

SAFETY PRECAUTIONS

SERVICE WARNING

Only qualified service technicians who are familiar with safety checks and guidelines should perform service work. Before replacing parts, disconnect power source to protect electrostatically sensitive parts. Do not attempt to modify any circuit unless so recommended by the manufacturer. When servicing the receiver, use an isolation transformer between the line cord and power receptacle.

GENERAL GUIDELINES

Perform a final SAFETY CHECK before returning receiver to customer. Check repaired area for poorly soldered connections, and check entire circuit board for solder splashes. Check board wiring for pinched wires or wires contacting any high wattage resistors. Check that all control knobs, shields, covers, grounds, and mounting hardware have been replaced. Be sure to replace all insulators and restore proper lead dress.

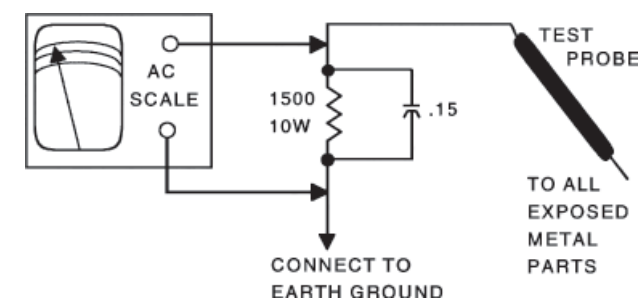
SAFETY CHECKS — FIRE AND SHOCK HAZARD

Cold Leakage Checks for Receivers with Isolated Ground

Unplug the AC cord, connect a jumper across the plug prongs, and turn the power switch on (if applicable). Use an ohmmeter to measure the resistance between the jumped AC plug and any exposed metal cabinet parts such as antenna screw heads, control shafts, or handle brackets. Exposed metal parts with a return path should measure between 1M ohms and 5.2M ohms. Parts without a return path must measure infinity.

Hot Leakage Current Check

Plug the AC cord directly into an AC outlet. DO NOT use an isolation transformer. Use a 1500 ohms, 10W resistor in parallel with a .15μF capacitor to connect between any exposed metal parts on the receiver and a good earth ground. (See figure below.) Use an AC voltmeter with at least 5000 ohms per volt sensitivity to measure the voltage across the resistor. Check all exposed metal parts and measure voltage at each point. Voltage measurements should not exceed .75VAC, 500μA. Any value exceeding this limit constitutes a potential shock hazard and must be corrected. If the AC plug is not polarized, reverse the AC plug and repeat exposed metal part voltage measurement at each point.



The listing of any available replacement part herein in no case constitutes a recommendation, warranty, or guarantee by SAMS Technical Publishing as to the quality and suitability of such replacement part. The numbers of the listed parts have been compiled from information furnished to SAMS Technical Publishing, LLC by the manufacturers of the specific type of replacement part listed.

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QUICKFACT™  
FROM PHOTOFAC®  
PLASMA SERIES

SET 5464

MODEL 42PG20

LG

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THIS IS A GREEN PRODUCT

Do not use lead based solder for repair. Use only green product parts for replacement.

For a Complete List of Manuals,  
Visit [www.samswebsite.com](http://www.samswebsite.com)

5464

Technical Service Data

LG  
MODEL 42PG20

with EAY43533901 POWER SUPPLY



Representative MODEL

Essential Coverage for  
Servicing a Plasma Receiver...

- Component Location
- Parts List
- Placement Chart
- Power Supply Schematic



Technical Publishing

MAY 2009 SET 5464

5464

POWER SUPPLY TEST

POWER SUPPLY CONFIRMATION TEST

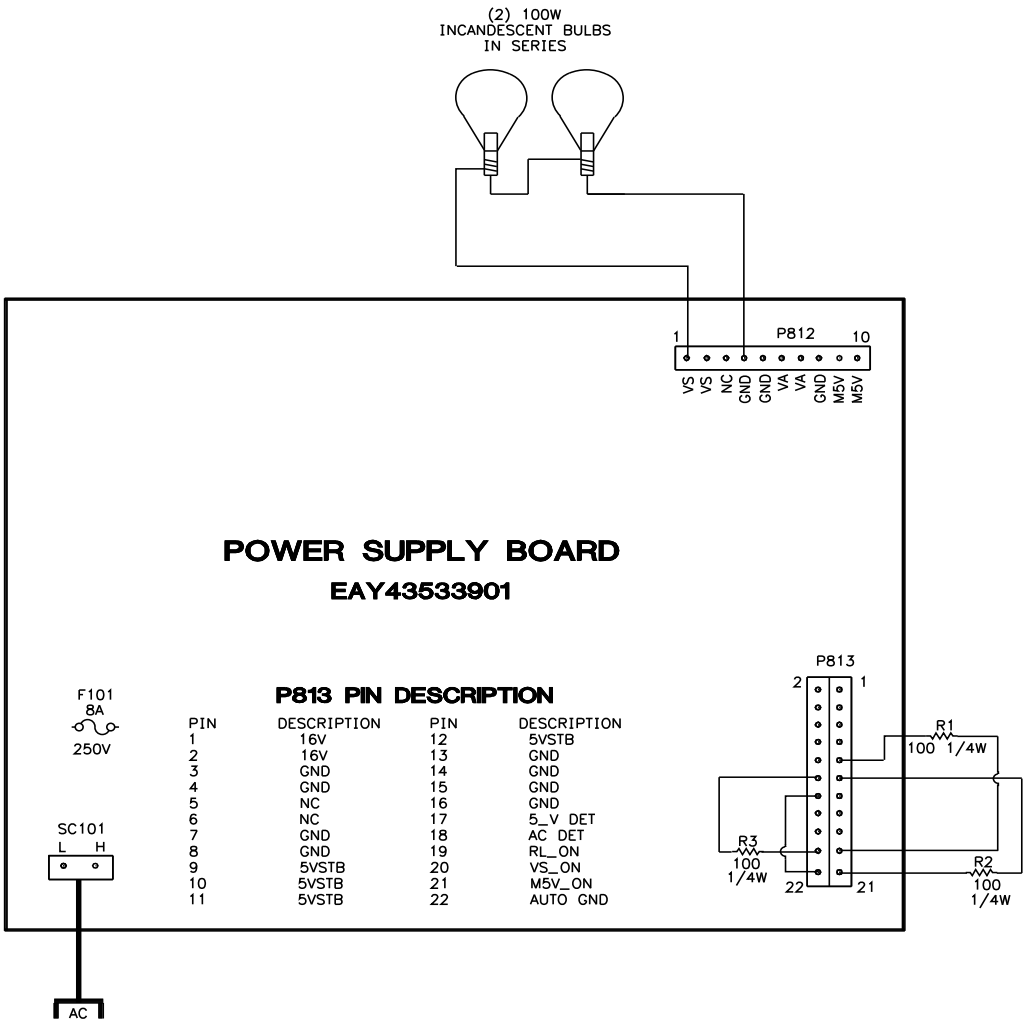
This power supply can be operated with or with out the VA and VS loads connected in order to verify power supply operation. Disconnect AC from the TV, leave the power supply module mounted and connected in the TV except unplug P813, this will cause pin 22 of P813 to be Hi from its normal state of being Low when P813 is plugged in. With AC applied and P812 still plugged in you will hear the relay click, with reference to chassis ground measure the 193v VS at pins 1 & 2 of P812, and 60v VA at pins 6 & 7 of P812. If VA or VS are not working, remove AC and unplug P812 to check if Y-SUS or Z-SUS is loading the supply. Reapply AC and recheck VA & VS voltages with P812 unplugged, VA & VS should both come up indicating the power supply is working. Also two 100W incandescent lamps in series attached to pins 1 & 4 of P812 will serve as a load for the 193v VS supply (see Figure 1). With the power supply board still mounted in the TV, plug P813 back on and attach the two lamps as loads. Apply AC and turn the TV on, the lamps coming on indicates the supply is functional.

**Note:** Before reconnecting P812, monitor VA & VS voltages until they have discharged.

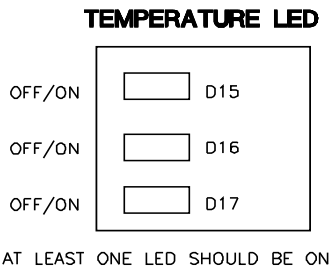
TROUBLESHOOTING POWER SUPPLY ON SEQUENCE

- 1. Remove the power supply from the TV and place on a non-conductive work surface. (See Figure 1)
- 2. Place two 100W incandescent lamps in series to use as the VS load across pins 1 & 4 of P812.
- 3. Attach a jumper from gnd pin 14 to the Auto-Gnd pin 22 on P813.
- 4. Apply AC power to SC101 and check for 5V on pin 18 AC-Det and STBY pins 9, 10, 11, & 12. If ok remove AC power.
- 5. Install a 100ohm ¼ W resistor R1 from 5V STB pin 9 to RL\_ON pin 19 of P813, apply AC power to close RL101 and turn on the 16v supply. If ok remove AC power
- 6. Install another 100ohm ¼ W resistor R2 from 5V STB pin 11 to M5V\_ON pin 21 of P813, apply AC power to bring the 5VCC line high. If ok remove AC power.
- 7. Install a final 100ohm ¼ W resistor R3 from 5V STB pin 12 to VS\_ON pin 20 of P813, apply AC power to bring the VA & VS lines high and turn on the lamps. If ok this confirms the power supply is working normally.

FIGURE 1



CONTROL BOARD TEMPERATURE LED’S



LED’s D15, D16 and D17 are located on the Control Board. At least one will remain ON and will remain on after the set has reached normal temperature. When the set has been on for long periods of time, the number of LED’s that are turned on will change indicating an increase of temperature of the panel. This is a normal function of the LED’s.

If the set is turned on and none of the LED’s light up, this generally indicates a defective Control Board. See Placement Chart Page 7 for LED location.

TUNER INFORMATION

TDVF-H051F		TUNER		
PIN	Description	Voltage		
16	Video-Out	1V		
15	NC	0V		
14	SIF	.85V		
13	NC	0V		
12	IC-AGC	0V		
11	DIGITAL-IF2	0V		
10	DIGITAL-IF1	0V		
9	NC	0V		
8	SCL	3.3V		
7	SDA	3.3V		
6	GND	0V		
5	NC	0V		
4	NC	0V		
3	B+	5V		
2	NC	0V		
1	NC	0V		

ADVANCED MENU SETTINGS

Entering the calibration mode

Hold menu key down for approximately 10 seconds  
Enter password (8741)

Example screen below

Calibration	DTV
Pic.Mode	Expert1/Expert2
1. Contrast	90
2. Brightness	50
3. Color	50
4. Tint	0
5. Sharpness	50
6. R Gain	192
7. G Gain	184
8. B Gain	161
9. R Offset	64
10.G Offset	64
11. B Offset	64

POS/SIZE ADJUST

1. H Position	0
2. V Position	0
3. H Size	0
4. V Size	0

DEFAULT LOAD NO

Count	1
-------	---

Exiting hold menu key down for approximately 10 seconds.  
The Enter password prompt will appear and time out in a few seconds.

TO ENTER EZ ADJUST MODE

(Using the sets remote)  
Press menu key on the set first and the menu key on remote second and hold both for approximately 10 seconds.

(Using the Service Remote Press the adjust key)

EZ ADJUST

1. CVBS ACC ADJUST

(Unhighlighted)
2. ADC 480i Comp1
3. ADC 1080i Comp1/RGB
4. Reserved

(Unhighlighted)
5. Sub-Brightness/Contrast
6. White-Balance
7. Module Control

(Unhighlighted)
8. Temperature Threshold

(Unhighlighted)
9. White-Pattern
10. 2 Hour Off Option
11. OAD

The selections that are (Unhighlighted) cannot be selected.

TO ENTER IN-START MODE

(Using the sets remote)  
Press menu key on the remote first and the menu key on set second and hold both for approximately 10 seconds.

(Using the Service Remote Press the IN-START key)

IN-START

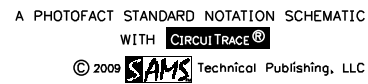
MODEL : 37LC7D-UB	S/W Ver : 03:06	Mic. Ver:
V3.06		
UTT : 5	PQ Ver : 02.10.00	PQ Model:
37LC7D-UB		
COMP 480i : OK	COMP 1080i : OK	COMP 1080i : OK
1. MST3361	BANKO	
2. MST3361	BANK1	
3. Spread Spectrum Control		
4. Model Info.		
5. Reserved		
6. PowerOffStatus		
7. BaudRate		
8. ADC Adj. Data		
9. Reserved		
10. Sub B/C Data		
11. WB Adj. Data		
12. Image Position & Size		

The selections that are (Unhighlighted) cannot be selected.

SCHEMATIC COMPONENT LOCATION GUIDE

C100	A2	C750	E18	D910	C9	R115	D3	R676	B3	R911	E12
C102	A2	C801	D7	D911	D9	R116	D2	R677	A5	R912	E12
C104	A2	C802	D8	D951	B9	R117	E3	R678	B5	R913	E12
C105	A2	C803	C7	D952	A9	R118	D3	R679	C2	R914	E13
C107	A2	C804	C5	D954	B9	R122	D3	R680	D2	R915	E13
C107	A3	C805	C5	D955	E12	R123	E4	R702	A18	R916	E13
C110	D3	C806	D5	F101	A1	R124	B2	R703	B18	R920	C10
C111	D2	C807	D5	F801	A7	R126	E4	R705	B18	R925	E10
C121	E2	C808	C5	IC101	D4	R139	B2	R706	A18	R926	C8
C125	E3	C809	D5	IC102	E4	R140	B1	R707	B18	R927	D8
C126	E2	C810	D6	IC103	E6	R142	E2	R708	B18	R928	E10
C130	E3	C811	D6	IC121	E3	R143	E2	R709	D18	R950	A10
C152	A12	C812	D7	IC122	E2	R144	B2	R710	D18	R951	A10
C153	B12	C813	A7	IC151	B12	R145	E3	R711	D18	R952	B10
C154	C12	C901	E11	IC201	D12	R147	B2	R712	D18	R953	B10
C156	C12	C902	E12	IC202	B15	R151	A12	R714	B18	R954	A10
C157	C12	C904	E11	IC203	B15	R152	B12	R715	B18	R955	B10
C158	C13	C907	E10	IC231	D12	R153	B12	R718	B20	R956	B10
C159	B13	C908	E10	IC601	B1	R154	B13	R723	C20	R957	D7
C161	C13	C909	E10	IC701	A19	R155	B12	R724	C20	R958	D11
C201	B15	C911	C9	IC801	C6	R156	B13	R725	B20	R959	D11
C202	B15	C912	E13	IC802	E5	R157	A11	R728	C20	R960	D11
C203	B16	C913	E12	IC803	D7	R158	C12	R729	A20	R961	C11
C204	A16	C920	C10	IC901	E11	R159	C12	R732	D18	R962	C11
C205	B16	C921	C9	IC951	B10	R160	B13	R733	D19	R963	B10
C206	B16	C922	D9	L101	A2	R161	B12	R735	D20	R965	C9
C207	A14	C951	B10	L102	A2	R162	C13	R736	B20	R966	B9
C208	A15	C953	B10	L231	C14	R201	A15	R737	D19	R967	B9
C209	B14	C954	A10	L603	A4	R202	B15	R739	E19	R968	B9
C232	D12	C955	B9	L604	B4	R203	B16	R740	E18	R969	B9
C233	D13	C956	C10	L901	E11	R204	B16	R741	D18	R970	B10
C234	D14	C957	A10	P101	A1	R205	B16	R742	D19	R971	C10
C235	D14	C999	B6	Q110	D3	R208	A14	R743	C19	R972	C10
C236	C15	D101	A3	Q151	A13	R209	B15	R744	C18	R974	C10
C237	D13	D102	A3	Q152	C12	R210	B16	R745	C20	R975	D7
C238	D16	D127	B2	Q201	A16	R231	D12	R753	B18	R976	B10
C239	E15	D151	B11	Q202	B15	R232	D12	R754	E19	R977	B10
C241	C16	D152	A12	Q203	B14	R233	D12	R761	C20	R979	B10
C242	E14	D153	B12	Q232	C16	R234	D14	R771	E18	R980	B10
C243	D15	D154	B13	Q233	E15	R235	D14	R772	D18	R981	C10
C244	E15	D156	C12	Q234	D15	R236	D15	R773	E18	R983	E11
C245	D15	D157	C13	Q235	E14	R237	C15	R790	D16	R984	E12
C246	D15	D158	B12	Q236	E15	R238	C16	R796	B20	R985	B10
C247	C15	D159	C13	Q237	D15	R240	D16	R797	C19	R999	B6
C248	C16	D201	A14	Q238	D15	R241	E14	R798	D20	R999	B6
C620	A4	D202	A14	Q239	C15	R243	E15	R801	C6	RL101	A3
C621	A4	D203	B16	Q605	E7	R244	E15	R802	C7	RL101	D21
C622	C2	D204	A16	Q611	C3	R245	E15	R803	C6	T201	A13
C625	A5	D231	C14	Q612	C4	R246	D15	R804	C7	T901	A8
C626	B5	D232	D14	Q614	C3	R247	C15	R805	C8	TH102	A3
C627	B1	D235	D16	Q616	D3	R633	E6	R806	C5	TH231	D15
C628	C1	D236	C16	Q702	D20	R651	B3	R807	E5	TH232	C15
C629	D1	D601	C4	Q756	E18	R652	B3	R808	D5	VA101	A1
C630	D1	D602	D3	Q757	D18	R657	C3	R809	C5	VR901	E12
C631	C3	D609	E7	Q758	E18	R658	D3	R810	D5	VR951	B10
C632	C2	D620	A4	Q801	C7	R659	C3	R811	D6	ZD110	D3
C633	D2	D621	A4	Q802	C7	R660	D3	R812	D5	ZD151	B12
C701	A18	D622	B4	Q901	E9	R663	C2	R813	D7	ZD152	C12
C703	B18	D701	D20	Q902	E12	R664	C2	R814	D6	ZD153	C12
C704	D18	D801	C6	Q951	B9	R665	C3	R817	C7	ZD203	A16
C705	D18	D802	D6	Q952	B9	R666	D2	R901	E12	ZD231	D16
C706	B18	D803	D7	Q953	C10	R667	C4	R902	E11	ZD232	C16
C708	D20	D804	D8	Q954	C10	R668	D4	R903	E9	ZD601	E7
C710	D20	D901	C9	R101	A1	R669	C1	R904	E9	ZD801	C7
C711	B18	D904	E10	R103	A3	R670	D1	R905	E9	ZD802	C7
C714	D20	D905	E10	R110	D4	R671	D2	R906	E10	ZD951	C11
C716	D20	D906	E11	R111	D3	R672	B5	R907	E10	ZD952	E12
C725	C18	D907	E12	R112	D3	R673	B5	R908	E11	ZD953	C10
C748	E18	D908	B11	R113	D3	R674	B5	R909	E11		
C749	D18	D909	C9	R114	D3	R675	B3	R910	E12		

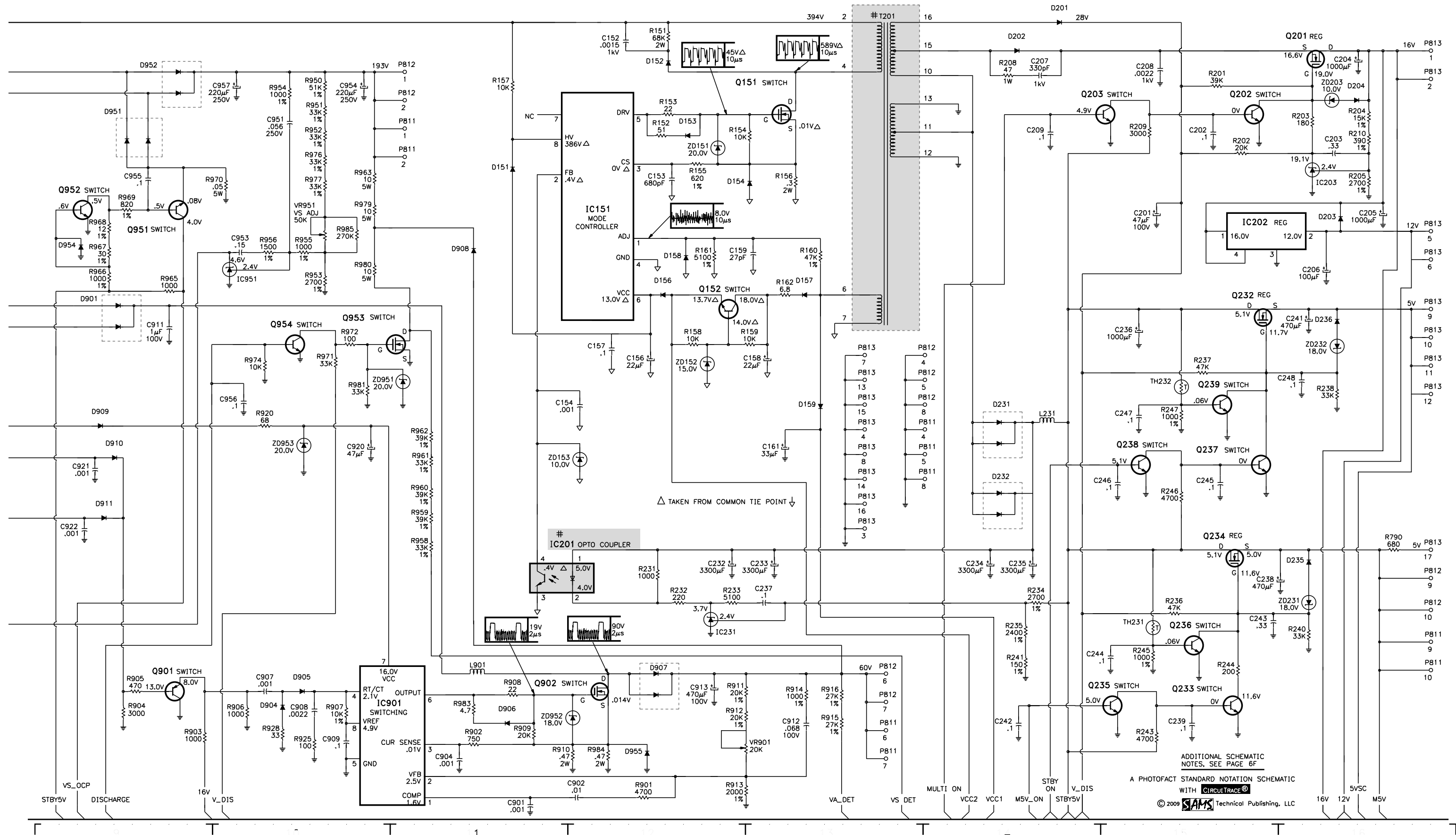
## B



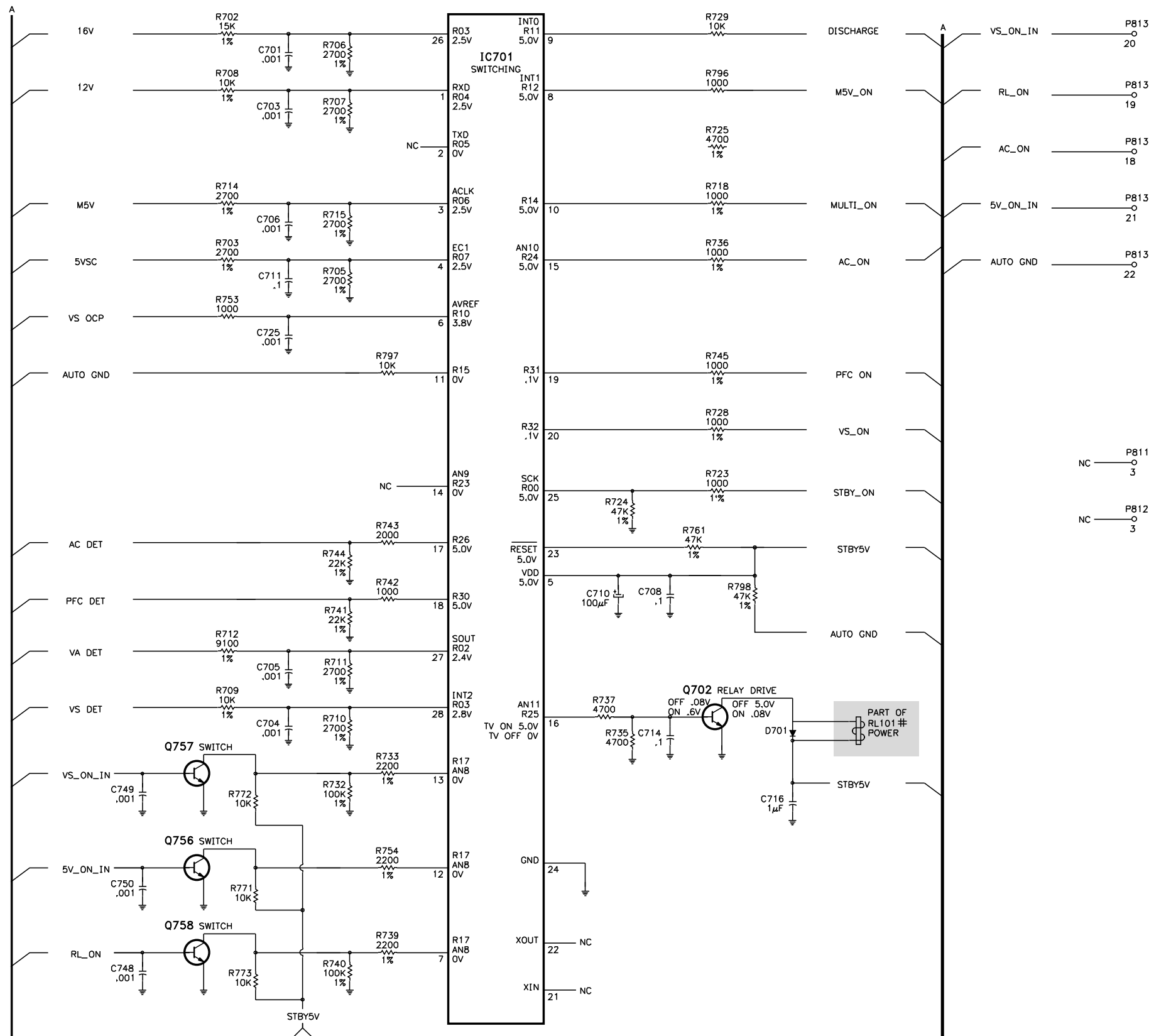
C

## POWER SUPPLY SCHEMATIC continued

D

LG  
MODEL 42PG20

POWER SUPPLY SCHEMATIC continued



A PHOTOFAC STANDARD NOTATION SCHEMATIC  
WITH CIRCUITTRACE®  
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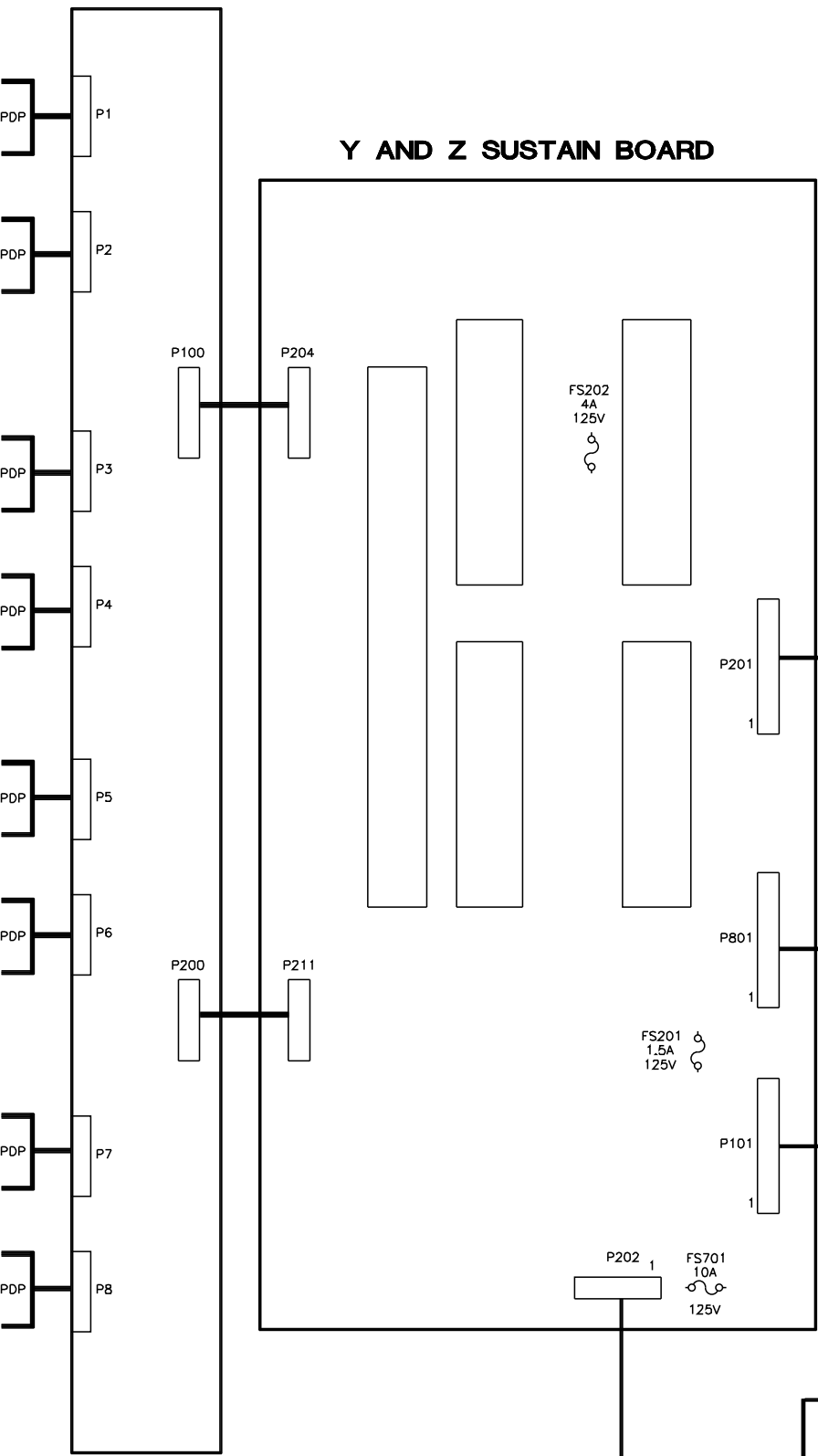
SCHEMATIC NOTES

- # For SAFETY use only equivalent replacement part, see parts list.
- Circuitry not used in some versions.
- Circuitry used in some versions.
- ⊥ Ground
- ⏏ Chassis ground
- ▽ Common tie point
- △ Taken from common tie point
- 3 Schematic CIRCUITTRACE® Voltage source tie point.
- A — Cabling: Heavy lines reduce use of multiple lines.
- Waveforms and voltages are taken from ground, unless otherwise noted.
- Waveforms taken with triggered scope and colorbar signal. Waveform voltage is peak to peak, Timebase is per division. Waveforms shown at 10 divisions. Supply voltages maintained as seen at input. Voltages measured with digital meter and a 1000μV RF signal, with colorbar pattern applied to antenna terminal. Controls adjusted for normal operation. Capacitors are 50 volts or less, 5% or greater unless noted. Capacitor values are in microfarads unless noted. Electrolytic capacitors are 50 volts or less, 20% or greater unless noted. Resistors are less than 1W, 5% or greater unless noted. Value in ( ) used in some versions. Measurements with switching as shown unless noted. Rated voltage shown on zener diodes.

PLACEMENT CHART

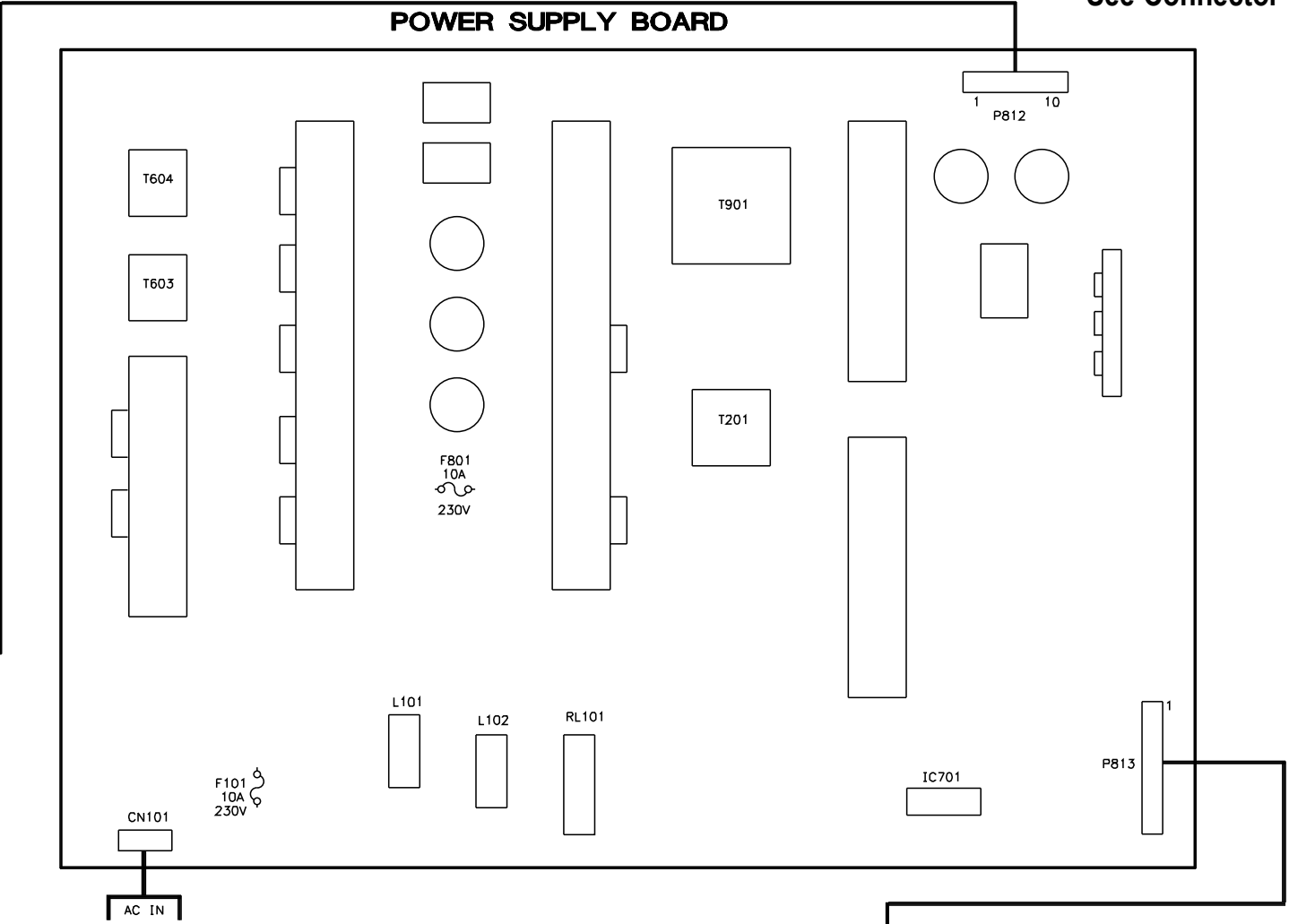
See Connector Resistance and Voltage Charts Page 8.

Y-SUS DRIVE BOARD

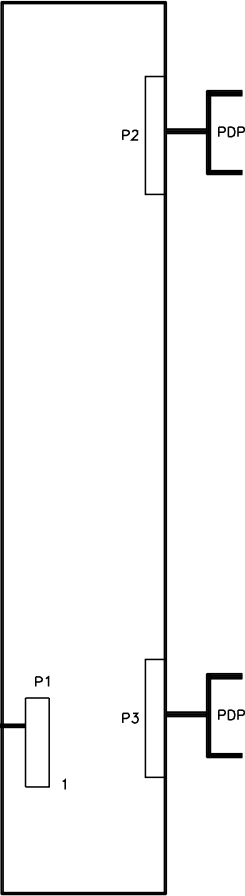


Y AND Z SUSTAIN BOARD

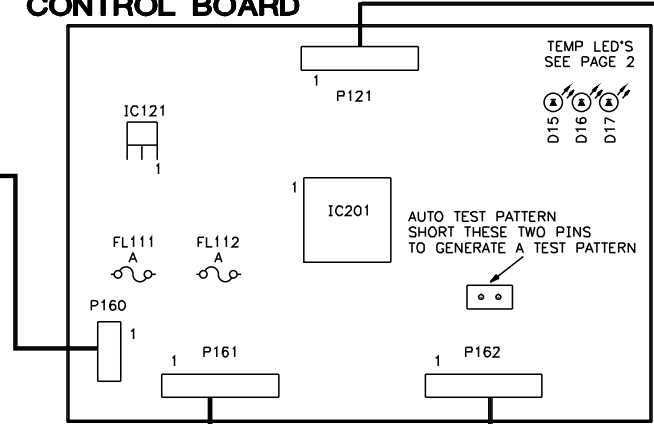
POWER SUPPLY BOARD



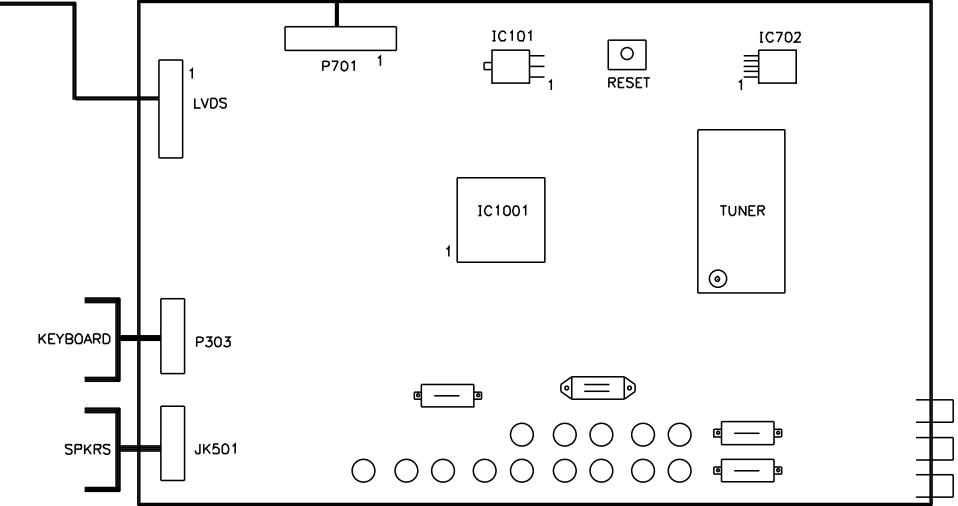
Z-SUSTAIN BOARD



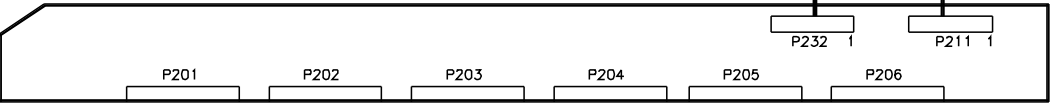
CONTROL BOARD



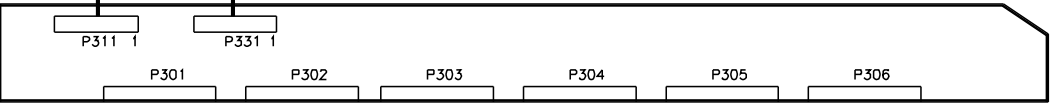
MAIN BOARD



LEFT X DRIVE BOARD



RIGHT X DRIVE BOARD



CONNECTOR VOLTAGE and RESISTANCE CHARTS

See placement chart Page 7 for connector location.

Note: Resistances taken with board disconnected.

MAIN BOARD

P303		PIN	P701	RES.
PIN	Voltage		Voltage	
1	5.0V	1	16.0V	1.6K
2	0V	2	16.0V	1.6K
3	3.3V	3	0V	GND
4	0V	4	0V	GND
5	3.3V	5	12.0V	3K
6	0V	6	12.0V	3K
7	5.0V	7	0V	GND
8	0V	8	0V	GND
9	0V	9	5.0V	5.2K
10	0V	10	5.0V	5.2K
11	3.3V	11	5.0V	5.2K
12	0V	12	5.0V	5.2K
		13	0V	GND
		14	0V	GND
		15	0V	GND
		16	0V	GND
		17	5.0V	5.9K
		18	4.6V	3.2M
		19	4.6V	43.3K
		20	3.0V	42.6K
		21	3.0V	42.4K
		22	0V	GND

Power Supply BOARD

P812			P813		
PIN	Voltage	RES.	PIN	Voltage	RES.
1	193V	140K	1	16.0V	1.6K
2	193V	140K	2	16.0V	1.6K
3	NC	NC	3	0V	GND
4	0V	GND	4	0V	GND
5	0V	GND	5	12.0V	3K
6	60V	27K	6	12.0V	3K
7	60V	27K	7	0V	GND
8	0V	GND	8	0V	GND
9	5V	5.2K	9	5.0V	5.2K
10	5V	5.2K	10	5.0V	5.2K
			11	5.0V	5.2K
			12	5.0V	5.2K
			13	0V	GND
			14	0V	GND
			15	0V	GND
			16	0V	GND
			17	5.0V	5.9K
			18	4.6V	3.2M
			19	4.6V	43.3K
			20	3.0V	42.6K
			21	3.0V	42.4K
			22	0V	GND

Y AND Z-SUS BOARD

P101			P201		
Do not measure			PIN	Voltage	RES.
			1	193V	1.5M
			2	193V	1.5M
			3	0V	~
			4	0V	GND
			5	0V	GND
			6	60V	25.5K
			7	60V	25.5K
			8	0V	GND
			9	5V	2.1K
			10	5V	2.1K
P204			P211		
Do not measure			Do not measure		
P202			P801		
PIN	Voltage	RES.	PIN	Voltage	
1	0V	GND	1	193V	
2	0V	GND	2	GND	
3	15.0V	2.1M	3	70.0V	
4	60V	27K	4	0V	
5	60V	27K	5	70.0V	
6	60V	27K	6	0V	
7	0V	GND	7	70.0V	
8	0V	GND	8	0V	
9	15.0V	2.1M	9	70.0V	
10	60.0V	27K	10	0V	
11	60.0V	27K	11	70.0V	
12	60.0V	27K			

Z-SUS BOARD

P1		P2, P3	
PIN	Voltage	Do not measure	
1	193V		
2	GND		
3	70.0V		
4	0V		
5	70.0V		
6	0V		
7	70.0V		
8	0V		
9	70.0V		
10	0V		
11	70.0V		

CONTROL BOARD

P121		P161	
Do not measure		Do not measure	
P160		P162	
Do not measure		Do not measure	
LEFT “X” DRIVE BOARD			
P211		P232	
1	0V	Do not measure	
2	0V		
3	15.0V		
4	NC		
5	NC		
6	60.0V		
7	60.0V		
8	64.0V		
RIGHT “X” DRIVE BOARD			
P311		P331	
1	0V	Do not measure	
2	0V		
3	15.0V		
4	NC		
5	NC		
6	60.0V		
7	60.0V		
8	64.0V		

Note:~ = Infinity



# CLASSIC PHOTOFACTS SALE

All pre-1964 Photofacts

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To order:

by Phone:

800-428-SAMS

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We also offer some OEM service manuals online. If you do not find what you need, send us an email at [customer care2@samswebsite.com](mailto:customer care2@samswebsite.com) and we will try to locate it for you from one of our suppliers.



## PARTS LIST

Item No.	Type No.	Mfr. Part No.	Notes
D101, 102	TS15PO5G	-	15A 600V
D127, 51	1N4007	-	-
D152	UF4007	-	-
D153	1SS133	-	-
D154	SB120	-	-
D156	GPP10J	-	-
D157	UF4007	-	-
D158	1SS133	-	-
D159	UF4007	-	-
D201	UF4007	-	-
D202	SF AF504G	-	-
D203	1N4007	-	-
D204	1SS133	-	-
D231, 32	FMEN-220A	-	-
D235, 36	1SS133	-	-
D601, 02	SB120	-	-
D609	1SS133	-	-
D620	30PDA60	-	-
D621, 22	BYV29X-600	-	-
D701	1SS133	-	-
D801, 02	SB140	-	-
D803, 04	1SS133	-	-
D901	SFF1006G	-	-
D904, 05	1SS133	-	-
D906	SB140	-	-
D907	FME-210B	-	-
D908	GPP10J	-	-
D909, 10, 11	UF4004	-	-
D912	SB120	-	-
D951	FRF10A40	-	-
D952	FCF10A40	-	-
D954	1SS133	-	-
D955	SB120	-	-
IC101, 02, 03	EL817L	-	-
IC121, 22	KIA431F	-	-
IC151	NCP1207A	-	-
# IC201	EL817L	-	-
IC202	KIA278R12PI	-	-
IC203	KIA431F	-	-
IC231	KIA431F	-	-
IC601	R2A20112SP	-	-
IC701	MC80F0708	-	-
IC801	L6599TR	-	-
IC802, 03	EL817L	-	-
IC901	KA3843B	-	-
IC951	KIA431F	-	-
Q110	KTC3198Y	-	-
Q151	STP6NK90ZFP	-	-
Q152	KTC3209Y	-	-
Q201	FQPF13N06L	-	-
Q202, 03	KRC103S	-	-
Q232	AP60T03GH	-	-
Q233	KRC103S	-	-
Q234	AP60T03GH	-	-
Q235 Thru			
Q239	KRC103S	-	-
Q605	KTC3209Y	-	-
Q611, 12	FCA20N60S	-	-
Q614	KSA, KTA1281	-	-
Q616	KSA, KTA1281	-	-
Q702	2SD2114KW	-	-
Q756, 57, 58	KRC103S	-	-
Q801, 02	STW20NK50Z	-	-
Q901	KRA102S	-	-
Q902	IRF630FP	-	-
Q951, 52	KTC3875S	-	-
Q953	FQPF16N25C	-	-
Q954	KTC3875S	-	-
ZD110	-	-	-
ZD151, 52, 53	-	-	-
ZD203	-	-	-
ZD231, 32	-	-	-
ZD601	-	-	-
ZD801, 02	-	-	-
ZD951, 52, 53	-	-	-

PARTS LIST Continued

Item No.	Function/Rating	Mfr. Part No.	Notes
# C102, 03	330pF 250VAC	-	-
# C104, 05	.001µF 275VAC	-	-
# C106	.47µF 275VAC	-	-
C152	.0015µF 1kV	-	-
C207	330pF 1kV	-	-
C208	.0022µF 1kV	-	-
C801	.047µF 1.6kV	-	-
C802	.001µF 2kV	-	-
C813	.0022µF 1kV	-	-
C831	.0015µF 2kV	-	-
# F101	Fuse	-	10A, 250V, T10AH-250V
F801	Fuse	-	4A, 250V, T4AH-250V
# L101, 102	9.5mH	-	-
L231	1.6µH	-	-
L603, 04	-	-	EER3124V
L901	-	-	-
P101	-	-	Polarize
# R101	1M	-	-
# R103	6.8 7W	-	-
R110 thru			
R113	680K 1%	-	-
R114	620K 1%	-	-
R115	560K 1%	-	-
R117	12K 1%	-	-
R118	22K 1%	-	-
R124	390K 1%	-	-
R139	390K 1%	-	-
R140	120K 1%	-	-
R142	100K 1%	-	-
R143	180K 1%	-	-
R144	390K 1%	-	-
R147	300K 1%	-	-
R234	2700 1%	-	-
R235	2400 1%	-	-
R241	150 1%	-	-
R245	1000 1%	-	-
R667, 68	.03 5W	-	-
R672, 73	220K 1%	-	-
R674	120K 1%	-	-
R675	6200 1%	-	-
R676	270 1%	-	-
R677, 78	220K 1%	-	-
R702	15K 1%	-	-
R703	2700 1%	-	-
R705, 06, 07	2700 1%	-	-
R708, 09	10K 1%	-	-
R710, 11	2700 1%	-	-
R712	9100 1%	-	-
R714, 15	2700 1%	-	-
R718	1000 1%	-	-
R723	1000 1%	-	-
R724	47K 1%	-	-
R725	4700 1%	-	-
R728	1000 1%	-	-
R729	10K 1%	-	-
R732	100K 1%	-	-
R733	2200 1%	-	-
R736	1000 1%	-	-
R739	2200 1%	-	-
R740	100K 1%	-	-
R741	22K 1%	-	-
R742	1000 1%	-	-
R743	2000 1%	-	-
R744	22K 1%	-	-
R745	1000 1%	-	-
R753	1000 1%	-	-
R754	2200 1%	-	-
R761	47K 1%	-	-
R798	47K 1%	-	-
R807	39K 1%	-	-
R810	15K 1%	-	-
R811	3300 1%	-	-
R812	16K 1%	-	-
R907	10K 1%	-	-
R911, 12	20K 1%	-	-
R913	2000 1%	-	-
R914	1000 1%	-	-
R915, 16	27K 1%	-	-

Item No.	Function/Rating	Mfr. Part No.	Notes
R950	51K 1%	-	-
R952	33K 1%	-	-
R953	2700 1%	-	-
R954, 55	1000 1%	-	-
R957	6200 1%	-	-
R958	33K 1%	-	-
R959 Thru			
R962	39K 1%	-	-
R963	10 5W	-	-
R966	1000 1%	-	-
R967	30 1%	-	-
R968	12 1%	-	-
R969	820 1%	-	-
R970	.05 5W	-	-
R976, 77	33K 1%	-	-
R979, 80	10 5W	-	-
# RL101	Relay	-	Power DG1U 5VDC
# T201	Power	-	EER3541
# T901	SMPS	-	EER5455
# TH102	-	-	SCK15086MSY
TH231	-	-	ECTH104H
TH232	-	-	ECTH104H
VA101	-	-	TVR14621
VR901	20K VA Adjust	-	-
VR951	50K VS Adjust	-	-
	Display	EAJ41970710	PDP
	PC Board	EBR39594901	Control
	PC Board	EAX41604104	IR Board
	PC Board	EAX42594601	Key Board
	PC Board	EAX39704801	Main
	PC Board	EAY43533901	SMPS, Power Supply
	PC Board	EBR39595101	Right X-Drive
	PC Board	EBR39595001	Left X-Drive
	PC Board	EBR39712601	Y-Drive
	PC Board	EBR39706801	Y-SUS
	PC Board	EBR41668901	Z-SUS
	Speakers	EAB42609901	8Ohms, 10W
	Transmitter	MKJ42519603	Remote
	Tuner	-	-

# For SAFETY use only equivalent replacement part.

Used Lead Free Solder.

Important Parts Information

- Parts not listed in the parts list are commonly available at your local electronics parts retailer.
- The parts listed here are those not usually available from a well-stocked supply cabinet or bin.
- On the parts lists, safety items are marked with a # to remind you that only exact replacements are recommended for these items.
- When ordering parts, state the model number, part number, and description.