RJ1201D677	1200 OHM 1/10 W 5% 1608 R/T
		R328	0RJ1201D677	1200 OHM 1/10 W 5% 1608 R/T
		R329	0RJ1000D677	100 OHM 1/10 W 5% 1608 R/TP
		R333	0RJ4702D677	47000 OHM 1/10 W 5% 1608 R/
		R334	0RJ1000D677	100 OHM 1/10 W 5% 1608 R/TP
		R335	0RJ1201D677	1200 OHM 1/10 W 5% 1608 R/T
		R337	0RJ1201D677	1200 OHM 1/10 W 5% 1608 R/T
		R339	0RJ1000D677	100 OHM 1/10 W 5% 1608 R/TP
		R346	0RJ4702D677	47000 OHM 1/10 W 5% 1608 R/
		R347	0RJ2001D677	2K OHM 1/10 W 5% 1608 R/TP
		R352	0RJ1000D677	100 OHM 1/10 W 5% 1608 R/TP
		R353	0RJ4702D677	47000 OHM 1/10 W 5% 1608 R/
		R354	0RJ1000D677	100 OHM 1/10 W 5% 1608 R/TP
		R4	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R401	0RJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R402	0RJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R419	0RJ1000D677	100 OHM 1/10 W 5% 1608 R/TP
		R420	0RJ0752D677	75 OHM 1/10 W 5% 1608 R/TP
		R421	0RJ0752D677	75 OHM 1/10 W 5% 1608 R/TP
		R422	0RJ0752D677	75 OHM 1/10 W 5% 1608 R/TP
		R429	0RJ3301D677	3.3K OHM 1/10 W 5% 1608 R/T
		R430	0RJ1000D677	100 OHM 1/10 W 5% 1608 R/TP
		R431	0RJ3301D677	3.3K OHM 1/10 W 5% 1608 R/T
		R432	0RJ1000D677	100 OHM 1/10 W 5% 1608 R/TP
		R433	0RJ8201D677	8.2K OHM 1/10 W 5% 1608 R/T
		R436	0RJ0222D677	22 OHM 1/10 W 5% 1608 R/TP
		R504	0RJ1000D677	100 OHM 1/10 W 5% 1608 R/TP
		R505	0RJ1000D677	100 OHM 1/10 W 5% 1608 R/TP
		R506	0RJ1000D677	100 OHM 1/10 W 5% 1608 R/TP
		R507	0RJ1000D677	100 OHM 1/10 W 5% 1608 R/TP
		R517	0RJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R518	0RJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R519	0RJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R521	0RJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R524	0RJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R527	0RJ2200D677	220 OHM 1/10 W 5% 1608 R/TP
		R530	0RJ2200D677	220 OHM 1/10 W 5% 1608 R/TP
		R532	0RJ1000D677	100 OHM 1/10 W 5% 1608 R/TP
		R533	0RJ2200D677	220 OHM 1/10 W 5% 1608 R/TP
		R536	0RJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R537	0RJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R538	0RJ1001D677	1K OHM 1/10 W 5% 1608 R/TP
		R539	0RJ1001D677	1K OHM 1/10 W 5% 1608 R/TP
		R540	0RJ1001D677	1K OHM 1/10 W 5% 1608 R/TP

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*S	*AL	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
		R542	0RJ2200D677	220 OHM 1/10 W 5% 1608 R/TP
		R543	0RJ2200D677	220 OHM 1/10 W 5% 1608 R/TP
		R544	0RJ2200D677	220 OHM 1/10 W 5% 1608 R/TP
		R545	0RJ2200D677	220 OHM 1/10 W 5% 1608 R/TP
		R546	0RJ1001D677	1K OHM 1/10 W 5% 1608 R/TP
		R547	0RJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R548	0RJ1001D677	1K OHM 1/10 W 5% 1608 R/TP
		R549	0RJ1001D677	1K OHM 1/10 W 5% 1608 R/TP
		R550	0RJ1001D677	1K OHM 1/10 W 5% 1608 R/TP
		R552	0RJ1001D677	1K OHM 1/10 W 5% 1608 R/TP
		R553	0RJ2200D677	220 OHM 1/10 W 5% 1608 R/TP
		R554	0RJ2200D677	220 OHM 1/10 W 5% 1608 R/TP
		R555	0RJ2200D677	220 OHM 1/10 W 5% 1608 R/TP
		R556	0RJ1000D677	100 OHM 1/10 W 5% 1608 R/TP
		R557	0RJ1000D677	100 OHM 1/10 W 5% 1608 R/TP
		R558	0RJ1000D677	100 OHM 1/10 W 5% 1608 R/TP
		R571	0RJ0101D677	1 OHM 1/10 W 5% 1608 R/TP
		R576	0RJ0221D677	2.2 OHM 1/10 W 5% 1608 R/TP
		R577	0RJ0221D677	2.2 OHM 1/10 W 5% 1608 R/TP
		R578	0RJ0221D677	2.2 OHM 1/10 W 5% 1608 R/TP
		R580	0RJ0221D677	2.2 OHM 1/10 W 5% 1608 R/TP
		R588	0RJ1501D677	1.5K OHM 1/10 W 5% 1608 R/T
		R589	0RJ1501D677	1.5K OHM 1/10 W 5% 1608 R/T
		R592	0RJ1002D677	10K OHM 1/10 W 5% 1608 R/TP
		R593	0RJ1002D677	10K OHM 1/10 W 5% 1608 R/TP
		R594	0RJ1002D677	10K OHM 1/10 W 5% 1608 R/TP
		R596	0RJ0101D677	1 OHM 1/10 W 5% 1608 R/TP
		R597	0RJ0101D677	1 OHM 1/10 W 5% 1608 R/TP
		R598	0RJ0101D677	1 OHM 1/10 W 5% 1608 R/TP
		R601	0RJ1002D677	10K OHM 1/10 W 5% 1608 R/TP
		R715	0RJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R717	0RJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R718	0RJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R719	0RJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R720	0RJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R721	0RJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R722	0RJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R723	0RJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
OTHERs				
		X401	6202TST001C	"SX-1, SUNNY SMD, 6.0MHZ ,50"
		X501	6202VDT002H	SX-1 SUNNY 18.432000MHZ +/-
		TU2	6634D00014B	TASA-G204D LG INNOTEK 75 OH
MAIN BOARD(Digital)				
CAPACITOR				
		C1001	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C1002	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C1005	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C1006	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C1007	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C1008	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C1010	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C1011	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C1012	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C1013	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C1014	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C1015	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C1016	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C1017	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP

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*S	*AL	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
		C520	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C521	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C522	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C523	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C524	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C525	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C526	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C527	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C528	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C529	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C530	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C531	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C532	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C533	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C534	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C535	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C537	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C538	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C539	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C541	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C542	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C543	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C544	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C545	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C546	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C547	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C549	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C601	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C603	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C606	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C607	0CH5221K416	220PF 50V 5% NP0 2012 R/TP
		C609	0CH5102K416	1000PF 50V 5% NP0 2012 R/TP
		C610	0CH5221K416	220PF 50V 5% NP0 2012 R/TP
		C611	0CH5150K416	15PF 50V 5% NP0 2012 R/TP
		C612	0CH5150K416	15PF 50V 5% NP0 2012 R/TP
		C615	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C617	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C620	0CH2103K666	0.01UF 50V 20% X7R 2012 R/T
		C701	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C702	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C703	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C704	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C705	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C706	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C707	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C708	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C709	0CH5220K416	22PF 50V 5% NP0 2012 R/TP
		C710	0CH5220K416	22PF 50V 5% NP0 2012 R/TP
		C712	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C713	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C714	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C715	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C716	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C717	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C718	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C720	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C721	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C725	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C802	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C803	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C807	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C808	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP

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		C811	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C828	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C829	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C908	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C910	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C912	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C919	0CH2103K666	0.01UF 50V 20% X7R 2012 R/T
		C920	0CH2103K666	0.01UF 50V 20% X7R 2012 R/T
		C951	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C952	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C956	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C957	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C958	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C960	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C962	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C964	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C965	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		R202	0CH5181K416	180PF 50V 5% NP0 2012 R/TP
		C1009	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C1501	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C1505	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C1537	0CK103CK51A	0.01UF 1608 50V 10% R/TP B(
		C1545	0CK103CK51A	0.01UF 1608 50V 10% R/TP B(
		C1549	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C1554	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C1564	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C1565	0CK103CK51A	0.01UF 1608 50V 10% R/TP B(
		C1708	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C1713	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C1714	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C1718	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C215	0CK224CF56A	0.22UF 1608 16V 10% R/TP X7
		C216	0CK224CF56A	0.22UF 1608 16V 10% R/TP X7
		C217	0CK224CF56A	0.22UF 1608 16V 10% R/TP X7
		C223	0CK473CK56A	47000PF 1608 50V 10% R/TP X
		C224	0CK103CK51A	0.01UF 1608 50V 10% R/TP B(
		C225	0CK474CH94A	"0.47UF 1608 25V 80%,-20% R"
		C229	0CK224CF56A	0.22UF 1608 16V 10% R/TP X7
		C254	0CK473CK56A	47000PF 1608 50V 10% R/TP X
		C255	0CK102CK56A	1000PF 1608 50V 0.1 R/TP X7
		C258	0CK473CK56A	47000PF 1608 50V 10% R/TP X
		C301	0CK474CH94A	"0.47UF 1608 25V 80%,-20% R"
		C302	0CK474CH94A	"0.47UF 1608 25V 80%,-20% R"
		C303	0CK474CH94A	"0.47UF 1608 25V 80%,-20% R"
		C305	0CK472CK51A	4700PF 1608 50V 10% R/TP B(
		C306	0CK474CH94A	"0.47UF 1608 25V 80%,-20% R"
		C307	0CK474CH94A	"0.47UF 1608 25V 80%,-20% R"
		C312	0CK474CH94A	"0.47UF 1608 25V 80%,-20% R"
		C313	0CK474CH94A	"0.47UF 1608 25V 80%,-20% R"
		C314	0CK474CH94A	"0.47UF 1608 25V 80%,-20% R"
		C315	0CK474CH94A	"0.47UF 1608 25V 80%,-20% R"
		C316	0CK474CH94A	"0.47UF 1608 25V 80%,-20% R"
		C321	0CK474CH94A	"0.47UF 1608 25V 80%,-20% R"
		C322	0CK474CH94A	"0.47UF 1608 25V 80%,-20% R"
		C323	0CK474CH94A	"0.47UF 1608 25V 80%,-20% R"
		C324	0CK474CH94A	"0.47UF 1608 25V 80%,-20% R"
		C325	0CK474CH94A	"0.47UF 1608 25V 80%,-20% R"
		C329	0CK474CH94A	"0.47UF 1608 25V 80%,-20% R"
		C330	0CK474CH94A	"0.47UF 1608 25V 80%,-20% R"
		C331	0CK474CH94A	"0.47UF 1608 25V 80%,-20% R"
		C353	0CK473CK56A	47000PF 1608 50V 10% R/TP X
		C354	0CK473CK56A	47000PF 1608 50V 10% R/TP X

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		C355	0CK473CK56A	47000PF 1608 50V 10% R/TP X
		C361	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C370	0CK823CK56A	82NF 1608 50V 10% R/TP X7R
		C373	0CK822CK56A	8200PF 1608 50V 10% X7R R/T
		C376	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C381	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C447	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C448	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C455	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C461	0CK103CK51A	0.01UF 1608 50V 10% R/TP B(
		C462	0CK103CK51A	0.01UF 1608 50V 10% R/TP B(
		C468	0CK103CK51A	0.01UF 1608 50V 10% R/TP B(
		C469	0CK103CK51A	0.01UF 1608 50V 10% R/TP B(
		C515	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C536	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C540	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C548	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C552	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C619	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C719	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C722	0CK103CK51A	0.01UF 1608 50V 10% R/TP B(
		C723	0CK103CK51A	0.01UF 1608 50V 10% R/TP B(
		C724	0CK103CK51A	0.01UF 1608 50V 10% R/TP B(
		C804	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C805	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C806	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C809	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C810	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C814	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C815	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C816	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C817	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C818	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C901	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C904	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C905	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C911	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C961	0CK472CK51A	4700PF 1608 50V 10% R/TP B(
		C963	0CK103CK51A	0.01UF 1608 50V 10% R/TP B(
		C976	0CK103CK51A	0.01UF 1608 50V 10% R/TP B(
		C214	0CH2224F946	"0.22UF 16V 80%,-20% F(Y5V)"
		C218	0CH2152K516	1500PF 50V 10% B(Y5P) 2012
		C226	0CH2474F566	0.47UF 16V 10% X7R 2012 R/T
		C230	0CH2152K516	1500PF 50V 10% B(Y5P) 2012
		C232	0CH2473K516	47000PF 50V 10% B(Y5P) 2012
		C233	0CH2473K516	47000PF 50V 10% B(Y5P) 2012
		C237	0CH2152K516	1500PF 50V 10% B(Y5P) 2012
		C239	0CH2473K516	47000PF 50V 10% B(Y5P) 2012
		C304	0CH2474F566	0.47UF 16V 10% X7R 2012 R/T
		C311	0CH6101K416	100PF 50V 5% NP0 2012 R/TP
		C319	0CH2474F566	0.47UF 16V 10% X7R 2012 R/T
		C320	0CH2474F566	0.47UF 16V 10% X7R 2012 R/T
		C1500	0CC471CK41A	470PF 1608 50V 5% R/TP NP0
		C1502	0CC471CK41A	470PF 1608 50V 5% R/TP NP0
		C1503	0CC471CK41A	470PF 1608 50V 5% R/TP NP0
		C1504	0CC471CK41A	470PF 1608 50V 5% R/TP NP0
		C1506	0CC471CK41A	470PF 1608 50V 5% R/TP NP0
		C1507	0CC471CK41A	470PF 1608 50V 5% R/TP NP0
		C1508	0CC471CK41A	470PF 1608 50V 5% R/TP NP0
		C1509	0CC471CK41A	470PF 1608 50V 5% R/TP NP0
		C227	0CC101CK41A	100PF 1608 50V 5% R/TP NP0
		C228	0CC391CK41A	390PF 1608 50V 5% NP0 R/TP

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*S	*AL	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
		C352	0CC471CK41A	470PF 1608 50V 5% R/TP NP0
		C385	0CC100CK41A	10PF 1608 50V 5% R/TP NP0
		C422	0CC180CK41A	18PF 1608 50V 5% R/TP NP0
		C424	0CC180CK41A	18PF 1608 50V 5% R/TP NP0
		C711	0CC821CK41A	820PF 1608 50V 5% R/TP NP0
		C727	0CC221CK41A	220PF 1608 50V 5% R/TP NP0
		C801	0CC101CK41A	100PF 1608 50V 5% R/TP NP0
		C819	0CC300CK41A	30PF 1608 50V 5% R/TP NP0
		C831	0CC100CK41A	10PF 1608 50V 5% R/TP NP0
		C972	0CC470CK41A	47PF 1608 50V 5% R/TP NP0
		C975	0CC470CK41A	47PF 1608 50V 5% R/TP NP0
		R217	0CC680CK41A	68PF 1608 50V 5% R/TP NP0
		R251	0CC181CK41A	180PF 1608 50V 5% R/TP NP0
		R261	0CC680CK41A	68PF 1608 50V 5% R/TP NP0
		C1003	0CE476SF6DC	47UF MVG 16V 20% SMD R/TP
		C1004	0CE476SF6DC	47UF MVG 16V 20% SMD R/TP
		C104	0CE476SF6DC	47UF MVG 16V 20% SMD R/TP
		C1404	0CE226SF6DC	22UF MVG 16V 20% SMD R/TP
		C1407	0CE226SF6DC	22UF MVG 16V 20% SMD R/TP
		C1409	0CE476VK6DC	47UF MV 50V 20% R/TP(SMD) S
		C1512	0CE477WF6DC	470UF MVK 16V 20% SMD R/TP(
		C1515	0CE477WF6DC	470UF MVK 16V 20% SMD R/TP(
		C1518	0CE477WF6DC	470UF MVK 16V 20% SMD R/TP(
		C1521	0CE477WF6DC	470UF MVK 16V 20% SMD R/TP(
		C1524	0CE476VK6DC	47UF MV 50V 20% R/TP(SMD) S
		C1526	0CE476WK6DC	47UF MVK 50V 20% R/TP(SMD)
		C1585	0CE477WF6DC	470UF MVK 16V 20% SMD R/TP(
		C1586	0CE107WF6DC	100UF MVK 16V 20% R/TP(SMD)
		C1587	0CE107WF6DC	100UF MVK 16V 20% R/TP(SMD)
		C1588	0CE107WF6DC	100UF MVK 16V 20% R/TP(SMD)
		C1589	0CE476SF6DC	47UF MVG 16V 20% SMD R/TP
		C1590	0CE477SF6DC	470UF MVG 16V 20% R/TP(SMD)
		C1591	0CE107WF6DC	100UF MVK 16V 20% R/TP(SMD)
		C1592	0CE476SF6DC	47UF MVG 16V 20% SMD R/TP
		C1593	0CE476SF6DC	47UF MVG 16V 20% SMD R/TP
		C1594	0CE476SF6DC	47UF MVG 16V 20% SMD R/TP
		C1595	0CE226SF6DC	22UF MVG 16V 20% SMD R/TP
		C1596	0CE476SF6DC	47UF MVG 16V 20% SMD R/TP
		C1597	0CE226SF6DC	22UF MVG 16V 20% SMD R/TP
		C1598	0CE476SF6DC	47UF MVG 16V 20% SMD R/TP
		C1599	0CE476SF6DC	47UF MVG 16V 20% SMD R/TP
		C1600	0CE226SF6DC	22UF MVG 16V 20% SMD R/TP
		C1601	0CE476SF6DC	47UF MVG 16V 20% SMD R/TP
		C1602	0CE476SF6DC	47UF MVG 16V 20% SMD R/TP
		C1603	0CE226SF6DC	22UF MVG 16V 20% SMD R/TP
		C1604	0CE226WF6DC	22UF MVK 16V 20% R/TP(SMD)
		C1605	0CE476SF6DC	47UF MVG 16V 20% SMD R/TP
		C1606	0CE476SF6DC	47UF MVG 16V 20% SMD R/TP
		C1607	0CE476SF6DC	47UF MVG 16V 20% SMD R/TP
		C1608	0CE476SF6DC	47UF MVG 16V 20% SMD R/TP
		C1609	0CE226SF6DC	22UF MVG 16V 20% SMD R/TP
		C1610	0CE476WF6DC	47UF MVK 16V 20% R/TP(SMD)
		C1611	0CE476SF6DC	47UF MVG 16V 20% SMD R/TP
		C1612	0CE476SF6DC	47UF MVG 16V 20% SMD R/TP
		C1613	0CE476WF6DC	47UF MVK 16V 20% R/TP(SMD)
		C1614	0CE476SF6DC	47UF MVG 16V 20% SMD R/TP
		C1615	0CE107WF6DC	100UF MVK 16V 20% R/TP(SMD)
		C1616	0CE476WF6DC	47UF MVK 16V 20% R/TP(SMD)
		C1617	0CE476WF6DC	47UF MVK 16V 20% R/TP(SMD)
		C1619	0CE107WF6DC	100UF MVK 16V 20% R/TP(SMD)
		C1621	0CE107WF6DC	100UF MVK 16V 20% R/TP(SMD)
		C1624	0CE107WF6DC	100UF MVK 16V 20% R/TP(SMD)

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*S	*AL	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
		C1625	0CE476WF6DC	47UF MVK 16V 20% R/TP(SMD)
		C1628	0CE107SF6DC	100UF MVG 16V 20% SMD R/TP
		C1629	0CE107WF6DC	100UF MVK 16V 20% R/TP(SMD)
		C1631	0CE107WF6DC	100UF MVK 16V 20% R/TP(SMD)
		C1632	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD)
		C1633	0CE476SF6DC	47UF MVG 16V 20% SMD R/TP
		C1637	0CE107SF6DC	100UF MVG 16V 20% SMD R/TP
		C1642	0CE107WF6DC	100UF MVK 16V 20% R/TP(SMD)
		C1644	0CE107WF6DC	100UF MVK 16V 20% R/TP(SMD)
		C1645	0CE107WF6DC	100UF MVK 16V 20% R/TP(SMD)
		C1648	0CE107WF6DC	100UF MVK 16V 20% R/TP(SMD)
		C1651	0CE107SF6DC	100UF MVG 16V 20% SMD R/TP
		C1657	0CE477WF6DC	470UF MVK 16V 20% SMD R/TP
		C1658	0CE477SF6DC	470UF MVG 16V 20% R/TP(SMD)
		C1659	0CE476SF6DC	47UF MVG 16V 20% SMD R/TP
		C1660	0CE476SF6DC	47UF MVG 16V 20% SMD R/TP
		C1663	0CE476WF6DC	47UF MVK 16V 20% R/TP(SMD)
		C1664	0CE476WF6DC	47UF MVK 16V 20% R/TP(SMD)
		C1701	0CE476SF6DC	47UF MVG 16V 20% SMD R/TP
		C1702	0CE476SF6DC	47UF MVG 16V 20% SMD R/TP
		C1703	0CE476SF6DC	47UF MVG 16V 20% SMD R/TP
		C203	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD)
		C204	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD)
		C205	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD)
		C206	0CE226SF6DC	22UF MVG 16V 20% SMD R/TP
		C207	0CE476SF6DC	47UF MVG 16V 20% SMD R/TP
		C208	0CE476SF6DC	47UF MVG 16V 20% SMD R/TP
		C209	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD)
		C252	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD)
		C356	0CE226SF6DC	22UF MVG 16V 20% SMD R/TP
		C368	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD)
		C377	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD)
		C384	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD)
		C388	0CE226SF6DC	22UF MVG 16V 20% SMD R/TP
		C401	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD)
		C402	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD)
		C426	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD)
		C446	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD)
		C550	0CE106WFKDC	"10UF MVK 16V 20%,-20% SMD R"
		C551	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD)
		C602	0CE107SF6DC	100UF MVG 16V 20% SMD R/TP
		C605	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD)
		C608	0CE105SK6DC	1UF MVG 50V 20% SMD R/TP
		C614	0CE107SF6DC	100UF MVG 16V 20% SMD R/TP
		C616	0CE226SF6DC	22UF MVG 16V 20% SMD R/TP
		C618	0CE107SF6DC	100UF MVG 16V 20% SMD R/TP
		C728	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD)
		C729	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD)
		C812	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD)
		C813	0CE106WFKDC	"10UF MVK 16V 20%,-20% SMD R"
		C827	0CE226SF6DC	22UF MVG 16V 20% SMD R/TP
		C902	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD)
		C903	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD)
		C909	0CE476SF6DC	47UF MVG 16V 20% SMD R/TP
		C918	0CE107SF6DC	100UF MVG 16V 20% SMD R/TP
		C953	0CE107SF6DC	100UF MVG 16V 20% SMD R/TP
		C954	0CE226SF6DC	22UF MVG 16V 20% SMD R/TP
		C955	0CE226SF6DC	22UF MVG 16V 20% SMD R/TP
		C973	0CE226SF6DC	22UF MVG 16V 20% SMD R/TP
		C974	0CE226SF6DC	22UF MVG 16V 20% SMD R/TP

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*S	*AL	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
DIODEs				
		D104	0DD184009AA	KDS184 TP KEC - 85V --- 3
		D1101	0DD184009AA	KDS184 TP KEC - 85V --- 3
		D801	0DS181009AA	KDS181 TP KEC SOT-23 80V
IC				
		IC1003	0ICTMLG013A	LGDT1901A LG IC 24P SSOP TR
		IC1301	0ICTMLG018B	LGDP4411 IEP2 LG IC 208P LQ
		IC701	0ICTMLG009C	LGDT1102C HD2.3 LG IC SBGA-
		IC301	0ILNRMN005B	VPX3226F MICRONAS 44PIN PMQ
		IC902	0IMMRAL016D	AT49BV160C-70TU ATMEL 48P T
		IC903	0IMMRAL016D	AT49BV160C-70TU ATMEL 48P T
		IC102	0IMMRAL043C	AT49BV162A-70TU ATMEL 48P/T
		IC102	0IMMR00018A	24LC02BT-I/SNG(PB FREE) MIC
		IC702	0IMMRSS041D	K4S641632H-TL75 SAMSUNG ELE-PB FREE SOLDERING
		IC702	0IMMRSS041G	"K4S641632H-UC75,LF SAMSUNG-PB FREE
		IC703	0IMMRSS041D	K4S641632H-TL75 SAMSUNG ELE-PB FREE SOLDERING
		IC703	0IMMRSS041G	"K4S641632H-UC75,LF SAMSUNG-PB FREE
		IC704	0IMMRSS041D	K4S641632H-TL75 SAMSUNG ELE-PB FREE SOLDERING
		IC704	0IMMRSS041G	"K4S641632H-UC75,LF SAMSUNG-PB FREE
		IC705	0IMMRSS041D	K4S641632H-TL75 SAMSUNG ELE-PB FREE SOLDERING
		IC705	0IMMRSS041G	"K4S641632H-UC75,LF SAMSUNG-PB FREE
		IC803	0IMMR00022A	24LC16BT-I/SNG(PB FREE) MIC
		IC904	0IMMRSS041D	K4S641632H-TL75 SAMSUNG ELE-PB FREE SOLDERING
		IC904	0IMMRSS041G	"K4S641632H-UC75,LF SAMSUNG-PB FREE
		IC905	0IMMRSS041D	K4S641632H-TL75 SAMSUNG ELE-PB FREE SOLDERING
		IC905	0IMMRSS041G	"K4S641632H-UC75,LF SAMSUNG-PB FREE
		IC906	0IMMR00024A	24LC256T-I/SMG(PB FREE) MIC
		IC1001	0IMCRXL004A	"XC95288XL-10TQG144C,LF XIL"
		IC1004	0IMCRCY002A	CY2309SXC-1HT CYPRESS SOIC
		IC1101	0IMCRPH026A	PCA9516PW PHILIPS 16P TSSOP
		IC1102	0IMCRSG010A	ST3232CDR SGS-THOMSON SOP16
		IC401	0IMCRSO025A	CXA2181Q SONY 48P QFP TRAY
		IC901	0IMCRSS016A	S3C44BOX01-EDRO SAMSUNG ELE
		IC801	0IPRPMI006A	M37272E8SP(OTP) MITSUBISHI
		IC1005	0IPRPS00548A	"CY25560SXC,LF CYPRESS 8P,S"
		IC1202	0ICB841500B	CS8415A-CZR 28P TSSOP R/TP
		IC1205	0ICB533100A	CS5331A-KSR 8SOIC TP ADC -
		IC1401	0ITH638300C	"THC63LVDM83R(F),LF THINE EL"
		IC201	0IIT323000E	VPC3230D C5 80P QFP TRAY VI
		IC501	0IPRPAD008B	"AD9883AKST(Z)-110,LF ANALOG"
		IC601	0IPRPS0005A	SI9011CLU(PB FREE) SILICON
		IC1701	0IPH827150A	P82B715T 8SOP R/TP IIC EXTE
		IC1103	0IKE702900G	KIA7029AF SOT-89 TP 2.9V VO
		IC1601	0IPMGKE030A	KIA78R05F KEC 5PIN DPAK R/T
		IC1603	0IMCRSJ001A	SC1565IST-1.8 SEMTECH 3P SO
		IC1604	0IMCRFA010A	"KA7809R, FAIRCHILD 2P D-PAK"
		IC1605	0IPRPMI001A	MIC39100 MICREL 3P SOT223 R
		IC1607	0IPMGKE030A	KIA78R05F KEC 5PIN DPAK R/T
		IC1609	0IPMGKE030A	KIA78R05F KEC 5PIN DPAK R/T
		IC1610	0IMCRSJ001A	SC1565IST-1.8 SEMTECH 3P SO
		IC1611	0IMCRSJ001A	SC1565IST-1.8 SEMTECH 3P SO
		IC802	0IKE704200J	KIA7042AF SOT-89 TP 4.2V VO
		IC1602	0IRH033200A	BA033FP-E2 MOLD-3 TP REGULA
		IC1606	0IRH033200A	BA033FP-E2 MOLD-3 TP REGULA
		IC1608	0IRH033200A	BA033FP-E2 MOLD-3 TP REGULA
		IC103	0IMCRTI003A	SN74HCT08D TEXAS INSTRUMENT
		IC1104	0IPH741400E	74HC14D 14SOP TP SHITTER TR
		IC1201	0IMCRFA013A	74LCX244MTC FAIRCHILD 20P T
		IC1203	0ITO741570C	"TC74LCX157FT 16P,TSSOP TP Q"
		IC1206	0ISTL00029A	"MC33078DR2G,LF ON SEMI 8P,S"

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*S	*AL	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
COIL & CORE & & FILTER & INDUCTOR				
		L1639	6140VB0004B	26UH 1UEWPHY 22.5TURN YL-9N
		L1640	6140VB0004B	26UH 1UEWPHY 22.5TURN YL-9N
		L1641	6140VB0004B	26UH 1UEWPHY 22.5TURN YL-9N
		L1642	6140VB0004B	26UH 1UEWPHY 22.5TURN YL-9N
		L1501	6210TCE001P	HB-1S2012-121JT CERATECH 20
		L1502	6210TCE001P	HB-1S2012-121JT CERATECH 20
		L1503	6210TCE001P	HB-1S2012-121JT CERATECH 20
		L1504	6210TCE001P	HB-1S2012-121JT CERATECH 20
		L1505	6210TCE001P	HB-1S2012-121JT CERATECH 20
		L1506	6210TCE001P	HB-1S2012-121JT CERATECH 20
		L1507	6210TCE001P	HB-1S2012-121JT CERATECH 20
		L1508	6210TCE001P	HB-1S2012-121JT CERATECH 20
		R1602	6210TCE001P	HB-1S2012-121JT CERATECH 20
		R1607	6210TCE001P	HB-1S2012-121JT CERATECH 20
		R168	6210TCE001P	HB-1S2012-121JT CERATECH 20
		R170	6210TCE001P	HB-1S2012-121JT CERATECH 20
		R181	6210TCE001P	HB-1S2012-121JT CERATECH 20
		IC502	0IZZVF0022D	AFM118F6M00X1(AF-9424C) MUR
		L101	6210TCE001G	HH-1M3216-501 CERATEC 3216M
		L105	6210TCE001G	HH-1M3216-501 CERATEC 3216M
		L1101	6210TCE001G	HH-1M3216-501 CERATEC 3216M
		L1201	6210TCE001G	HH-1M3216-501 CERATEC 3216M
		L1402	6210TCE001G	HH-1M3216-501 CERATEC 3216M
		L1602	6210TCE001G	HH-1M3216-501 CERATEC 3216M
		L1605	6210TCE001G	HH-1M3216-501 CERATEC 3216M
		L1606	6210TCE001G	HH-1M3216-501 CERATEC 3216M
		L1607	6210TCE001G	HH-1M3216-501 CERATEC 3216M
		L1608	6210TCE001G	HH-1M3216-501 CERATEC 3216M
		L1609	6210TCE001G	HH-1M3216-501 CERATEC 3216M
		L1610	6210TCE001G	HH-1M3216-501 CERATEC 3216M
		L1611	6210TCE001G	HH-1M3216-501 CERATEC 3216M
		L1612	6210TCE001G	HH-1M3216-501 CERATEC 3216M
		L1613	6210TCE001G	HH-1M3216-501 CERATEC 3216M
		L1614	6210TCE001G	HH-1M3216-501 CERATEC 3216M
		L1615	6210TCE001G	HH-1M3216-501 CERATEC 3216M
		L1616	6210TCE001G	HH-1M3216-501 CERATEC 3216M
		L1619	6210TCE001G	HH-1M3216-501 CERATEC 3216M
		L1620	6210TCE001G	HH-1M3216-501 CERATEC 3216M
		L1621	6210TCE001G	HH-1M3216-501 CERATEC 3216M
		L1624	6210TCE001G	HH-1M3216-501 CERATEC 3216M
		L1625	6210TCE001G	HH-1M3216-501 CERATEC 3216M
		L1627	6210TCE001G	HH-1M3216-501 CERATEC 3216M
		L1628	6210TCE001G	HH-1M3216-501 CERATEC 3216M
		L1629	6210TCE001G	HH-1M3216-501 CERATEC 3216M
		L1630	6210TCE001G	HH-1M3216-501 CERATEC 3216M
		L1631	6210TCE001G	HH-1M3216-501 CERATEC 3216M
		L1633	6210TCE001G	HH-1M3216-501 CERATEC 3216M
		L1634	6210TCE001G	HH-1M3216-501 CERATEC 3216M
		L1635	6210TCE001G	HH-1M3216-501 CERATEC 3216M
		L1636	6210TCE001G	HH-1M3216-501 CERATEC 3216M
		L1637	6210TCE001G	HH-1M3216-501 CERATEC 3216M
		L1638	6210TCE001G	HH-1M3216-501 CERATEC 3216M
		L402	6210TCE001A	HB-1S2012-080JT CERATEC 201
		L404	6210TCE001A	HB-1S2012-080JT CERATEC 201
		L406	6210TCE001A	HB-1S2012-080JT CERATEC 201
		L408	6210TCE001A	HB-1S2012-080JT CERATEC 201
		L601	6210TCE001G	HH-1M3216-501 CERATEC 3216M
		L602	6210TCE001G	HH-1M3216-501 CERATEC 3216M
		L801	6210TCE001G	HH-1M3216-501 CERATEC 3216M
		L802	6210TCE001G	HH-1M3216-501 CERATEC 3216M
		L803	6210TCE001G	HH-1M3216-501 CERATEC 3216M

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		L1401	6210TCE001G	HH-1M3216-501 CERATEC 3216M
		L1509	6210TCE001G	HH-1M3216-501 CERATEC 3216M
		L1510	6210TCE001G	HH-1M3216-501 CERATEC 3216M
		L1511	6210TCE001G	HH-1M3216-501 CERATEC 3216M
		L1618	6210TCE001G	HH-1M3216-501 CERATEC 3216M
		L1622	6210TCE001G	HH-1M3216-501 CERATEC 3216M
		L1626	6210TCE001G	HH-1M3216-501 CERATEC 3216M
		L1701	6210TCE001G	HH-1M3216-501 CERATEC 3216M
		L1702	6210TCE001G	HH-1M3216-501 CERATEC 3216M
		L1703	6210TCE001G	HH-1M3216-501 CERATEC 3216M
		L1704	6210TCE001G	HH-1M3216-501 CERATEC 3216M
		L1705	6210TCE001G	HH-1M3216-501 CERATEC 3216M
		L1706	6210TCE001G	HH-1M3216-501 CERATEC 3216M
		L1707	6210TCE001G	HH-1M3216-501 CERATEC 3216M
		L1708	6210TCE001G	HH-1M3216-501 CERATEC 3216M
		R1506	6210TCE001A	HB-1S2012-080JT CERATEC 201
		R1507	6210TCE001A	HB-1S2012-080JT CERATEC 201
		R1508	6210TCE001A	HB-1S2012-080JT CERATEC 201
		R1509	6210TCE001A	HB-1S2012-080JT CERATEC 201
		R1510	6210TCE001A	HB-1S2012-080JT CERATEC 201
		R1511	6210TCE001A	HB-1S2012-080JT CERATEC 201
TRANSISTOR				
		Q1401	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC -
		Q1402	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC -
		Q401	0TR150400BA	CHIP 2SA1504S(ASY) BK KEC -
		Q501	0TR102009AG	CHIP KRC102S KEC TP SOT-23
		Q901	0TR102008AA	KRA102S R/TP KEC SOT23 CHIP
		Q1701	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC -
		Q1702	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC -
		Q1703	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC -
		Q201	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC -
		Q202	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC -
		Q203	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC -
		Q402	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC -
		Q403	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC -
		Q404	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC -
		Q405	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC -
		Q406	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC -
		Q601	0TR830009BA	BSS83 TP PHILIPS NON N-CHAN
		Q602	0TR830009BA	BSS83 TP PHILIPS NON N-CHAN
		Q801	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC -
		Q802	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC -
		Q803	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC -
		Q805	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC -
		Q902	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC -
		Q903	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC -
		IC1402	0TF492509AA	SI4925DY TP TEMIC 30V 6.1A
RESISTORS				
		AR1001	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/T
		AR1002	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/T
		AR1003	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/T
		AR1004	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/T
		AR1005	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/T
		AR1006	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/T
		AR1007	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/T
		AR1008	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/T
		AR1009	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/T
		AR1010	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/T

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*S	*AL	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
		AR1011	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/T
		AR1012	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/T
		AR1401	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/T
		AR1402	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/T
		AR901	0RRZVTA001C	4.7K OHM 1 / 16 W 1608 5% R
		AR902	0RRZVTA001C	4.7K OHM 1 / 16 W 1608 5% R
		R310	0RN1002F409	10K OHM 1/6 W 1.00% TA52
		L401	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		L403	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		L405	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		L407	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		L409	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		L410	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R100	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R101	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R1012	0RH0222D622	22 OHM 1 / 10 W 2012 5.00%
		R1018	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R102	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R1020	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R1028	0RH0222D622	22 OHM 1 / 10 W 2012 5.00%
		R1029	0RH0222D622	22 OHM 1 / 10 W 2012 5.00%
		R1042	0RH4701D622	4.7K OHM 1 / 10 W 2012 5.00
		R1044	0RH4701D622	4.7K OHM 1 / 10 W 2012 5.00
		R1045	0RH4701D622	4.7K OHM 1 / 10 W 2012 5.00
		R1046	0RH4701D622	4.7K OHM 1 / 10 W 2012 5.00
		R1047	0RH4701D622	4.7K OHM 1 / 10 W 2012 5.00
		R1055	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R1056	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R1057	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R1058	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R1402	0RH1001D622	1K OHM 1 / 10 W 2012 5.00%
		R1404	0RH1001D622	1K OHM 1 / 10 W 2012 5.00%
		R1405	0RH1001D622	1K OHM 1 / 10 W 2012 5.00%
		R1406	0RH1002D622	10K OHM 1 / 10 W 2012 5.00%
		R145	0RH1002D622	10K OHM 1 / 10 W 2012 5.00%
		R1501	0RH1000D622	100 OHM 1 / 10 W 2012 5.00%
		R1502	0RH1000D622	100 OHM 1 / 10 W 2012 5.00%
		R151	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R1512	0RH4701D622	4.7K OHM 1 / 10 W 2012 5.00
		R1513	0RH4701D622	4.7K OHM 1 / 10 W 2012 5.00
		R1514	0RH4701D622	4.7K OHM 1 / 10 W 2012 5.00
		R152	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R153	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R154	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R156	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R1601	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R1604	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R1605	0RH1001D622	1K OHM 1 / 10 W 2012 5.00%
		R1606	0RH1001D622	1K OHM 1 / 10 W 2012 5.00%
		R167	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R169	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R1701	0RH0512D622	51 OHM 1 / 10 W 2012 5.00%
		R1703	0RH0512D622	51 OHM 1 / 10 W 2012 5.00%
		R1705	0RH0512D622	51 OHM 1 / 10 W 2012 5.00%
		R1707	0RH4701D622	4.7K OHM 1 / 10 W 2012 5.00
		R1708	0RH4701D622	4.7K OHM 1 / 10 W 2012 5.00
		R1709	0RH4701D622	4.7K OHM 1 / 10 W 2012 5.00
		R171	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R1720	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R1724	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R1727	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R1730	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D

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*S	*AL	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
		R1732	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R182	0RH0752D622	75 OHM 1 / 10 W 2012 5.00%
		R184	0RH0752D622	75 OHM 1 / 10 W 2012 5.00%
		R219	0RH1002D622	10K OHM 1 / 10 W 2012 5.00%
		R220	0RH2002D622	20K OHM 1 / 10 W 2012 5.00%
		R221	0RH1002D622	10K OHM 1 / 10 W 2012 5.00%
		R222	0RH2002D622	20K OHM 1 / 10 W 2012 5.00%
		R223	0RH1002D622	10K OHM 1 / 10 W 2012 5.00%
		R224	0RH2002D622	20K OHM 1 / 10 W 2012 5.00%
		R237	0RH0102D622	10 OHM 1 / 10 W 2012 5.00%
		R238	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R239	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R240	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R244	0RH0222D622	22 OHM 1 / 10 W 2012 5.00%
		R247	0RH0222D622	22 OHM 1 / 10 W 2012 5.00%
		R250	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R263	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R264	0RH0222D622	22 OHM 1 / 10 W 2012 5.00%
		R265	0RH0222D622	22 OHM 1 / 10 W 2012 5.00%
		R277	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R304	0RH4700D622	470 OHM 1 / 10 W 2012 5.00%
		R305	0RH1000D622	100 OHM 1 / 10 W 2012 5.00%
		R306	0RH1000D622	100 OHM 1 / 10 W 2012 5.00%
		R321	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R329	0RH0822D622	82 OHM 1 / 10 W 2012 5.00%
		R330	0RH0822D622	82 OHM 1 / 10 W 2012 5.00%
		R352	0RH0222D622	22 OHM 1 / 10 W 2012 5.00%
		R353	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R354	0RH1001D622	1K OHM 1 / 10 W 2012 5.00%
		R370	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R371	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R372	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R373	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R374	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R406	0RH0222D622	22 OHM 1 / 10 W 2012 5.00%
		R409	0RH4701D622	4.7K OHM 1 / 10 W 2012 5.00
		R410	0RH1000D622	100 OHM 1 / 10 W 2012 5.00%
		R423	0RH4701D622	4.7K OHM 1 / 10 W 2012 5.00
		R460	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R463	0RH1001D622	1K OHM 1 / 10 W 2012 5.00%
		R466	0RH0222D622	22 OHM 1 / 10 W 2012 5.00%
		R479	0RH0222D622	22 OHM 1 / 10 W 2012 5.00%
		R483	0RH0222D622	22 OHM 1 / 10 W 2012 5.00%
		R486	0RH0222D622	22 OHM 1 / 10 W 2012 5.00%
		R495	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R496	0RH0222D622	22 OHM 1 / 10 W 2012 5.00%
		R498	0RH0222D622	22 OHM 1 / 10 W 2012 5.00%
		R499	0RH0222D622	22 OHM 1 / 10 W 2012 5.00%
		R500	0RH0222D622	22 OHM 1 / 10 W 2012 5.00%
		R502	0RH1001D622	1K OHM 1 / 10 W 2012 5.00%
		R503	0RH0222D622	22 OHM 1 / 10 W 2012 5.00%
		R504	0RH0222D622	22 OHM 1 / 10 W 2012 5.00%
		R505	0RH0222D622	22 OHM 1 / 10 W 2012 5.00%
		R506	0RH0222D622	22 OHM 1 / 10 W 2012 5.00%
		R507	0RH0222D622	22 OHM 1 / 10 W 2012 5.00%
		R601	0RH1001D622	1K OHM 1 / 10 W 2012 5.00%
		R604	0RH4701D622	4.7K OHM 1 / 10 W 2012 5.00
		R606	0RH0222D622	22 OHM 1 / 10 W 2012 5.00%
		R609	0RH4701D622	4.7K OHM 1 / 10 W 2012 5.00
		R613	0RH4701D622	4.7K OHM 1 / 10 W 2012 5.00
		R615	0RH2401D622	2.4K OHM 1 / 10 W 2012 5.00
		R617	0RH4701D622	4.7K OHM 1 / 10 W 2012 5.00

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*S	*AL	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
		R625	ORH1001D622	1K OHM 1 / 10 W 2012 5.00%
		R630	ORH2001D622	2K OHM 1 / 10 W 2012 5.00%
		R636	ORH1002D622	10K OHM 1 / 10 W 2012 5.00%
		R638	ORH2201D622	2.2K OHM 1 / 10 W 2012 5.00
		R639	ORH2201D622	2.2K OHM 1 / 10 W 2012 5.00
		R645	ORH2201D622	2.2K OHM 1 / 10 W 2012 5.00
		R647	ORH2201D622	2.2K OHM 1 / 10 W 2012 5.00
		R649	ORH2201D622	2.2K OHM 1 / 10 W 2012 5.00
		R651	ORH2201D622	2.2K OHM 1 / 10 W 2012 5.00
		R658	ORH4701D622	4.7K OHM 1 / 10 W 2012 5.00
		R664	ORH4701D622	4.7K OHM 1 / 10 W 2012 5.00
		R666	ORH4702D622	4.7K OHM 1 / 10 W 2012 5.00%
		R675	ORH4701D622	4.7K OHM 1 / 10 W 2012 5.00
		R676	ORH4701D622	4.7K OHM 1 / 10 W 2012 5.00
		R707	ORH4701D622	4.7K OHM 1 / 10 W 2012 5.00
		R719	ORH3901D622	3.9K OHM 1 / 10 W 2012 5.00
		R720	ORH3901D622	3.9K OHM 1 / 10 W 2012 5.00
		R724	ORH1001D622	1K OHM 1 / 10 W 2012 5.00%
		R725	ORH3301D622	3.3K OHM 1 / 10 W 2012 5.00
		R726	ORH0222D622	22 OHM 1 / 10 W 2012 5.00%
		R727	ORH0222D622	22 OHM 1 / 10 W 2012 5.00%
		R728	ORH4701D622	4.7K OHM 1 / 10 W 2012 5.00
		R729	ORH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R730	ORH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R731	ORH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R741	ORH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R760	ORH4701D622	4.7K OHM 1 / 10 W 2012 5.00
		R763	ORH4701D622	4.7K OHM 1 / 10 W 2012 5.00
		R769	ORH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R819	ORH0222D622	22 OHM 1 / 10 W 2012 5.00%
		R820	ORH0222D622	22 OHM 1 / 10 W 2012 5.00%
		R821	ORH0222D622	22 OHM 1 / 10 W 2012 5.00%
		R822	ORH0222D622	22 OHM 1 / 10 W 2012 5.00%
		R823	ORH2201D622	2.2K OHM 1 / 10 W 2012 5.00
		R824	ORH2201D622	2.2K OHM 1 / 10 W 2012 5.00
		R825	ORH2201D622	2.2K OHM 1 / 10 W 2012 5.00
		R826	ORH2201D622	2.2K OHM 1 / 10 W 2012 5.00
		R850	ORH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R851	ORH0222D622	22 OHM 1 / 10 W 2012 5.00%
		R883	ORH4701D622	4.7K OHM 1 / 10 W 2012 5.00
		R885	ORH4701D622	4.7K OHM 1 / 10 W 2012 5.00
		R887	ORH4701D622	4.7K OHM 1 / 10 W 2012 5.00
		R892	ORH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R893	ORH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R903	ORH4701D622	4.7K OHM 1 / 10 W 2012 5.00
		R906	ORH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R907	ORH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R914	ORH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R920	ORH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R951	ORH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R952	ORH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R953	ORH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R957	ORH4701D622	4.7K OHM 1 / 10 W 2012 5.00
		R958	ORH4701D622	4.7K OHM 1 / 10 W 2012 5.00
		R961	ORH1201D622	1.2K OHM 1 / 10 W 2012 5.00
		R962	ORH4702D622	4.7K OHM 1 / 10 W 2012 5.00%
		R965	ORH4701D622	4.7K OHM 1 / 10 W 2012 5.00
		R967	ORH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R970	ORH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R986	ORH4702D622	4.7K OHM 1 / 10 W 2012 5.00%
		R990	ORH6801D622	6.8K OHM 1 / 10 W 2012 5.00
		AR601	ORJ0000C605	0 OHM 1/16 W 5% 1608 ARRAY

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*S	*AL	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
		AR602	ORJ0000C605	0 OHM 1/16 W 5% 1608 ARRAY
		AR603	ORJ0000C605	0 OHM 1/16 W 5% 1608 ARRAY
		AR604	ORJ0000C605	0 OHM 1/16 W 5% 1608 ARRAY
		AR605	ORJ0000C605	0 OHM 1/16 W 5% 1608 ARRAY
		AR606	ORJ0000C605	0 OHM 1/16 W 5% 1608 ARRAY
		C219	ORJ4700D677	470 OHM 1/10 W 5% 1608 R/TP
		R1	ORJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R1010	ORJ0222D677	22 OHM 1/10 W 5% 1608 R/TP
		R1011	ORJ0222D677	22 OHM 1/10 W 5% 1608 R/TP
		R1015	ORJ0222D677	22 OHM 1/10 W 5% 1608 R/TP
		R1016	ORJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R1021	ORJ0222D677	22 OHM 1/10 W 5% 1608 R/TP
		R1022	ORJ0222D677	22 OHM 1/10 W 5% 1608 R/TP
		R1023	ORJ0222D677	22 OHM 1/10 W 5% 1608 R/TP
		R1024	ORJ0222D677	22 OHM 1/10 W 5% 1608 R/TP
		R1025	ORJ0222D677	22 OHM 1/10 W 5% 1608 R/TP
		R1026	ORJ0222D677	22 OHM 1/10 W 5% 1608 R/TP
		R1027	ORJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R103	ORJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R104	ORJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R1048	ORJ4701D677	4.7K OHM 1/10 W 5% 1608 R/T
		R105	ORJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R107	ORJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R108	ORJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R109	ORJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R110	ORJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R111	ORJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R112	ORJ1001D677	1K OHM 1/10 W 5% 1608 R/TP
		R117	ORJ4702D677	47000 OHM 1/10 W 5% 1608 R/
		R119	ORJ4702D677	47000 OHM 1/10 W 5% 1608 R/
		R120	ORJ1002D677	10K OHM 1/10 W 5% 1608 R/TP
		R125	ORJ0752D677	75 OHM 1/10 W 5% 1608 R/TP
		R126	ORJ0752D677	75 OHM 1/10 W 5% 1608 R/TP
		R1403	ORJ1001D677	1K OHM 1/10 W 5% 1608 R/TP
		R1407	ORJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R1408	ORJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R1409	ORJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R1410	ORJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R1412	ORJ0222D677	22 OHM 1/10 W 5% 1608 R/TP
		R1413	ORJ0222D677	22 OHM 1/10 W 5% 1608 R/TP
		R143	ORJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R1503	ORJ1000D677	100 OHM 1/10 W 5% 1608 R/TP
		R1504	ORJ1000D677	100 OHM 1/10 W 5% 1608 R/TP
		R1505	ORJ1000D677	100 OHM 1/10 W 5% 1608 R/TP
		R1702	ORJ2700D677	270 OHM 1/10 W 5% 1608 R/TP
		R1704	ORJ2700D677	270 OHM 1/10 W 5% 1608 R/TP
		R1706	ORJ2700D677	270 OHM 1/10 W 5% 1608 R/TP
		R1710	ORJ6801D677	6800 OHM 1/10 W 5% 1608 R/T
		R1711	ORJ6801D677	6800 OHM 1/10 W 5% 1608 R/T
		R1712	ORJ6801D677	6800 OHM 1/10 W 5% 1608 R/T
		R1714	ORJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R1715	ORJ1000D677	100 OHM 1/10 W 5% 1608 R/TP
		R1717	ORJ1000D677	100 OHM 1/10 W 5% 1608 R/TP
		R1728	ORJ1000D677	100 OHM 1/10 W 5% 1608 R/TP
		R1729	ORJ1000D677	100 OHM 1/10 W 5% 1608 R/TP
		R173	ORJ0331D677	3.3 OHM 1/10 W 5% 1608 R/TP
		R1731	ORJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R174	ORJ0331D677	3.3 OHM 1/10 W 5% 1608 R/TP
		R175	ORJ0331D677	3.3 OHM 1/10 W 5% 1608 R/TP
		R176	ORJ0331D677	3.3 OHM 1/10 W 5% 1608 R/TP
		R177	ORJ0331D677	3.3 OHM 1/10 W 5% 1608 R/TP
		R178	ORJ0331D677	3.3 OHM 1/10 W 5% 1608 R/TP

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*S	*AL	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
		R1806	ORJ0222D677	22 OHM 1/10 W 5% 1608 R/TP
		R1807	ORJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R183	ORJ1001D677	1K OHM 1/10 W 5% 1608 R/TP
		R186	ORJ0331D677	3.3 OHM 1/10 W 5% 1608 R/TP
		R187	ORJ0331D677	3.3 OHM 1/10 W 5% 1608 R/TP
		R190	ORJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R191	ORJ4700D677	470 OHM 1/10 W 5% 1608 R/TP
		R192	ORJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R193	ORJ4700D677	470 OHM 1/10 W 5% 1608 R/TP
		R194	ORJ1002D677	10K OHM 1/10 W 5% 1608 R/TP
		R197	ORJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R205	ORJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R206	ORJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R207	ORJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R216	ORJ4700D677	470 OHM 1/10 W 5% 1608 R/TP
		R225	ORJ3300D677	330 OHM 1/10 W 5% 1608 R/TP
		R226	ORJ3300D677	330 OHM 1/10 W 5% 1608 R/TP
		R227	ORJ3300D677	330 OHM 1/10 W 5% 1608 R/TP
		R228	ORJ0222D677	22 OHM 1/10 W 5% 1608 R/TP
		R229	ORJ0222D677	22 OHM 1/10 W 5% 1608 R/TP
		R230	ORJ0222D677	22 OHM 1/10 W 5% 1608 R/TP
		R231	ORJ0752D677	75 OHM 1/10 W 5% 1608 R/TP
		R232	ORJ0752D677	75 OHM 1/10 W 5% 1608 R/TP
		R233	ORJ0752D677	75 OHM 1/10 W 5% 1608 R/TP
		R234	ORJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R235	ORJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R236	ORJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R241	ORJ2001D677	2K OHM 1/10 W 5% 1608 R/TP
		R242	ORJ0331D677	3.3 OHM 1/10 W 5% 1608 R/TP
		R243	ORJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R245	ORJ0222D677	22 OHM 1/10 W 5% 1608 R/TP
		R246	ORJ0222D677	22 OHM 1/10 W 5% 1608 R/TP
		R248	ORJ0222D677	22 OHM 1/10 W 5% 1608 R/TP
		R249	ORJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R260	ORJ4700D677	470 OHM 1/10 W 5% 1608 R/TP
		R268	ORJ1001D677	1K OHM 1/10 W 5% 1608 R/TP
		R269	ORJ1001D677	1K OHM 1/10 W 5% 1608 R/TP
		R270	ORJ1001D677	1K OHM 1/10 W 5% 1608 R/TP
		R271	ORJ1001D677	1K OHM 1/10 W 5% 1608 R/TP
		R272	ORJ4701D677	4.7K OHM 1/10 W 5% 1608 R/T
		R273	ORJ1002D677	10K OHM 1/10 W 5% 1608 R/TP
		R274	ORJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R275	ORJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R276	ORJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R278	ORJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R279	ORJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R280	ORJ4700D677	470 OHM 1/10 W 5% 1608 R/TP
		R301	ORJ0822D677	82 OHM 1/10 W 5% 1608 R/TP
		R302	ORJ0822D677	82 OHM 1/10 W 5% 1608 R/TP
		R303	ORJ0822D677	82 OHM 1/10 W 5% 1608 R/TP
		R307	ORJ0752D677	75 OHM 1/10 W 5% 1608 R/TP
		R308	ORJ0752D677	75 OHM 1/10 W 5% 1608 R/TP
		R309	ORJ1502D677	15K OHM 1/10 W 5% 1608 R/TP
		R311	ORJ1201D677	1200 OHM 1/10 W 5% 1608 R/T
		R313	ORJ0752D677	75 OHM 1/10 W 5% 1608 R/TP
		R315	ORJ4701D677	4.7K OHM 1/10 W 5% 1608 R/T
		R316	ORJ0752D677	75 OHM 1/10 W 5% 1608 R/TP
		R317	ORJ0822D677	82 OHM 1/10 W 5% 1608 R/TP
		R318	ORJ4701D677	4.7K OHM 1/10 W 5% 1608 R/T
		R319	ORJ0822D677	82 OHM 1/10 W 5% 1608 R/TP
		R320	ORJ0822D677	82 OHM 1/10 W 5% 1608 R/TP
		R327	ORJ4700D677	470 OHM 1/10 W 5% 1608 R/TP

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*S	*AL	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
		R328	ORJ4700D677	470 OHM 1/10 W 5% 1608 R/TP
		R331	ORJ4700D677	470 OHM 1/10 W 5% 1608 R/TP
		R332	ORJ0822D677	82 OHM 1/10 W 5% 1608 R/TP
		R333	ORJ0822D677	82 OHM 1/10 W 5% 1608 R/TP
		R334	ORJ0822D677	82 OHM 1/10 W 5% 1608 R/TP
		R335	ORJ0822D677	82 OHM 1/10 W 5% 1608 R/TP
		R336	ORJ0822D677	82 OHM 1/10 W 5% 1608 R/TP
		R340	ORJ0822D677	82 OHM 1/10 W 5% 1608 R/TP
		R341	ORJ0822D677	82 OHM 1/10 W 5% 1608 R/TP
		R342	ORJ0822D677	82 OHM 1/10 W 5% 1608 R/TP
		R355	ORJ0222D677	22 OHM 1/10 W 5% 1608 R/TP
		R356	ORJ1000D677	100 OHM 1/10 W 5% 1608 R/TP
		R357	ORJ1000D677	100 OHM 1/10 W 5% 1608 R/TP
		R358	ORJ1000D677	100 OHM 1/10 W 5% 1608 R/TP
		R359	ORJ1000D677	100 OHM 1/10 W 5% 1608 R/TP
		R360	ORJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R361	ORJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R362	ORJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R363	ORJ2701D677	2.7K OHM 1/10 W 5% 1608 R/T
		R364	ORJ0222D677	22 OHM 1/10 W 5% 1608 R/TP
		R365	ORJ0222D677	22 OHM 1/10 W 5% 1608 R/TP
		R366	ORJ0222D677	22 OHM 1/10 W 5% 1608 R/TP
		R367	ORJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R368	ORJ0222D677	22 OHM 1/10 W 5% 1608 R/TP
		R369	ORJ0222D677	22 OHM 1/10 W 5% 1608 R/TP
		R401	ORJ1001D677	1K OHM 1/10 W 5% 1608 R/TP
		R403	ORJ1001D677	1K OHM 1/10 W 5% 1608 R/TP
		R404	ORJ1000D677	100 OHM 1/10 W 5% 1608 R/TP
		R405	ORJ1000D677	100 OHM 1/10 W 5% 1608 R/TP
		R407	ORJ0332D677	33 OHM 1/10 W 5% 1608 R/TP
		R408	ORJ1004D677	1000000 OHM 1/10 W 5% 1608
		R411	ORJ0222D677	22 OHM 1/10 W 5% 1608 R/TP
		R412	ORJ0222D677	22 OHM 1/10 W 5% 1608 R/TP
		R413	ORJ0222D677	22 OHM 1/10 W 5% 1608 R/TP
		R414	ORJ0472D677	47 OHM 1/10 W 5% 1608 R/TP
		R415	ORJ2001D677	2K OHM 1/10 W 5% 1608 R/TP
		R417	ORJ1002D677	10K OHM 1/10 W 5% 1608 R/TP
		R418	ORJ1002D677	10K OHM 1/10 W 5% 1608 R/TP
		R419	ORJ1002D677	10K OHM 1/10 W 5% 1608 R/TP
		R420	ORJ1002D677	10K OHM 1/10 W 5% 1608 R/TP
		R421	ORJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R422	ORJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R451	ORJ3900D677	390 OHM 1/10 W 5% 1608 R/TP
		R453	ORJ1001D677	1K OHM 1/10 W 5% 1608 R/TP
		R455	ORJ1001D677	1K OHM 1/10 W 5% 1608 R/TP
		R458	ORJ1001D677	1K OHM 1/10 W 5% 1608 R/TP
		R459	ORJ1001D677	1K OHM 1/10 W 5% 1608 R/TP
		R461	ORJ1001D677	1K OHM 1/10 W 5% 1608 R/TP
		R465	ORJ0222D677	22 OHM 1/10 W 5% 1608 R/TP
		R467	ORJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R469	ORJ1001D677	1K OHM 1/10 W 5% 1608 R/TP
		R470	ORJ3900D677	390 OHM 1/10 W 5% 1608 R/TP
		R471	ORJ1000D677	100 OHM 1/10 W 5% 1608 R/TP
		R472	ORJ1001D677	1K OHM 1/10 W 5% 1608 R/TP
		R473	ORJ1001D677	1K OHM 1/10 W 5% 1608 R/TP
		R474	ORJ1001D677	1K OHM 1/10 W 5% 1608 R/TP
		R475	ORJ1001D677	1K OHM 1/10 W 5% 1608 R/TP
		R476	ORJ4701D677	4.7K OHM 1/10 W 5% 1608 R/T
		R477	ORJ4701D677	4.7K OHM 1/10 W 5% 1608 R/T
		R478	ORJ1001D677	1K OHM 1/10 W 5% 1608 R/TP
		R480	ORJ4701D677	4.7K OHM 1/10 W 5% 1608 R/T
		R481	ORJ0222D677	22 OHM 1/10 W 5% 1608 R/TP

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*S	*AL	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
		R482	0RJ0222D677	22 OHM 1/10 W 5% 1608 R/TP
		R484	0RJ3000D677	300 OHM 1/10 W 5% 1608 R/TP
		R485	0RJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R487	0RJ0222D677	22 OHM 1/10 W 5% 1608 R/TP
		R488	0RJ0222D677	22 OHM 1/10 W 5% 1608 R/TP
		R489	0RJ0222D677	22 OHM 1/10 W 5% 1608 R/TP
		R490	0RJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R491	0RJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R492	0RJ0222D677	22 OHM 1/10 W 5% 1608 R/TP
		R493	0RJ0222D677	22 OHM 1/10 W 5% 1608 R/TP
		R494	0RJ0222D677	22 OHM 1/10 W 5% 1608 R/TP
		R497	0RJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R501	0RJ0222D677	22 OHM 1/10 W 5% 1608 R/TP
		R508	0RJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R511	0RJ0752D677	75 OHM 1/10 W 5% 1608 R/TP
		R602	0RJ3300D677	330 OHM 1/10 W 5% 1608 R/TP
		R603	0RJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R605	0RJ1001D677	1K OHM 1/10 W 5% 1608 R/TP
		R608	0RJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R610	0RJ1000D677	100 OHM 1/10 W 5% 1608 R/TP
		R612	0RJ1000D677	100 OHM 1/10 W 5% 1608 R/TP
		R614	0RJ1000D677	100 OHM 1/10 W 5% 1608 R/TP
		R616	0RJ1000D677	100 OHM 1/10 W 5% 1608 R/TP
		R618	0RJ1000D677	100 OHM 1/10 W 5% 1608 R/TP
		R619	0RJ1000D677	100 OHM 1/10 W 5% 1608 R/TP
		R620	0RJ1000D677	100 OHM 1/10 W 5% 1608 R/TP
		R621	0RJ3300D677	330 OHM 1/10 W 5% 1608 R/TP
		R623	0RJ1000D677	100 OHM 1/10 W 5% 1608 R/TP
		R624	0RJ1000D677	100 OHM 1/10 W 5% 1608 R/TP
		R626	0RJ1001D677	1K OHM 1/10 W 5% 1608 R/TP
		R627	0RJ1004D677	1000000 OHM 1/10 W 5% 1608 R/TP
		R628	0RJ1001D677	1K OHM 1/10 W 5% 1608 R/TP
		R629	0RJ2001D677	2K OHM 1/10 W 5% 1608 R/TP
		R631	0RJ1000D677	100 OHM 1/10 W 5% 1608 R/TP
		R632	0RJ2001D677	2K OHM 1/10 W 5% 1608 R/TP
		R633	0RJ6202D677	62K OHM 1/10 W 5% 1608 R/TP
		R634	0RJ2201D677	2200 OHM 1/10 W 5% 1608 R/TP
		R635	0RJ1000D677	100 OHM 1/10 W 5% 1608 R/TP
		R637	0RJ1000D677	100 OHM 1/10 W 5% 1608 R/TP
		R640	0RJ1000D677	100 OHM 1/10 W 5% 1608 R/TP
		R641	0RJ1000D677	100 OHM 1/10 W 5% 1608 R/TP
		R642	0RJ1000D677	100 OHM 1/10 W 5% 1608 R/TP
		R646	0RJ1000D677	100 OHM 1/10 W 5% 1608 R/TP
		R648	0RJ1000D677	100 OHM 1/10 W 5% 1608 R/TP
		R650	0RJ1000D677	100 OHM 1/10 W 5% 1608 R/TP
		R652	0RJ1000D677	100 OHM 1/10 W 5% 1608 R/TP
		R653	0RJ1000D677	100 OHM 1/10 W 5% 1608 R/TP
		R654	0RJ1000D677	100 OHM 1/10 W 5% 1608 R/TP
		R655	0RJ1000D677	100 OHM 1/10 W 5% 1608 R/TP
		R657	0RJ1000D677	100 OHM 1/10 W 5% 1608 R/TP
		R659	0RJ1000D677	100 OHM 1/10 W 5% 1608 R/TP
		R665	0RJ0222D677	22 OHM 1/10 W 5% 1608 R/TP
		R667	0RJ1000D677	100 OHM 1/10 W 5% 1608 R/TP
		R668	0RJ1000D677	100 OHM 1/10 W 5% 1608 R/TP
		R672	0RJ1000D677	100 OHM 1/10 W 5% 1608 R/TP
		R677	0RJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R702	0RJ0222D677	22 OHM 1/10 W 5% 1608 R/TP
		R703	0RJ0222D677	22 OHM 1/10 W 5% 1608 R/TP
		R704	0RJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R705	0RJ0222D677	22 OHM 1/10 W 5% 1608 R/TP
		R706	0RJ0222D677	22 OHM 1/10 W 5% 1608 R/TP
		R708	0RJ0222D677	22 OHM 1/10 W 5% 1608 R/TP

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*S	*AL	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
		R709	0RJ0332D677	33 OHM 1/10 W 5% 1608 R/TP
		R710	0RJ0332D677	33 OHM 1/10 W 5% 1608 R/TP
		R711	0RJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R712	0RJ0222D677	22 OHM 1/10 W 5% 1608 R/TP
		R713	0RJ1000D677	100 OHM 1/10 W 5% 1608 R/TP
		R714	0RJ0222D677	22 OHM 1/10 W 5% 1608 R/TP
		R715	0RJ0222D677	22 OHM 1/10 W 5% 1608 R/TP
		R716	0RJ0222D677	22 OHM 1/10 W 5% 1608 R/TP
		R717	0RJ0222D677	22 OHM 1/10 W 5% 1608 R/TP
		R718	0RJ0222D677	22 OHM 1/10 W 5% 1608 R/TP
		R721	0RJ2001D677	2K OHM 1/10 W 5% 1608 R/TP
		R722	0RJ4701D677	4.7K OHM 1/10 W 5% 1608 R/TP
		R732	0RJ0222D677	22 OHM 1/10 W 5% 1608 R/TP
		R733	0RJ0222D677	22 OHM 1/10 W 5% 1608 R/TP
		R734	0RJ0222D677	22 OHM 1/10 W 5% 1608 R/TP
		R736	0RJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R738	0RJ4701D677	4.7K OHM 1/10 W 5% 1608 R/TP
		R739	0RJ0222D677	22 OHM 1/10 W 5% 1608 R/TP
		R740	0RJ0222D677	22 OHM 1/10 W 5% 1608 R/TP
		R744	0RJ0222D677	22 OHM 1/10 W 5% 1608 R/TP
		R745	0RJ2001D677	2K OHM 1/10 W 5% 1608 R/TP
		R748	0RJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R753	0RJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R754	0RJ4701D677	4.7K OHM 1/10 W 5% 1608 R/TP
		R757	0RJ4701D677	4.7K OHM 1/10 W 5% 1608 R/TP
		R758	0RJ4701D677	4.7K OHM 1/10 W 5% 1608 R/TP
		R759	0RJ4701D677	4.7K OHM 1/10 W 5% 1608 R/TP
		R761	0RJ0222D677	22 OHM 1/10 W 5% 1608 R/TP
		R762	0RJ0102D677	10 OHM 1/10 W 5% 1608 R/TP
		R767	0RJ3901D677	3.9K OHM 1/10 W 5% 1608 R/TP
		R770	0RJ0102D677	10 OHM 1/10 W 5% 1608 R/TP
		R773	0RJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R801	0RJ0222D677	22 OHM 1/10 W 5% 1608 R/TP
		R802	0RJ0222D677	22 OHM 1/10 W 5% 1608 R/TP
		R803	0RJ0222D677	22 OHM 1/10 W 5% 1608 R/TP
		R804	0RJ0222D677	22 OHM 1/10 W 5% 1608 R/TP
		R805	0RJ4701D677	4.7K OHM 1/10 W 5% 1608 R/TP
		R806	0RJ4701D677	4.7K OHM 1/10 W 5% 1608 R/TP
		R807	0RJ4701D677	4.7K OHM 1/10 W 5% 1608 R/TP
		R808	0RJ4702D677	47000 OHM 1/10 W 5% 1608 R/TP
		R809	0RJ4702D677	47000 OHM 1/10 W 5% 1608 R/TP
		R810	0RJ4702D677	47000 OHM 1/10 W 5% 1608 R/TP
		R815	0RJ0222D677	22 OHM 1/10 W 5% 1608 R/TP
		R817	0RJ0222D677	22 OHM 1/10 W 5% 1608 R/TP
		R818	0RJ0222D677	22 OHM 1/10 W 5% 1608 R/TP
		R827	0RJ1602D677	16K OHM 1/10 W 5% 1608 R/TP
		R828	0RJ1002D677	10K OHM 1/10 W 5% 1608 R/TP
		R829	0RJ4702D677	47000 OHM 1/10 W 5% 1608 R/TP
		R830	0RJ4702D677	47000 OHM 1/10 W 5% 1608 R/TP
		R831	0RJ4702D677	47000 OHM 1/10 W 5% 1608 R/TP
		R832	0RJ4702D677	47000 OHM 1/10 W 5% 1608 R/TP
		R833	0RJ4702D677	47000 OHM 1/10 W 5% 1608 R/TP
		R834	0RJ4702D677	47000 OHM 1/10 W 5% 1608 R/TP
		R835	0RJ4702D677	47000 OHM 1/10 W 5% 1608 R/TP
		R836	0RJ4702D677	47000 OHM 1/10 W 5% 1608 R/TP
		R837	0RJ0222D677	22 OHM 1/10 W 5% 1608 R/TP
		R838	0RJ0222D677	22 OHM 1/10 W 5% 1608 R/TP
		R839	0RJ0222D677	22 OHM 1/10 W 5% 1608 R/TP
		R841	0RJ0222D677	22 OHM 1/10 W 5% 1608 R/TP
		R842	0RJ0222D677	22 OHM 1/10 W 5% 1608 R/TP
		R844	0RJ0222D677	22 OHM 1/10 W 5% 1608 R/TP
		R845	0RJ0222D677	22 OHM 1/10 W 5% 1608 R/TP

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*S	*AL	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
		R846	0RJ0222D677	22 OHM 1/10 W 5% 1608 R/TP
		R847	0RJ6202D677	62K OHM 1/10 W 5% 1608 R/TP
		R848	0RJ0222D677	22 OHM 1/10 W 5% 1608 R/TP
		R849	0RJ0222D677	22 OHM 1/10 W 5% 1608 R/TP
		R852	0RJ0222D677	22 OHM 1/10 W 5% 1608 R/TP
		R853	0RJ0222D677	22 OHM 1/10 W 5% 1608 R/TP
		R854	0RJ0222D677	22 OHM 1/10 W 5% 1608 R/TP
		R855	0RJ0222D677	22 OHM 1/10 W 5% 1608 R/TP
		R856	0RJ0222D677	22 OHM 1/10 W 5% 1608 R/TP
		R857	0RJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R858	0RJ0222D677	22 OHM 1/10 W 5% 1608 R/TP
		R859	0RJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R860	0RJ0222D677	22 OHM 1/10 W 5% 1608 R/TP
		R861	0RJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R862	0RJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R863	0RJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R864	0RJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R866	0RJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R867	0RJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R868	0RJ0222D677	22 OHM 1/10 W 5% 1608 R/TP
		R870	0RJ1002D677	10K OHM 1/10 W 5% 1608 R/TP
		R872	0RJ0222D677	22 OHM 1/10 W 5% 1608 R/TP
		R873	0RJ0222D677	22 OHM 1/10 W 5% 1608 R/TP
		R874	0RJ1001D677	1K OHM 1/10 W 5% 1608 R/TP
		R877	0RJ1001D677	1K OHM 1/10 W 5% 1608 R/TP
		R879	0RJ1001D677	1K OHM 1/10 W 5% 1608 R/TP
		R881	0RJ1001D677	1K OHM 1/10 W 5% 1608 R/TP
		R884	0RJ4701D677	4.7K OHM 1/10 W 5% 1608 R/T
		R888	0RJ4701D677	4.7K OHM 1/10 W 5% 1608 R/T
		R889	0RJ0222D677	22 OHM 1/10 W 5% 1608 R/TP
		R890	0RJ0222D677	22 OHM 1/10 W 5% 1608 R/TP
		R891	0RJ0222D677	22 OHM 1/10 W 5% 1608 R/TP
		R894	0RJ0222D677	22 OHM 1/10 W 5% 1608 R/TP
		R895	0RJ0222D677	22 OHM 1/10 W 5% 1608 R/TP
		R896	0RJ0222D677	22 OHM 1/10 W 5% 1608 R/TP
		R897	0RJ0222D677	22 OHM 1/10 W 5% 1608 R/TP
		R898	0RJ0222D677	22 OHM 1/10 W 5% 1608 R/TP
		R899	0RJ0222D677	22 OHM 1/10 W 5% 1608 R/TP
		R901	0RJ6201D677	6.2K OHM 1/10 W 5% 1608 R/T
		R902	0RJ6201D677	6.2K OHM 1/10 W 5% 1608 R/T
		R904	0RJ2201D677	2200 OHM 1/10 W 5% 1608 R/T
		R905	0RJ2201D677	2200 OHM 1/10 W 5% 1608 R/T
		R921	0RJ4701D677	4.7K OHM 1/10 W 5% 1608 R/T
		R922	0RJ4701D677	4.7K OHM 1/10 W 5% 1608 R/T
		R923	0RJ4701D677	4.7K OHM 1/10 W 5% 1608 R/T
		R924	0RJ4701D677	4.7K OHM 1/10 W 5% 1608 R/T
		R926	0RJ4701D677	4.7K OHM 1/10 W 5% 1608 R/T
		R930	0RJ3300D677	330 OHM 1/10 W 5% 1608 R/TP
		R931	0RJ1001D677	1K OHM 1/10 W 5% 1608 R/TP
		R933	0RJ1000D677	100 OHM 1/10 W 5% 1608 R/TP
		R934	0RJ4701D677	4.7K OHM 1/10 W 5% 1608 R/T
		R939	0RJ4701D677	4.7K OHM 1/10 W 5% 1608 R/T
		R954	0RJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R955	0RJ1500D677	150 OHM 1/10 W 5% 1608 R/TP
		R956	0RJ1500D677	150 OHM 1/10 W 5% 1608 R/TP
		R959	0RJ1002D677	10K OHM 1/10 W 5% 1608 R/TP
		R960	0RJ1002D677	10K OHM 1/10 W 5% 1608 R/TP
		R964	0RJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R966	0RJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R968	0RJ0222D677	22 OHM 1/10 W 5% 1608 R/TP
		R969	0RJ0222D677	22 OHM 1/10 W 5% 1608 R/TP
		R975	0RJ0000D677	0 OHM 1/10 W 5% 1608 R/TP

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*S	*AL	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
		R976	0RJ0222D677	22 OHM 1/10 W 5% 1608 R/TP
		R977	0RJ0222D677	22 OHM 1/10 W 5% 1608 R/TP
		R978	0RJ0222D677	22 OHM 1/10 W 5% 1608 R/TP
		R979	0RJ0222D677	22 OHM 1/10 W 5% 1608 R/TP
		R981	0RJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R983	0RJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R984	0RJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R987	0RJ2700D677	270 OHM 1/10 W 5% 1608 R/TP
		R988	0RJ6801D677	6800 OHM 1/10 W 5% 1608 R/T
		R989	0RJ2700D677	270 OHM 1/10 W 5% 1608 R/TP
		R991	0RJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
OTHERS				
		DL1601	0DL233309AC	SAM2333 TP KWANG GREEN/RED
		DL1602	0DL233309AC	SAM2333 TP KWANG GREEN/RED
		X1001	6204B60001B	VCXO BUBANG 27MHZ +/- 100 P
		X201	6202VDB007B	HC49U SUNNY RADIAL 20.250MH
		X301	6202VDB007B	HC49U SUNNY RADIAL 20.250MH
		X402	6212AB3004D	CSALF2M69G4ZF01-A3 MURATA 2
		X401	6212AB2015A	HC-49/SM4H BUBANG 4MHZ +/-
		X601	6212AB2845A	ABLS-27.000MHZ-16-B-4Y-F-T
		X801	6202VDT002D	SX-1SMD SUNNY RADIAL 8.0MHZ
		X901	6212AB2015E	HC-49/SM BUBANG 10.0MHZ +/-
		IC801	381-204B	42PIN(1.78-15.24AMMON)
		SW1101	6600VR1004A	SKHMPW 5P CHIP TACT J-ALPS
FRONT BOARD				
		SW1201	6600R00001B	JTP1289 JEIL 12V DC 1MA VER
		SW1202	6600R00001B	JTP1289 JEIL 12V DC 1MA VER
		SW1203	6600R00001B	JTP1289 JEIL 12V DC 1MA VER
		SW1204	6600R00001B	JTP1289 JEIL 12V DC 1MA VER
		SW1205	6600R00001B	JTP1289 JEIL 12V DC 1MA VER
		SW1206	6600R00001B	JTP1289 JEIL 12V DC 1MA VER
		SW1207	6600R00001B	JTP1289 JEIL 12V DC 1MA VER
		SW1208	6600R00001B	JTP1289 JEIL 12V DC 1MA VER
		C2102	0CH5181K416	180PF 50V 5% NP0 2012 R/TP
		C2103	0RH0822D622	82 OHM 1 / 10 W 2012 5.00%
		C2104	0CH5331K416	330PF 50V 5% NP0 2012 R/TP
		L2101	0RH0822D622	82 OHM 1 / 10 W 2012 5.00%
		L2102	6200JB8010L	MLB-201209-1000L-N2 MAG LAY
		L2104	6210TCE001A	HB-1S2012-080JT CERATEC 201
		L2105	6210TCE001A	HB-1S2012-080JT CERATEC 201
		R2101	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R2102	0RH0752D622	75 OHM 1 / 10 W 2012 5.00%
		R2103	0RH0822D622	82 OHM 1 / 10 W 2012 5.00%
		R2104	0RH0752D622	75 OHM 1 / 10 W 2012 5.00%
		R2105	0RH0752D622	75 OHM 1 / 10 W 2012 5.00%
		R2107	0RH4703D622	470K OHM 1 / 10 W 2012 5.00
		R2110	0RH4703D622	470K OHM 1 / 10 W 2012 5.00
		ZD1201	0DZ510009EE	UDZ S 5.1B TP ROHM-K SOD323
		ZD1202	0DZ510009EE	UDZ S 5.1B TP ROHM-K SOD323
		ZD1203	0DZ510009EE	UDZ S 5.1B TP ROHM-K SOD323
		ZD1204	0DZ510009EE	UDZ S 5.1B TP ROHM-K SOD323
		ZD1205	0DZ510009EE	UDZ S 5.1B TP ROHM-K SOD323
		ZD1206	0DZ510009EE	UDZ S 5.1B TP ROHM-K SOD323
		ZD2101	0DZ510009EE	UDZ S 5.1B TP ROHM-K SOD323
		ZD2102	0DZ510009EE	UDZ S 5.1B TP ROHM-K SOD323
		ZD2103	0DZ510009EE	UDZ S 5.1B TP ROHM-K SOD323

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INDEX BOARD				
		C1210	OCE3363F618	"33UF SRE,SE 16V 20% FL TP 5"
		C1211	OCE3363F618	"33UF SRE,SE 16V 20% FL TP 5"
		C1212	OCE3363F618	"33UF SRE,SE 16V 20% FL TP 5"
		C1214	OCE3363F618	"33UF SRE,SE 16V 20% FL TP 5"
		L1201	0LA0102K119	10UH K 2.3*3.4 TP
		L1202	0LA0102K119	10UH K 2.3*3.4 TP
		R1272	0RD1000F609	100 OHM 1/6 W 5% TA52
		C1201	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C1202	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C1203	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C1204	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C1205	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C1206	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C1207	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C1208	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C1216	0CH6100K116	10PF 2012 50V 0.5 PF C0G R/
		C1217	0CH6100K116	10PF 2012 50V 0.5 PF C0G R/
		IC1201	0IPRP00533A	"UPD16311GC-AB6-A,LF NEC 52P-PB FREE
		IC1201	0INE163110A	"UPD16311GC-AB6 FIP DRIV 52P-PB FREE SOLDERING
		IC1202	0IKE657830B	KID65783AF 20PIN SOP TRAY T
		IC1203	0IMI623200B	"M62320FP,I/O EXPANDER 16P S"
		L1205	6210TCE001A	HB-1S2012-080JT CERATEC 201
		L1206	6210TCE001A	HB-1S2012-080JT CERATEC 201
		L1207	0LC1032101A	10UH 10% 3216 R/TC FI-C3216
		L1208	6210TCE001S	HU-1M2012-121 CERATECH 2012
		L1210	0LC1032101A	10UH 10% 3216 R/TC FI-C3216
		L1211	6210TCE001S	HU-1M2012-121 CERATECH 2012
		L1212	6210TCE001S	HU-1M2012-121 CERATECH 2012
		Q1201	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC -
		Q1202	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC -
		Q1203	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC -
		Q1204	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC -
		Q1205	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC -
		Q1206	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC -
		Q1207	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC -
		Q1208	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC -
		Q1210	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC -
		Q1211	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC -
		Q1212	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC -
		R1201	0RH4701D622	4.7K OHM 1 / 10 W 2012 5.00
		R1202	0RH4701D622	4.7K OHM 1 / 10 W 2012 5.00
		R1203	0RH2202D622	22K OHM 1 / 10 W 2012 5.00%
		R1204	0RH4701D622	4.7K OHM 1 / 10 W 2012 5.00
		R1205	0RH0392D622	39 OHM 1 / 10 W 2012 5.00%
		R1206	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R1207	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R1208	0RH5100D622	510 OHM 1 / 10 W 2012 5.00%
		R1210	0RH2200D622	220 OHM 1 / 10 W 2012 5.00%
		R1211	0RH2200D622	220 OHM 1 / 10 W 2012 5.00%
		R1212	0RH2200D622	220 OHM 1 / 10 W 2012 5.00%
		R1213	0RH1000D622	100 OHM 1 / 10 W 2012 5.00%
		R1214	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R1215	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R1216	0RH0392D622	39 OHM 1 / 10 W 2012 5.00%
		R1217	0RH2202D622	22K OHM 1 / 10 W 2012 5.00%
		R1218	0RH1000D622	100 OHM 1 / 10 W 2012 5.00%
		R1220	0RH1000D622	100 OHM 1 / 10 W 2012 5.00%
		R1221	0RH0392D622	39 OHM 1 / 10 W 2012 5.00%
		R1222	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R1226	0RH4701D622	4.7K OHM 1 / 10 W 2012 5.00
		R1227	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D

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		R1228	0RH0392D622	39 OHM 1 / 10 W 2012 5.00%
		R1229	0RH2200D622	220 OHM 1 / 10 W 2012 5.00%
		R1230	0RH0392D622	39 OHM 1 / 10 W 2012 5.00%
		R1231	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R1232	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R1233	0RH2200D622	220 OHM 1 / 10 W 2012 5.00%
		R1234	0RH2200D622	220 OHM 1 / 10 W 2012 5.00%
		R1235	0RH4701D622	4.7K OHM 1 / 10 W 2012 5.00
		R1236	0RH0392D622	39 OHM 1 / 10 W 2012 5.00%
		R1237	0RH4701D622	4.7K OHM 1 / 10 W 2012 5.00
		R1238	0RH1500D622	150 OHM 1 / 10 W 2012 5.00%
		R1239	0RH1000D622	100 OHM 1 / 10 W 2012 5.00%
		R1240	0RH1000D622	100 OHM 1 / 10 W 2012 5.00%
		R1241	0RH1000D622	100 OHM 1 / 10 W 2012 5.00%
		R1242	0RH4701D622	4.7K OHM 1 / 10 W 2012 5.00
		R1243	0RH4701D622	4.7K OHM 1 / 10 W 2012 5.00
		R1244	0RH1000D622	100 OHM 1 / 10 W 2012 5.00%
		R1245	0RH1000D622	100 OHM 1 / 10 W 2012 5.00%
		R1246	0RH1000D622	100 OHM 1 / 10 W 2012 5.00%
		R1247	0RH1000D622	100 OHM 1 / 10 W 2012 5.00%
		R1248	0RH1000D622	100 OHM 1 / 10 W 2012 5.00%
		R1249	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R1250	0RH0392D622	39 OHM 1 / 10 W 2012 5.00%
		R1251	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R1252	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R1253	0RH0392D622	39 OHM 1 / 10 W 2012 5.00%
		R1254	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R1255	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R1256	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R1257	0RH4701D622	4.7K OHM 1 / 10 W 2012 5.00
		R1258	0RH4701D622	4.7K OHM 1 / 10 W 2012 5.00
		R1259	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R1260	0RH4701D622	4.7K OHM 1 / 10 W 2012 5.00
		R1261	0RH4701D622	4.7K OHM 1 / 10 W 2012 5.00
		R1262	0RH1500D622	150 OHM 1 / 10 W 2012 5.00%
		R1263	0RH4701D622	4.7K OHM 1 / 10 W 2012 5.00
		R1264	0RH2200D622	220 OHM 1 / 10 W 2012 5.00%
		R1265	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R1266	0RH4701D622	4.7K OHM 1 / 10 W 2012 5.00
		R1267	0RH1500D622	150 OHM 1 / 10 W 2012 5.00%
		R1268	0RH4701D622	4.7K OHM 1 / 10 W 2012 5.00
		R1271	0RH1001D622	1K OHM 1 / 10 W 2012 5.00%
		R1275	0RH3302D622	33K OHM 1 / 10 W 2012 5.00%
		R1276	0RH4701D622	4.7K OHM 1 / 10 W 2012 5.00
		R1277	0RH1000D622	100 OHM 1 / 10 W 2012 5.00%
		R1278	0RH1000D622	100 OHM 1 / 10 W 2012 5.00%
		R1279	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R1280	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R1281	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R1282	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R1283	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R1284	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R1285	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R1286	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R1288	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		IC1204	6301T00006D	YANGWOO LED ASSEMBLY PAL(ID
SIDE BOARD				
		L5101	6210TCE001A	HB-1S2012-080JT CERATEC 201
		L5102	6210TCE001A	HB-1S2012-080JT CERATEC 201
		R5101	0RH0822D622	82 OHM 1 / 10 W 2012 5.00%

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		R5102	0RH0822D622	82 OHM 1 / 10 W 2012 5.00%
		R5103	0RH0822D622	82 OHM 1 / 10 W 2012 5.00%
		R5104	0RH4703D622	470K OHM 1 / 10 W 2012 5.00
		R5105	0RH4703D622	470K OHM 1 / 10 W 2012 5.00
		R5106	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R5107	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R5108	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R5109	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R5110	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		ZD5104	0DR050008AA	SD05.TC R/TP SEMTECH SOD323
		ZD5105	0DR050008AA	SD05.TC R/TP SEMTECH SOD323
TUNER BOARD				
		C102	0CH5270K416	27PF 50V 5% NP0 2012 R/TP
		C103	0CH2103K666	0.01UF 50V 20% X7R 2012 R/T
		C107	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C109	0CH2103K666	0.01UF 50V 20% X7R 2012 R/T
		C110	0CH5270K416	27PF 50V 5% NP0 2012 R/TP
		C113	0CH2103K666	0.01UF 50V 20% X7R 2012 R/T
		C116	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C118	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C120	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C122	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C123	0CH2103K666	0.01UF 50V 20% X7R 2012 R/T
		C125	0CH2103K666	0.01UF 50V 20% X7R 2012 R/T
		C129	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C130	0CH2103K666	0.01UF 50V 20% X7R 2012 R/T
		C132	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C134	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C136	0CH3104K566	0.1UF 50V 10% X7R 2012 R/TP
		C137	0CH2103K666	0.01UF 50V 20% X7R 2012 R/T
		D101	0DS226009AA	KDS226 TP KEC - 80V - - 4NS
		D102	0DS226009AA	KDS226 TP KEC - 80V - - 4NS
		L101	6210TCE001G	HH-1M3216-501 CERATEC 3216M
		L102	6210TCE001G	HH-1M3216-501 CERATEC 3216M
		L106	6210TCE001G	HH-1M3216-501 CERATEC 3216M
		L107	6210TCE001G	HH-1M3216-501 CERATEC 3216M
		Q104	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC -
		Q105	0TR150400BA	CHIP 2SA1504S(ASY) BK KEC -
		Q107	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC -
		R111	0RH0102D622	10 OHM 1 / 10 W 2012 5.00%
		R112	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R113	0RH2201D622	2.2K OHM 1 / 10 W 2012 5.00
		R114	0RH4701D622	4.7K OHM 1 / 10 W 2012 5.00
		R117	0RH1001D622	1K OHM 1 / 10 W 2012 5.00%
		R118	0RH1002D622	10K OHM 1 / 10 W 2012 5.00%
		R124	0RH2700D622	270 OHM 1 / 10 W 2012 5.00%
		R125	0RH2200D622	220 OHM 1 / 10 W 2012 5.00%
		R140	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R143	0RH3300D622	330 OHM 1 / 10 W 2012 5.00%
		R144	0RH1001D622	1K OHM 1 / 10 W 2012 5.00%
		R145	0RH4701D622	4.7K OHM 1 / 10 W 2012 5.00
		R147	0RH1002D622	10K OHM 1 / 10 W 2012 5.00%
		R151	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		R152	0RH0000D622	0 OHM 1 / 10 W 2012 5.00% D
		TU101	6700MF0012A	TAUM-W101P LGIT MULTI FS PH
		TU102	6700DF0001A	TDFB-Z205P LG INOTEK DIGITA
		AR101	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/T
		AR102	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/T
		AR103	0RRZVTA001D	22 OHM 1 / 16 W 1608 5% R/T
		C104	0CE475VK6DC	4.7UF MV 50V 20% R/TP(SMD)

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		C105	0CE475VK6DC	4.7UF MV 50V 20% R/TP(SMD)
		C106	0CE476SF6DC	47UF MVG 16V 20% SMD R/TP
		C117	0CE227SF6DC	220UF MVG 16V 20% R/TP(SMD)
		C119	0CE227SF6DC	220UF MVG 16V 20% R/TP(SMD)
		C121	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C124	0CK103CK51A	0.01UF 1608 50V 10% R/TP B(
		C126	0CE107SF6DC	100UF MVG 16V 20% SMD R/TP
		C131	0CE107SF6DC	100UF MVG 16V 20% SMD R/TP
		C133	0CE476SF6DC	47UF MVG 16V 20% SMD R/TP
		C135	0CE476SF6DC	47UF MVG 16V 20% SMD R/TP
		C139	0CE477SF6DC	470UF MVG 16V 20% R/TP(SMD)
		C140	0CE477SF6DC	470UF MVG 16V 20% R/TP(SMD)
		C142	0CE477SF6DC	470UF MVG 16V 20% R/TP(SMD)
		C144	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD)
		C145	0CC101CK41A	100PF 1608 50V 5% R/TP NP0
		IC101	0IPMGKE030A	KIA78R05F KEC 5PIN DPAK R/T
		IC102	0IMCRSJ001A	SC15651ST-1.8 SEMTECH 3P SO
		L103	6210TCE001G	HH-1M3216-501 CERATEC 3216M
		L104	6210TCE001G	HH-1M3216-501 CERATEC 3216M
		L105	6210TCE001G	HH-1M3216-501 CERATEC 3216M
		LED101	0DL233309AC	SAM2333 TP KWANG GREEN/RED
		P102	6630VE00731	10022HS-31A02 YEONHO 31P 1.
		Q102	0TR150400BA	CHIP 2SA1504S(ASY) BK KEC -
		Q103	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC -
		Q106	0TR150400BA	CHIP 2SA1504S(ASY) BK KEC -
		R102	0RJ1000D677	100 OHM 1/10 W 5% 1608 R/TP
		R103	0RJ1000D677	100 OHM 1/10 W 5% 1608 R/TP
		R115	0RJ1000D677	100 OHM 1/10 W 5% 1608 R/TP
		R116	0RJ0102D677	10 OHM 1/10 W 5% 1608 R/TP
		R121	0RJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R122	0RJ4701D677	4.7K OHM 1/10 W 5% 1608 R/T
		R123	0RJ1002D677	10K OHM 1/10 W 5% 1608 R/TP
		R126	0RJ2200D677	220 OHM 1/10 W 5% 1608 R/TP
		R127	0RJ4700D677	470 OHM 1/10 W 5% 1608 R/TP
		R135	0RJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R136	0RJ0222D677	22 OHM 1/10 W 5% 1608 R/TP
		R137	0RJ0222D677	22 OHM 1/10 W 5% 1608 R/TP
		R138	0RJ0222D677	22 OHM 1/10 W 5% 1608 R/TP
		R146	0RJ3300D677	330 OHM 1/10 W 5% 1608 R/TP
EPF BOARD				
		AR110	0RHZTCZ001D	RCA SMART 220OHM 1/16 W 5% 3
		AR111	0RHZTCZ001D	RCA SMART 220OHM 1/16 W 5% 3
		C101	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C102	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C103	0CH6150K416	15PF 2012 50V 5% NP0 R/TP
		C104	0CH6150K416	15PF 2012 50V 5% NP0 R/TP
		C105	0CH6150K416	15PF 2012 50V 5% NP0 R/TP
		C106	0CH6150K416	15PF 2012 50V 5% NP0 R/TP
		C107	0CK102CK56A	1000PF 1608 50V 0.1 R/TP X7
		C108	0CK103CK51A	0.01UF 1608 50V 10% R/TP B(
		C109	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C110	0CK103CK51A	0.01UF 1608 50V 10% R/TP B(
		C111	0CH3222K516	2200PF 2012 50V 10% B(Y5P)
		C112	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C113	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C114	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C115	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C117	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C118	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C119	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R

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		C120	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C121	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C122	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C123	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C124	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C126	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C127	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C130	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C131	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C132	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C135	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C137	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C138	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C139	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C140	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C141	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C146	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C148	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C149	0CK103CK51A	0.01UF 1608 50V 10% R/TP B(
		C150	0CK103CK51A	0.01UF 1608 50V 10% R/TP B(
		C159	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C163	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C164	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C165	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C166	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C167	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C168	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C169	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C170	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C171	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C172	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C173	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C174	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C180	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C181	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C182	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C183	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C184	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C185	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C186	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C187	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C188	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C189	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C190	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C191	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C192	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C193	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C194	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C195	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C196	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C197	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C198	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C199	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C202	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C207	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C208	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C209	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C210	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C212	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C231	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C232	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C233	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R

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*S	*AL	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
		C234	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C235	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C237	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C240	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C245	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C247	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C248	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C303	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		IC109	0IMMRHY038E	"HY57V561620CTP-H,LF HYNIX 5"
		IC116	0ISTL00002A	SN74CBTLV3257DGVR TEXAS INS
		IC118	0ISTL00002A	SN74CBTLV3257DGVR TEXAS INS
		IC119	0ISTL00002A	SN74CBTLV3257DGVR TEXAS INS
		L112	0LC2000005H	"FI-B2012-472,4.7UH CERATECH"
		Q103	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC -
		Q104	0TFON80009A	"NTS2101PT1G,P-CHANNEL,PB FR"
		Q105	0TFON80004C	"NTR4501NT1G,N-CHANNEL,PB FR"
		R102	0RJ0222D677	22 OHM 1/10 W 5% 1608 R/TP
		R104	0RJ0222D677	22 OHM 1/10 W 5% 1608 R/TP
		R107	0RJ1000D677	100 OHM 1/10 W 5% 1608 R/TP
		R108	0RJ1000D677	100 OHM 1/10 W 5% 1608 R/TP
		R109	0RJ1002D677	10K OHM 1/10 W 5% 1608 R/TP
		R111	0RJ4701D677	4.7K OHM 1/10 W 5% 1608 R/T
		R112	0RJ1002D677	10K OHM 1/10 W 5% 1608 R/TP
		R118	0RJ2701D677	2.7K OHM 1/10 W 5% 1608 R/T
		R119	0RJ1002D677	10K OHM 1/10 W 5% 1608 R/TP
		R120	0RJ1002D677	10K OHM 1/10 W 5% 1608 R/TP
		R122	0RJ1002D677	10K OHM 1/10 W 5% 1608 R/TP
		R125	0RJ1002D677	10K OHM 1/10 W 5% 1608 R/TP
		R126	0RJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R130	0RJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R132	0RJ1000D677	100 OHM 1/10 W 5% 1608 R/TP
		R142	0RJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R143	0RJ1002D677	10K OHM 1/10 W 5% 1608 R/TP
		R144	0RJ1002D677	10K OHM 1/10 W 5% 1608 R/TP
		R157	0RJ4702D677	47000 OHM 1/10 W 5% 1608 R/
		R158	0RJ4702D677	47000 OHM 1/10 W 5% 1608 R/
		R161	0RJ1002D677	10K OHM 1/10 W 5% 1608 R/TP
		R162	0RJ1002D677	10K OHM 1/10 W 5% 1608 R/TP
		R165	0RJ1002D677	10K OHM 1/10 W 5% 1608 R/TP
		R168	0RJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R170	0RJ1002D677	10K OHM 1/10 W 5% 1608 R/TP
		R171	0RJ1002D677	10K OHM 1/10 W 5% 1608 R/TP
		R172	0RJ1002D677	10K OHM 1/10 W 5% 1608 R/TP
		R173	0RJ4702D677	47000 OHM 1/10 W 5% 1608 R/
		R174	0RJ4702D677	47000 OHM 1/10 W 5% 1608 R/
		R175	0RJ1002D677	10K OHM 1/10 W 5% 1608 R/TP
		R176	0RJ1002D677	10K OHM 1/10 W 5% 1608 R/TP
		R177	0RJ1002D677	10K OHM 1/10 W 5% 1608 R/TP
		R178	0RJ1002D677	10K OHM 1/10 W 5% 1608 R/TP
		R179	0RJ1002D677	10K OHM 1/10 W 5% 1608 R/TP
		R180	0RJ1002D677	10K OHM 1/10 W 5% 1608 R/TP
		R181	0RJ1002D677	10K OHM 1/10 W 5% 1608 R/TP
		R182	0RJ1002D677	10K OHM 1/10 W 5% 1608 R/TP
		R186	0RJ1002D677	10K OHM 1/10 W 5% 1608 R/TP
		R195	0RJ1002D677	10K OHM 1/10 W 5% 1608 R/TP
		R198	0RJ1002D677	10K OHM 1/10 W 5% 1608 R/TP
		R199	0RJ2203D677	220K OHM 1/10 W 5% 1608 R/T
		R200	0RJ2203D677	220K OHM 1/10 W 5% 1608 R/T
		R201	0RJ1000D677	100 OHM 1/10 W 5% 1608 R/TP
		R202	0RJ1000D677	100 OHM 1/10 W 5% 1608 R/TP
		R206	0RJ0222D677	22 OHM 1/10 W 5% 1608 R/TP
		R207	0RJ0222D677	22 OHM 1/10 W 5% 1608 R/TP

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*S	*AL	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
		R215	0RJ4701D677	4.7K OHM 1/10 W 5% 1608 R/T
		R216	0RJ1002D677	10K OHM 1/10 W 5% 1608 R/TP
		R217	0RJ1002D677	10K OHM 1/10 W 5% 1608 R/TP
		R218	0RJ1002D677	10K OHM 1/10 W 5% 1608 R/TP
		R219	0RJ0472D677	47 OHM 1/10 W 5% 1608 R/TP
		R220	0RJ1002D677	10K OHM 1/10 W 5% 1608 R/TP
		R224	0RJ1002D677	10K OHM 1/10 W 5% 1608 R/TP
		R225	0RJ0472D677	47 OHM 1/10 W 5% 1608 R/TP
		R226	0RJ1002D677	10K OHM 1/10 W 5% 1608 R/TP
		R230	0RJ1002D677	10K OHM 1/10 W 5% 1608 R/TP
		R239	0RJ1002D677	10K OHM 1/10 W 5% 1608 R/TP
		R241	0RJ0222D677	22 OHM 1/10 W 5% 1608 R/TP
		R243	0RJ0222D677	22 OHM 1/10 W 5% 1608 R/TP
		R270	0RJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R272	0RJ1002D677	10K OHM 1/10 W 5% 1608 R/TP
		R273	0RJ1002D677	10K OHM 1/10 W 5% 1608 R/TP
		R274	0RJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R275	0RJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R278	0RJ1002D677	10K OHM 1/10 W 5% 1608 R/TP
		R279	0RJ1002D677	10K OHM 1/10 W 5% 1608 R/TP
		R280	0RJ1002D677	10K OHM 1/10 W 5% 1608 R/TP
		R284	0RJ1002D677	10K OHM 1/10 W 5% 1608 R/TP
		R285	0RJ4702D677	47000 OHM 1/10 W 5% 1608 R/
		R286	0RJ1002D677	10K OHM 1/10 W 5% 1608 R/TP
		R287	0RJ1000D677	100 OHM 1/10 W 5% 1608 R/TP
		R288	0RJ1002D677	10K OHM 1/10 W 5% 1608 R/TP
		R289	0RJ1002D677	10K OHM 1/10 W 5% 1608 R/TP
		R290	0RJ1002D677	10K OHM 1/10 W 5% 1608 R/TP
		R291	0RJ1002D677	10K OHM 1/10 W 5% 1608 R/TP
		R301	0RJ0222D677	22 OHM 1/10 W 5% 1608 R/TP
		R321	0RJ0222D677	22 OHM 1/10 W 5% 1608 R/TP
		R327	0RJ1002D677	10K OHM 1/10 W 5% 1608 R/TP
		R328	0RJ1002D677	10K OHM 1/10 W 5% 1608 R/TP
		R329	0RJ0222D677	22 OHM 1/10 W 5% 1608 R/TP
		AR107	0RHZTCZ001D	RCA SMART 220HM 1/16 W 5% 3
		AR108	0RHZTCZ001D	RCA SMART 220HM 1/16 W 5% 3
		AR109	0RHZTCZ001D	RCA SMART 220HM 1/16 W 5% 3
		AR112	0RHZTCZ001D	RCA SMART 220HM 1/16 W 5% 3
		AR113	0RHZTCZ001D	RCA SMART 220HM 1/16 W 5% 3
		C128	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C129	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C133	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C134	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C136	0CE476WF6DC	47UF MVK 16V 20% R/TP(SMD)
		C145	0CE226VF6DC	22UF MV 16V 20% R/TP(SMD) S
		C147	0CE226VF6DC	22UF MV 16V 20% R/TP(SMD) S
		C151	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C152	0CE226VF6DC	22UF MV 16V 20% R/TP(SMD) S
		C153	0CE476WF6DC	47UF MVK 16V 20% R/TP(SMD)
		C154	0CE476WF6DC	47UF MVK 16V 20% R/TP(SMD)
		C158	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C160	0CE226VF6DC	22UF MV 16V 20% R/TP(SMD) S
		C161	0CE226VF6DC	22UF MV 16V 20% R/TP(SMD) S
		C162	0CE226VF6DC	22UF MV 16V 20% R/TP(SMD) S
		C175	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C176	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C178	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C179	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C200	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C201	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C203	0CE226VF6DC	22UF MV 16V 20% R/TP(SMD) S
		C204	0CE107SF6DC	100UF MVG 16V 20% SMD R/TP

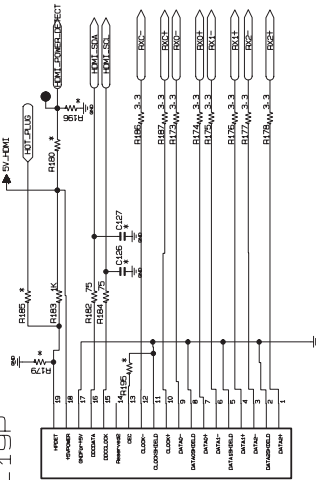
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*S	*AL	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
		C206	0CE226VF6DC	22UF MV 16V 20% R/TP(SMD) S
		C211	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C236	0CE226VF6DC	22UF MV 16V 20% R/TP(SMD) S
		C238	0CE226VF6DC	22UF MV 16V 20% R/TP(SMD) S
		C241	0CE105VK6DC	1UF MV 50V 20% R/TP(SMD) SM
		C243	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C246	0CE105VK6DC	1UF MV 50V 20% R/TP(SMD) SM
		C301	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C304	0CE476WF6DC	47UF MVK 16V 20% R/TP(SMD)
		C305	0CE476WF6DC	47UF MVK 16V 20% R/TP(SMD)
		CARD101	6630C00010B	152-1001005000-CV TAI SOL 68
		CARD102	6630C00012C	149-1110012901 TAI SOL 50P 0
		CN101	6602T12004L	12505WS-12A00 YEONHO 12P 1.
		CN103	6630VF00530	12507WR YEONHO 30P 1.25MM S
		IC101	0IPRPAL005A	"AT76C120-UI-OJZ208,PB FREE"
		IC102	0IZZ9H0004D	"37LP1D-AA EPF IC102 MICRONA-37"
		IC102	0IZZ9H0005D	"42LP1D-AA EPF IC102 MICRONA-42"
		IC103	0TR830009BA	BSS83 TP PHILIPS NON N-CHAN
		IC105	0IPRPPH041A	UDA1334BTS PHILIPS SSOP 16P
		IC106	0TR830009BA	BSS83 TP PHILIPS NON N-CHAN
		IC107	0TRON80020A	"NUS2401SNT1G,PNP/NPN DIGITA"
		IC108	0IPMG51012A	"SC1592ISTRTP,PB FREE SEMTECH"
		IC110	0IMCRSJ001A	SC1565IST-1.8 SEMTECH 3P SO
		IC112	0IMMRAT006B	"EPCS1S18N,PB FREE ALTERA 8P"
		IC113	0IMMRHY033B	"HY57V643220DTP-6,LF HYNIX 8"
		IC114	0IPRPIC016A	"ICS570BLFT(3.3V),PB FREE IC"
		IC115	0IPRPFA014A	"FMS3818KRCX-NL,PB FREE FAIR"
		IC123	0IPMG51012A	"SC1592ISTRTP,PB FREE SEMTECH"
		IC126	0IPRPAT003A	"EP1C4F324C8N,PB FREE ALTERA"
		L102	0LC2000005H	"FI-B2012-472,4.7UH CERATECH"
		L103	6200VJT006A	STC222D NIIGATA 50VOLT 4A 2
		L104	6200VJT006A	STC222D NIIGATA 50VOLT 4A 2
		L110	0LC2000005H	"FI-B2012-472,4.7UH CERATECH"
		L111	0LC2000005H	"FI-B2012-472,4.7UH CERATECH"
		L113	6200QJ3001A	"FILTER,EMI REEL/TAPING BMS4"
		L114	6200QJ3001A	"FILTER,EMI REEL/TAPING BMS4"
		L115	6200QJ3001A	"FILTER,EMI REEL/TAPING BMS4"
		L116	6200QJ3001A	"FILTER,EMI REEL/TAPING BMS4"
		L117	6200QJ3001A	"FILTER,EMI REEL/TAPING BMS4"
		L118	6200QJ3001A	"FILTER,EMI REEL/TAPING BMS4"
		L119	6200QJ3001A	"FILTER,EMI REEL/TAPING BMS4"
		Q102	0TFON80009A	"NTS2101PT1G,P-CHANNEL,PB FR"
		R105	0RJ1002D677	10K OHM 1/10 W 5% 1608 R/TP
		R110	0RJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R115	0RJ1000D677	100 OHM 1/10 W 5% 1608 R/TP
		R123	0RJ1002D677	10K OHM 1/10 W 5% 1608 R/TP
		R128	0RJ2492D477	24.9K OHM 1/10 W 1% 1608 R/
		R140	0RJ1002D677	10K OHM 1/10 W 5% 1608 R/TP
		R147	0RJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R148	0RJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R192	0RJ1002D677	10K OHM 1/10 W 5% 1608 R/TP
		R203	0RJ0222D677	22 OHM 1/10 W 5% 1608 R/TP
		R204	0RJ1002D677	10K OHM 1/10 W 5% 1608 R/TP
		R205	0RJ0222D677	22 OHM 1/10 W 5% 1608 R/TP
		R208	0RJ0222D677	22 OHM 1/10 W 5% 1608 R/TP
		R209	0RJ0222D677	22 OHM 1/10 W 5% 1608 R/TP
		R210	0RJ0222D677	22 OHM 1/10 W 5% 1608 R/TP
		R211	0RJ0222D677	22 OHM 1/10 W 5% 1608 R/TP
		R212	0RJ4701D677	4.7K OHM 1/10 W 5% 1608 R/T
		R213	0RJ4701D677	4.7K OHM 1/10 W 5% 1608 R/T
		R214	0RJ4701D677	4.7K OHM 1/10 W 5% 1608 R/T
		R227	0RJ0222D677	22 OHM 1/10 W 5% 1608 R/TP

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*S	*AL	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
		R228	0RJ0222D677	22 OHM 1/10 W 5% 1608 R/TP
		R229	0RJ0222D677	22 OHM 1/10 W 5% 1608 R/TP
		R240	0RJ0222D677	22 OHM 1/10 W 5% 1608 R/TP
		R242	0RJ0222D677	22 OHM 1/10 W 5% 1608 R/TP
		R246	0RJ0222D677	22 OHM 1/10 W 5% 1608 R/TP
		R248	0RJ0222D677	22 OHM 1/10 W 5% 1608 R/TP
		R249	0RJ0222D677	22 OHM 1/10 W 5% 1608 R/TP
		R250	0RJ0222D677	22 OHM 1/10 W 5% 1608 R/TP
		R253	0RJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R254	0RJ0222D677	22 OHM 1/10 W 5% 1608 R/TP
		R255	0RJ0222D677	22 OHM 1/10 W 5% 1608 R/TP
		R256	0RJ0222D677	22 OHM 1/10 W 5% 1608 R/TP
		R257	0RJ0222D677	22 OHM 1/10 W 5% 1608 R/TP
		R258	0RJ0222D677	22 OHM 1/10 W 5% 1608 R/TP
		R260	0RJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R263	0RJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R264	0RJ1500D677	150 OHM 1/10 W 5% 1608 R/TP
		R265	0RJ2200D677	220 OHM 1/10 W 5% 1608 R/TP
		R266	0RJ1001D677	1K OHM 1/10 W 5% 1608 R/TP
		R267	0RJ1002D677	10K OHM 1/10 W 5% 1608 R/TP
		R268	0RJ1000D677	100 OHM 1/10 W 5% 1608 R/TP
		R271	0RJ1002D677	10K OHM 1/10 W 5% 1608 R/TP
		R276	0RJ0222D677	22 OHM 1/10 W 5% 1608 R/TP
		R300	0RJ0222D677	22 OHM 1/10 W 5% 1608 R/TP
		R302	0RJ0752D677	75 OHM 1/10 W 5% 1608 R/TP
		R303	0RJ0752D677	75 OHM 1/10 W 5% 1608 R/TP
		R304	0RJ0752D677	75 OHM 1/10 W 5% 1608 R/TP
		R306	0RJ3300D677	330 OHM 1/10 W 5% 1608 R/TP
		R308	0RJ0222D677	22 OHM 1/10 W 5% 1608 R/TP
		R316	0RJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R317	0RJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R318	0RJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R320	0RJ1001D677	1K OHM 1/10 W 5% 1608 R/TP
		R322	0RJ1001D677	1K OHM 1/10 W 5% 1608 R/TP
		R323	0RJ9100D677	910 OHM 1/10 W 5% 1608 R/TP
		R324	0RJ2700D677	270 OHM 1/10 W 5% 1608 R/TP
		R325	0RJ3300D677	330 OHM 1/10 W 5% 1608 R/TP
		X101	6202TST003D	HC-49/SM5H KONY CHIP 12 MHZ
		X102	6212AB2015H	HC-49/SM BUBANG 18.5625MHZ
IR BOARD				
		C1000	0CN1010K519	100PF D 50V 10% B(Y5P) TA52
		C1001	0CE475DK618	4.7UF STD 50V 20% FL TP 5
		L1000	0RD1000F609	100 OHM 1/6 W 5% TA52
		R1000	0RD0102F609	10 OHM 1/6 W 5% TA52
		PA1000	6712R1538GG	TSOP2438MQ1 VISHAY 38KHZ DU
LOGO LED & P/SW BOARD				
		LED801	0DLNC0058AA	NICHIA NSCW215T R/TP WHITE
		LED802	0DLNC0058AA	NICHIA NSCW215T R/TP WHITE
		LED803	0DLNC0058AA	NICHIA NSCW215T R/TP WHITE
		LED804	0DLNC0058AA	NICHIA NSCW215T R/TP WHITE
		LED805	0DLNC0058AA	NICHIA NSCW215T R/TP WHITE
		LED806	0DLNC0058AA	NICHIA NSCW215T R/TP WHITE
		LED807	0DLNC0058AA	NICHIA NSCW215T R/TP WHITE
		LED808	0DLNC0058AA	NICHIA NSCW215T R/TP WHITE
		LED809	0DLNC0058AA	NICHIA NSCW215T R/TP WHITE
		LED810	0DLNC0058AA	NICHIA NSCW215T R/TP WHITE
		LED811	0DLNC0058AA	NICHIA NSCW215T R/TP WHITE
		LED812	0DLNC0058AA	NICHIA NSCW215T R/TP WHITE

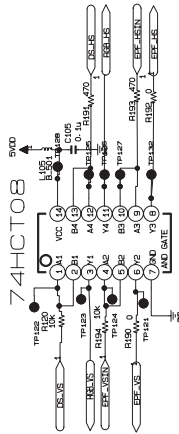
DATE: 2005. 09. 05.				
*S	*AL	LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
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		LED814	0DLNC0058AA	NICHIA NSCW215T R/TP WHITE
		LED815	0DLNC0058AA	NICHIA NSCW215T R/TP WHITE
		LED816	0DLNC0058AA	NICHIA NSCW215T R/TP WHITE
		C3100	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD)
		C3101	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD)
		C3102	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD)
		C3103	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD)
		C3104	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD)
		C3105	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD)
		C3106	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD)
		C3107	0CE106SF6DC	10UF MVG 16V 20% R/TP(SMD)
		C3108	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C3109	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C3110	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C3111	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C3112	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C3113	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C3114	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		C3115	0CK104CK56A	0.1UF 1608 50V 10% R/TP X7R
		Q3101	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC -
		Q3102	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC -
		Q3103	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC -
		Q3104	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC -
		Q3105	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC -
		Q3106	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC -
		Q3107	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC -
		Q3108	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC -
		R3101	0RJ2200D677	220 OHM 1/10 W 5% 1608 R/TP
		R3102	0RJ2200D677	220 OHM 1/10 W 5% 1608 R/TP
		R3103	0RJ2200D677	220 OHM 1/10 W 5% 1608 R/TP
		R3104	0RJ2200D677	220 OHM 1/10 W 5% 1608 R/TP
		R3105	0RJ2200D677	220 OHM 1/10 W 5% 1608 R/TP
		R3106	0RJ2200D677	220 OHM 1/10 W 5% 1608 R/TP
		R3107	0RJ2200D677	220 OHM 1/10 W 5% 1608 R/TP
		R3108	0RJ2200D677	220 OHM 1/10 W 5% 1608 R/TP
		R3109	0RJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R3110	0RJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R3111	0RJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R3112	0RJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R3113	0RJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R3114	0RJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R3115	0RJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R3116	0RJ0000D677	0 OHM 1/10 W 5% 1608 R/TP
		R3120	0RJ2001D677	2K OHM 1/10 W 5% 1608 R/TP

1 INPUT

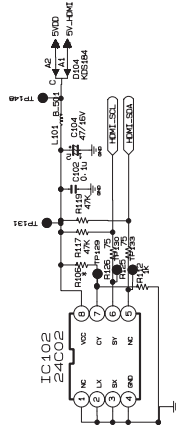
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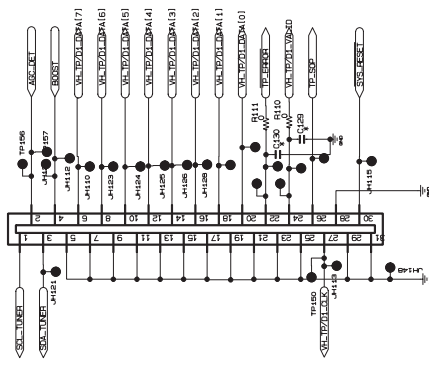
IC103 74HCT08



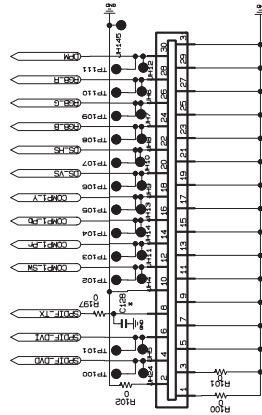
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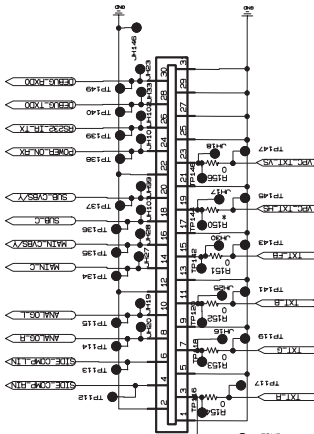
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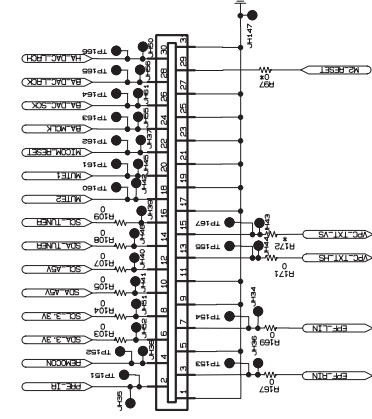
P102B 31PIN



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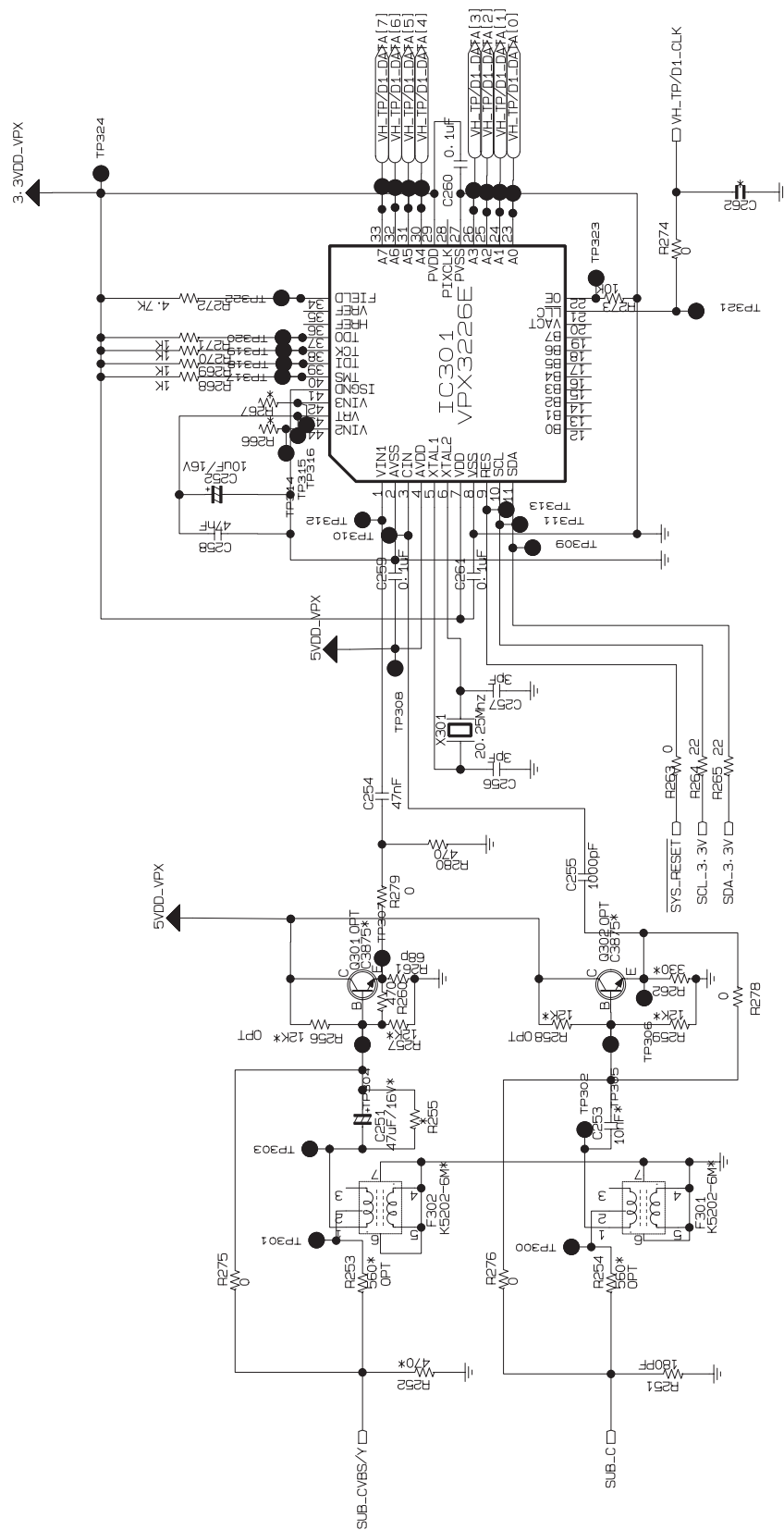
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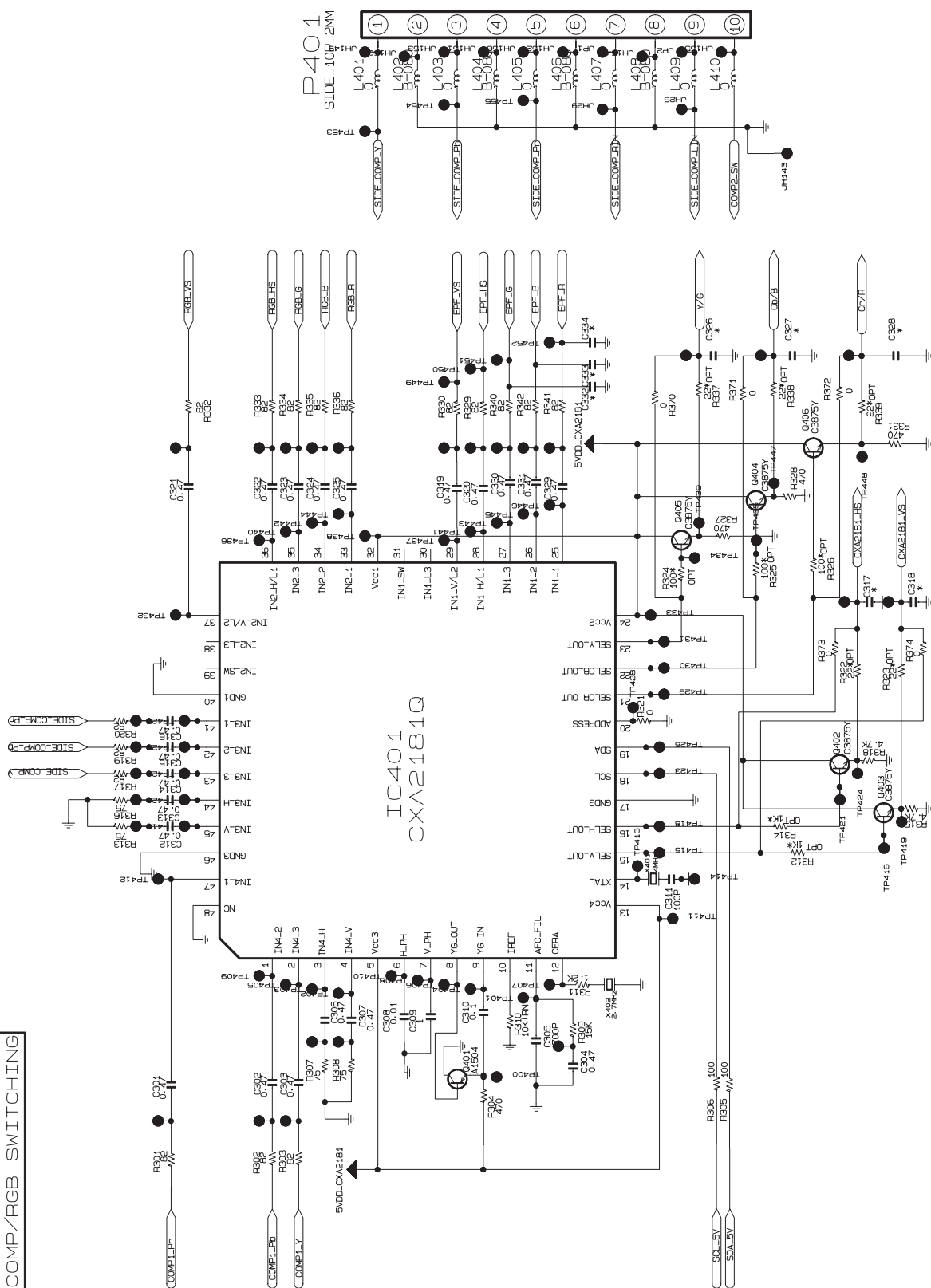
The schematic diagram illustrates the VPC3230D circuit board, centered around the IC201 (VPC3230D). The board is populated with various components, including resistors (R201-R208, R209-R210, R211-R212, R213-R214, R215-R216, R217-R218, R219-R220, R221-R222, R223-R224, R225-R226, R227-R228, R229-R230, R231-R232, R233-R234, R235-R236, R237-R238, R239-R240, R241-R242, R243-R244, R245-R246, R247-R248, R249-R250, R251-R252, R253-R254, R255-R256, R257-R258, R259-R260, R261-R262, R263-R264, R265-R266, R267-R268, R269-R270, R271-R272, R273-R274, R275-R276, R277-R278, R279-R280, R281-R282, R283-R284, R285-R286, R287-R288, R289-R290, R291-R292, R293-R294, R295-R296, R297-R298, R299-R300, R301-R302, R303-R304, R305-R306, R307-R308, R309-R310, R311-R312, R313-R314, R315-R316, R317-R318, R319-R320, R321-R322, R323-R324, R325-R326, R327-R328, R329-R330, R331-R332, R333-R334, R335-R336, R337-R338, R339-R340, R341-R342, R343-R344, R345-R346, R347-R348, R349-R350, R351-R352, R353-R354, R355-R356, R357-R358, R359-R360, R361-R362, R363-R364, R365-R366, R367-R368, R369-R370, R371-R372, R373-R374, R375-R376, R377-R378, R379-R380, R381-R382, R383-R384, R385-R386, R387-R388, R389-R390, R391-R392, R393-R394, R395-R396, R397-R398, R399-R400, R401-R402, R403-R404, R405-R406, R407-R408, R409-R410, R411-R412, R413-R414, R415-R416, R417-R418, R419-R420, R421-R422, R423-R424, R425-R426, R427-R428, R429-R430, R431-R432, R433-R434, R435-R436, R437-R438, R439-R440, R441-R442, R443-R444, R445-R446, R447-R448, R449-R450, R451-R452, R453-R454, R455-R456, R457-R458, R459-R460, R461-R462, R463-R464, R465-R466, R467-R468, R469-R470, R471-R472, R473-R474, R475-R476, R477-R478, R479-R480, R481-R482, R483-R484, R485-R486, R487-R488, R489-R490, R491-R492, R493-R494, R495-R496, R497-R498, R499-R500, R501-R502, R503-R504, R505-R506, R507-R508, R509-R510, R511-R512, R513-R514, R515-R516, R517-R518, R519-R520, R521-R522, R523-R524, R525-R526, R527-R528, R529-R530, R531-R532, R533-R534, R535-R536, R537-R538, R539-R540, R541-R542, R543-R544, R545-R546, R547-R548, R549-R550, R551-R552, R553-R554, R555-R556, R557-R558, R559-R560, R561-R562, R563-R564, R565-R566, R567-R568, R569-R570, R571-R572, R573-R574, R575-R576, R577-R578, R579-R580, R581-R582, R583-R584, R585-R586, R587-R588, R589-R590, R591-R592, R593-R594, R595-R596, R597-R598, R599-R600, R601-R602, R603-R604, R605-R606, R607-R608, R609-R610, R611-R612, R613-R614, R615-R616, R617-R618, R619-R620, R621-R622, R623-R624, R625-R626, R627-R628, R629-R630, R631-R632, R633-R634, R635-R636, R637-R638, R639-R640, R641-R642, R643-R644, R645-R646, R647-R648, R649-R650, R651-R652, R653-R654, R655-R656, R657-R658, R659-R660, R661-R662, R663-R664, R665-R666, R667-R668, R669-R670, R671-R672, R673-R674, R675-R676, R677-R678, R679-R680, R681-R682, R683-R684, R685-R686, R687-R688, R689-R690, R691-R692, R693-R694, R695-R696, R697-R698, R699-R700, R701-R702, R703-R704, R705-R706, R707-R708, R709-R710, R711-R712, R713-R714, R715-R716, R717-R718, R719-R720, R721-R722, R723-R724, R725-R726, R727-R728, R729-R730, R731-R732, R733-R734, R735-R736, R737-R738, R739-R740, R741-R742, R743-R744, R745-R746, R747-R748, R749-R750, R751-R752, R753-R754, R755-R756, R757-R758, R759-R760, R761-R762, R763-R764, R765-R766, R767-R768, R769-R770, R771-R772, R773-R774, R775-R776, R777-R778, R779-R780, R781-R782, R783-R784, R785-R786, R787-R788, R789-R790, R791-R792, R793-R794, R795-R796, R797-R798, R799-R800, R801-R802, R803-R804, R805-R806, R807-R808, R809-R810, R811-R812, R813-R814, R815-R816, R817-R818, R819-R820, R821-R822, R823-R824, R825-R826, R827-R828, R829-R830, R831-R832, R833-R834, R835-R836, R837-R838, R839-R840, R841-R842, R843-R844, R845-R846, R847-R848, R849-R850, R851-R852, R853-R854, R855-R856, R857-R858, R859-R860, R861-R862, R863-R864, R865-R866, R867-R868, R869-R870, R871-R872, R873-R874, R875-R876, R877-R878, R879-R880, R881-R882, R883-R884, R885-R886, R887-R888, R889-R890, R891-R892, R893-R894, R895-R896, R897-R898, R899-R900, R901-R902, R903-R904, R905-R906, R907-R908, R909-R910, R911-R912, R913-R914, R915-R916, R917-R918, R919-R920, R921-R922, R923-R924, R925-R926, R927-R928, R929-R930, R931-R932, R933-R934, R935-R936, R937-R938, R939-R940, R941-R942, R943-R944, R945-R946, R947-R948, R949-R950, R951-R952, R953-R954, R955-R956, R957-R958, R959-R960, R961-R962, R963-R964, R965-R966, R967-R968, R969-R970, R971-R972, R973-R974, R975-R976, R977-R978, R979-R980, R981-R982, R983-R984, R985-R986, R987-R988, R989-R990, R991-R992, R993-R994, R995-R996, R997-R998, R999-R1000, R1001-R1002, R1003-R1004, R1005-R1006, R1007-R1008, R1009-R1010, R1011-R1012, R1013-R1014, R1015-R1016, R1017-R1018, R1019-R1020, R1021-R1022, R1023-R1024, R1025-R1026, R1027-R1028, R1029-R1030, R1031-R1032, R1033-R1034, R1035-R1036, R1037-R1038, R1039-R1040, R1041-R1042, R1043-R1044, R1045-R1046, R1047-R1048, R1049-R1050, R1051-R1052, R1053-R1054, R1055-R1056, R1057-R1058, R1059-R1060, R1061-R1062, R1063-R1064, R1065-R1066, R1067-R1068, R1069-R1070, R1071-R1072, R1073-R1074, R1075-R1076, R1077-R1

- 53 -

#3 SUB VIDEO DECODER



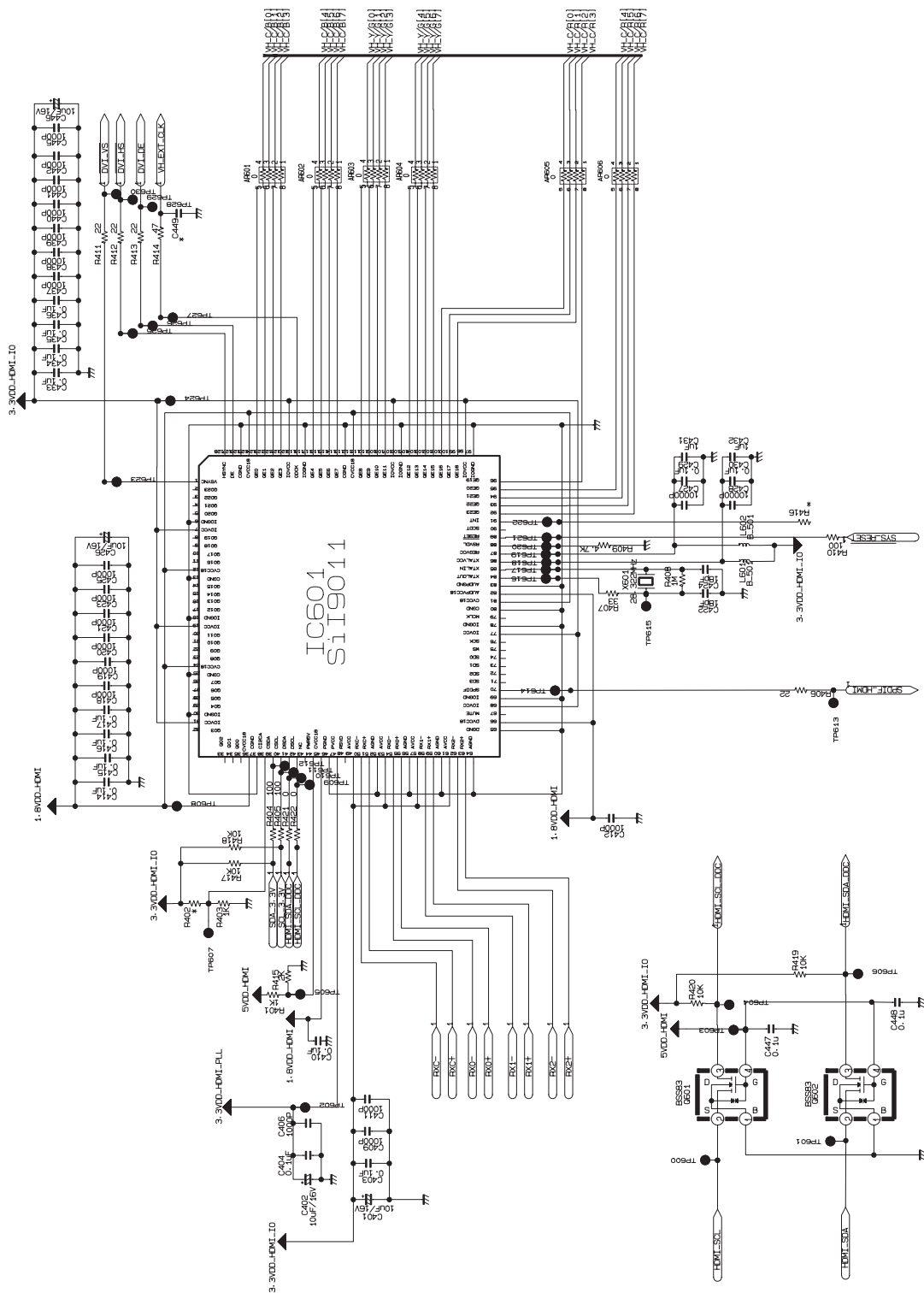
#4 COMP/RGB SWITCHING



5VDD-LPF

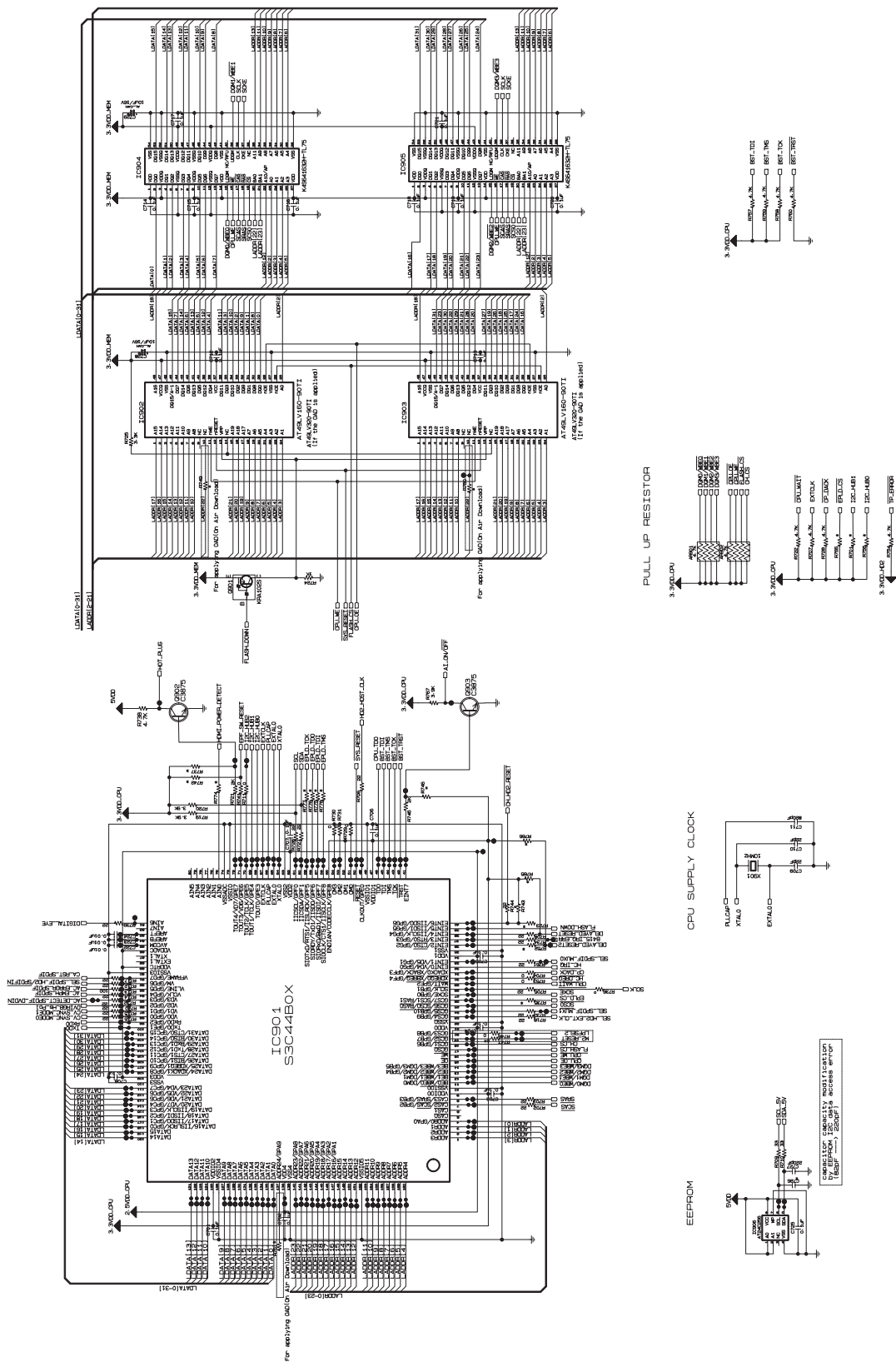


#6 HDMI RECEIVER

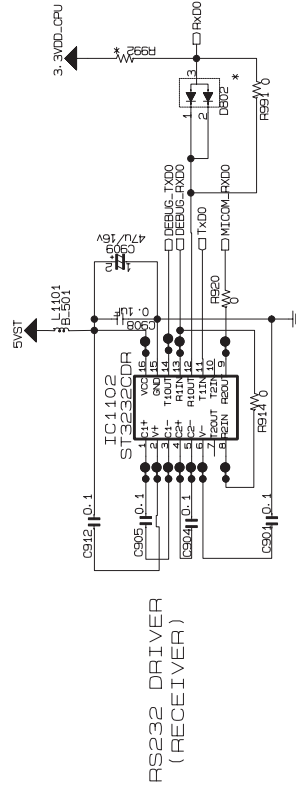
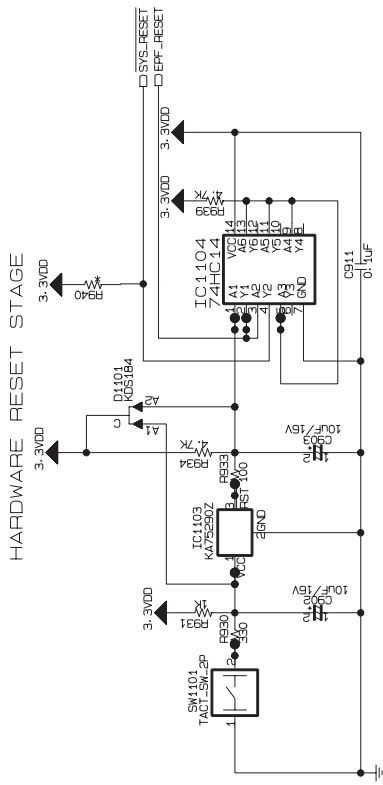
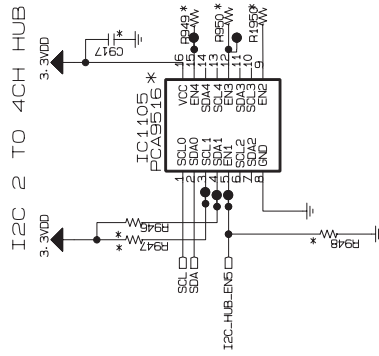
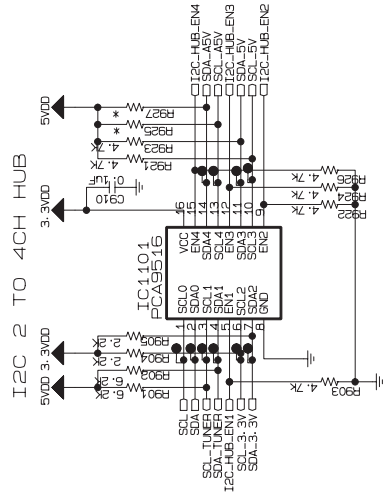




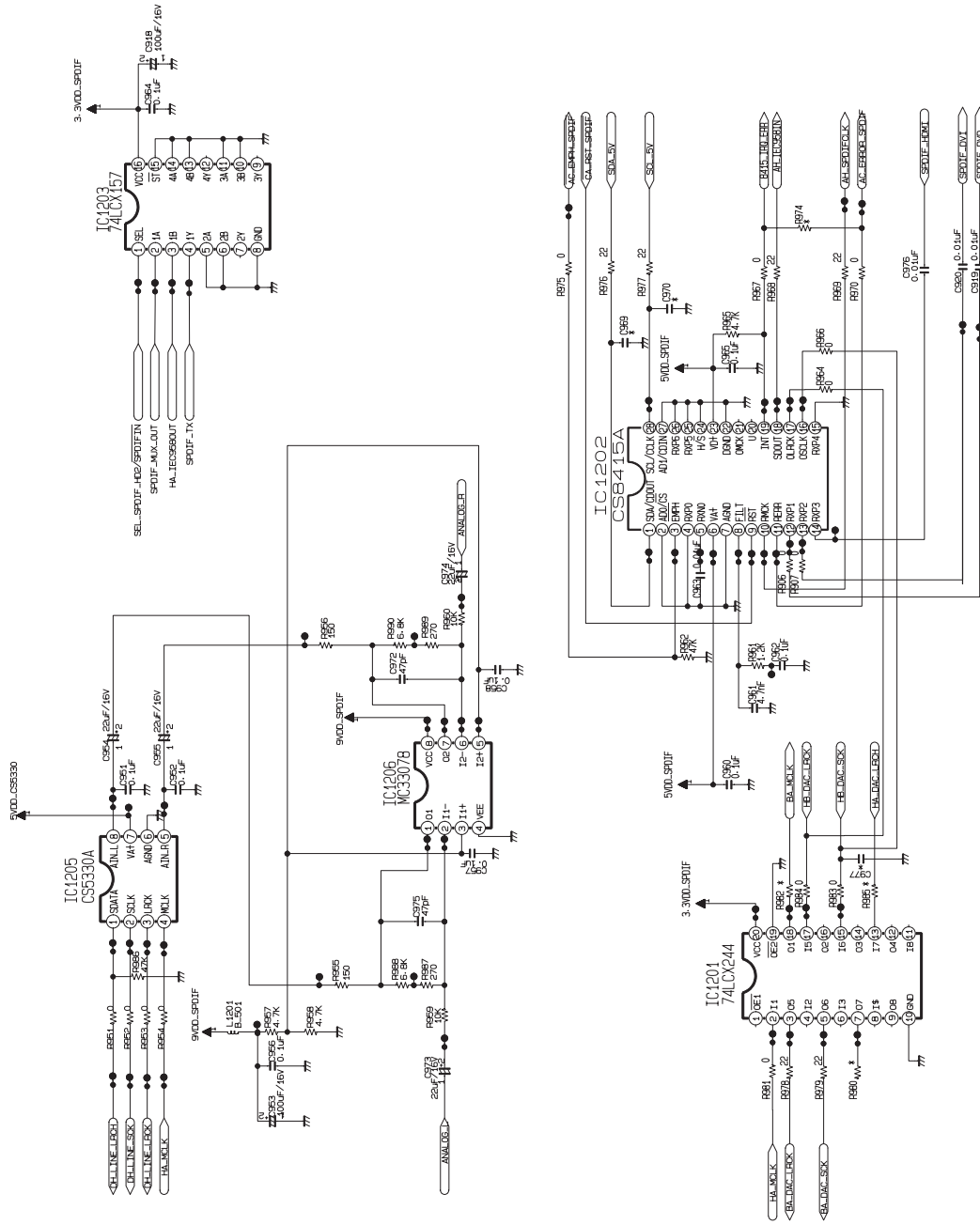
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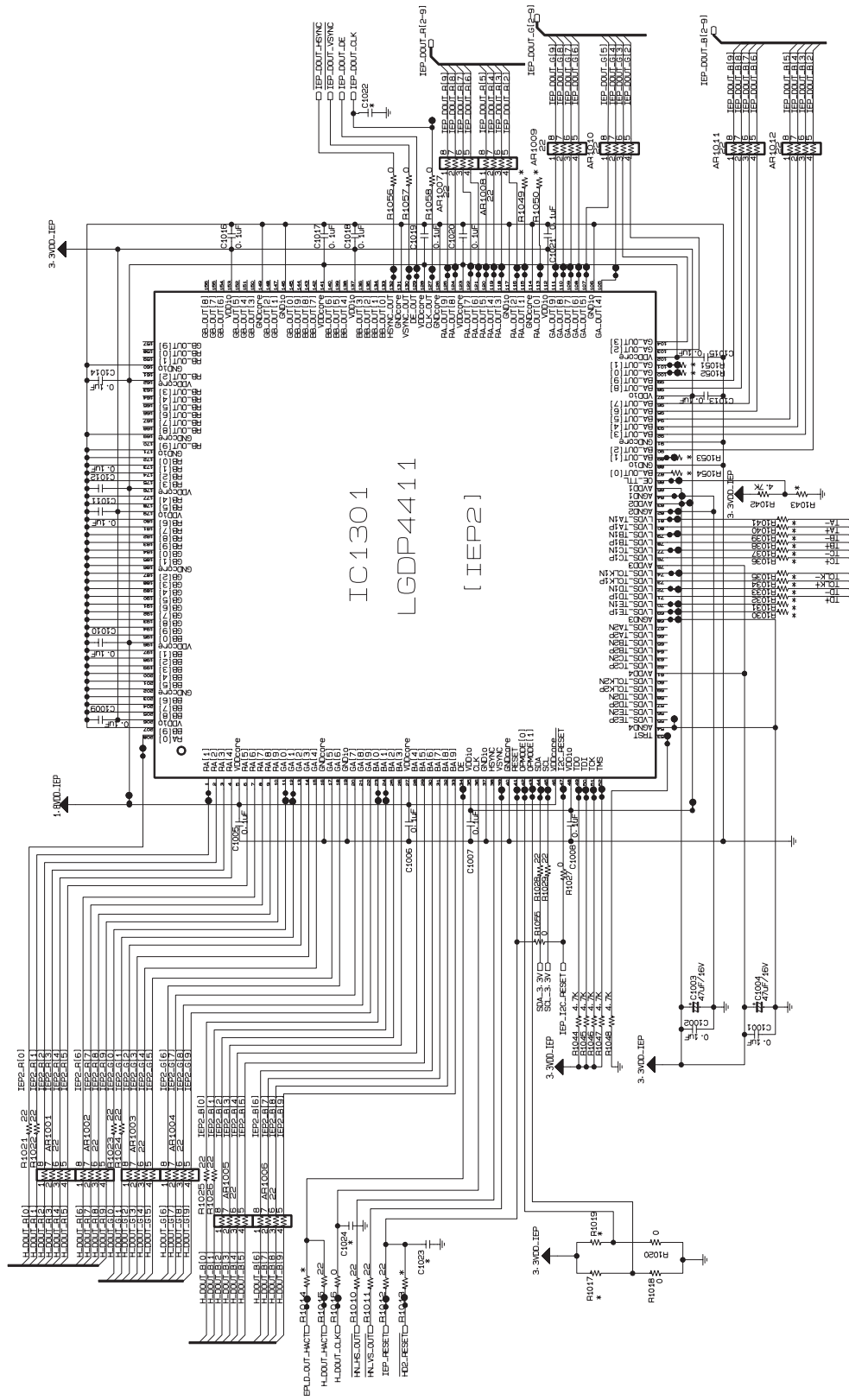
1.1 RS-232C



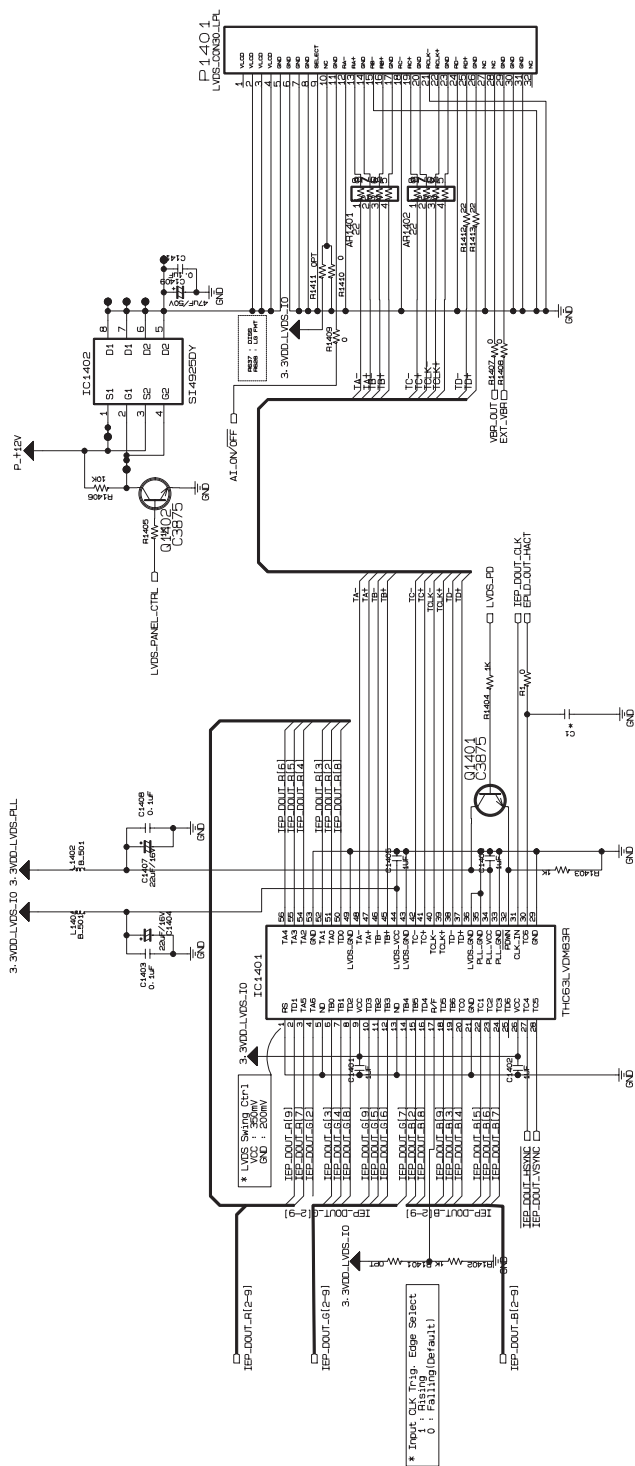
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#13 IEP2



#14 LVDS

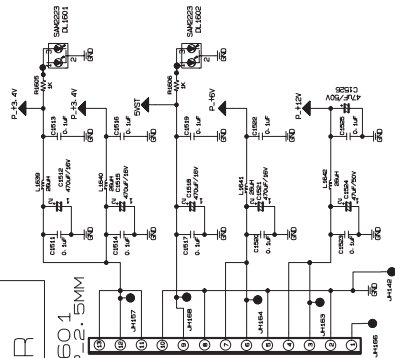


P1501
INDEX-12P-2MM

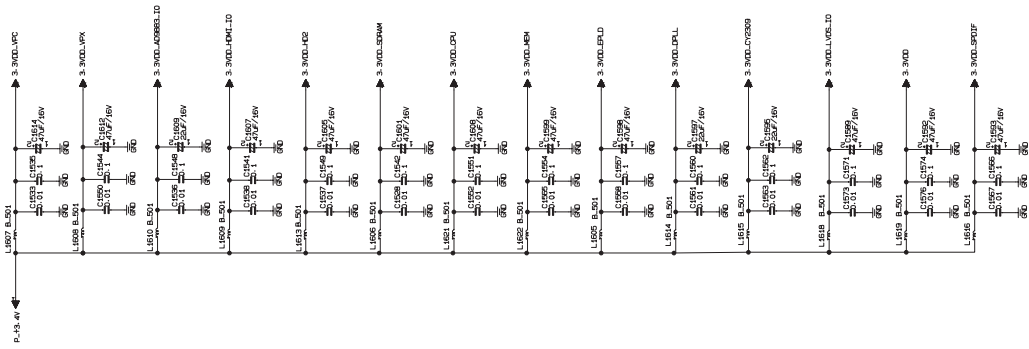
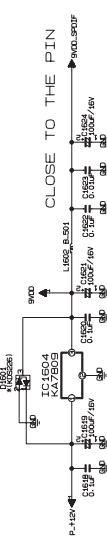
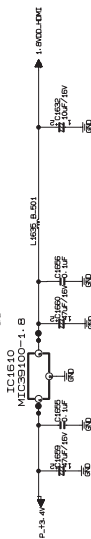
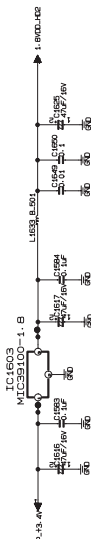
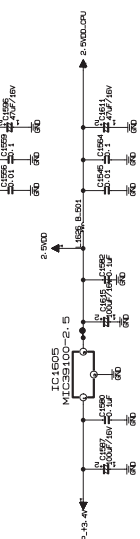
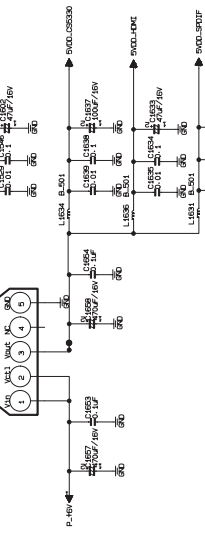
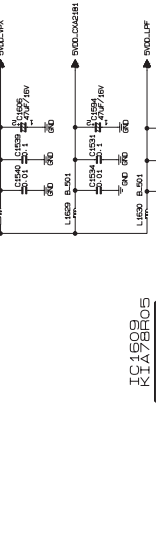
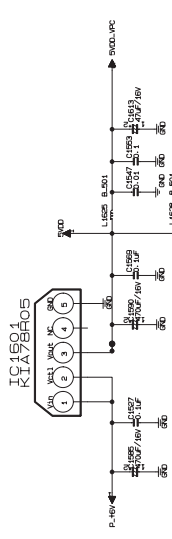
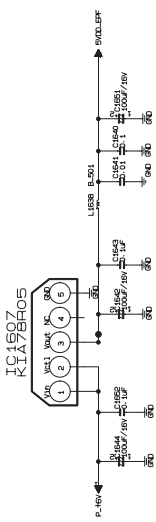
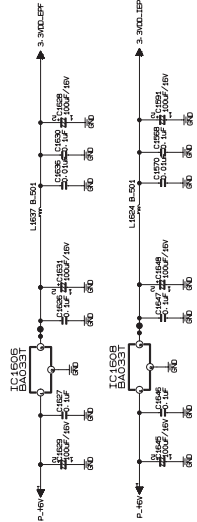
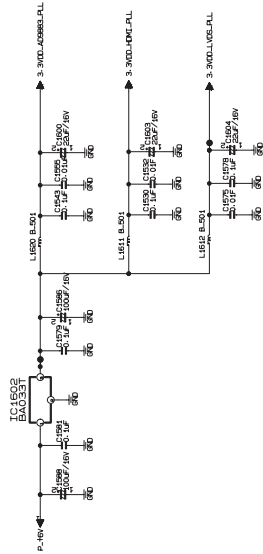
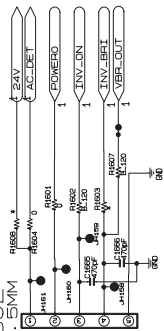


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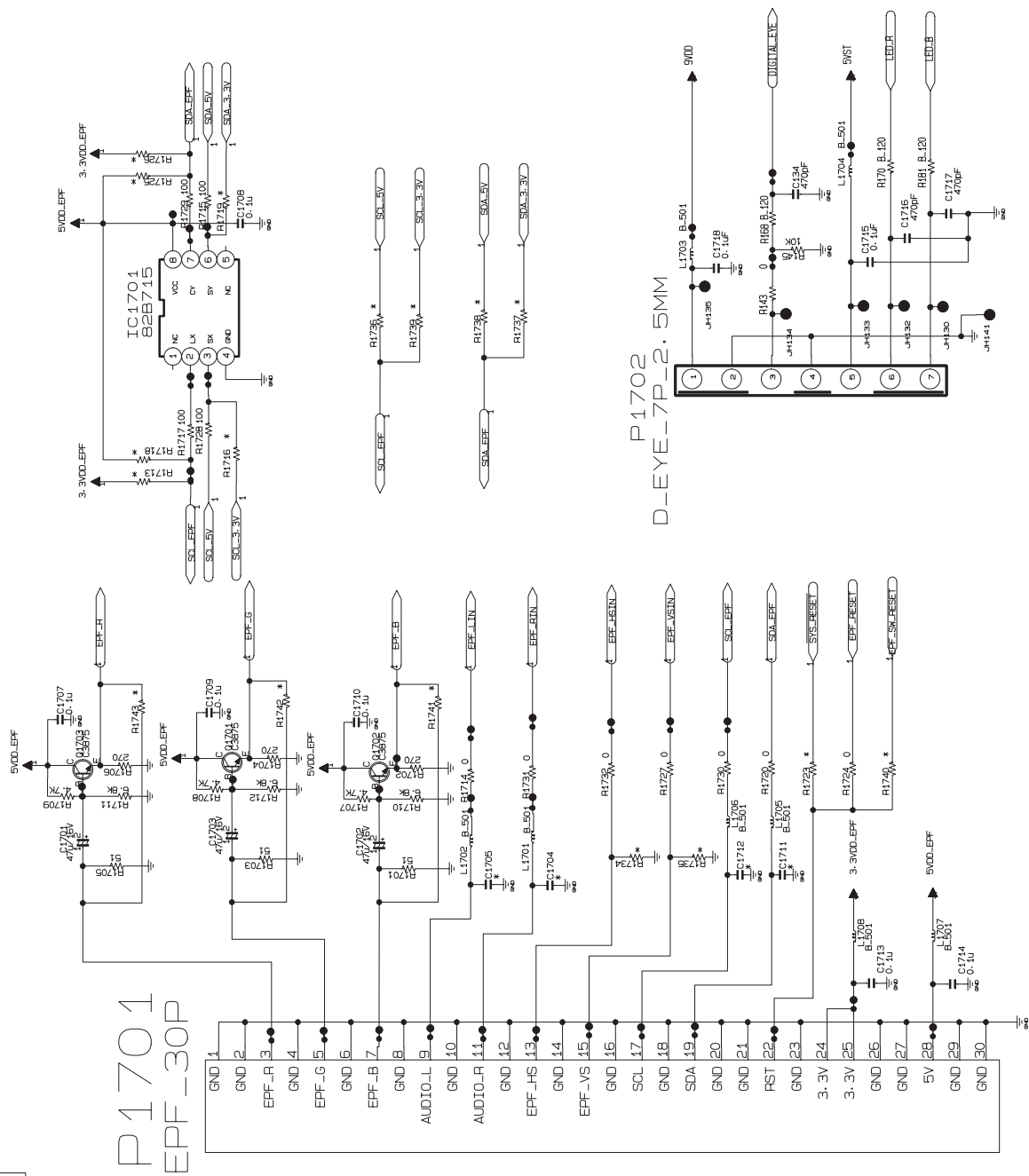
P1501
POWER_13P_2.5MM



P1502
INV_5P_2.5MM

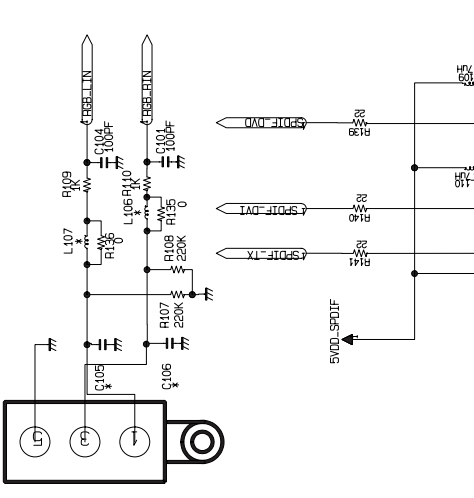
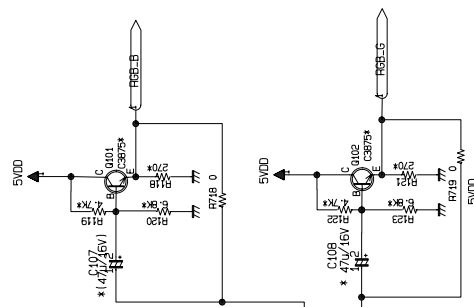
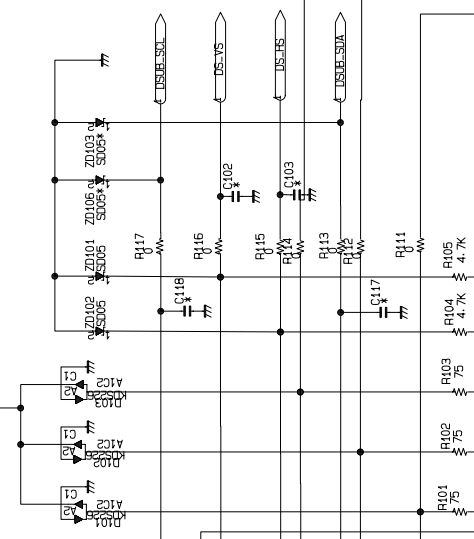
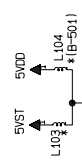
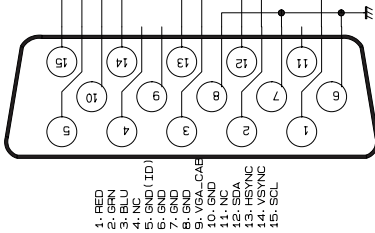


#17 EPF CON

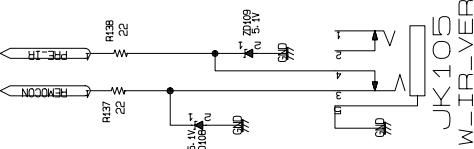
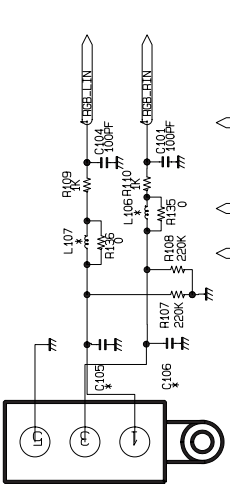


1 JACK

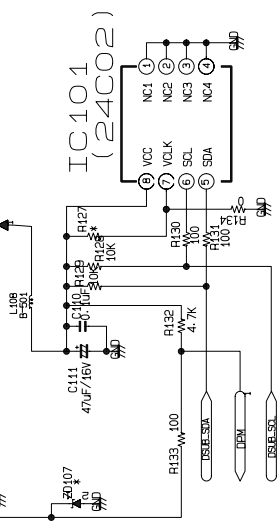
JK 101
D-SUB15



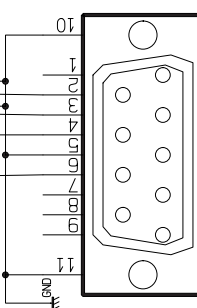
JK 102
PC-AUDIO



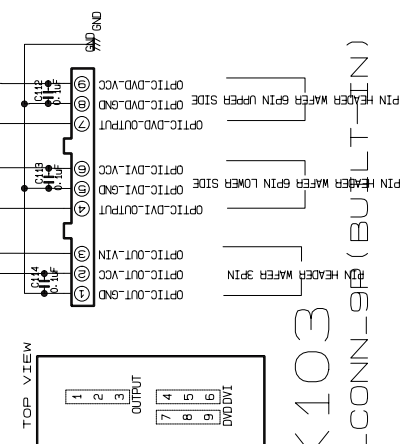
JK105
W-IR-VER



IC101
(24C02)

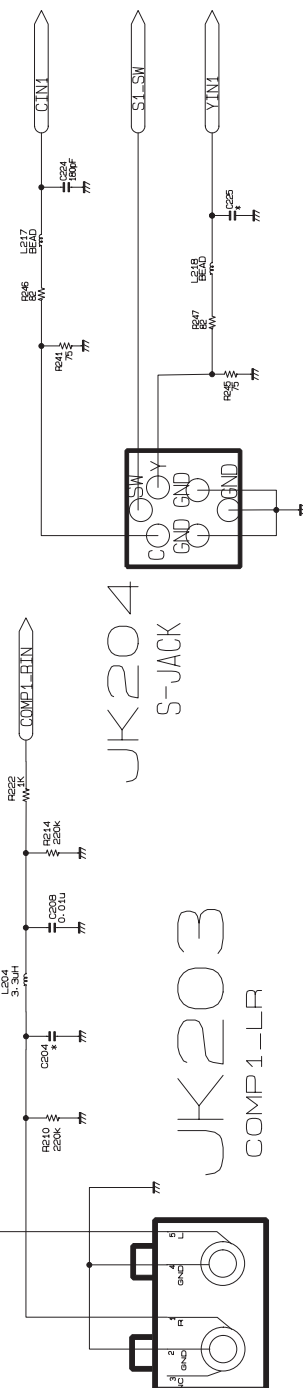
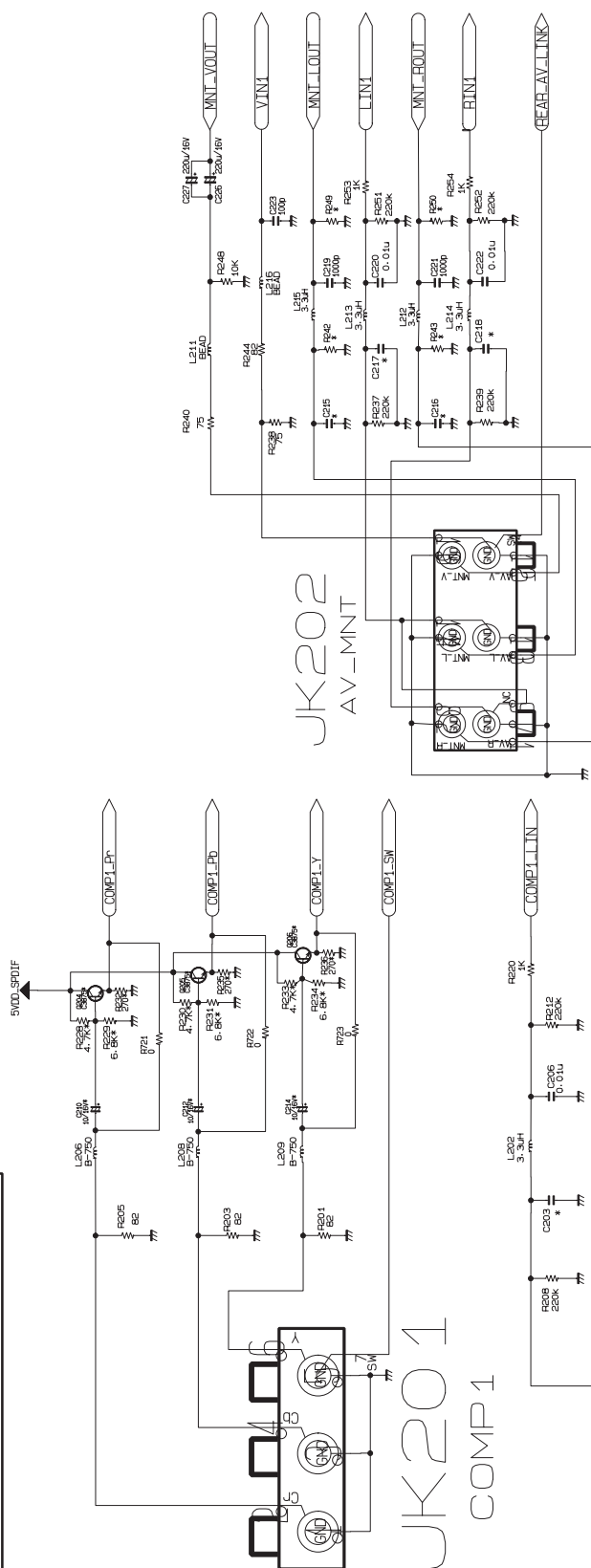


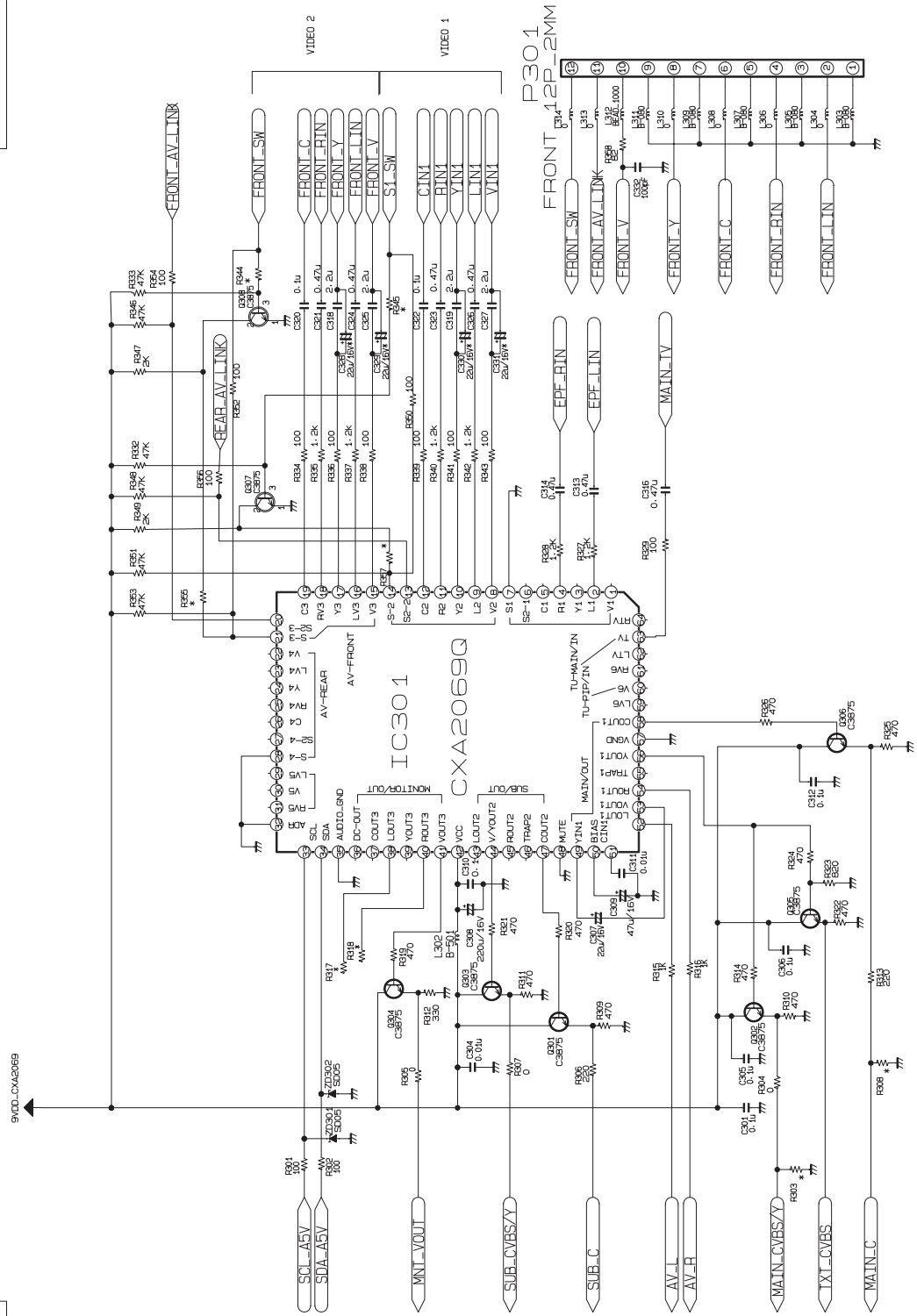
JK 104
DSUB-9-Pin



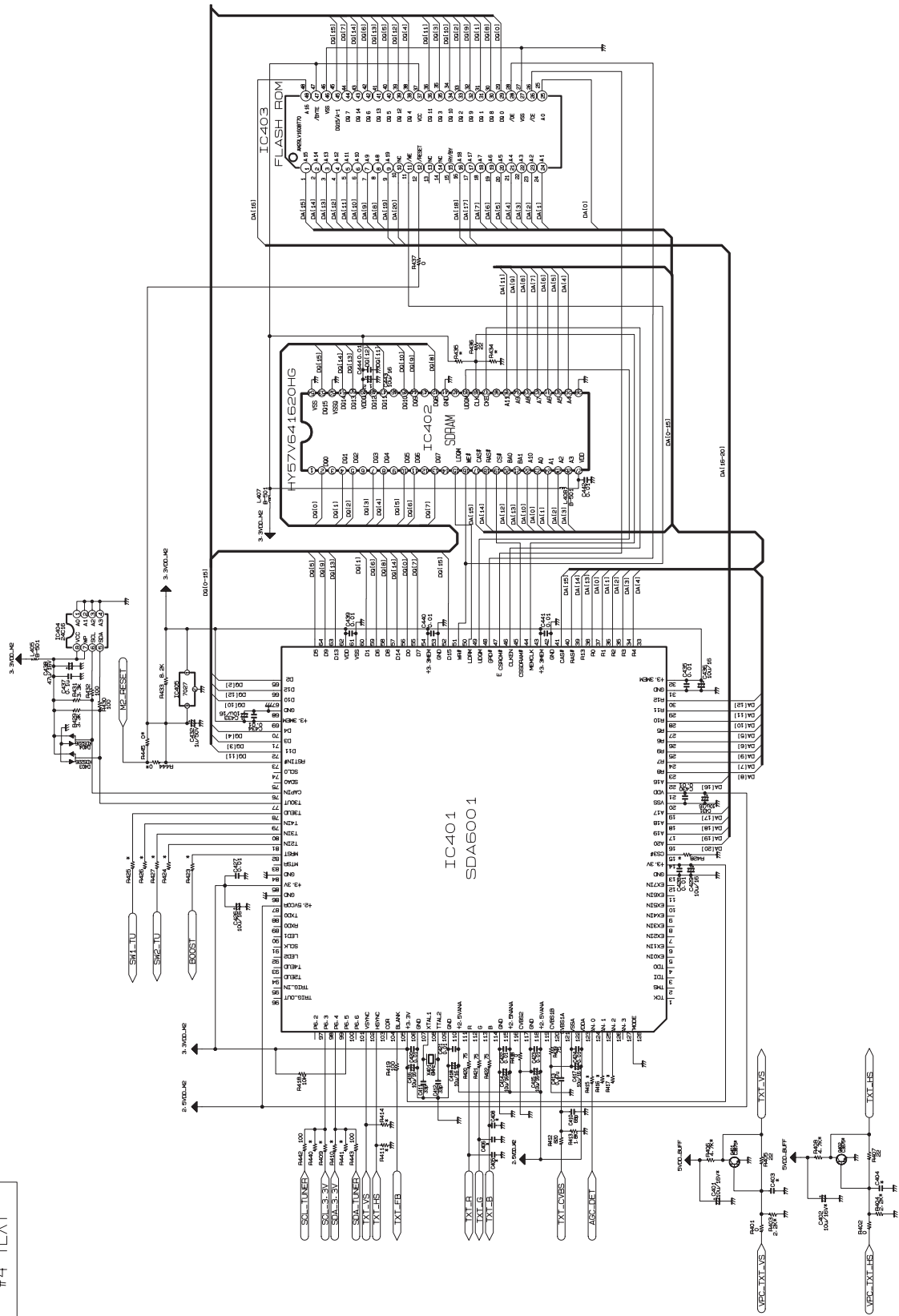
JK 103
SPDIF-CONN-9P (BUILT-IN)

#2 VIDEO/COMPONENT INPUT

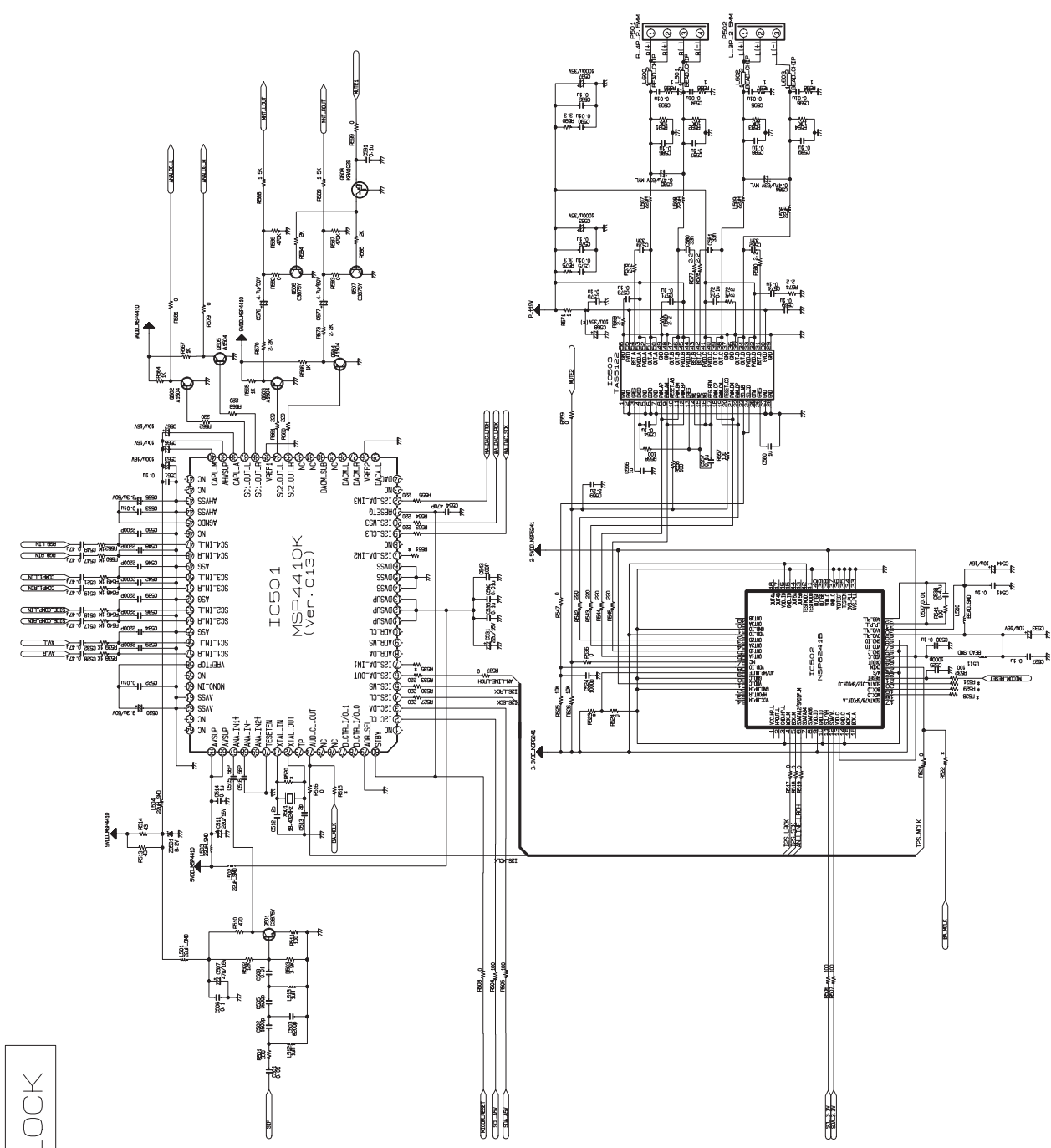




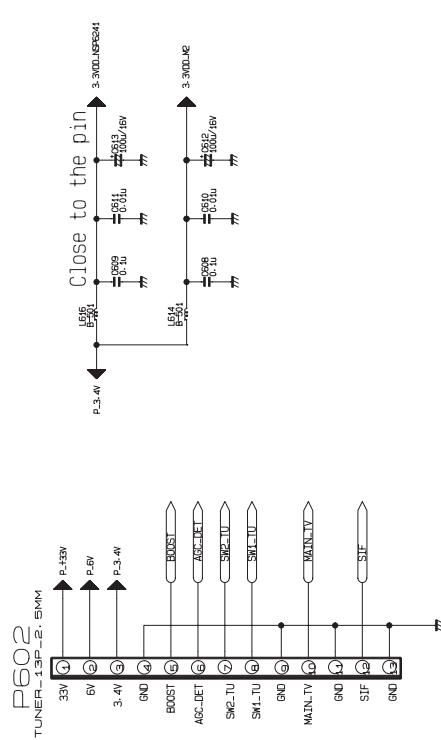
#4 TEXT



#5 AUDIO BLOCK



#6 POWER









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