

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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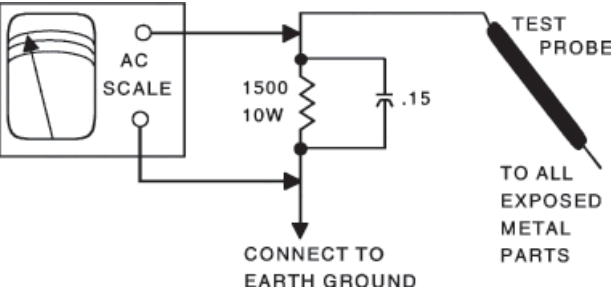
SAFETY CHECKS — FIRE AND SHOCK HAZARD

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.



5426



08PF03524

SET 5426

MODEL F36690BCYX1 (CHASSIS CTC197CA3)

RCA

PHOTOFACT[®] Technical Service Data
SILVER
RCA
MODEL F36690BCYX1 (CHASSIS CTC197CA3)

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Representative Model

Essential Coverage For Servicing a Television Receiver...

- Schematics
- Component locations
- Parts list

Coverage includes these additional models and chassis:

Models	Chassis
F36685YX1	CTC197CA3
F32690BCYX1	CTC197CA3

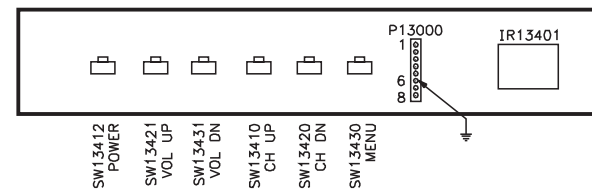


DECEMBER 2008 SET 5426

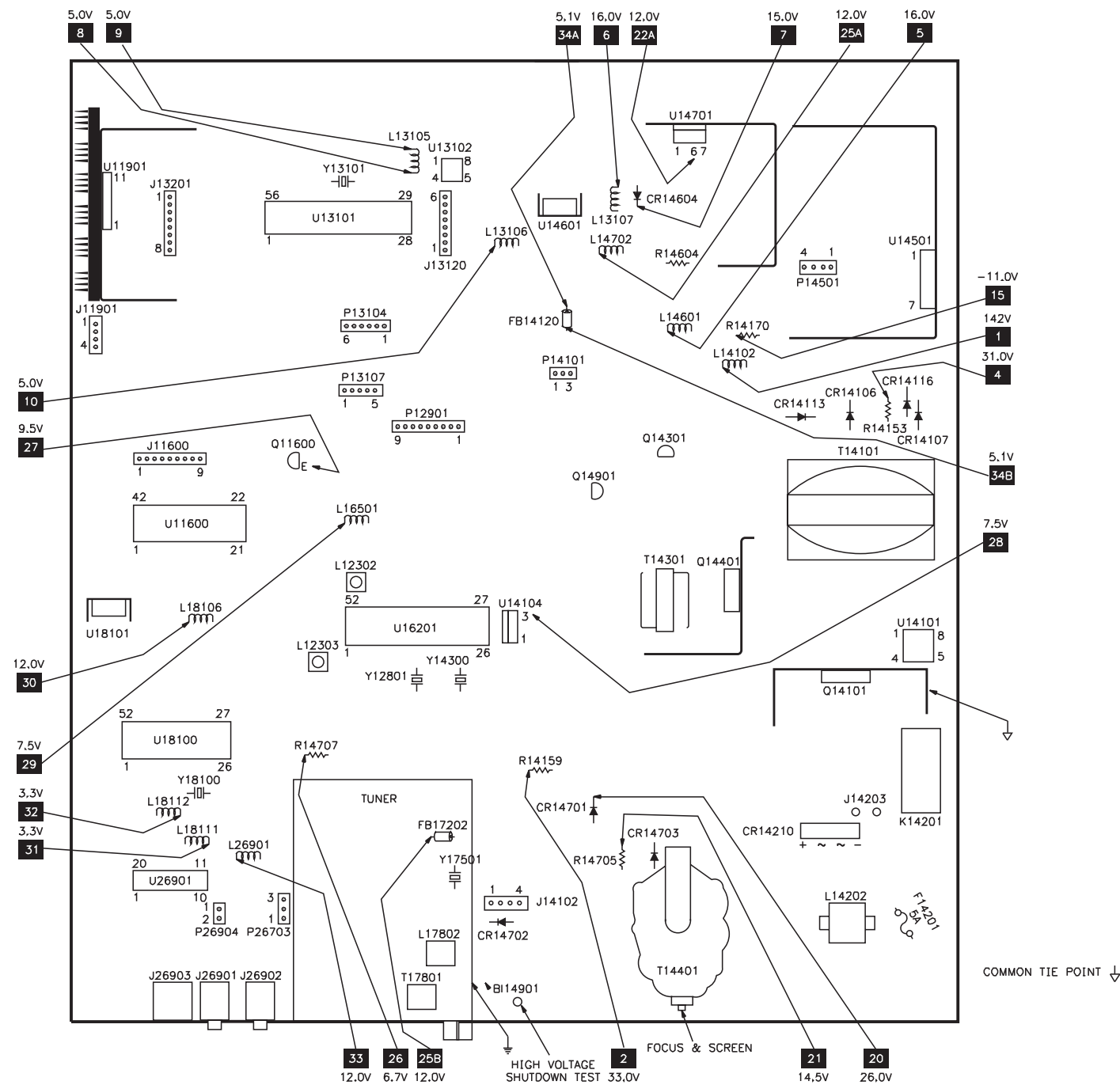
For a Complete List of Manuals,
Visit www.samswebsite.com

PLACEMENT CHART

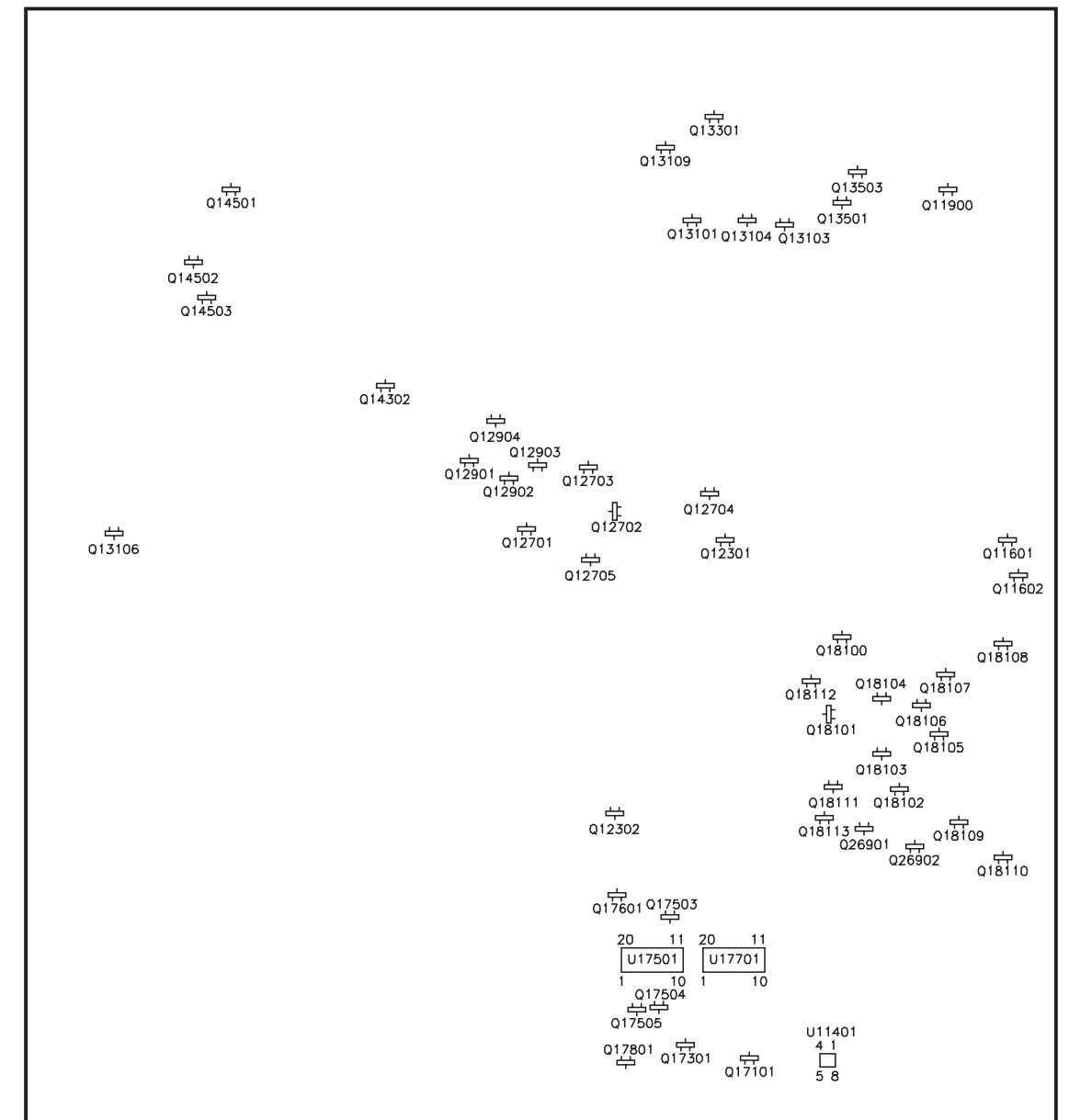
FRONT PANEL BOARD



MAIN BOARD TOP VIEW



MAIN BOARD BOTTOM VIEW



TUNER INFORMATION

MAIN TUNER VOLTAGE CHART

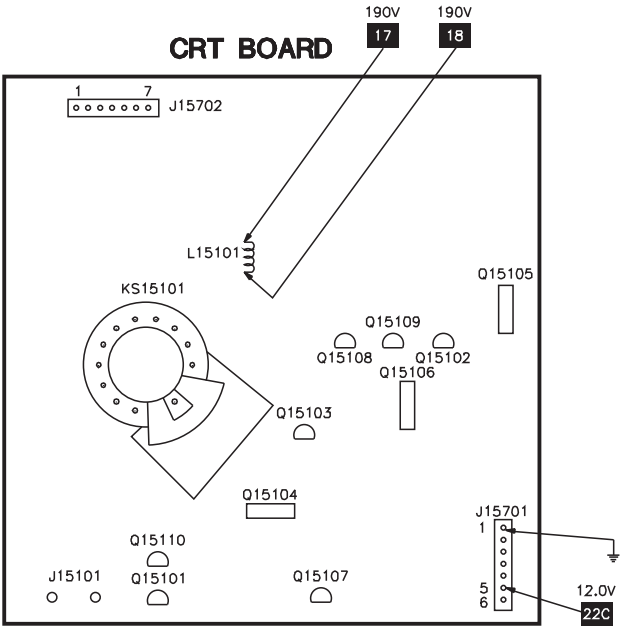
PIP TUNER BOARD CIRCUIT VOLTAGE CHART

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.

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.			

PLACEMENT CHART continued



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:

800-428-7267

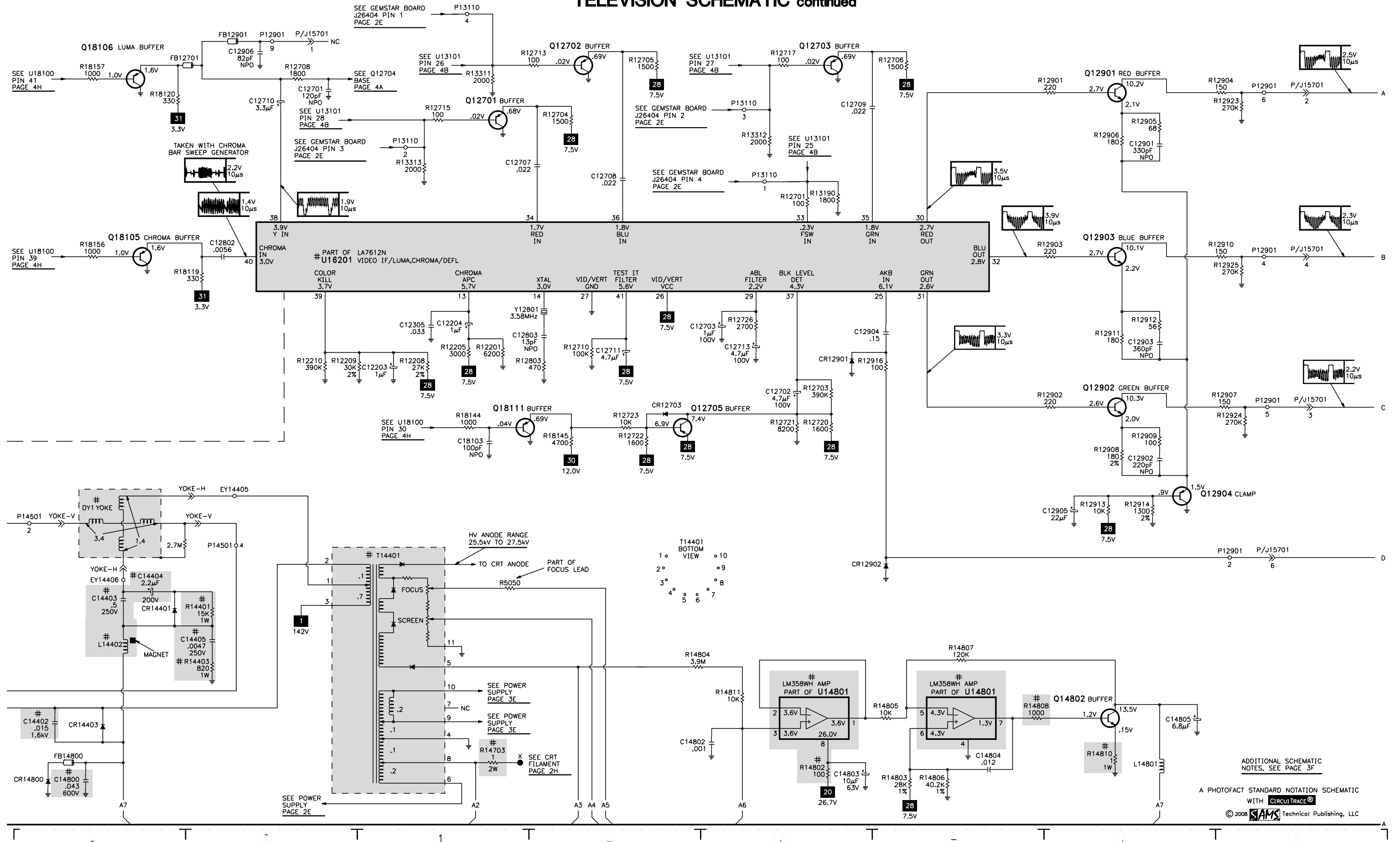
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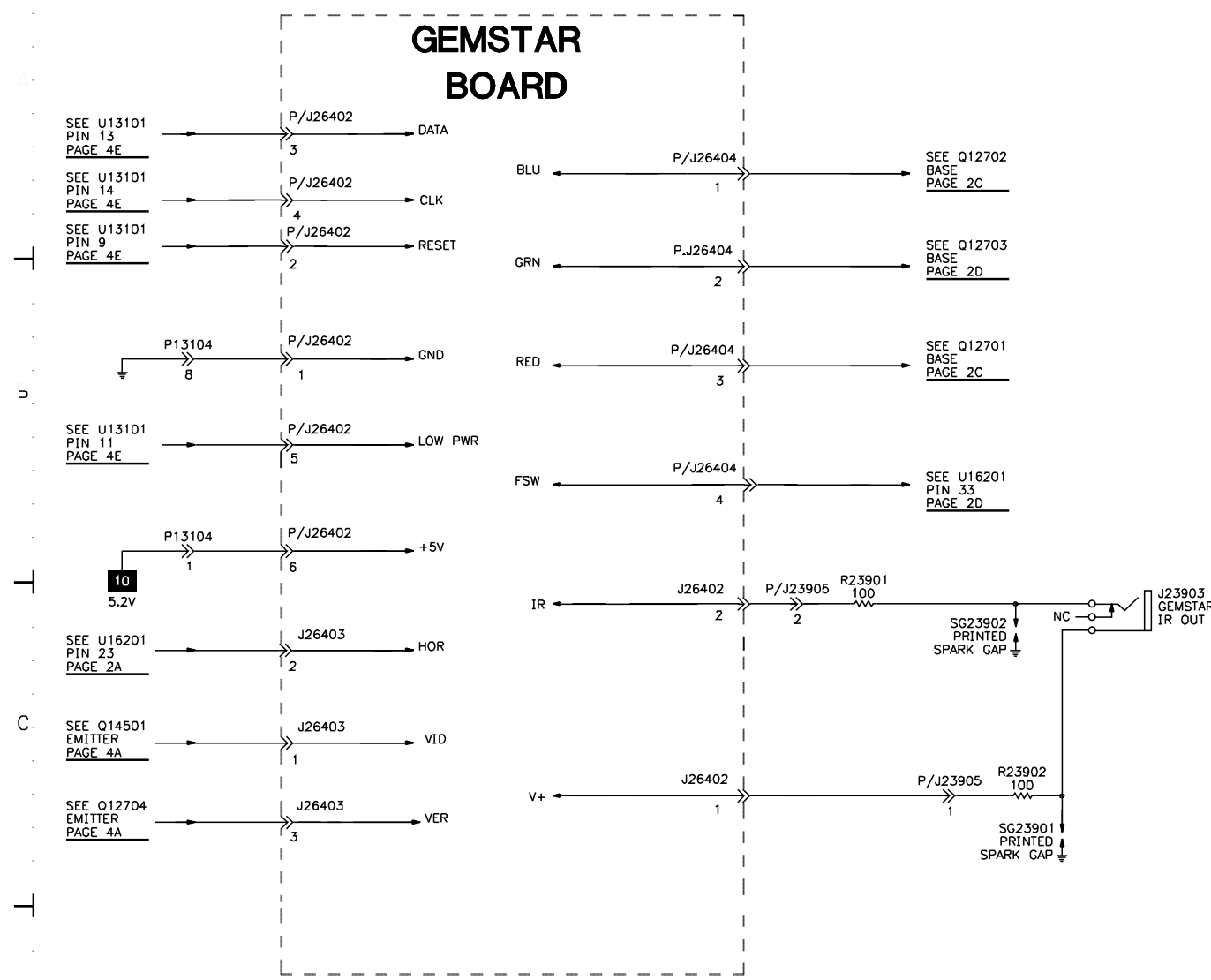


ADDITIONAL SCHEMATIC NOTES, SEE PAGE 3F

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E
GEMSTAR SCHEMATIC



ADDITIONAL SCHEMATIC
NOTES, SEE PAGE 3F

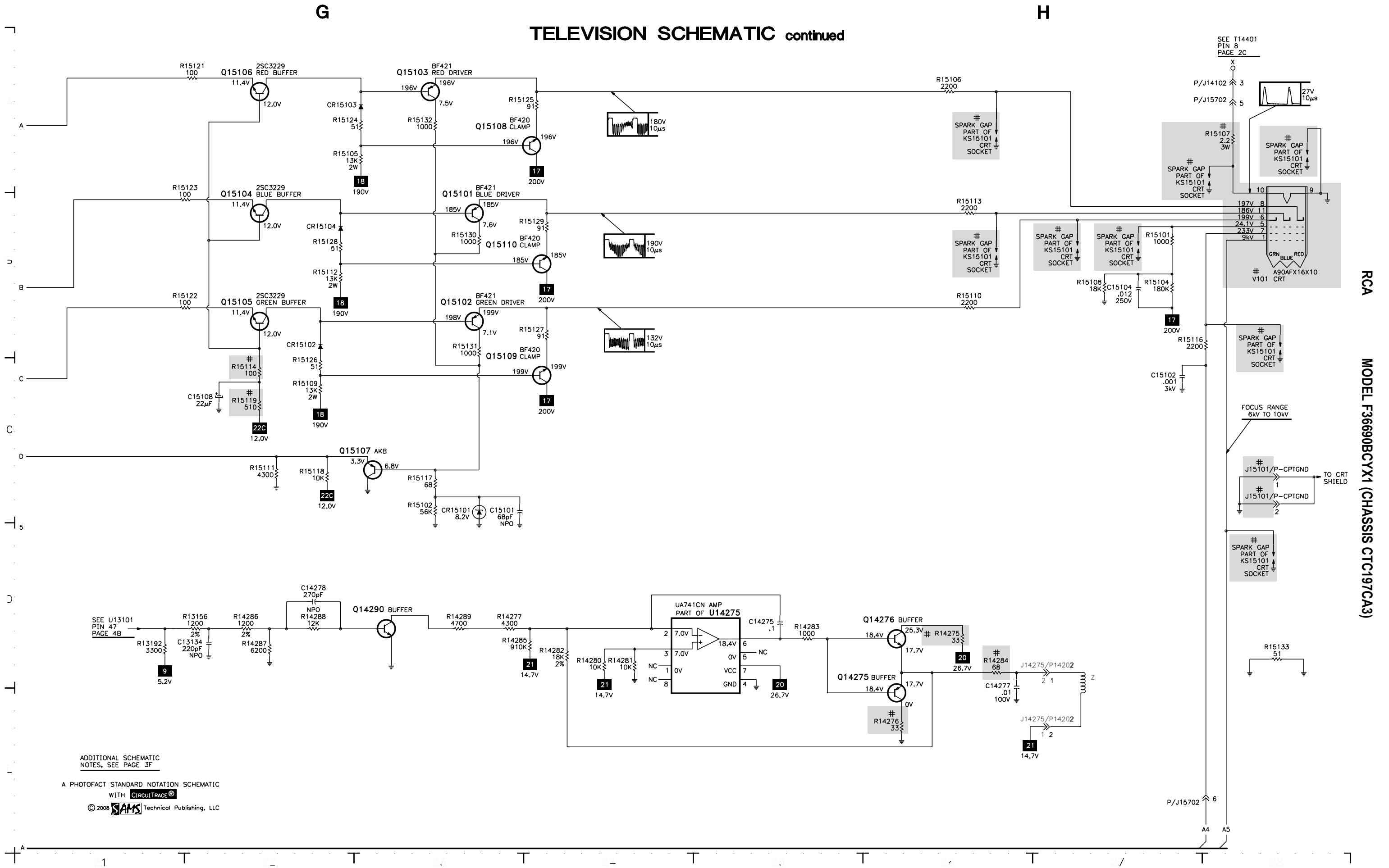
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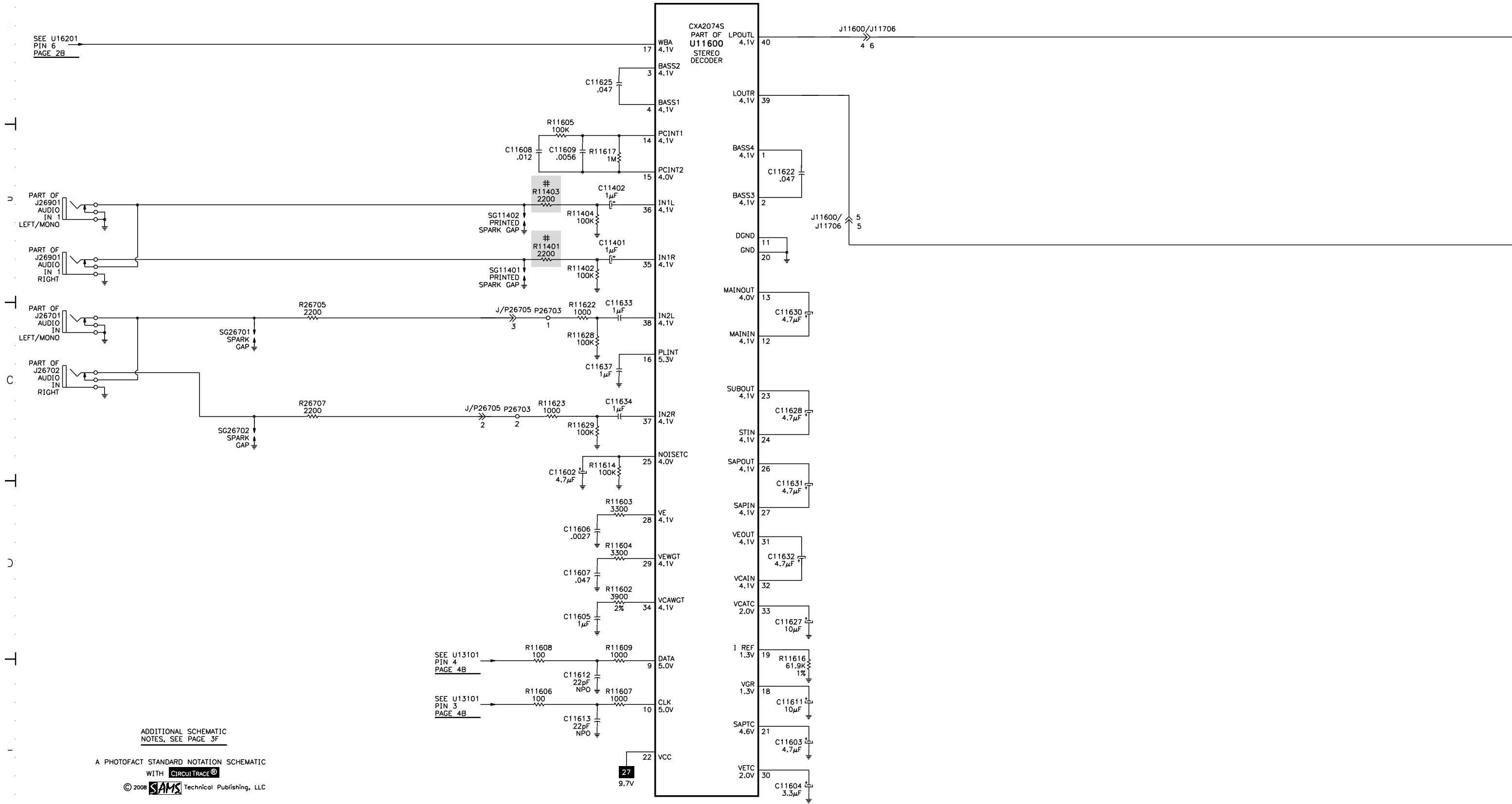
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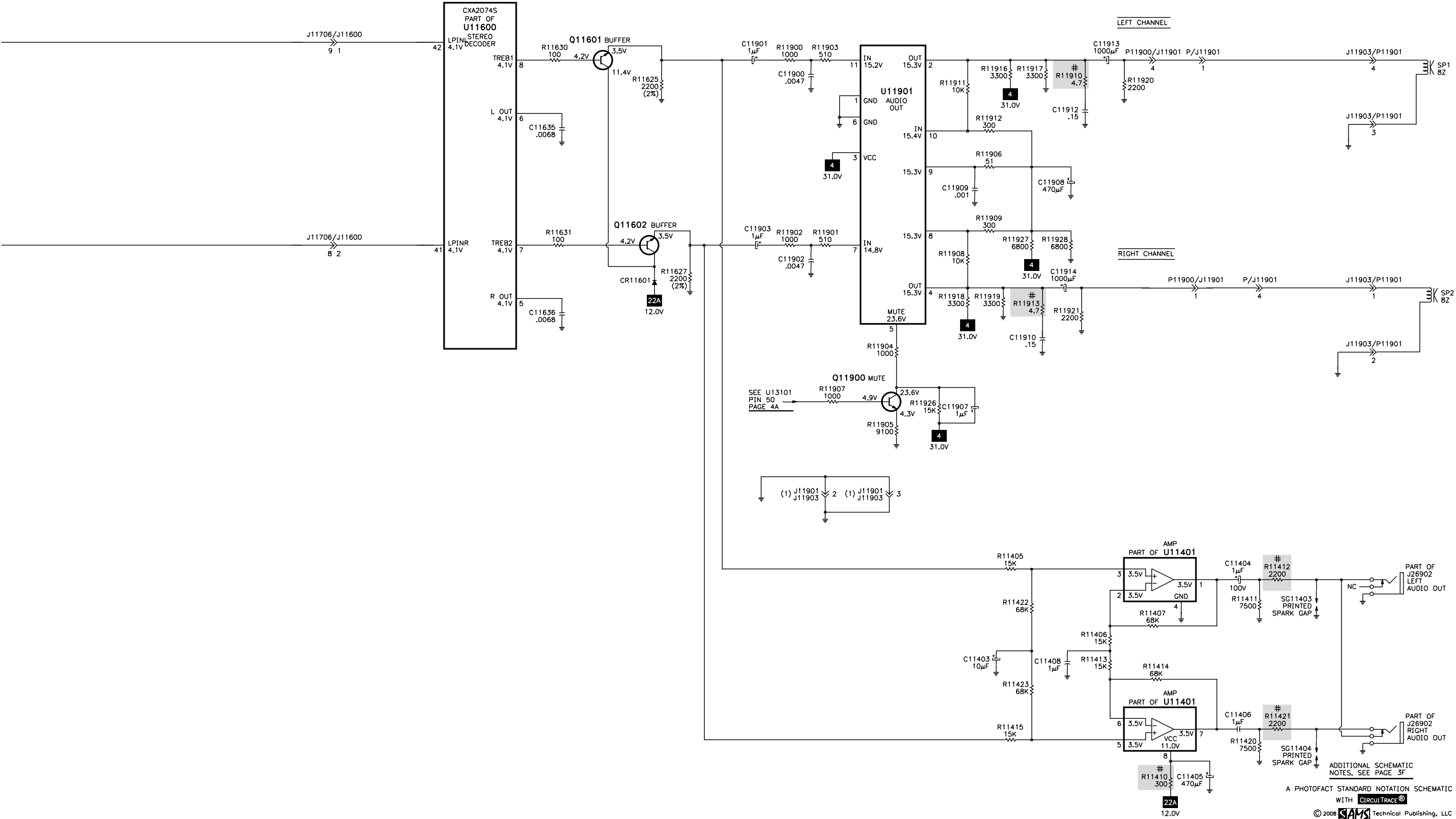
AUDIO SCHEMATIC



ADDITIONAL SCHEMATIC
NOTES, SEE PAGE 3F

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AUDIO SCHEMATIC continued

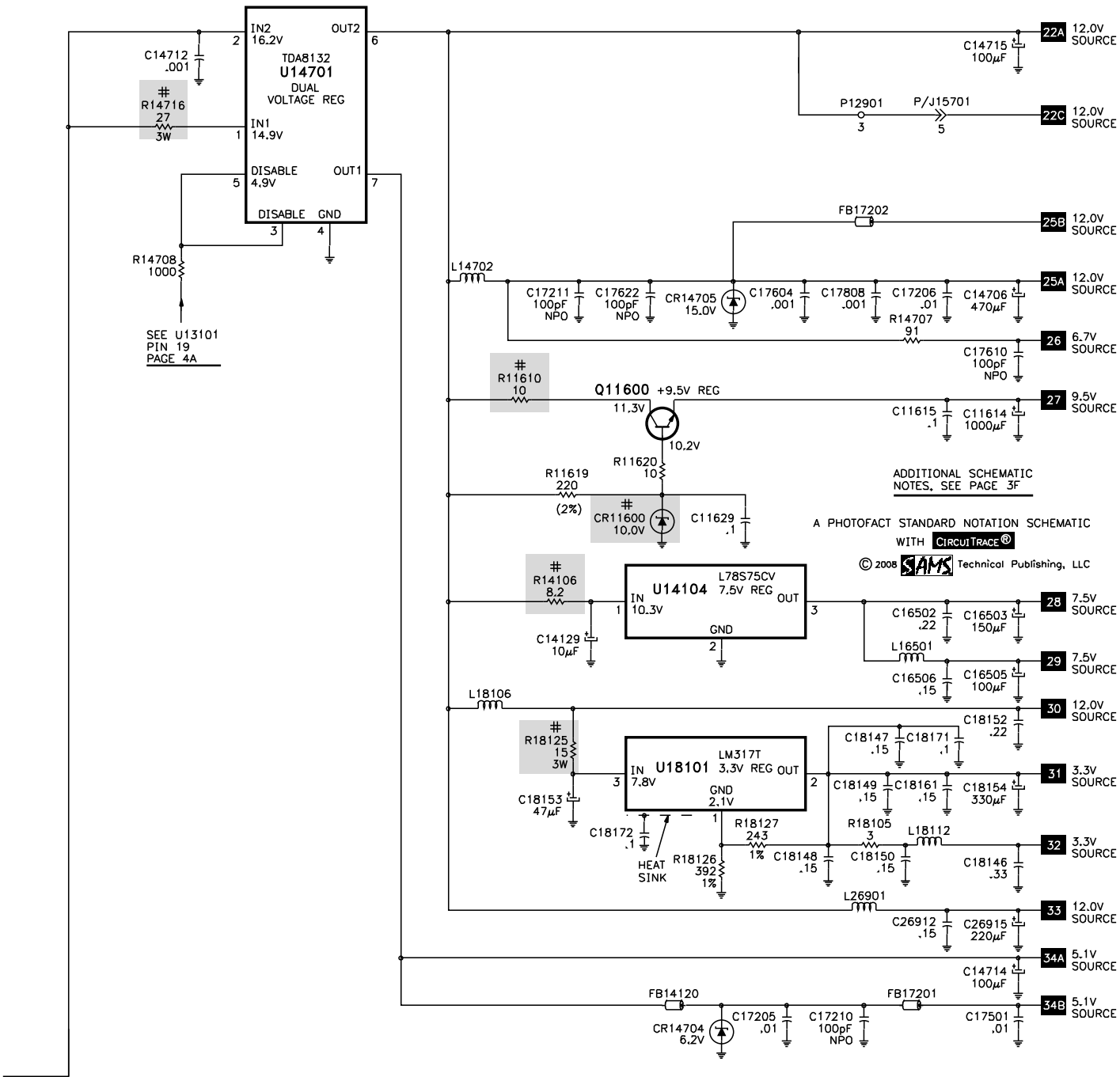


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#	For SAFETY, use only equivalent replacement part, see parts list.	Waveforms and voltages are taken from ground, unless otherwise noted.
—X—	Circuitry not used in some versions.	Waveforms taken with triggered scope and colorbar signal.
---	Circuitry used in some versions.	Waveform voltage is peak to peak. Timebase is per division. Waveforms shown at 10 divisions.
⊥	Ground	Supply voltages maintained as seen at input.
⏏	Chassis ground	Voltages measured with digital meter and a 1000μV RF signal, with colorbar pattern applied to antenna terminal.
▽	Common tie point	Controls adjusted for normal operation.
△	Taken from common tie point	Capacitors are 50 volts or less, 5% or greater unless noted.
3	Schematic CIRCUITRACE® Voltage source tie point.	Electrolytic capacitors are 50 volts or less, 20% or greater unless noted.
A—	Cabling: Heavy lines reduce use of multiple lines.	Resistors are 1/2W or less, 5% or greater unless noted.
		Value in () used in some versions.
		Measurements with switching as shown unless noted.
		Rated voltage shown on zener diodes.

G
POWER SUPPLY SCHEMATIC continued



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

RCA

MODEL F36690BCYX1 (CHASSIS CTC197CA3)

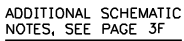
The schematic diagram illustrates the system control section of a television receiver. It features a central control unit (U13101) connected to various input and output lines. The diagram includes a list of components and their values, as well as a table of component values for different models.

Component List:

- R13100: 100K
- R13101: 100K
- R13102: 100K
- R13103: 100K
- R13104: 100K
- R13105: 100K
- R13106: 100K
- R13107: 100K
- R13108: 100K
- R13109: 100K
- R13110: 100K
- R13111: 100K
- R13112: 100K
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- R13325: 100K

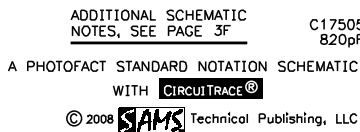
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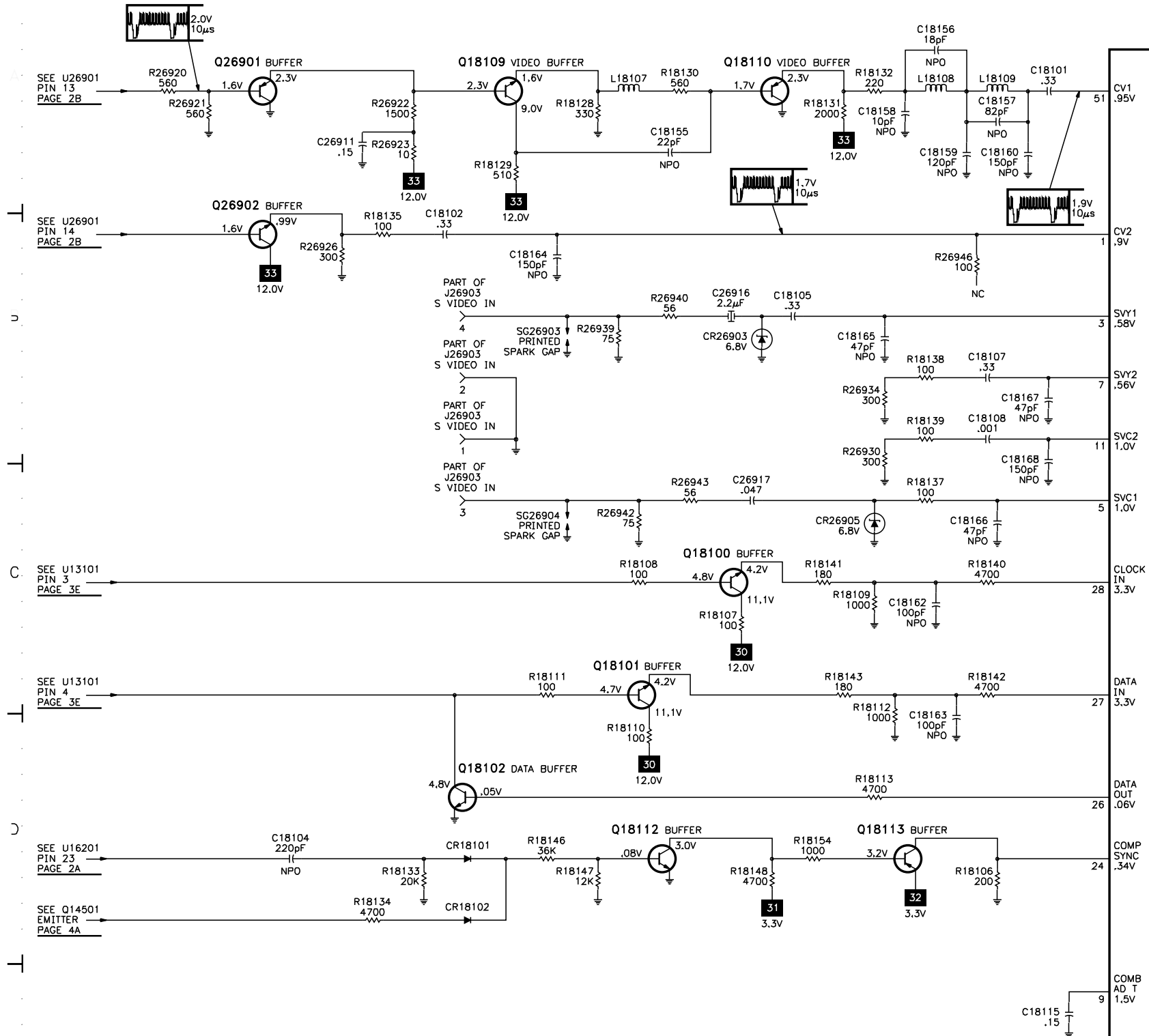
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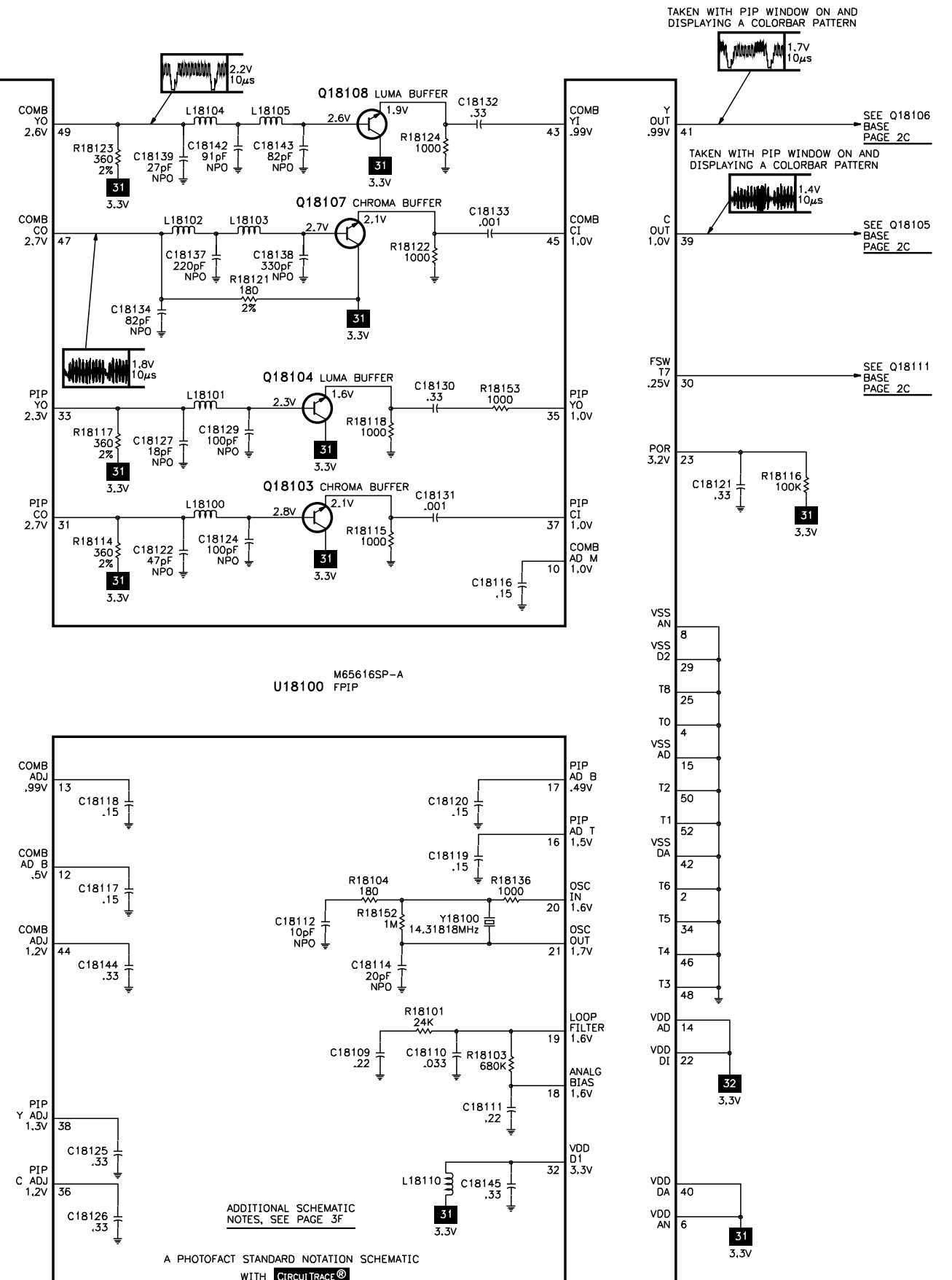
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PIP SCHEMATIC



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RCA

MODEL F36690BCYX1 (CHASSIS CTC197CA3)

SCHEMATIC COMPONENT LOCATION GUIDE

C11401	B32	C12702	C13	C13169	E60	C14307	D1	C17109	B70	C17602	B78	C18129	B86	CR14106	A50	FB14106	A50	L17116	B70	Q14502	E58	R11616	E33	R12706	A14	R13131	B65	R13311	A11	R14301	D4	R15101	B27	R17310	B73	R18119	B10	R26937	C7
C11402	B32	C12703	C13	C13301	A63	C14308	D1	C17110	C73	C17603	D66	C18130	B86	CR14107	B49	FB14107	A50	L17117	C70	Q14503	E57	R11617	B32	R12707	C57	R13134	A66	R13312	A13	R14302	E5	R15102	C23	R17311	B72	R18120	A9	R26938	C7
C11403	E42	C12706	E3	C13302	E63	C14309	E5	C17111	C74	C17604	B55	C18131	C86	CR14108	B46	FB14108	B50	L17118	B70	Q14802	E15	R11619	C54	R12708	A10	R13135	A65	R13313	B11	R14303	E2	R15103	D48	R17312	B74	R18121	B86	R26939	B83
C11404	D43	C12707	B12	C13307	E59	C14310	E5	C17112	C71	C17605	A79	C18132	A87	CR14111	C47	FB14114	E50	L17301	B71	Q14901	D3	R11620	B55	R12709	E3	R13136	B66	R13314	E59	R14304	E5	R15104	B27	R17314	B74	R18122	B86	R26940	B83
C11405	E43	C12708	B12	C13308	B60	C14311	E4	C17113	C72	C17606	D66	C18133	B87	CR14113	E50	FB14115	E51	L17302	B72	Q15101	B23	R11621	A5	R12710	C12	R13137	B66	R13316	D59	R14305	E6	R15105	A23	R17315	D71	R18123	A85	R26942	C83
C11406	E43	C12709	A13	C13309	B60	C14313	E2	C17114	B74	C17607	B79	C18134	B85	CR14115	A51	FB14118	B49	L17303	B73	Q15102	B23	R11622	C32	R12713	A11	R13138	A66	R13317	D58	R14306	E6	R15106	A26	R17316	B72	R18124	A87	R26943	C83
C11408	E42	C12710	A10	C13310	B60	C14314	D1	C17115	C74	C17608	C79	C18137	B86	CR14116	B49	FB14119	B50	L17304	B74	Q15103	A23	R11623	C31	R12715	A11	R13139	A66	R13318	D58	R14307	D1	R15107	A28	R17317	B73	R18125	C54	R26946	B84
C11601	A5	C12711	C12	C13311	B60	C14401	E7	C17116	D75	C17609	A77	C18138	B86	CR14201	C46	FB14120	D55	L17305	B74	Q15104	B22	R11625	A40	R12717	A13	R13140	B65	R13319	D58	R14308	E4	R15108	B27	R17319	B72	R18126	D55	R5050	D11
C11602	C32	C12713	C13	C13312	A63	C14402	E9	C17117	D70	C17610	B56	C18139	A86	CR14210	A47	FB14402	E8	L17306	B75	Q15105	B22	R11627	B40	R12720	C13	R13141	A65	R13329	D63	R14309	E5	R15109	C22	R17320	B75	R18127	D55	RN14501	D5
C11603	E33	C12802	B10	C13401	A57	C14403	D9	C17118	C75	C17611	B80	C18142	A86	CR14302	D2	FB14800	E9	L17307	B75	Q15106	A22	R11628	C32	R12721	C13	R13142	A66	R13372	E59	R14310	E4	R15110	B26	R17321	D71	R18128	A83	RT14201	A46
C11604	E33	C12803	C12	C13402	A57	C14404	D9	C17119	C76	C17612	B80	C18143	A86	CR14303	E5	FB17201	D55	L17308	B71	Q15107	C23	R11629	C32	R12722	C12	R13144	E63	R13401	A57	R14311	D4	R15111	C22	R17322	B74	R18129	A82	SF12301	B1
C11605	D32	C12901	B15	C13501	B62	C14405	D10	C17120	C77	C17613	A79	C18144	D85	CR14401	D9	FB17202	B55	L17601	B79	Q15108	A23	R11630	A39	R12723	C12	R13145	E60	R13401	A58	R14312	D1	R15112	B22	R17402	E71	R18130	A83	SP1	A44
C11606	D32	C12902	C15	C13502	B62	C14501	D5	C17121	D75	C17614	B80	C18145	E87	CR14403	E9	FB17203	A52	L17602	B78	Q15109	C24	R11631	B39	R12726	C13	R13147	D60	R13402	A58	R14313	E1	R15113	B26	R17501	E69	R18131	A84	SP2	C44
C11607	D32	C12903	C15	C13503	B62	C14502	D6	C17122	D76	C17615	A78	C18146	D56	CR14501	D7	FB17501	E69	L17603	B79	Q15110	B24	R11900	A41	R12730	D3	R13148	A60	R13404	A57	R14314	D1	R15114	C22	R17502	E69	R18132	A84	SW13410	C57
C11608	B31	C12904	C14	C13504	B61	C14503	D5	C17123	C70	C17616	B1	C18147	C55	CR14603	B51	FB17601	B79	L17604	B79	Q17101	C73	R11901	B41	R12731	D3	R13150	A60	R13501	B62	R14320	D1	R15116	C27	R17503	E79	R18133	D82	SW13412	B57
C11609	B32	C12905	D15	C14103	C47	C14504	D8	C17124	C70	C17617	B80	C18148	D55	CR14604	B51	FB17602	B79	L17701	C78	Q17301	B73	R11902	B41	R12803	C12	R13151	C66	R13503	B62	R14401	D10	R15117	C23	R17504	E79	R18134	D82	SW13420	B57
C11611	E33	C12906	A10	C14104	E52	C14505	D7	C17125	C71	C17618	B79	C18149	C55	CR14701	D47	FB17603	A77	L17702	C79	Q17503	E75	R11903	A41	R12901	A14	R13152	D60	R13504	B63	R14402	E7	R15118	C22	R17505	E79	R18135	B82	SW13421	B57
C11612	E32	C13101	D58	C14105	A52	C14506	D7	C17126	B70	C17619	B80	C18150	D55	CR14702	D47	FB17604	A78	L17703	D79	Q17504	E70	R11904	C41	R12902	C14	R13153	C61	R13505	B62	R14403	E10	R15119	C22	R17508	D80	R18136	D87	SW13430	B58
C11613	E32	C13103	D63	C14106	C47	C14507	D7	C17127	C70	C17620	A78	C18152	C56	CR14703	E47	IR13401	A57	L17704	C79	Q17505	E70	R11905	C41	R12903	B14	R13154	B65	R13507	B63	R14501	D8	R15121	A21	R17510	E75	R18137	C84	SW13431	B58
C11614	B56	C13104	E60	C14107	B48	C14508	E57	C17201	D71	C17621	A77	C18153	C54	CR14704	D55	J17801	B69	L18100	C86	Q17601	B79	R11906	B42	R12904	A16	R13155	C65	R13508	B62	R14503	E57	R15122	B21	R17511	E75	R18138	B84	T14101	A49
C11615	B56	C13105	C59	C14109	A50	C14601	B50	C17202	A72	C17622	B55	C18154	C56	CR14705	B55	J23903	C20	L18101	B86	Q18100	C83	R11907	C41	R12905	A15	R13156	D22	R13510	B63	R14504	E58	R15123	B21	R17512	E76	R18139	C84	T14301	E6
C11622	B33	C13106	D62	C14110	B49	C14604	B50	C17203	E73	C17701	C78	C18155	A83	CR14800	E9	J26701	C29	L18102	B86	Q18101	D83	R11908	B42	R12906	A15	R13159	D60	R13511	B61	R14505	E59	R15124	A23	R17513	E70	R18140	C84	T14401	D11
C11623	A5	C13107	D63	C14111	B48	C14609	B52	C17204	C75	C17702	C78	C18156	A84	CR14901	E3	J26702	C29	L18103	B86	Q18102	D82	R11909	B42	R12907	C16	R13160	E60	R13512	B61	R14507	D8	R15125	A24	R17514	E70	R18141	C84	T14401	D46
C11625	A32	C13108	B59	C14122	A48	C14610	B52	C17205	D55	C17703	B78	C18157	A84	CR14902	E3	J26901	B29	L18104	A86	Q18103	C86	R11910	A42	R12908	C15	R13161	D64	R14102	E4	R14508	D6	R15126	C22	R17515	E70	R18142	D84	U11401	D43
C11627	D33	C13109	C59	C14123	B52	C14701	D48	C17206	B56	C17704	C78	C18158	A84	CR15101	D23	J26901	B29	L18105	A86	Q18104	B86	R11911	A42	R12909	C15	R13162	D59	R14103	D4	R14509	D6	R15127	B24	R17516	E71	R18143	D84	U11401	E43
C11628	C33	C13110	B59	C14124	C46	C14702	D47	C17207	A51	C17705	C79	C18159	A84	CR15102	C22	J26901	C5	L18106	C54	Q18105	B9	R11912	B42	R12910	B16	R13163	D65	R14104	C46	R14510	D5	R15128	B22	R17517	C70	R18144	C11	U11600	A32
C11629	C55	C13111	B59	C14126	B48	C14703	D47	C17208	E52	C17706	D77	C18160	A84	CR15103	A23	J26902	C7	L18107	A83	Q18106	A9	R11913	C42	R12911	C15	R13165	A60	R14105	C47	R14511	D7	R15129	B24	R17518	E71	R18145	C12	U11600	A39
C11630	C33	C13112	A59	C14127	C47	C14704	D47	C17210	D55	C17707	C78	C18161	C56	CR15104	B22	J26902	D44	L18108	A84	Q18107	B86	R11916	A42	R12912	C15	R13166	B66	R14106	C54	R14512	E48	R15130	B23	R17519	E69	R18146	D82	U11901	A41
C11631	D33	C13113	C52	C14129	C54	C14706	B56	C17211	B54	C17708	C78	C18162	C84	CR17101	C71	J26902	E44	L18109	A84	Q18108	A86	R11917	A42	R12913	D15	R13167	E60	R14107	E50	R14515	E48	R15131	C23	R17520	E69	R18147	D83	U13101	C61
C11632	D33	C13114	C52	C14132	E4	C14707	E47	C17212	A51	C17709	D79	C18163	D84	CR17102	B72	K14201	A46	L18110	E87	Q18109	A82	R11918	C42	R12914	D15	R13169	B65	R14110	A52	R14518	D6	R15132	A23	R17601	B78	R18148	D83	U13102	A67
C11633	C32	C13116	E63	C14133	E4	C14708	E48	C17213	E52	C17710	D78	C18164	B83	CR17103	C72	K14201	C46	L18112	D56	Q18110	A83	R11919	C42	R12916	C14	R13170	E63	R14111	B48	R14519	D5	R15133	D28	R17602	A78	R18152	D86	U14101	B46
C11634	C32	C13117	E61	C14136	C46	C14710	E3	C17214	A72	C17711	D78	C18165	B84	CR17104	C72	L12301	B4	L26901	D55	Q18111	C11	R11920	A43	R12923	A16	R13171	E60	R14122	B46	R14520	D5	R17102	D71	R17603	A79	R18153	B87	U14104	C55
C11635	B39	C13118	D63	C14137	A50	C14712	A53	C17215	A72	C17712	D79	C18166	C84	CR17105	B74	L12302	B3	PW14201	A45	Q18112	D83	R11921	C42	R12924	C16	R13172	C61	R14123	B47	R14521	E58	R17103	B72	R17604	B79	R18154	D83	U14275	D24
C11636	C39	C13119	B66	C14139	A50	C14714	D56	C17301	D69	C17713	C79	C18167	B84	CR17106	C74	L12303	B4	Q11600	B55	Q18113	D84	R11926	C42	R12925	B16	R13174	D57	R14124	B48	R14522	E58	R17104	B72	R17605	B79	R18156	B9	U14501	D7
C11637	C32	C13120	A66	C14140	E50	C14715	A56	C17302	B70	C17714	C79	C18168	C84	CR17107	C74	L12304	C2	Q11601	A40	Q26901	A81	R11927	B42	R13101	D58	R13175	C63	R14125	B47	R14523	E57	R17105	C72	R17606	B79	R18157	A9	U14601	C51
C11900	A41	C13121	A66	C14141	B49	C14716	E8	C17303	D70	C17715	E76	C18171	C56	CR17108	C75	L13105	C52	Q11602	B40	Q26902	B81	R11928	B42	R131															

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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	-	Q11601, 02	-	215495	-	U14701	TDA8132	236646	-
CR11601	-	198589	-	Q11900	-	215495	-	U14801	-	254775	-
CR12301	-	227051	-	Q12301	-	215496	-	# U16201	LA7612N	241266	-
CR12702	-	198589	-	Q12302	-	219412	-	U17501	-	231529	-
CR12703	-	232709	-	Q12701 Thru				U17701	-	227007	-
CR12901	-	232709	-	Q12705	-	215496	-	U18100	-	248620	-
CR12902	-	164874	-	Q12901, 02, 03	-	215495	-	U18101	LM317	214704	-
CR13501	-	164874	-	Q12904	-	215496	-	U26901	TEA6415C	235447	-
CR14102	-	176296	-	Q13101, 03	-	215496	-				
CR14106	-	243636	-	Q13104	-	215495	-	Item No.	Function/Rating	Mfr. Part No.	Notes
CR14107	-	223339	-	Q13106	-	219412	-	C11612, 13	22pF 5% 50V NPO	194903	-
CR14108	-	238099	-	Q13109	-	215496	-	C12310	120pF 5% 50V NPO	194902	-
CR14111	-	232709	-	Q13301	-	215496	-	C12701	120pF 5% 50V NPO	194902	-
CR14113	-	176296	-	Q13501	-	215496	-	C12803	13pF 5% 50V NPO	236629	-
CR14115	-	217306	-	Q13503	-	215495	-	C12901	330pF 5% 50V NPO	205227	-
CR14116	-	223339	-	Q14101	-	237469	-	C12902	220pF 5% 50V NPO	225541	-
CR14201	-	198589	-	Q14275	-	219025	-	C12903	360pF 5% 50V NPO	214034	-
# CR14210	-	214649	-	Q14276	-	229220	-	C12906	82pF 5% 50V NPO	192049	-
CR14302	-	198589	-	Q14290	-	215495	-	C13103	100pF 5% 50V NPO	193340	-
CR14303	-	176296	-	Q14301	-	146851	-	C13106, 07	56pF 5% 50V NPO	214741	-
CR14401	-	140971	-	Q14302	-	215495	-	C13112	330pF 5% 50V NPO	205227	-
CR14403	-	227291	-	Q14401	-	237470	-	C13120, 21	100pF 5% 50V NPO	193340	-
CR14501	-	155276	-	Q14501	-	215495	-	C13134	220pF 5% 50V NPO	225541	-
CR14603	-	139706	-	Q14502	-	215496	-	C13146, 47	100pF 5% 50V NPO	193340	-
CR14604	-	155276	-	Q14503	-	215495	-	C13153, 54	100pF 5% 50V NPO	193340	-
CR14701	-	241304	-	Q14802	-	217309	-	C13166	120pF 5% 50V NPO	174414	-
CR14702	-	243636	-	# Q14901	-	147665	-	C13168	100pF 5% 50V NPO	193340	-
CR14703	-	207878	-	Q15101, 02, 03	BF421	227406	-	C13308 Thru			
CR14704	-	237472	-	Q15104, 05, 06	-	208434	-	C13311	22pF 5% 50V NPO	194903	-
CR14705	-	237473	-	Q15107	-	219025	-	C13312	100pF 5% 50V NPO	193340	-
CR14800	-	243636	-	Q15108, 09, 10	BF420	226453	-	# C14105	33μF 5% 200V	217299	-
# CR14901	-	157301	-	Q17101	-	226973	-	# C14107, 09	470pF 5% 2kV	227068	-
# CR14902	-	159429	-	Q17301	-	227008	-	C14110	470pF 10% 500V NPO	227050	-
CR15101	-	232545	-	Q17503, 04	-	215496	-	# C14122	.033μF 5% 400V	214747	-
CR15102, 03, 04	-	139706	-	Q17505	-	231534	-	# C14126	470pF 5% 2kV	227068	-
CR17101	-	255493	-	Q17601	-	226981	-	# C14136, 37	470pF 5% 2kV	227068	-
CR17102	-	215494	-	Q18100, 01	-	215495	-	C14140, 41	470pF 10% 500V NPO	227050	-
CR17103	-	215493	-	Q18102	-	219412	-	# C14144	.01μF 10% 50V	240934	-
CR17104	-	233085	-	Q18103, 04	-	215495	-	# C14145	100μF 20% 63V	237425	-
CR17105	-	215494	-	Q18105, 06	-	215496	-	# C14146	.0068μF 10% 100V	232362	-
CR17106, 07	-	215493	-	Q18107, 08, 09	-	215495	-	# C14202	.22μF 20% 250VAC	-	-
CR17108	-	215494	-	Q18110, 11	-	215496	-		.22μF 20% 125VAC	231451	-
CR17109, 10, 11	-	215493	-	Q18112	-	215495	-	# C14203, 04, 05	680pF 20% 1kV	190538	-
CR17112	-	227082	-	Q18113	-	215496	-	# C14206	470pF 250V	250102	Capristor
CR17113	-	215493	-	Q26901	-	215496	-		470pF 120V	-	-
CR17301	-	215493	-	Q26902	-	215495	-	# C14207	.005μF 20% 120V	195697	-
CR17303, 04, 05	-	215492	-	U11401	-	237474	-	# C14208	680μF 20% 200V	190560	-
CR17307	-	227082	-	U11600	CXA2074S	237930	-	# C14209	.1μF 20% 250VAC	-	-
CR17601, 02	-	227051	-	U11901	TDA7499	235446	-		.1μF 20% 125VAC	229322	-
CR17701	-	215492	-	U13101	-	242620	-	# C14210	680pF 20% 1kV	190538	-
CR17702	-	215494	-	U13102	ST24C08	241275	-	C14211, 12	470pF 10% 500V NPO	227050	-
CR17703	-	215493	-	U14101	TDA4605	237476	-	C14278	270pF 5% 50V NPO	249030	-
CR18101, 02	-	232709	-	U14104	L78S75CV	231526	-	C14303	470pF 5% 50V NPO	214732	-
CR26901, 02, 03	-	220638	-	U14275	-	237477	-	C14310	15pF 1% 250V NPO	223899	-
CR26905	-	232710	-	U14501	-	215531	-	C14311	47pF 5% 50V NPO	210689	-
Q11600	-	177788	-	U14601	L7852CV	241752	-	C14313, 14	100pF 5% 50V NPO	193340	-

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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
C14401	470pF 5% 50V NPO	214732	-	C17705	27pF 5% 50V N750	214760	-		Receiver	232242	IR
# C14402	.015µF 1.6kV	206007	-	C17707	1pF 5% 50V NPO	227084	-	J23904	Jack	227334	Headphone
# C14403	.5µF 5% 250V	200150	-	C17708	3pF 5%50V NPO	227088	-	J26902	Jack	227334	Assembly
# C14404	2.2µF 20% 200V	238291	-	C17709	68pF 5% 50V NPO	193339	-	J26903	Jack	195705	SVHS
# C14405	.0047µF 10% 250V	142765	-	C17710	3pF 5% 50V NPO	227088	-	# K14201	Relay	190490	-
# C14502	3300µF 20% 25V	227913	-	C17711	1pF 5% 50V NPO	227084	-	# KS15101	Socket	233120	CRT
C14508	470pF 10% 50V NPO	192040	-	C17712	3pF 5% 50V NPO	227088	-	L12301	-	-	-
C14702, 04	680pF 10% 1kV	190538	-	C18103	100pF 5% 50V NPO	193340	-	L12302	VCO	215502	-
C14707	470pF 10% 500V NPO	227050	-	C18104	220pF 5% 50V NPO	225541	-	L12303	FM Detect	233056	-
C14710	.01µF 20% 1kV	137583	-	C18112	10pF 5% 50V NPO	200537	-	L12304	10µH	160518	-
# C14716	470pF 5% 2kV	227068	-	C18114	20pF 5% 50V NPO	220150	-	L13105	4.7µH	237451	-
# C14800	.043 5% 600V	220336	-	C18122	47pF 5% 50V NPO	210689	-	L13107	27µH	190017	-
C15101	68pF 5% 50V NPO	145676	-	C18124	100pF 5% 50V NPO	193340	-	L14102	22µH	215504	-
C15102	.001µF 10% 3kV	120696	-	C18127	18pF 5% 50V NPO	214028	-	# L14200 (3)	Coil, Degaussing	225836	-
C15105	27pF 5% 500V NPO	237517	-	C18129	100pF 5% 50V NPO	193340	-	# L14200 (4)	Coil, Degaussing	237932	-
C17101	180pF 2% 50V NPO	241265	-	C18134	82pF 5% 50V NPO	192049	-	# L14200 (5)	Coil, Degaussing	225836	-
C17104	330pF 5% 50V NPO	205227	-	C18137	220pF 5% 50V NPO	225541	-	# L14201	Line Filter	190507	-
C17109	22pF 5% 50V NPO	194903	-	C18138	330pF 5% 50V NPO	205227	-	L14401	4µH	215505	-
C17110	39pF 5% 50V NPO	181090	-	C18139	27pF 5% 50V NPO	197604	-	# L14402	Horizontal Linearity	210895	-
C17112	3pF 5% 50V NPO	227088	-	C18142	91pF 5% 50V NPO	192057	-	L14601	10µH	175409	-
C17113	1.5pF 5% 50V NPO	223146	-	C18143	82pF 5% 50V NPO	192049	-	L14702	47µH	190729	-
C17115	330pF 5% 50V NPO	205227	-	C18155	22pF 5% 50V NPO	194903	-	L14801	390µH	237452	-
C17117	39pF 5% 50V NPO	202905	-	C18156	18pF 5% 50V NPO	214028	-	L15101	47µH	195713	-
C17118	180pF 5% 50V NPO	211039	-	C18157	82pF 5% 50V NPO	192049	-	L16501	220µH	195707	-
C17123	20pF 5% 50V NPO	220150	-	C18158	10pF 5% 50V NPO	200537	-	L17101	-	237456	-
C17124	39pF 5% 50V NPO	202905	-	C18159	120pF 5% 50V NPO	194902	-	L17102	-	227003	-
C17126	150pF 5% 50V NPO	214032	-	C18160	150pF 5% 50V NPO	214032	-	L17103	-	227005	-
C17127	39pF 5% 50V NPO	202905	-	C18162, 63	100pF 5% 50V NPO	193340	-	L17104	-	226992	-
C17210, 11, 12	100pF 5% 50V NPO	193340	-	C18164	150pF 5% 50V NPO	214032	-	L17105	-	227006	-
C17214, 15	100pF 5% 50V NPO	193340	-	C18165, 66, 67	47pF 5% 50V NPO	210689	-	L17106	3.9µH	200559	-
C17302	27pF 5% 50V NPO	197604	-	C18168	150pF 5% 50V NPO	214032	-	L17107	-	226987	-
C17305	27pF 5% 50V N750	214760	-	C26901, 02	10pF 5% 50V NPO	200537	-	L17108	-	237457	-
C17306	27pF 5% 50V NPO	197604	-	C26916	2.2µF 20% 50V NP	190527	-	L17109	-	226993	-
C17308	120pF 5% 50V NPO	194902	-	CF12302	Filter	195702	4.5MHz	L17110	-	226994	-
C17309	27pF 5% 50V NPO	197604	-	CF12303	Trap	238296	4.5MHz	L17111	-	226998	-
C17310	.75pF 5% 50V NPO	227269	-	# DY1 (1)	Yoke	-	-	L17112	-	237458	-
C17311	27pF 5% 50V N750	214760	-	# F14201	Fuse	175425	5A, 125V, Fast Acting	L17113	-	227000	-
C17312	18pF 2% 50V N220	227077	-	FB11901	Ferrite Bead	161237	-	L17114	-	237459	-
C17313, 14	470pF 5% 50V NPO	214732	-	FB12701	Ferrite Bead	161237	-	L17115	-	227000	-
C17316	27pF 5% 50V NPO	197604	-	FB12901	Ferrite Bead	223785	-	L17116	-	237460	-
C17502, 03	22pF 5% 50V NPO	194903	-	FB13101	Ferrite Bead	226467	-	L17117, 18	-	237461	-
C17511	27pF 5% 50V NPO	197604	-	FB14105	Ferrite Bead	215547	-	L17301	-	237462	-
C17517	10pF 5% 50V NPO	200537	-	FB14106, 07, 08	Ferrite Bead	237504	-	L17302	-	226988	-
C17602	100pF 5% 50V NPO	193340	-	FB14114 Thru				L17303	-	227005	-
C17605	330pF 5% 50V NPO	205227	-	FB14119	Ferrite Bead	237504	-	L17304	-	237464	-
C17608, 09, 10	100pF 5% 50V NPO	193340	-	FB14120	Ferrite Bead	226467	-	L17305	-	237465	-
C17611	27pF 5% 50V NPO	197604	-	FB14402	Ferrite Bead	229324	-	L17306	-	226990	-
C17613	100pF 5% 50V NPO	193340	-	FB14800	Ferrite Bead	226467	-	L17307	-	226991	-
C17615	100pF 5% 50V NPO	193340	-	FB17201	Ferrite Bead	215546	-	L17308	-	237466	-
C17616	22pF 5% 50V NPO	194903	-	FB17202	Ferrite Bead	240150	-	L17601, 02	-	226999	-
C17617 Thru				FB17203	Ferrite Bead	215546	-	L17603	-	237467	-
C17622	100pF 5% 50V NPO	193340	-	FB17501	Ferrite Bead	240150	-	L17604	-	237468	-
C17701	1pF 5%50V NPO	227084	-	FB17601, 02	Ferrite Bead	240150	-	L17701, 02	-	226986	-
C17702	2pF 5% 50V NPO	227074	-	FB17603, 04	Ferrite Bead	223785	-	L17703	-	226989	-
C17703	2pF 5%50V N750	226965	-	FB26401, 02	Ferrite Bead	226467	-	L17704	-	226996	-
C17704	1pF 5% 50V NPO	227084	-	IR13201	Receiver	245541	IR	L18100	15µH	197613	-

PARTS LIST continued

Item No.	Function/Rating	Mfr. Part No.	Notes	Item No.	Function/Rating	Mfr. Part No.	Notes	Item No.	Function/Rating	Mfr. Part No.	Notes
L18101	18μH	195711	-	# R14403	820 5% 1W	175349	-	SP1, 2 (4)	Speaker	234543	2.25 X 5 IN, 8 Ohms, 5W
L18102	5.6μH	227886	-	R14504	5100 2% 1/8W	205345	-	SP1, 2 (5)	Speaker	226332	90mm, 8 Ohms, 5W
L18103	8.2μH	149170	-	# R14507	1.5 5% 2W	237441	-	SW13410	Switch	245531	Channel Up
L18104	10μH	160518	-	R14510	510 2% 1/4W	175307	-		Switch	207842	Channel Up
L18105	12μH	210687	-	# R14511	1 10% 2W	215577	-	SW13412	Switch	245531	Power
L18106	27μH	190017	-	# R14515	330 5% 2W Nonflammable	175310	-		Switch	207842	Power
L18107	15μH	197613	-	# R14517	12 5% 1W Nonflammable	237496	-	SW13420	Switch	245531	Channel Down
L18108	5.6μH	227886	-	# R14518	270 5% 2W	179240	-		Switch	207842	Channel Down
L18109	4.7μH	197614	-	# R14604	3.3 5% 2W Nonflammable	223680	-	SW13421	Switch	245531	Volume Up
L18110	10μH	207880	-	# R14701	10 20% 1/2W	241261	-		Switch	207842	Volume Up
L18112	10μH	235445	-	# R14703	1 5% 3W	145384	-	SW13430	Switch	245531	Menu
L26901	100μH	160186	-	# R14704	82K 10% 1/2W	239116	-		Switch	207842	Menu
# PW14201	Line Cord	241251	AC, Polarized	# R14705	1 5% 1/4W Nonflammable	241262	-	SW13431	Switch	245531	Volume Down
# R11401, 03	2200 5% 1/4W	175042	-	# R14716	27 5% 3W	237443	-		Switch	207842	Volume Down
# R11410	300 5% 1/4W	241257	-	# R14802	100 5% 1/4W	198667	-	# T14101	SMT	241754	-
# R11412, 21	2200 10% 1/4W	237429	-	# R14803	28K 1% 1/4W	195731	-	# T14301	Horizontal Drive	215541	-
R11602	3900 2% 1/10W	197907	-	# R14806	40.2K 1% 1/4W	219026	-	# T14401 (2)	Horizontal Output	241319	-
# R11610	10 5% 1/4W	241259	-	# R14808	1000 5% 1/4W Nonflammable	237444	-	# V101 (3)	CRT	-	A90AEJ15X09
R11616	61.9K 1% 1/10W	225705	-	# R14810	1 5% 1W Nonflammable	233165	-	# V101 (4)	CRT	-	A80AEJ15X09
R11619	220 2% 1/4W	175324	-	# R14901	22 5% 1/4W Nonflammable	241921	-	# V101 (5)	CRT	-	A90AEJ15X09
# R11910, 13	4.7 5% 1/4W Nonflammable	200197	-	# R14907	26.7K 1% 1/4W	196081	-	Y12801	Crystal	161235	3.58MHz
R12208	27K 2% 1/10W	205245	-	# R14908	41.2K 1% 1/4W	176500	-	Y13101	Crystal	230708	4MHz
R12209	30K 2% 1/10W	200176	-	R14909	5100 2% 1/4W	175426	-	Y14300	Resonator	227064	507kHz
R12302	620 2% 1/8W	181493	-	# R15103	1200 5% 1W	179782	-	Y17501	Crystal	230708	4MHz
R12304	39002% 1/8W	197907	-	# R15107	2.2 5% 3W	227091	-	Y18100	Crystal	197652	14.318MHz
R12311, 12	120K 2% 1/10W	207834	-	# R15114	100 5% 1/4W	210245	-		Fuse Holder	176642	For F14201 (2 Used)
R12314	750 2% 1/10W	202914	-	# R15119	510 5% 1/4W	237520	-	#	PC Board	246631	CRT /SVM
# R12709	27K 10% 1/2W	238958	-	R17102	1200 2% 1/10W	194920	-		PC Board	237420	FPA
R12730	931 1% 1/4W	227847	-	R17107	470K 2% 1/10W	205381	-	#	PC Board	237421	In/Out
R12908	180 2% 1/10W	194918	-	R17112, 14	1200 2% 1/10W	194920	-		PC Board	241271	Gemstar 3
R12914	1300 2% 1/10W	205340	-	R17306	82K 2% 1/10W	197906	-		Transmitter	240895	Remote, CRK76TA1
R13123	100K 1% 1/10W	215221	-	R17307	51K 2% 1/10W	205365	-				
R13124	47.5K 1% 1/10W	237430	-	R17309, 17	91 2% 1/10W	205330	-				
R13156	1200 2% 1/10W	194920	-	R17505, 08	47K 2% 1/10W	205364	-				
R13182	1000 2% 1/10W	197638	-	R17605	470 2% 1/10W	194926	-				
R13183	2700 2% 1/10W	197905	-	R17609	51K 2% 1/10W	205365	-				
R14126	30K 5% 3W	238295	-	R17704, 06	51K 2% 1/10W	205365	-	# For SAFETY use only equivalent replacement part.			
# R14106	8.2 5% 1/2W	120595	-	R17708	1200 2% 1/10W	194920	-				
# R14107	1 5% 1/4W Nonflammable	241262	-	R18114, 17	360 2% 1/10W	205337	-	(1) Part of CRT.			
R14110	20K 5% 3W	237431	-	R18121	180 2% 1/10W	194918	-	(2) Screen and focus controls are part of T4401.			
# R14125	36 5% 1/4W Nonflammable	241258	-	R18123	360 2% 1/10W	205337	-	(3) Used in model F36685YX1.			
# R14135	18 5% 1/2W	241320	-	# R18125	15 5% 3W	237447	-	(4) Used in model F32690BCYX1.			
R14147	5490 .1% 1/4W	237434	-	R18126	392 1% 1/8W	234552	-	(5) Used in model F36690BCYX1.			
R14149	169 .1% 1/4W	241751	-	R18127	243 1% 1/10W	214132	-				
# R14153	2 5% 3W	237436	-	# R26705, 07	2200 10% 1/4W	237429	-				
R14159	12K 5% 3W	227393	-	R26920, 21	560 2% 1/8W	182822	-				
# R14170	10 5% 1/4W Nonflammable	241259	-	R26924	560 2% 1/8W	182822	-				
# R14200	120K 10% 1/2W	238903	-	R26925	560 2% 1/10W	205338	-				
# R14202	2.7M 10% 1/2W	217662	-	R26928	560 2% 1/8W	182822	-				
# R14275, 76	33 5% 1/4W	175754	-	R26929	560 2% 1/10W	205338	-				
R14282	18K 2% 1/8W	174366	-	R26932	560 2% 1/8W	182822	-				
# R14284	68 5% 1/4W	175039	-	R26933	560 2% 1/10W	205338	-				
R14286	1200 2% 1/8W	194920	-	RN14501	Resistor Network	215499	-				
# R14305	2700 2% 3W Nonflammable	243743	-	# RT14201	8 Cold PTC	207768	-				
R14307	1500 2% 1/10W	197628	-	SF12301	Filter	217318	SAW				
# R14401	15K 5% 1W	190557	-	SP1, 2 (3)	Speaker	226332	90mm, 8 Ohms, 5W				

RCA

MODEL F36690BCYX1 (CHASSIS CTC197CA3)