

PHOTOFAC[®] SILVER

JVC

Model AV-27F802/SME



Representative Model

**Essential coverage
for servicing a television receiver...**

- **Schematics**
- **Component locations**
- **Parts list**

SET 5326

MODEL AV-27F802/SME

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5326

HIGH VOLTAGE SHUTDOWN TEST

Apply 120VAC to the receiver. Press the power button. Momentarily place a $20.3K \pm 101$ ohms 1/4 watt resistor across pin 2 and pin 3 of connector S1. The receiver should lose raster and sound and remain in that state. If the receiver does not lose raster and sound, the high voltage shutdown circuit requires repair. To resume normal operation, remove resistor across pin 2 and pin 3 of connector S1. Remove AC power and wait 15 seconds and test the receiver for normal operation.

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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DECEMBER 2007 SET 5326

5326

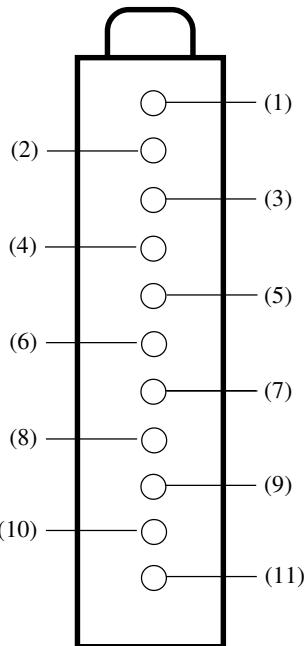
TUNER INFORMATION

MAIN TUNER VOLTAGE CHART

Pin	VHF Low Band	VHF High Band	UHF Band
(1) AGC	2.1V	2.4V	2.9V
(2) TU	1.8V	4.5V	6.6V
(3) ADRS	4.8V	4.8V	4.8V
(4) SCL	2.4V	2.4V	2.4V
(5) SDA	2.8V	2.8V	2.8V
(6) NC	4.8V	4.8V	4.8V
(7) 5V	4.8V	4.8V	4.8V
(8) LOCK	0V	0V	0V
(9) BT	32.0V	32.0V	32.0V
(10) NC	0V	0V	0V
(11) IF	0V	0V	0V

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

MAIN TUNER TERMINAL GUIDE

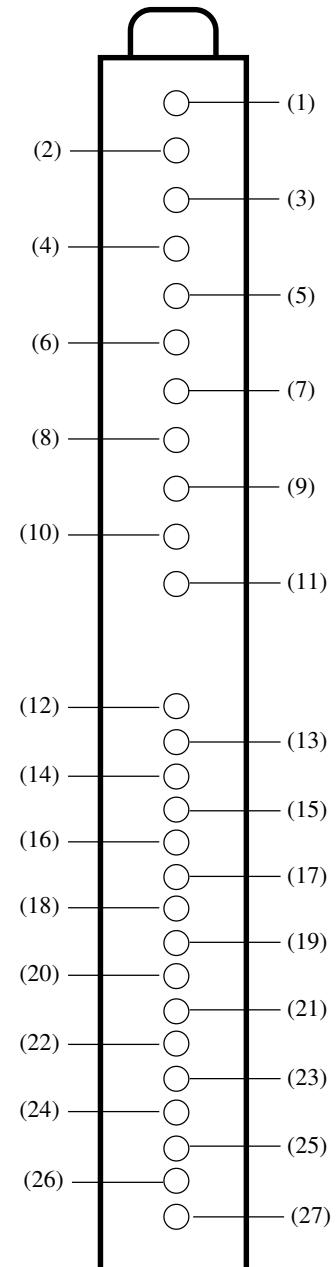


PIP TUNER VOLTAGE CHART

Pin	VHF Low Band	VHF High Band	UHF Band
(1) AGC	2.3V	2.5V	1.9V
(2) BT	1.1V	4.5V	5.2V
(3) ADRS	2.5V	2.5V	2.5V
(4) SCL	2.4V	2.4V	2.4V
(5) SDA	2.9V	2.9V	2.9V
(6) 9V	0V	0V	0V
(7) 5V	5.0V	5.0V	5.0V
(8) LOCK	0V	0V	0V
(9) 30V	32.0V	32.0V	32.0V
(10) NC	0V	0V	0V
(11) IF	0V	0V	0V
(12) NC	0V	0V	0V
(13) 9V	9.0V	9.0V	9.0V
(14) NC	2.9V	2.9V	2.9V
(15) GND	0V	0V	0V
(16) AFT	2.3V	2.4V	1.8V
(17) RF AGC	2.3V	2.5V	1.9V
(18) VIDEO	2.0V	2.0V	2.0V
(19) NC	0V	0V	0V
(20) GND	0V	0V	0V
(21) NC	0V	0V	0V
(22) NC	0V	0V	0V
(23) NC	0V	0V	0V
(24) NC	0V	0V	0V
(25) NC	0V	0V	0V
(26) NC	0V	0V	0V
(27) NC	0V	0V	0V

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 TERMINAL GUIDE



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
Horizontal Analyzer	HA-2500
Video Analyzer	VG91, TVA92

MISCELLANEOUS ADJUSTMENTS

NOTE: This receiver employs digital customer controls. Unless otherwise indicated all adjustments were performed with the customer controls at center.

B+ CHECK

Tune in a picture. Connect a digital DC voltmeter to cathode of D921 and ground. With AC line set to 120VAC, voltage should read 134V ± 2.0V.

HIGH VOLTAGE CHECK

Tune in a picture. Connect a High Voltage Probe to the CRT Anode. High voltage should read 26kV to 28kV.

FOCUS

Tune in a crosshatch pattern. Adjust the H and V focus controls to obtain the sharpest picture. Adjust the top H focus control for minimum width on the horizontal lines on corners. Adjust the bottom V focus control for minimum width on the vertical lines on corners.

SERVICE MENU

To enter the service menu, press the sleep timer key, and while the message "Sleep Timer 0 Min" is displayed on the screen, press the display and video status buttons together. The service menu is displayed as shown below. While in the service menu, use the menu up and down buttons to select and use the menu left and right buttons to adjust. To exit the service menu, press the exit button.

Service Menu Chart

PICTURE	SOUND
THEATER	OTHERS
PIP	3-D Y/C
LOW LIGHT	HIGH LIGHT
RF AFC1	RF AFC2
VCO (CW)	I ² C BUS CTRL

SYSTEM CONSTANT

Enter the service menu and press the display and video status buttons together to display the system constant screen. If the system constant screen information differs from the system constant chart displayed below, use the menu up and down buttons to select the setting and the menu left and right buttons to adjust the setting. Press the exit button twice to exit.

System Constant Chart

MODEL	AV-27F802/SME
TM CORR	NO
CCD	YES
V-CHIP	YES
CAN V-CHIP	NO

MN1876478xxx

COLOR PURITY / CONVERGENCE

CRT and yoke are bonded. Color purity and convergence adjustments are not recommended.

PICTURE MODE

Select Picture Mode from the service menu.

Picture Mode Menu Chart

No.	Adjustment	Initial Value
1	BRIGHT	063
2	PICTURE	070
3	COLOR	072
4	TINT	056
5	TV DETAIL	045
6	EXT BRIGHT	±000

Picture Mode Menu Chart continued

No.	Adjustment	Initial Value
7	EXT PICT	±002
8	EXT COLOR	±004
9	EXT TINT	±000
10	EXT DETAIL	045
11	CMP BRIGHT	+001
12	CMP PICT	+014
13	CMP COLOR	082
14	CMP TINT	078
15	CMP DETAIL	050
16	CMP R CUT	-011
17	CMP G CUT	±000
18	CMP B CUT	-001
19	CMP R DRV	±000
20	CMP B DRV	±000
21	WPL	001
22	B. B. SW	000
23	C TRAP	000
24	CORING	001
25	CMP CORING	001
26	TV SHARPF	001
27	EXT SHARPF	001
28	CMP SHARPF	001
29	RGB CONT	031
30	TV ID SENS	000
31	EXT ID SEN	000
32	F ID	000
33	Y MUTE	000
34	AUDIO ATT	127
35	SUB CONT	008
36	R Y GAIN	001
37	CMP R Y GA	001
38	G Y PHASE	001
39	CMP G Y PH	000
40	CD MATRIX	003
41	CMP CD MAT	002
42	BLACK ST	001
43	DC REST	001
44	COLOR GMM	000
45	UV/CBCR	000
46	AT FLESH	000
47	ABL GAIN	000
48	ABL ST PNT	003
49	RGB ABCL	001
50	TV BPF TOF	000
51	EXT BPF TOF	000
52	GMM PNT	003
53	SVM GAIN	002
54	CMP SVM GA	002
55	SVM PHASE	000
56	AUDIO SW	000
57	BUZZ	000
58	IF FREQ	000
59	RF AGC	045
60	AFT MUTE	000
61	AFT SENS	001
62	R/G DRV SW	001
63	BLK SW	000
64	V S COR	012
65	V LIN	008
66	V SIZE	065
67	V AGC	000
68	V CENTER	043
69	TV AFC	002
70	EXT AFC	002
71	V POSI	000
72	H POSI	011

Picture Mode Menu Chart continued

No.	Adjustment	Initial Value
73	H SIZE	023
74	TV V FREQ	000
75	EXT V FREQ	000
76	SIDE PIN	027
77	STAND BY	000
78	TRAPEZ	035
79	V RAMP REF	001
80	V 48HZ	000
81	V EHT	000
82	TOP PIN	010
83	H EHT	000
84	BTM PIN	012
85	V BLK LOW	000
86	V BLK UP	000
87	CAPTION IN	000
88	H BLK	000
89	SCREEN	000
90	ACB SW	000
91	ACB PULSE	007
92	OVER MODU	001
93	CB/CR FIL	001
94	TEST	128
95	RF S/N TY	001
96	EXT S/N TY	001
97	RF SN YC E	005
98	RF SN YC F	016
99	RF SN YC G	032
100	RF SN YC H	025
101	EX SN YC E	005
102	EX SN YC F	016
103	EX SN YC G	032
104	EX SN YC H	025
105	RF SN VC 1	000
106	RF SN VC 2	007
107	RF SN VC 3	014
108	RF SN VC 4	021
109	EX SN VC 1	000
110	EX SN VC 2	007
111	EX SN VC 3	014
112	EX SN VC 4	021
113	COR LEVEL	003
114	VNR CHK	003
115	YC SN TIME	005
116	VC SN TIME	005
117	VM DATA A	+008
118	VM DATA B	-004
119	VM DATA C	-016
120	VM DATA D	001
121	VC SN STOP	010

RF AGC

Tune in a picture. Decrease the value of RF AGC (59) until snow appears in the picture. Increase the value of RF AGC (59) until snow disappears from the picture. Check all channels for proper picture and readjust if necessary.

Vertical Size / Vertical Center / Vertical Position

Tune in a crosshatch pattern. Adjust V Size (66) for a slightly underscanned picture. Adjust V Center (68) and S421 to center the picture. Adjust V Size (66) for a 92% of vertical screen size.

Horizontal Position / Horizontal Width

Tune in a crosshatch pattern. Adjust the H Position (72) to center the picture. Adjust H Size (73) for 90% of horizontal screen size.

Sub Bright / Sub Contrast / Sub Color / Sub Tint

Tune in a picture. Adjust Bright (1) for best brightness. Adjust Picture (2) for best contrast. Adjust Color (3) for best color. Adjust Tint (4) for best flesh tone.

SOUND MODE

Select Sound Mode from the service menu. Receive a RF signal.

Sound Mode Menu Chart

No.	Adjustment	Initial Value
1	NOISE DET	001
2	IN LEVEL	025
3	FH MONITOR	000
4	STEREO VCO	030
5	PILOT CAN	000
6	FILTER	030
7	LOW SEP	028
8	HI SEP	025
9	5FH MON	000
10	SAP VCO	003
11	IN GAIN	000
12	FIL OFFSET	±000
13	BBE BASS	+001
14	BBE TRE	-001

MTS Input Level / MTS Filter

Select In Level (2) and set to initial value. Select Filter (6) and set to initial value.

MTS Stereo VCO

Set FH Monitor (3) to 1. Connect a frequency counter to pin 2 of connector MPX. Adjust Stereo VCO (4) for 15.73kHz ± .1kHz. Set FH Monitor (3) to 0.

MTS SAP VCO

Connect a 1M ohms resistor between pins 3 and 4 of connector MPX. Set 5FH MON (9) to 1. Connect a frequency counter to pin 2 of connector MPX. Adjust SAP VCO (10) for 78.67kHz ± .5kHz. Set 5FH MON (9) to 0.

MTS Separation

Connect an MTS TV stereo generator to the antenna input. Select pilot

MISCELLANEOUS ADJUSTMENTS continued

THEATER MODE

Select Theater Mode from the service menu.

Theater Mode Menu Chart

No.	Adjustment	Initial Value
1	TINT	-06
2	COLOR	-03
3	PICTURE	-15
4	BRIGHT	±00
5	DETAIL	+03
6	R CUT	±00
7	G CUT	±00
8	B CUT	±00
9	R DRIVE	+07
10	B DRIVE	-25
11	DC REST	01
12	BLK ST	00
13	GMM PNT	01
14	CD MATRIX	01
15	RY GAIN	01
16	GY PHASE	00
17	CORING	01
18	CMP CD M	01
19	CMP RY G	01
20	CMP GY P	00
21	CMP COR	01

PIP MODE

Select PIP Mode from the service menu.

PIP Mode Menu Chart

No.	Adjustment	Initial Value
1	PIP BR	005
2	PIP PICT	045
3	PIP TINT	036
4	PIP COL	006
5	P R CUT	003
6	P G CUT	000
7	P B CUT	002
8	P R DR	052
9	P G DR	055
10	P B DR	060
11	LEFT POS	012
12	RIGHT POS	026
13	UPPER POS	012
14	LOWER POS	011
15	PICT LOCK	001
16	SELDEL	000
17	AGC FIX	001
18	AGCADST	000
19	AGC	007
20	VSPDEL	000
21	VSPISQ	001
22	YCOP	001
23	XFREQF	001
24	WTCHDG	001
25	COLON	000
26	ACQNEW	000
27	DSTDDET	001
28	CRIBEOK	000
29	FCBEOKE	000
30	NOCRID	000
31	NONSED	000

3-D Y/C MODE

Select 3-D Y/C Mode from the service menu. Receive a RF signal.

3-D Y/C Mode Menu Chart

No.	Adjustment	Initial Value
1	YC 001	001
2	YC 002	001
3	YC 003	001
4	YC 004	000
5	YC 005	000
6	YC 006	000
7	YC 007	003
8	YC 008	000
9	YC 009	001
10	YC 010	000
11	YC 011	004
12	YC 012	002
13	YC 013	002
14	YC 014	010
15	YC 015	002
16	YC 016	004
17	YC 017	000
18	YC 018	000
19	YC 001	002
20	YC 020	000
21	YC 021	000
22	YC 022	002
23	YC 023	000
24	YC 024	000
25	YC 025	000
26	YC 026	000
27	YC 027	001
28	YC 028 N/A	001
29	YC 029	001
30	YC 030	001
31	YC 031	002
32	YC 032	000
33	YC 033	000
34	YC 034	000
35	YC 035	002
36	YC 036	015
37	YC 037	000
38	YC 038	009
39	YC 039	001
40	YC 040	001
41	YC 041	000
42	YC 042	000
43	YC 043	000
44	YC 044	001
45	YC 045	003
46	YC 046	012
47	YC 047	008
48	YC 048	004
49	YC 049	010
50	YC 050	001
51	YC 051	001
52	YC 052	000
53	YC 053	000
54	YC 054	001
55	YC 055	001
56	YC 056	001
57	YC 057	000
58	YC 058	000
59	YC 059	001
60	YC 060	000
61	YC 061	000

3-D Y/C Mode Menu Chart continued

No.	Adjustment	Initial Value
62	YC 062 DBL	002
63	YC 063 N/A	002
64	YC 064 N/A	004
65	YC 065 N/A	002
66	YC 066 N/A	004
67	YC 067	000
68	YC 068	000
69	YC 069	000
70	YC 070 FIX	000
71	YC 071	000
72	YC 072	000
73	YC 073	001
74	YC 074 FIX	000
75	YC 075 FIX	000
76	YC 076	001
77	YC 077 FIX	000
78	YC 078 FIX	000
79	YC 079 FIX	005
80	YC 080 FIX	000
81	YC 081 FIX	008
82	YC 082 FIX	004
83	YC 083 FIX	004
84	YC 084 DBL	112
85	YC 085 DBL	008
86	YC 086	001
87	YC 087	003
88	YC 088	001
89	YC 089	000
90	YC 090	000
91	YC 091	000
92	YC 092 N/A	000
93	YC 093 N/A	000
94	YC 094 DBL	001
95	YC 095 DBL	001
96	YC 096 DBL	001
97	YC 097 DBL	000
98	YC 098 DBL	000
99	YC 099 DBL	000
100	YC 100 DBL	000
101	YC 101 DBL	000
102	YC 102 DBL	000
103	YC 103 DBL	001
104	YC 104 DBL	000
105	YC 105 DBL	000
106	YC 106 DBL	000
107	YC 107 DBL	002
108	3-D YC	001

LOW LIGHT MODE

Select Low Light Mode from the service menu.

Low Light Mode Menu Chart

Adjustment	Initial Value
BRIGHT	063
RED CUTOFF	085
GREEN CUTOFF	085
BLUE CUTOFF	085

NOTE: While in the Low Light Mode Menu adjustments are performed using the following buttons on the remote:

- 1 - Horizontal line.
- 4 - Increase red cutoff.
- 7 - Decrease red cutoff.
- 2 - Restores full picture.
- 5 - Increase green cutoff.
- 8 - Decrease green cutoff.
- 3 - Exit.
- 6 - Increase blue cutoff.
- 9 - Decrease blue cutoff.

White Balance (Low Light Adjustment)

Tune in a black and white signal. Press 1 to display a horizontal line. Adjust the screen control for a dim line of one dominant color. Adjust the other two cutoffs for a dim white line. Press 2 for a full picture.

HIGH LIGHT MODE

Select High Light Mode from the service menu.

High Light Mode Menu Chart

Adjustment	Initial Value
RED DRIVE	060
BLUE DRIVE	060

NOTE: While in the High Light Mode Menu adjustments are performed using the following buttons on the remote:

- 1 - Horizontal line.
- 5 - Increase green drive.
- 8 - Decrease green drive.
- 2 - Restores full picture.
- 6 - Increase blue drive.
- 9 - Decrease blue drive.
- 3 - Exit.

White Balance (High Light Adjustment)

Tune in a black and white signal. Adjust green and blue drives for best white balance. Exit Service menu and check white balance at high and low brightness. 

RF AFC1 MODE

Select RF AFC1 from the service menu.

RF AFC1 Mode Menu Chart

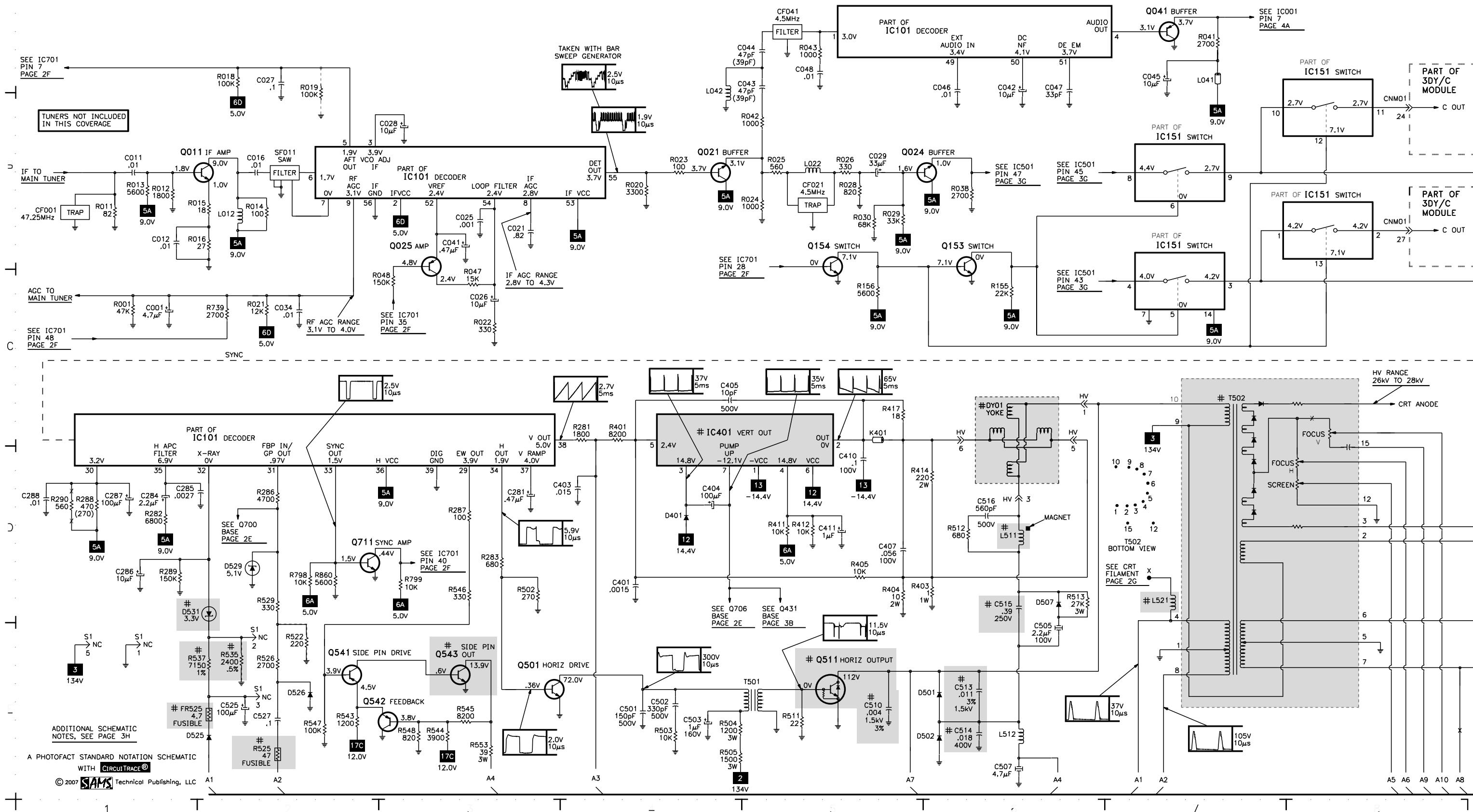
Adjustment	Initial Value

<tbl_r cells="2" ix="1" maxcspan="1" maxrspan

A

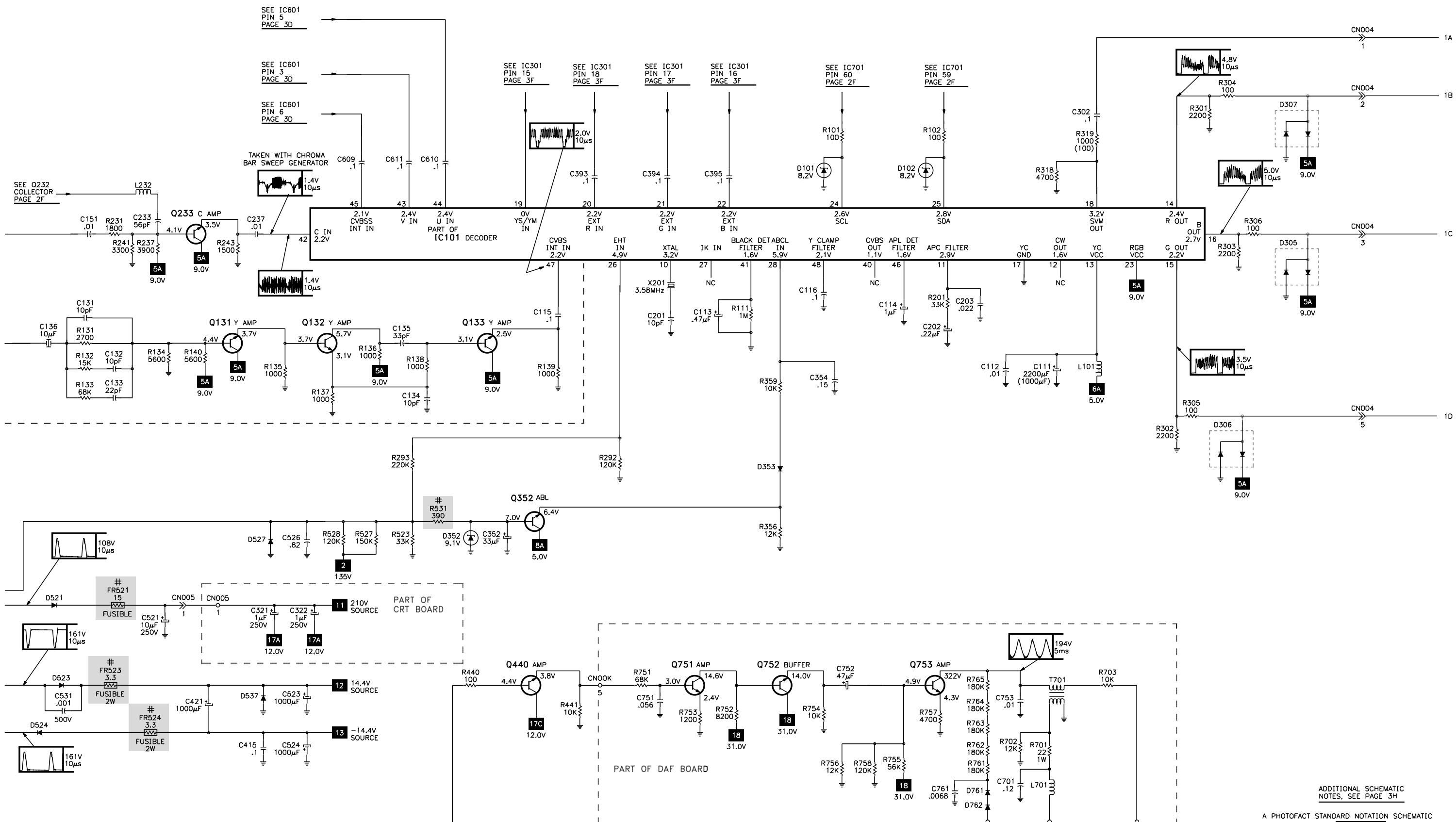
TELEVISION SCHEMATIC

B



C

TELEVISION SCHEMATIC *continued*

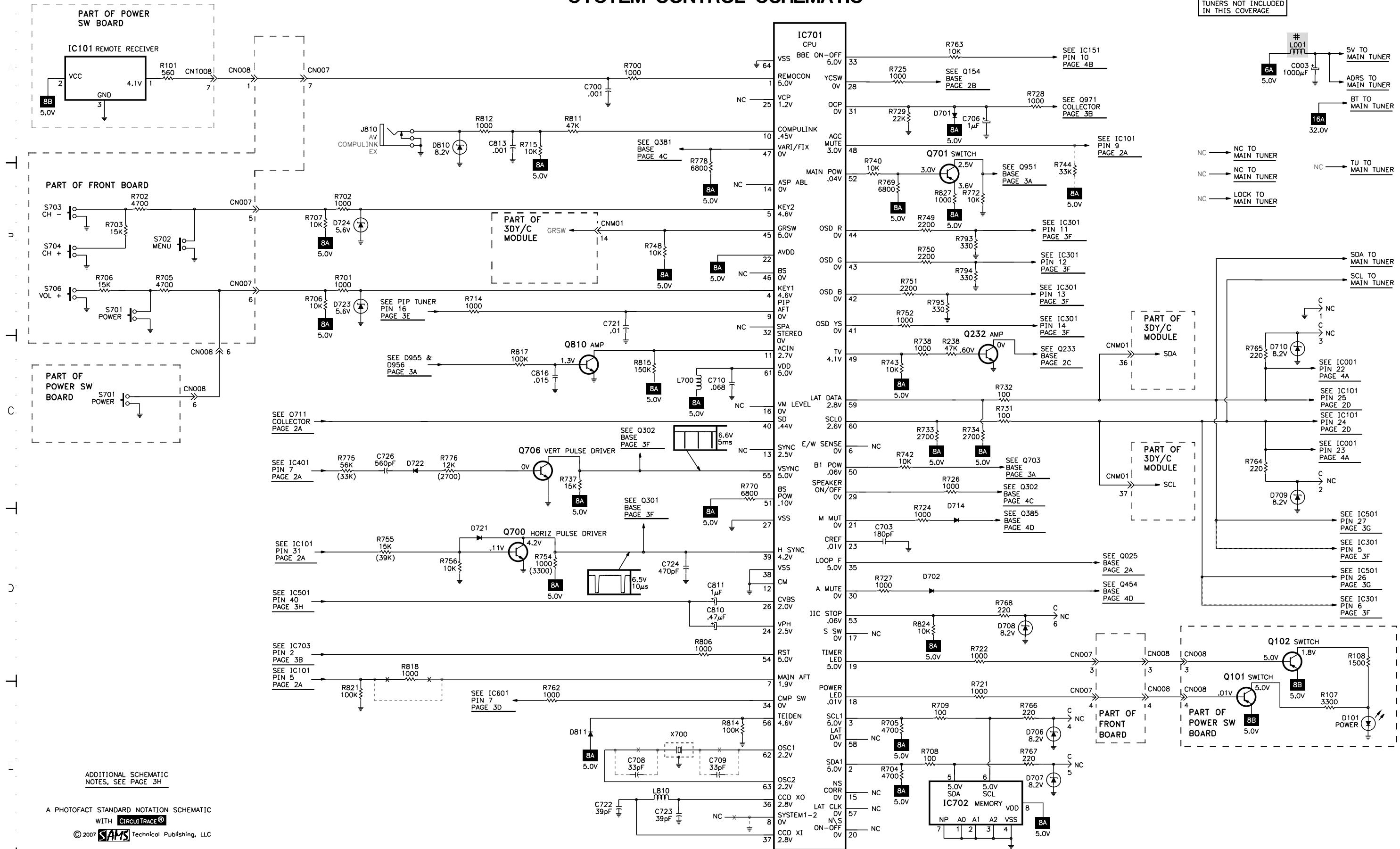


ADDITIONAL SCHEMATIC
NOTES, SEE PAGE 3H

**PHOTOFAC STANDARD NOTATION SCHEMATIC
WITH CIRCUITTRACE®**

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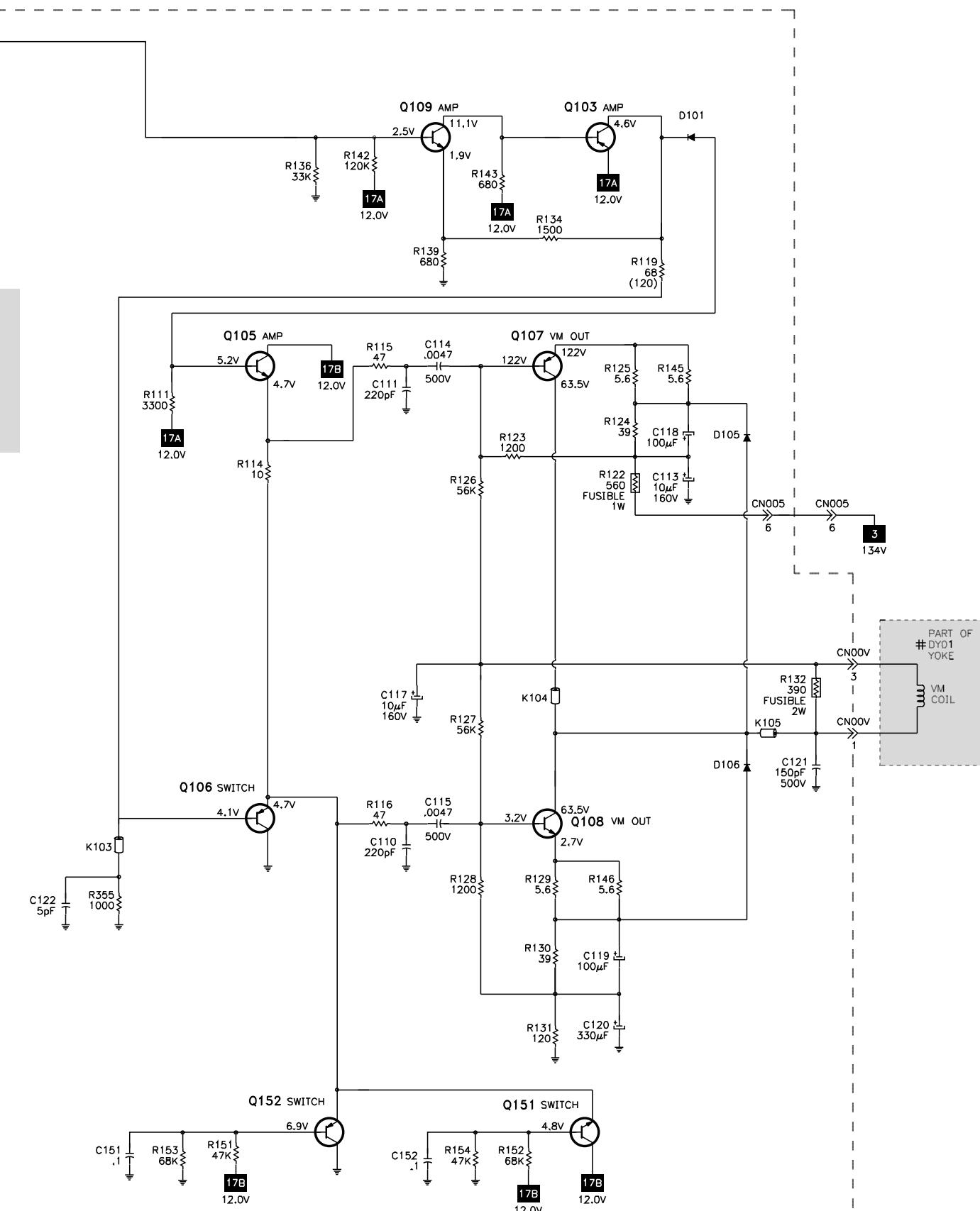
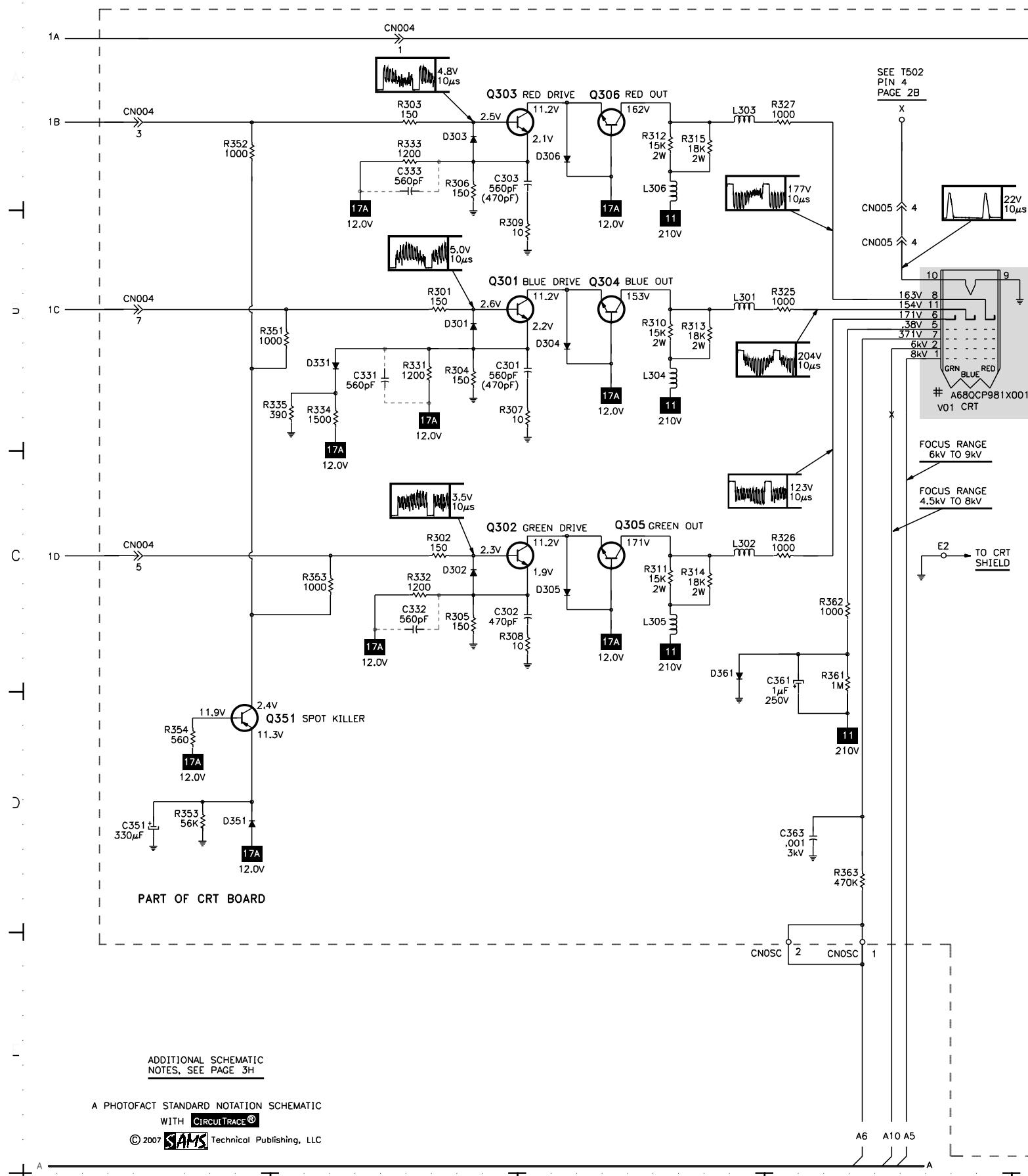
SYSTEM CONTROL SCHEMATIC



CRT/VM SCHEMATIC

G

1

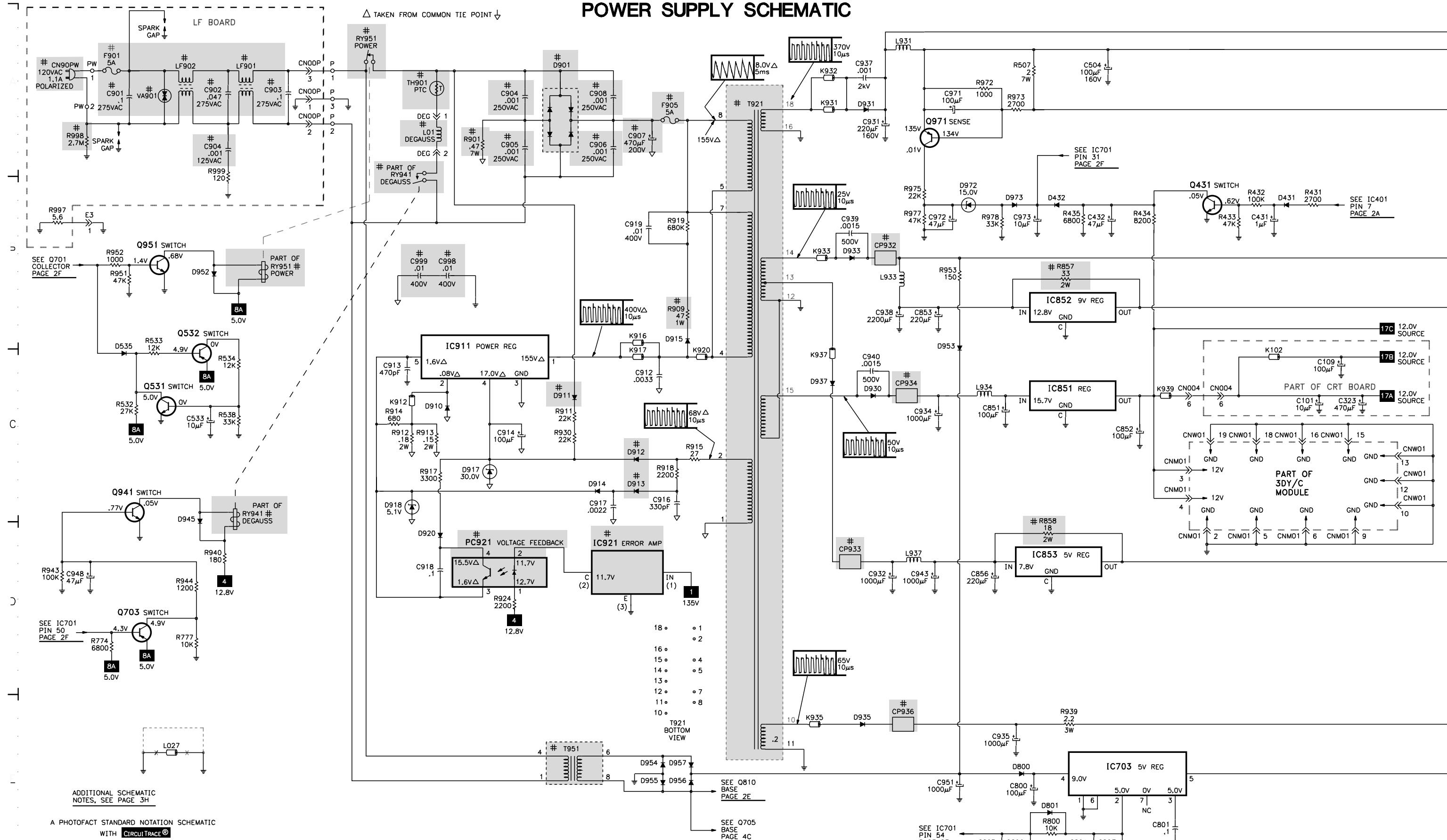


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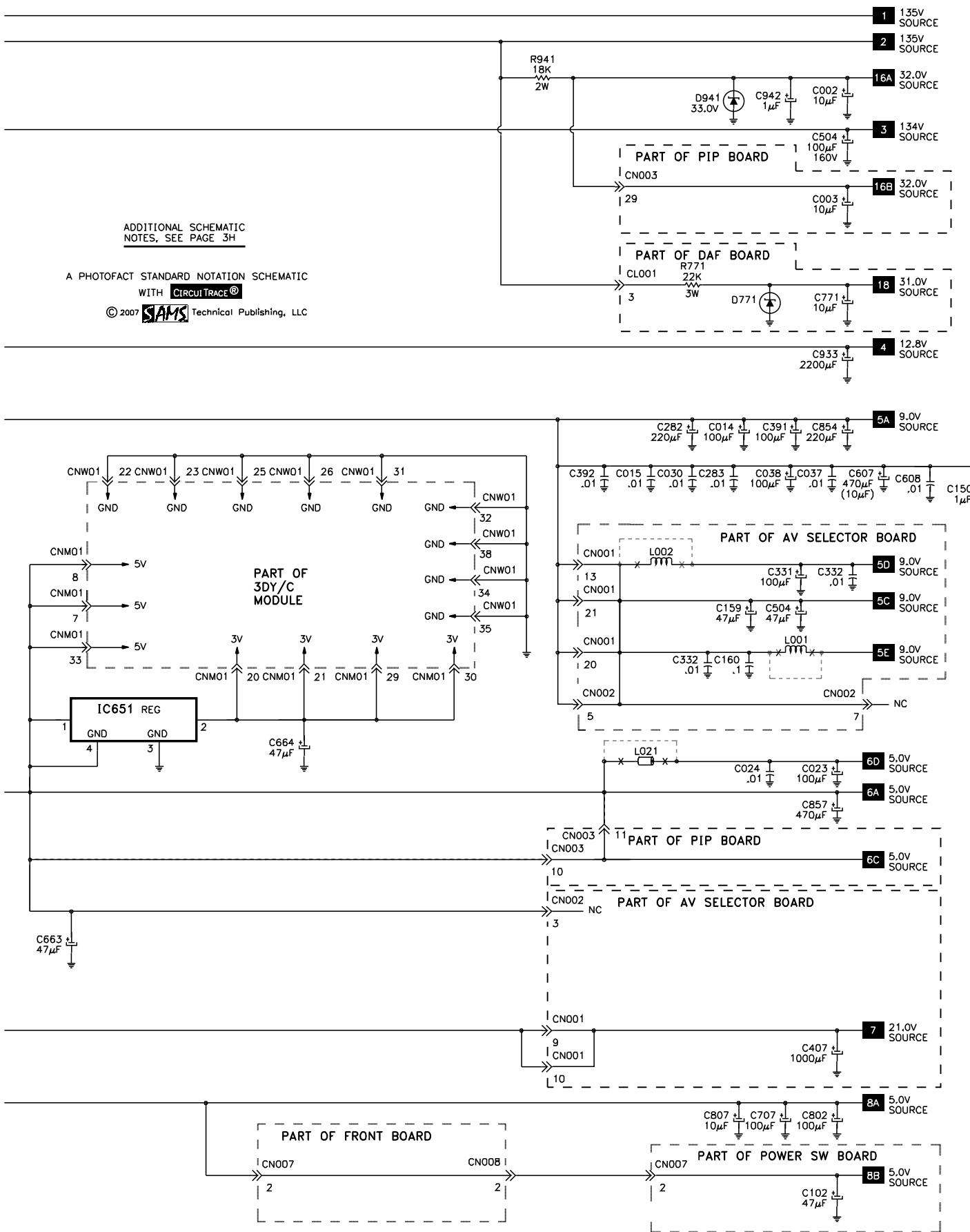
A

POWER SUPPLY SCHEMATICS

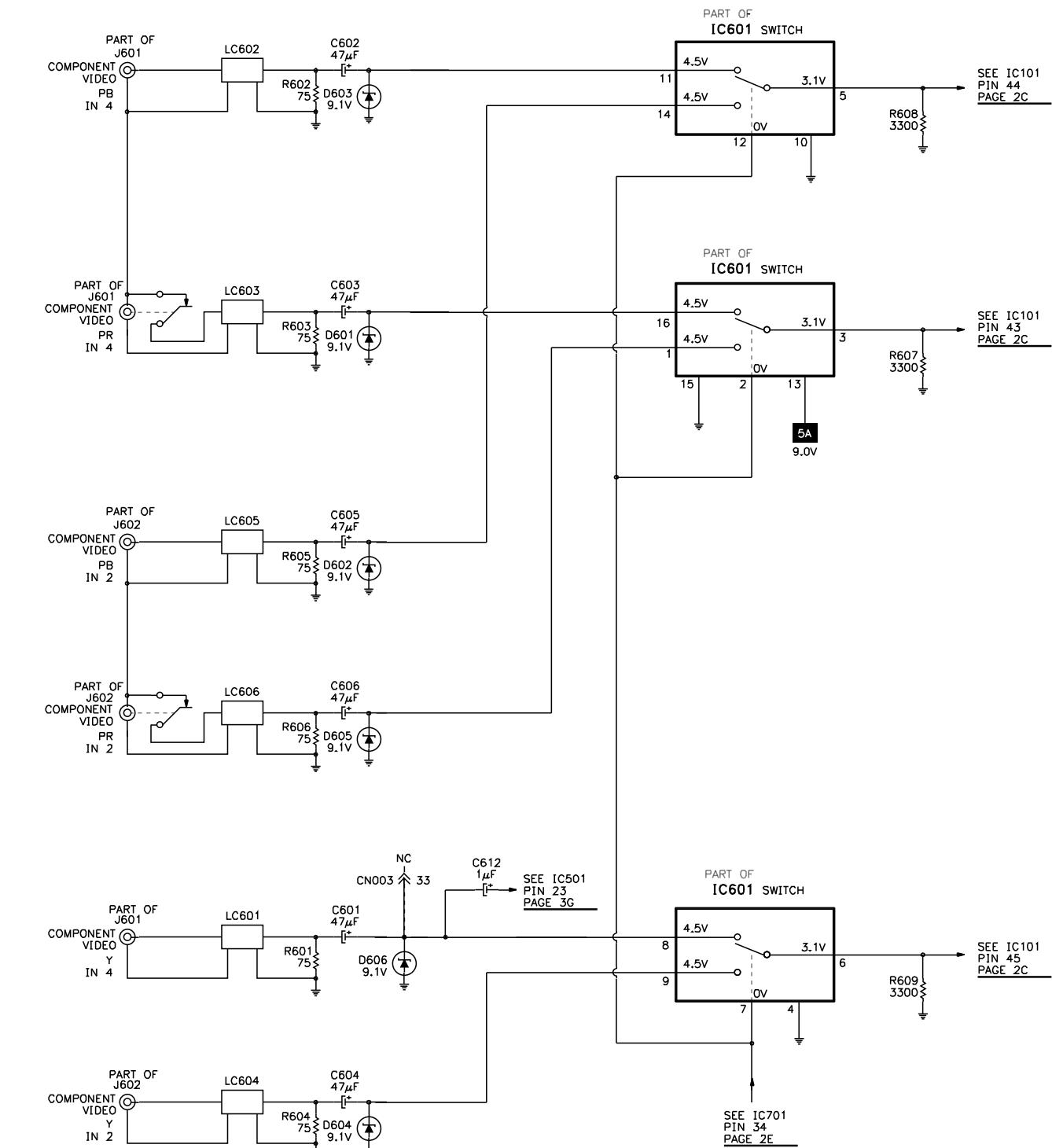


E

C POWER SUPPLY SCHEMATIC continued



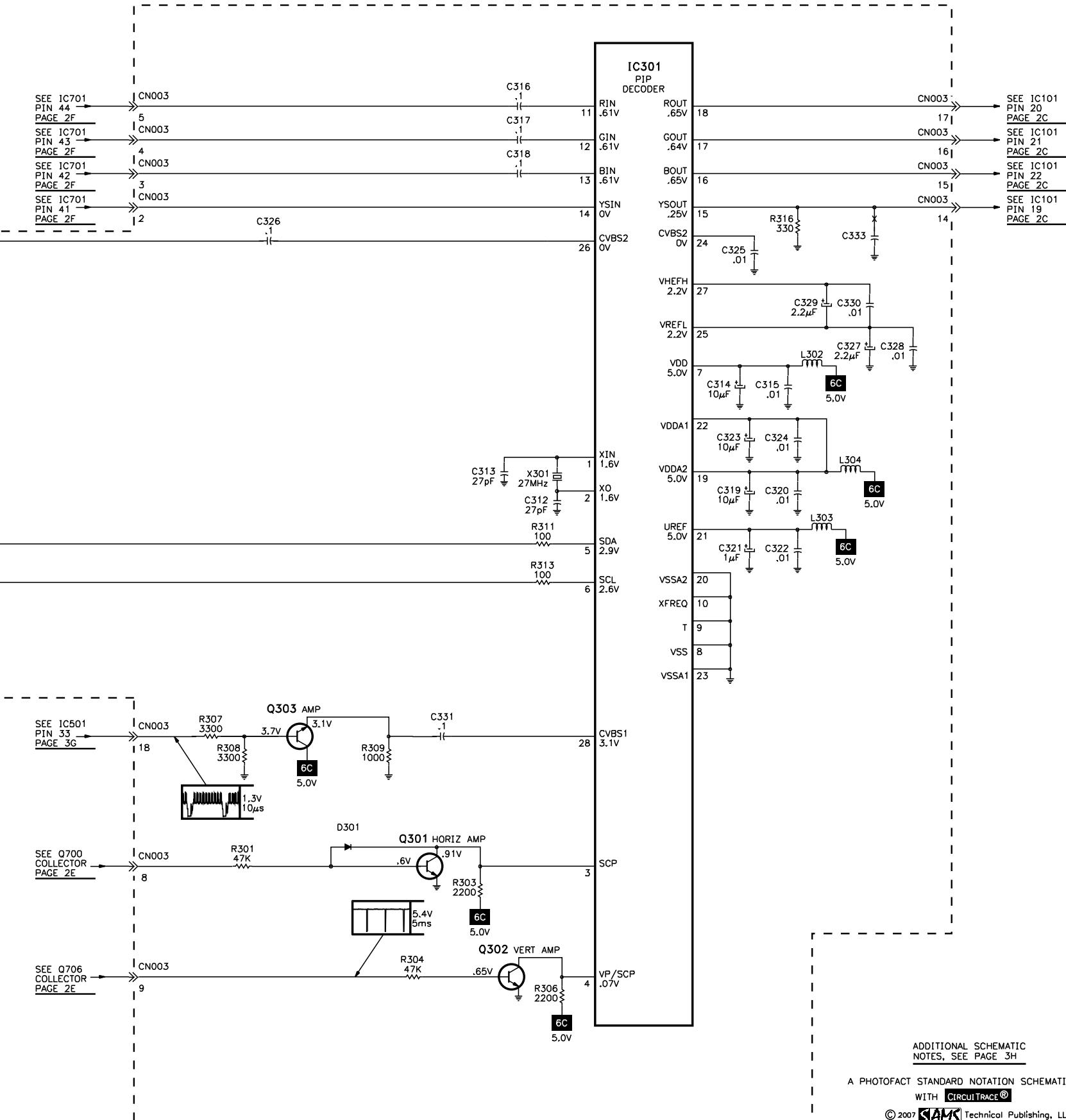
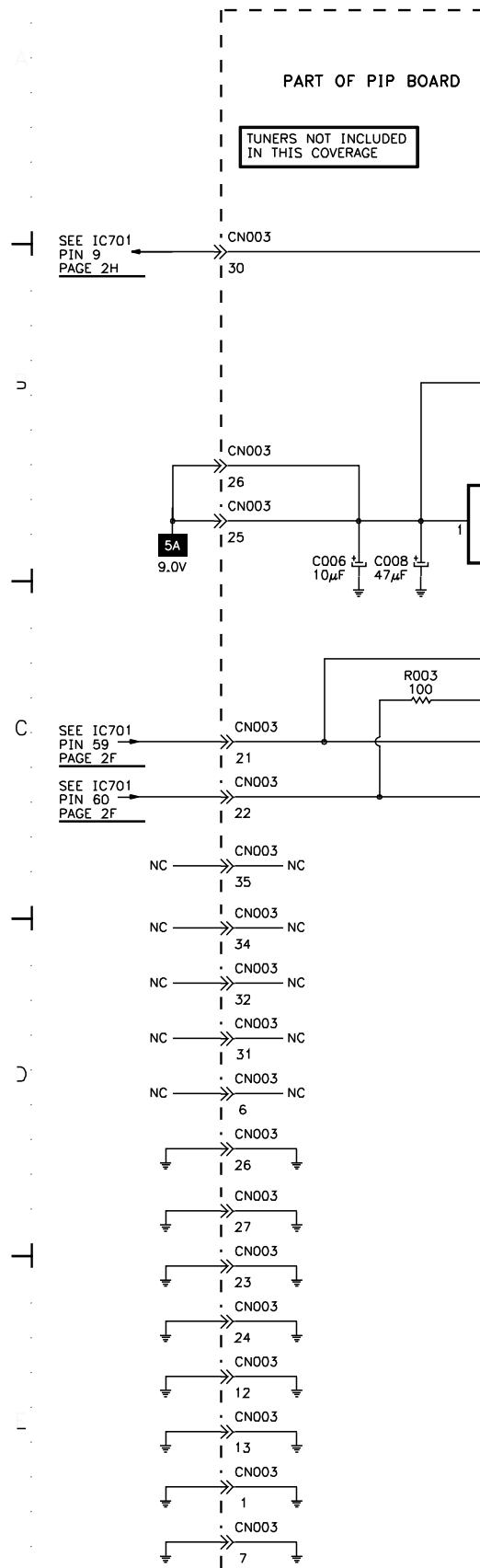
D VIDEO SWITCHING SCHEMATIC



E

PIP SCHEMATIC

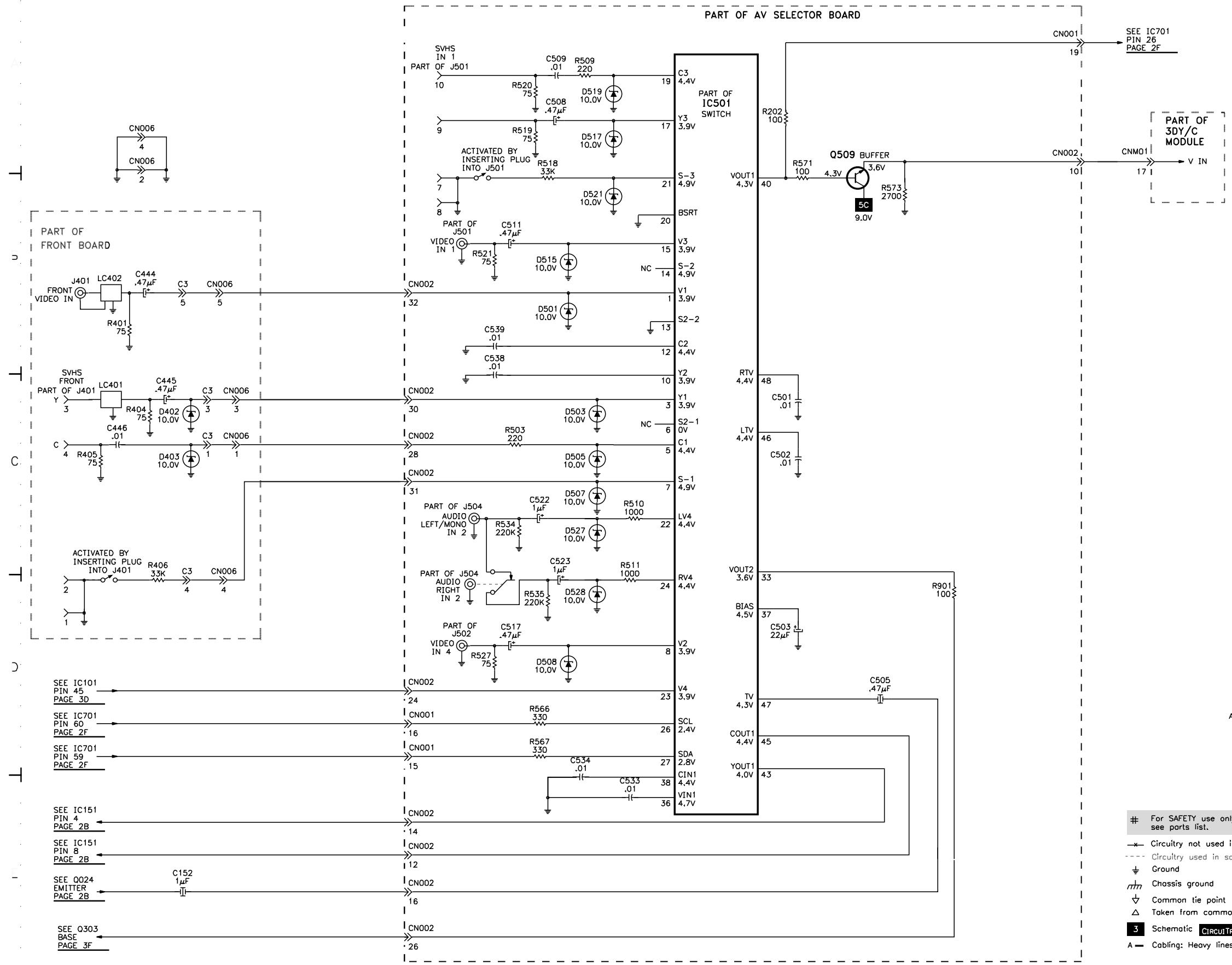
F



AUDIO/VIDEO SELECTOR SCHEMATIC

H

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MODEL AV-27F802/SMEI



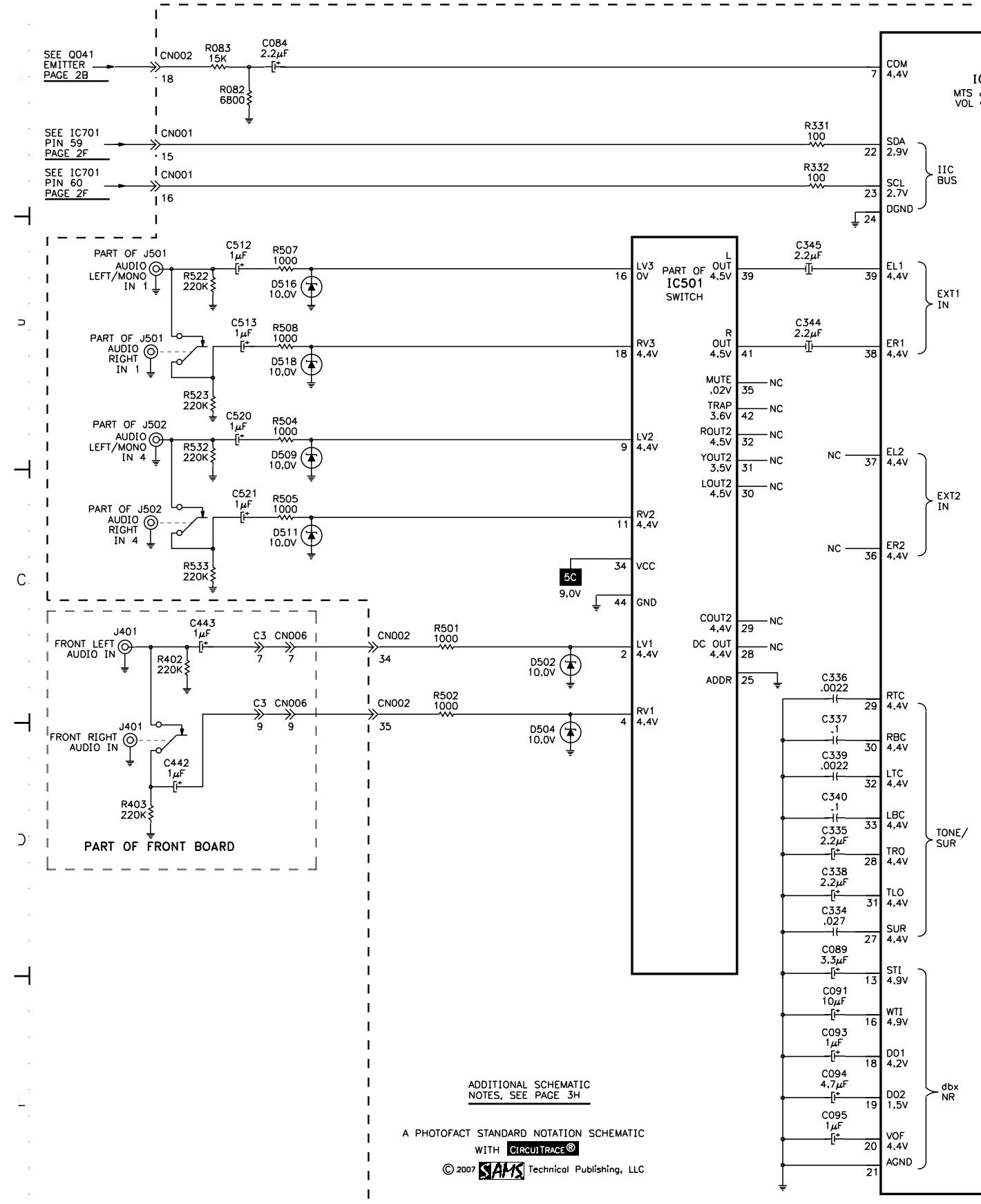
SCHEMATIC NOTES

For SAFETY use only equivalent replacement part,
see parts list.

- | | | |
|----------|--|--|
| — | 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,
Voltages measured with digital meter and a 1000μV RF
signal, with colorbar pattern applied to antenna terminal. |
| — | Chassis ground | Controls adjusted for normal operation. |
| ▽ | Common tie point | Capacitors are 50 volts or less, 5% or greater unless noted.
Electrolytic capacitors are 50 volts or less,
20% or greater unless noted. |
| △ | Taken from common tie point | Resistors are 1/2W or less, 5%, or greater unless noted.
Value in () used in some versions. |
| 3 | Schematic CIRCUITRACE® Voltage source tie point. | Measurements with switching as shown unless noted.
Rated voltage shown on zener diodes. |
| A — | Cabling: Heavy lines reduce use of multiple lines. | |

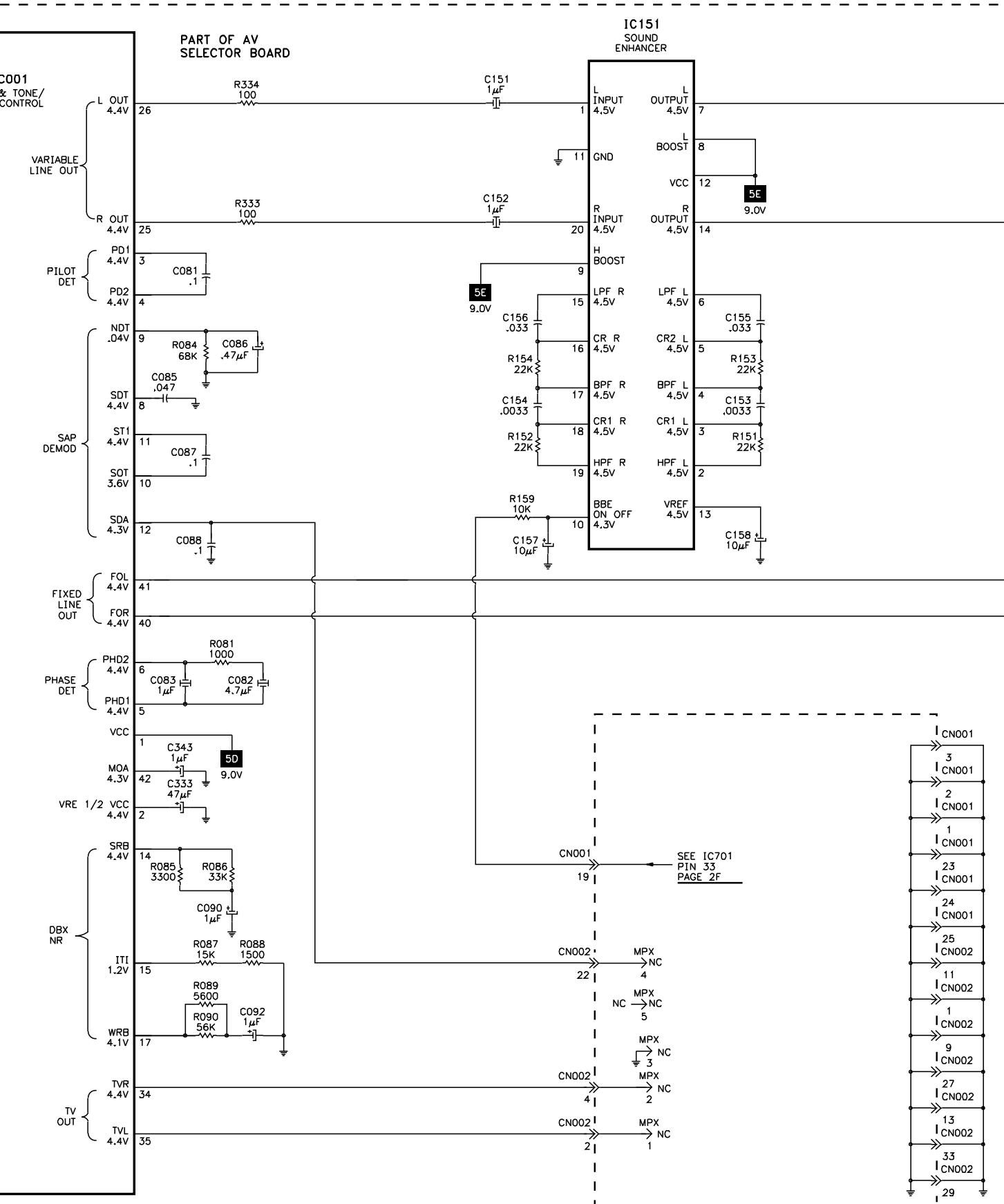
A

AUDIO SCHEMATIC



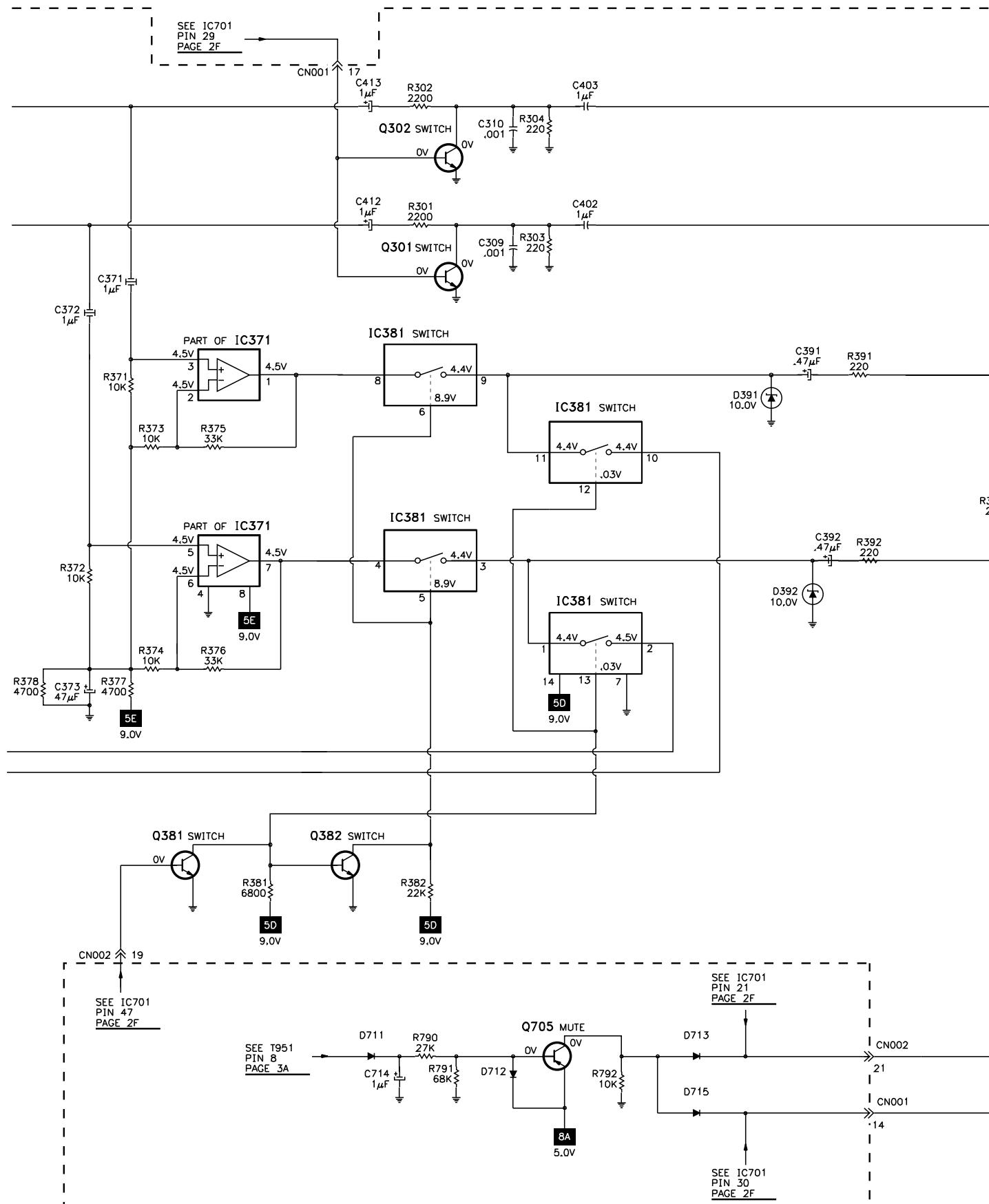
+ 65 T 66 T 67 T 68 T 69 T 70 T 71 T 72 T 73 T

B

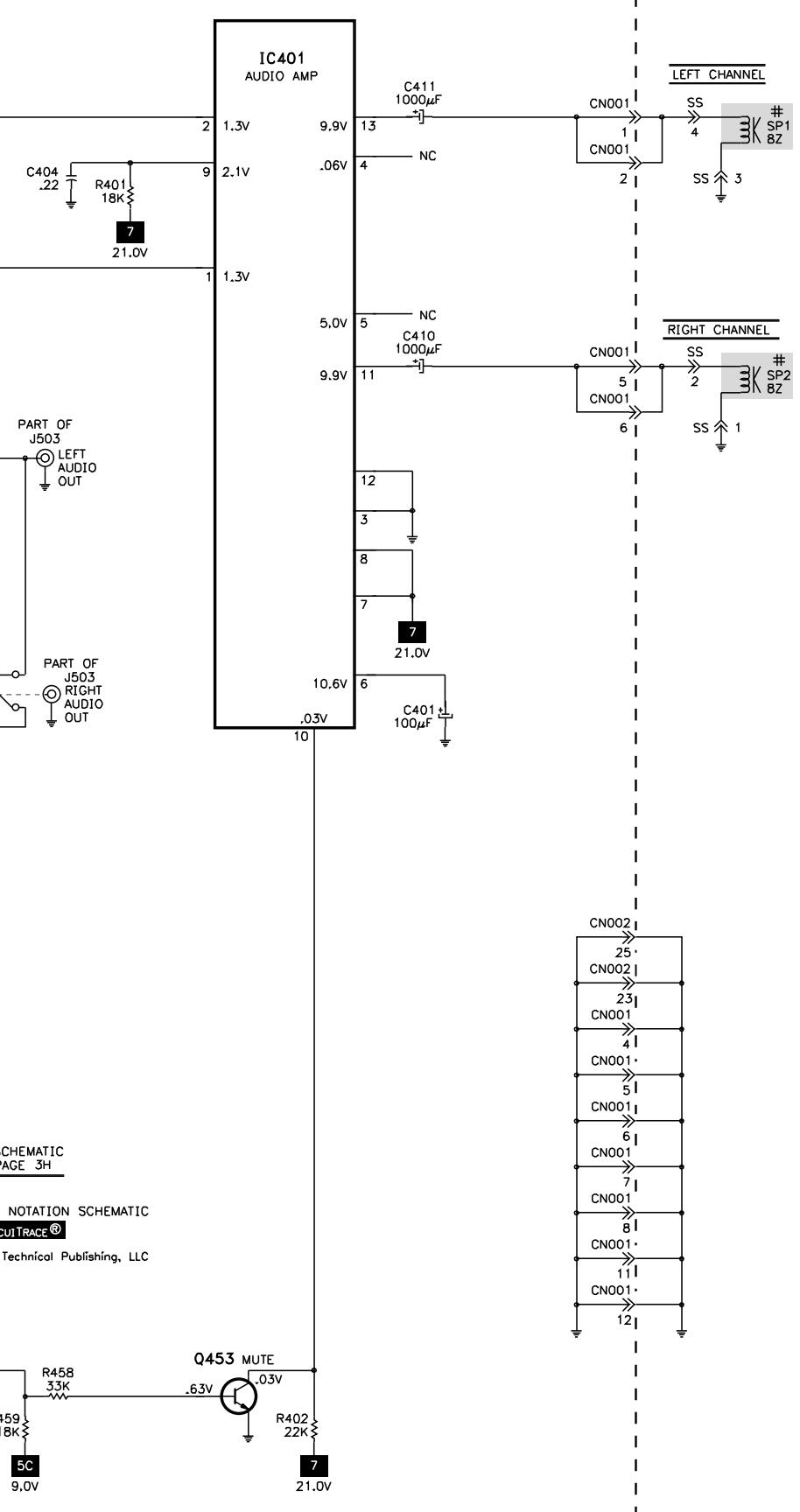


C

AUDIO SCHEMATIC continued



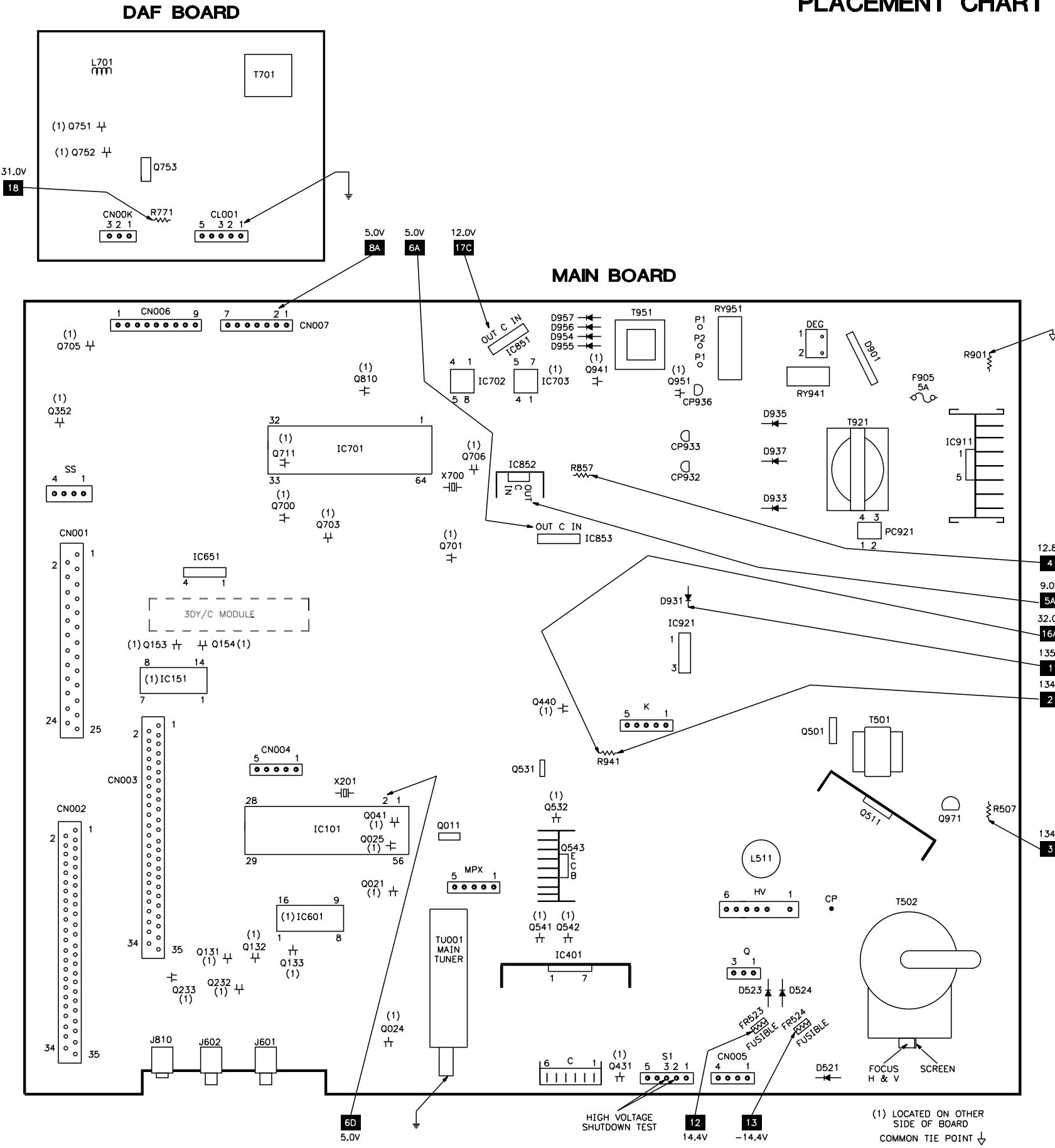
D

A PHOTOFAC STANDARD NOTATION SCHEMATIC
WITH CIRCUITTRACE®

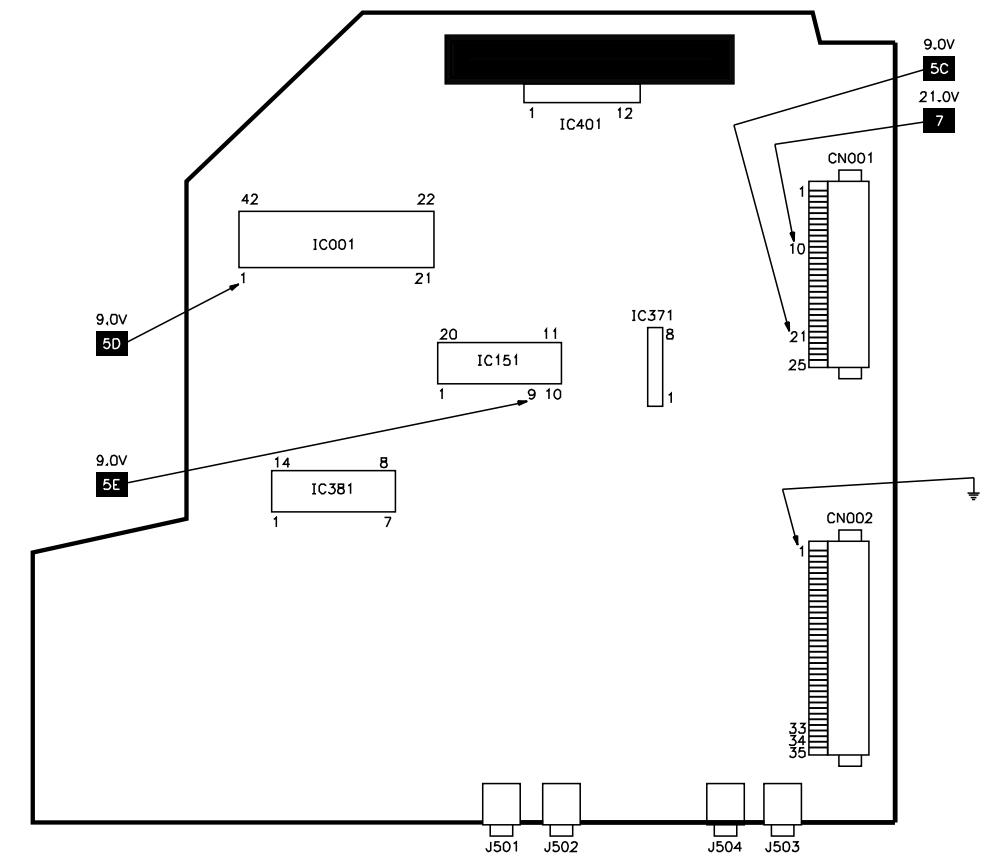
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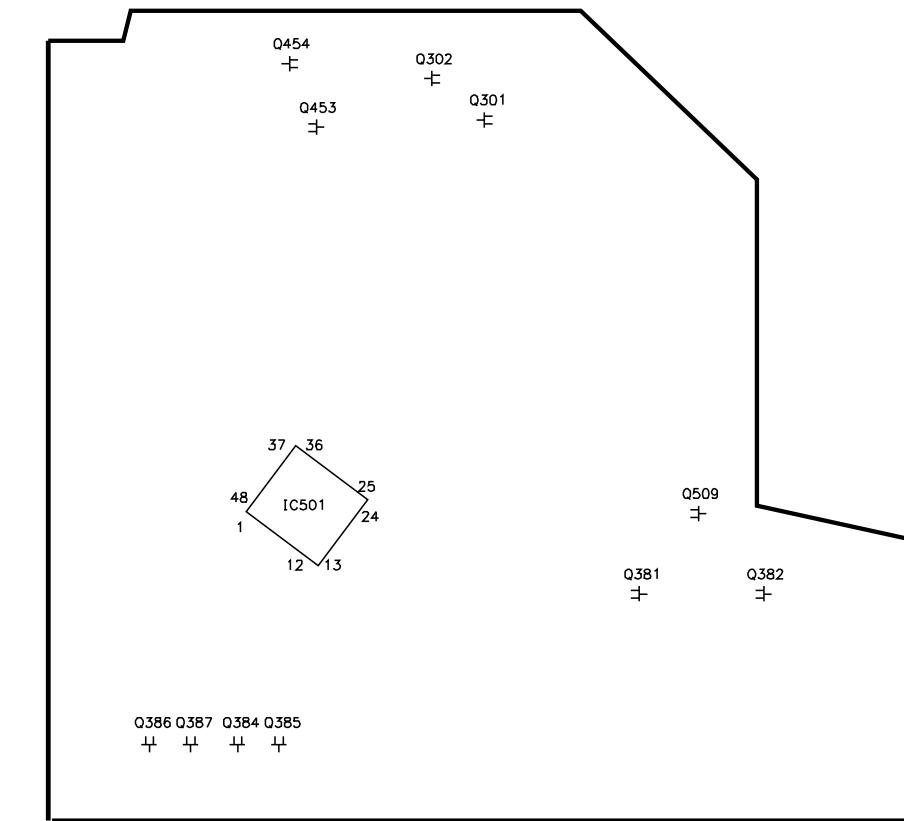
PLACEMENT CHART



AV SELECTOR BOARD (TOP VIEW)

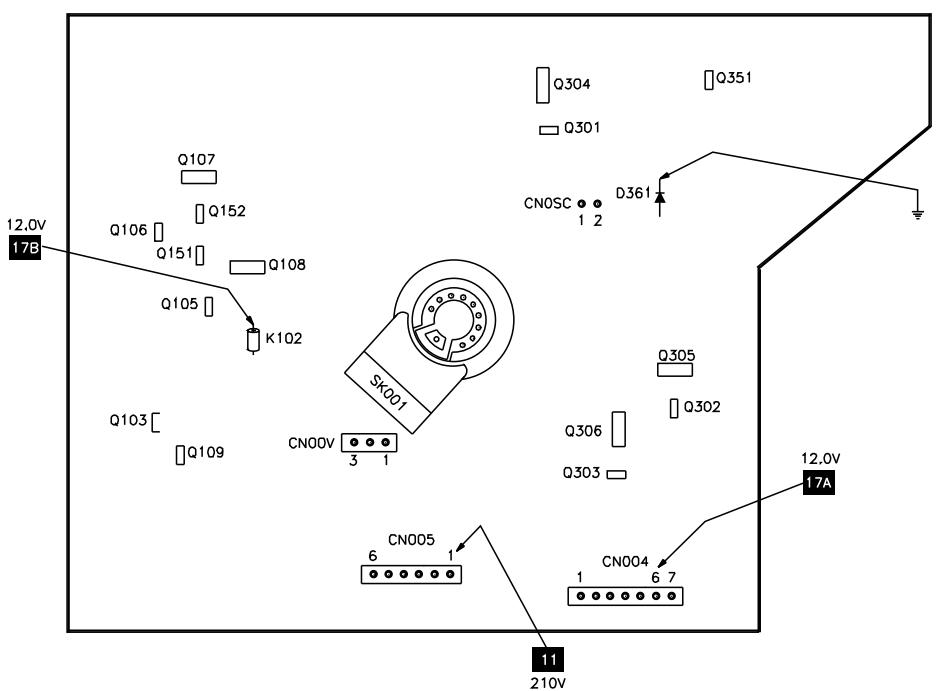


AV SELECTOR BOARD (BOTTOM VIEW)

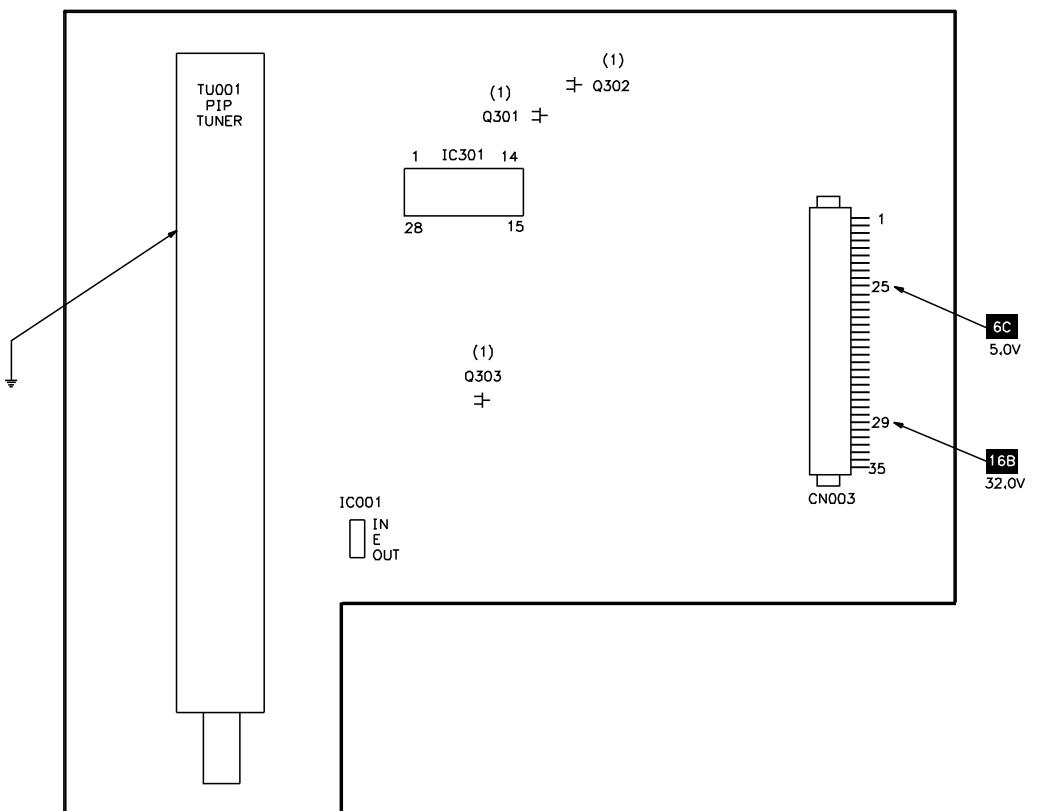


PLACEMENT CHART continued

CRT BOARD



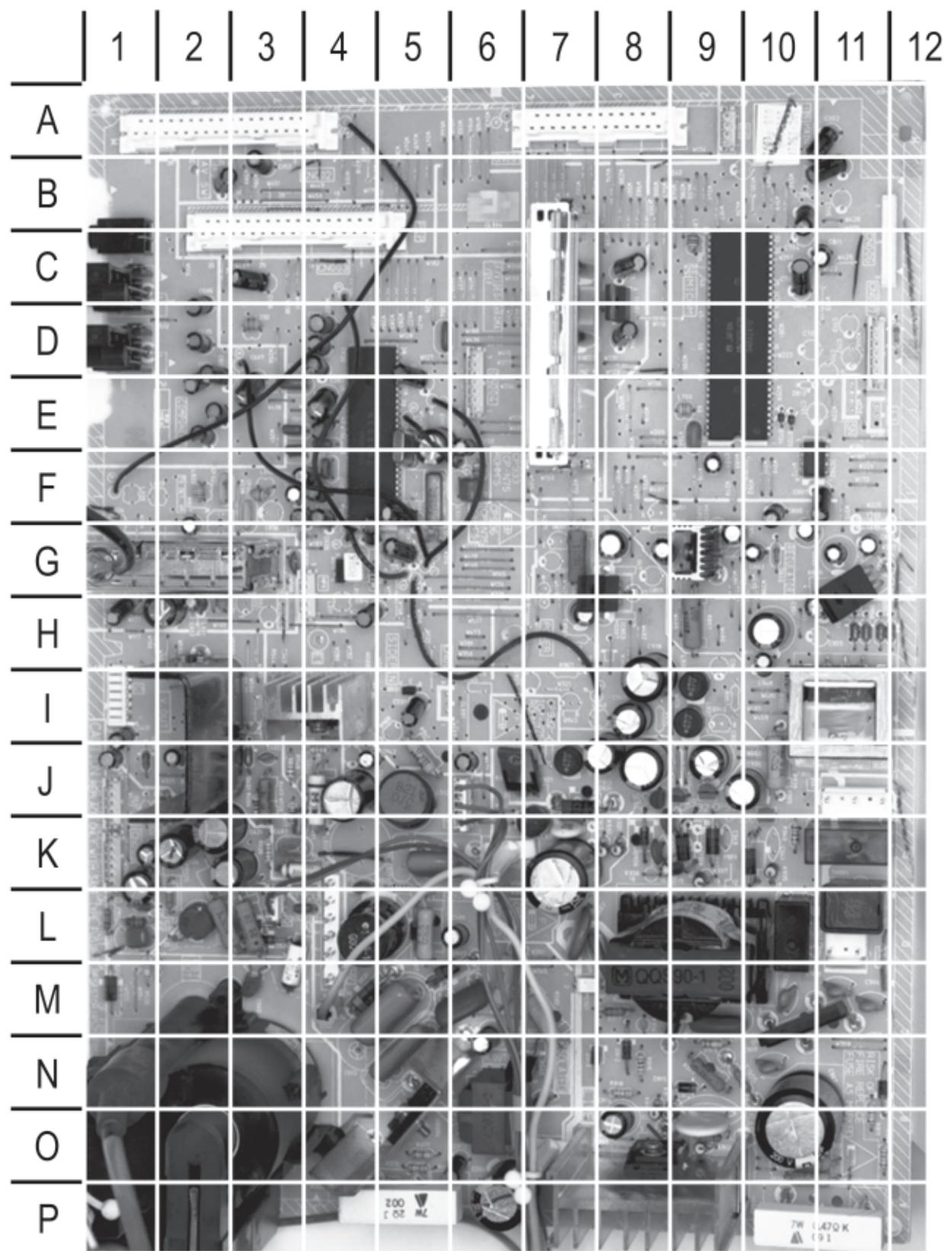
PIP BOARD



SCHEMATIC COMPONENT LOCATION GUIDE

C001	C1	C160	C43	C410	D5	C801	E39	D501	B59	FR523	E9	L306	B27	Q751	E12	R151	E29	R372	C73	R543	E2	R771	B43
C002	A44	C201	C12	C411	A79	C802	E44	D501	E6	FR524	E9	L511	D6	Q752	E13	R152	B70	R373	C73	R544	E3	R772	B22
C003	A24	C202	C14	C411	D5	C803	E39	D502	C67	FR525	E2	L512	E6	Q753	E13	R152	E30	R374	C73	R545	E3	R774	D33
C003	B44	C203	B14	C412	B74	C804	E39	D502	E6	IC001	A68	L521	D7	Q810	C20	R153	B71	R375	C73	R546	D3	R775	C18
C004	B50	C233	B9	C413	A74	C805	E38	D503	C59	IC001	B50	L700	C20	Q941	D33	R153	E29	R376	C73	R547	E2	R776	C19
C006	C49	C237	B10	C415	E10	C806	E38	D504	D67	IC101	A17	L701	E14	Q951	B33	R154	B70	R377	C73	R548	E3	R777	D33
C008	C50	C281	D3	C421	E10	C807	E43	D505	C59	IC101	A5	L810	E20	Q971	A38	R154	E30	R378	C73	R553	E3	R778	B20
C011	B1	C282	B43	C431	B40	C810	D20	D507	C59	IC101	B11	L931	A37	R001	B51	R155	C6	R381	D73	R566	D59	R790	E74
C012	B1	C283	C43	C432	B39	C811	D20	D507	D6	IC101	B3	L933	B37	R001	C1	R156	C5	R382	D74	R567	D59	R791	E74
C014	B43	C284	D1	C442	D65	C813	B19	D508	D59	IC101	D2	L934	C38	R002	B50	R159	C70	R384	C77	R571	B60	R792	E75
C015	C43	C285	D1	C443	C65	C816	C19	D509	C66	IC151	A71	L937	D37	R003	C50	R201	B14	R385	C76	R573	B61	R793	B22
C016	B2	C286	D1	C444	B57	C851	C38	D511	C66	IC151	B7	LC401	C57	R004	C50	R202	A60	R386	C77	R601	D46	R794	B22
C021	B3	C287	D1	C445	C57	C852	C39	D515	B59	IC151	B7	LC402	B57	R011	B1	R231	B9	R387	C76	R602	A46	R795	B22
C023	D44	C288	D1	C446	C57	C853	B38	D516	B66	IC151	B8	LC601	D45	R012	B1	R237	B9	R391	B76	R603	B46	R798	D2
C024	D43	C301	B27	C501	C60	C854	B44	D517	A59	IC151	B8	LC602	A45	R013	B1	R238	C22	R392	C76	R604	E46	R799	D3
C025	B3	C302	A14	C501	E4	C856	D38	D518	B66	IC301	A54	LC603	B45	R014	B2	R241	B9	R393	B78	R605	C46	R800	E38
C026	C3	C302	C27	C502	C60	C857	D44	D519	A59	IC371	B73	LC604	E45	R015	B2	R243	B10	R394	C78	R606	C46	R806	D20
C027	B2	C303	A27	C502	E4	C901	A33	D521	B59	IC371	C73	LC605	C45	R016	B2	R281	D4	R395	B78	R607	B48	R811	A20
C028	B3	C309	B74	C503	D60	C902	A34	D521	D9	IC381	B74	LC606	C45	R018	B2	R282	D1	R396	C78	R608	A48	R812	A19
C029	B5	C310	A74	C503	E4	C903	A34	D523	E9	IC381	B75	LF901	A34	R019	B2	R283	D3	R401	A78	R609	D48	R814	E21
C030	C43	C312	C54	C504	A39	C904	A34	D524	E9	IC381	C74	LF902	A33	R020	B4	R286	D2	R401	B57	R700	A20	R815	C20
C034	C2	C313	C54	C504	A44	C904	A35	D525	E2	IC381	C75	PART OF B65	D65	R021	C2	R287	D3	R401	D4	R701	B18	R817	C19
C037	C44	C314	B55	C504	C44	C905	A35	D526	E2	IC401	A79	PART OF B65	D65	R022	C3	R288	D1	R402	C65	R701	E14	R818	E19
C038	C43	C315	B55	C505	D61	C906	A36	D527	C59	IC401	C4	PART OF C59	D65	R023	B4	R289	D1	R402	E79	R702	B17	R821	E18
C041	B3	C316	A54	C505	E6	C907	A36	D527	D10	IC501	A60	PART OF C65	D65	R024	B5	R290	D1	R403	D5	R702	B18	R824	D22
C042	B6	C317	A54	C507	E6	C908	A36	D528	D59	IC501	B67	PART OF C65	D65	R025	B5	R292	C12	R403	D65	R702	E14	R827	B22
C043	B5	C318	B54	C508	A59	C912	C36	D529	D2	IC601	A47	PART OF D59	D65	R026	B5	R293	C11	R404	C57	R703	B17	R857	B38
C044	A5	C319	C55	C509	A59	C913	C35	D531	D2	IC601	B47	PC921	D35	R028	B5	R301	A15	R404	D5	R703	E14	R858	D38
C045	B7	C320	C55	C510	E5	C914	C35	D535	C33	IC601	D47	Q011	B1	R029	B5	R301	B26	R405	C57	R704	E21	R860	D2
C046	B6	C321	C55	C511	B59	C916	C36	D537	E10	IC651	C41	Q021	B4	R030	B5	R301	B74	R405	D5	R705	B17	R901	A35
C047	B6	C321	D10	C512	B65	C917	C36	D601	B46	IC701	A21	Q024	B5	R038	B6	R301	D53	R406	D57	R705	E21	R901	D61
C048	A5	C322	C55	C513	B65	C918	D35	D602	C46	IC702	E22	Q025	C3	R041	A7	R302	A74	R411	D5	R706	B17	R909	B36
C081	B69	C322	D10	C513	E6	C919	B36	D603	A46	IC703	E39	Q041	A7	R042	B5	R302	C15	R412	D5	R706	B18	R911	C36
C082	C69	C323	C40	C514	E6	C931	A37	D604	E46	IC851	C38	Q101	E23	R043	A5	R302	C26	R414	D5	R707	B18	R912	C35
C083	C69	C323	C40	C515	D6	C932	D37	D605	C46	IC852	B38	Q102	D24	R047	C3	R303	A26	R417	C5	R708	E22	R913	C35
C084	A65	C324	C55	C516	D6	C933	B44	D606	D46	IC853	D38	Q103	A31	R048	C3	R303	B15	R431	B40	R709	E22	R914	C35
C085	B69	C325	B55	C517	D59	C934	C38	D701	A22	IC911	C35	Q105	B29	R081	C69	R303	B75	R432	B39	R714	B19	R915	C36
C086	B69	C326	B53	C520	C65	C935	E38	D702	D22	IC921	D36	Q106	D29	R082	A65	R303	D54	R433	B39	R715	B19	R917	C35
C087	C69	C327	B55	C521	C65	C937	A37	D706	E22	J401	B57	Q107	B31	R083	A65	R304	A15	R434	B39	R721	E22	R918	C36
C088	C69	C328	B56	C521	D9	C938	B37	D707	E22	J401	C65	Q108	D31	R084	B69	R304	A75	R435	B38	R722	D22	R919	B36
C089	E68	C329	B55	C522	C59	C939	B37	D708	D22	J401	D65	Q109	A30	R085	D69	R304	B26	R440	E11	R724	D22	R924	D35
C090	D69	C330	B55	C523	D59	C940	C37	D709	C37	J501	B59	Q131	C10	R086	D69	R304	E53	R441	E12	R725	A21	R930	C36
C091	E68	C331	B26	C523	E10	C942	A43	D710	C24	J502	D59	Q132	C10	R087	E69	R305	C15	R458	E78	R726	C22	R939	E38
C092	E69	C331	C44	C524	E10	C943	D38	D711	E74	J503	B78	Q133	C11	R088	E69	R305	C26	R459	E78	R727	D21	R940	D34
C093	E68	C331	D54	C525	E2	C948	D33	D712	E74	J503	C78	Q151	E31	R089	E69	R306	B15	R501	C66	R728	A22	R941	A43
C094	E68	C332	C26	C526	D10	C951	E38	D713	E75	J601	A45	Q152	E30	R090	E69	R306	B26	R502	D3	R729	A21	R943	D33
C095	E68	C332	C43	C527	E2	C971	A38	D714	D22	J601	B45	Q153	C6	R101	A17	R306	E54	R502	D66	R731	C22	R944	D33
C101	C40	C332	C44	C531	E9	C972	B38	D715	E75	J601	D45	Q154	C5	R101	B13	R307	B27	R503	C59	R732	C22	R951	B33
C102	E44	C333	B26	C533	C34	C973	B38	D721	D19	J602	C45	Q232	C22	R102	B14	R307	D53	R503	E4	R733	B22	R952	B33
C109	C40	C333	B55	C533	E59	C998	B35	D722	C19	J602	C45	Q233	B9	R107	E24	R308	C27	R504	C65	R734	C22	R953	B38
C110	D30	C333	D69	C534	E59	C999	B35	D723	B18	J602	E45	Q301	B26	R108	D24	R308	D53	R504	E4	R737	C20	R972	A38
C111	B30	C334	D68	C538	C59	CF001	B1	D724	B18	J810	A19	Q301	B74	R111	B13	R309	B27	R505	C65	R738	C22	R973	A38
C111	C14	C335	D68	C539	B59	CF021	B5	D761	E14	K102	C39	Q301	D54	R111	B29	R309	D53	R505	E4	R739	C2	R975	B38
C112	C14	C336	C68	C601	D46	CF041	A5	D762	E14	K103	D29	Q302	A74	R114	C30	R310	B27	R507	A38	R740	B21	R977	B38
C113	B12	C337	D68	C602	A46	CN90PW	A33	D771	B43	K104	C31	Q302	C26	R115	B30	R311	C27	R507	B65	R742	C21	R978	B38
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C115	B11	C343	D69	C606	C46	CP936	E37	D811	E20	K916	C36	Q304	B27	R122	C31	R313	C54	R511	D59	R749	B22	RY941	B35
C115	D30	C344	B67	C607	D101	A31	D901	A35	K917	C36	Q305	C27	R122	C32	R314	C27	R511	E5	R750	B22	RY941	D34	
C116	B13	C345	B67	C608	C44	D101	B13	D910	C35	K920	C36	Q306	A27	R123	C30	R315	A27	R512	D6	R751	B21	RY951	A34
C117	C30	C351	D25	C609	B10	D101	E24	D911	C36	K931	A37	Q351	D25	R124	B31	R3							

MAIN BOARD - TOP VIEW



MAIN BOARD - TOP VIEW, GRIDTRACE LOCATION GUIDE

C	I1	C602	E2	CF041	F3	IC702	F11	R505	M7
C001	H1	C603	D2	CN001	A8	IC851	G11	R507	P5
C002	H2	C604	E2	CN002	A4	IC852	G9	R511	O6
C003	H2	C605	D2	CN003	B4	IC853	G8	R512	K5
C014	H4	C606	D2	CN004	E6	IC911	O8	R513	L5
C021	F6	C607	E3	CN005	K1	IC921	J6	R523	L1
C023	G5	C609	E3	CN006	C11	J601	D1	R525	M3
C026	F4	C610	E4	CN007	D12	J602	C1	R526	K3
C028	F5	C611	E3	CP	M4	J810	C1	R527	M1
C029	G2	C612	B2	CP932	J9	K	K6	R528	M1
C038	F3	C663	C8	CP933	J9	K401	J3	R531	J2
C041	F4	C664	D8	CP934	J8	K912	O9	R543	I3
C042	F3	C706	B10	CP936	J10	K916	O8	R544	I3
C045	G4	C707	F9	D401	J3	K917	O8	R545	J4
C111	E5	C714	B11	D431	J1	K920	M9	R548	J3
C113	E4	C800	G10	D501	M4	K931	K8	R553	J4
C114	F3	C802	G11	D502	M5	K932	K8	R857	H9
C115	F4	C803	G10	D507	L5	K933	K8	R858	G7
C136	C3	C806	F10	D521	M1	K935	K10	R901	P10
C152	B3	C807	F10	D523	L3	K937	K9	R909	N9
C202	E6	C810	C10	D524	L3	K939	E7	R911	O11
C281	E3	C811	C11	D525	L2	L001	H2	R912	O10
C282	E4	C851	H11	D526	K3	L012	G4	R913	O10
C284	D4	C852	G11	D527	L1	L021	G5	R914	O8
C286	D4	C853	G8	D531	J1	L022	F2	R915	N8
C287	D4	C854	G9	D537	J2	L027	F4	R917	M8
C352	A11	C856	H7	D711	D12	L041	G5	R918	N8
C354	D5	C857	G8	D723	E10	L042	F3	R919	N9
C391	D5	C904	M11	D724	E10	L101	F6	R924	J6
C404	J2	C905	M11	D800	G10	L232	D3	R930	O11
C405	J2	C906	M10	D901	M10	L511	L4	R939	J10
C407	K3	C907	O10	D910	P8	L512	J5	R940	K10
C410	I2	C908	N10	D911	N11	L521	L2	R941	J5
C411	J2	C912	O9	D912	N8	L700	E9	R953	I10
C421	K2	C913	P8	D913	N8	L810	C9	R973	P4
C431	I1	C914	O8	D915	N9	L931	K7	R975	O5
C432	J1	C919	M9	D930	K8	L933	I9	R977	O5
C501	N6	C931	K7	D931	J7	L934	J7	RY941	L10
C502	N7	C932	J9	D933	K9	L937	I9	RY951	K11
C503	N6	C933	J8	D935	K10	MPX	H4	S1	K1
C504	P6	C934	J8	D937	K9	P	J11	SF011	F5
C505	L6	C935	J9	D954	H11	PC921	M7	SS	A9
C507	J4	C937	K7	D955	H11	Q	L3	T501	O6
C510	N5	C938	I8	D956	H11	Q011	G4	T502	O2
C513	M5	C939	K8	D957	H12	Q501	N7	T921	M8
C514	M6	C940	K8	DEG	L11	Q511	N5	T951	I11
C515	K5	C942	J4	F905	N9	Q531	I5	TH901	L11
C516	K4	C943	I8	FR521	L1	Q543	I3	TU001	G2
C521	K1	C948	H10	FR523	L3	Q971	P5	X201	E5
C523	K2	C951	H10	FR524	L2	R014	G4	X700	E9
C524	K2	C971	P5	FR525	L2	R403	J3		
C525	K1	C972	O6	HV	M4	R404	J3		
C526	L1	C973	J6	IC101	F4	R414	K3		
C527	L4	C998	L7	IC151	B7	R417	J3		
C531	M3	C999	L8	IC401	I2	R431	J2		
C533	I6	CF001	G3	IC651	C8	R503	N7		
C601	E2	CF021	F2	IC701	E10	R504	M6		

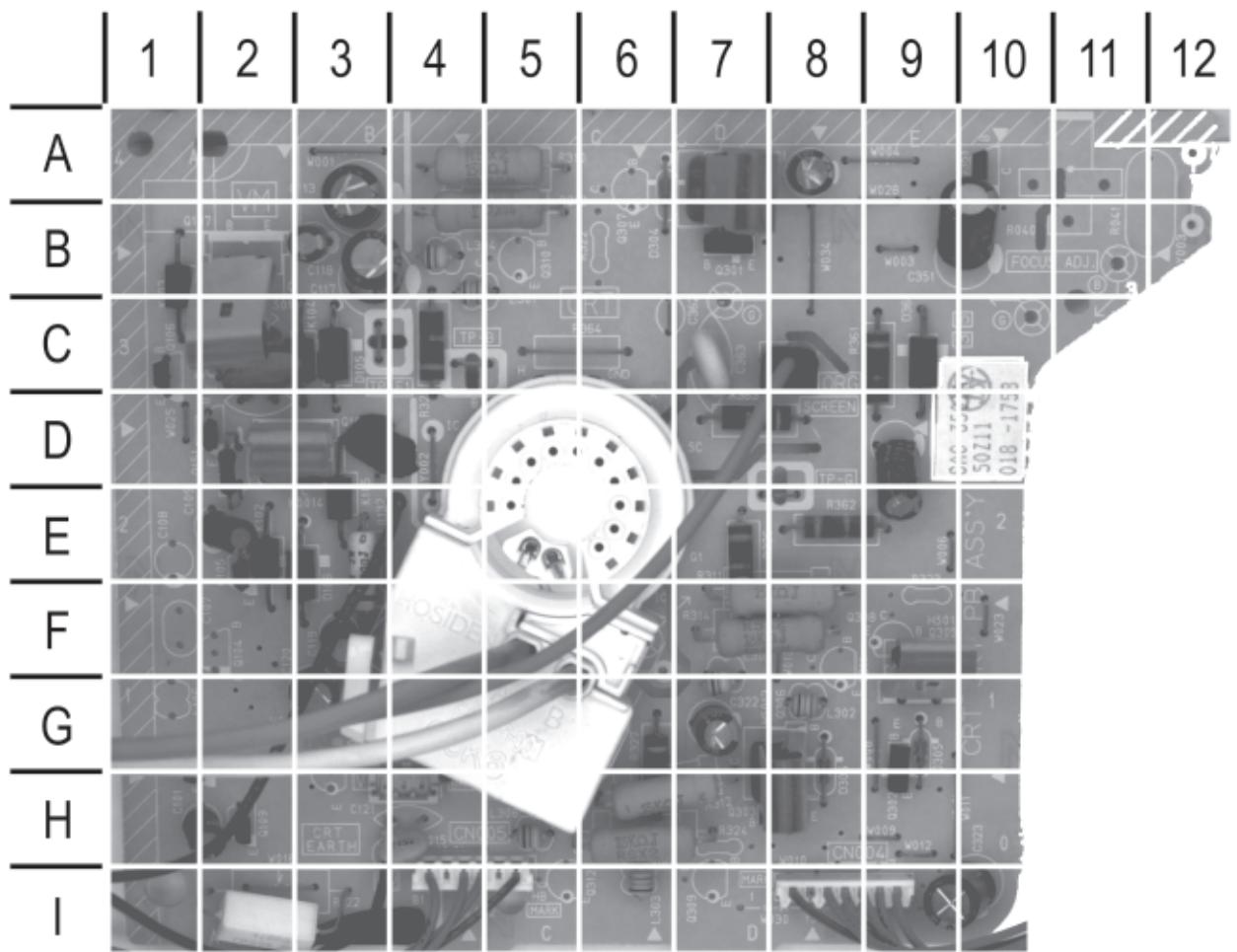
MAIN BOARD - BOTTOM VIEW



MAIN BOARD - BOTTOM VIEW, GRIDTRACE LOCATION GUIDE

C011	G9	C813	D3	LC603	E11	R047	F8	R440	I7	R748	D3
C012	H8	C816	D2	LC604	D11	R048	F8	R441	J7	R749	C4
C015	H8	C916	N5	LC605	D11	R101	D7	R502	N6	R750	C4
C016	G8	C917	N5	LC606	C11	R102	D7	R522	K10	R751	C4
C024	G8	C918	M5	Q021	F10	R111	E8	R529	K10	R752	C4
C025	F9	D101	D7	Q024	F11	R131	C9	R532	I8	R754	C3
C027	F8	D102	D7	Q025	F8	R132	D9	R533	I8	R755	B5
C030	G11	D305	D7	Q041	F8	R133	D10	R534	I8	R756	B4
C034	F8	D306	E7	Q131	D9	R134	C9	R535	K12	R762	C3
C037	F8	D307	E7	Q132	D9	R135	D9	R537	J12	R763	C3
C043	F10	D352	A3	Q133	D9	R136	D10	R538	I7	R764	I12
C044	F10	D353	B3	Q153	B7	R137	D9	R546	I9	R765	H12
C046	F8	D432	J12	Q154	C7	R138	D9	R547	I9	R766	I12
C047	F8	D529	K10	Q232	D10	R139	D9	R601	E11	R767	I12
C048	G10	D535	I8	Q233	D10	R140	D10	R602	E11	R768	I12
C112	E8	D601	D10	Q352	A3	R155	C7	R603	E11	R769	D4
C116	F8	D602	E10	Q431	J12	R156	C7	R604	D11	R770	D4
C131	C9	D603	E10	Q440	I7	R201	F7	R605	D11	R772	E5
C132	D9	D604	F10	Q532	I8	R231	C10	R606	C11	R774	E5
C133	D9	D605	D10	Q541	I9	R237	C10	R607	E9	R775	J11
C134	D9	D606	F10	Q542	I9	R238	C10	R608	E10	R776	F3
C135	D9	D701	C3	Q700	C4	R241	D10	R609	F10	R777	D4
C150	C7	D702	B3	Q701	E5	R243	D10	R700	E3	R778	D4
C151	C10	D706	I12	Q703	D4	R281	E8	R701	E2	R790	B2
C201	E7	D707	I12	Q705	B2	R282	D9	R702	E2	R791	B2
C203	E8	D708	I12	Q706	F4	R283	E8	R704	E2	R792	A2
C233	C10	D709	I12	Q711	B3	R286	D9	R705	E2	R793	C4
C237	E9	D710	I12	Q810	D2	R287	D8	R706	E2	R794	C4
C283	E8	D712	B2	Q941	I2	R288	D9	R707	E2	R795	C4
C285	E8	D713	B2	Q951	J2	R289	D8	R708	F2	R798	B4
C288	D8	D714	B2	R001	H12	R290	D9	R709	F2	R799	C3
C302	E7	D715	B2	R011	G9	R292	D8	R714	D3	R800	G3
C392	E7	D721	C4	R012	G9	R293	K11	R715	C3	R806	D4
C393	E8	D722	I11	R013	G9	R301	E8	R721	D2	R811	E3
C394	D8	D801	G3	R015	H8	R302	E8	R722	D2	R812	D3
C395	D8	D810	C11	R016	H8	R303	E8	R724	C2	R814	D3
C401	J11	D811	D3	R018	F8	R304	E7	R725	C3	R815	D2
C403	I11	D914	M5	R020	F9	R305	E7	R726	C3	R817	E2
C415	I11	D917	N5	R021	F8	R306	E7	R727	C3	R818	E3
C608	D10	D918	P5	R022	G9	R318	E8	R728	B2	R821	E3
C700	E3	D920	M5	R023	F9	R319	E7	R729	C2	R824	E4
C703	C3	D941	J8	R024	F9	R356	B3	R731	F5	R827	E4
C710	E3	D945	K2	R025	F10	R359	D7	R732	F5	R860	B3
C721	E3	D952	K2	R026	F10	R401	J11	R733	E4	R943	I2
C722	C4	D953	H2	R028	F10	R405	J10	R734	E4	R944	I2
C723	C4	D972	P7	R029	G11	R411	I11	R737	F4	R951	J2
C724	C4	D973	O6	R030	F11	R412	I11	R738	D4	R952	J2
C726	J11	IC601	E10	R038	F11	R432	J12	R739	D4	R972	P8
C801	G3	IC703	G2	R041	G8	R433	J12	R740	D4	R978	P7
C804	G3	LC601	E11	R042	F10	R434	J11	R742	D4		
C805	F2	LC602	E11	R043	G10	R435	J12	R743	D3		

CRT BOARD - TOP VIEW

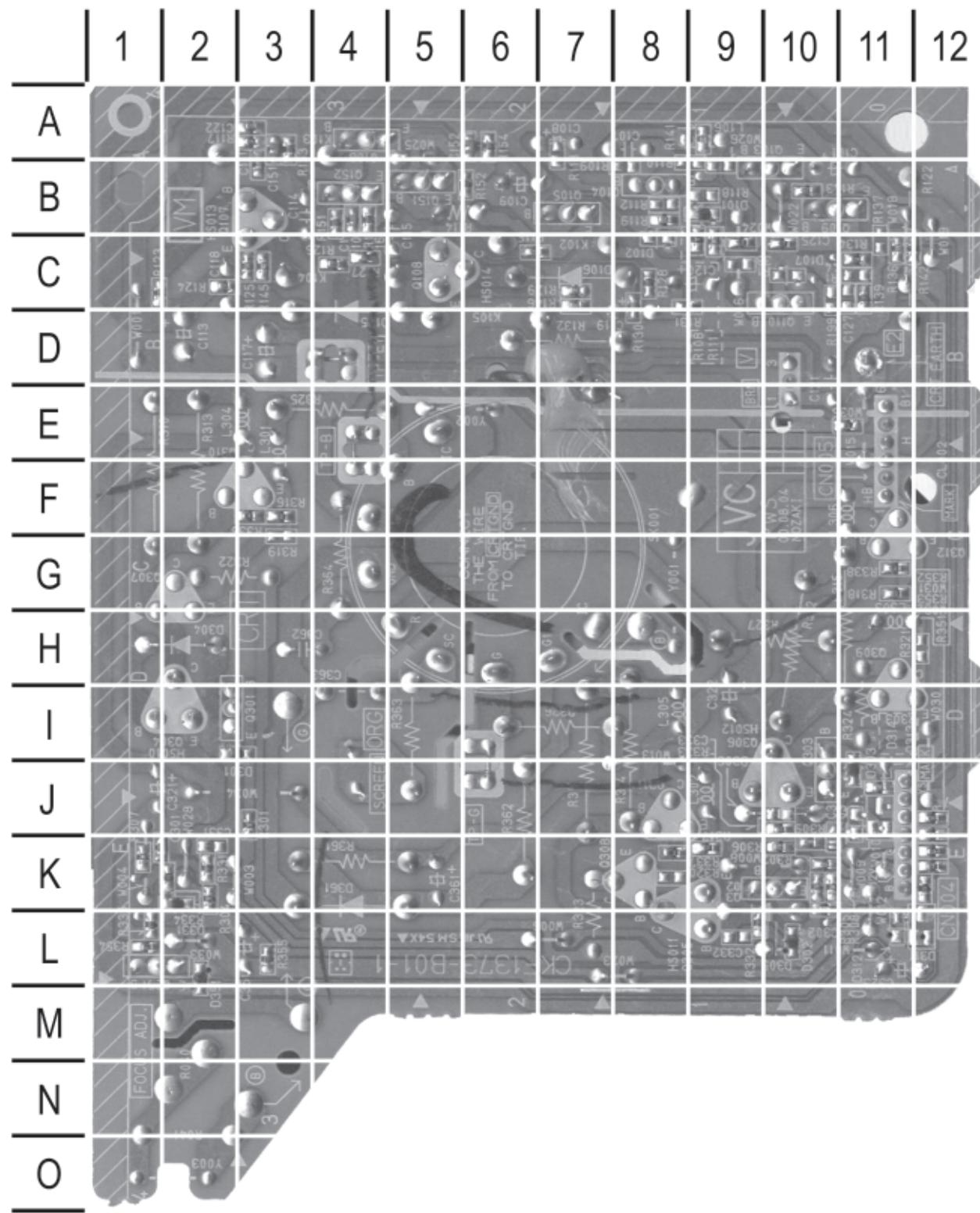


CRT BOARD - TOP VIEW, GRIDTRACE LOCATION GUIDE

C101	H2	CN005	I5	L305	G7	R114	D2
C109	E2	CN00V	H4	L306	H5	R122	I2
C113	B3	CN0SC	C8	Q103	H1	R132	E3
C114	B2	D105	C3	Q105	E2	R310	A4
C115	C2	D106	E3	Q106	C1	R311	F7
C117	B3	D304	A6	Q107	B2	R312	H6
C118	B3	D305	G9	Q108	D2	R313	B4
C119	F3	D306	H8	Q109	H2	R314	F7
C120	G3	D361	C9	Q151	D2	R315	H6
C121	H4	K102	E2	Q152	C1	R325	C4
C321	A8	K103	B1	Q301	B7	R326	E7
C322	G7	K104	C3	Q302	G9	R327	G6
C323	I11	K105	E3	Q303	H8	R361	C9
C351	A10	L301	B4	Q304	A7	R362	E8
C361	D9	L302	G8	Q305	F9	R363	D7
C363	C7	L303	I6	Q306	H8	SK001	E5
CN004	I8	L304	B4	Q351	A10		

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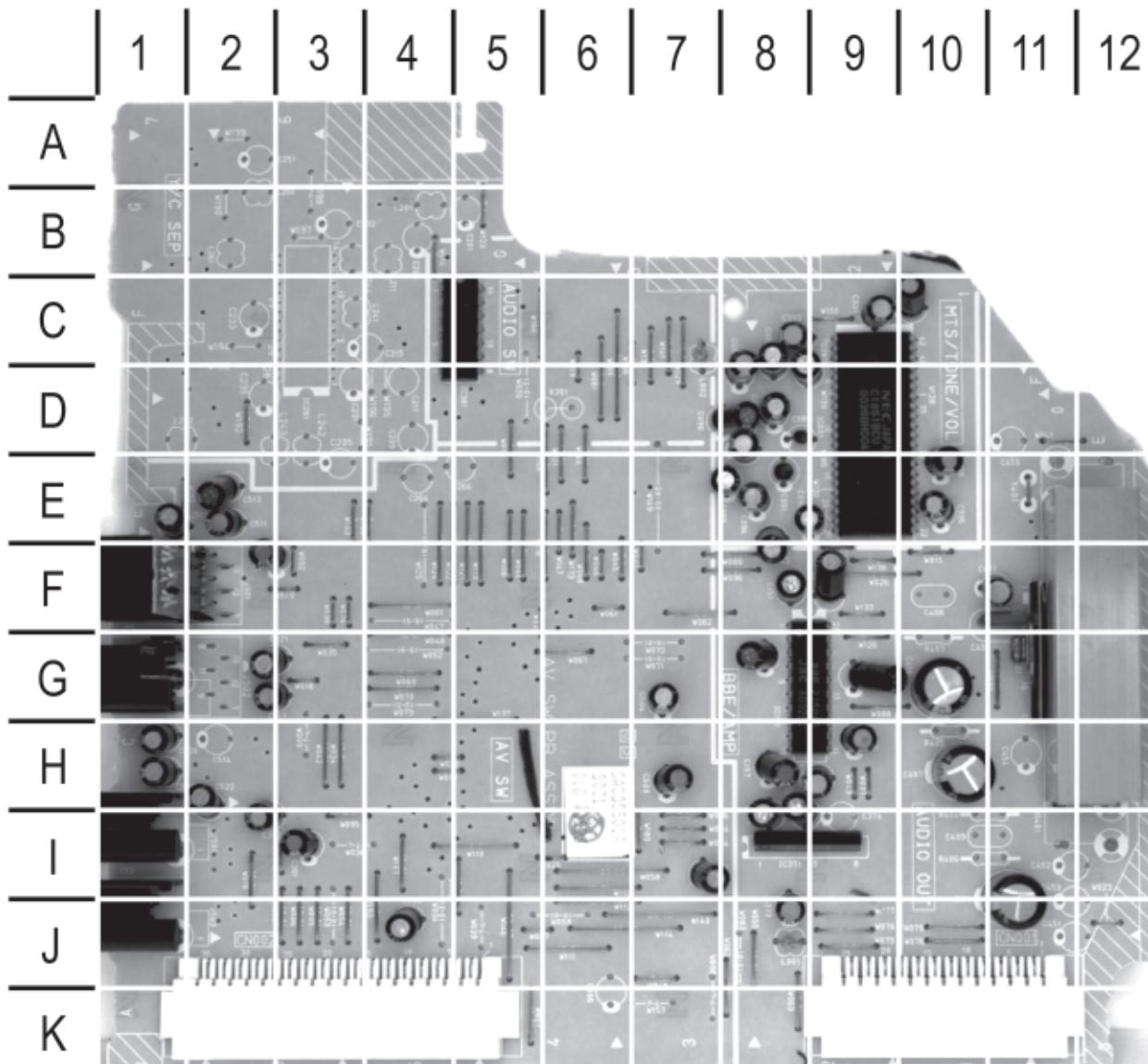
CRT BOARD - BOTTOM VIEW



CRT BOARD - BOTTOM VIEW, GRIDTRACE LOCATION GUIDE

C110	B4	R124	C2	R302	K10
C111	B3	R125	C3	R303	J11
C122	A3	R126	C4	R304	K2
C151	A3	R127	C4	R305	K10
C152	A6	R128	C8	R306	K10
C301	K1	R129	C7	R307	K1
C302	K10	R130	D8	R308	K10
C303	K10	R131	C8	R309	K10
D101	B9	R134	C11	R331	K2
D301	I2	R136	C11	R332	L9
D302	L10	R139	C11	R333	J10
D303	J11	R142	C12	R334	K2
D331	K2	R143	B10	R335	L1
D351	L2	R145	C3	R351	K12
R111	C9	R146	C7	R352	J12
R115	C6	R151	B4	R353	K12
R116	B4	R152	B6	R354	L1
R117	A3	R153	A3	R355	L3
R119	B8	R154	A6		
R123	C1	R301	J3		

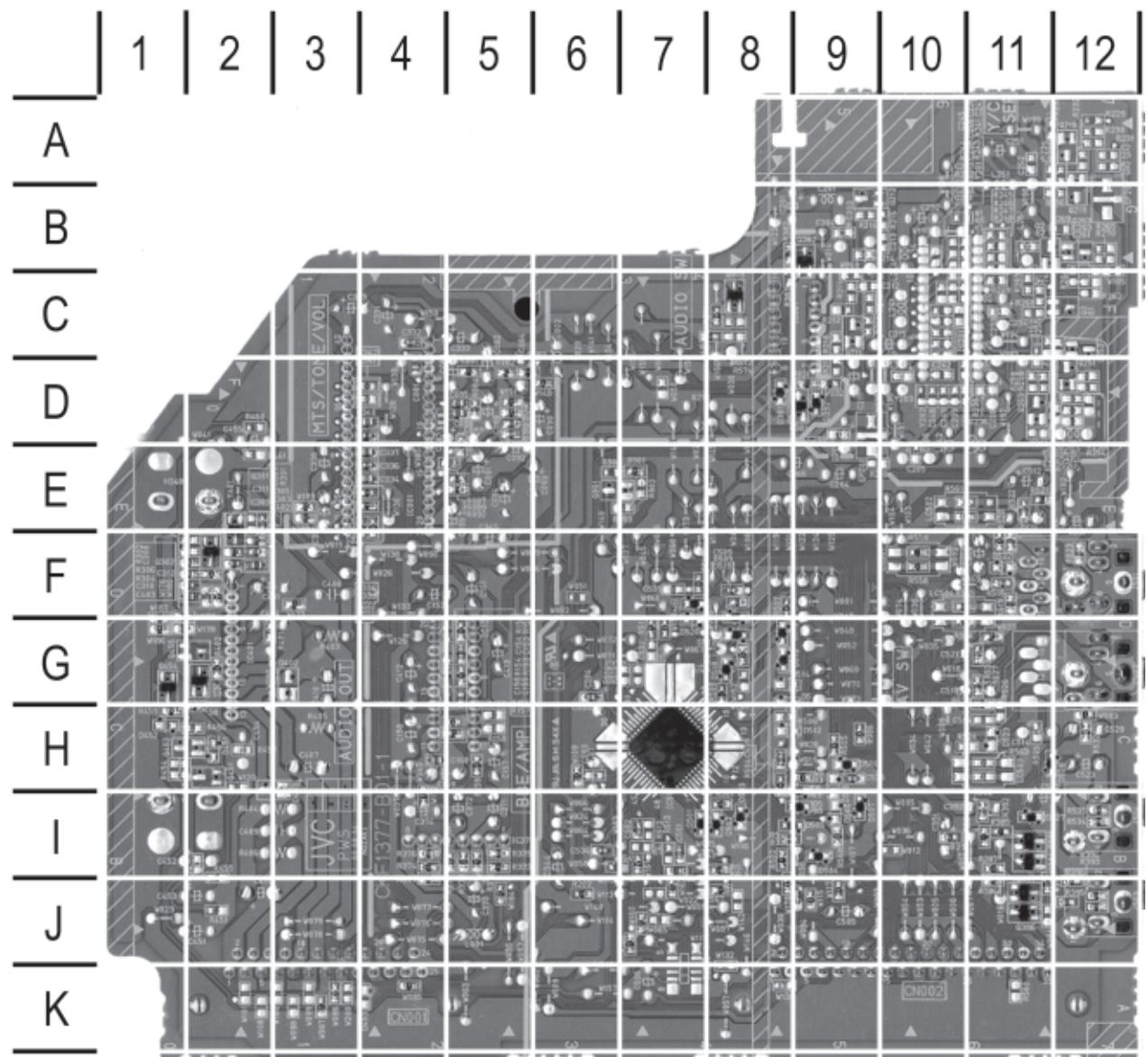
AV SELECTOR BOARD - TOP VIEW



AV SELECTOR BOARD - TOP VIEW, GRIDTRACE LOCATION GUIDE

C082	C8	C159	H9	C407	H10	C522	H2
C083	C8	C331	C9	C410	G10	C523	H1
C084	C8	C333	C8	C411	J11	CN001	K11
C086	D8	C335	E10	C412	G9	CN002	K5
C089	D8	C338	E10	C413	G8	IC001	C9
C090	D8	C343	C10	C503	H7	IC151	G8
C091	E8	C344	I7	C504	G7	IC371	I8
C092	D8	C345	F8	C505	J4	IC381	C4
C093	E8	C371	I8	C508	F2	IC401	F11
C094	E8	C372	H8	C511	E2	J501	F1
C095	E8	C373	J8	C512	E2	J502	G1
C151	F8	C391	I3	C513	E1	J503	J1
C152	F9	C392	I2	C517	G2	J504	I1
C157	H8	C401	F11	C520	H1	L001	J8
C158	H9	C404	F11	C521	G2	L002	C7

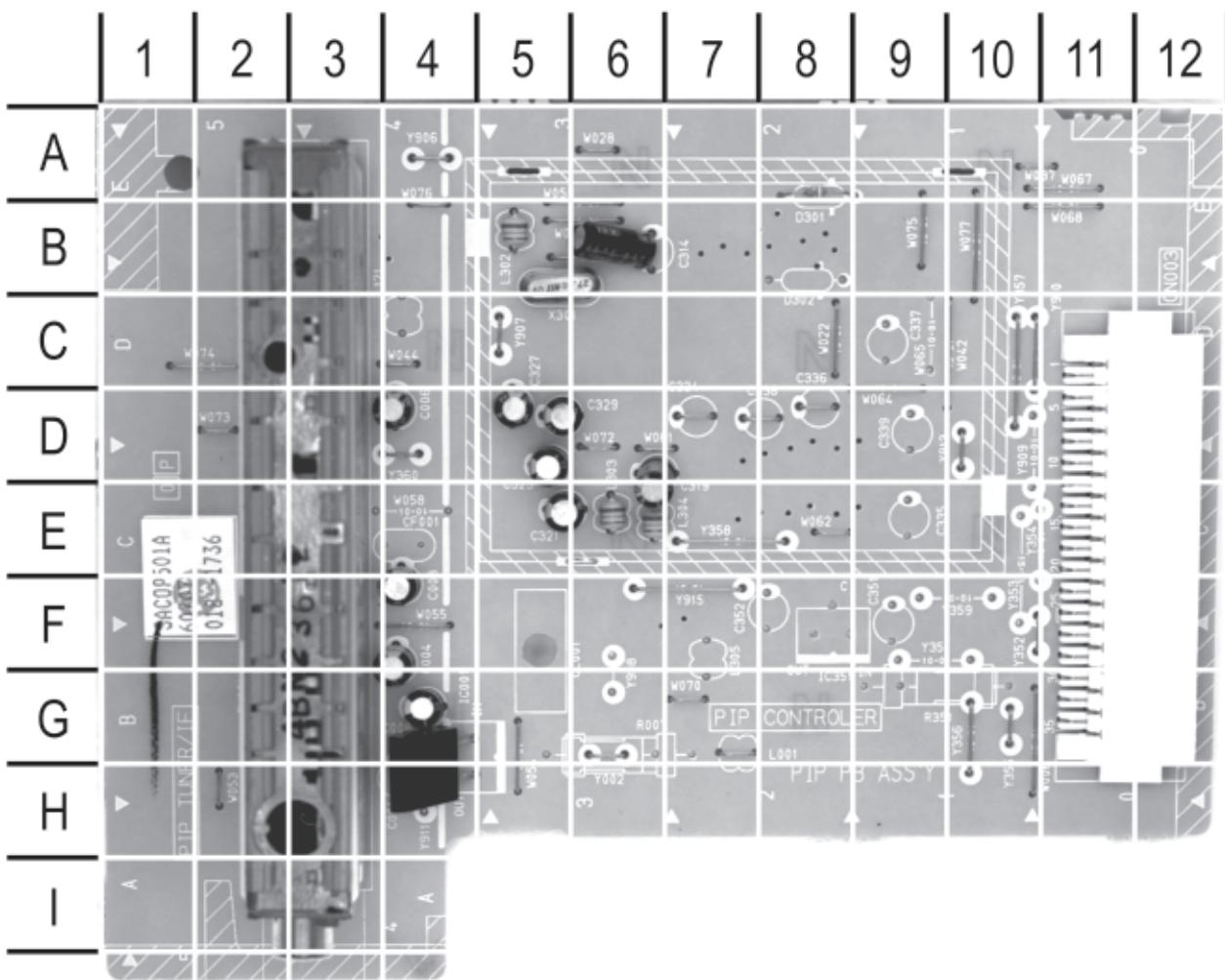
AV SELECTOR BOARD - BOTTOM VIEW



AV SELECTOR BOARD - BOTTOM VIEW, GRIDTRACE LOCATION GUIDE

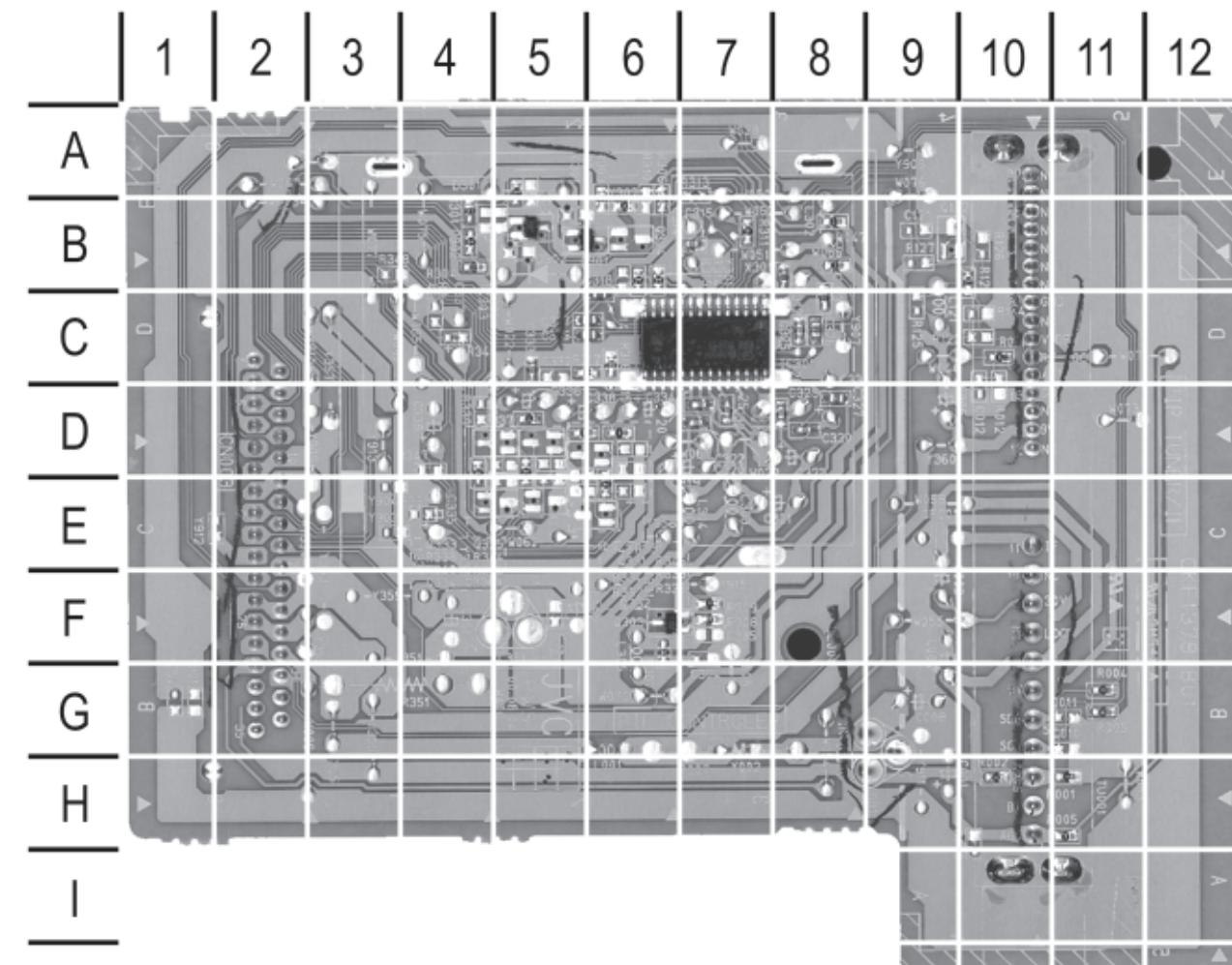
C081	D4	D507	I9	R090	E5	R395	J12
C085	D5	D508	I9	R151	G5	R396	J12
C087	D4	D509	H9	R152	G5	R401	G2
C088	D5	D511	H9	R153	G5	R402	G2
C153	G5	D515	G8	R154	G5	R458	H2
C154	G5	D516	G8	R159	H5	R459	H1
C155	G5	D517	G8	R202	J6	R501	I8
C156	G5	D518	G8	R301	E2	R502	I8
C160	H4	D519	F8	R302	F1	R503	I8
C309	F2	D521	F7	R303	F2	R504	H8
C310	F2	D527	I11	R304	F2	R505	H9
C332	C4	D528	H11	R331	E4	R507	F8
C334	E4	IC501	H7	R332	E4	R508	G8
C336	E4	Q301	E3	R333	E4	R509	F8
C337	E4	Q302	F2	R334	E4	R510	F7
C339	D4	Q381	D9	R371	I5	R511	G7
C340	D4	Q382	B9	R372	I5	R518	F11
C402	F2	Q384	I11	R373	I5	R519	F11
C403	F2	Q385	I11	R374	I4	R520	F11
C501	I7	Q386	J11	R375	I5	R521	E11
C502	I7	Q387	J11	R376	I4	R522	E11
C509	F8	Q453	G2	R377	I4	R523	F12
C533	G6	Q454	G2	R378	I5	R527	G11
C534	I6	Q509	C8	R381	C8	R532	H12
C538	H9	R081	D5	R382	B8	R533	G11
C539	H8	R082	D5	R384	I11	R534	I12
D391	D8	R083	D5	R385	I11	R535	I12
D392	D9	R084	D5	R386	J11	R566	I8
D501	I7	R085	D5	R387	I11	R567	J8
D502	I8	R086	D5	R391	I10	R571	C8
D503	I8	R087	E5	R392	I11	R573	C8
D504	I9	R088	E5	R393	J12	R901	E7
D505	I8	R089	E5	R394	J12		

PIP BOARD



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PIP BOARD - TOP VIEW, GRIDTRACE LOCATION GUIDE			
C003	F4	C329	D5
C004	F4	CN003	C12
C006	D4	D301	A8
C008	G4	IC001	H4
C314	B6	L302	B5
C319	E6	L303	E6
C321	E5	L304	E6
C323	D5	TU001	G3
C327	D5	X301	B5



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PIP BOARD - BOTTOM VIEW, GRIDTRACE LOCATION GUIDE			
C312	B8	Q302	B5
C313	C8	Q303	F6
C315	B7	R001	H11
C316	C5	R002	H10
C317	C5	R003	G11
C318	C6	R004	G11
C320	D7	R301	B4
C322	D7	R303	B6
C324	D7	R304	B4
C325	C8	R306	A6
C326	C8	R307	F6
C328	D8	R308	F7
C330	D8	R309	F7
C331	D8	R311	B7
C333	C5	R313	A7
IC301	C7	R316	C6
Q301	B6		

PARTS LIST

Item No.	Type No.	Mfr. Part No.	Notes	Item No.	Type No.	Mfr. Part No.	Notes
D101, 02	-	UDZS8.2B-X	-	D933, 35, 37	-	RU3YX-LFC4	-
D305, 06, 07	-	MA153A-X	-	D941	-	MA3300/M/-X	-
D352	-	UDZS9.1B-X	-	D945, 52, 53	-	1SS355-X	-
D353	-	1SS355-X	-	D954 Thru			
D401, 31	-	1SR35-400A-T2	-	D957	-	1SR35-400A-T2	-
D432	-	1SS355-X	-	D972	-	MA3150/M/-X	-
D501	-	RH3G-F1	-	D973	-	1SS355-X	-
D502	-	RU3AM-LFC4	-	IC101	-	TB1253N	-
D507	-	RGP10J-5025-T3	-	IC151	-	TC4066BF/N/-XE	-
D521	-	RH1S-T3	-	# IC401	-	LA7841	-
D523, 24	-	EL1Z-T3	-	IC601	-	M52055FP-X	-
D525, 26	-	1SS81-T5	-	IC651	-	PQ3RD13	-
D527	-	1SR124-400A-T2	-	IC701	-	MN1876478JL	-
D529	-	MA3051/H/-X	-	IC702	-	AT24C04-27F802	-
# D531	-	MA4068N/Z1/-T2	-	IC703	-	MM1437AF-X	-
D535	-	1SS355-X	-	IC851	-	AN7812F	-
D537	-	1SR35-400A-T2	-	IC852	-	AN7809F	-
D601 Thru				IC853	-	AN7805F	-
D606	-	UDZS9.1B-X	-	IC911	-	STR-F6626/F3	-
D701, 02	-	1SS355-X	-	# IC921	-	SE135N	-
D706 Thru				# PC921	-	TLP621(B)	-
D710	-	MA3082/M/-X	-	Q011	-	2SC5083/L-P/-T	-
D711	-	1SS81-T2	-	Q021, 24	-	2SC2412K/QR/-X	-
D712 Thru				Q025, 41	-	2SA1037AK/QR/-X	-
D715	-	1SS355-X	-	Q131, 32, 33	-	2SC2412K/QR/-X	-
D721, 22	-	1SS355-X	-	Q153, 54	-	DTC124EKA-X	-
D723, 24	-	MTZJ5.6B-T2	-	Q232, 33	-	2SC2412K/QR/-X	-
D800	-	1SS81-T2	-	Q352	-	2SC2412K/QR/-X	-
D801	-	1SS355-X	-	Q431, 40	-	2SC2412K/QR/-X	-
D810	-	MA3082/M/-X	-	Q501	-	2SC4212K/Z1/	-
D811	-	1SS355-X	-	# Q511	-	2SD2634-YD	-
# D901	-	RBV-406M	-	Q531	-	2SC2785/JH/-T	-
D910	-	MA700A-T2	-	Q532, 41, 42	-	2SA1037AK/QR/-X	-
# D911, 12, 13	-	RGP10J-5025-T3	-	# Q543	-	2SD1408/OY/-LB	-
D914	-	1SS355-X	-	Q700	-	2SC2412K/QR/-X	-
D915	-	SARS01-T2	-	Q701, 03, 05	-	2SA1037AK/QR/-X	-
D917	-	MA3270/H/-X	-	Q706	-	DTC363TK-X	-
D918	-	MA3051/H/-X	-	Q711	-	DTC124EKA-X	-
D920	-	1SS355-X	-	Q810	-	DTC144EKA-X	-
D930	-	RGP10J-5025-T3	-	Q941	-	2SC2412K/QR/-X	-
D931	-	RU30A-F1	-	Q951	-	2SD1383K/AB/-X	-

JVC

MODEL AV-27F802/SME

PARTS LIST continued

Item No.	Type No.	Mfr. Part No.	Notes	Item No.	Type No.	Mfr. Part No.	Notes				
Q971	-	2SA1123/R/Z1-T	-	Q301, 02, 03	-	2SC5083/L-P/-T	-				
AV SELECTOR BOARD											
D391, 92	-	UDZS10B-X	-	Q304, 05, 06	-	2SC5147/CDE/F43	-				
D501 Thru				Q351	-	2SA933AS/QR/-T	-				
D505	-	UDZS10B-X	-	DAF BOARD							
D507, 08, 09	-	UDZS10B-X	-	D761, 62	-	ES1F-LFG2	-				
D504, 05, 07, 09	-	UDZS10B-X	-	D771	-	MA3300/M/-X	-				
D511	-	UDZS10B-X	-	Q751, 52	-	2SC2412K/QR/-X	-				
D515 Thru				Q753	-	2SC4632	-				
D519	-	UDZS10B-X	-	FRONT BOARD							
D521, 27, 28	-	UDZS10B-X	-	D402, 03	-	UDZS10B-X	-				
IC001	-	UPC1851BCU	-	PIP BOARD							
IC151	-	NJM2150AD	-	D301	-	1SS133-T2	-				
IC371	-	BA15218N	-	IC001	-	AN7805F	-				
IC381	-	TC4066BP/N/	-	IC301	-	SDA9389X-X	-				
IC401	-	LA4485	-	Q301, 02, 03	-	2SC2412K/QR/-X	-				
IC501	-	CXA2089Q-X	-	POWER SW BOARD							
Q301, 02	-	DTC124EKA-X	-	D101	-	SLR-342VR3F	-				
Q381, 82	-	DTC124EKA-X	-	Q101, 02	-	DTA124EKA-X	-				
Q384 Thru				IC101	-	GP1U281Q	-				
Q387	-	DTC323TK-X	-	Item No. Function/Rating Mfr. Part No. Notes							
Q453	-	2SC2412K/QR/-X	-	C136	10µF 20% 16V NP	QENC1CM-106Z	-				
Q454	-	DTC124EKA-X	-	C152	1µF 20% 50V NP	QENC1HM-105Z	-				
Q509	-	2SC2412K/QR/-X	-	C505	2.2µF 20% 100V	QENC2AM-225Z	-				
CRT BOARD				C507	4.7µF 50V NP	QEZ0195-475Z	-				
D101	-	1SS355-X	-	# C510	.004 3% 1.5kV	QFZ0196-402	-				
D105, 06	-	RH1S-T3	-	# C513	.011 3% 1.5kV	QFZ0196-113	-				
D301, 02, 03	-	1SS355-X	-	# C514	.018 5% 400V	QFP32GJ-183	-				
D304, 05, 06	-	1SS82-T2	-	# C515	.39 250V	QFZ0197-394	-				
D331, 51	-	1SS355-X	-	# C904, 05, 06	.001 20% 250VAC	QCZ9054-102	-				
D361	-	RM2C-LFA1	-	# C907	470µF 20% 200V	QEZ0169-477	-				
Q103	-	2SA933AS/QR/-T	-	# C908	.001 +80% -20% 250VAC	QCZ9054-102	-				
Q105	-	2SC1740S/QR/-T	-	C937	.001 10% 2kV	QCZ0340-102	-				
Q106	-	2SA933AS/QR/-T	-	# C998, 99	.01 20% 400V	QCZ9074-103	-				
Q107	-	2SA1964/DE/	-	CF001	Trap	QAX0349-001	47.25MHz				
Q108	-	2SC5248/DE/	-	CF021	Trap	QAX0639-001Z	4.5MHz				
Q109, 51	-	2SC1740S/QR/-T	-								
Q152	-	2SA933AS/QR/-T	-								

PARTS LIST continued

Item No.	Function/Rating	Mfr. Part No.	Notes	Item No.	Function/Rating	Mfr. Part No.	Notes
CF041	Filter	QAX0642-001Z	4.5MHz	# R531	390 5% 1/4W	QRJ146J-391X	-
# CP932, 33, 34, 36	IC Protect	ICP-N75-Y	Protect	# R535	2400 .5% 1/10W	NRVA02D-242X	-
# DY01 (1)	Yoke	-	-	# R537	7150 1%	NRZ0032-7151X	-
# F905	Fuse	QMFZ034-5R0Z-J1	5Amp	R553	39 5% 3W	QRL039J-390	-
# FR521	15 5% 1/2W Fusible	QRK129J-150	-	# R857	33 5% 2W	QRG029J-330	-
# FR523, 24	3.3 5% 2W Fusible	QRX029J-3R3	-	# R858	18 5% 2W	QRG029J-180	-
# FR525	4.7 5% 1/4W Fusible	QRZ9017-4R7	-	# R901	.47 10% 7W	QRF074K-R47	-
# FR526	.27 10% 1/2W	QRZ9013-R27	-	# R909	47 5% 1W	QRG01GJ-470	-
J601	Jack	QNN0349-002	Assembly	R939	2.2 5% 3W	QRX039J-2R2	-
J602	Jack	QNN0349-002	Assembly	R972	1000 .5% 1/10W	NRVA02D-102X	-
J810	Jack	QNS0001-001	AV Compulink Ex	# RY941	Relay	QSK0120-001	Degaussing
K401	Ferrite Bead	QQR0621-002Z	-	# RY951	Relay	QSK0113-001	Power
K912, 16, 17	Ferrite Bead	QQR0582-001Z	-	SF011	Filter	QAX0324-002	SAW
K920	Ferrite Bead	QQR0872-002	-	# SP1, 2	Speaker	CEBSS12D-04KJ2	2" X 4 3/4", 8 Ohms, 5W
K931, 32, 33	Ferrite Bead	QQR0582-001Z	-	T501	Horizontal Drive	CE42034-002	-
K935, 37	Ferrite Bead	QQR0582-001Z	-	# T502 (2)	Horizontal Output	QQH0084-001	-
K939	Ferrite Bead	QQR0621-002Z	-	# T921	Switch Mode	QQS0090-001	-
# L001	56µH	QQL244K-560Z	-	# T951	Power	QQT0315-001	-
# L01	Degaussing	QQW0090-001	-	# TH901	PTC	CEKP007-002	-
L012	.39µH	QQLZ014-R39	-	# TU001	Main Tuner	QAU0134-001	-
L021	Ferrite Bead	-	-	# V01	CRT	A68QCP981X002	-
L022, 24	22µH	QQL244K-220Z	-	X201	Crystal	CE40668-001Z	3.58MHz
L027	Ferrite Bead	-	-	X700	Resonator	QAX0307-001	-
L041	Ferrite Bead	-	-		Module	SAC-0Y501A	3D Y/C
L042	22µH	QQL244K-220Z	-		PC Board	SAC-1541A-M2	Main
L101	47µH	QQL244K-470Z	-		Transmitter	RM-C301G-2A	Remote
L232	56µH	QQL244K-560Z	-	AV SELECTOR BOARD			
# L511	Horizontal Linearity	QQR1165-001	-	C082	4.7µF 20% 50V NP	QENC1HM-475Z	-
L512	-	QQLZ027-821	-	C083	1µF 20% 50V NP	QENC1HM-105Z	-
# L521	-	QQLZ018-480	-	C089	3.3µF 10% 16V Tantalum	QBTC1CK-335Z	-
L700	4.7µH	QQL244K-4R7Z	-	C091	10µF 10% 16V Tantalum	QBTC1CK-106Z	-
L810	10µH	QQL244J-100Z	-	C151, 52	1µF 20% 50V NP	QENC1HM-105Z	-
L931, 33, 34, 37	47µH	QQL26AK-470Z	-	C344, 45	2.2µF 20% 50V NP	QENC1HM-225Z	-
LC601 Thru				C371, 72	1µF 20% 50V NP	QENC1HM-105Z	-
LC606	EMI Filter	NQR0169-001X	-	C505	.47µF 20% 50V NP	QENC1HM-474Z	-
R504	1200 5% 3W	QRL039J-122	-	J501	Jack	QNZ0454-001	Assembly
R505	1500 5% 3W	QRL039J-152	-	J502	Jack	QNN0349-001	Assembly
R507	2 5% 7W	QRF074J-2R0	-	J503	Jack	QNN0348-001	Assembly
R513	27K 5% 3W	QRL039J-273	-	J504	Jack	QNN0348-001	Assembly
# R525	47 5% 1/2W Fusible	QRZ9011-470	-				

MODEL AV-27F802/SME

JVC

PARTS LIST continued

Item No.	Function/Rating	Mfr. Part No.	Notes	Item No.	Function/Rating	Mfr. Part No.	Notes
L001, 02	-	QRN143J-0R0X	-	# LF902	Line Filter	QQR1159-001	-
R087	15K 2% 1/10W	NRVA02D-153X	-	# R998	2.7M 10% 1/2W	QRZ9041-275	-
R088	1500 2% 1/10W	NRVA02D-152X	-	# VA901	Varistor	ERZV10V621CS	-
	PC Board	SAC0S501A-M2	AV Selector		PC Board	SAC-9501A-M2	LF
CRT BOARD				PIP BOARD			
C363	.001 3kV	QCZ0324-102	-	L302, 03, 04	6.8μH	QQL244J-6R8Z	-
K102 Thru				# TU001	PIP Tuner	QAU0206-001	-
K105	Ferrite Bead	CE41492-001Z	-	X301	Crystal	QAX0521-001Z	27MHz
L301, 02, 03	18μH	QQL244K-180Z	-		PC Board	SAC0P501A-M2	PIP
L304, 05, 06	47μH	QQL244K-470Z	-	POWER SW BOARD			
R122	560 5% 1W Fusible	QRZ9021-561	-	IC101	Receiver	GP1U281Q	Remote
# SK001	Socket	CE42670-001	CRT	S701	Switch	QSW0847-001	Power
	PC Board	SAC-3501A-M2	CRT		PC Board	SAC-8601A-M2	Power Sw
DAF BOARD				# For SAFETY use only equivalent replacement part.			
L701	-	QQLZ028-272	-	(1)	Bonded part of CRT, includes VM coil.		
R771	22K 5% 3W	QRL039J-223	-	(2)	Screen and focus controls are part of T502.		
T701	Focus	QQR1153-001	-				
	PC Board	SAC-2601A-M2	DAF				
FRONT BOARD				<p style="text-align: center;">Important Parts Information</p> <ul style="list-style-type: none"> ■ 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. <p style="text-align: center;">Obtaining Parts</p> <p>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:</p> <p style="text-align: right;">800-428-7267</p>			
J401	Jack	QNZ0453-001	Assembly				
LC401, 02	EMI Filter	NQR0169-001X	-				
S702	Switch	QSW0619-003Z	Menu				
S703	Switch	QSW0619-003Z	Channel -				
S704	Switch	QSW0619-003Z	Channel +				
S705	Switch	QSW0619-003Z	Volume -				
S706	Switch	QSW0619-003Z	Volume +				
	PC Board	SAC-8501A-M2	Front				
LF BOARD							
# C901	.1 20% 275VAC	QFZ9067-104	-				
# C902	.047 20% 275VAC	QFZ9067-473	-				
# C903	.1 20% 275VAC	QFZ9067-104	-				
# C904	.001 20% 125VAC	QCZ9052-102	-				
# CN90PW	Line Cord	QMPD200-200-JC	AC, Polarized				
# F901	Fuse	QMF0007-5R0J1	5Amp, 125V				
FC901	Fuse Holder	CEMG002-001Z	For F901 (2 Used)				
# LF901	Line Filter	QQR0527-004	-				

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