

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.

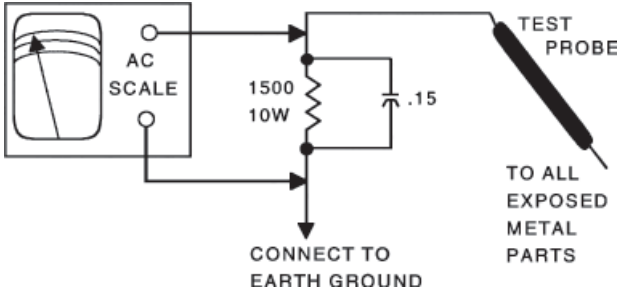
SAFETY CHECKS — FIRE AND SHOCK HAZARD

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, by the manufacturers of the specific type of replacement part listed.

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QUICKFACT FROM PHOTOFACT[®] *Technical Service Data*
LCD SERIES **SAMSUNG**
MODELS LN40A540P2FXZA/C (CHASSIS GPR40MUS)
with BN44-00197A POWER SUPPLY

SET 5513

MODELS LN40A540P2FXZA/C (CHASSIS GPR40MUS)

SAMSUNG

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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



Representative Model

Essential Coverage For Servicing

LCD Receivers...

- Component Locations
- Parts list
- Placement chart
- Power Supply Schematic



NOVEMBER 2009 SET 5513

MISCELLANEOUS ADJUSTMENTS

NOTE: Avoid overloading set with excessive signal from video generators. Use correct impedance matching. Use an isolation transformer to protect against shock hazard.

ENTERING SERVICE MODE

To access the service mode using the remote control, turn the set off, press the remote buttons in the following order: Power, Mute, 1, 8, 2, and Power in short durations of each other. The set will turn on and enter the service mode. Press the up/down buttons to move the selection cursor. Press the left/right buttons to change data value. Press “Return” button to save the data to EEPROM and back to the previous service mode category.

SERVICE MODE CATAGORIES

Option Byte	Factory Reset	Press Enter button, TV will reset & turn off. All customer settings will be returned to the Factory presets including channel lists.
	Panel Option	46AM
	Model	Pearl
	Watchdog Enable	On
	Spread Spectrum	1%
	Spectrum Period	1000ns
	Dimming Selection	PWM-EXT
	RS-232 JACK	Debug
	Gamma	0.95
	LVDS Out Format	JEIDA
	Panel Display Time	OHR
	Panel Time Reset	-
	Mute Time (RF)	600ms
	Shop Mode (Aft. F/R)	OFF
	PC Mode Id	Auto
	HDMI Hot Plug	Enable
	HDMI Delay Time	600ms
	HDMI Mode Id	Auto
White Balance	Sub Brightness	128
	R-Offset	512
	G-Offset	512
	B-Offset	512
	Sub-Contrast	128
	R-Gain	512
	G-Gain	512
	B-Gain	512
W/B Movie	W/B Movie	On/Off
	Mode	-
EPA Standard	Standard Contrast	90
	Standard Brightness	45
	Standard Sharpness	50
	Standard Color	50
	Standard Tint	0
	Standard Backlight	7
Sound	FM/AM Pre-scale	3ch
	Carrier Mute	On
	High Devision	Off
	SAP High Threshold	70h
	SAP Low Threshold	30h
	Melody Volume	fh
	Audio Delay	10
	STA Amp Vol.	36
	STA Limit Att.	29
	STA Limit Rel.	9h
	STA Post Scale	fh
	STA Speaker EQ	On
Hotel Option	Hotel Mode	On
	Power On Channel	3
	Power On Band	Air
	Power On Volume	10
	Max Volume	100
	Panel Button Lock	Unlock
	Power on Source	TV
EDID	EDID On/Off	On
	All EDID	Success
	PC EDID	
	HDMI1 EDID	
	HDMI2 EDID	
	HDMI3 EDID	-
	EDID Version	HDMI 1.3
Checksum	0x0000	-
Visual Log	Visual Test	Disable
Font Data Viewer	-	-

EXITING AND SAVE SERVICE MODE

Press the “Power” button to Exit and Save Data to Memory.

SCHEMATIC COMPONENT LOCATION GUIDE									
BD1801	B5	CM823	D15	IC1804	C23	R1840	C23	RM834	E2
BD801S	A4	CM824	C7	IC1805	D20	R1841	C23	RM836	E15
BM801	B8	CM825	C3	IC1806	A17	R1842	C23	RM837	C13
BM802	A16	CM826	E15	IC1807	A18	R1843	C23	RM838	E15
BP803	A5	CM828	C13	IC1808	E5	R1844	C23	RM839	C2
BP803	B5	CM829	C7	ICM801	B13	R1846	B24	RM840	D2
BP804	A5	CM830	B8	ICM802	B6	R1847	B24	RM841	E15
BP804	B5	CM831	C6	ICM803	E15	R1848	B23	RM842	C13
BP805	C4	CM833	C14	ICP801	E4	R1849	B23	RM843	C7
C827	E15	CP801	E5	ICP802	B2	R1850	B23	RM844	E15
C1801	C21	CP802	B5	LM801	A14	R1852	D19	RM845	B8
C1802	B21	CP803	B5	LM802	C16	R1853	D19	RM846	C7
C1804	C20	CP804	C4	LM803	D15	R1854	C18	RM847	B7
C1806	B20	CP805	D4	LP801	A4	R1855	D19	RM848	D3
C1807	B19	CP806	C1	LX801S	A2	R1856	D19	RM849	B7
C1808	C20	CP807	C1	LX802S	A3	R1857	D18	RM850	A11
C1809	E7	CP808	C2	NT801S	A3	R1858	C18	RM851	A6
C1811	A19	CP809	B2	NT802S	A4	R1859	C18	RM852	B6
C1812	B20	CP810	D1	PI	A1	R1860	D18	RM853	B6
C1813	A20	CP811	C1	PC1801	E6	R1861	D18	RM854	C16
C1814	B20	CP812	D5	PCM801	E3	R1862	C7	RM855	E2
C1817	D18	CX801S	A2	PCM802	D3	R1864	D6	RP801	B4
C1818	E19	CX802S	A3	Q1803	A19	R1865	D7	RP802	E5
C1819	E20	CX803S	A3	Q1804	A20	R1866	D7	RP803	C4
C1820	E19	CX804S	B4	Q1805	D19	R1868	D6	RP804	D4
C1821	D19	CX821S	A3	Q1806	C17	R1869	E7	RP805	D4
C1822	A16	CX822S	A3	Q1807	D17	R1870	C7	RP806	C5
C1823	B18	CY813S	C8	Q1808	D19	R1871	D7	RP807	C5
C1824	A18	D1801	A19	Q1809	D17	R1872	E18	RP808	C5
C1825	D23	D1803	E19	Q1810	D17	R1873	E18	RP809	C5
C1826	E21	D1807	E18	Q1813	C7	R1876	E19	RP810	C5
C1827	D23	D1808	D21	Q1814	D7	R1879	B23	RP811	B5
C1828	E22	D1810	C6	Q1815	C6	R1891	D5	RP812	B5
C1829	C22	D1811	D6	Q1816	D6	R1892	E6	RP813	B5
C1830	D22	D1813	D5	QM801	C3	R1893	D5	RP814	C5
C1831	D22	D1814	D7	QM802	B8	R1894	D5	RP815	C5
C1832	C23	D1815	E7	QM803	D4	R1895	D5	RP816	C1
C1833	B24	D1816	D5	QM804	A13	R1896	B20	RP817	B2
C1835	D18	DM801	A10	QM805	B13	R1897	D5	RP818	C2
C1836	D17	DM802	C8	QM806	C15	R1898	A22	RP819	C2
C1839	E7	DM803	B11	QM807	C13	R1899	D5	RP820	C2
C1842	E18	DM804	B8	QP801	B4	RM802	A8	RP821	C4
C1843	E18	DM805	C11	QP802	D4	RM803	C8	RP822	B1
C1845	E19	DM806	C8	QP803	E5	RM804	B13	RP824	B4
C1847	E17	DM807	C6	R1804	A19	RM805	B13	RP825	B4
C1849	B19	DM808	B13	R1805	A19	RM806	A11	RP826	B4
C1855	D5	DM809	D15	R1806	A20	RM807	B10	RP827	B4
C1892	D23	DM810	C7	R1808	B21	RM809	C14	RP828	E4
C1897	D6	DM811	C12	R1809	B21	RM810	B13	RP829	E4
CM801	A11	DM812	B8	R1810	B19	RM811	C3	RX801S	A2
CM802	C8	DM814	C7	R1811	B20	RM812	B10	SG803	A3
CM803	A11	DM815	B8	R1813	B19	RM814	B14	SG804	A3
CM804	A15	DP801	A5	R1814	E19	RM816	B14	T1801-1	E8
CM805	B8	DP802	A5	R1815	B19	RM817	B13	T1801-2	E8
CM807	A8	DP803	C2	R1817	B19	RM818	B12	T1802	C8
CM808	A16	DP804	B3	R1819	C20	RM819	B12	TM801	A9
CM809	C14	DP805	D4	R1820	A21	RM820	B12	V801	B23
CM810	C16	F1801	A5	R1822	D6	RM821	B12	VX801S	A2
CM811	B8	FB801	A3	R1823	A21	RM822	A12	ZD1804	D6
CM812	C14	FB802	A3	R1824	A22	RM823	A15	ZD1805	D7
CM813	E15	FB803	A3	R1825	A22	RM823	B4	ZDM802	D3
CM814	C6	FB804	A3	R1827	D19	RM824	B12	ZDM803	D3
CM815	C4	FB805	C7	R1828	E19	RM825	D15	ZDM805	C3
CM816	B13	FB806	C8	R1829	D19	RM826	C11	ZDM806	B7
CM817	B13	FS801	A1	R1831	D21	RM827	C11	ZDP801	D4
CM818	B11	GT801	A1	R1832	E21	RM828	D15	ZDP802	C2
CM819	B11	GT802	D8	R1836	C22	RM829	C12		
CM820	B11	IC1801	B20	R1837	E22	RM830	C11		
CM821	C11	IC1802	C21	R1838	D22	RM831	C7		
CM822	D11	IC1803	C22	R1839	D22	RM833	C7		

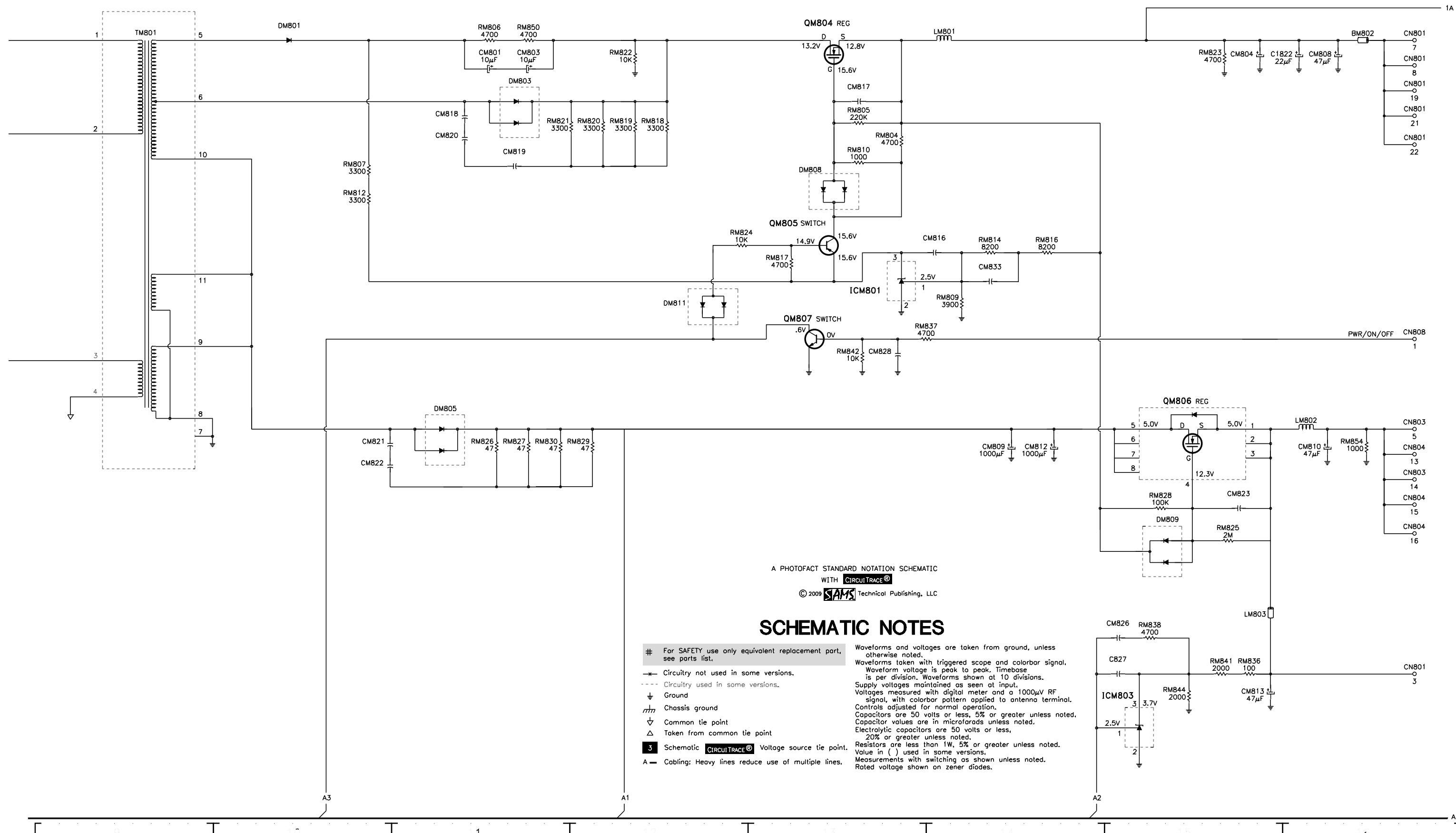
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C

POWER SUPPLY (IP) SCHEMATIC continued

D



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MODELS LN40A540P2FXZA/C (CHASSIS GPR40MUS)

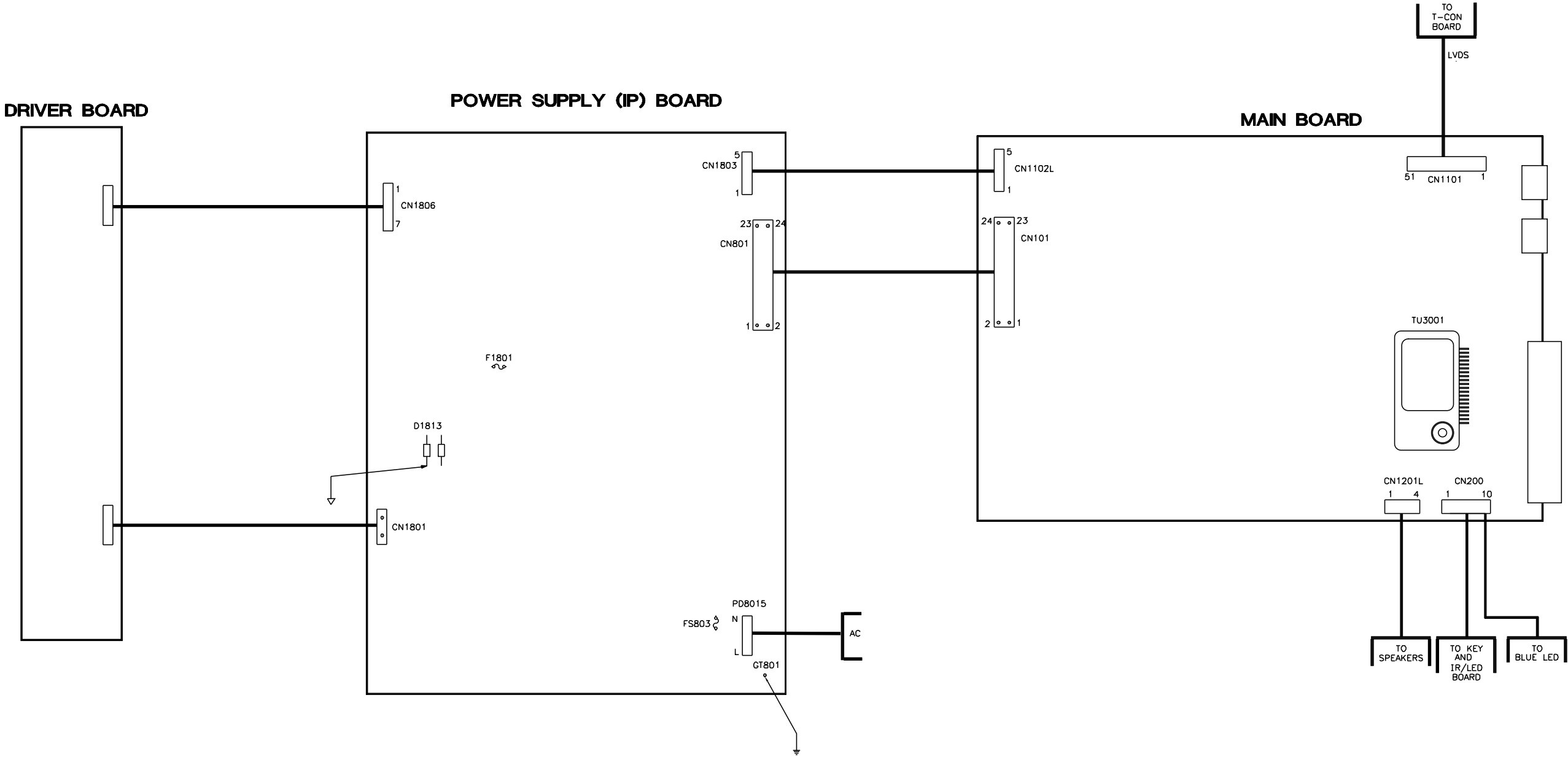
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BOARD PLACEMENT CHART

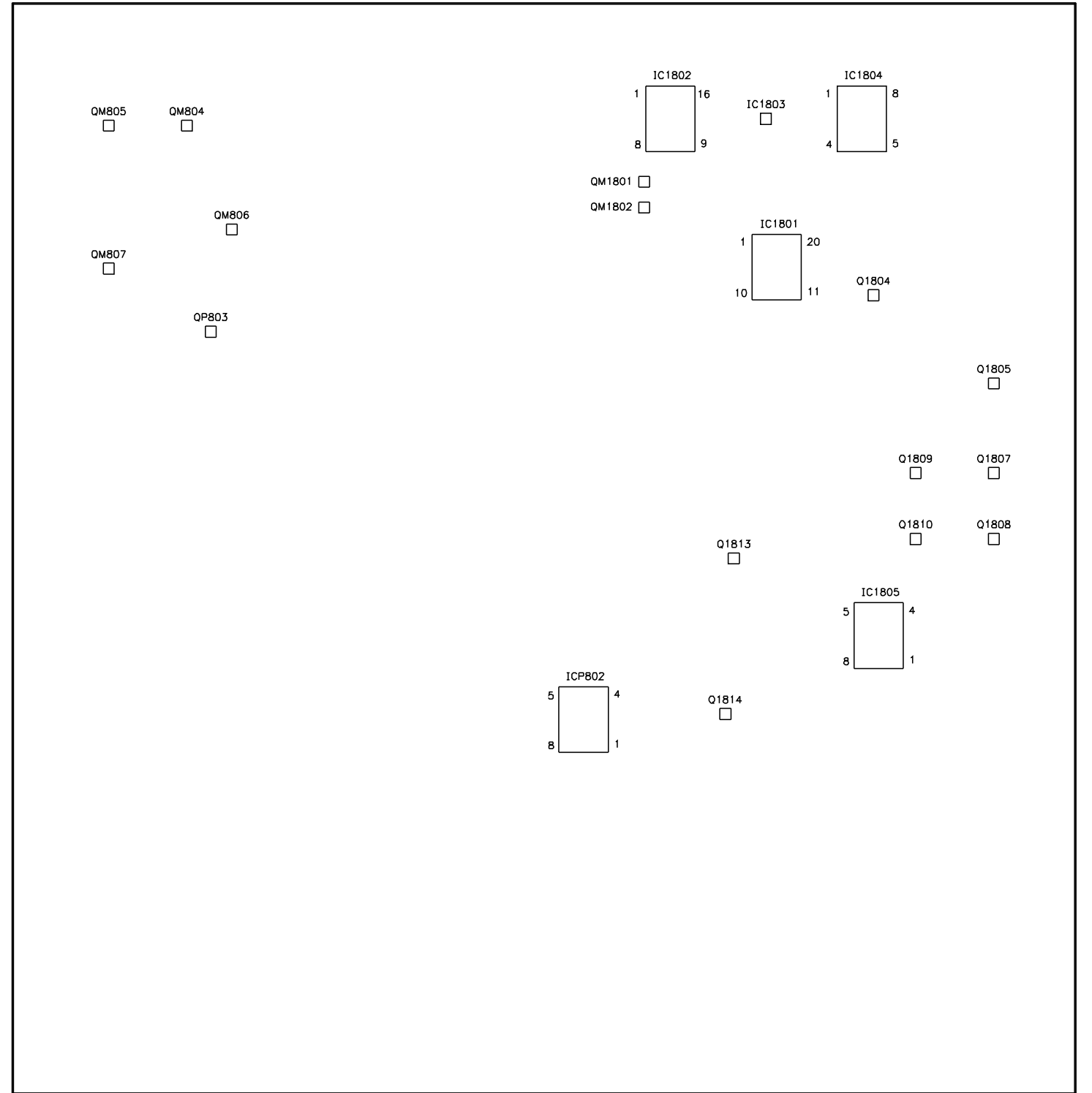
See Connector Voltage and resistance Chart Page 8.



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SET 5513 Page 7



CONNECTOR VOLTAGE CHART

MAIN Board

CN101			
PIN	ID	Resistance	Voltage
1	Power On/Off	930K	4.3V
2	Sync	1.4M	1.6V
3	STBY 5.3V	850K	5.1V
4	GND	GND	0V
5	GND	GND	0V
6	GND	GND	0V
7	13V	8.7M	12.8V
8	13V	8.7M	12.8V
9	GND	GND	0V
10	GND	GND	0V
11	GND	GND	0V
12	GND	GND	0V
13	5V	7M	5.06V
14	5V	7M	5.06V
15	5V	7M	5. 6V
16	5V	7M	5. 6V
17	GND	GND	0V
18	GND	GND	0V
19	13V	6M	12.8V
20	0V	GND	0V
21	13V	6M	12.8V
22	13V	6M	12.8V
23	NC	NC	0V
24	NC	NC	0V

CN1101

PIN	Voltage (LVDS)
Do not measure	

CN200			
PIN	ID	Resistance	Voltage
1	IR	2M	4.0V
2	GND	GND	0V
3	5V	337K	5.0V
4	MSCL-A5V	2.48M	.07V
5	BUZZER	2M	0V
6	KEY-INPUT 1	11K	3.3V
7	KEY-INPUT 2	11K	3.3V
8	GND	GND	0V
9	MSDA-A5V	1.5M	5.1V
10	LED-CTRL	2.2M	.46V

CN1102L

PIN	ID	Resistance	Voltage
1	SW-INVERTER	10M	4.9V
2	ANA-DIM	502	0V
3	PWM-SIM	3.62K	5.1V
4	GND	GND	0V
5	SENSE-PWR	~	5.0V

CN1201L

PIN	ID	Resistance	Voltage
1	R+	10M	.6V
2	R-	10M	.6V
3	L+	10M	.6V
4	L-	10M	.6V

POWER SUPPLY (IP) Board

CN801			
PIN	ID	Resistance	Voltage
1	Power On/Off	14.7K	4.3V
2	Sync	100K	1.6V
3	STBY 5.3V	4K	5.1V
4	GND	GND	0V
5	GND	GND	0V
6	GND	GND	0V
7	13V	3.8K	12.8V
8	13V	3.8K	12.8V
9	GND	GND	0V
10	GND	GND	0V
11	GND	GND	0V
12	GND	GND	0V
13	5.3V	1K	5.06V
14	5.3V	1K	5.06V
15	5V	1K	5. 6V
16	5V	1K	5. 6V
17	GND	GND	0V
18	GND	GND	0V
19	13V	3.8K	12.8V
20	GND	GND	0V
21	13V	3.8K	12.8V
22	13V	3.8K	12.8V
23	NC	NC	0V
24	NC	NC	0V

CN1801

PIN	ID	Resistance	Voltage
1	HIGH V	33.6	Do not measure
2	HIGH V	33.6	Do not measure

CN1803

PIN	ID	Resistance	Voltage
1	INVERT On/Off	82.4K	4.9V
2	NC	NC	0V
3	PWM DIM	104K	5.1V
4	GND	GND	0V
5	DET-5V	1k	5.0V

CN1806

PIN	ID	Resistance	Voltage
1	12V	13.6K	11.27V
2	FB	13.3	0V
3	FB	13.3	0V
4	GND	GND	0V
5	GND	GND	0V
6	LD	1.4M	9.9V
7	LD	1.4M	9.9V

DRIVER BOARD

CN104			
PIN	ID	Resistance	Voltage
1	12V	19.2K	11.27V
2	FB	1.7	0V
3	FB	1.7	0V
4	GND	GND	0V
5	GND	GND	0V
6	LD	100K	9.9V
7	LD	100K	9.9V

CN101

PIN	Voltage
Do not measure	

T-CON Board

CN901

PIN	ID	Voltage
	LVDS	
	Do not measure	

T-CON Board

LVDS

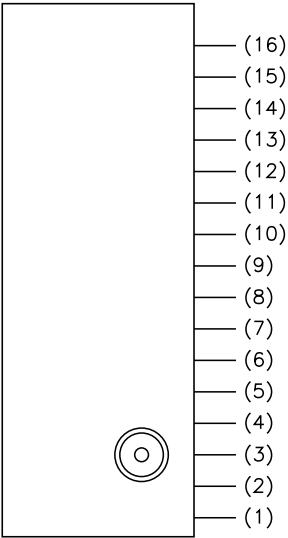
CN901

PIN	ID	Voltage
	Do not measure	

See Placement Chart pages 6 and 7 for connector locations.

TUNER INFORMATION

TU301 TUNER
TERMINAL GUIDE



TU301

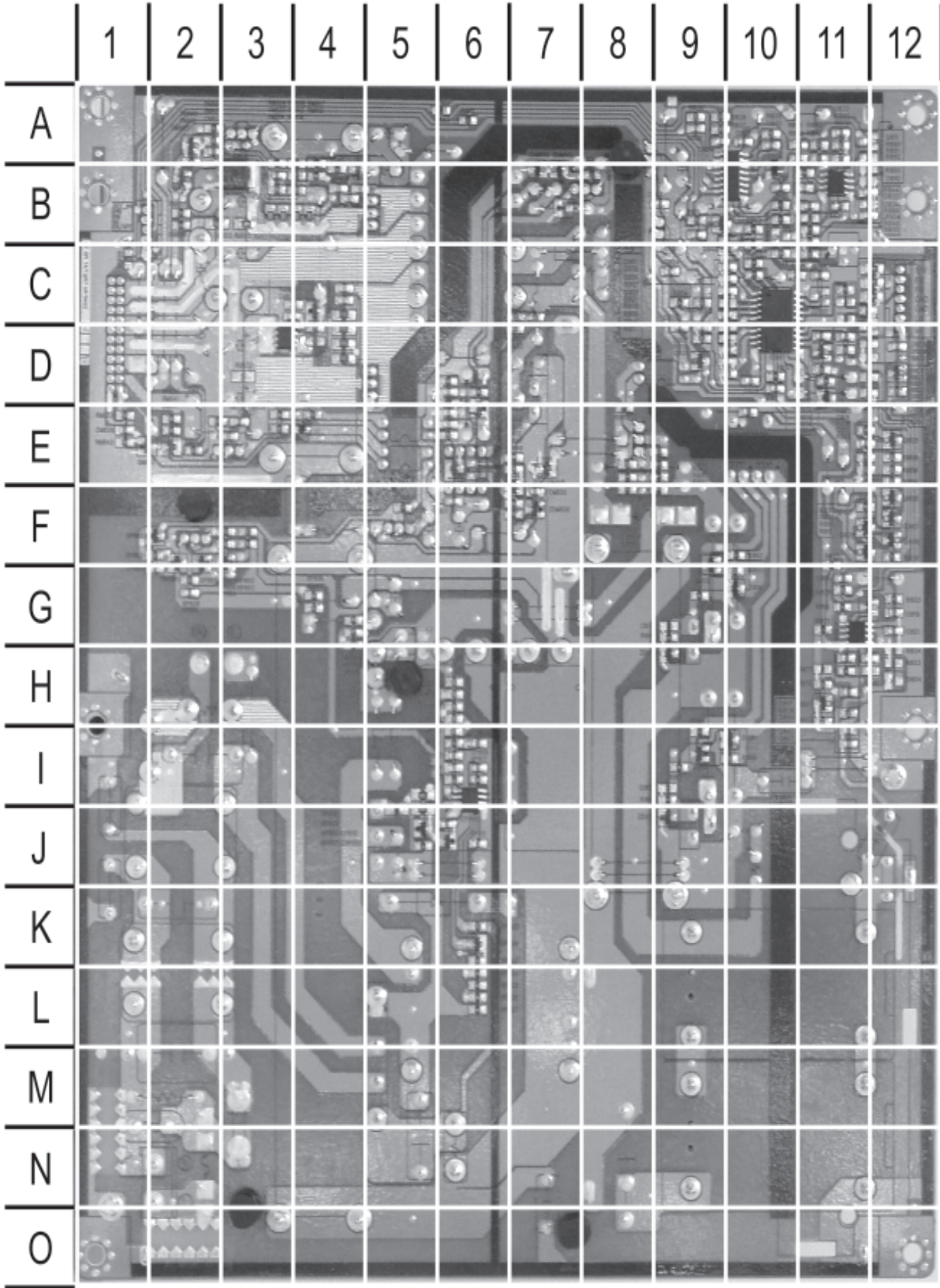
PIN	Description	Voltage
16	IF out +	0V
15	IF out -	0V
14	IF AGC	1.3V
13	NC	0V
12	DATA	3.3V
11	CLK	3.3V
10	SIF	0V
9	NC	0V
8	Tuner-CVBS	4.2V
7	NC	0V
6	NC	0V
5	GND	0V
4	VT	15.5V
3	AFT	4.7V
2	B5V	4.9V
1	AGC	3.7V

POWER SUPPLY (IP) BOARD TOP



POWER SUPPLY (IP) BOARD TOP, GRIDTRACE LOCATION GUIDE									
B1801	F4	CM811	D6	D1810	G4	FS801	N11	PCM802	E8
BD801S	M8	CM812	D10	D1811	I4	GT801	N12	PD801S	N11
BM801	C6	CM813	D11	D1813	I3	GT802	J1	Q1815	G4
BM802	C11	CM814	F7	D1816	G3	IC1806	A4	Q1816	J4
BP801	I8	CM815	F8	DM801	A7	IC1807	B4	QM801	B5
BP802	I8	CN801	D12	DM802	B6	IC1808	E4	QM802	D6
BP803	G8	CN803	B11	DM803	B8	ICM801	A10	QM803	F8
BP804	G8	CN1801	J1	DM804	C5	ICM802	E7	QP801	J8
C1822	B4	CN1806	C1	DM805	D8	ICM803	E10	R1822	J3
C1839	N5	CP801	G8	DM806	D7	ICP801	F11	RM802	C5
C1847	J1	CP802	H6	DM807	F7	LM801	B11	RM803	F6
C1897	J3	CP803	H7	DP801	H8	LM802	C10	RP801	N7
CM801	A8	CP804	J8	DP802	K7	LM803	E10	RX801S	M11
CM802	A5	CX801S	M11	F1801	F4	LP801	L7	T1801-1	L2
CM803	A8	CX802S	K11	FB801	J12	LX801S	K11	T1801-2	N2
CM804	B10	CX803S	I11	FB802	I12	LX802S	J11	T1802	E3
CM805	B5	CX821S	I12	FB803	J12	NT801S	H12	TM801	C7
CM807	C5	CX822S	J12	FB804	K12	NT802S	H11	V801	C2
CM808	C11	CX804S	N8	FB805	N6	PC1801	D4	VX801S	M11
CM809	D10	CY813S	O6	FB806	O6	PCM801	E8		

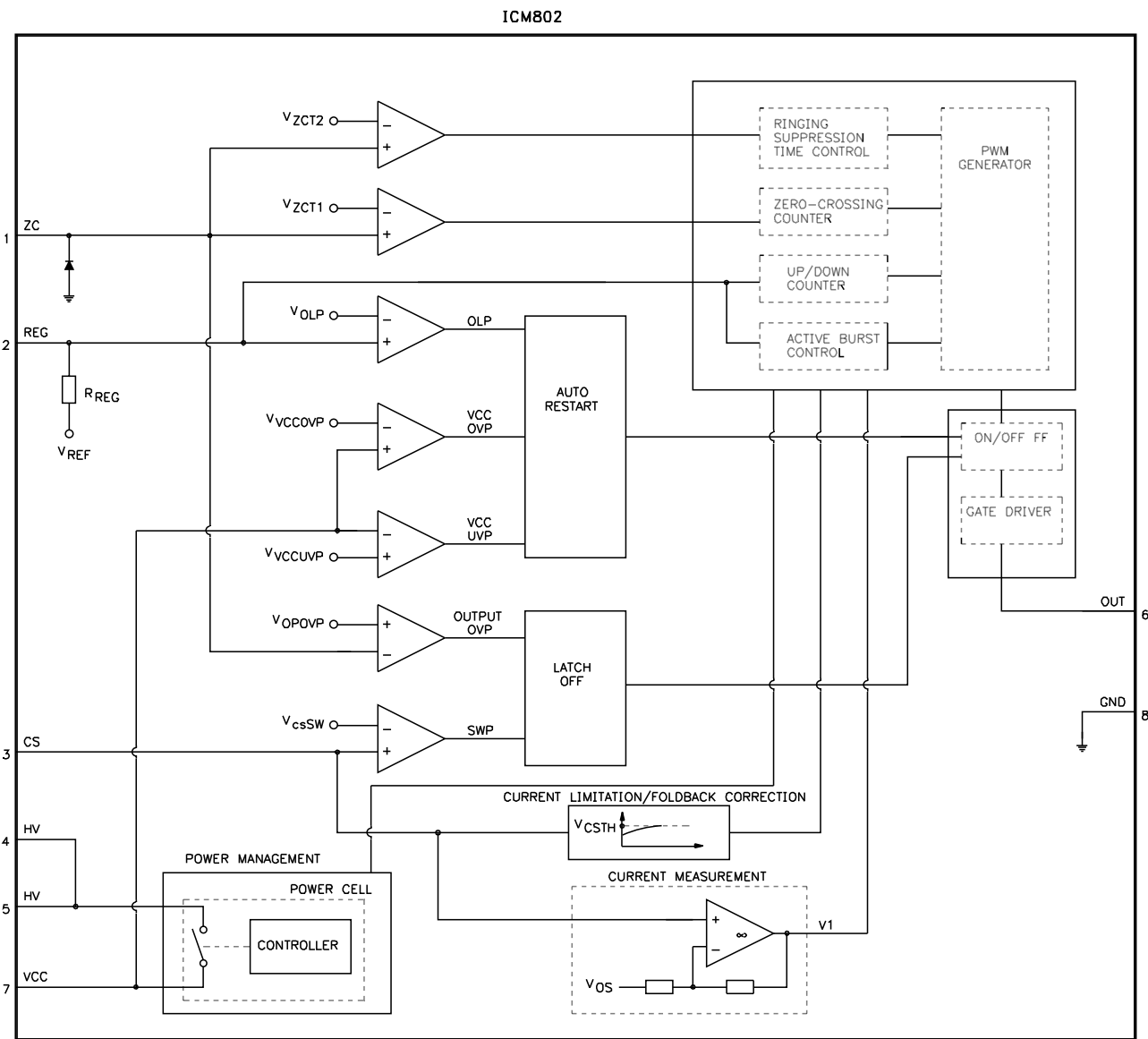
POWER SUPPLY (IP) BOARD BOTTOM



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POWER SUPPLY (IP) BOARD BOTTOM, GRIDTRACE LOCATION GUIDE											
C1801	C10	CM824	D6	Q1810	F11	R1850	C11	RM812	B4	RP803	F3
C1802	C10	CM825	E6	Q1813	G9	R1852	D11	RM814	B4	RP804	F3
C1804	C10	CM826	E3	Q1814	I9	R1853	E11	RM816	B4	RP805	F2
C1806	C10	CM827	E3	QM804	B3	R1854	E12	RM817	B3	RP806	G4
C1807	D9	CM828	E1	QM805	B2	R1855	D11	RM818	B4	RP807	G4
C1808	D10	CM829	E6	QM806	D3	R1856	F12	RM819	B4	RP808	G4
C1809	D9	CM830	F7	QM807	E2	R1857	F11	RM820	B3	RP809	G4
C1811	D10	CM831	F6	QP802	F2	R1858	E12	RM821	B3	RP810	G4
C1812	D11	CM833	B4	QP803	F3	R1859	E12	RM822	B3	RP811	H6
C1813	D11	CP805	F2	R1804	C9	R1860	E11	RM823	B2	RP812	H6
C1814	C11	CP806	H6	R1805	D11	R1861	E11	RM824	B2	RP813	H6
C1817	H11	CP807	I6	R1806	D11	R1862	F10	RM825	C3	RP814	H6
C1818	G11	CP808	I6	R1808	D10	R1864	G9	RM826	C4	RP815	H6
C1819	G12	CP809	I6	R1809	D10	R1865	G10	RM827	D4	R9816	I6
C1820	H11	CP811	J6	R1810	D10	R1866	I9	RM828	C4	RP817	I6
C1821	G12	CP812	G2	R1811	D10	R1868	I9	RM829	D4	RP818	I6
C1823	B9	D1801	D11	R1813	C9	R1869	I10	RM830	D4	RP819	I8
C1824	C9	D1803	G11	R1814	G11	R1870	G9	RM831	D6	RP820	J8
C1825	B11	D1807	H11	R1815	D9	R1871	I9	RM833	D6	RP821	J5
C1826	D12	D1808	D12	R1817	C11	R1872	H11	RM834	E4	RP822	K6
C1827	A10	D1814	G10	R1819	D11	R1873	H11	RM836	E2	RP823	K6
C1828	A9	D1815	I10	R1820	C11	R1876	H11	RM837	E1	RP824	L6
C1829	A9	DM808	A2	R1823	C12	R1879	A11	RM838	E3	RP825	L6
C1830	A10	DM809	C4	R1824	C12	R1891	F9	RM839	E6	RP826	L6
C1831	B10	DM810	D6	R1825	C12	R1892	E8	RM840	E3	RP827	L6
C1832	B11	DM811	E2	R1827	G11	R1893	E8	RM841	E2	RP828	F2
C1833	A11	DM812	F7	R1828	G11	R1894	F8	RM842	E1	RP829	F3
C1834	B11	DM814	E6	R1829	H11	R1895	E8	RM844	E2	ZD1804	H9
C1835	E11	DM815	F7	R1831	D12	R1896	D11	RM845	F7		
C1836	E10	DP803	I9	R1832	G12	R1897	E9	RM846	E6	ZD1805	J9
C1842	H11	DP804	K6	R1836	A9	R1898	C12	RM847	F7	ZDM802	B7
C1843	H11	DP805	F2	R1837	A9	R1899	E9	RM848	F5	ZDM803	B7
C1845	H11	ICP802	I6	R1838	A9	RM804	A2	RM849	E7	ZDM805	E6
C1849	D10	IC1801	C10	R1839	A10	RM805	A2	RM850	A4	ZDM806	F7
C1855	E9	IC1802	B10	R1840	A11	RM806	A4	RM851	D7	ZDP801	F2
C1892	B11	IC1803	B10	R1841	A11	RM807	B4	RM852	C7	ZDP802	J9
CM810	D11	IC1804	B11	R1842	A11	RM809	B4	RM853	C7		
CM816	A3	IC1805	G11	R1843	A11	RM810	A2	RM854	C1		
CM817	A2	Q1803	D9	R1844	A11	RM811	B8	RP802	F3		
CM818	B4	Q1804	D11	R1846	A11						
CM819	B4	Q1805	E12	R1847	B11						
CM820	B4	Q1806	F12	R1848	B11						
CM821	C4	Q1807	F12	R1849	B10						
CM822	C4	Q1808	F12								
CM823	C3	Q1809	F11								

SAMSUNG
MODELS LN40A540P2FXZA/C (CHASSIS GPR40MU5)



PARTS LIST

Item No.	Type No.	Mfr. Part No.	Notes
D1801, 03	HSMS-2804	-	Code A4
D1807	BAV99	-	Code A7
D1808, 14, 15	HSMS-2804	-	Code A4
D1816	-	-	-
DM801, 02	-	-	-
DM803	MBR10150CT	-	-
DM804	-	-	-
DM805	MBR10100	-	-
DM806	-	-	-
DM807	-	-	-
DM808, 09	HSMS-2804	-	Code A4
DM810	BAS16MMBD414	-	Code 5D
DM811	HSMS-2804	-	Code A4
DM812	HSMS-2804	-	Code A4
DM814	-	-	-
DM815	HSMS-2804	-	Code A4
DP801	BYC10X-600	-	BYC10X
DP802	-	-	-
DP803, 04, 05	HSMS-2804	-	Code A4
IC1801	LX1692B1DW	-	-
IC1802	74AHC123A	-	-
IC1803	-	-	Code A86
IC1804, 05	KIA358F	-	A358F
IC1806, 07	KIA78S12P	-	-
IC1808	KIA431A	-	-
ICM801	KIA431A	-	-
ICM802	ICE2QS01	-	-
ICM803	KIA431A	-	-
ICP801, 02	KIA431A	-	-
PC1801	NEC2561A	-	-
PCM801, 02	NEC2561A	-	-
Q1803, 04	MMBT2222A	-	Code 1P
Q1805, 06	MMBT2222A	-	Code 1P
Q1807	MMBT2907A	-	Code 2F
Q1808, 09	MMBT2222A	-	Code 1P
Q1810	MMBT2907A	-	Code 2F
Q1813, 14	2N7004A	-	Code 704
Q1815, 16	STP9NK50ZFP	-	-
QM801	KSC2331	-	-
QM802	2SK3532	-	-
QM803	MPS651Y	-	-
QM804	SUD50N04-07L	-	50N04
QM805	MMBT2907	-	Code 2F
QM806	SI4894DY	-	-
QM807	MMBT2222A	-	Code 1P
QP801	IPW50R199CP	-	5R199P
QP802	MMBT2222A	-	Code 1P
QP803	MMBT2907A	-	Code 2F
ZD1804, 05	BZX84C24T	-	Code Y9
ZDM802	BZX84C15	-	Code Y4
ZDM803	HSMS-2804	-	Code A4
ZDM805	BZX84C15	-	Code Y4
ZDM806	BZX84C24T	-	Code Y9
ZDP801	MMBZ5231B	-	Code Z2
ZDP802	BZX84C24T	-	Code Y9

Item No.	Function/Rating	Mfr. Part No.	Notes
B1801	Ferrite Bead	-	-
BD801S	Ferrite Bead	-	-
BM801, 02	Ferrite Bead	-	-
BP801, 02	Ferrite Bead	-	-
BP803, 04, 05	Ferrite Bead	-	-
C1847	27pF 6kV	-	-
C1897	68pF 1kV	-	-
CM805	68pF 1kV	-	-
CM811	100pF 1kV	-	-
CP802, 03	100uF 450V	-	-
CP804	100pF 1kV	-	-
CX801S	1uF 275VAC	-	-
CX802S	.001 275VAC	-	-
CX803S	.0047 275VAC	-	-
CX821S, 22S	470pF 1kV	-	-
CX804S	.001 275VAC	-	-
CY813S	470pF 1kV	-	-
F1801	Fuse	-	3.15A, 250VAC
FB801 Thru			
FB806	Ferrite Bead	-	-
FS801	Fuse	-	6.3A, 250VAC
LM801, 02, 03	-	-	-
LP801	110013ND	-	-
LX801S, 02S	Line Choke	-	-
NT801S, 02S	SCK2R58	-	2.5 NTC
P1	Line Cord	3903-000144	AC
RP801	0.1 5W	-	-
T1801-1, -2	-	-	0010EF
T1802	SMP Transformer	-	210005HD
TM801	SMP Transformer	-	110014ND
V801	-	-	-
# TU201	Tuner	BN40-00125A	DTVS20FTL111A
# VX801S	Varistor	-	TVR14751
	Panel	BN07-00557A	LTF400HA02
	PC Board	-	Driver
	PC Board	BN96-07270G	IR/LED
	PC Board	BN96-07269A	Key
	PC Board	BN41-00975A	Main, BN94-02017A
	PC Board	BN44-00197A	Power Supply (IP)
	PC Board	-	T-Con
	Speakers	BN96-06809B	8 Ohms
	Transmitter	BN59-00673A	Remote

Use Lead Free Solder.
For SAFETY use only equivalent replacement part.

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.