

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.

SERVICING THE HIGH VOLTAGE AND CRT

Use EXTREME CAUTION when servicing the high voltage circuits. To discharge static high voltage, connect a 10K ohms resistor in series with a test lead between the receiver ground and CRT anode lead. DO NOT lift the CRT by the neck. Always wear shatterproof goggles when handling the CRT to protect eyes in case of implosion.

X-RAY RADIATION AND HIGH VOLTAGE LIMITS

Be aware of the instructions and procedures covering X-ray radiation. In solid-state receivers and monitors, the CRT is the only potential source of X-rays. Keep an accurate high voltage meter available at all times. Check meter calibration periodically. Whenever servicing a receiver, check the high voltage at various brightness levels to be sure it is regulating properly. Keep high voltage at rated value, NO HIGHER. Excessive high voltage may cause X-ray radiation or failure of associated components. DO NOT depend on protection circuits to keep voltage at rated value. When troubleshooting a receiver with excessive high voltage, avoid close contact with the CRT. DO NOT operate the receiver longer than necessary. To locate the cause of excessive high voltage, use a variable AC transformer to regulate voltage. In present receivers, many electrical and mechanical components have safety related characteristics which are not detectable by visual inspection. Such components are identified by a # on both the schematic and the parts list. For SAFETY, use only equivalent replacement parts when replacing these components.

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.

HIGH VOLTAGE SHUTDOWN TEST

Place a jumper between pins 3 and 4 of IC803. Apply 9.0V to the cathode of D001. Connect a high voltage probe to the CRT anode. Set the AC supply to 45VAC. Turn the receiver on and slowly increase the AC supply. Confirm the high voltage does not exceed 37.1kV when the horizontal just begins to pull out of sync. If the high voltage should exceed 37.1kV or the receiver fails to lose horizontal sync, the horizontal oscillator disable circuit should be repaired. Remove jumper and the 9.0V DC supply.

The listing of any available replacement part herein in no case constitutes a recommendation, warranty, or guarantee by SAMS Technical Publishing, LLC 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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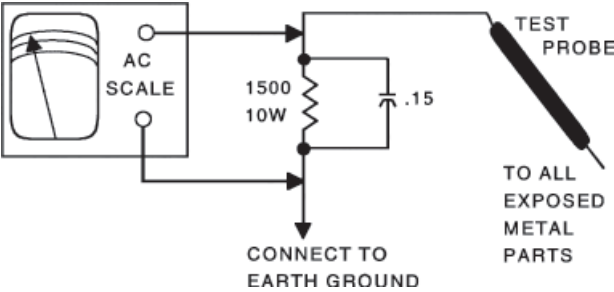
SAFETY CHECKS — FIRE AND SHOCK HAZARD

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.



PHOTOFACT[®] Technical Service Data
SILVER
5405
RCA

MODEL F36683ETFM1 (CHASSIS CTC197CE2)



Representative Model

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Essential Coverage For Servicing a Television Receiver...

- Schematics
- Component locations
- Parts list

Coverage includes these additional models and chassis:

Models	Chassis
F32683SBFM1	CTC197CE2
F32683SBJX1	CTC197CE2
F36683ETJX1	CTC197CE2



OCTOBER 2008 SET 5405

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SET 5405

MODEL F36683ETFM1 (CHASSIS CTC197CE2)

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TUNER INFORMATION

MAIN TUNER VOLTAGE CHART

Pin	VHF Low Band	VHF High Band	UHF Band
U17501			
1	1.7V	1.7V	1.7V
2	2.6V	2.6V	2.6V
3	2.6V	2.6V	2.6V
4	34.0V	34.0V	34.0V
5	2.2V	4.3V	3.9V
6	1.2V	4.5V	5.1V
7	1.5V	4.3V	4.5V
8	1.9V	4.8V	4.9V
9	5.0V	5.0V	5.0V
10	1.5V	1.5V	1.5V
11	1.5V	1.5V	1.5V
12	0V	0V	0V
13	0V	0V	0V
14	11.7V	11.7V	.3V
15	.1V	.1V	4.8V
16	.1V	.1V	4.8V
17	11.7V	.2V	11.6V
18	4.9V	4.9V	4.9V
19	4.9V	4.9V	4.9V
20	0V	0V	0V
U17701			
1	8.1V	8.1V	8.1V
2	8.1V	8.1V	8.1V
3	0V	0V	0V
4	4.1V	4.1V	3.6V
5	4.1V	4.1V	3.6V
6	3.7V	3.7V	4.0V
7	3.7V	3.7V	4.0V
8	12.0V	12.0V	12.0V
9	11.7V	11.7V	11.7V
10	11.7V	11.7V	11.7V
11	.1V	.1V	4.8V
12	2.8V	2.8V	2.8V
13	4.8V	4.8V	7.9V
14	4.8V	4.8V	7.9V
15	2.8V	2.8V	2.8V
16	2.8V	2.8V	2.8V
17	8.0V	8.0V	4.6V
18	8.0V	8.0V	4.6V
19	2.8V	2.8V	2.8V
20	0V	0V	0V
Q17101			
G1	1.6V	1.6V	0V
G2	5.3V	5.3V	5.3V
D	15.0V	15.0V	0V
S	0V	0V	0V
Q17301			
G1	0V	0V	4.4V
G2	5.1V	5.1V	5.1V
D	0V	0V	11.5V
S	0V	0V	5.5V
Q17503			
E	12.0V	12.0V	12.0V
B	11.7V	11.0V	11.7V
C	-11.1V	11.6V	-11.1V
Q17504			
E	12.0V	12.0V	12.0V
B	11.7V	11.7V	11.0V
C	11.6V	11.6V	-4.0V
Q17505			
E	12.0V	12.0V	12.0V
B	11.6V	11.6V	-4.0V
C	.1V	.1V	11.6V
Q17601			
E	.6V	.6V	.6V
B	1.9V	1.9V	1.9V
C	5.2V	5.2V	5.2V

NOTE: VHF Low Band voltages taken on channel 2.
VHF High Band voltages taken on channel 7.
UHF Band voltages taken on channel 14.

PIP TUNER BOARD CIRCUIT VOLTAGE CHART

Pin	VHF Low Band	VHF High Band	UHF Band
U17301			
1	5.1V	5.1V	5.1V
2	3.1V	3.1V	3.1V
3	7.9V	7.9V	7.9V
4	3.1V	3.1V	3.1V
5	7.9V	7.9V	7.9V
6	0V	0V	0V
7	6.1V	6.1V	.2V
8	9.0V	9.0V	9.0V
9	3.4V	3.4V	3.4V
10	3.1V	3.1V	3.1V
11	7.5V	7.5V	9.0V
12	3.1V	3.1V	3.1V
13	0V	0V	0V
14	9.6V	9.6V	7.1V
15	3.4V	3.4V	3.4V
16	3.4V	3.4V	3.4V
U17401			
1	1.7V	1.7V	1.7V
2	2.6V	2.6V	2.6V
3	2.6V	2.6V	2.6V
4	34.0V	34.0V	34.0V
5	2.3V	4.3V	4.1V
6	1.4V	5.0V	4.5V
7	1.4V	4.4V	4.2V
8	1.7V	4.8V	3.5V
9	5.0V	5.0V	5.0V
10	1.5V	1.5V	1.5V
11	1.5V	1.5V	1.5V
12	0V	0V	0V
13	0V	0V	0V
14	11.2V	11.2V	.3V
15	0V	0V	0V
16	0V	0V	0V
17	11.9V	.2V	.2V
18	4.9V	4.9V	4.9V
19	4.9V	4.9V	4.9V
20	0V	0V	0V
U17101			
G1	.2V	.2V	1.8V
G2	2.5V	2.5V	2.5V
D	.4V	.4V	11.8V
S	0V	0V	0V
U17102			
G1	1.7V	1.7V	0V
G2	5.0V	5.0V	5.0V
D	11.7V	11.7V	0V
S	0V	0V	0V
U17402			
E	12.0V	12.0V	12.0V
B	11.9V	11.2V	11.2V
C	11.0V	11.9V	11.9V
U17403			
E	12.0V	12.0V	12.0V
B	.4V	.4V	11.9V
C	11.9V	11.9V	0V
U17404			
E	12.0V	12.0V	12.0V
B	11.9V	11.9V	11.2V
C	.4V	.4V	11.9V
NOTE:			
VHF Low Band voltages taken on channel 2. VHF High Band voltages taken on channel 7. UHF Band voltages taken on channel 14.			

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.

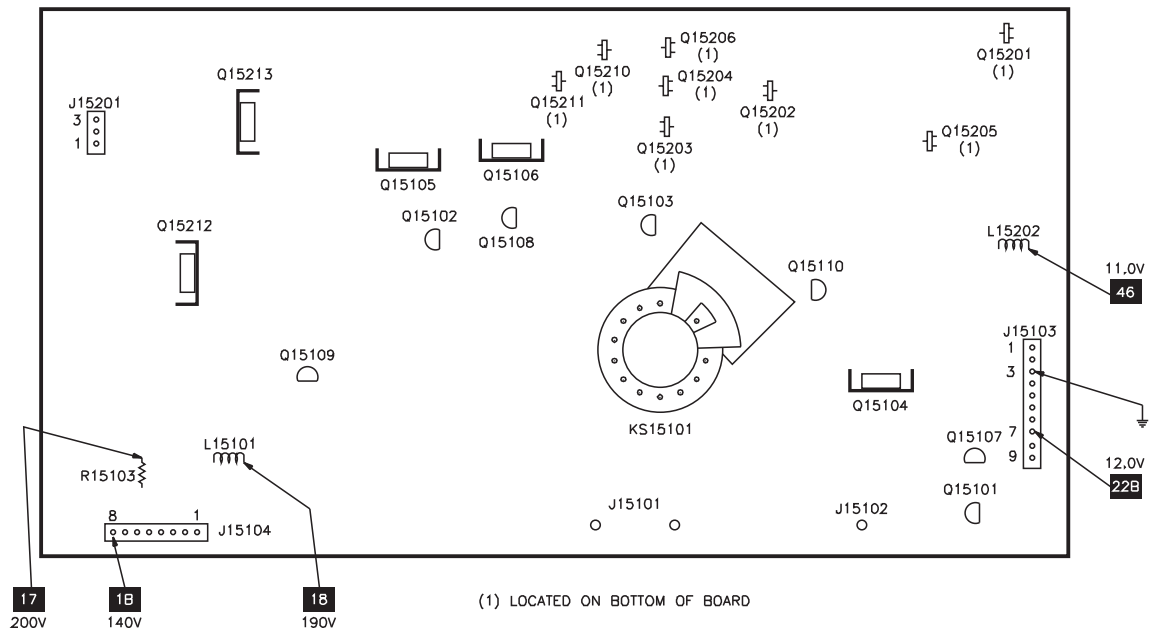
Obtaining Parts

Many of these parts are available from your local Sams authorized distributor or the manufacturer of the equipment. Call Sams for the name of your nearest distributor:

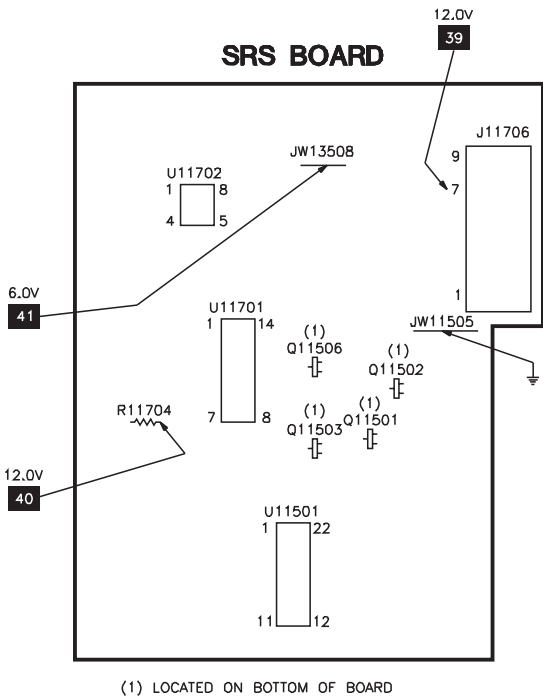
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PLACEMENT CHART

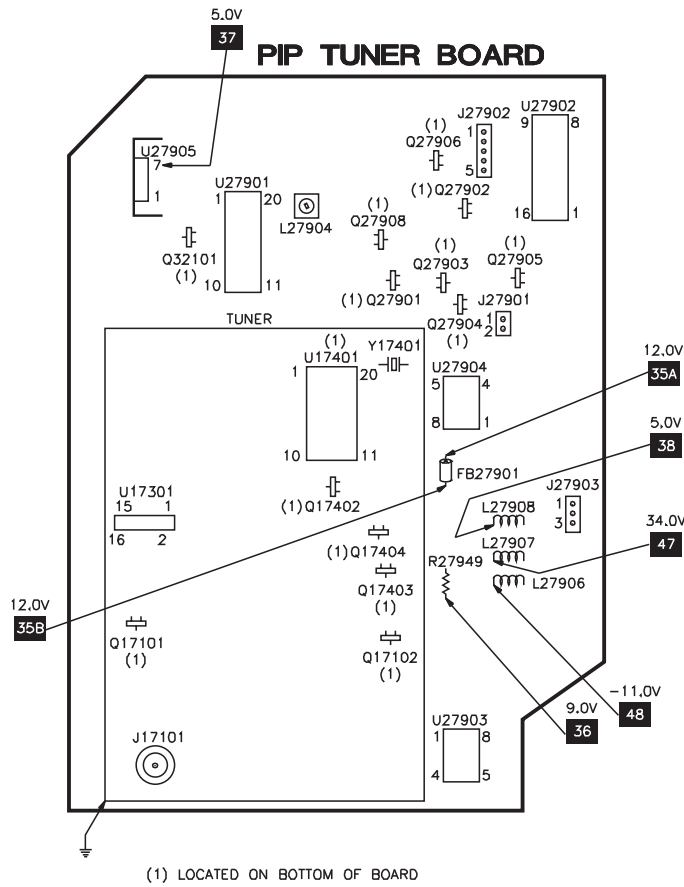
CRT BOARD



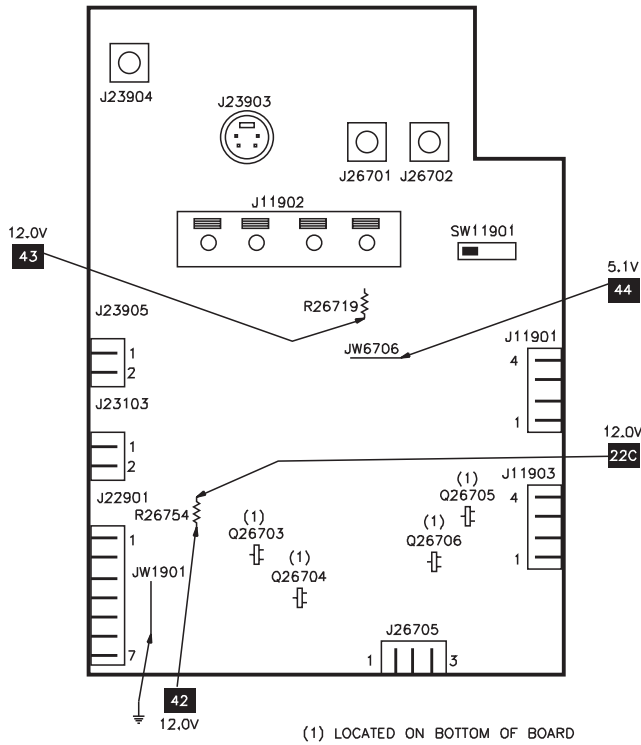
SRS BOARD



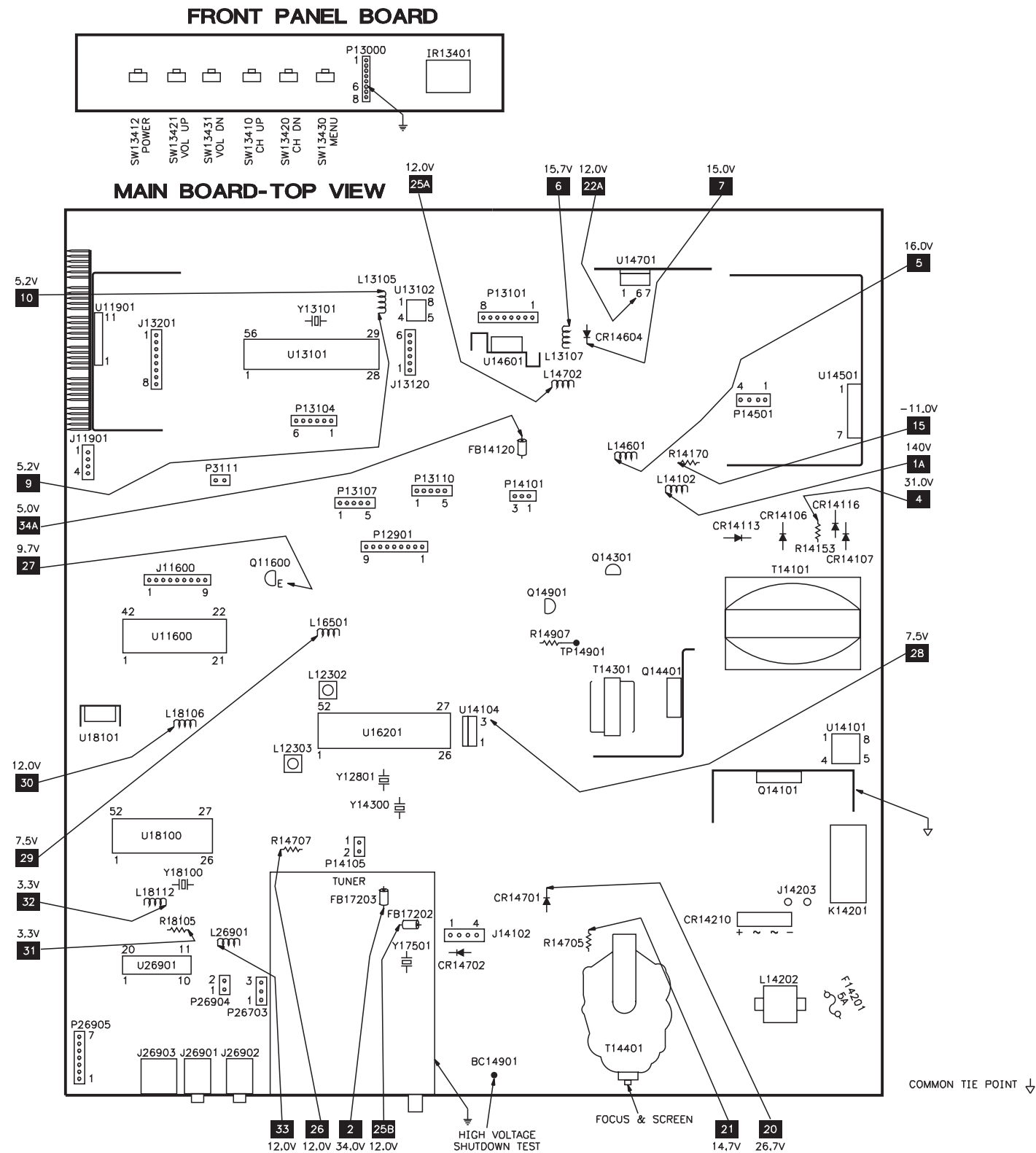
PIP TUNER BOARD



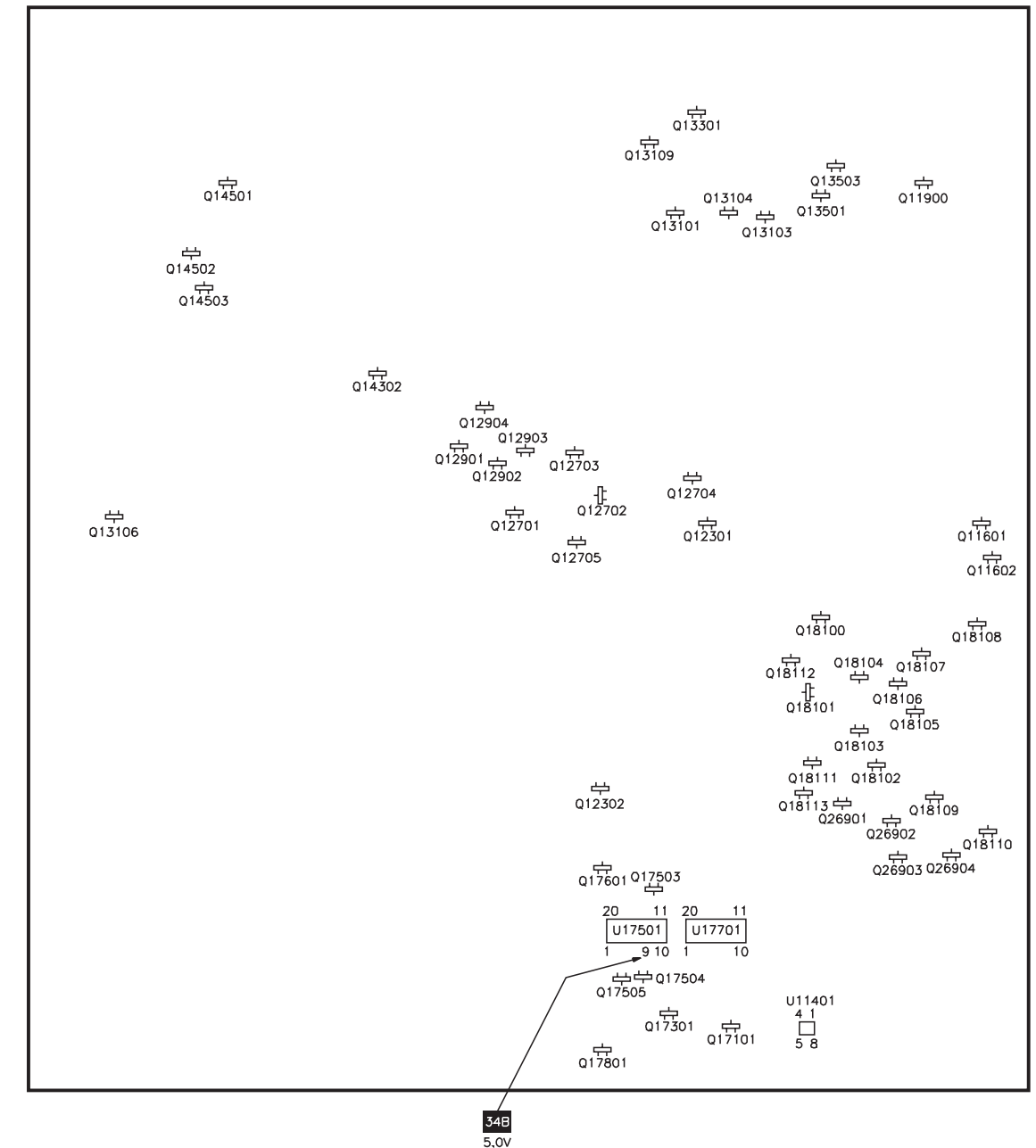
IN/OUT BOARD



PLACEMENT CHART continued



MAIN BOARD-BOTTOM VIEW



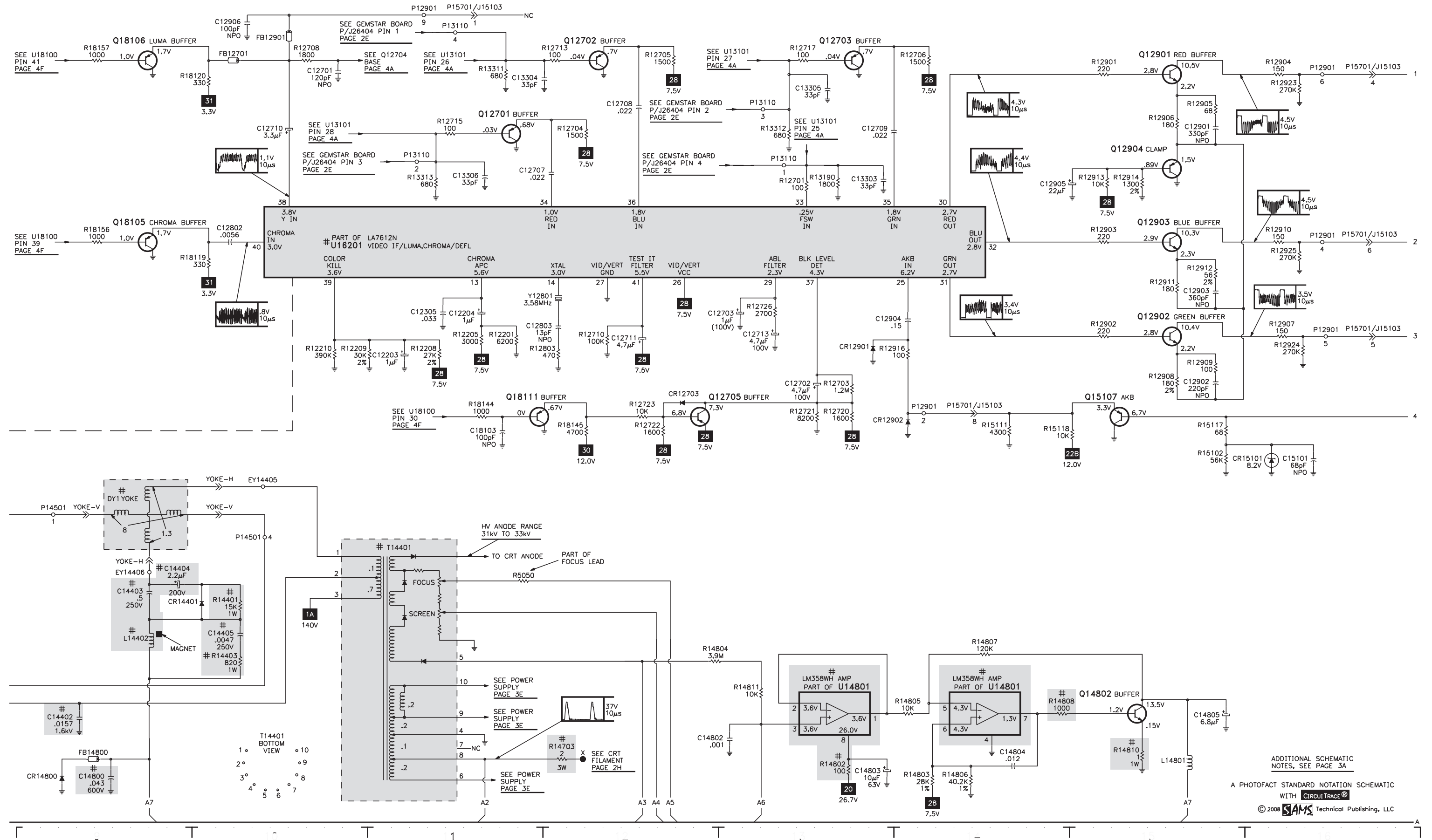
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TELEVISION SCHEMATIC continued

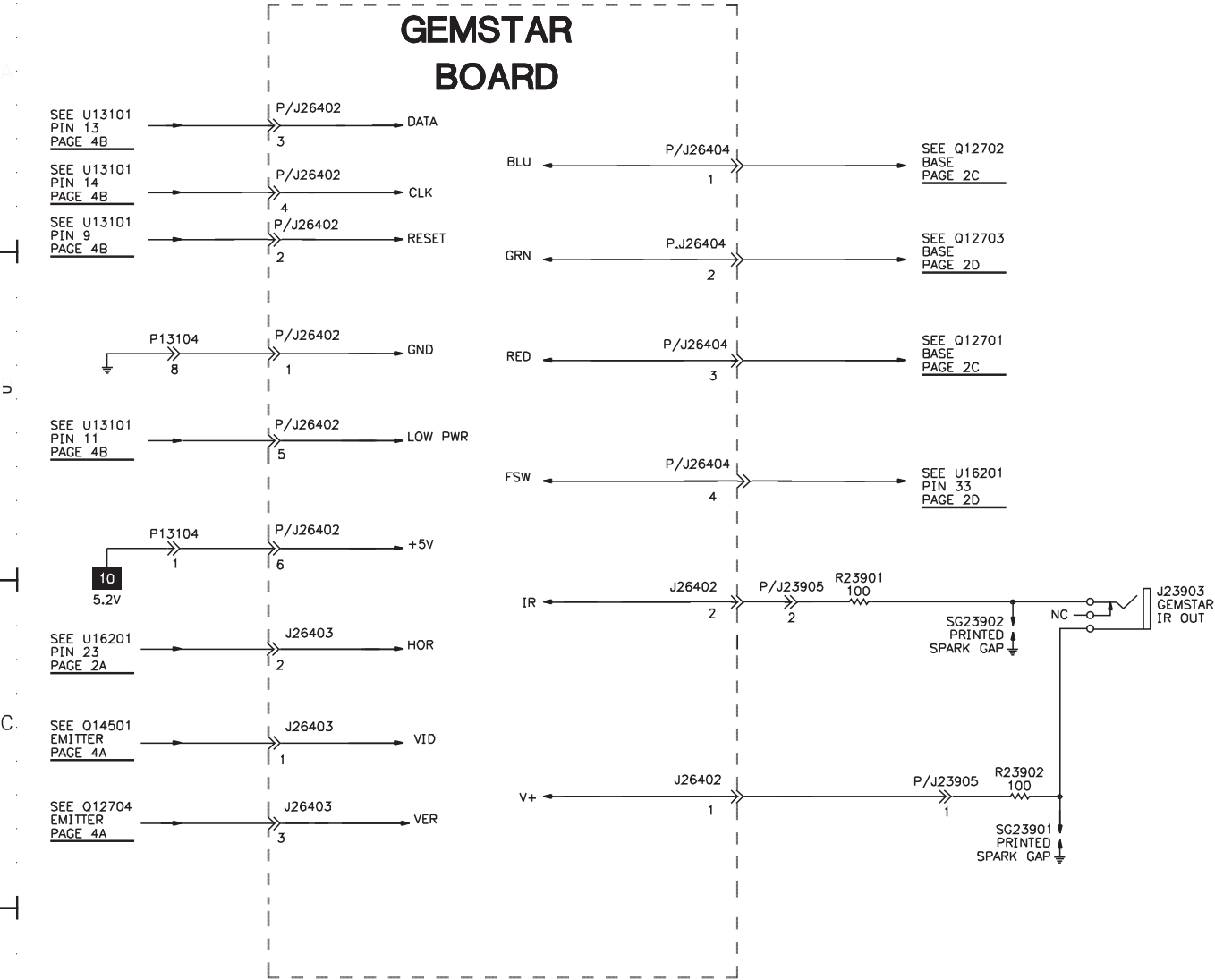


ADDITIONAL SCHEMATIC NOTES, SEE PAGE 3A

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E
GEMSTAR SCHEMATIC



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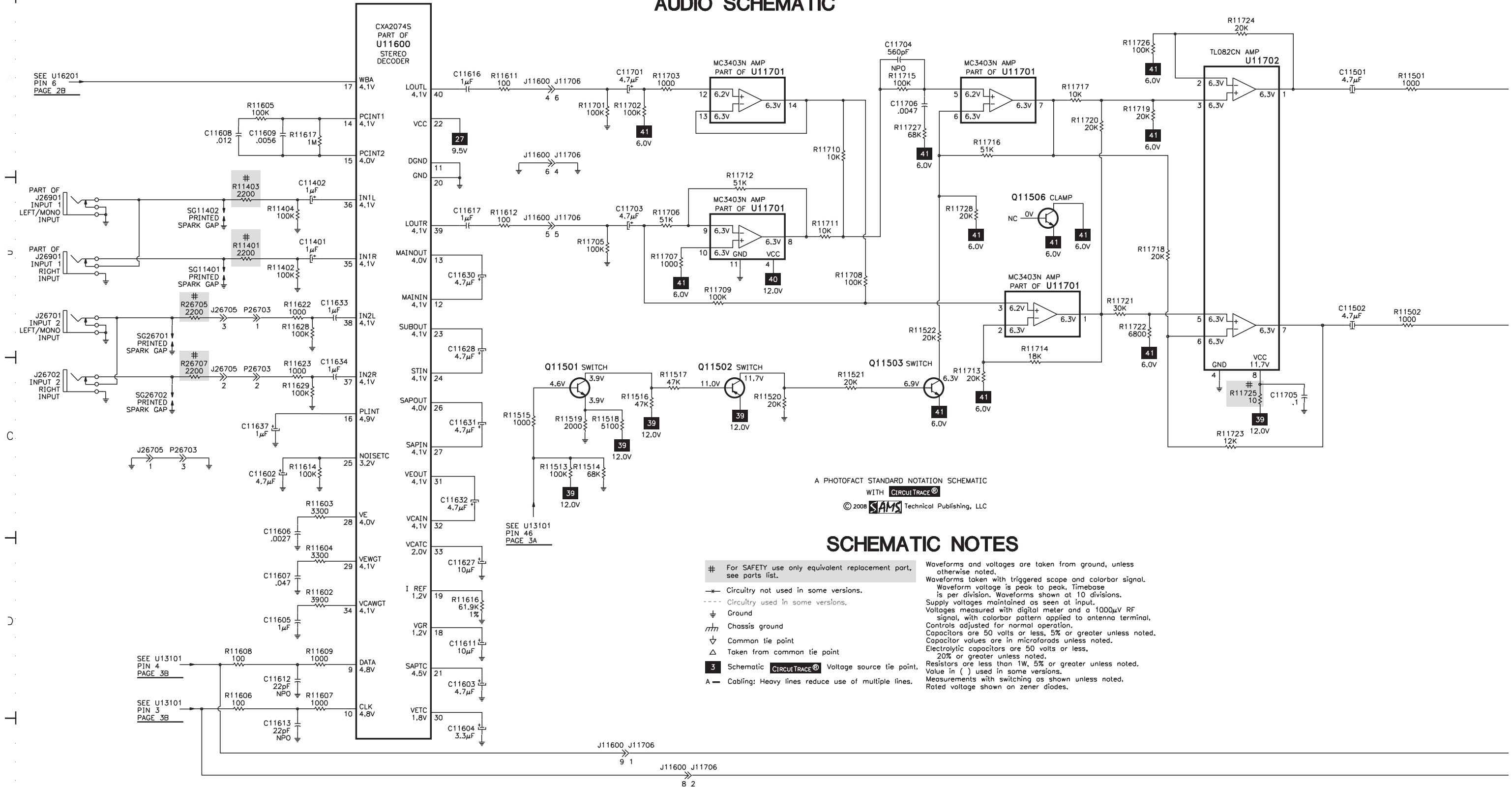
TEST EQUIPMENT

Test equipment listed by participating manufacturer illustrates typical or equivalent equipment used by Sams engineers to obtain measurements. This equipment is compatible with most types used by field service technicians.

Equipment	Sencore No.
Oscilloscope	SC3100
Generators	
RGB	CM2125
Multiburst Signal	VG91
Color Bar	VG91
TV Stereo	VG91
Digital VOM	SC3100
Frequency Meter	SC3100
Hi-Voltage Probe	HP200
Accessory Probes	TP212
Isolation Transformer	PR570
Capacitance Analyzer	LC102
CRT Analyzer	CR7000
AC Leakage Tester	PR570
Inductance Analyzer	LC102
Flyback Yoke Tester	TVA92
Field Strength Meter	SL753
Transistor Tester	TF46



AUDIO SCHEMATIC



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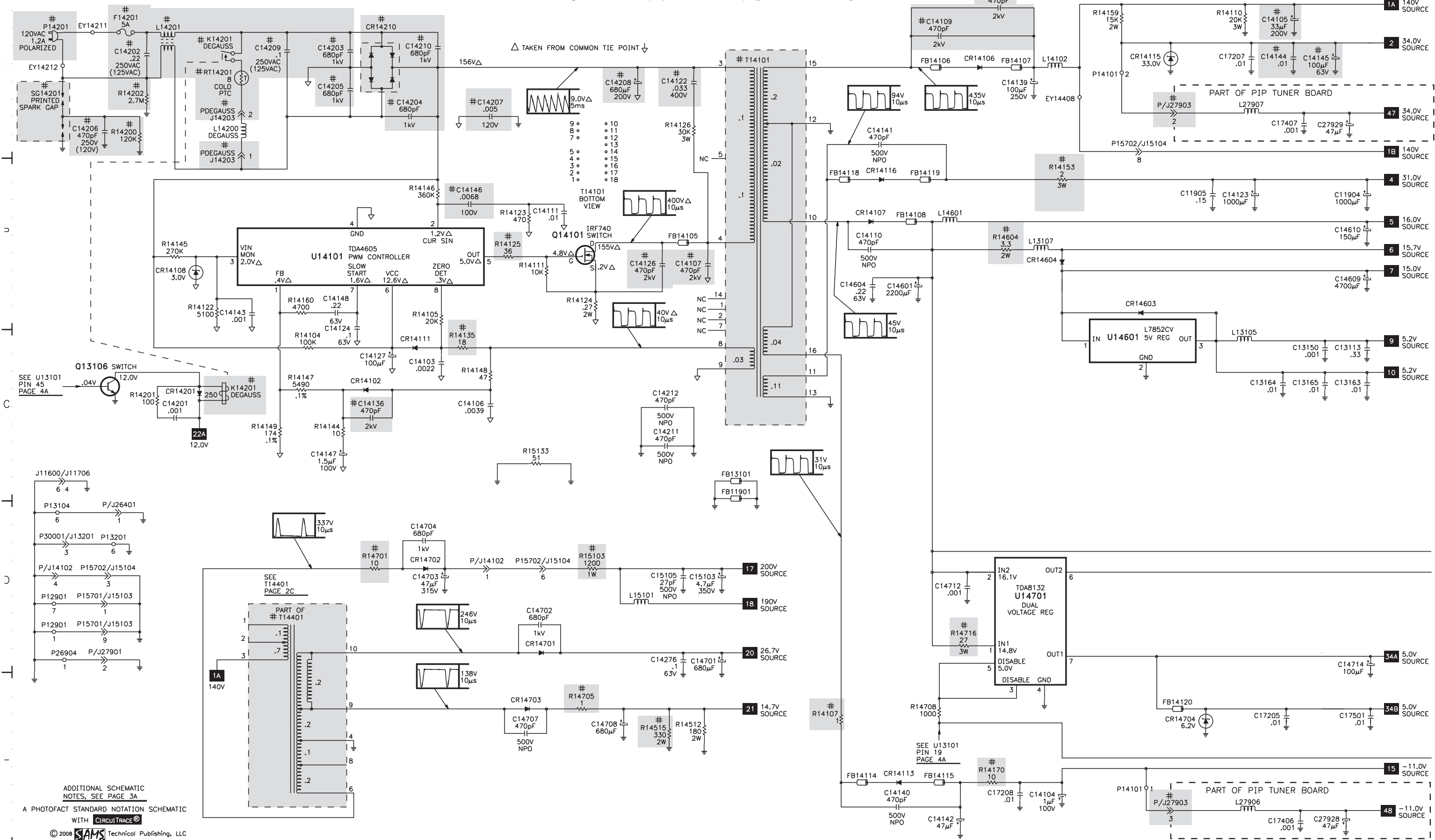


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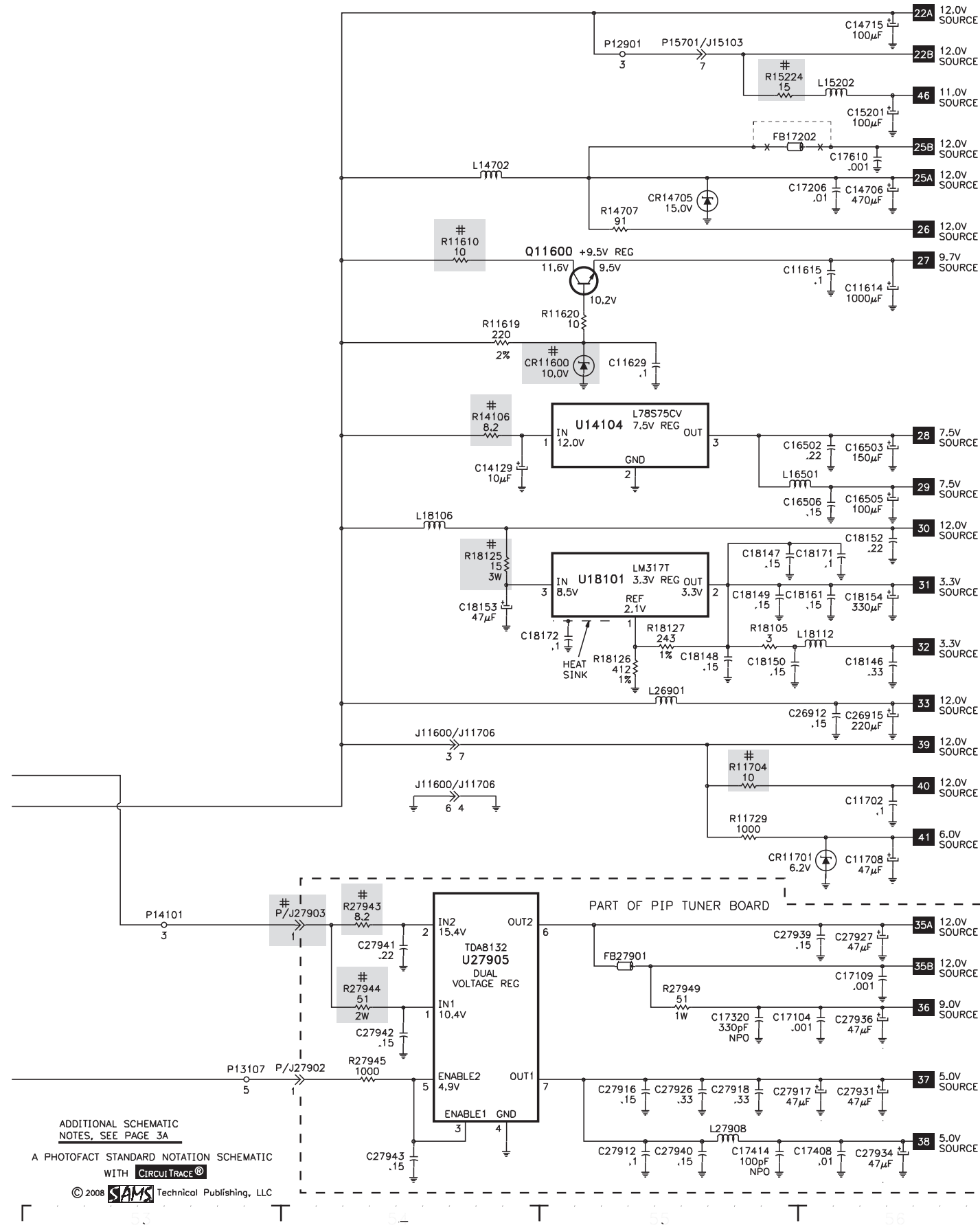
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POWER SUPPLY SCHEMATIC

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G
POWER SUPPLY SCHEMATIC continued



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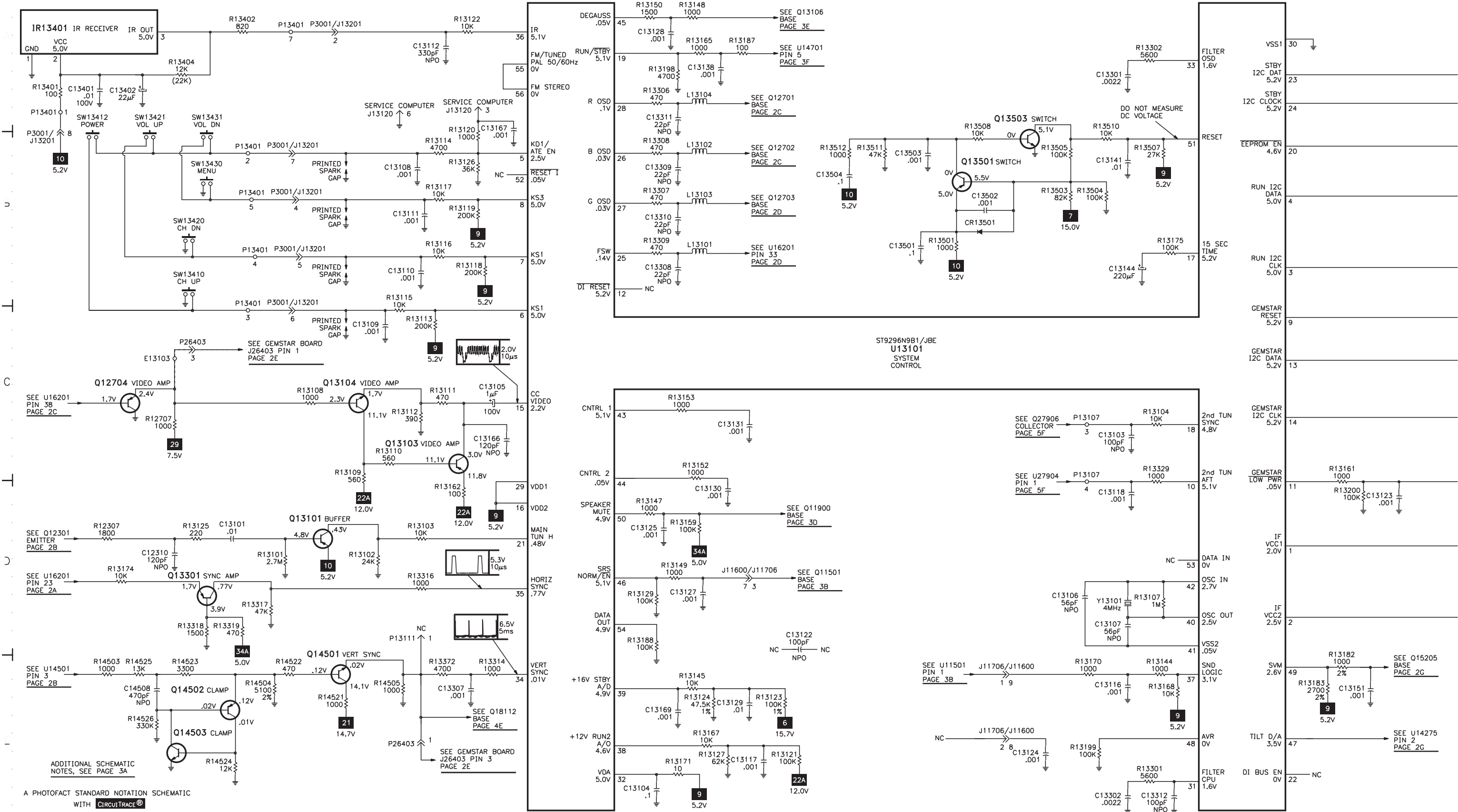
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 - Miscellaneous adjustments
 - Placement chart
 - Parts list

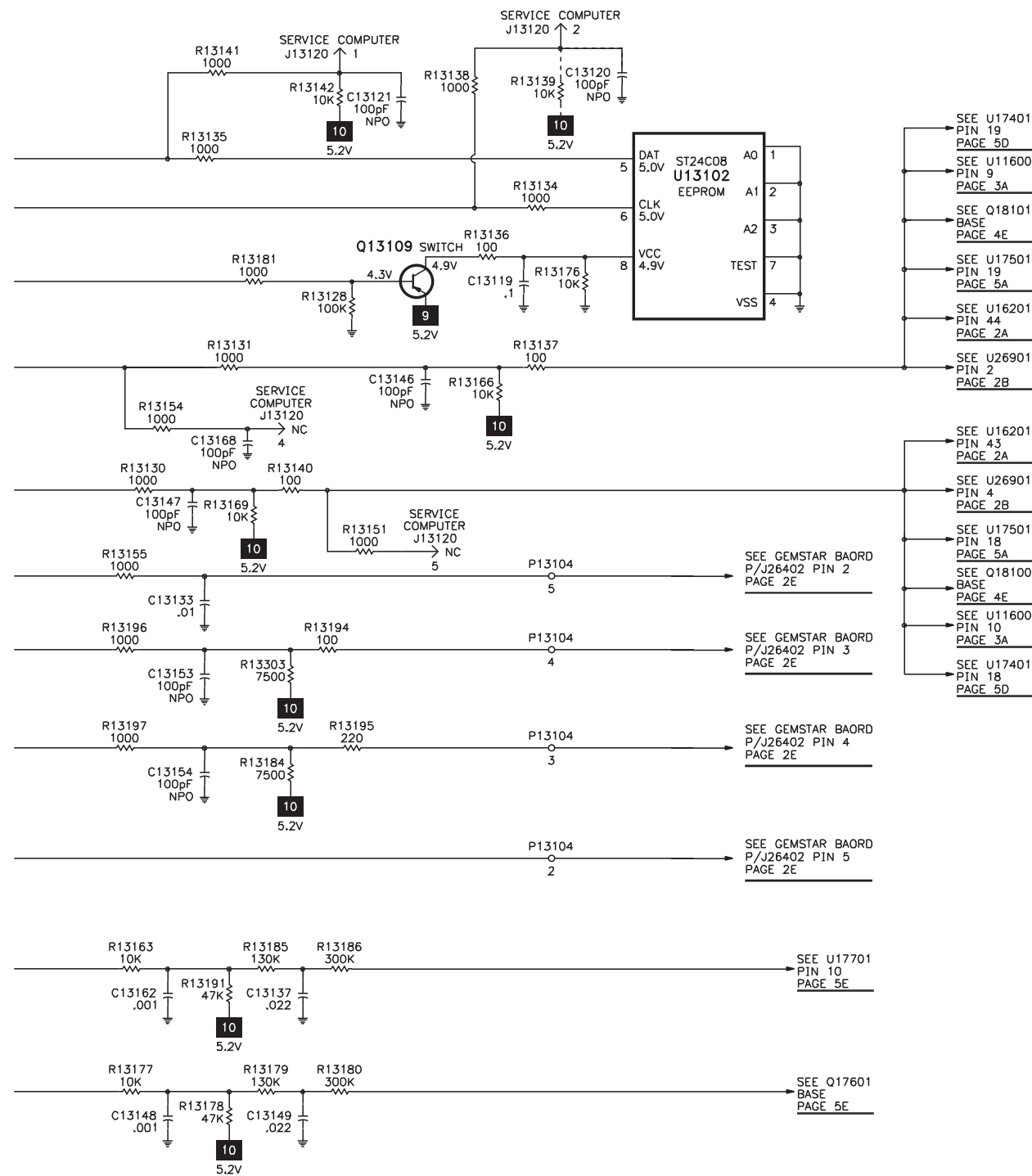
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MODEL F36683ETFM1 (CHASSIS CTC197CE2)

SYSTEM CONTROL SCHEMATIC



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SYSTEM CONTROL SCHEMATIC continued



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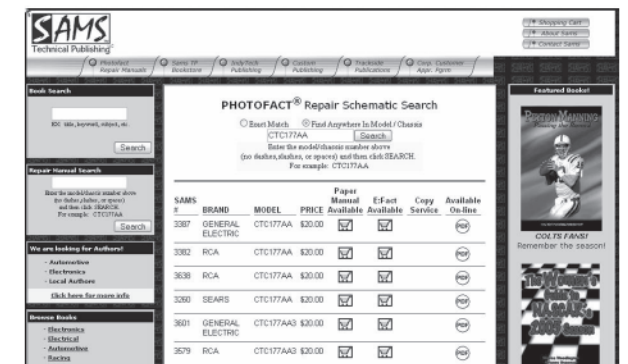
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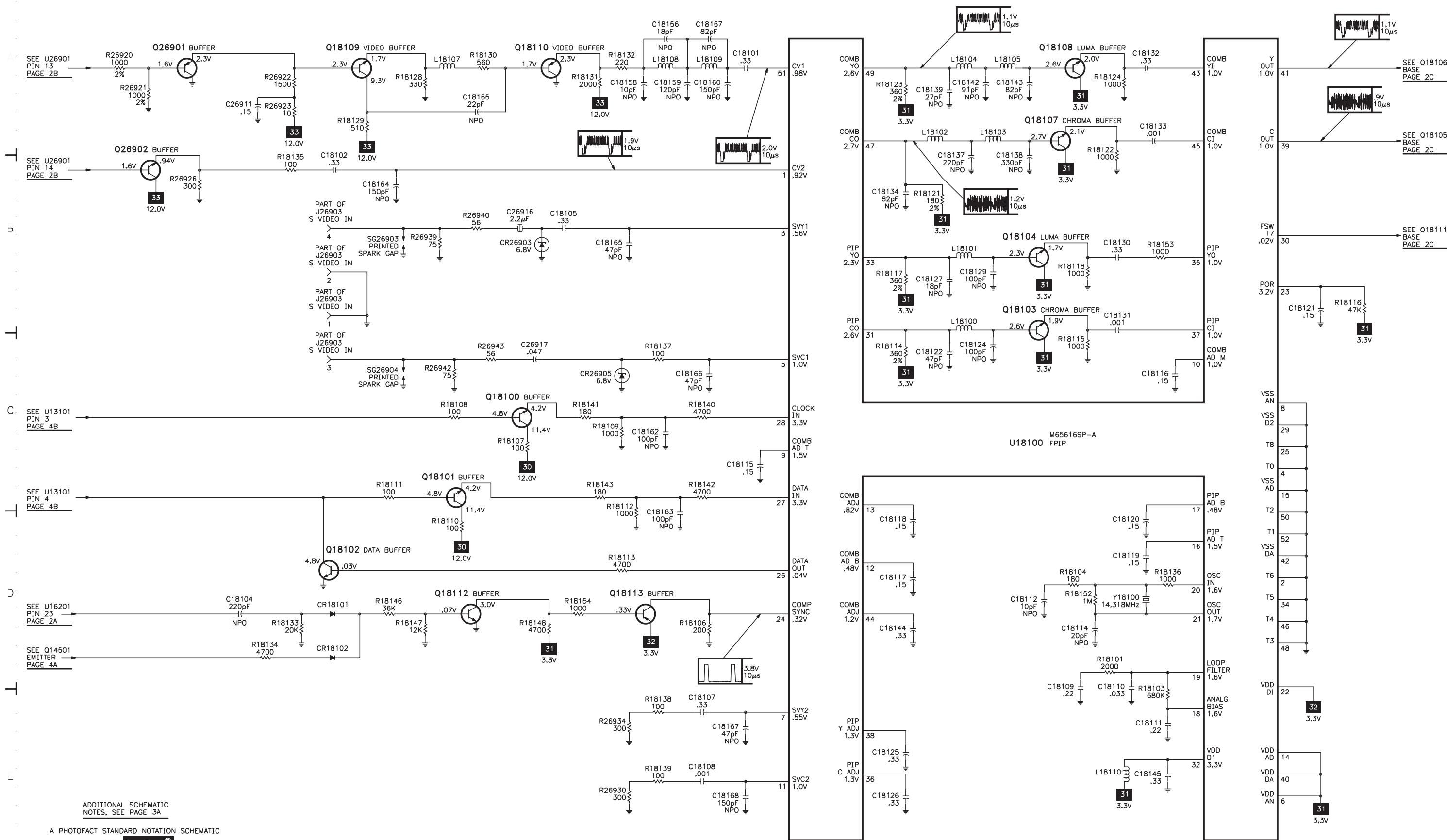
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E

PIP SCHEMATIC

F

ADDITIONAL SCHEMATIC
NOTES, SEE PAGE 3A

A PHOTOFACIT STANDARD NOTATION SCHEMATIC

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MISCELLANEOUS ADJUSTMENTS

NOTE: All procedures require an antenna connected and power applied to the set.

HIGH VOLTAGE CHECK

Tune in a picture. Set brightness, contrast, and color to MINIMUM. Connect a high voltage probe to the CRT anode. High voltage should measure 31kV to 33kV.

COLOR TEMPERATURE

NOTE: See Service Adjustment Parameters to change drive and bias values.

Press menu button for collapsed raster service line. Disconnect the antenna. Preset the red, green, and blue drive values to 32. Adjust screen control for a service line that is just visible. Adjust red, green, and blue drives to obtain a white raster. Check the low light to high light gray scale tracking. Repeat the procedure, if necessary, to obtain the best performance.

SERVICE MENU

The following adjustment procedures are accessed thru a service menu. To access the service menu, turn the receiver on, press the menu button and hold it down while pressing the power button. While holding down the menu button, release the power button and press the volume + button. The screen will display a one line menu, on the left the parameter P0, and on the right the value of that parameter V0. Release buttons. Adjustments are made by selecting the proper parameter and changing the value of that parameter. To change the parameter number use channel up and down buttons. To adjust the current value of that parameter use volume + and - buttons. To access and change any of the adjustments, the proper parameter pass number must be entered. This information is listed at the beginning of the alignment. When these parameters are modified, the T-Chip and the corresponding EEPROM are updated. All service adjustments are bus controlled, except focus and screen.

NOTE: In order to adjust the RF AGC, audio or video levels, tuner, PIP, or stereo circuits, the ChipperCheck hardware and software must be used. This can be purchased from Thomson.

SERVICE ADJUSTMENT PARAMETERS

No.	Parameter Name	On Set Value	Remarks
0	Pass number for service adjustment parameters.		May not advance until value is set to 76.
1	Error Code 1	0	Displays the first error detected. Set to 0 before exiting. See Error Codes Chart.
2	Error Code 2	0	Displays the second error detected. Set to 0 before exiting. See Error Codes Chart.
3	Error Code 3	0	Displays the last error detected. Set to 0 before exiting. See Error Codes Chart.
4	Horizontal Phase	5	Set value to 5.
5	Horizontal Size	20	Adjust for slight horizontal overscan.
6	Pincushion Amplitude	8	Set value to 8.
7	Pincushion Tilt	8	Set value to 8.
8	Top Corner Pin Correction	3	Set value to 3.
9	Bottom Corner Pin Correction	3	Set value to 3.
10	Vertical Centering	32	Adjust to center vertically.
11	Vertical Size	110	Adjust for slight vertical overscan.
12	Vertical Countdown Mode	0	Set value to 0.
13	Red Bias	27	Press menu button on the TV set for setup line.
14	Green Bias	20	Press menu button on the TV set for setup line.
15	Blue Bias	37	Press menu button on the TV set for setup line.
16	Red Drive	32	Press menu button on the TV set for setup line.
17	Green Drive	27	Press menu button on the TV set for setup line.
18	Blue Drive	25	Press menu button on the TV set for setup line.
19	Horizontal Menu Position	22	Set value to 22.
20	Vertical Menu Position	38	Set value to 38.
21	PIP Horizontal Position	39	Set value to 39.
22	PIP Vertical Position	43	Set value to 43.
23	Menu Position	3	Set value to 3.

ERROR CODES CHART

Error Code	Error Location	Condition Indicated
0	No error code	-
2	Detected by U13101	5.1V source is failing.
3	Detected by U13101	12.0V source is failing.
6	Pal/PIP module	Failure to communicate with the PAL/PIP module.
8	U16201	X-ray protection caused high voltage shutdown.
9	U16201	Power supply problem at reset/U16201.
10	PIP module error	Power supply problem at reset/PIP.
11	Stereo decoder	Power supply problem at reset/Stereo decoder.
12	Detected by U13101	A/V input to U13101 held low.
16	Detected by U13101	U13101 run IIC clock or data held low.
17	Detected by U13101	U13101 standby IIC clock or data held low.
34	Star Sight	Starsight fails to acknowledge.
44	U18100	PIP fails to acknowledge.
56	Digital convergence	Digital convergence fails to acknowledge.
64	Octal DAC	Octal DAC fails to acknowledge.
128	Stereo decoder	Stereo decoder fails to acknowledge.
130	Audio	Audio compressor fails to acknowledge.
134	Video matrix switch	Video matrix switch fails to acknowledge.
138	Pal/PIP module	Pal/PIP C1.
142	Pal/PIP module	Pal/PIP C2.
160	Main or PIP tuner EEPROM	Main or PIP tuner EEPROM fails to acknowledge.
186	U16201	U16201 fails to acknowledge.
192	PIP tuner PLL/DAC	PIP tuner PLL IC fails to acknowledge.
194	PIP tuner PLL/DAC	PIP tuner DAC IC fails to acknowledge.
196	Main tuner PLL/DAC	Main tuner PLL IC fails to acknowledge.
198	Main tuner PLL/DAC	Main tuner DAC IC fails to acknowledge.

ERROR CODES

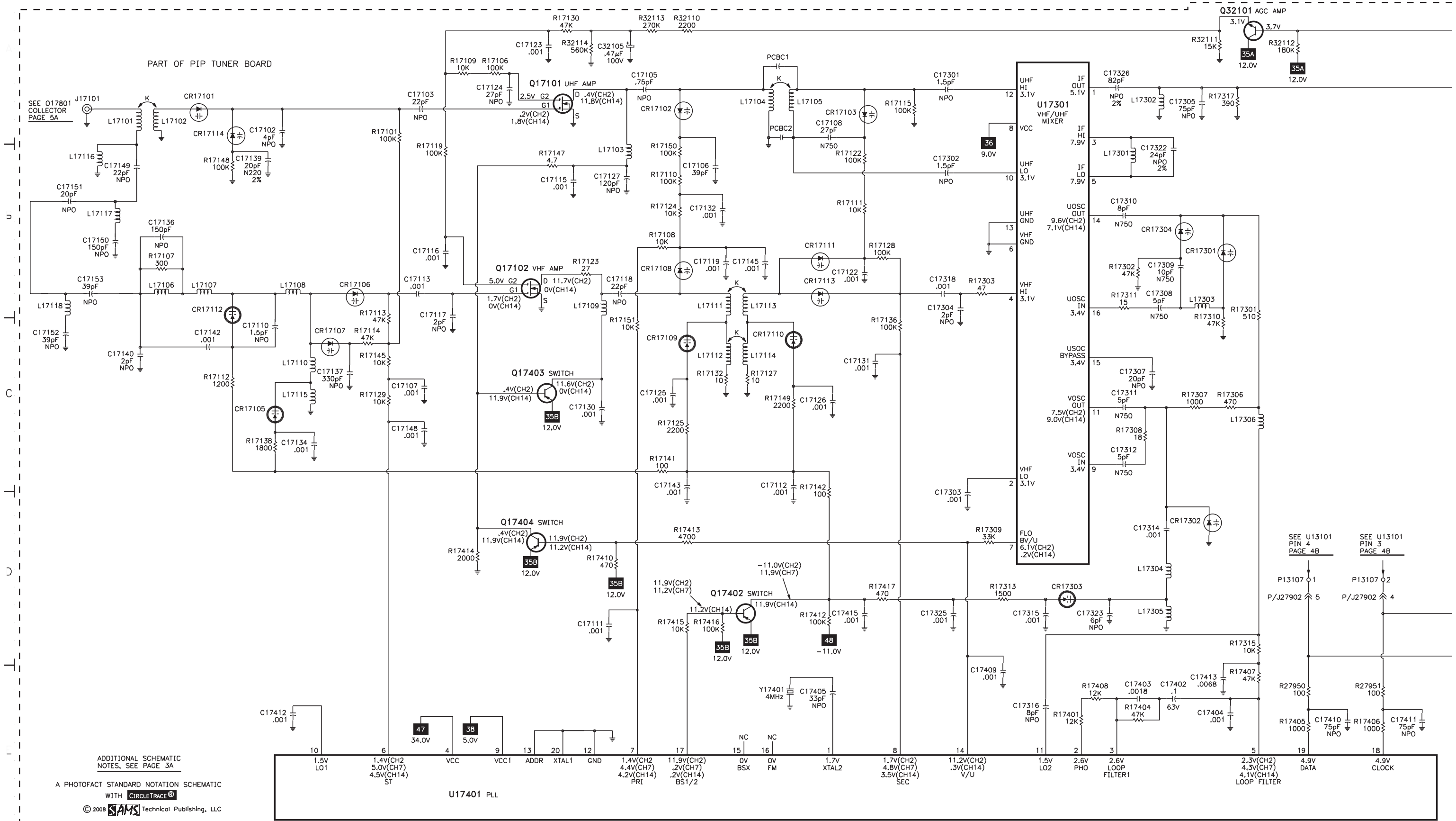
If certain failures occur, the matching error codes will be stored in the EEPROM. These error codes will be displayed in parameters 1, 2, and 3. The first failure error code will be stored at parameter 1, and the second failure error code in parameter 2. Parameter 3 will be updated to display the most recent failure occurred in the CHASSIS.

If a failure of a bus IC occurred, the normal acknowledgment checking of that bus will be disabled in the service mode and the address of that IC which failed will be stored in one of the error code parameters. After every repair is done to the CHASSIS it is recommended to check the error code parameters, and reset them back to value 0.

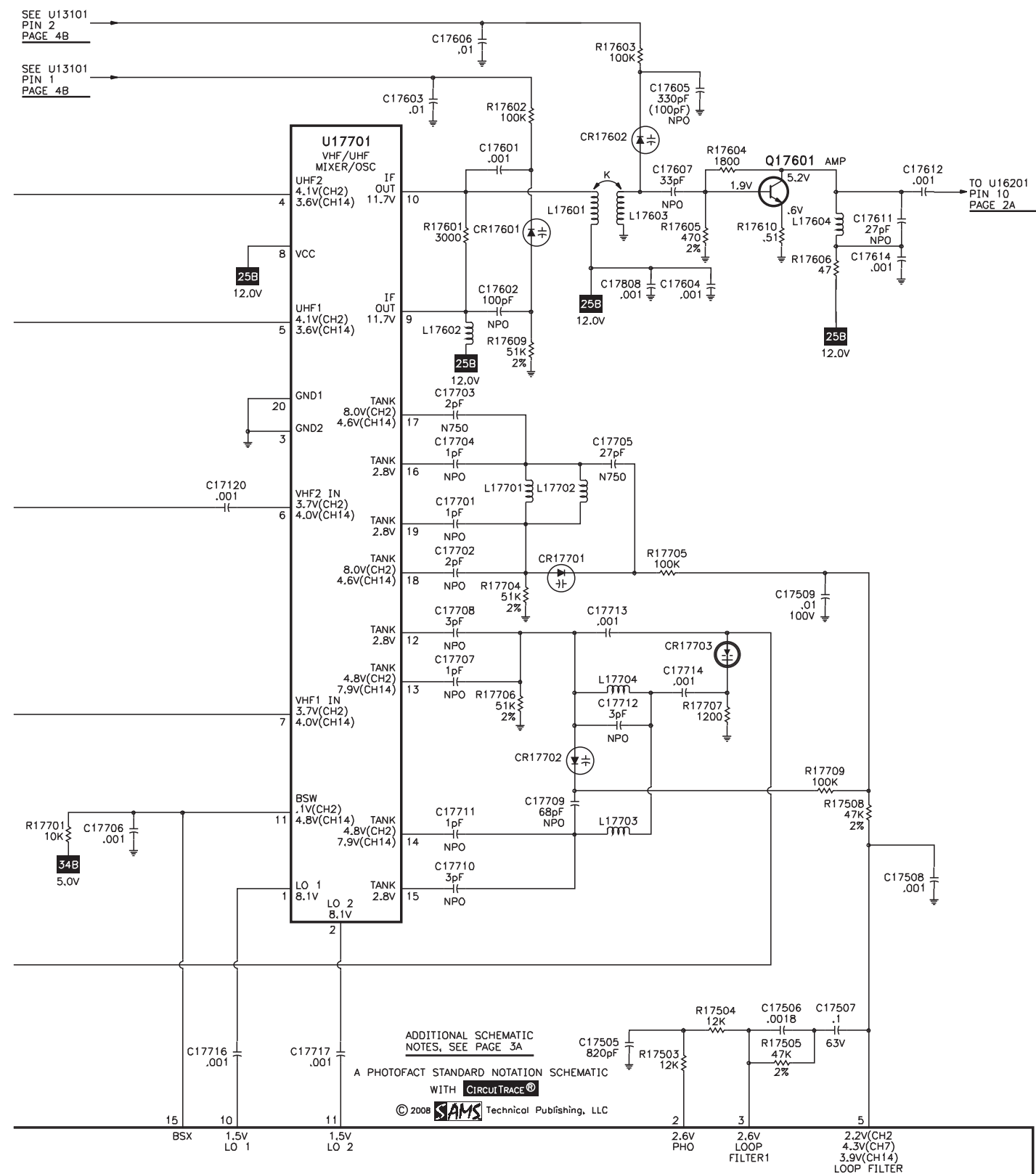
PIP TUNER BOARD SCHEMATIC

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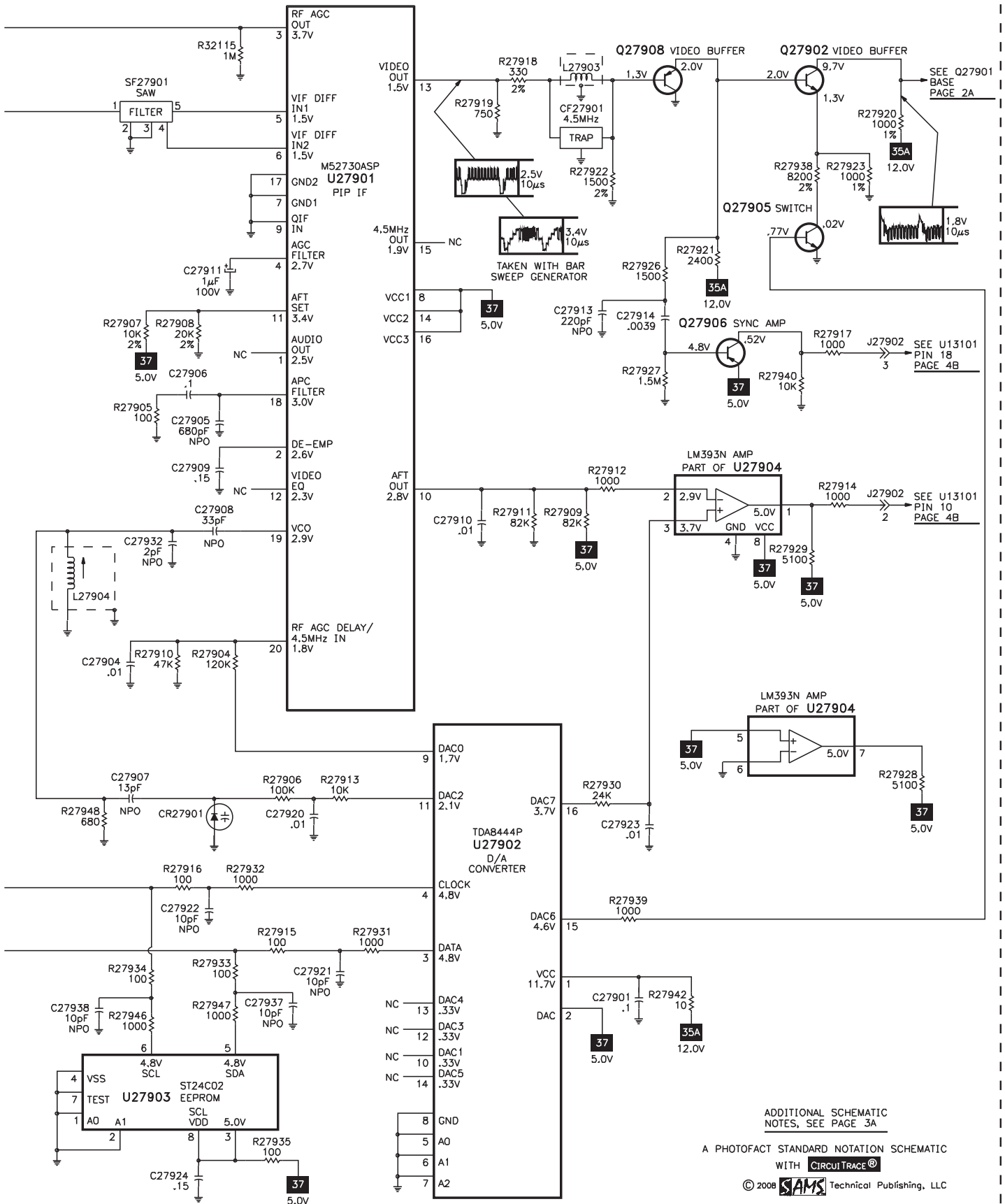
D



E
MAIN TUNER SCHEMATIC continued



F
PIP TUNER BOARD SCHEMATIC continued



SCHEMATIC COMPONENT LOCATION GUIDE

C11401	B30	C12310	D57	C13502	B62	C14802	E13	C17132	B88	C17604	B87	C18165	B72	CR1470	D47	J23903	C20	L17703	D87	Q17102	B87	R11617	A30	R12701	B13	R13154	B65	R14159	A51	R15110	B26	R17122	D82	R17602	A86	R26908	C6	SW1341	C57
C11402	B30	C12311	C3	C13503	B62	C14803	E13	C17134	C86	C17605	A87	C18166	C72	CR1470	E47	J26701	B29	L17704	C87	Q17301	B81	R11618	B39	R12702	E3	R13155	C65	R14160	C46	R15111	C14	R17123	B88	R17603	A87	R26909	C6	SW1341	B57
C11403	D41	C12312	C3	C13504	B61	C14804	E14	C17136	B85	C17606	A86	C18167	E72	CR1470	E51	J26702	C29	L17801	A78	Q17402	D89	R11619	B54	R12703	C13	R13156	E23	R14170	E50	R15112	B22	R17123	C84	R17604	B87	R26910	C7	SW1342	B57
C11404	D43	C12313	C3	C14103	C47	C14805	E15	C17137	C86	C17607	B87	C18168	E72	CR1470	B55	J26901	B29	L17802	A79	Q17403	C87	R11620	B55	R12704	B12	R13159	D60	R14200	A45	R15113	B26	R17124	B88	R17605	B87	R26911	C7	SW1343	B58
C11405	E43	C12314	B1	C14104	E50	C14901	E3	C17139	B86	C17610	A56	C18171	C56	CR1480	E9	J26901	B29	L17803	A78	Q17404	D87	R11621	A5	R12705	A12	R13161	D64	R14201	C45	R15114	C22	R17124	D83	R17606	B87	R26912	C7	SW1343	B58
C11406	D43	C12316	C2	C14105	A52	C14902	E2	C17140	C85	C17611	B88	C18172	C55	CR1490	E3	J26901	C5	L18100	C74	Q17503	E83	R11622	B30	R12706	A14	R13162	D59	R14202	A45	R15116	C27	R17125	C79	R17609	B86	R26920	A69	SW1343	B58
C11408	D42	C12701	A10	C14106	C47	C14903	D3	C17142	C86	C17612	B88	C26901	B5	CR1490	E3	J26902	C6	L18101	B74	Q17504	E78	R11623	C30	R12707	C57	R13163	D65	R14275	E26	R15117	C15	R17125	C88	R17610	B87	R26921	A69	T14101	A49
C11501	A36	C12702	C13	C14107	B48	C14904	D3	C17143	D88	C17614	B88	C26902	B6	CR1510	C16	J26902	D44	L18102	B73	Q17505	E78	R11625	A41	R12708	A10	R13165	A60	R14276	E26	R15118	C14	R17126	B80	R17701	D85	R26922	A70	T14301	E7
C11502	B36	C12703	C13	C14109	A50	C14907	E3	C17145	B89	C17701	C86	C26903	C6	CR1510	C22	J26902	D44	L18103	B74	Q17601	B87	R11627	C41	R12709	E3	R13166	B66	R14277	E23	R15119	C22	R17127	C89	R17704	C86	R26923	A70	T14401	D11
C11503	C37	C12706	E3	C14110	B49	C15101	C16	C17148	C87	C17702	C86	C26905	C6	CR1510	A23	K14201	A46	L18104	A74	Q17801	A78	R11628	B30	R12710	C12	R13167	E60	R14280	E24	R15121	A21	R17128	B89	R17705	C87	R26924	C8	T14401	D46
C11504	C37	C12707	B12	C14111	B48	C15102	C27	C17149	B85	C17703	B86	C26906	C7	CR1510	B22	K14201	C46	L18105	A74	Q18100	C71	R11629	C30	R12713	A12	R13168	E63	R14281	E24	R15122	B21	R17129	C87	R17706	C86	R26925	C8	U11401	D42
C11505	D37	C12708	A12	C14122	A48	C15103	D48	C17150	B85	C17704	C86	C26910	C7	CR1520	D24	L12302	B3	L18106	C54	Q18101	D71	R11630	A40	R12715	B11	R13169	B65	R14282	E24	R15123	B21	R17130	A88	R17707	D87	R26926	B69	U11401	D42
C11506	B37	C12709	B13	C14123	B51	C15104	B27	C17151	B85	C17705	C87	C26911	A70	CR1520	C26	L12303	B4	L18107	A71	Q18102	D70	R11631	C40	R12717	A13	R13170	E62	R14283	E25	R15124	A23	R17132	C88	R17708	D84	R26928	C7	U11501	A38
C11507	B37	C12710	B10	C14124	C46	C15105	D48	C17152	C85	C17706	D85	C26912	D56	CR1520	D26	L12304	C2	L18108	A72	Q18103	C74	R11701	A32	R12720	C13	R13171	E60	R14284	E26	R15125	A24	R17136	C89	R17709	D87	R26929	C7	U11600	A31
C11508	B38	C12711	C12	C14126	B48	C15106	C23	C17153	B85	C17707	C86	C26915	D56	CR1710	A86	L13101	B60	L18109	A72	Q18104	B74	R11702	A32	R12721	C13	R13174	D57	R14285	E23	R15126	C22	R17138	C86	R17801	A78	R26930	E72	U11600	A39
C11509	B38	C12713	C13	C14127	C47	C15108	C22	C17201	D79	C17708	C86	C26916	B71	CR1710	C79	L13102	B60	L18110	E75	Q18105	B9	R11703	A32	R12722	C12	R13175	B63	R14301	D4	R15127	B24	R17141	C88	R17802	A78	R26932	C8	U11701	A32
C11510	A38	C12802	B10	C14129	C54	C15201	A56	C17202	A81	C17709	D87	C26917	C71	CR1710	A88	L13103	B60	L18112	C56	Q18106	A9	R11704	D55	R12723	C12	R13176	B66	R14302	E5	R15128	B22	R17142	D89	R17803	A78	R26933	C8	U11701	A34
C11511	B38	C12803	C12	C14132	E4	C15202	D21	C17203	E81	C17710	D86	C26918	C6	CR1710	B80	L13104	A60	L26901	D55	Q18107	B74	R11705	B32	R12726	C13	R13177	D65	R14303	E2	R15129	B24	R17145	C87	R17804	A78	R26934	E72	U11701	B32
C11512	C38	C12901	B15	C14133	D4	C15203	D23	C17204	C83	C17711	D86	C26922	B8	CR1710	A89	L13105	C51	L27903	A95	Q18108	A74	R11706	B32	R12730	D3	R13178	D65	R14304	E5	R15130	B23	R17147	B87	R17805	A78	R26936	C7	U11701	B34
C11513	C38	C12902	C15	C14136	C46	C15204	D23	C17205	E52	C17712	D87	C26923	B7	CR1710	C80	L13107	B50	L27904	C93	Q18109	A70	R11707	B32	R12731	D3	R13179	D65	R14305	E6	R15131	C23	R17148	B86	R17806	B79	R26937	C7	U11702	A35
C11514	D38	C12903	B15	C14137	A50	C15205	D24	C17206	B56	C17713	C87	C26924	B5	CR1710	C80	L14102	A50	L27906	E51	Q18110	A71	R11708	B33	R12803	C12	R13180	D65	R14306	E6	R15132	A23	R17149	C89	R17807	A79	R26938	C7	U11901	A42
C11515	D38	C12904	C14	C14139	A50	C15206	D26	C17207	A51	C17714	C87	C27901	E95	CR1710	B82	L14200	A46	L27907	A51	Q18111	C11	R11709	B32	R12901	A15	R13181	B65	R14307	D1	R15133	C47	R17150	B88	R17808	A79	R26939	B71	U13101	C61
C11516	C38	C12905	B14	C14140	E49	C15207	C25	C17208	E50	C17715	E84	C27904	C93	CR1710	C86	L14201	A45	L27908	E55	Q18112	D71	R11710	A33	R12902	C15	R13182	E64	R14308	E4	R15201	D21	R17151	C88	R17809	A79	R26940	B71	U13102	A67
C11517	E37	C12906	A10	C14141	B49	C15209	D25	C17301	A90	C17716	E85	C27905	B93	CR1710	B86	L14401	E7	P14201	A45	Q18113	D72	R11711	B33	R12903	B15	R13183	E64	R14309	E5	R15202	D21	R17204	B83	R17810	B77	R26942	C71	U14101	B46
C11518	E37	C13101	D58	C14142	E50	C15210	C26	C17301	D77	C17717	E86	C27906	B93	CR1710	C82	L14402	D9	P17101	A79	Q26901	A69	R11712	B32	R12904	A16	R13184	C65	R14310	E4	R15204	D22	R17301	B81	R17811	A78	R26943	C71	U14104	C55
C11519	B38	C13103	C63	C14143	B46	C15211	D25	C17302	B78	C17801	B77	C27907	D93	CR1710	C82	L14601	B50	P17802	A79	Q26902	B69	R11713	C34	R12905	A15	R13185	D65	R14311	D4	R15205	D23	R17301	C91	R18101	D74	R27904	C93	U14275	E24
C11520	A38	C13104	E60	C14144	A52	C15212	D25	C17302	B90	C17802	A78	C27908	C93	CR1710	C86	L14702	B54	PCBCB1	A89	Q27901	C4	R11714	C34	R12906	A15	R13186	D65	R14312	D1	R15206	D22	R17302	B82	R18103	E75	R27905	B93	U14501	D7
C11601	A5	C13105	C59	C14145	A52	C15213	C27	C17303	D78	C17803	A78	C27909	C93	CR1710	B88	L14801	E15	PCBCB2	B89	Q27902	A95	R11715	A33	R12907	C16	R13187	A60	R14313	E1	R15207	D23	R17302	B91	R18104	D74	R27906	D93	U14601	C51
C11602	C30	C13106	D62	C14146	B47	C15214	D27	C17303	D90	C17804	A78	C27910	C94	CR1710	C83	L15101	D48	Q11501	C31	Q27903	C4	R11716	B34	R12908	C15	R13188	D60	R14314	D1	R15208	D24	R17303	B78	R18105	C55	R27907	B93	U14701	D50
C11603	D31	C13107	D63	C14147	C46	C15215	D27	C17304	C90	C17805	A79	C27911	B93	CR1710	C83	L15202	A56	Q11502	C32	Q27904	C5	R11717	A34	R12909	C15	R13190	B13	R14320	D1	R15209	D23	R17303	B90	R18106	D72	R27908	B93	U14801	E13
C11604	E31	C13108	B59	C14148	C46	C15216	D27	C17305	A91	C17806	A79	C27912	E55	CR1710	C88	L16501	C55	Q11503	C33	Q27905	B95	R11718	B35	R12910	B16	R13191	D65	R14401	D10	R15210	D23	R17304	A80	R18107	C71	R27909	C95	U14801	E14
C11605	D30	C13109	C59	C14201	C45	C15217	D27	C17305	B79	C17807	A78	C27913	B95	CR1711	C89	L17101	A85	Q11506	B34	Q27906	B95	R11719	A35	R12911	B15	R13194	C66	R14402	E7	R15211	C23	R17305	B79	R18108	C71	R27910	C93	U16201	A4
C11606	D30	C13110	B59	C14202	A45	C16502	C56	C17306	B80	C17808	B87	C27914	B95	CR1711	D83	L17101	C78	Q11600	B55	Q27908	A95	R11720	A34	R12912	B15	R13195	C65	R14403	E10	R15212	D26	R17306	B81	R18109	C72	R27911	C94	U16201	B10
C11607	D30	C13111	B59	C14203	A46	C16503	C56	C17307	B81	C18101	A72	C27915	C5	CR1711	B89	L17102	A85	Q11601	A40	Q32101	A91	R11721	B34	R12913	B15	R13196	C65	R14501	D8	R15213	D24	R17306	C91	R18110	D71	R27912	C95	U16201	B2
C11608	A30	C13112	A59	C14204	A47	C16505	C56	C17307	C91	C18102	B70	C27916	E55	CR1711	C81	L17102	C79	Q11602	B41	R11401	B30	R11722	B35	R12914	B15	R13197	C65	R14503	E57	R15214	D24	R17307	B80	R18111	D70	R27913	D94	U16201	D2
C11609	A30	C13113	C52	C14205	A46	C16506	C56	C17308	B81	C18103	C11	C27917	E56	CR1711	C79	L17103	B88	Q11900	C42	R11402	B30	R11723	C35	R12916	C14	R13198	A60	R14504	E58	R15215	D23	R17307	C91	R1					

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Item No.	Type No.	Mfr. Part No.	Notes	Item No.	Type No.	Mfr. Part No.	Notes	Item No.	Type No.	Mfr. Part No.	Notes
# CR11600	-	159429	10V 0.25W	CR26901, 02, 03	-	220638	6.8V 0.5W	Q26402			
CR11601	-	198589	-	CR26905	-	232710	6.8V 0.5W	Q26406 Thru	-	215496	-
CR11701	-	223783	6.2V 0.5W	Q11501	-	215495	-	Q26901	-	215496	-
CR12301	-	227051	-	Q11502	-	215496	-	Q26902	-	215495	-
CR12702	-	198589	-	Q11503, 06	-	215495	-	U11401	-	237474	-
CR12703	-	232709	-	Q11600	-	177788	-	U11501	-	237342	-
CR12901	-	232709	-	Q11601, 02	-	215495	-	U11600	CXA2074S	237930	-
CR12902	-	164874	-	Q11900	-	215495	-	U11701	MC3403N	241785	-
CR13501	-	164874	-	Q12301	-	215496	-	U11702	TL082CN	204292	-
CR14102	-	176296	-	Q12302	-	219412	-	U11901	TDA7499	235446	-
CR14106	-	243636	-	Q12701 Thru				U13101	-	237643	-
CR14107	-	223339	-	Q12705	-	215496	-	U13102	ST24C08	241275	-
CR14108	-	238099	3V 0.5W	Q12901, 02, 03	-	215495	-	U14101	TDA4605	237476	-
CR14111	-	232709	-	Q12904	-	215496	-	U14104	L78S75CV	231526	-
CR14113	-	176296	-	Q13101, 03	-	215496	-	U14275	-	237477	-
CR14115	-	217306	33V 1.3W	Q13104	-	215495	-	U14501	-	215531	-
CR14116	-	223339	-	Q13106	-	219412	-	U14601	L7852CV	241752	-
CR14201	-	198589	-	Q13109	-	215496	-	U14701	TDA8132	236646	-
# CR14210	-	214649	-	Q13301	-	215496	-	U14801	-	254775	-
CR14302	-	198589	-	Q13501	-	215496	-	# U16201	LA7612N	241266	-
CR14303	-	176296	-	Q13503	-	215495	-	U17501	-	231529	-
CR14401	-	140971	-	Q14101	IRF740	237469	-	U17701	-	227007	-
CR14402	-	242907	-	Q14275	-	219025	-	U18100	-	235448	-
CR14501	-	155276	-	Q14276	-	229220	-	U18101	LM317	214704	-
CR14603	-	139706	-	Q14301	-	146851	-	U26401	IC, Microprocessor	240630	Gemstar
CR14604	-	155276	-	Q14302	-	215495	-	U26402	-	239147	Gemstar
CR14701	-	241304	-	Q14401	-	237470	-	U26403	-	232725	Gemstar
CR14702	-	243636	-	Q14501	-	215495	-	U26404	-	239148	Gemstar
CR14703	-	207878	-	Q14502	-	215496	-	U26405	-	239149	Gemstar
CR14704	-	237472	6.2V 0.5W	Q14503	-	215495	-	U26407	-	237669	Gemstar
CR14705	-	237473	15V 0.5W	Q14802	-	217309	-	U26409	-	236657	Gemstar
CR14800	-	243636	-	# Q14901	-	147665	-	U26410	-	239150	Gemstar
# CR14901	-	157301	-	Q15101, 02, 03	BF421	227406	-	U26411	-	239151	Gemstar
# CR14902	-	159429	10V 0.25W	Q15104, 05, 06	-	208434	-	U26901	TEA6415C	235447	-
CR15101	-	232545	8.2V 0.5W	Q15107	-	219025	-				
CR15102, 03, 04	-	139706	-	Q15108, 09, 10	BF420	226453	-				
CR15201	-	139706	-	Q15201 Thru							
CR15202, 03	-	207878	-	Q15206	-	215495	-				
CR17101	-	255493	-	Q15210	-	215495	-	CR17101	-	215492	-
CR17102	-	215494	-	Q15211	-	215496	-	CR17102, 03	-	215492	-
CR17103	-	215493	-	Q15212	-	227405	-	CR17105	-	215493	-
CR17104	-	233085	-	Q15213	-	227404	-	CR17106	-	233085	-
CR17105	-	215494	-	Q17101	-	226973	-	CR17107, 08	-	215494	-
CR17106, 07	-	215493	-	Q17301	-	227008	-	CR17109, 10	-	215493	-
CR17108	-	215494	-	Q17503, 04	-	215496	-	CR17111	-	215494	-
CR17109, 10, 11	-	215493	-	Q17505	-	231534	-	CR17112	-	215493	-
CR17112	-	227082	-	Q17601	-	226981	-	CR17113	-	233085	-
CR17113	-	215493	-	Q17801	-	226981	-	CR17114	-	215492	-
CR17301	-	215493	-	Q18100, 01	-	215495	-	CR17301	-	215492	-
CR17303, 04, 05	-	215492	-	Q18102	-	219412	-	CR17302	-	215494	-
CR17307	-	227082	-	Q18103, 04	-	215495	-	CR17303	-	215493	-
CR17601, 02	-	227051	-	Q18105, 06	-	215496	-	CR17304	-	215492	-
CR17701	-	215492	-	Q18107, 08, 09	-	215495	-	CR27901	-	227051	-
CR17702	-	215494	-	Q18110, 11	-	215496	-	Q17101, 02	-	226973	-
CR17703	-	215493	-	Q18112	-	215495	-	Q17402	-	215496	-
CR18101, 02	-	232709	-	Q18113	-	215496	-	Q17403	-	231534	-
CR26401	-	223651	-	Q26401	-	215495	-	Q17404	-	215496	-
								Q27901, 02	-	215495	-

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Item No.	Type No.	Mfr. Part No.	Notes	Item No.	Function/Rating	Mfr. Part No.	Notes	Item No.	Function/Rating	Mfr. Part No.	Notes
Q27903, 04	-	215496	-	C14303	470pF 5% 50V NPO	214732	-	C17705	27pF 5% 50V N750	214760	-
Q27905	-	215495	-	C14310	15pF 1% 250V NPO	223899	-	C17707	1pF 5% 50V NPO	227084	-
Q27906, 08	-	215496	-	C14311	47pF 5% 50V NPO	210689	-	C17708	3pF 5% 50V NPO	227088	-
Q32101	-	219412	-	C14313, 14	100pF 5% 50V NPO	193340	-	C17709	68pF 5% 50V NPO	193339	-
U17301	-	231528	Mixer/Oscillator	C14401	470pF 5% 50V NPO	214732	-	C17710	3pF 5% 50V NPO	227088	-
U17401	-	231529	Tuner PLL	# C14402	.0157μF 1.6kV	206008	-	C17711	1pF 5% 50V NPO	227084	-
U27901	M52730ASP	236645	-	# C14403	.5μF 5% 250V	200150	-	C17712	3pF 5% 50V NPO	227088	-
U27902	TDA8444P	204290	-	# C14404	2.2μF 20% 200V	238291	-	C17802	1pF 5% 50V NPO	227084	-
U27903	-	245528	EEPROM	# C14405	.0047μF 10% 250V	142765	-	C17804	470pF 5% 50V NPO	214732	-
U27904	LM393N	227341	-	# C14502	1500μF 20% 25V	227019	-	C17807	91pF 5% 50V NPO	192057	-
U27905	TDA8132	236646	-	C14508	470pF 10% 50V NPO	192040	-	C18103	100pF 5% 50V NPO	193340	-
Item No.	Function/Rating	Mfr. Part No.	Notes	C14702, 04	680pF 10% 1kV	190538	-	C18104	220pF 5% 50V NPO	225541	-
C11517, 18	22pF 5% 50V NPO	194903	-	C14707	470pF 10% 500V NPO	227050	-	C18112	10pF 5% 50V NPO	200537	-
C11612, 13	22pF 5% 50V NPO	194903	-	C14710	.01μF 20% 1kV	137583	-	C18114	20pF 5% 50V NPO	220150	-
C11614	1000μF 20% 16V	178835	-	# C14716	470pF 5% 2kV	227068	-	C18122	47pF 5% 50V NPO	210689	-
C11704	560pF 5% 50V NPO	220155	-	# C14800	.043μF 5% 600V	220336	-	C18124	100pF 5% 50V NPO	193340	-
C12310	120pF 5% 50V NPO	194902	-	C15101	68pF 5% 50V NPO	145676	-	C18127	18pF 5% 50V NPO	214028	-
C12701	120pF 5% 50V NPO	194902	-	C15102	.001μF 10% 3kV	120696	-	C18129	100pF 5% 50V NPO	193340	-
C12803	13pF 5% 50V NPO	236629	-	C15105	27pF 5% 500V NPO	237517	-	C18134	82pF 5% 50V NPO	192049	-
C12901	330pF 5% 50V NPO	205227	-	C15202	120pF 5% 50V NPO	194902	-	C18137	220pF 5% 50V NPO	225541	-
C12902	220pF 5% 50V NPO	225541	-	C15203	100pF 5% 50V NPO	174412	-	C18138	330pF 5% 50V NPO	205227	-
C12903	360pF 5% 50V NPO	214034	-	C15209, 11	100pF 5% 50V NPO	143871	-	C18139	27pF 5% 50V NPO	197604	-
C12906	100pF 5% 50V NPO	143871	-	C15216	100pF 5% 500V NPO	227407	-	C18142	91pF 5% 50V NPO	192057	-
C13103	100pF 5% 50V NPO	193340	-	C17101	180pF 2% 50V NPO	241265	-	C18143	82pF 5% 50V NPO	192049	-
C13106, 07	56pF 5% 50V NPO	214741	-	C17104	330pF 5% 50V NPO	205227	-	C18155	22pF 5% 50V NPO	194903	-
C13112	330pF 5% 50V NPO	205227	-	C17109	22pF 5% 50V NPO	194903	-	C18156	18pF 5% 50V NPO	214028	-
C13120, 21	100pF 5% 50V NPO	193340	-	C17110	39pF 5% 50V NPO	181090	-	C18157	82pF 5% 50V NPO	192049	-
C13134	100pF 5% 50V NPO	195695	-	C17112	3pF 5% 50V NPO	227088	-	C18158	10pF 5% 50V NPO	200537	-
C13146, 47	100pF 5% 50V NPO	193340	-	C17113	1.5pF 5% 50V NPO	223146	-	C18159	120pF 5% 50V NPO	194902	-
C13153, 54	100pF 5% 50V NPO	193340	-	C17115	330pF 5% 50V NPO	205227	-	C18160	150pF 5% 50V NPO	214032	-
C13166	120pF 5% 50V NPO	174414	-	C17117	39pF 5% 50V NPO	202905	-	C18162, 63	100pF 5% 50V NPO	193340	-
C13168	100pF 5% 50V NPO	193340	-	C17118	180pF 5% 50V NPO	211039	-	C18164	150pF 5% 50V NPO	214032	-
C13308 Thru				C17123	20pF 5% 50V NPO	220150	-	C18165, 66, 67	47pF 5% 50V NPO	210689	-
C13311	22pF 5% 50V NPO	194903	-	C17124	39pF 5% 50V NPO	202905	-	C18168	150pF 5% 50V NPO	214032	-
C13312	100pF 5% 50V NPO	193340	-	C17126	150pF 5% 50V NPO	214032	-	C26401, 02, 03, 04	56pF 5% 50V NPO	239136	-
# C14105	33μF 5% 200V	217299	-	C17127	39pF 5% 50V NPO	202905	-	C26409	100pF 5% 50V NPO	227089	-
# C14107, 09	470pF 5% 2kV	227068	-	C17302	27pF 5% 50V NPO	197604	-	C26411	100pF 5% 50V NPO	227089	-
C14110	470pF 10% 500V NPO	227050	-	C17305	27pF 5% 50V N750	214760	-	C26413, 14	100pF 5% 50V NPO	227089	-
# C14122	.033μF 5% 400V	214747	-	C17306	27pF 5% 50V NPO	197604	-	C26416	33pF 5% 50V NPO	239138	-
# C14126	470pF 5% 2kV	227068	-	C17308	120pF 5% 50V NPO	194902	-	C26420	100pF 5% 50V NPO	227089	-
# C14136, 37	470pF 5% 2kV	227068	-	C17309	27pF 5% 50V NPO	197604	-	C26421, 22	22pF 5% 50V NPO	223698	-
C14140, 41	470pF 10% 500V NPO	227050	-	C17310	.75pF 5% 50V NPO	227269	-	C26423, 25	10pF 5% 50V NPO	200537	-
# C14144	.01μF 10% 50V	240934	-	C17311	27pF 5% 50V N750	214760	-	C26426	33pF 5% 50V NPO	239138	-
# C14145	100μF 20% 63V	237425	-	C17312	18pF 2% 50V N220	227077	-	C26427	10pF 5% 50V NPO	200537	-
# C14146	.0068μF 10% 100V	232362	-	C17313, 14	470pF 5% 50V NPO	214732	-	C26428	33pF 5% 50V NPO	239138	-
# C14202	.22μF 20% 250VAC		-	C17316	27pF 5% 50V NPO	197604	-	C26440, 41	27pF 5% 50V NPO	239141	-
	.22μF 20% 125VAC	231451	-	C17502, 03	22pF 5% 50V NPO	194903	-	C26442	24pF 5% 50V NPO	231459	-
# C14203, 04, 05	680pF 20% 1kV	190538	-	C17504	33pF 5% 50V NPO	194911	-	C26456	33pF 5% 50V NPO	239138	-
# C14206	470pF 250V	250102	Capristor	C17511	27pF 5% 50V NPO	197604	-	C26465	33pF 5% 50V NPO	239138	-
	470pF 120V	-	-	C17602	100pF 5% 50V NPO	193340	-	C26470	100pF 5% 50V NPO	227089	-
# C14207	.005μF 20% 120V	195697	-	C17605	330pF 5% 50V NPO	205227	-	C26901, 02	10pF 5% 50V NPO	200537	-
# C14208	680μF 20% 200V	190560	-	C17607	33pF 5% 50V NPO	194911	-	C26916	2.2μF 20% 50V NP	190527	-
# C14209	.1μF 20% 250VAC	-	-	C17611	27pF 5% 50V NPO	197604	-	CF12302	Filter	195702	4.5MHz
	.1μF 20% 125VAC	229322	-	C17701	1pF 5% 50V NPO	227084	-	CF12303	Trap	238296	4.5MHz
# C14210	680pF 20% 1kV	190538	-	C17702	2pF 5% 50V NPO	227074	-	DL15201	Delay Line	237539	-
C14211, 12	470pF 10% 500V NPO	227050	-	C17703	2pF 5% 50V N750	226965	-	# DY1 (1)	Yoke		-
				C17704	1pF 5% 50V NPO	227084	-	# F14201	Fuse	175425	5A, 125V, Fast Acting

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Item No.	Function/Rating	Mfr. Part No.	Notes	Item No.	Function/Rating	Mfr. Part No.	Notes	Item No.	Function/Rating	Mfr. Part No.	Notes
FB11901	Ferrite Bead	161237	-	L17306	-	226990	-	R13182	1000 2% 1/10W	197638	-
FB12901	Ferrite Bead	223785	-	L17307	-	226991	-	R13183	2700 2% 1/10W	197905	-
FB13101	Ferrite Bead	226467	-	L17308	-	237466	-	# R14106	8.2 5% 1/2W	120595	-
FB14105	Ferrite Bead	215547	-	L17601, 02	-	226999	-	# R14107	1 5% 1/4W Nonflammable	241262	-
FB14106, 07, 08	Ferrite Bead	237504	-	L17603	-	237467	-	R14110	20K 5% 3W	237431	-
FB14114, 15	Ferrite Bead	237504	-	L17604	-	237468	-	# R14125	36 5% 1/4W Nonflammable	241258	-
FB14118, 19	Ferrite Bead	237504	-	L17701, 02	-	226986	-	R14126	30K 5% 3W	238295	-
FB14120	Ferrite Bead	226467	-	L17703	-	226989	-	# R14135	18 5% 1/2W	241320	-
FB14402	Ferrite Bead	229324	-	L17704	-	226996	-	R14147	5490 .1% 1/4W	237434	-
FB14800	Ferrite Bead	232765	-	L17801	-	226987	-	R14149	174 .1% 1/4W	237435	-
FB15201, 02	Ferrite Bead	226467	-	L17802	-	226996	-	# R14153	2 5% 3W	237436	-
FB15203	Ferrite Bead	161237	-	L17803	-	237461	-	# R14170	10 5% 1/4W Nonflammable	241259	-
FB26401, 02, 03	Ferrite Bead	226467	GEMSTAR	L18100	15µH	197613	-	# R14200	120K 10% 1/2W	238903	-
IR13401	IC	245541	IR RECEIVER	L18101	18µH	195711	-	# R14202	2.7M 10% 1/2W	217662	-
IR13401	IC	232242	IR RECEIVER	L18102	5.6µH	227886	-	# R14275, 76	33 5% 1/4W	175754	-
# J14203 (4)	Coil, Degaussing	225836	-	L18103	8.2µH	149170	-	R14282	18k 2% 1/8W	174366	-
# J14203 (5)	Coil, Degaussing	237932	-	L18104	10µH	160518	-	# R14284	68 5% 1/4W	175039	-
# K14201	Relay	190490	-	L18105	12µH	210687	-	# R14305	2400 2% 3W	235380	-
# KS15101	Socket	233120	CRT	L18106	27µH	190017	-	R14307	1500 2% 1/10W	197628	-
L12302	VCO	215502	-	L18107	15µH	197613	-	# R14401	15K 5% 1W	190557	-
L12303	FM Detect	233056	-	L18108	5.6µH	227886	-	# R14403	820 5% 1W	175349	-
L12304	10µH	160518	-	L18109	4.7µH	197614	-	R14504	5100 2% 1/8W	240939	-
L13101, 02, 03, 04	33µH	237450	-	L18110	10µH	207880	-	# R14507	1.5 5% 2W	237441	-
L13105	4.7µH	237451	-	L18112	10µH	235445	-	R14510	510 2% 1/4W	175307	-
L13107	27µH	190017	-	L26401, 02	2.2µH	239143	-	# R14511	1 10% 2W	215577	-
L14102	22µH	215504	-	L26403	2.2µH	197616	-	# R14515	330 5% 2W MF	227409	-
# L14201	Line Filter	190507	-	L26404, 05, 06	2.2µH	239143	-	# R14517	18 5% 1W	239258	-
L14401	4µH	215505	-	L26407	2.2µH	197616	-	# R14604	3.3 5% 2W Nonflammable	223680	-
# L14402	Horizontal Linearity	210895	-	L26409	2.2µH	239143	-	# R14701	10 20% 1/2W	241261	-
L14601	10µH	175409	-	L26411 Thru	-	-	-	# R14703	2 5% 3W	232759	-
L14702	47µH	190729	-	L26414	33µH	239145	-	# R14704	82K 10% 1/2W	239116	-
L14801	390µH	237452	-	L26416	5.6µH	240629	-	# R14705	1 5% 1/4W Nonflammable	241262	-
L15101	47µH	195713	-	L26420	33µH	239145	-	# R14716	27 5% 3W Wirewound	237443	-
L15202	100µH	161243	-	L26901	100µH	160186	-	# R14802	100 5% 1/4W Nonflammable	198667	-
L16501	220µH	195707	-	# PW14201	Line Cord	241251	AC, Polarized	R14803	28K 1% 1/4W	195731	-
L17101	-	237456	-		Line Cord	225766	AC, Polarized	R14806	40.2K 1% 1/4W	219026	-
L17102	-	227003	-	# R11401, 03	2200 5% 1/4W	175042	-	# R14808	1k 5% 1/4W Nonflammable	237444	-
L17103	-	227005	-	# R11410	300 5% 1/4W	241257	-	# R14810	1 5% 1/4W Nonflammable	233165	-
L17104	-	226992	-	# R11412, 21	2200 10% 1/4W	237429	-	# R14901	100 5% 1/4W Nonflammable	198667	-
L17105	-	227006	-	# R11503	10 5% 1/4W	220568	-	# R14907	22.1K 1% 1/4W	237445	-
L17106	3.9µH	200559	-	# R11610	10 5% 1/4W	241259	-	# R14908	39.2K 1% 1/4W	190469	-
L17107	-	226987	-	R11616	61.9K 1% 1/10W	225705	-	R14909	5100 2% 1/4W	175417	-
L17108	-	237457	-	R11619	220 2% 1/4W	175324	-	# R15103	1200 5% 1W	179782	-
L17109	-	226993	-	# R11704, 25	10 5% 1/4W	220568	-	# R15107	2.2 5% 3W	227091	-
L17110	-	226994	-	# R11910, 13	4.7 5% 1/4W Nonflammable	200197	-	# R15114	100 5% 1/4W	210245	-
L17111	-	226998	-	R12208	27K 2% 1/10W	205245	-	# R15119	510 5% 1/4W	237520	-
L17112	-	237458	-	R12209	30K 2% 1/10W	200176	-	R15121, 22, 23	100 5% 1/2W	176796	-
L17113	-	227000	-	R12302	680 2% 1/8W	178286	-	R15201, 04	680 2% 1/8W	178286	-
L17114	-	237459	-	R12311, 12	120K 2% 1/10W	207834	-	R15209	1600 2% 1/8W	182824	-
L17115	-	227000	-	R12314	680 2% 1/10W	195939	-	R15210	82 2% 1/8W	205329	-
L17116	-	237460	-	# R12709	27K 10% 1/2W	238958	-	R15213	1500 2% 1/8W	181482	-
L17117, 18	-	237461	-	R12730	1000 1% 1/4W	179753	-	R15215	10k 2% 1/8W	174364	-
L17301	-	237462	-	R12908	180 2% 1/10W	194918	-	R15216	2700 2% 1/8W	181064	-
L17302	-	226988	-	R12912	56 2% 1/10W	194912	-	# R15217	100 5% 1/8W	198667	-
L17303	-	227005	-	R12914	1300 2% 1/10W	205340	-	# R15224	15 5% 1/2W	241313	-
L17304	-	237464	-	R13123	100K 1% 1/10W	215221	-	# R15230	1000 2% 1/4W	175055	-
L17305	-	237465	-	R13124	47.5K 1% 1/10W	237430	-	R15231, 32	100K 2% 1/2W	227408	-

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	Item No.	Function/Rating	Mfr. Part No.	Notes	Item No.	Function/Rating	Mfr. Part No.	Notes	Item No.	Function/Rating	Mfr. Part No.	Notes	
#	R15233	75 5% 1/4W	242194	-	#	CIRCUIT	PC Board	237511	CRT DRIVER/SVM	CF27901	Trap	181125	4.5MHz
#	R15234	5.6 5% 1/2W	227403	-	#	CIRCUIT	PC Board	237421	In/Out	FB27901	Ferrite Bead	215547	-
	R15235	1000 2% 1/4W	175055	-		CIRCUIT	PC Board	242728	SECOND TUNER	L17101	-	215507	-
#	R15236	68 5% 1W	237521	-		CIRCUIT	PC Board	239120	GEMSTAR	L17102	-	236641	-
#	R15237	5.6 5% 1/2W	227403	-		CIRCUIT	PC Board	237420	FPA KEYBRD	L17103	-	223929	-
#	R15239	220 5% 2W	175310	-		REMOTE (3)	Transmitter	238544	CRK70M1	L17104, 05	-	223917	-
#	R15240	430 5% 2W	237522	-						L17106	-	215507	-
	R17102	1200 2% 1/10W	194920	-		PIP TUNER BOARD				L17107	-	233057	-
	R17107	470K 2% 1/10W	205381	-						L17108	-	233074	-
	R17112, 14	1200 2% 1/10W	194920	-		C17102	4pF +/- .25pF 50V NPO	214757	-	L17109	-	200559	-
	R17306	82K 2% 1/10W	197906	-		C17103	22pF 5% 50V NPO	194903	-	L17110	-	233075	-
	R17307	51K 2% 1/10W	205365	-		C17105	.75pF 5% 50V NPO	214758	-	L17111	-	233076	-
	R17309, 17	91 2% 1/10W	205330	-		C17108	27pF 5% 50V N750	214760	-	L17112	-	231441	-
	R17505, 08	47K 2% 1/10W	205364	-		C17110	1.5pF 5% 50V NPO	223146	-	L17113	-	233077	-
	R17605	470 2% 1/10W	194926	-		C17113	1000pF 10% 50V NPO	239174	-	L17114	-	231441	-
	R17609	51K 2% 1/10W	205365	-		C17115	1000pF 10% 50V NPO	197600	-	L17115	-	233078	-
	R17704, 06	51K 2% 1/10W	205365	-		C17117	2pF 5% 50V NPO	194905	-	L17116	-	237461	-
	R17708	1200 2% 1/10W	194920	-		C17118	22pF 5% 50V NPO	194903	-	L17117	-	237460	-
	R18114, 17	360 2% 1/10W	205337	-		C17119	1000pF 10% 50V NPO	239174	-	L17118	-	237461	-
	R18121	180 2% 1/10W	194918	-		C17124	27pF 5% 50V NPO	197604	-	L17301	-	231443	-
	R18123	360 2% 1/10W	205337	-		C17125	1000pF 10% 50V NPO	239174	-	L17302	-	231444	-
#	R18125	15 5% 3W	237447	-		C17127	120pF 5% 50V NPO	194902	-	L17303	-	233079	-
	R18126	412 1% 1/8W	238100	-		C17134	1000pF 10% 50V NPO	239174	-	L17304	-	233080	-
	R18127	243 1% 1/10W	214132	-		C17136	150pF 5% 50V NPO	214032	-	L17305	-	236643	-
#	R26705, 07	2200 10% 1/4W	237429	-		C17137	330pF 5% 50V NPO	205227	-	L17306	-	231448	-
	RN14501	Resistor Network	215499	-		C17139	20pF 2% 50V N220	214761	-	L27903	15µH	197613	-
#	RT14201	8 Cold PTC	207768	-		C17140	2pF 5% 50V NPO	194905	-	L27904	-	236644	-
#	T14101	SMT	241754	-		C17142, 45	1000pF 10% 50V NPO	239174	-	L27906, 07, 08	-	190017	-
#	T14301	Horizontal Drive	215541	-		C17149	22pF 5% 50V NPO	194903	-	R27907	10K 2% 1/10W	195937	-
#	T14401 (2)	Horizontal Output	237506	-		C17150	150pF 5% 50V NPO	214032	-	R27908	20K 2% 1/10W	197904	-
	T17801	Splitter	237503	-		C17151	20pF 5% 50V NPO	220150	-	R27918	330 2% 1/10W	195929	-
	SF12301	Filter	217318	SAW		C17152, 53	39pF 5% 50V NPO	202905	-	R27920	1000 1% 1/10W	214143	-
	SP1, 2 (5)	Speaker	234543	2.25 X 5 IN, 8 Ohms, 5W		C17301, 02	1.5pF 5% 50 NPO	194904	-	R27922	1500 2% 1/10W	197628	-
	SP1, 2 (4)	Speaker	226332	90MM, 8 Ohms, 5W		C17304	2pF 5% 50V NPO	194905	-	R27923	1000 1% 1/10W	214143	-
	SW13410	Switch	207842	Channel Up		C17305	75pF 5% 50V NPO	192061	-	R27924	2000 1% 1/10W	223788	-
	SW13410	Switch	245531	Channel Up		C17307	20pF 5% 50V NPO	220150	-	R27925	1400 1% 1/10W	236639	-
	SW13412	Switch	207842	Power		C17308	5pF 5% 50V N750	231457	-	R27938	8200 2% 1/10W	205349	-
	SW13412	Switch	245531	Power		C17309	10pF 5% 50V N750	231458	-	# R27943	8.2 5% 1/2W	237540	-
	SW13420	Switch	207842	Channel Down		C17310	8pF 5% 50V N750	214766	-	# R27944	51 5% 2W	237541	-
	SW13420	Switch	245531	Channel Down		C17311, 12	5pF 5% 50V N750	231457	-	SF27901	Filter	217318	SAW
	SW13421	Switch	207842	Vol Up		C17314, 15	1000pF 10% 50V NPO	239174	-	Y17401	Crystal	230708	4MHz
	SW13421	Switch	245531	Vol Up		C17316	8pF 5% 50V NPO	194909	-	Circuit	PC Board	242728	PIP Tuner
	SW13430	Switch	207842	Menu		C17318	1000pF 10% 50V NPO	239174	-				
	SW13430	Switch	245531	Menu		C17320	330pF 5% 50V NPO	205227	-				
	SW13431	Switch	207842	Vol Down		C17322	24pF 2% NPO 50V	231459	-				
	SW13431	Switch	245531	Vol Down		C17323	6pF 5% 50V NPO	227250	-				
#	V101 (4)	CRT	A90AEJ1	A90AEJ15X10		C17326	82pF 2% NPO 50V	231460	-				
#	V101 (5)	CRT	HA80AEJ	A80AEJ15X09		C17405	33pF 5% 50V NPO	194911	-				
	Y12801	Crystal	161235	3.58MHz		C17410, 11	75pF 5% 50V NPO	192061	-				
	Y13101	Crystal	230708	4MHz		C17414	100Pf 10% 50V NPO	174412	-				
	Y14300	Resonator	227064	507kHz		C27905	680pF 5% 50V NPO	220344	-				
	Y17501	Crystal	230708	4MHz		C27907	13pF 5% 50V N750	245527	-				
	Y18100	Crystal	197652	14.318MHz		C27908	33pF 5% 50V NPO	194911	-				
	Y26401	Crystal	239152	12MHz GEMSTAR		C27913	220pF 5% 50V NPO	225541	-				
	Y26402	Crystal	239153	8.05594MHz GEMSTAR		C27921, 22	10pF 5% 50V NPO	200537	-				
	CLIP	Fuse Holder	176642	For F14201 (2 Used)		C27932	2pF 5% 50V NPO	227074	-				
	CIRCUIT	PC Board	237481	SRS/AUDIO		C27937, 38	10pF 5% 50V NPO	200537	-				

RCA

MODEL F36683E1FM1 (CHASSIS C1C19/CE2)

For SAFETY use only equivalent replacement part.

(1) Part of CRT.
(2) Screen and focus controls are part of T4401.
(3) F32683SBFM1, SBJX1 & F36683ETFM1, ETJX1
(4) F36663ETFM1, ETJX1
(5) F32683SBFM1, SBJX1