

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 HOLDDOWN TEST

Turn set on. Temporarily connect an external 5.3V ±0.5V DC power supply between pin 2 of CN507 and ground pin 8 of CN507. Confirm that the set goes to holddown. Remove the external DC supply to re-establish 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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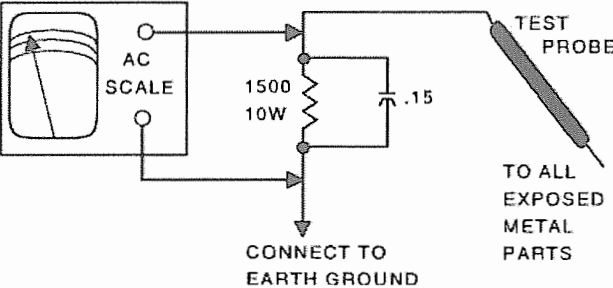
SAFETY CHECKS — FIRE AND SHOCK HAZARD

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.

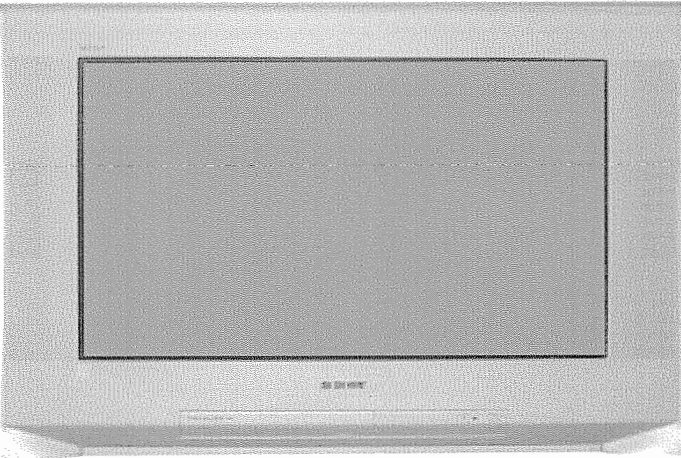
Hot Leakage Current Check

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
HD
SONY

Model KV-36HS420 (Chassis SCC-S66T-A)



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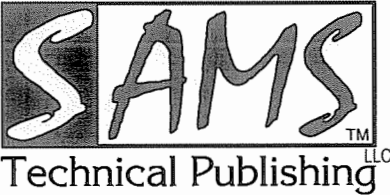
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Representative Model
Essential coverage
for servicing a television receiver...

- Schematics
- Component locations
- Parts list

Coverage includes these additional models and chassis:

Models	Chassis
KV-32HS420	SCC-S66R-A
KV-32HS420	SCC-S70Q-A
KV-36HS420	SCC-S69J-A
KV-36HS420	SCC-S70S-A



NOVEMBER 2006 SET 5200

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



06HD04049

SET 5200

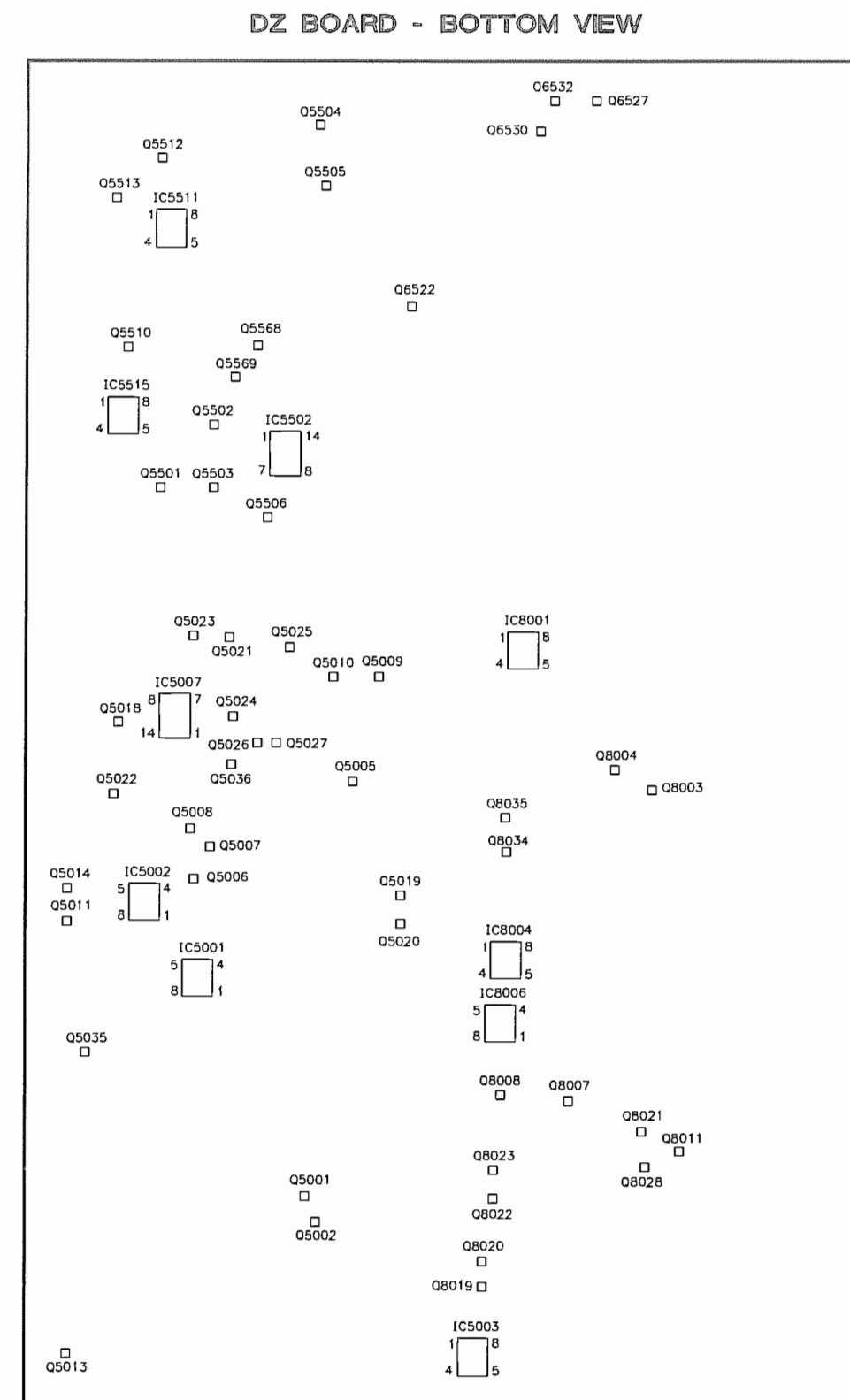
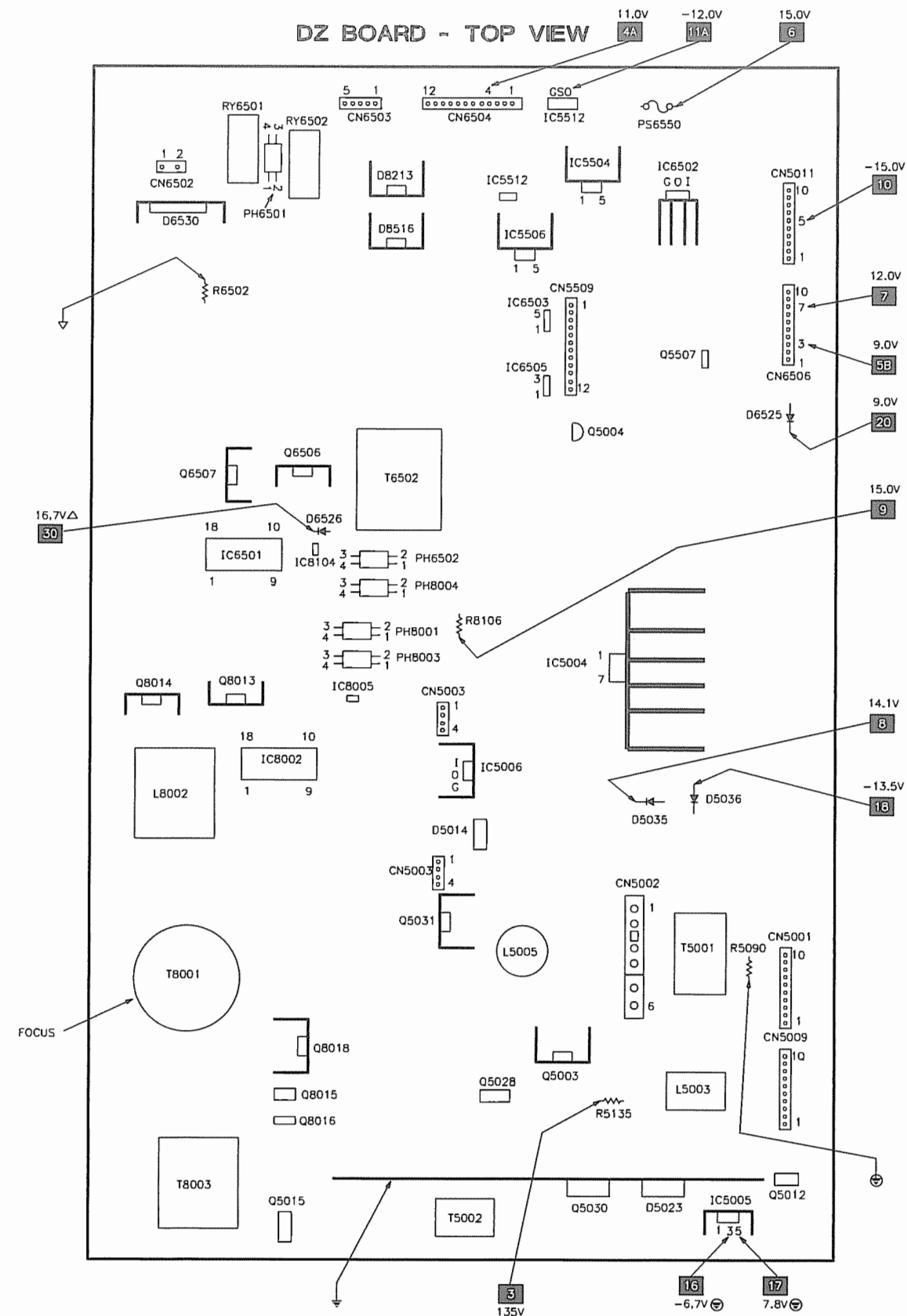
MODEL KV-36HS420 (CHASSIS SCC-S66T-A)

SONY

5200

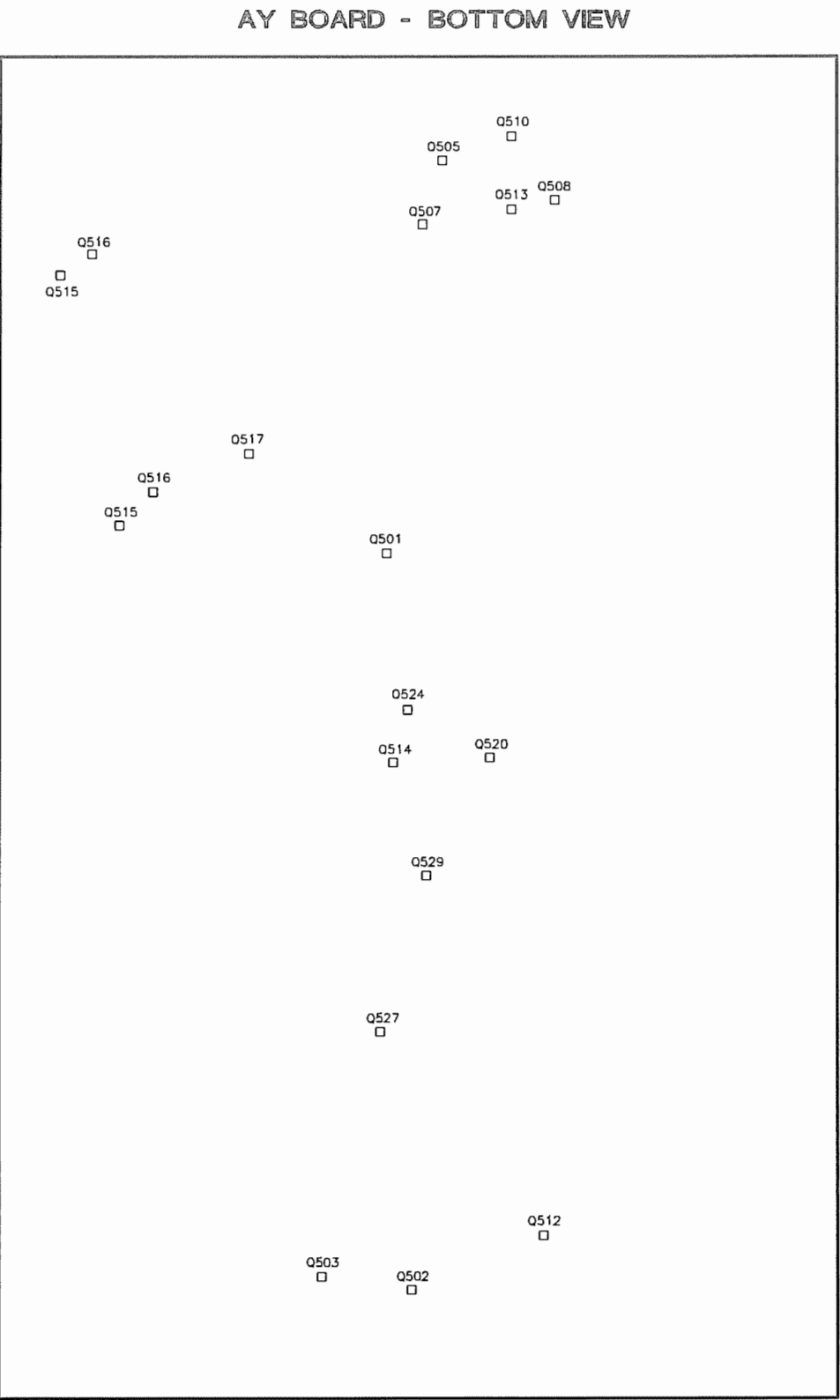
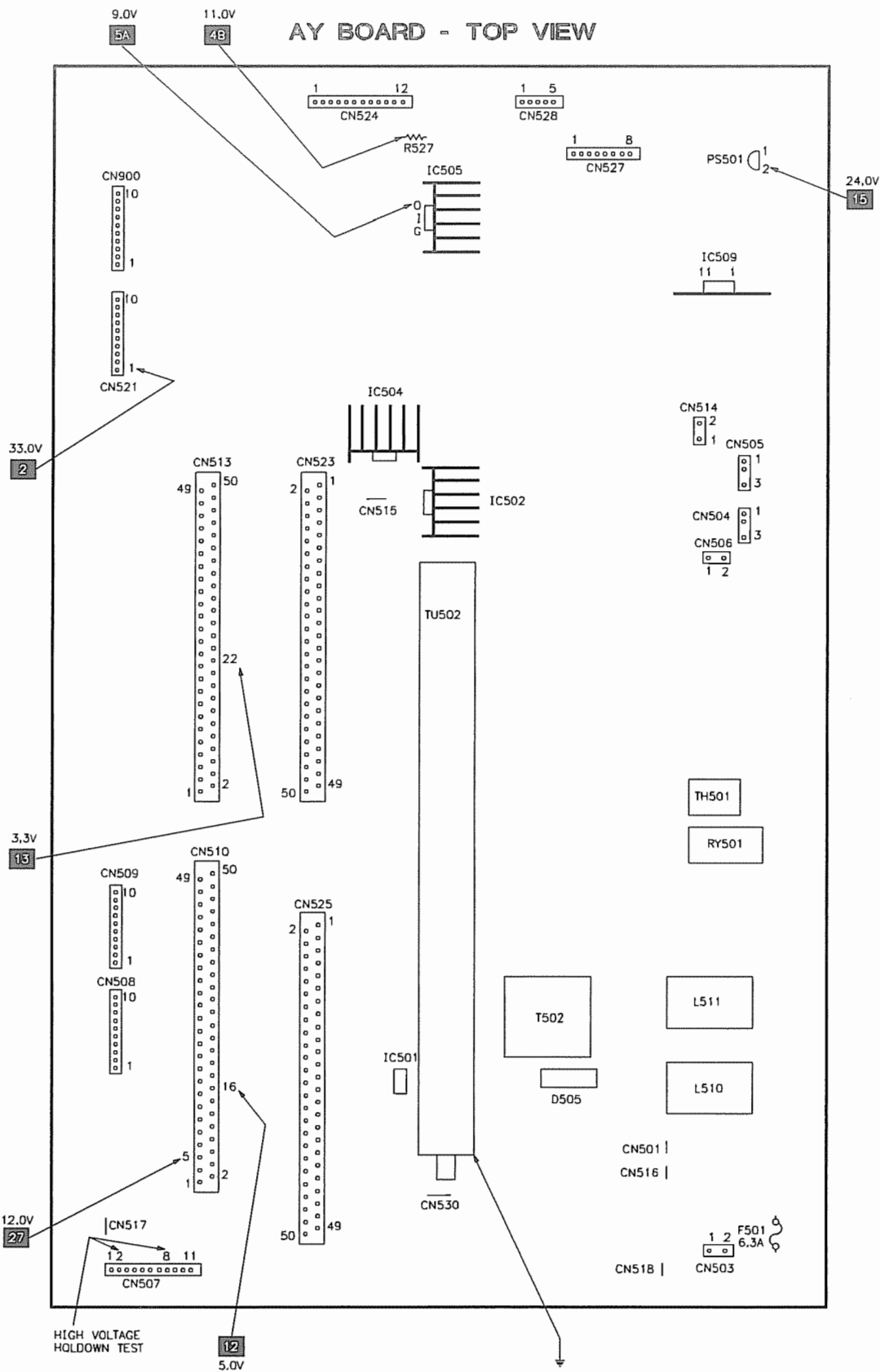
5200

PLACEMENT CHART



△ TAKEN FROM COMMON TIE POINT ↓
⊖ TAKEN FROM COMMON TIE POINT ⊖

PLACEMENT CHART continued



continued



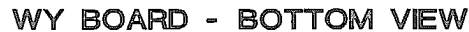
CH BOARD



UY BOARD - TOP VIEW



UY BOARD - BOTTOM VIEW



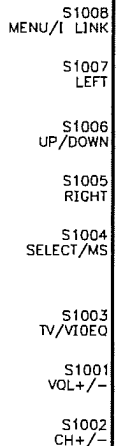
HBV BOARD



HAX BOARD



HBV BOARD



S1008
MENU/I LINK

S1007
LEFT

S1006
UP/DOWN

S1005
RIGHT

S1004
SELECT/MS

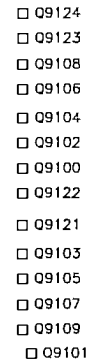
S1003
TV/VIDEO

S1001
VOL+/-

S1002
CH+/-



WY BOARD - TOP VIEW



WY BOARD - BOTTOM VIEW

(1) LOCATED ON OTHER SIDE OF BOARD

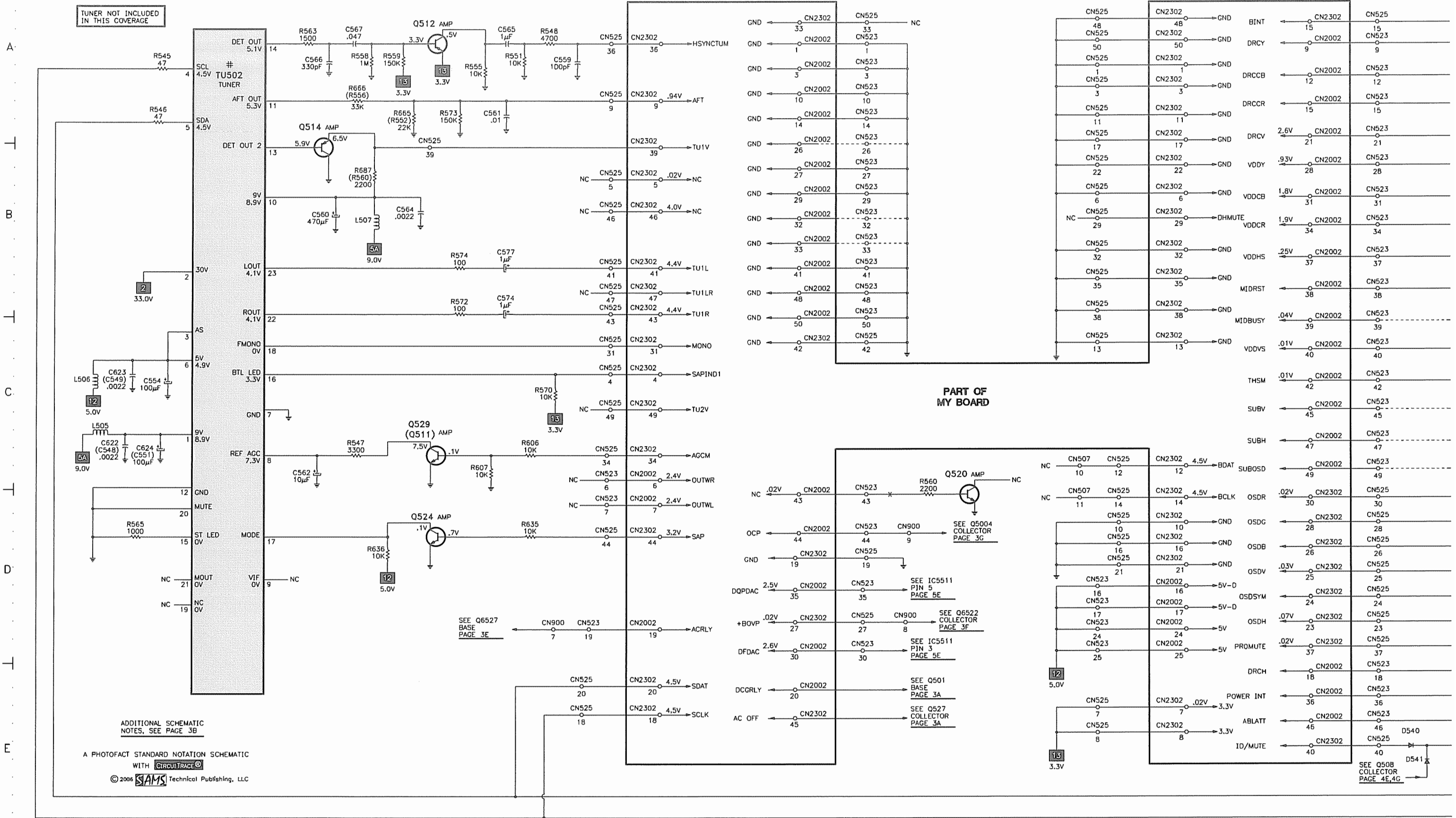
SONY

MODEL KV-36HS420 (CHASSIS SCC-S66T-A)

A

TELEVISION SCHEMATIC

B



A

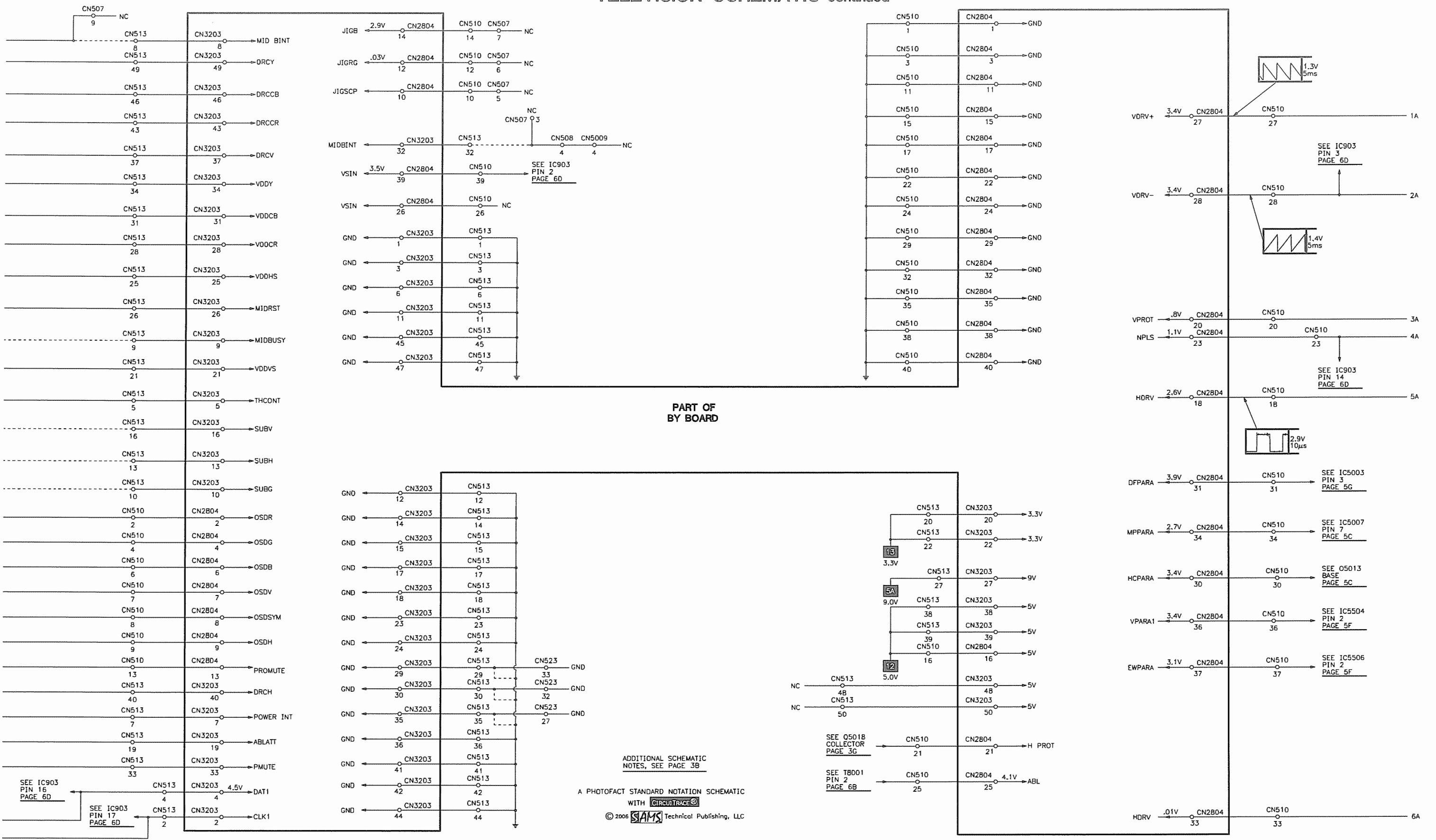
B

C

D

E

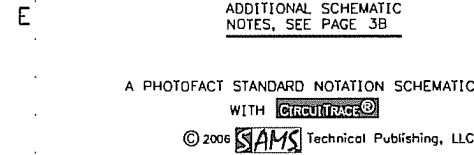
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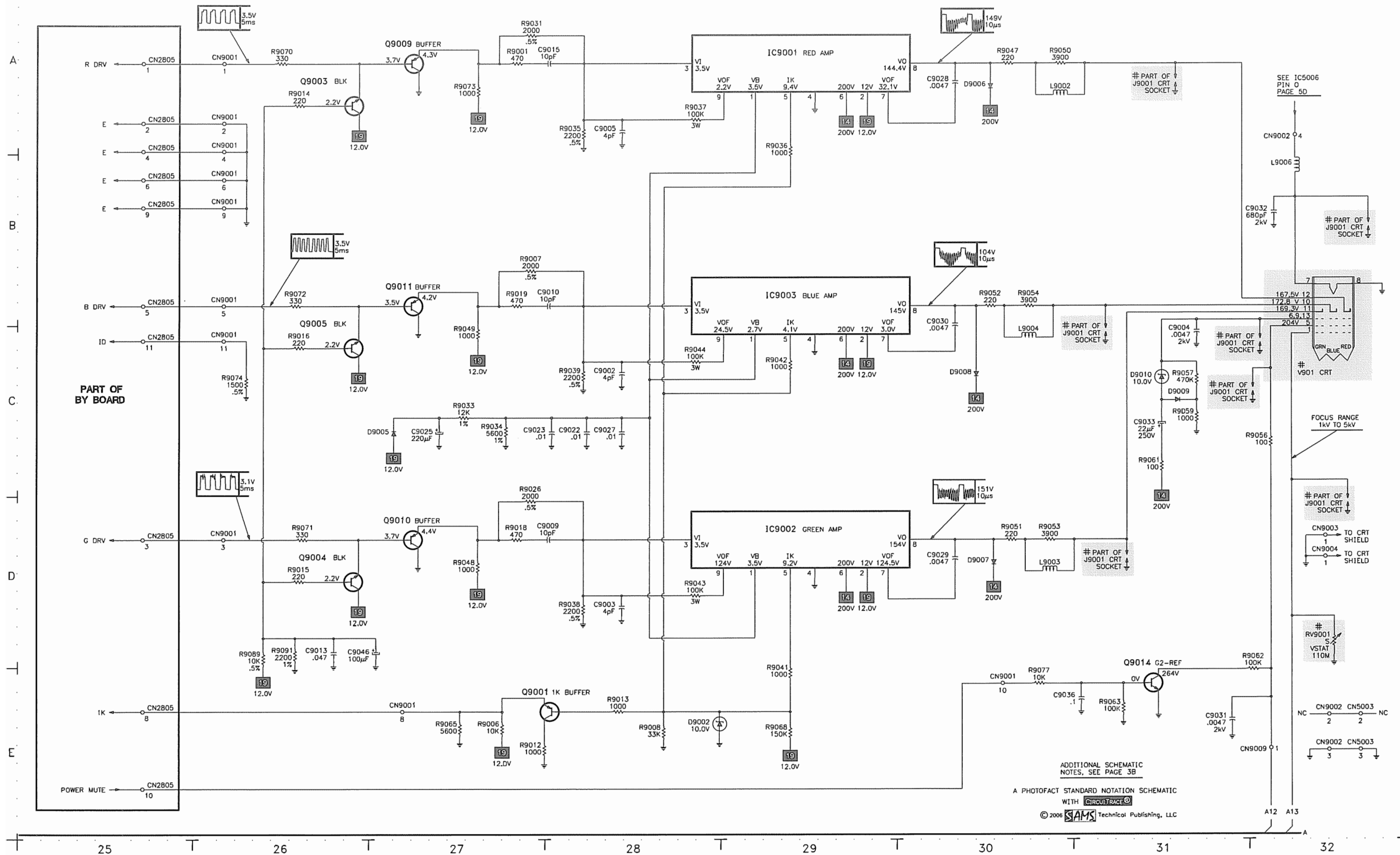
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F



CRT SCHEMATIC



A.



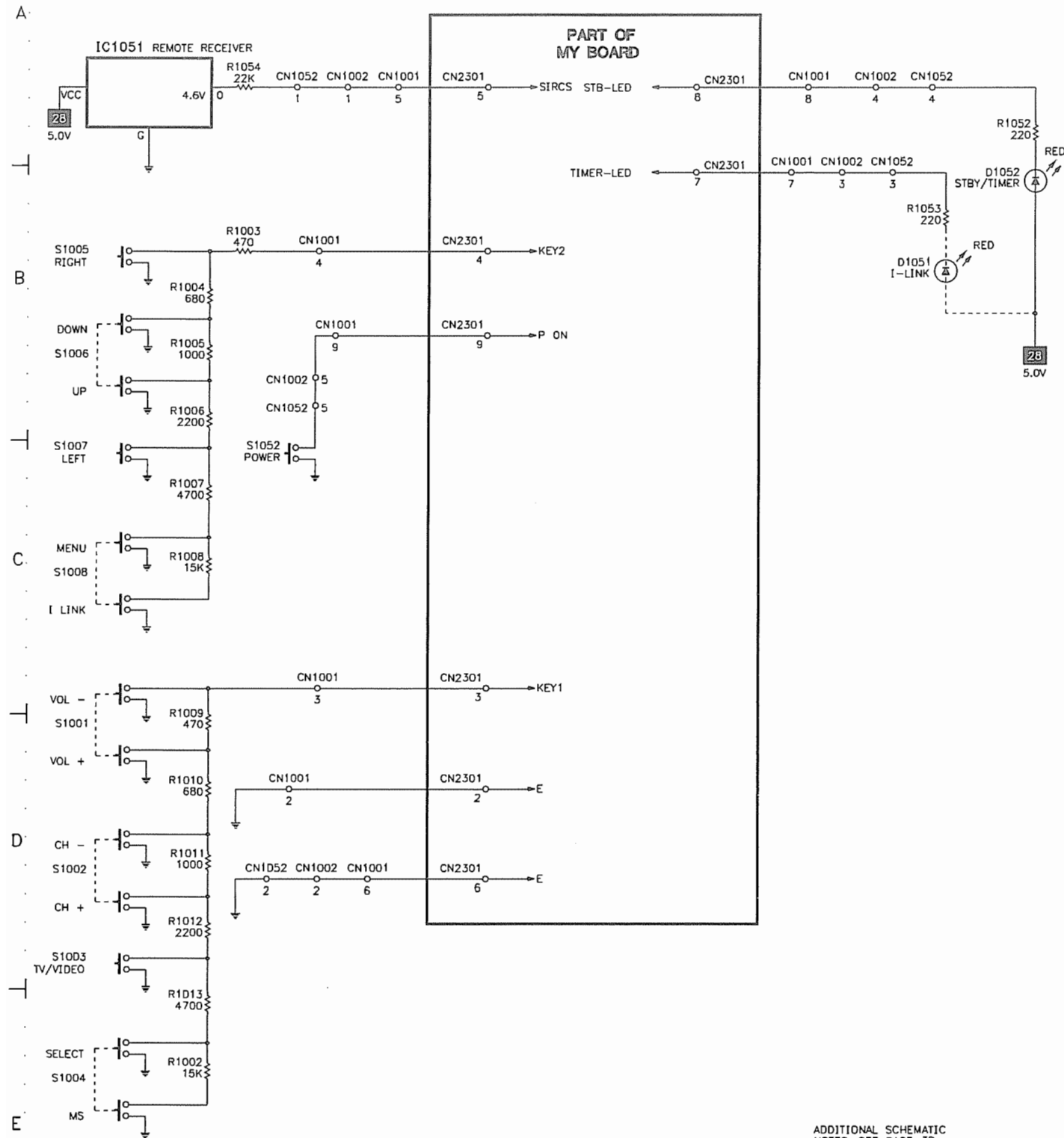
SCHEMATIC NOTES

For SAFETY use only equivalent replacement port, see ports list.

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

C

KEYBOARD SCHEMATIC

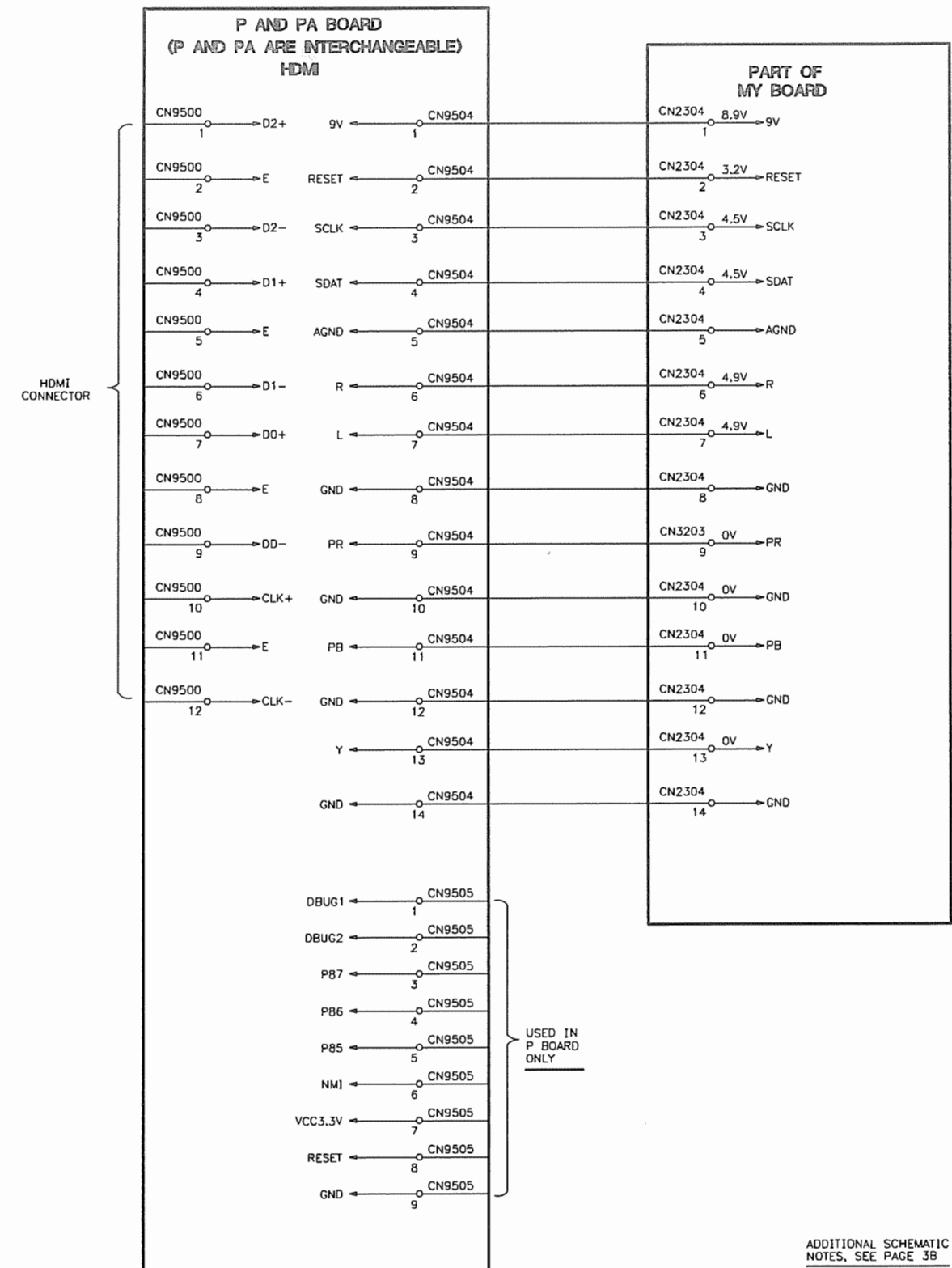


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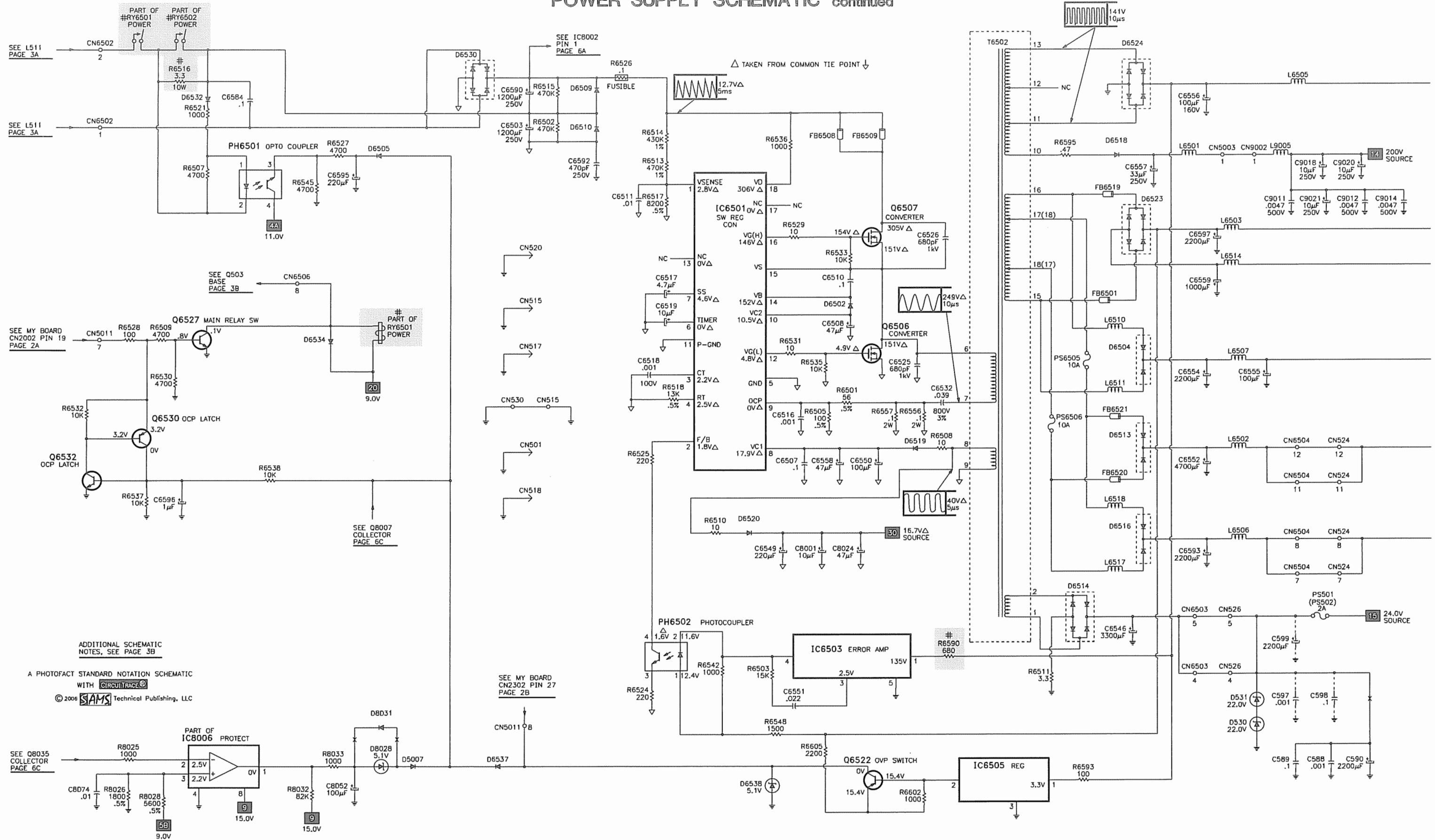
HDMI SCHEMATIC



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POWER SUPPLY SCHEMATIC continued



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SEE MY BOARD CN2302 PIN 27 PAGE 2B

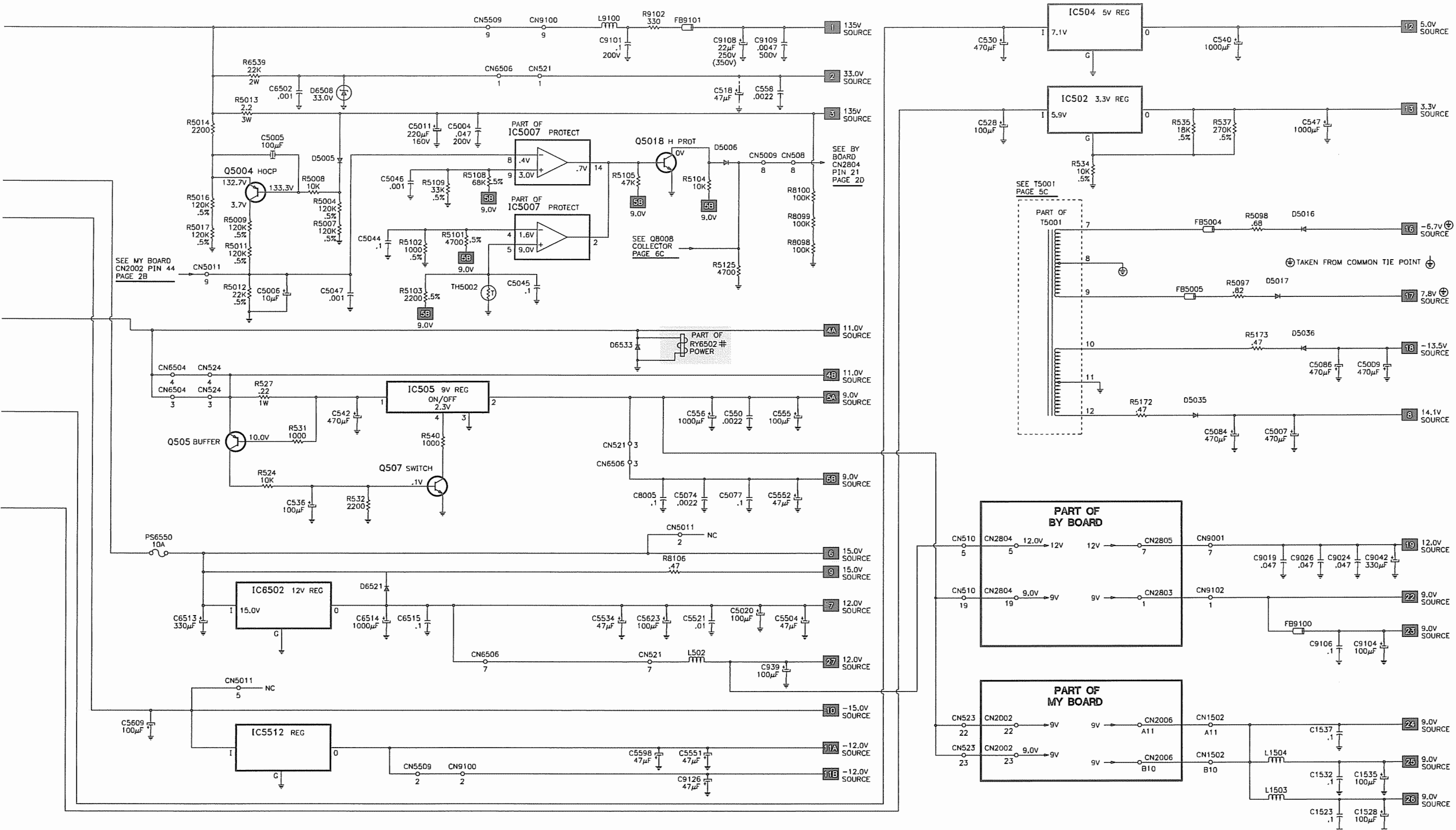
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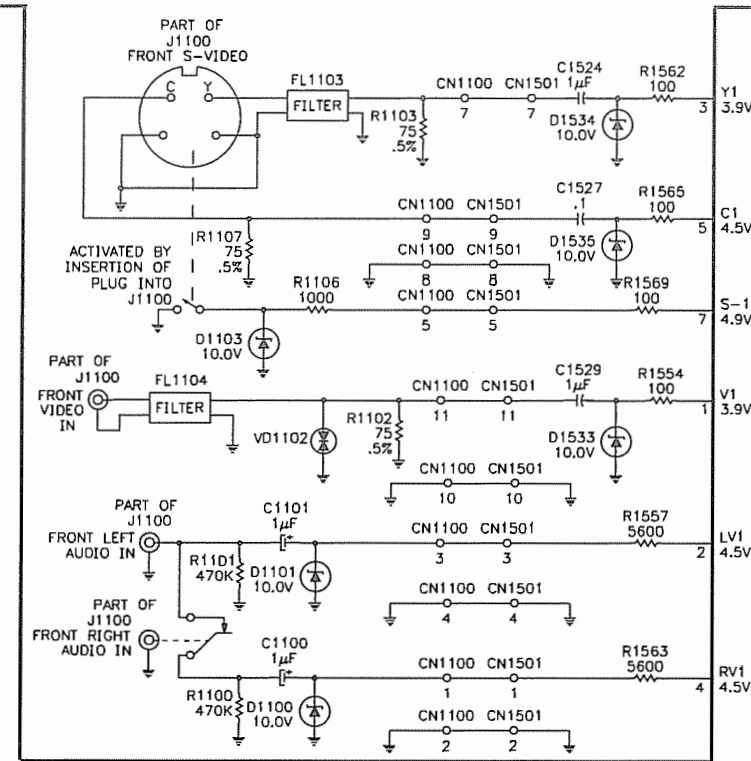
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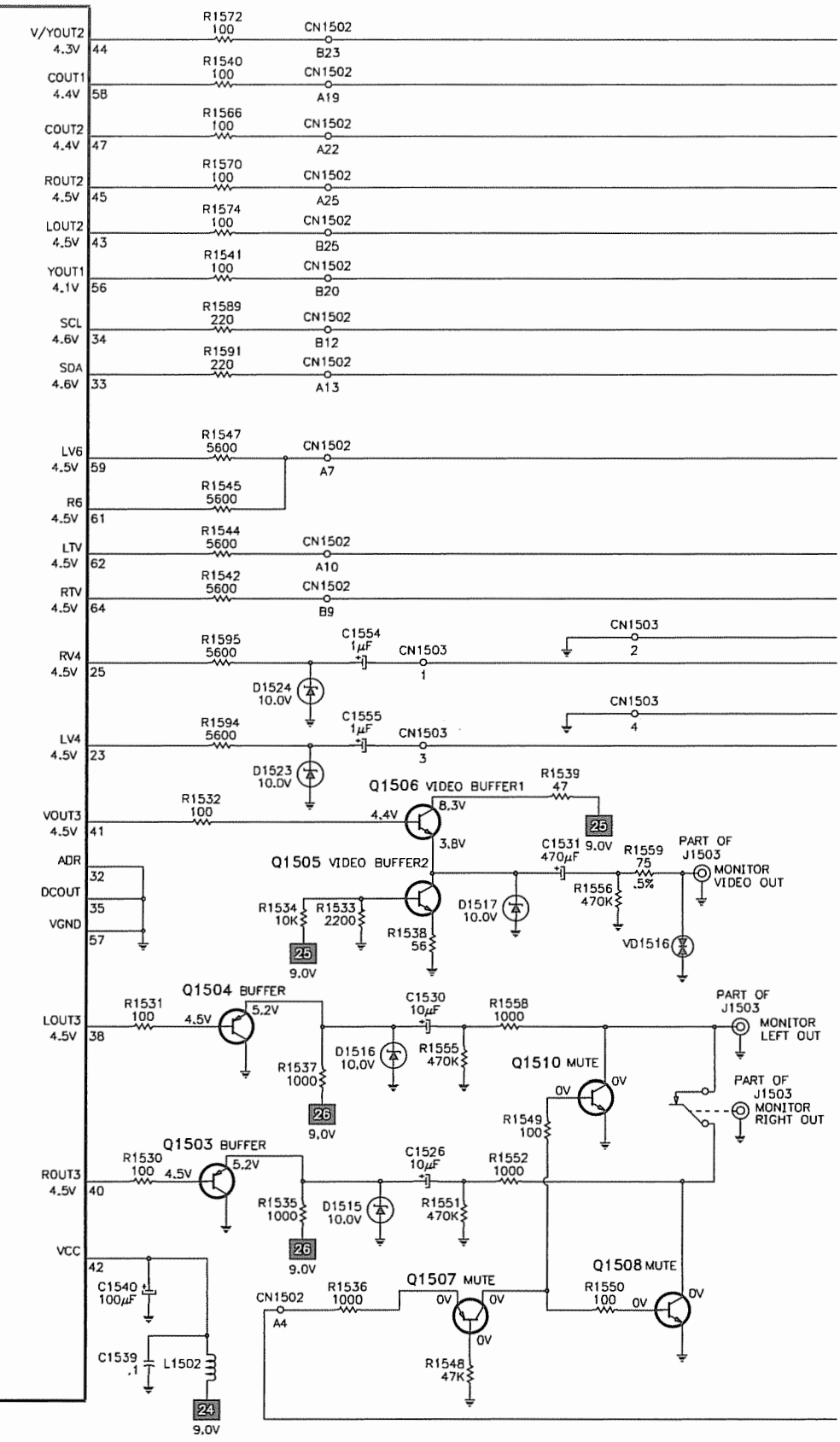
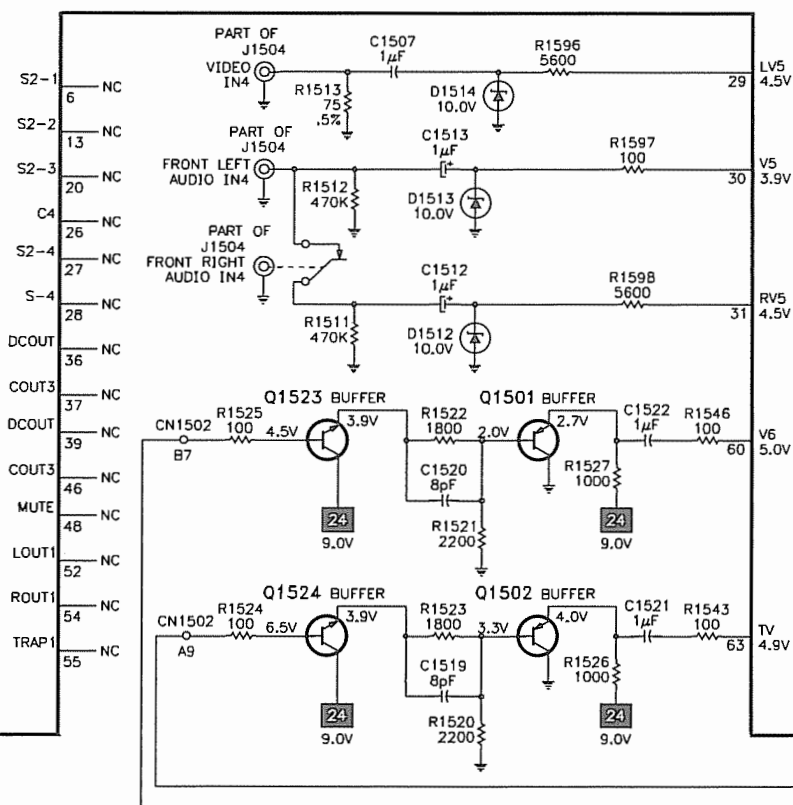
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SONY
MODEL KV-36HS420 (CHASSIS SCC-S66T-A)



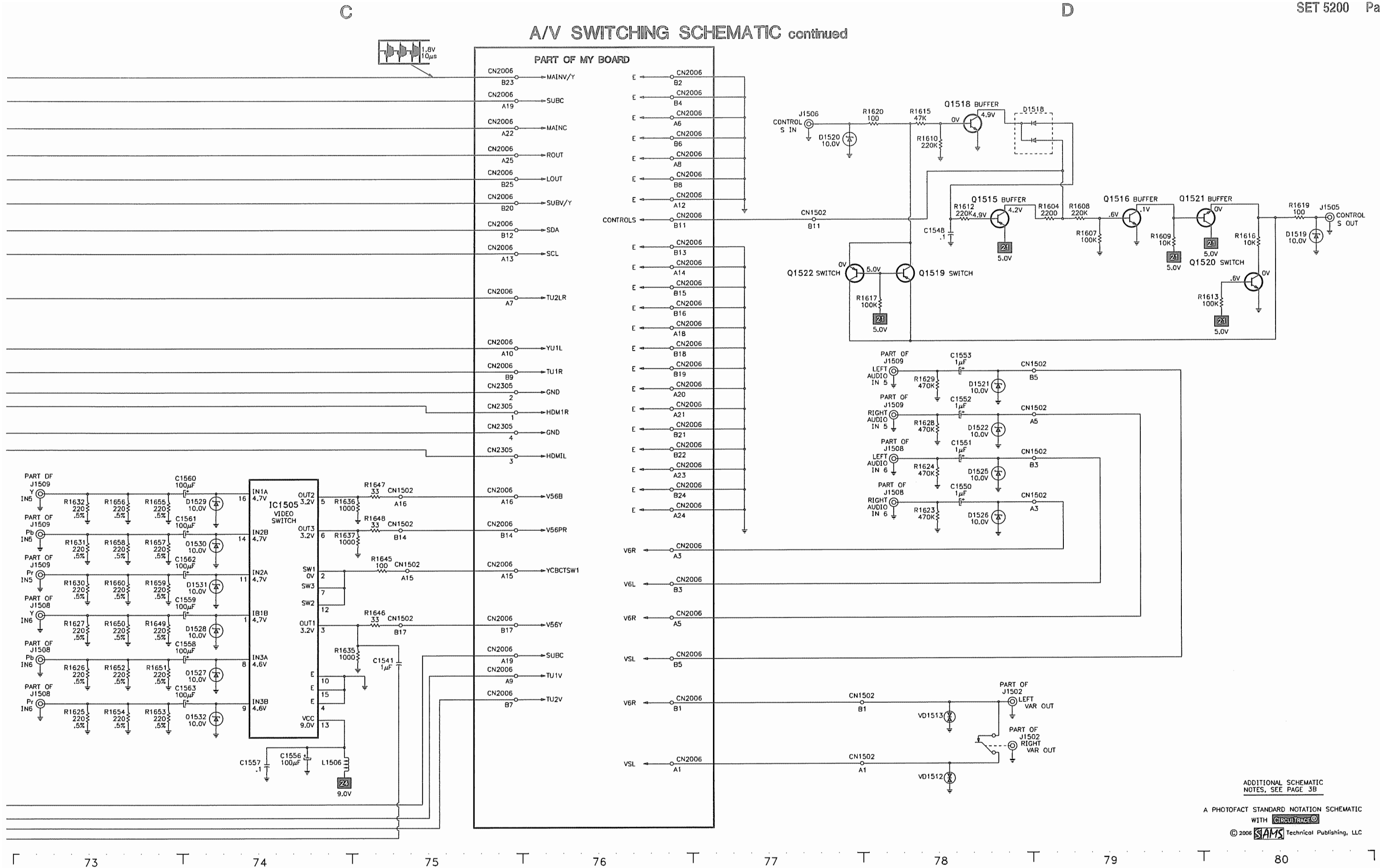


IC1502
A/V
SWITCH



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A/V SWITCHING SCHEMATIC continued

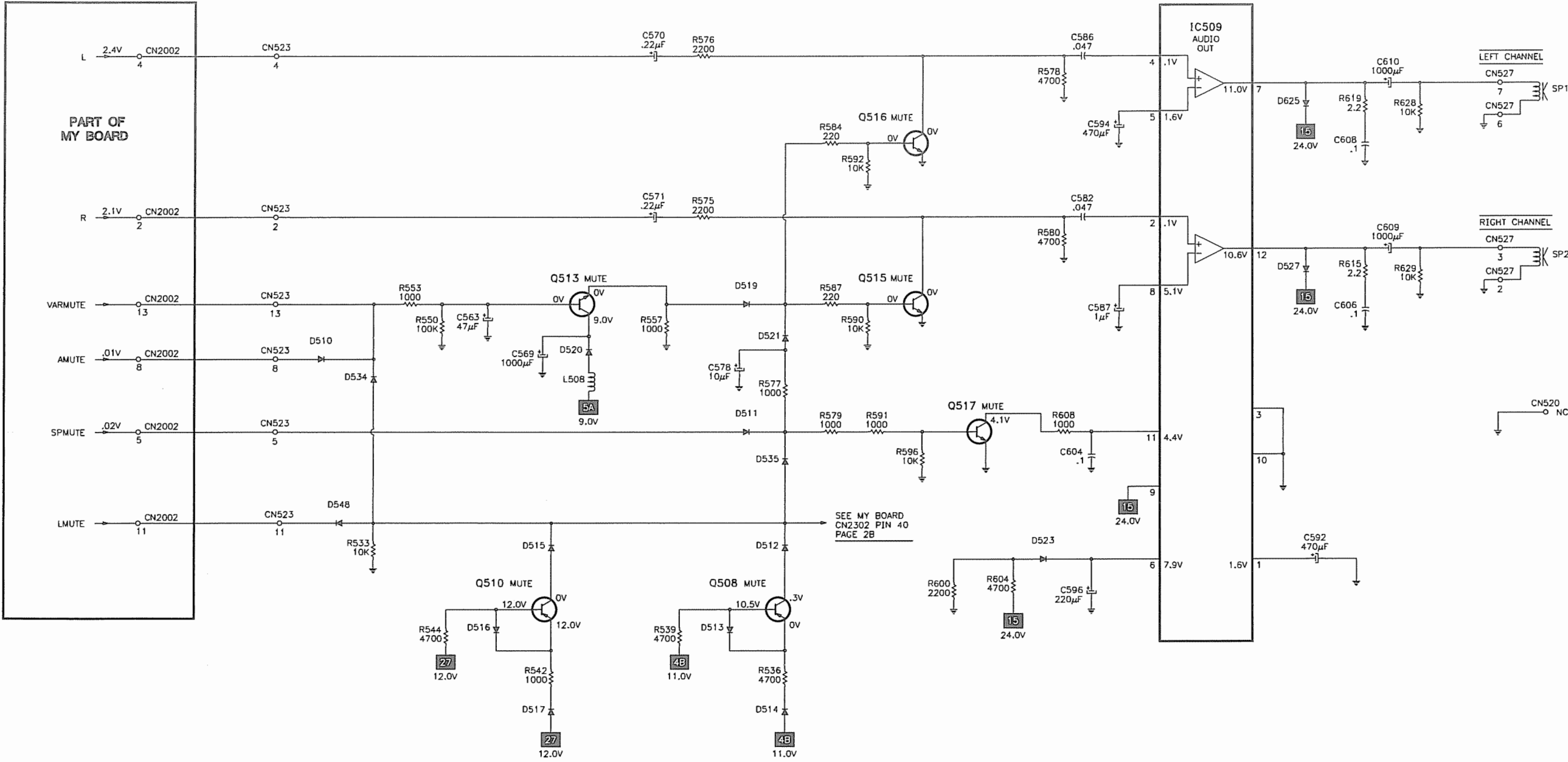


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
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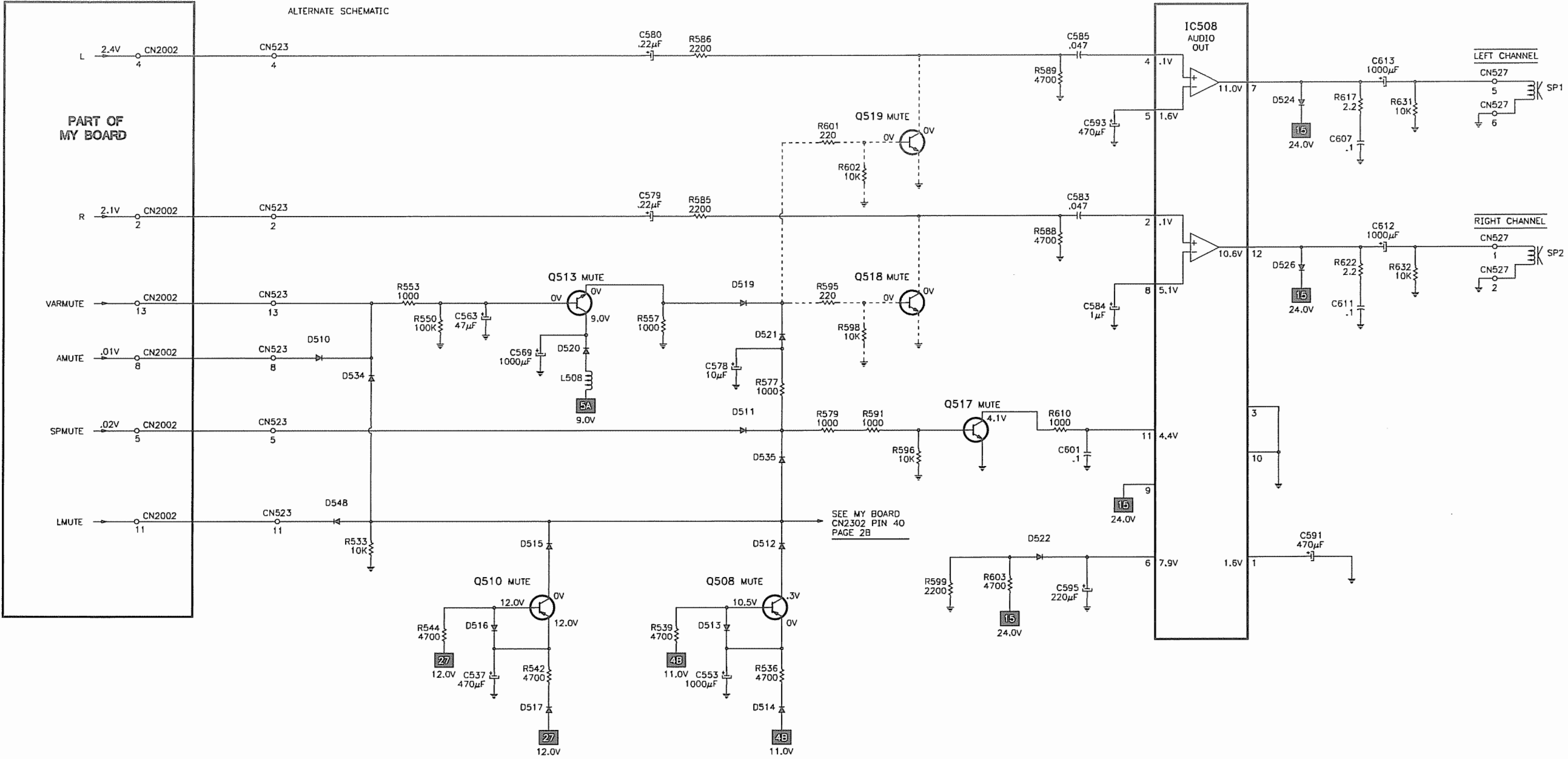
AUDIO SCHEMATIC





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AUDIO SCHEMATIC



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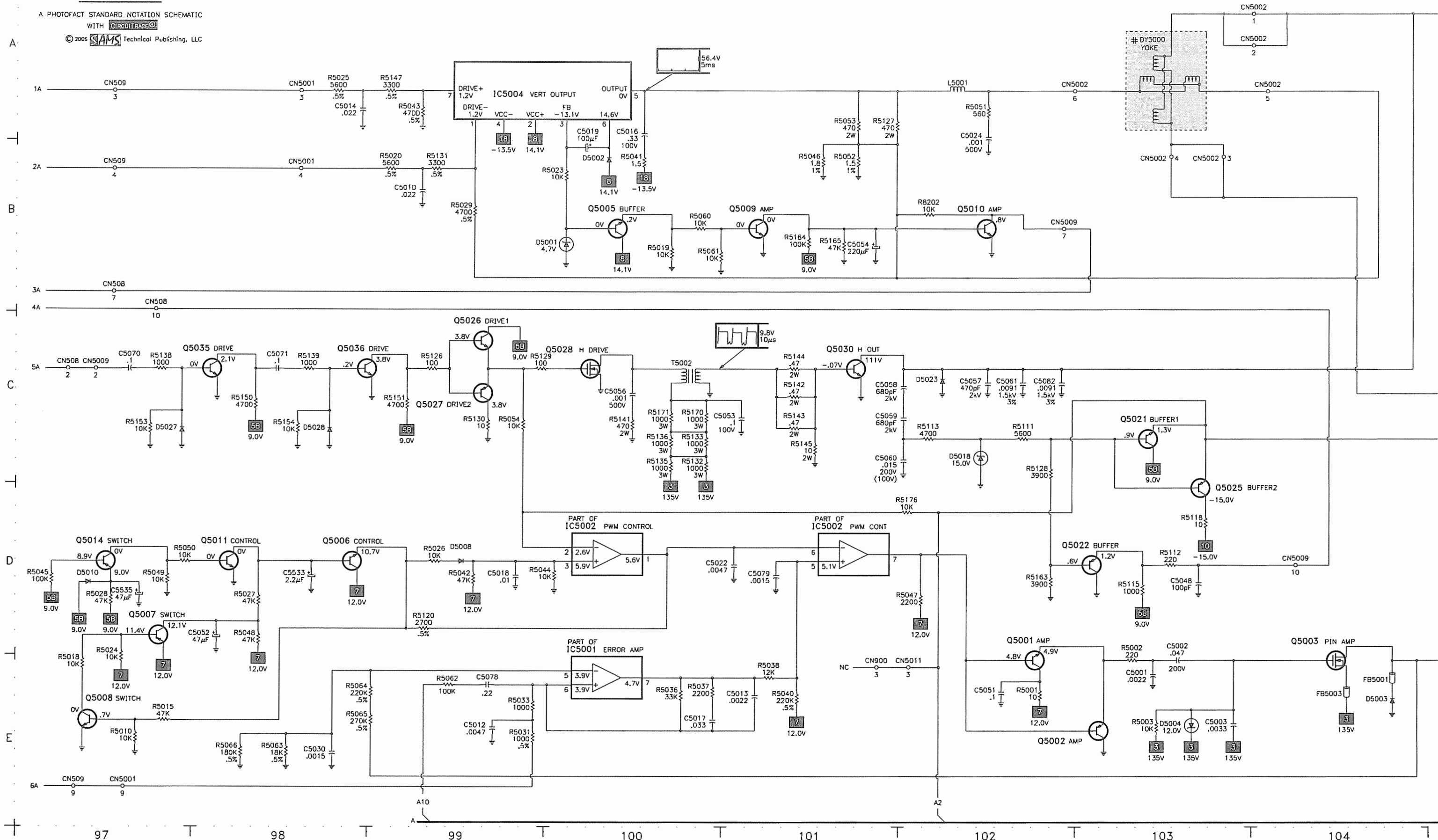
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B

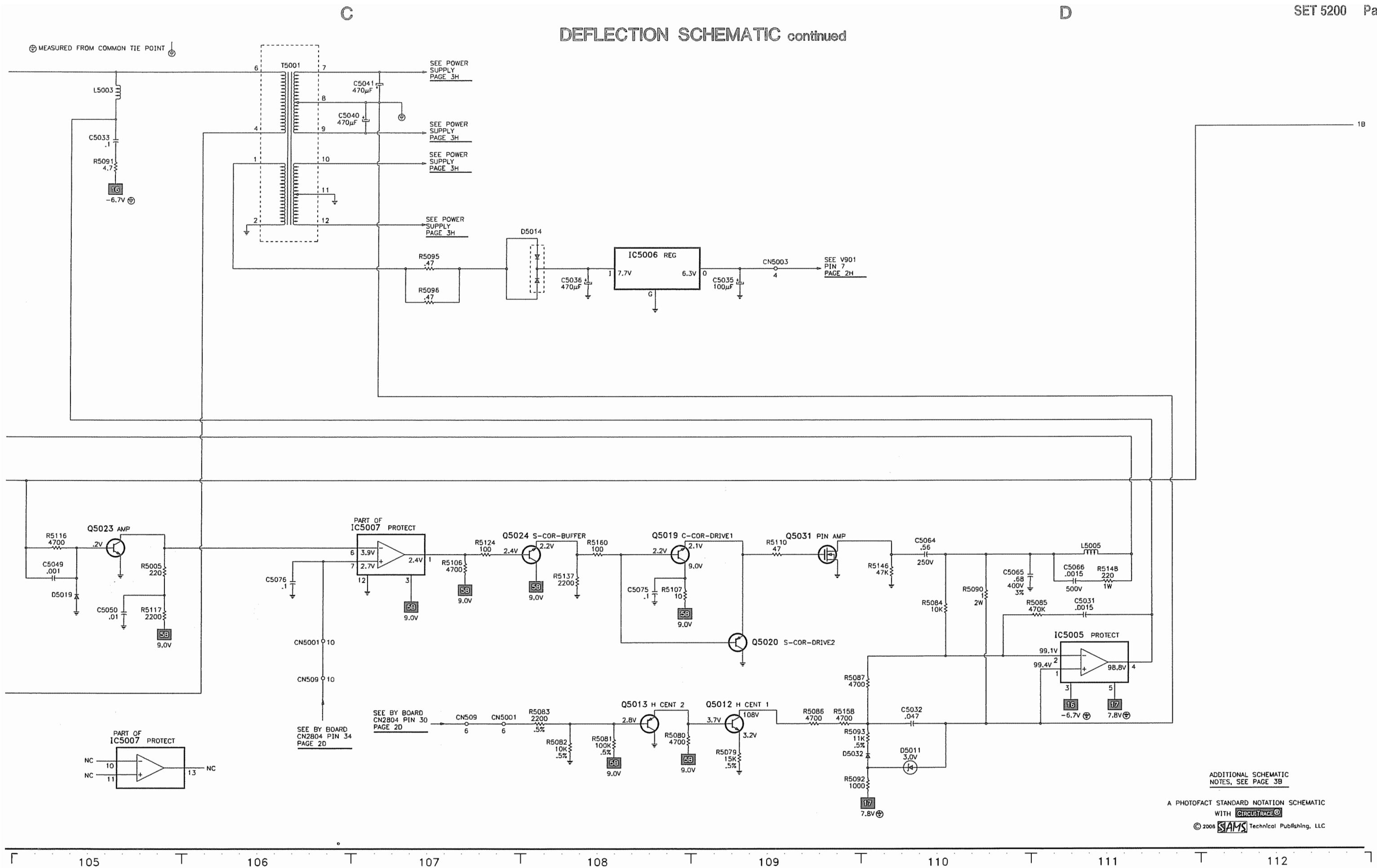
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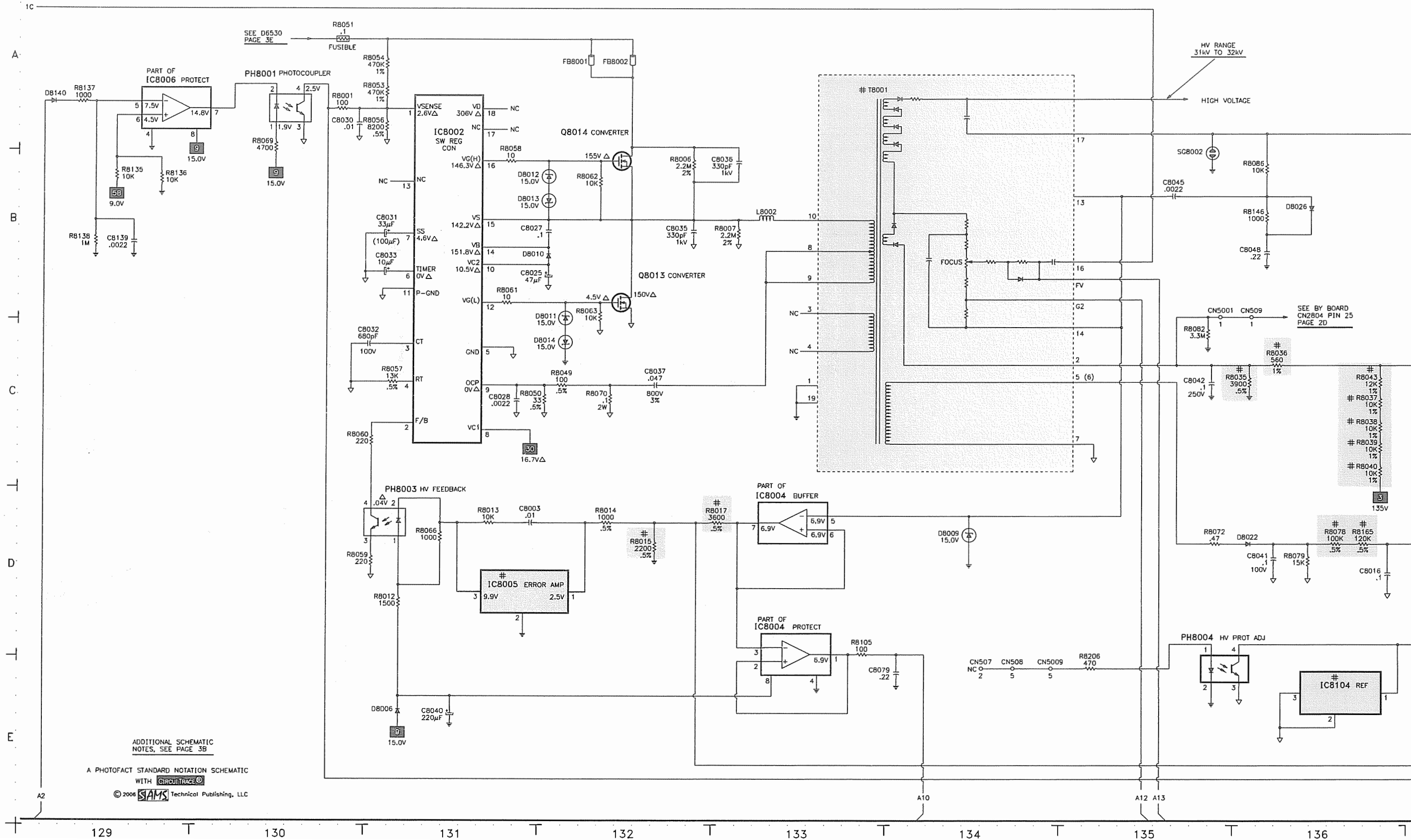
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SONY

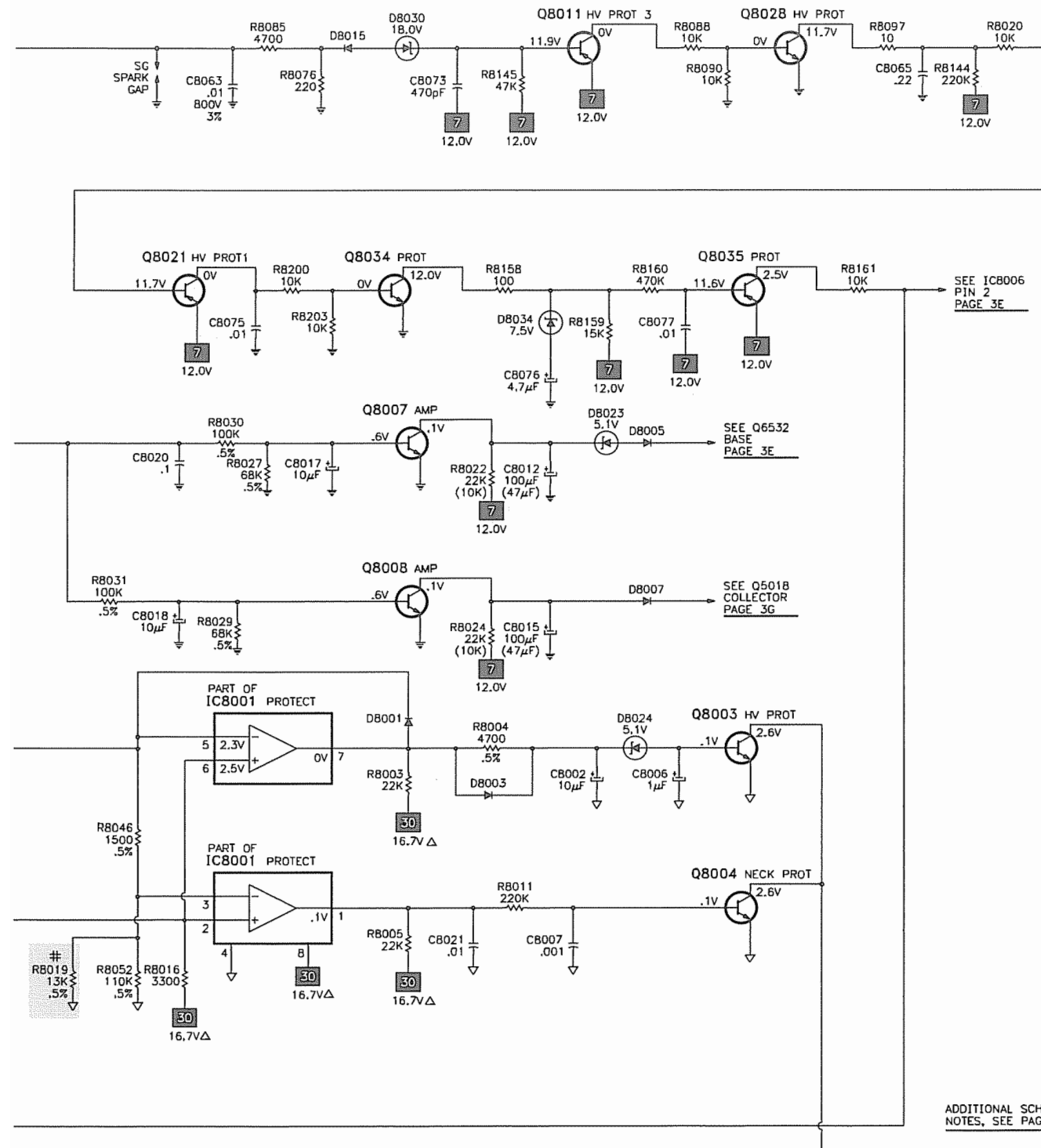
MODEL KV-36HS420 (CHASSIS SCC-S66T-A)



DEFLECTION SCHEMATIC continued



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DEFLECTION SCHEMATIC continued

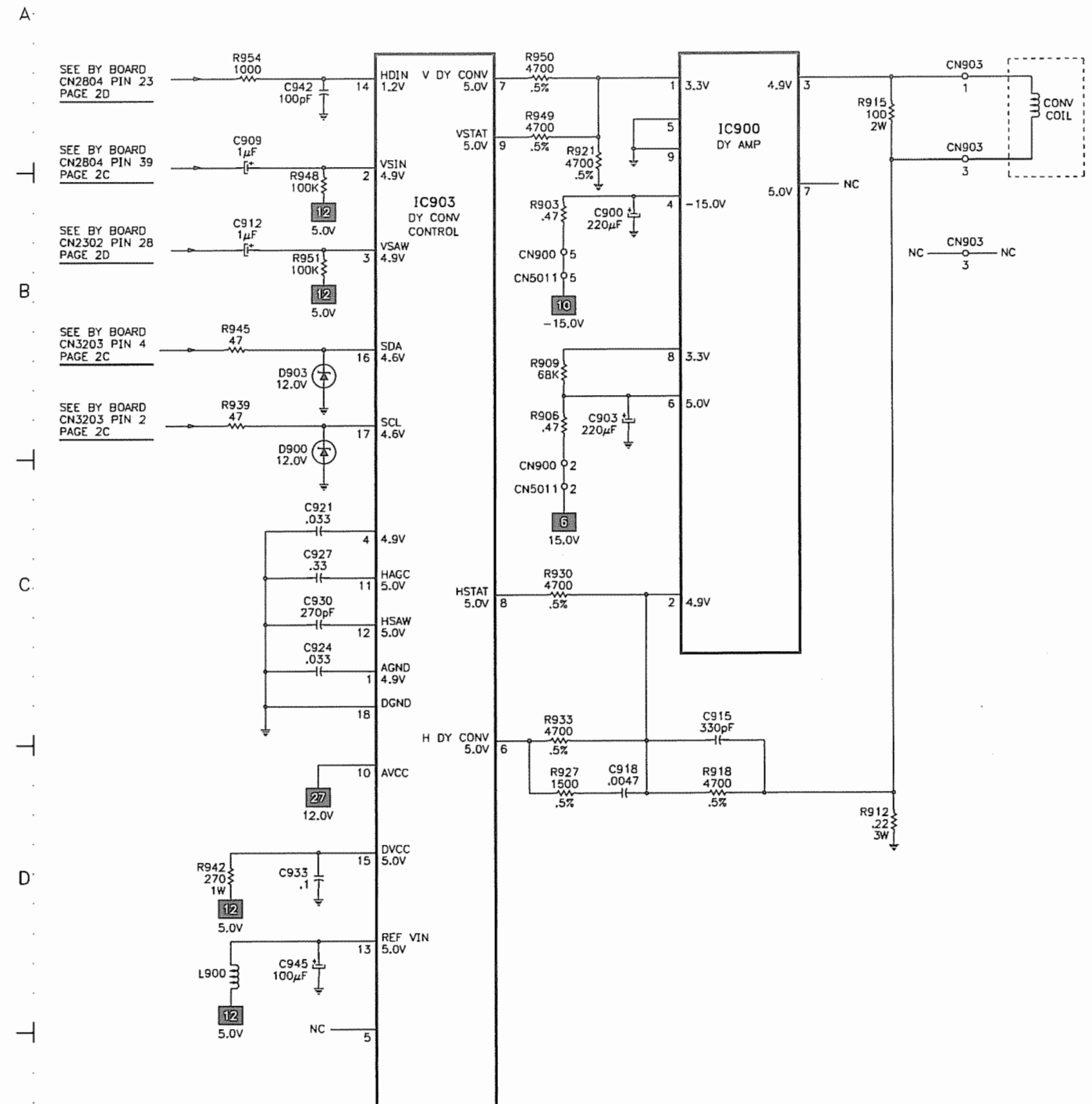


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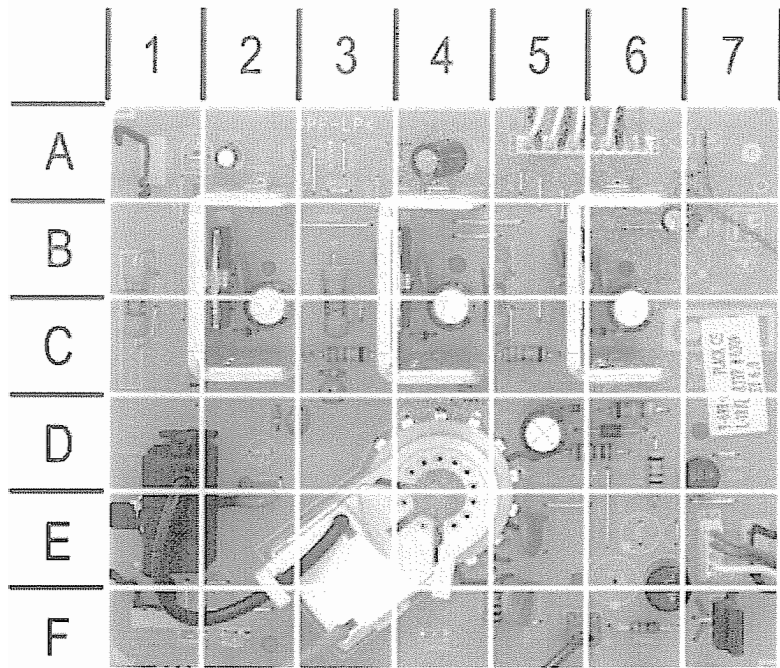
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SCHEMATIC COMPONENT LOCATION GUIDE

C501	C33	C1501	D65	C5054	B101	C8006	D139	C9126	E60	D5003	E104	FB6520	C55	L508	C83	Q5006	D98	R513	C37	R921	B142	R1571	B66	R5028	D97	R5146	D110	R6508	C54	R8086	B136	R9074	C26
C503	A34	C1502	C66	C5056	C100	C8007	E138	C9127	C21	D5004	E103	FB6521	C55	L508	C91	Q5007	D97	R515	C37	R927	D142	R1572	A71	R5029	B99	R5147	A99	R6509	C49	R8088	B139	R9077	E30
C504	E34	C1503	C66	C5057	C102	C8012	C138	C9128	D19	D5005	B58	FB8001	A132	L510	A34	Q5008	E97	R516	C37	R930	C142	R1573	D66	R5031	E99	R5148	D111	R6510	D53	R8089	B123	R9089	D26
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C542	C58	C1524	A69	C5082	C102	C8036	B133	D513	D84	D5036	C63	IC1505	D74	L6505	A56	Q5026	C99	R542	D91	R1008	C41	R1589	B71	R5051	A102	R5503	D126	R6531	C53	R8111	B125	R9115	B20
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C550	C60	C1526	E71	C5086	C64	C8040	E131	D514	D84	D5502	C116	IC5002	D100	L6507	C55	Q5028	C100	R544	D91	R1010	D41	R1591	B71	R5053	B101	R5506	A115	R6533	B53	R8113	C121	R9117	B20
C553	D92	C1527	A69	C5502	E118	C8041	D136	D514	D92	D5504	D116	IC5002	D101	L6510	C55	Q5030	C101	R545	A1	R1011	D41	R1592	A66	R5054	C99	R5507	D126	R6535	C53	R8114	B125	R9118	B21
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C555	C61	C1529	B69	C5505	D127	C8045	B135	D515	C91	D5508	D116	IC5004	A99	L6514	B55	Q5035	C98	R547	C2	R1013	E41	R1594	C71	R5061	B100	R5510	C114	R6537	C49	R8116	C125	R9120	C23
C556	C60	C1530	D71	C5506	C114	C8046	A126	D516	D83	D5511	E114	IC5005	D111	L6517	D55	Q5036	C98	R548	A3	R1052	A44	R1595	C71	R5062	E99	R5512	C116	R6538	C50	R8117	B122	R9121	C23
C558	A60	C1531	D72	C5511	D114	C8047	B126	D516	D91	D5512	A115	IC5006	B108	L6518	D55	Q5031	C116	R550	B83	R1053	B44	R1596	C69	R5063	E98	R5513	C114	R6539	A58	R8118	B122	R9122	C23
C559	A4	C1532	E64	C5512	D116	C8048	B136	D517	D83	D5513	D126	IC5007	B59	L8002	B133	Q5502	C116	R550	B91	R1054	A41	R1597	D69	R5064	E98	R5518	E115	R6542	D53	R8119	C125	R9123	A23
C560	B2	C1533	A67	C5513	D116	C8050	E124	D517	D91	D5514	B118	IC5007	B59	L8005	A124	Q5503	C114	R551	A3	R1055	D38	R1598	D69	R5065	E98	R5519	A115	R6545	B50	R8123	A122	R9124	B23
C561	A3	C1534	B67	C5514	A116	C8051	C122	D519	B84	D5515	D126	IC5007	D107	L9002	A30	Q5504	D117	R553	B82	R1100	C68	R1600	C67	R5066	E98	R5520	B115	R6548	E53	R8124	A122	R9125	A23
C562	C2	C1535	E64	C5515	D116	C8052	E51	D519	B92	D6502	B53	IC5007	E105	L9003	D30	Q5505	D117	R553	B90	R1101	B68	R1604	B79	R5068	D123	R5521	C114	R6556	C54	R8125	A122	R9126	B22
C563	B83	C1536	B67	C5516	A117	C8053	A124	D520	C83	D6504	C55	IC5502	A118	L9004	C30	Q5506	B114	R555	A3	R1102	B69	R1607	B79	R5069	D123	R5522	D117	R6557	C54	R8126	A123	R9127	A22
C563	B91	C1537	E64	C5517	B119	C8054	A124	D520	C91	D6505	B51	IC5502	B115	L9005	B56	Q5507	B117	R557	B84	R1103	A69	R1608	B79	R5070	E123	R5523	A116	R6590	D54	R8135	B129	R9128	A23
C564	B3	C1538	B66	C5518	B114	C8055	A125	D521	B84	D6508	B58	IC5502	B118	L9006	B32	Q5510	D114	R557	B92	R1106	B69	R1609	B79	R5071	E123	R5524	A117	R6593	E55	R8136	B129	R9130	E19
C565	A3	C1539	E70	C5519	B114	C8056	B121	D521	B92	D6509	A52	IC5502	C115	L9100	A60	Q5512	C118	R558	A2	R1107	A68	R1610	A78	R5072	D127	R5525	D116	R6595	B54	R8137	A129	R9131	E19
C566	A2	C1540	E70	C5520	A117	C8058	A123	D522	C93	D6510	A52	IC5504	D118	P500	A33	Q5513	A114	R559	A3	R1501	E65	R1612	B78	R5073	D127	R5526	A117	R6602	E54	R8138	B129	R9132	D18
C567	A2	C1541	D75	C5521	D60	C8059	B122	D523	C85	D6513	C55	IC5506	D118	PH6501	B50	Q5568	B116	R560	D6	R1502	E65	R1613	B80	R5074	D125	R5527	C117	R6605	E53	R8144	B140	R9133	C19
C569	B83	C1545	D38	C5522	B114	C8060	C125	D524	A94	D6514	D55	IC5511	A116	PH6502	D52	Q5569	B117	R563	A2	R1503	C65	R1615	A78	R5076	D125	R5528	D126	R6601	A130	R8145	B138	R9134	E20
C569	B91	C1546	D38	C5523	E114	C8063	B137	D526	B94	D6516	D55	IC5511	D115	PH8001	A130	Q6506	C53	R565	D1	R1504	C65	R1616	B80	R5077	D125	R5529	C118	R8003	D138	R8146	B136	R9135	E20
C570	A83	C1548	B78	C5524	E116	C8065	B140	D527	B86	D6518	B55	IC5512	E58	PH8003	D131	Q6507	C13	R1505	C66	R1617	B78	R5078	D125	R5530	C118	R8004	D138	R8150	B121	R9138	C18		
C571	B83	C1550	C78	C5526	E115	C8073	B138	D530	E56	D6519	C54	IC5515	D126	PH8004	D135	Q6522	E53	R572	C3	R1506	D65	R1619	B80	R5079	E109	R5532	A114	R8005	E138	R8151	B121	R9139	D19
C574	C3	C1551	C78	C5527	B115	C8074	E49	D531	E56	D6520	D53	IC5515	D128	P5501	D56	Q6527	C50	R573	A3	R1507	D65	R1620	A77	R5080	E108	R5533	E118	R8006	B132	R8158	B138	R9141	D20
C577	B3	C1552	C78	C5528	B118	C8075	B137	D534	C82	D6521	D58	IC6501	B53	P56505	C55	Q6530	C49	R574	B3	R1508	B65	R1623	D78	R5081	E108	R5535	B115	R8007	B133	R8159	B138	R9142	E21
C578	C84	C1553	C78	C5529	A114	C8076	C138	D534	C90	D6523	B55	IC6502	D58	P56506	C54	Q6532	C49	R575	B84	R1509	A65	R1624	C78	R5082	E108	R5536	A115	R8011	D138	R8160	B139	R9143	C20
C578	C92	C1554	C71	C5530	C117	C8077	B139	D535	C84	D6524	A55	IC6503	D53	P56550	D57	Q8003	D139	R576	A84	R1510	A66	R1625	E73	R5083	E108	R5537	D117	R8012	D131	R8161	B139	R9144	

CH BOARD - TOP VIEW

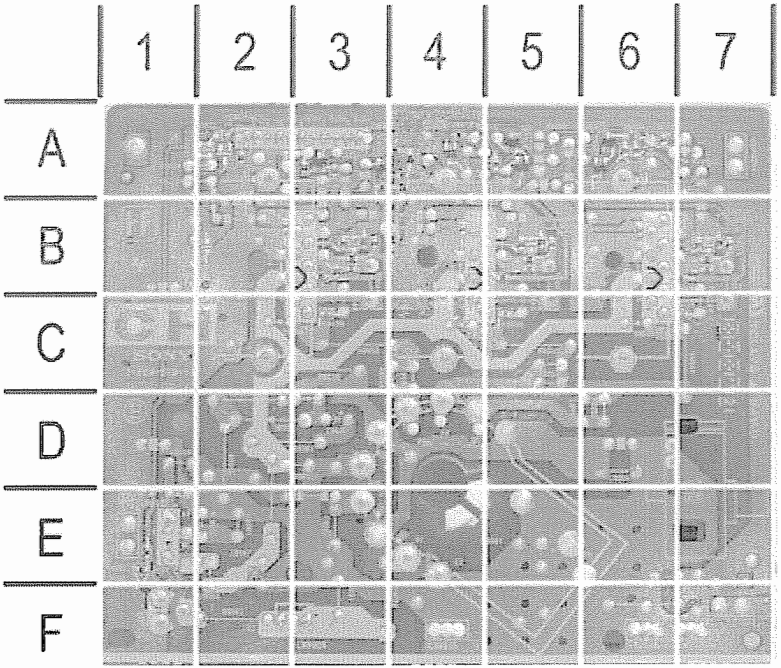


CH BOARD - TOP VIEW, GRIDTRACE LOCATION GUIDE

C9004	D2	CN9004	F2	R9034	A7
C9011	B4	CN9009	F5	R9037	C1
C9012	B2	D9006	C2	R9043	C3
C9014	B6	D9007	C4	R9044	B5
C9018	C2	D9008	C6	R9047	C1
C9020	C6	D9009	D6	R9051	C3
C9021	C4	D9010	D5	R9052	C5
C9022	B1	IC9001	B2	R9053	C3
C9023	B3	IC9002	B4	R9054	C4
C9025	B6	IC9003	B5	R9056	F5
C9027	B5	J9001	E3	R9057	D6
C9031	F5	L9002	D3	R9059	D6
C9032	E5	L9003	C3	R9061	D6
C9033	D5	L9004	C4	R9062	F6
C9042	A4	L9005	F6	R9070	A2
C9046	A2	L9006	D7	R9071	A4
CN9001	A5	Q9014	F7	R9091	A1
CN9002	E7	R9015	A4	RV9001	E1
CN9003	F1	R9033	A7		

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CH BOARD - BOTTOM VIEW

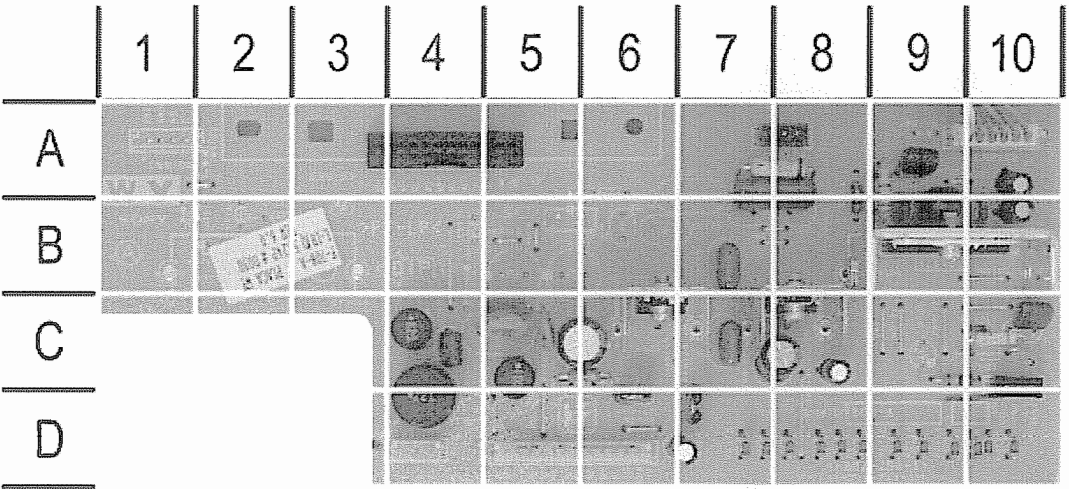


CH BOARD - BOTTOM VIEW, GRIDTRACE LOCATION GUIDE

C9002	B3	Q9004	A5	R9036	B7
C9003	B5	Q9005	A3	R9038	B5
C9005	B7	Q9009	A6	R9039	B3
C9009	B5	Q9010	A5	R9041	B5
C9010	B3	Q9011	A3	R9042	B3
C9013	A6	R9001	B6	R9048	A5
C9015	B6	R9006	A5	R9049	A3
C9019	B6	R9007	B3	R9050	D2
C9024	B2	R9008	B3	R9063	E1
C9026	B4	R9012	A4	R9065	A4
C9028	C7	R9013	A4	R9068	B4
C9029	C5	R9014	A6	R9072	A3
C9030	C3	R9016	A4	R9073	A6
C9036	E1	R9018	B5	R9074	A2
D9002	A4	R9019	B3	R9077	E1
D9005	B2	R9026	B5	R9089	A6
Q9001	A3	R9031	B6		
Q9003	A6	R9035	B7		

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WY BOARD - TOP VIEW

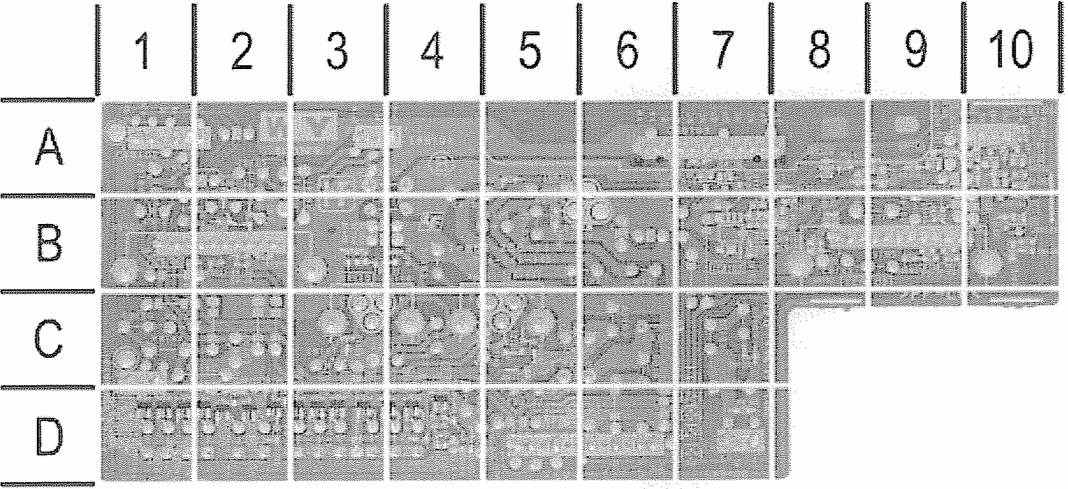


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WY BOARD - TOP VIEW, GRIDTRACE LOCATION GUIDE

C9101	C5	C9117	B7	CN9101	C10	L9100	C5	R9116	D9	R9142	C9
C9104	A7	C9120	C10	CN9102	A9	Q9110	C8	R9117	D7	R9143	A9
C9108	C6	C9121	B10	CN9103	A3	Q9111	C6	R9118	D10	R9144	C10
C9109	C5	C9125	A9	CN9104	A8	R9102	C6	R9119	D7	R9187	D8
C9111	C8	C9126	A10	CN9105	D4	R9112	D9	R9128	A8	R9188	D8
C9113	C7	C9127	B9	FB9100	D7	R9113	D8	R9133	B10	R9189	D10
C9114	C8	C9129	B9	FB9101	D6	R9114	D9	R9134	C10	R9190	D10
C9115	B7	CN9100	D6	IC9100	A9	R9115	D8	R9141	A8		

WY BOARD - BOTTOM VIEW



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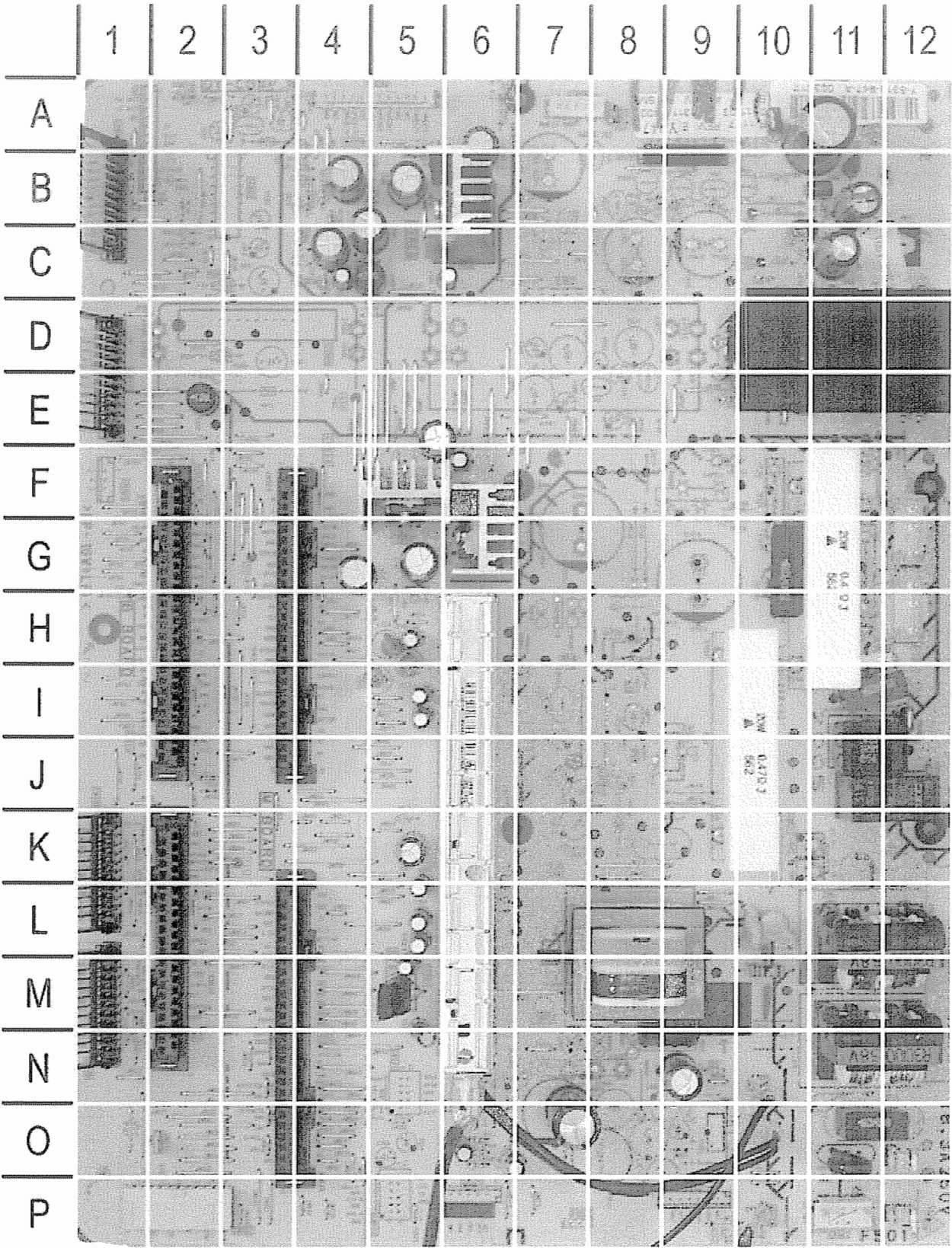
WY BOARD - BOTTOM VIEW, GRIDTRACE LOCATION GUIDE

C9105	D4	Q9100	D2	Q9108	D1	R9104	D2	R9120	B3	R9130	B2
C9106	D4	Q9101	D4	Q9109	D4	R9105	D4	R9121	B3	R9131	B2
C9110	D2	Q9102	D2	Q9121	D3	R9106	D4	R9122	B4	R9132	B2
C9112	C3	Q9103	D3	Q9122	D3	R9107	D4	R9123	C5	R9135	B2
C9116	B3	Q9104	D2	Q9123	D1	R9108	D2	R9124	C5	R9138	B2
C9118	B2	Q9105	D3	Q9124	D1	R9109	D2	R9125	C5	R9139	B2
C9128	B2	Q9106	D2	R9101	D4	R9110	D2	R9126	B3	R9145	B2
C9144	D4	Q9107	D4	R9103	D2	R9111	D4	R9127	C5	R9150	A2

SONY

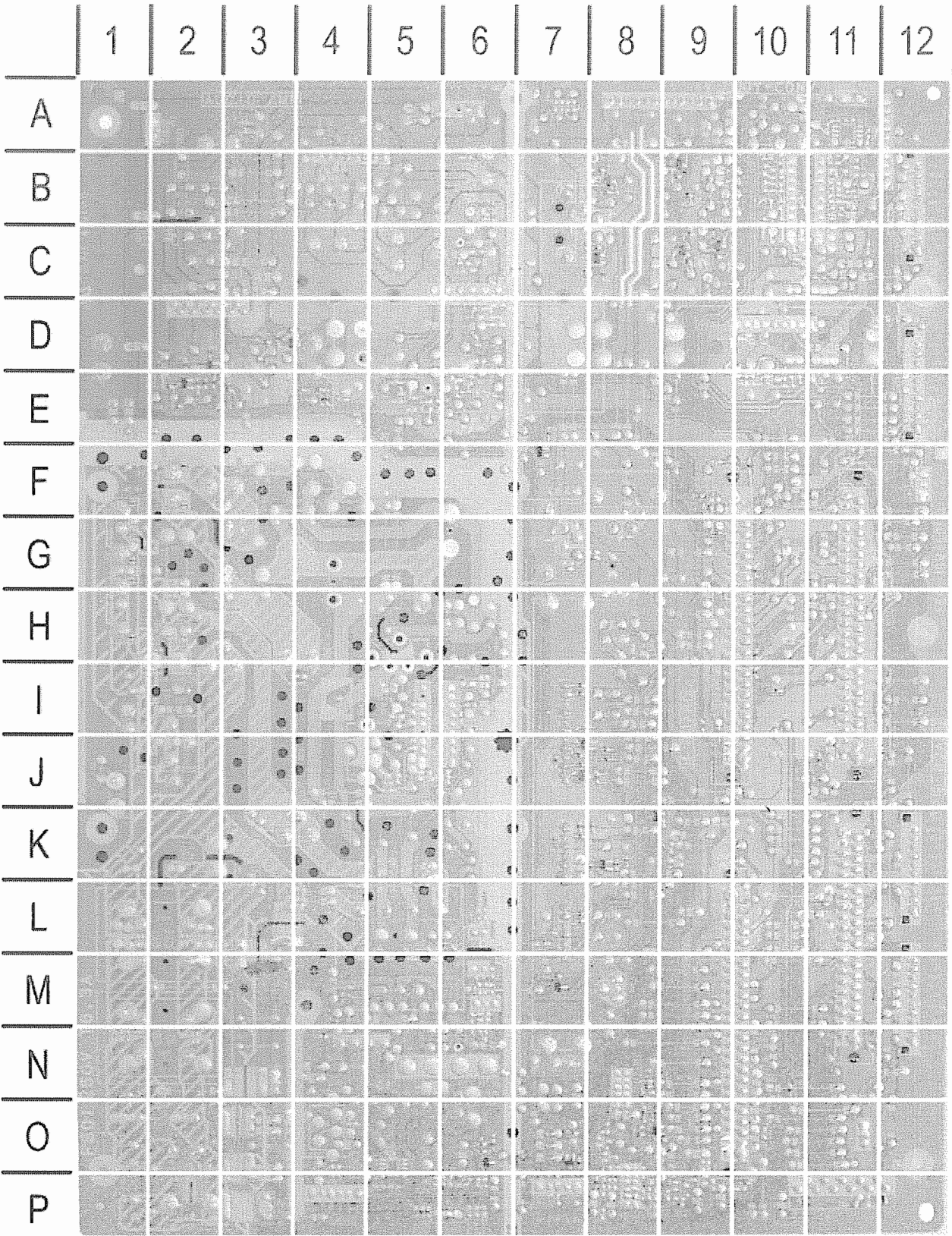
MODEL KV-36HS420 (CHASSIS SCC-S66T-A)

AY BOARD - TOP VIEW



AY BOARD - TOP VIEW, GRIDTRACE LOCATION GUIDE							
C501	I11	C589	A10	CN530	N6	FB502	I12
C503	O11	C590	A11	CN900	C1	IC501	M5
C504	O6	C592	D12	D501	O6	IC502	G6
C505	L10	C594	D10	D502	J12	IC504	F5
C506	N9	C596	E10	D503	N9	IC505	B6
C507	O7	C606	C10	D504	N9	IC509	C11
C508	L10	C608	B11	D505	N9	L502	E2
C512	G10	C609	C11	D508	O6	L505	I5
C513	O7	C610	B11	D509	O6	L506	H5
C514	N5	C624	L5	D510	B3	L507	I5
C515	M5	CN501	N10	D511	B4	L508	C5
C528	F6	CN503	P11	D512	C4	L510	N11
C530	E5	CN504	H12	D513	B4	L511	M11
C536	C6	CN505	F12	D514	B4	PS501	B11
C540	G4	CN506	H11	D515	A4	R507	N7
C542	A6	CN507	P2	D516	B5	R508	M10
C547	G5	CN508	N1	D517	A4	R509	G11
C554	L5	CN509	L1	D519	B5	R510	J10
C555	H5	CN510	N2	D520	C4	R527	A5
C556	B5	CN513	J2	D521	E10	R615	C11
C560	K5	CN514	F11	D523	D11	R619	B11
C562	L5	CN515	H5	D527	C11	R628	B11
C563	C4	CN516	O10	D530	A8	R629	C10
C569	B4	CN517	O2	D531	A8	RY501	J12
C570	D10	CN518	P10	D534	B4	T502	M8
C571	D11	CN520	B12	D535	B4	TH501	J11
C574	I5	CN521	E1	D540	J2	TU502	K6
C577	I5	CN523	F3	D541	C4	VD501	O11
C578	D10	CN524	A4	D548	C4		
C582	E11	CN525	L3	D625	B11		
C586	D11	CN526	A7	F501	P12		
C587	D10	CN527	B8	FB500	H11		

AY BOARD - BOTTOM VIEW



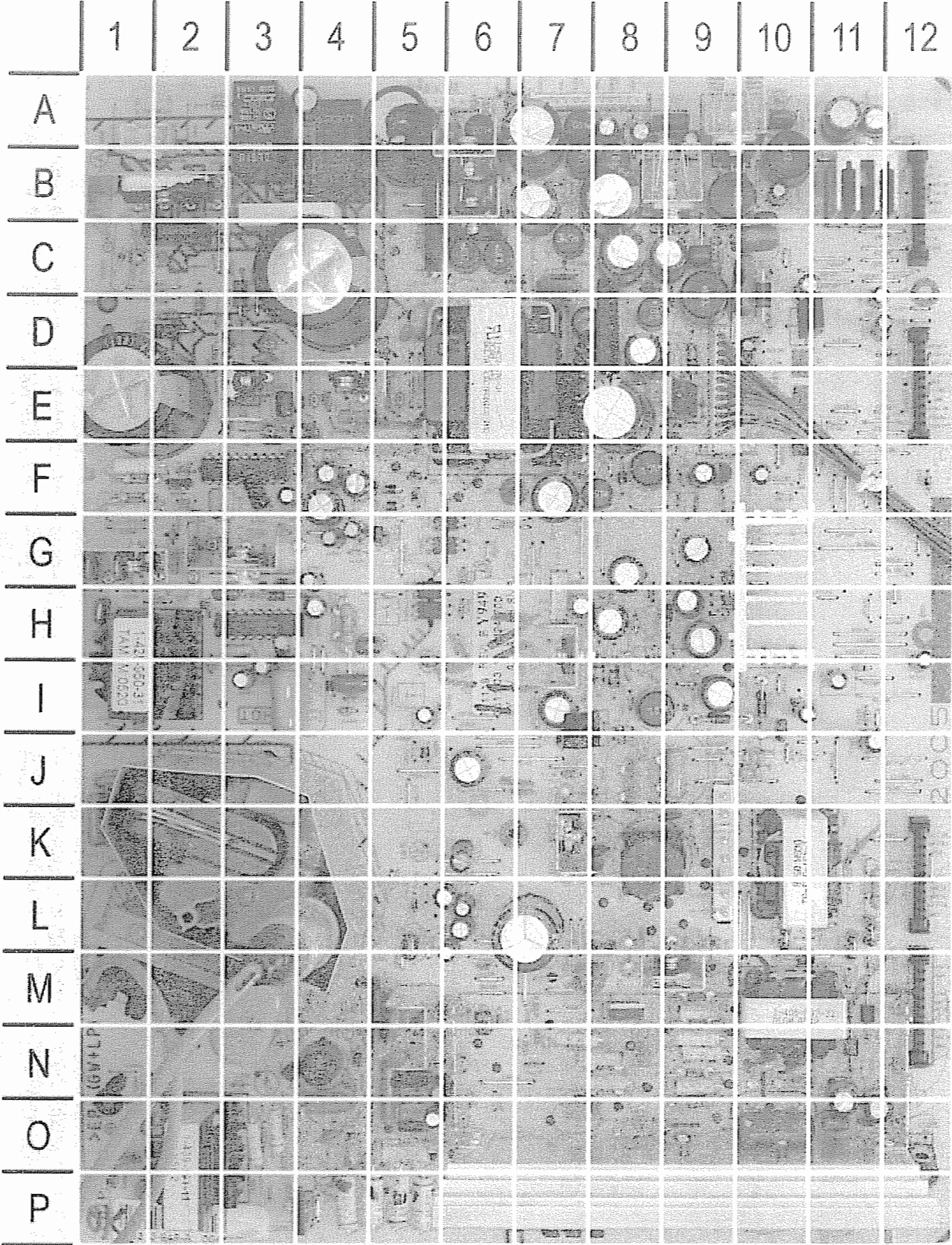
AY BOARD - BOTTOM VIEW, GRIDTRACE LOCATION GUIDE							
C550	H8	Q516	D2	R540	C8	R577	E4
C558	L7	Q517	D3	R542	B9	R578	D2
C559	N8	Q520	K8	R544	A9	R579	E4
C561	K8	Q524	J7	R545	L7	R580	E2
C564	K7	Q527	M7	R546	L7	R584	E2
C565	O8	Q529	K7	R547	K8	R587	E2
C566	O8	R504	E7	R548	N8	R590	E2
C567	O8	R505	O7	R550	C9	R591	E4
C588	A3	R506	O7	R551	N8	R592	D2
C604	D3	R511	M4	R553	B9	R596	E4
C622	L7	R512	M4	R555	O8	R600	D3
C623	L7	R513	O6	R557	C9	R604	D3
Q501	F7	R515	O6	R558	O8	R606	K8
Q502	O7	R516	O6	R559	O9	R607	K8
Q503	O6	R524	B8	R560	I9	R608	D3
Q505	B8	R531	B8	R563	O8	R611	M7
Q507	C8	R532	C8	R565	J7	R635	J8
Q508	C9	R533	C9	R570	J7	R636	I7
Q510	B9	R534	G7	R572	I7	R665	K7
Q512	O8	R535	G8	R573	K8	R666	K7
Q513	C9	R536	C9	R574	I7	R687	J8
Q514	J7	R537	G8	R575	E2		
Q515	E2	R539	B9	R576	E3		

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

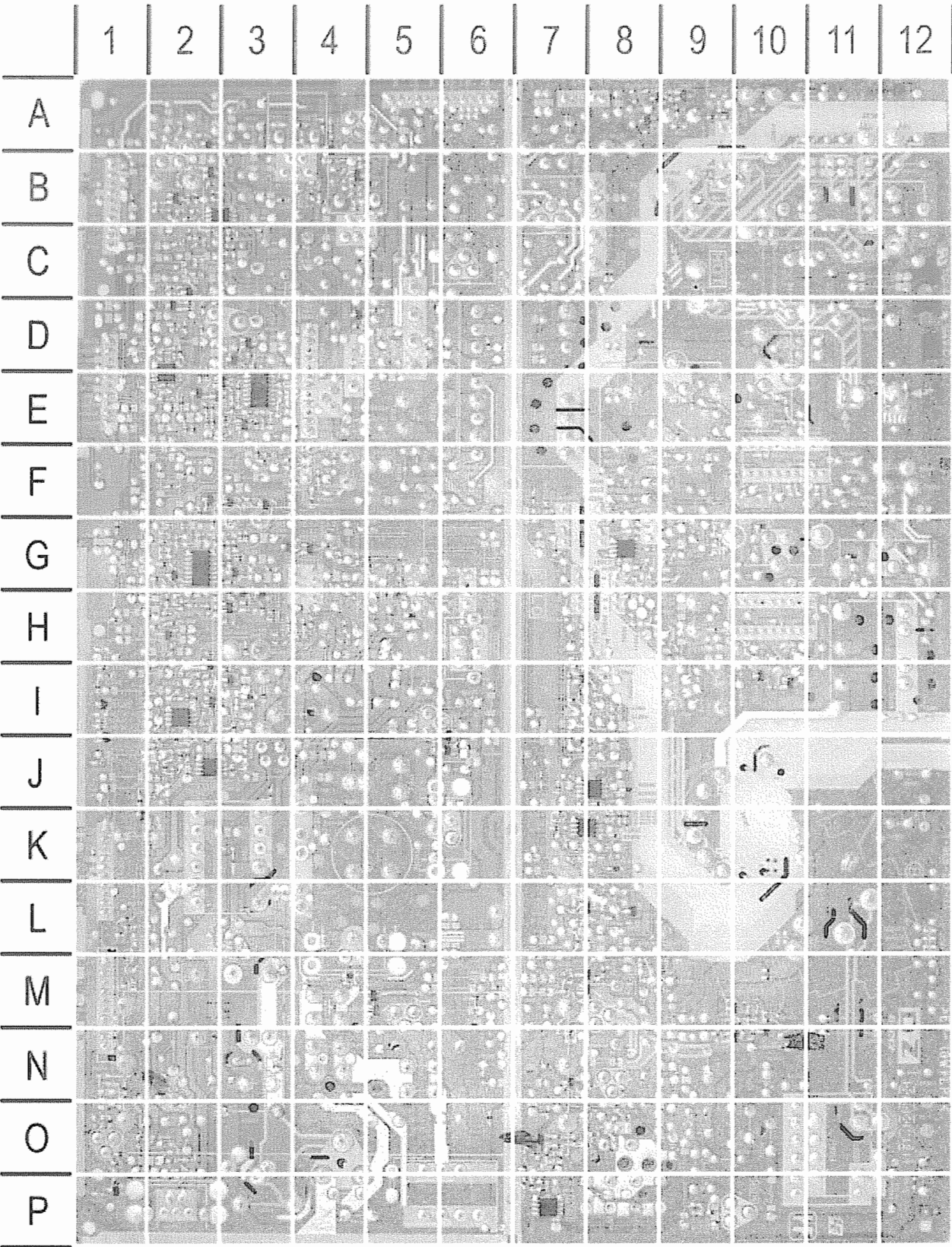
DZ BOARD - TOP VIEW



DZ BOARD - TOP VIEW, GRIDTRACE LOCATION GUIDE

C5002	N8	C5609	A8	C8035	G2	D6520	F5	L5505	D9	R5077	O3	R6556	E5
C5004	M8	C5623	C10	C8036	H1	D6523	D8	L6501	F8	R5090	L11	R6557	F4
C5005	F9	C6503	C4	C8037	I3	D6524	E7	L6502	A6	R5091	O11	R6590	E9
C5006	F10	C6507	F3	C8040	J6	D6525	F12	L6503	D7	R5095	O8	R6593	E9
C5007	H8	C6508	E3	C8041	I4	D6530	B2	L6505	F8	R5096	J8	R6595	F7
C5009	G8	C6510	E3	C8042	J1	D6532	B3	L6506	A7	R5097	M11	R8006	H1
C5011	L7	C6513	A11	C8045	M5	D8006	J5	L6507	B7	R5098	M11	R8007	G2
C5016	H8	C6514	A11	C8048	M5	D8010	H3	L6510	C7	R5107	J7	R8012	H6
C5019	H9	C6517	F3	C8050	O5	D8011	G3	L6511	D7	R5110	J7	R8016	G4
C5020	J11	C6518	F2	C8051	O5	D8012	G2	L6514	D8	R5113	L10	R8036	M6
C5024	I8	C6519	F3	C8052	K6	D8016	N4	L6517	C6	R5115	I11	R8037	M7
C5029	O1	C6525	D5	C8053	N4	D8017	N5	L6518	C6	R5127	I8	R8038	N7
C5030	I10	C6526	D3	C8054	O4	D8018	P5	L8002	I1	R5132	N9	R8039	N7
C5033	O11	C6532	E5	C8055	O4	D8022	I4	L8005	N4	R5133	N9	R8040	N7
C5035	H7	C6546	A5	C8058	M6	D8023	L5	PH6501	B4	R5135	M9	R8043	M6
C5036	I7	C6549	F4	C8059	N5	D8024	I3	PH6502	G5	R5136	N9	R8051	F1
C5040	O11	C6550	F4	C8060	O4	D8034	I6	PH8001	H5	R5141	N7	R8053	I2
C5041	O11	C6552	A7	C8063	K1	FB5001	L10	PH8003	I4	R5142	O9	R8054	I1
C5052	I10	C6554	B8	C8076	I5	FB5003	L8	PH8004	G5	R5143	O8	R8058	H2
C5053	O7	C6555	A8	CN5001	L12	FB5004	L11	PS6505	C6	R5144	P9	R8061	G3
C5054	G9	C6556	E8	CN5002	L9	FB5005	L11	PS6506	C6	R5145	P9	R8069	H6
C5056	N8	C6557	F7	CN5003	G7	FB5619	D7	PS6550	A10	R5146	K8	R8070	H4
C5057	N9	C6558	F4	CN5009	N12	FB6501	D7	Q5003	M8	R5148	K9	R8072	I4
C5058	N10	C6559	D8	CN5011	D9	FB6508	D2	Q5004	F9	R5170	N8	R8076	N3
C5059	N10	C6584	C2	CN6504	A8	FB6509	D2	Q5012	O12	R5171	N8	R8079	I4
C5060	N10	C6590	E1	CN6506	E12	FB6520	B6	Q5015	P4	R5172	J10	R8080	P1
C5061	P10	C6592	D5	D5002	H9	FB6521	B6	Q5028	M8	R5173	J10	R8085	N2
C5064	J8	C6593	B7	D5003	M10	FB8001	H1	Q5030	P9	R5540	D9	R8086	N2
C5065	J9	C6595	A4	D5011	P11	FB8002	G1	Q5031	K7	R5565	D12	R8102	O6
C5066	K9	C6596	A5	D5014	I8	IC5004	G9	Q5507	D11	R5566	D10	R8106	G6
C5082	O10	C6597	C8	D5016	N11	IC5005	P11	Q6506	E4	R5576	C8	R8109	P5
C5084	I9	C8001	G4	D5017	M11	IC5006	H7	Q6507	E3	R5588	C9	R8111	P5
C5086	H9	C8002	G4	D5023	P10	IC5504	B9	Q8013	G3	R6502	D2	R8114	P5
C5502	C9	C8006	I3	D5035	I9	IC5506	B9	Q8014	G1	R6508	F5	R8116	P4
C5504	D10	C8012	L6	D5036	I11	IC5512	A9	Q8015	N5	R6510	F5	R8119	O5
C5517	D10	C8015	L6	D5514	C10	IC6501	F2	Q8016	O5	R6511	A6	RY6501	A3
C5528	C10	C8016	H4	D6502	F3	IC6502	B11	Q8018	N5	R6513	F2	RY6502	A4
C5530	B10	C8017	M6	D6504	C7	IC6503	E8	R5013	F9	R6514	F2	SG8002	K1
C5531	B10	C8018	L6	D6508	E10	IC6505	E9	R5041	H8	R6515	D2	T5001	K10
C5533	I2	C8020	L5	D6509	D2	IC8002	H3	R5046	I8	R6516	B3	T5002	P8
C5534	B10	C8024	H4	D6510	C3	IC8005	H5	R5047	I2	R6521	B3	T6502	E6
C5535	I12	C8025	G4	D6513	A6	IC8104	G5	R5051	I8	R6526	F1	T8001	K3
C5548	C9	C8027	H3	D6514	B5	L5001	I8	R5052	I8	R6529	E3	T8003	O2
C5551	C11	C8031	H3	D6516	B6	L5003	M10	R5053	H8	R6531	E4	TH5002	K8
C5552	D11	C8032	H3	D6518	F8	L5005	K8	R5074	P1	R6536	F2		
C5598	A9	C8033	I3	D6519	F5	L5504	B9	R5076	O3	R6539	F9		

DZ BOARD - BOTTOM VIEW



DZ BOARD - BOTTOM VIEW, GRIDTRACE LOCATION GUIDE

C5001	M5	C8003	H7	IC5001	J2	Q8020	N7	R5069	P7	R5505	E4	R5579	C2	R8033	K8
C5003	M4	C8005	M7	IC5002	J2	Q8021	M10	R5070	P7	R5506	C3	R5580	E2	R8035	M9
C5010	H3	C8007	I10	IC5003	P7	Q8022	M8	R5071	O7	R5507	E2	R5581	C5	R8046	G8
C5012	J2	C8021	G9	IC5007	G2	Q8023	M8	R5072	D2	R5508	E3	R5582	B2	R8049	H10
C5013	J2	C8028	H9	IC5502	E3	Q8028	N10	R5073	D2	R5510	E2	R5593	C2	R8050	H9
C5014	H4	C8030	H10	IC5511	B2	Q8034	J7	R5078	P9	R5512	E2	R5594	D3	R8052	G8
C5017	J2	C8056	O7	IC5515	E2	Q8035	I7	R5079	O1	R5513	E2	R5597	E4	R8056	H10
C5018	I2	C8065	M10	IC8001	G8	R5001	M6	R5080	O1	R5518	C2	R5603	B4	R8057	H10
C5022	I2	C8073	M10	IC8004	J8	R5002	M5	R5081	O1	R5519	C3	R5604	A3	R8059	H8
C5028	E3	C8074	K8	IC8006	K8	R5003	M4	R5082	P1	R5520	D2	R5711	D2	R8060	H8
C5031	O2	C8075	I8	Q5001	M5	R5004	F4	R5083	P1	R5521	E3	R5712	D2	R8062	G12
C5032	O2	C8077	I7	Q5002	M5	R5005	F2	R5084	O1	R5522	A4	R6501	F9	R8063	G10
C5039	P9	C8079	J7	Q5005	H5	R5007	F4	R5085	O2	R5523	C3	R6503	D5	R8066	H7
C5044	G3	C8139	K7	Q5006	I2	R5008	F4	R5086	O1	R5524	D2	R6505	F10	R8078	H9
C5045	G2	D5001	H5	Q5007	I3	R5009	F3	R5087	O2	R5525	B2	R6507	B9	R8082	L11
C5046	G2	D5004	M4	Q5008	I2	R5010	I2	R5092	O2	R5526	B2	R6509	A8	R8088	N10
C5047	G2	D5005	F3	Q5009	G4	R5011	F3	R5093	O2	R5527	C3	R6517	F11	R8089	N8
C5048	I2	D5006	G2	Q5010	G3	R5012	F3	R5101	G3	R5528	G1	R6518	F10	R8090	N9
C5049	G3	D5007	K7	Q5011	I1	R5014	F4	R5102	G3	R5529	A2	R6524	F8	R8093	N8
C5050	G2	D5008	I2	Q5013	P1	R5015	I2	R5103	G3	R5530	B3	R6525	G8	R8097	M10
C5051	M5	D5010	I1	Q5014	I1	R5016	F3	R5104	H2	R5532	B2	R6527	A9	R8101	O8
C5070	L1	D5018	I3	Q5018	G2	R5017	F3	R5105	H2	R5533	B4	R6528	A8	R8103	O8
C5071	H2	D5019	G3	Q5019	J16	R5018	H2	R5106	G3	R5535	B2	R6530	A9	R8104	O7
C5074	H2	D5027	K2	Q5020	J16	R5019	G5	R5108	G2	R5536	B2	R6532	A8	R8105	J7
C5075	J5	D5028	H3	Q5021	F3	R5020	H3	R5109	G2	R5537	B4	R6533	E10	R8108	O7
C5076	G2	D5032	O2	Q5022	H2	R5023	G4	R5111	H3	R5538	B4	R6535	E9	R8110	O8
C5077	G2	D5501	E3	Q5023	F2	R5024	I3	R5112	H2	R5539	A4	R6537	A9	R8112	O7
C5078	J1	D5502	E3	Q5024	G3	R5025	H3	R5116	G3	R5541	B4	R6538	A8	R8113	O8
C5079	J2	D5504	B4	Q5025	F3	R5026	I2	R5117	F2	R5542	B5	R6542	F7	R8115	N7
C5505	D2	D5506	E3	Q5026	H3	R5027	I2	R5118	F3	R5543	C2	R6545	A9	R8117	N7
C5506	E2	D5508	B4	Q5027	H3	R5028	I1	R5120	I2	R5544	B4	R6548	F7	R8118	N7
C5511	D2	D5511	D2	Q5035	K1	R5029	H4	R5124	G3	R5545	B4	R6602	D4	R8123	M8
C5512	A4	D5512	B2	Q5036	H3	R5031	J1	R5125	G2	R5547	E3	R6605	D5	R8124	M7
C5513	B4	D5513	D1	Q5501	E2	R5033	J2	R5126	H3	R5548	E3	R8001	I10	R8125	M7
C5514	C3	D5515	E2	Q5502	E3	R5036	J2	R5128	H3	R5549	C2	R8003	G8	R8126	M7
C5515	B2	D6505	A9	Q5503	E2	R5037	J2	R5129	M6	R5551	D2	R8004	G9	R8135	K7
C5516	B2	D6521	A2	Q5504	A4	R5038	J2	R5130	H3	R5552	D2	R8005	G9	R8136	K7
C5518	B2	D6533	A9	Q5505	B4	R5040	I2	R5131	H4	R5553	A4	R8011	G8	R8137	J7
C5519	E3	D6534	A10	Q5506	E3	R5042	I2	R5137	G3	R5554	C2	R8013	H7	R8138	K7
C5520	B2	D6537	F2	Q5510	C2	R5043	H4	R5138	L1	R5555	D3	R8014	I8	R8144	M10
C5521	C3	D6538	D9	Q5512	A2	R5044	I2	R5139	H2	R5556	B3	R8015	I8	R8145	M10
C5522	C3	D8001	G8	Q5513	B2	R5045	I1	R5147	H4	R5557	B2	R8017	I8	R8146	M8
C5523	C2	D8003	G9	Q5568	D3	R5048	I2	R5150	J1	R5558	B2	R8019	G8	R8150	O7
C5524	C2	D8005	L8	Q5569	D3	R5049	I1	R5151	H3	R5559	E3	R8020	M10	R8151	O7
C5526	D2	D8007	L8	Q6522	D4	R5050	I1	R5153	K2	R5560	P7	R8022	L8	R8158	I7
C5527	E2	D8009	J8	Q6527	A9	R5054	H3	R5154	H2	R5561	C2	R8024	L8	R8159	I7
C5529	B2	D8013	G11	Q6530	A8	R5060	G5	R5158	O1	R5562	P9	R8025	K8	R8160	H7
C5540	D2	D8014	G10	Q6532	A8	R5061	G4	R5160	H6	R5567	E3	R8026	K8	R8161	I8
C5550	E2	D8015	N10	Q8003	I10	R5062	O6	R5163	H2	R5568	B4	R8027	L8	R8165	H9
C6502	F3	D8026	M8	Q8004	I10	R5063	J3	R5164	G4	R5569	E2	R8028	K8	R8200	J7
C6511	F11	D8028	K8	Q8007	L8	R5064	J3	R5165	G4	R5570	E2	R8029	L7	R8202	H4
C6515	A2	D8030	N10	Q8008	L8	R5065	K3	R5176	H3	R5571	C2	R8030	L7	R8203	J7
C6516	F10	D8031	K8	Q8011	N10	R5066	I3	R5501	E3	R5572	D2	R8031	L7	R8204	N7
C6551	D5	D8140	G5	Q8019	O7	R5068	P7	R5503	E2	R5578	C5	R8032	K8	R8206	G7

SONY

MODEL KV-36HS420 (CHASSIS SCC-S66T-A)

MISCELLANEOUS ADJUSTMENTS

B+ CHECK

Use a variable isolated AC supply with the input voltage set at 120VAC ±0.2VAC. Set Mode setting to full mode. Input an NTSC crosshatch video signal. Connect a voltmeter between pin 9 of CN5509 and ground. Set the picture and brightness controls to minimum. Check for less than 135.3V ±1V.

HIGH VOLTAGE CHECK

Tune in a picture. Set brightness, picture, and screen control to minimum. Connect a high voltage probe to CRT anode. High voltage should measure 31kV to 32kV.

SERVICE ADJUSTMENT MODE

NOTE:Record all data values before making any changes.

To enter the service adjustment mode press the display, 5, sound volume +, and power on buttons on the remote while in the standby mode. Press the 1 or 2 buttons on the remote to select the item. Press the 3 or 6 buttons on the remote to change data. Press the muting and then the enter buttons on the remote to write adjustment into memory.

SERVICE ADJUSTMENT MODE MEMORY

To initialize press the 8 button on the remote. Do not turn the set off until SERVICE appears on the screen.

READING THE MEMORY

To enter the service mode press the 0 button on the remote and then the enter button on the remote to read the memory.

PICTURE AJUSTMENT

Enter the service mode. Press the 2 or 5 buttons on the remote to select the device item. Press the 1 or 4 buttons on the remote to select the item. Press the 3 or 6 buttons on the remote to change the data. Press the muting and then the enter buttons on the remote to write adjustment into memory.

RESETTING THE NONVOLATILE MEMORY DATA

NOTE: Be careful using the remote as it can clear all NVM data, including deflection and white video balance adjustment if not reset properly.

RESETTING THE MID NONVOLATILE MEMORY DATA

Enter the service mode. Press the 7, jump, and then the enter buttons on the remote.

RESETTING THE SYSTEM NONVOLATILE MEMORY DATA

NOTE: This will reset the deflection and white video balance.

Enter the service mode. Press the 7, 9, and then the enter buttons on the remote.

BEAM LANDING

NOTE: The manufacturer advises not to use a degaussing coil to demagnetize the CRT.

Use a crosshatch signal to rough adjust focus and G2. Input a white pattern. Face the CRT in the direction as to reduce the geomagnetism and confirm the data from 2170D-4 in the Service Adjustment Mode Chart. Set the picture control to maximum and the brightness control to standard. Loosen the deflection yoke mounting screw and set the purity tabs to the center. Input a green pattern from a generator. Move the deflection yoke backwards and adjust the purity tabs so the green is in the center and the red and blue are even on both sides. Move the deflection yoke forward and adjust so the entire screen becomes green. Change the pattern generator to red then to blue to check the red and blue purity. When the purity is correct retighten the deflection yoke mounting screw. If there are shadows in the corners correct by using the disk magnets.

FOCUS

Input a dot pattern. Set the video mode to standard. Adjust focus control counter-clockwise and confirm the dots shape. The center should be slightly oval with the

left and right sides balanced. Input an HD signal and confirm the center focus with focus control.

VIDEO INPUT - SUB CONTRAST ADJUSTMENT

Input a colorbar signal to VIDEO1. Set the picture mode single (full) pro mode. Set picture to maximum and color to minimum. Enter the service mode and check RGBS data from 2170P-2 in the Service Adjustment Mode Chart, average data is 4. Connect an oscilloscope to pin 1 of CN9001 and adjust the contrast according to the SPIO data from 2170P-4 in the Service Adjustment Mode Chart. Adjust sub contrast according to the SCON data from 2103-1 in the Service Adjustment Mode Chart.

VIDEO INPUT - SUB HUE / SUB CONTRAST ADJUSTMENT

Input a color bar signal to VIDEO1. Set the picture mode single (full) pro mode. Set picture to maximum. Enter service mode and check RGBS data from 2170P-2 in the Service Adjustment Mode Chart, average data is 7. Connect an oscilloscope to pin 5 of CN9001 and adjust the color according to the SCOL data from 2103-1 in the Service Adjustment Mode Chart. Adjust the sub hue according to the SHUE data from 2103-1 in the Service Adjustment Mode Chart.

RF INPUT - SUB CONTRAST ADJUSTMENT

Input a color bar signal to VIDEO1. set the picture mode single (full) pro mode. Set picture to maximum and color to minimum. Enter service mode and check RGBS data from 2170P-2 in the Service Adjustment Mode Chart, average data is 4. Connect an oscilloscope to pin 1 of CN9001 and adjust the contrast according to the SCON data from 2103-1 in the Service Adjustment Mode Chart.

CENTERING ADJUSTMENT

Input a monoscope pattern with a generator set to NTSC DRC mode. Enter the service mode and set AGNG data from 2170P-2 in the Service Adjustment Mode Chart to 2. Set HPOS data from 2170D-2 in the Service Adjustment Mode Chart to 34. Set HSIZ data from 2170D-2 in the Service Adjustment Mode Chart to 34. Set HBLK data from 2170D-3 in the Service Adjustment Mode Chart to 0. Reduce HSIZ to see the sides of the raster. Adjust HPOS for the best screen position. Check that the raster sides are equal.

CONVERGENCE

Set the dynamic contrast and brightness control to standard. Input a crosshatch signal. Set dynamic convergence to data from 2170D-4 in the Service Adjustment Mode Chart or disconnect the dynamic convergence before adjusting static convergence. Adjust RV9001 to converge the red, green, and blue dots in the center of the screen. Adjust the vstat magnet to converge the red and green and blue dots in the center of the screen. Tilt the vstat magnet and adjust static convergence to adjust gap of vstat magnet. The bmc tabs adjust the red, green, and blue dots so that they are aligned in the center of the screen. The bmc tabs move the dots in the horizontal direction.

SERVICE ADJUSTMENT MODE DISPLAY

VERSION	0	0
SERVICE		
DMY1	FULL	VIDEO1
WSL 0		
F/A: 11111111	11111111	
CBA: 11111111	11111111	
VERSION	1	24
SERVICE	0*	
DMY1	FULL	VIDEO1
WSL 0	0	
F/A: 11111111	11111111	
CBA: 11111111	11111111	

SERVICE MODE ADJUSTMENT CHART

NOTE: * Indicates the item fixed setting for normal TV operations. This setting can be changed, but the change will not be memorized after leaving the service mode.

Item No.	Name	On-Set Data	Initial Data
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VERSION

0	VER	0	0*
1	DMY1	1	0

3D-COMB

0	NRMD	0	0*
1	CLKS	1	1
2	NSDS	0	0*
3	MSS	0	0*
4	KILS	1	1*
5	FRZE	0	0*
6	EXCS	1	1
7	CDL	4	4
8	DYCO	2	2
9	DYGA	10	10
10	DCCO	5	5
11	DCGA	5	5
12	WSC	1	1
13	WSS	0	0

Item No.	Name	On-Set Data	Vivid	Standard	Movie	Pro
14	VAPG	2	4	2	2	0
15	VAPI	4	4	4	4	0

Item No.	Name	On-Set Data	Initial Data
16	TEST	0	0*

Item No.	Name	On-Set Data	Vivid RF	Vivid CV/YC	Standard RF	Standard CV/YC	Movie RF	Movie CV/YC	Pro RF	Pro CV/YC
17	YPFT	3	3	3	3	3	3	3	3	3
18	YPPG	5	9	5	7	5	5	6	5	5

Item No.	Name	On-Set Data	Initial Data
19	SEDC	0	0
20	SEDY	1	1
21	YHCO	1	1
22	YHCG	0	0
23	SYSP	0	0
24	TES2	0	0*

Item No.	Name	On-Set Dat	V5/V6 HDMI	Others
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2103-1

0	YLEV	28	34	20
1	CLEV	17	40	17

Item No.	Name	On-Set Data	RF	CV/YC
2	SCON	5	9	9
3	SCOL	4	2	2
4	SHUE	7	11	5
5	YDLY	0	0	0

Item No.	Name	On-Set Data	RF	CV/YC	V5/V6	HDMI
6	SHAP	8	6	8	4	8
7	SHFO	0	0	0	3	0
8	PREO	3	3	3	3	3

SERVICE MODE ADJUSTMENT CHART continued

Item No.	Name	On-Set Data	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard
			RF	CV/YC	V5/V6 480i	V5/V6 480p	V5/V6 1080i	V5/V6 720p	HDMI 480i	HDMI 480p	HDMI VGA	HDMI 1080i	HDMI 720p
2	VMCR	0	1	0	0	0	0	0	0	0	0	0	0
3	VMLM	3	3	3	3	3	3	3	3	3	3	3	3
4	VMFO	1	1	1	1	1	0	0	1	1	1	0	0
5	VMDL	5	5	5	5	5	13	13	5	5	5	13	13
6	SHOF	3	3	3	2	0	1	1	2	0	0	1	1
7	SHFO	1	1	1	1	1	1	1	1	1	1	1	1
8	PROV	1	0	3	2	0	3	3	2	0	0	3	3
9	FILV	1	0	0	1	1	0	0	1	1	1	0	0
10	LTLV	2	2	2	2	3	3	3	2	3	3	3	3
11	LTMD	1	1	1	1	1	1	1	1	1	1	1	1
12	CTLV	0	0	0	0	0	3	3	0	0	0	3	3
13	UBOF	2	2	2	2	0	2	2	0	0	0	0	0
14	UCOF	2	1	1	2	2	1	2	2	2	1	2	2
15	UHOF	0	0	0	0	0	0	0	0	0	0	0	0
16	MIDE	10	5	10	14	18	22	26	30	34	44	38	42
Item No.	Name		Vivid	Vivid	Vivid	Vivid	Vivid	Vivid	Vivid	Vivid	Vivid	Vivid	Vivid
			RF	CV/YC	V5/V6 480i	V5/V6 480p	V5/V6 1080i	V5/V6 720p	HDMI 480i	HDMI 480p	HDMI VGA	HDMI 1080i	HDMI 720p
0	SYSM		1	1	1	1	3	3	1	1	1	3	3
Item No.	Name		Vivid										
			RF										
1	VMLV		7*										
Item No.	Name		Vivid	Vivid	Vivid	Vivid	Vivid	Vivid	Vivid	Vivid	Vivid	Vivid	Vivid
			RF	CV/YC	V5/V6 480i	V5/V6 480p	V5/V6 1080i	V5/V6 720p	HDMI 480i	HDMI 480p	HDMI VGA	HDMI 1080i	HDMI 720p
2	VMCR		1	0	0	0	0	0	0	0	0	0	0
3	VMLM		3	3	3	3	3	3	3	3	3	3	3
4	VMFO		1	1	1	1	0	0	1	1	1	0	0
5	VMDL		5	5	5	5	13	13	5	5	5	13	13
6	SHOF		2	2	2	1	1	1	2	1	0	1	1
7	SHFO		1	1	1	1	1	1	1	1	1	1	1
8	PROV		0	3	2	0	3	3	2	0	0	3	3
9	FILV		1	0	1	0	0	1	1	0	1	0	1
10	LTLV		2	3	3	1	3	3	3	3	3	3	3
11	LTMD		1	1	1	0	1	0	1	0	1	0	1
12	CTLV		0	0	0	0	3	3	0	0	0	3	3
13	UBOF		0	0	0	1	1	1	0	0	0	0	0
14	UCOF		2	2	2	2	2	2	2	2	2	2	2
15	UHOF		0	0	0	0	0	0	0	0	0	0	0
16	MIDE		7	11	15	19	23	27	31	35	44	39	43
Item No.	Name		Movie	Movie	Movie	Movie	Movie	Movie	Movie	Movie	Movie	Movie	Movie
			RF	CV/YC	V5/V6 480i	V5/V6 480p	V5/V6 1080i	V5/V6 720p	HDMI 480i	HDMI 480p	HDMI VGA	HDMI 1080i	HDMI 720p
0	SYSM		1	1	1	1	3	3	1	1	1	3	3
Item No.	Name		Movie										
			RF										
1	VMLV		7*										
Item No.	Name		Movie	Movie	Movie	Movie	Movie	Movie	Movie	Movie	Movie	Movie	Movie
			RF	CV/YC	V5/V6 480i	V5/V6 480p	V5/V6 1080i	V5/V6 720p	HDMI 480i	HDMI 480p	HDMI VGA	HDMI 1080i	HDMI 720p
2	VMCR		1	0	0	0	0	0	0	0	0	0	0
3	VMLM		3	3	3	3	3	3	3	3	3	3	3
4	VMFO		1	1	1	1	0	0	1	1	1	0	0

		Movie	Movie	Movie	Movie	Movie	Movie	Movie	Movie	Movie	Movie	Movie
Item No.	Name	RF	CV/YC	V5/V6 480i	V5/V6 480p	V5/V6 1080i	V5/V6 720p	HDMI 480i	HDMI 480p	HDMI VGA	HDMI 1080i	HDMI 720p
5	VMDL	5	5	5	5	13	13	5	5	5	13	13
6	SHOF	1	1	1	1	1	1	1	1	0	1	1
7	SHFO	1	1	1	1	1	1	1	1	1	1	1
8	PROV	0	3	2	1	3	3	2	1	0	3	3
9	FILV	0	0	0	0	0	0	0	0	1	0	0
10	LTLV	1	1	1	2	1	1	1	2	3	1	1
11	LTMD	1	1	1	1	1	1	1	1	1	1	1
12	CTLV	0	0	0	0	2	2	0	0	0	2	2
13	UBOF	0	0	0	0	0	0	0	0	0	0	0
14	UCOF	0	0	0	0	0	0	0	0	2	0	0
15	UHOF	0	0	0	0	0	0	0	0	0	0	0
16	MIDE	3	9	13	17	21	25	29	33	44	37	41
		Pro	Pro	Pro	Pro	Pro	Pro	Pro	Pro	Pro	Pro	Pro
Item No.	Name	RF	CV/YC	V5/V6 480i	V5/V6 480p	V5/V6 1080i	V5/V6 720p	HDMI 480i	HDMI 480p	HDMI VGA	HDMI 1080i	HDMI 720p
0	SYSM	1	1	2	1	3	3	2	1	1	3	3
		Pro										
Item No.	Name	RF										
1	VMLV	7*										
		Pro	Pro	Pro	Pro	Pro	Pro	Pro	Pro	Pro	Pro	Pro
Item No.	Name	RF	CV/YC	V5/V6 480i	V5/V6 480p	V5/V6 1080i	V5/V6 720p	HDMI 480i	HDMI 480p	HDMI VGA	HDMI 1080i	HDMI 720p
2	VMCR	1	0	0	0	0	0	0	0	0	0	0
3	VMLM	3	3	3	3	3	3	3	3	3	3	3
4	VMFO	1	1	0	0	0	0	0	0	1	0	0
5	VMDL	5	5	8	5	13	13	8	5	5	13	13
6	SHOF	1	2	2	0	2	1	2	0	0	2	1
7	SHFO	1	1	1	1	1	1	1	1	1	1	1
8	PROV	0	2	3	1	3	3	3	1	0	3	3
9	FILV	0	0	0	0	0	0	0	0	1	0	0
10	LTLV	0	0	0	0	0	0	0	0	3	0	0
11	LTMD	1	1	1	1	1	1	1	1	1	1	1
12	CTLV	0	0	0	0	0	0	0	0	0	0	0
13	UBOF	2	2	2	1	1	1	0	0	0	0	0
14	UCOF	0	0	0	0	0	0	0	0	2	0	0
15	UHOF	0	0	0	0	0	0	0	0	0	0	0
16	MIDE	0	8	12	16	20	24	28	32	44	36	40
		On-Set Data	Vivid	Standard	Movie	Pro						
17	VM	3	3	3	1	0						
18	VMH	15	15	15	12	12						
19	VMM	8	10	10	8	8						
20	VML	4	6	6	4	4						
		On-Set Data	HDMI									
Item No.	Name	On-Set Data	VGA									
21	VGAP	5	5									
22	VGAS	5	0									
23	VGAB	5	0									
24	VGAC	5	0									
25	VGAV	5	5									

SERVICE MODE ADJUSTMENT CHART continued

Item No.	Name	On-Set Data	Initial Data										
2170P-4													
0	YCON	1	1										
1	SPIC	7	7										
2	SCOL	31	31										
3	SHUE	31	31										
4	SPIO	2	7										
5	SCLO	14	7										
6	SHUO	7	7										
Item No.	Name	On-Set Data	Vivid	Standard	Movie	Pro							
7	UPIC	48	63	48	39	31							
8	UBRT	31	31	31	31	31							
9	UCOL	31	35	31	31	31							
10	UHUE	31	31	31	31	31							
11	USHP	29	24	29	31	31							
12	UTMP	1	2	1	0	1							
Item No.	Name	On-Set Data	Initial Data										
13	RYR	8	-										
14	RYB	9	-										
15	GYR	9	-										
16	GYB	6	-										
Item No.	Name	On-Set Data	Standard RF	Standard CV/YC	Standard V5/V6 480i	Standard V5/V6 480p	Standard V5/V6 1080i	Standard V5/V6 720p	Standard HDMI 480i	Standard HDMI 480p	Standard HDMI VGA	Standard HDMI 1080i	Standard HDMI 720p
17	GAMM	1	1	1	1	1	1	1	1	1	1	1	1
			Vivid RF	Vivid CV/YC	Vivid V5/V6 480i	Vivid V5/V6 480p	Vivid V5/V6 1080i	Vivid V5/V6 720p	Vivid HDMI 480i	Vivid HDMI 480p	Vivid HDMI VGA	Vivid HDMI 1080i	Vivid HDMI 720p
Item No.	Name												
17	GAMM		3	2	3	3	3	3	2	3	3	3	3
			Pro & Movie RF	Pro & Movie CV/YC	Pro & Movie V5/V6 480i	Pro & Movie V5/V6 480p	Pro & Movie V5/V6 1080i	Pro & Movie V5/V6 720p	Pro & Movie HDMI 480i	Pro & Movie HDMI 480p	Pro & Movie HDMI VGA	Pro & Movie HDMI 1080i	Pro & Movie HDMI 720p
Item No.	Name												
17	GAMM		0	0	0	0	0	0	0	0	0	0	0
Item No.	Name	On-Set Data	GAMM=0	GAMM=1	GAMM=2	GAMM=3							
18	GAMS	8	0	8	8	8							
19	GAMR	4	0	4	8	12							
20	GAMG	4	0	4	8	12							
21	GAMB	4	0	4	8	12							
Item No.	Name	On-Set Data	Standard RF	Standard CV/YC	Standard V5/V6 480i	Standard V5/V6 480p	Standard V5/V6 1080i	Standard V5/V6 720p	Standard HDMI 480i	Standard HDMI 480p	Standard HDMI VGA	Standard HDMI 1080i	Standard HDMI 720p
22	BLK	2	2	2	2	2	2	2	2	2	2	2	2
			Vivid RF	Vivid CV/YC	Vivid V5/V6 480i	Vivid V5/V6 480p	Vivid V5/V6 1080i	Vivid V5/V6 720p	Vivid HDMI 480i	Vivid HDMI 480p	Vivid HDMI VGA	Vivid HDMI 1080i	Vivid HDMI 720p
Item No.	Name												
22	BLK		3	3	3	3	3	3	3	3	3	3	3
			Movie RF	Movie CV/YC	Movie V5/V6 480i	Movie V5/V6 480p	Movie V5/V6 1080i	Movie V5/V6 720p	Movie HDMI 480i	Movie HDMI 480p	Movie HDMI VGA	Movie HDMI 1080i	Movie HDMI 720p
Item No.	Name												
22	BLK		0	0	1	0	1	0	1	0	0	1	0

		Pro RF	Pro CV/YC	Pro V5/V6 480i	Pro V5/V6 480p	Pro V5/V6 1080i	Pro V5/V6 720p	Pro HDMI 480i	Pro HDMI 480p	Pro HDMI VGA	Pro HDMI 1080i	Pro HDMI 720p
Item No.	Name											
22	BLK	0	0	0	0	0	0	0	0	0	0	0
Item No.	Name	On-Set Data	BLK=0	BLK=1	BLK=2	BLK=3						
23	DCTR	7	0	3	7	12						
24	APED	1	0	0	1	2						
25	DSBO	7	7	7	7	7						
Item No.	Name	On-Set Data	Initial Data									
26	IDSW	0	0*									
Item No.	Name	On-Set Data	BLK=0	BLK=1	BLK=2	BLK=3						
27	ABLM	0	0	1	0	1						
Item No.	Name	On-Set Data	Single Others	Others								
28	ABLT	0	0	9								
Item No.	Name	On-Set Data	Initial Data									
29	SPOF	13	0									
Item No.	Name	On-Set Data	BLK=0	BLK=1	BLK=2	BLK=3						
30	DPSQ	1	1	1	1	1						
Item No.	Name	On-Set Data	Initial Data									
31	LRGB	3	3									
2170D-1												
0	VPOS	24	31									
1	VSIZ	28	30									
Item No.	Name	On-Set Data	1080 Full	Others	NOTE: Used for PJ only.							
2	VSZO	0	0	0								
Item No.	Name	On-Set Data	Wide Zoom	Others								
3	VLIN	6	8	8								
4	VSCO	3	10	9								
Item No.	Name	On-Set Data	Initial Data									
5	VCEN	18	31									
Item No.	Name	On-Set Data	Vcomp 480, 1080	Others								
6	VPIN	22	15	15								
Item No.	Name	On-Set Data	Initial Data									
7	MVPN	0	0									
8	NSCO	31	31									
9	HTPZ	12	15									
10	MHTZ	0	0									
Item No.	Name	On-Set Data	Wide Zoom	Zoom	Others							
11	ZOOM	0	1	1	0							

SONY

MODEL KV-36HS420 (CHASSIS SCC-S66T-A)

SERVICE MODE ADJUSTMENT CHART continued

Item No.	Name	On-Set Data	Wide Zoom	Zoom	480 Full	1080 Full	1080 Vcomp	480 Vcomp	
12	APSW	1	1	1	1	0	0	1	
13	ASPT	3	22	43	47 // 3	43 // 0	47	47 // 3	NOTE: For 4X3 // 16X9 models.
14	SCRL	31	31	31	31	31	31	31	
Item No.	Name	On-Set Data	Wide Zoom	Others					
15	UVLN	0	4	0					
16	LVLN	0	4	0					
Item No.	Name	On-Set Data	Initial Data						
2170D-2									
0	HCNT	32	31						
1	HPOS	27	31						
Item No.	Name	On-Set Data	Wide Zoom	Others					
2	HSIZ	29	49	40					
3	SLIN	7	10	4					
4	MPIN	6	11	10					
Item No.	Name	On-Set Data	Wide Zoom	1080I, Others					
5	PIN	15	40	31					
Item No.	Name	On-Set Data	Initial Data						
6	PINO	7	7						
Item No.	Name	On-Set Data	Wide Zoom	1080I, Others					
7	UCP	29	31	35					
8	LCP	29	31	35					
Item No.	Name	On-Set Data	1080I, Others						
9	UXCG	0	0						
10	LXCG	0	0						
Item No.	Name	On-Set Data							
11	UXCP	0							
12	LXCP	0							
13	XCPP	0							
Item No.	Name	On-Set Data	Wide Zoom	Others					
14	PPHA	16	20	20					
Item No.	Name	On-Set Data	Initial Data						
15	VANG	33	31						
16	LANG	27	31						
17	VBOW	28	31						
18	LBOW	34	31						
2170D-3									
0	HBLK	1	1						

Item No.	Name	On-Set Data	1080 Full, Vcomp	Others					
1	LBLK	44	50	51					
2	RBLK	39	31	27					
Item No.	Name	On-Set Data	Wide Zoom	Zoom	480 Full, 1080 Full	480, 1080 Vcomp			
3	VBLK	1	0	0	1	1			
Item No.	Name	On-Set Data	Wide Zoom	Zoom	480 Full	1080 Full	1080 Vcomp	480 Vcomp	
4	TBLK	2	12	7	2	4	10	8 // 2	NOTE: For 4X3 // 16X9 models.
5	BBLK	8	15	7	8	6	14	13 // 8	NOTE: For 4X3 // 16X9 models.
Item No.	Name	On-Set Data	1080 Full, Vcomp	Others					
6	AFCM	3	2	3					
Item No.	Name	On-Set Data	1080, 480 Vcomp	Others					
7	JUMP	0	1 // 0	0					NOTE: For 4X3 // 16X9 models.
Item No.	Name	On-Set Data	Wide Zoom	Zoom	480 Full, Vcomp	1080 Full, Vcomp			
8	VDJP	0	1	1	0	1			
Item No.	Name	On-Set Data	1080 Full, Vcomp	Others					
9	VDST	0	0	0					
Item No.	Name	On-Set Data	Wide Zoom	Zoom	480 Full, Vcomp	1080 Full, Vcomp			
10	AKBT	20	15	15	20	16			
Item No.	Name	On-Set Data	Initial Data						
2170D-4									
0	QPAM	22 (1)	22 (1)						
1	QPAV	40	40						
2	QPAP	6	6						
3	QPDC	17	17						
4	QPDV	52	52						
5	QPDV	6	6						
6	CPY1	0	0*						NOTE: CPY1 makes the data copying from one mode to all other modes.
7	DF	36	36						
8	DQP	37	37						
(1) 25 Used in model 32HS420.									
Item No.	Name	On-Set Data							
9	DHMT	0							

SERVICE MODE ADJUSTMENT CHART continued

Item No. Name On-Set Data Initial Data

2170D-5

0	VFRQ	1	1
1	VON	1	1*
2	EWDC	0	0
3	MS15	0	0
4	HFRQ	80	80
5	HFRX	25	25
6	VMPS	0	0
7	INTR	0	0
8	VLNL	0	0
9	VLNH	0	0
10	AGCS	0	0

D-CONV (CXA8070)

0	YBWU	31	31
1	YBWL	31	31
2	RSAP	31	31
3	RUMB	31	31
4	RUBW	31	31
5	RLMB	31	31
6	RLBW	31	31
7	LSAP	31	31
8	LUMB	31	31
9	LUBW	31	31
10	LLMB	31	31
11	LLBW	31	31
12	CADJ	29	29
13	HVCA	31	55

Item No.	Name	On-Set Data	V5/V6 720p, 1080i	V5/V6 Others	HDMI/ Tiny Micro \$6D_00 Bit6: 709=1	HDMI/ Tiny Micro \$6D_00 Bit6: 709=0
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CXA2171

0	MTRX*	0	1*	0*	1*	0*
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Item No. Name On-Set Data Initial Data

1	GAIN	0	7
2	FIXS	3	0*
3	CBGN	5	7
4	CRGN	5	8
5	YGN	6	8
6	VTC	0	0

Item No.	Name	On-Set Data	Tristate=1	Tristate=0
7	HTC	1	0*	1*

Item No. Name On-Set Data Initial Data

8	HWID	1	1
9	HSEP	1	1

Item No.	Name	On-Set Data	V5/V6 HDMI 1080i	V5/V6 Others
10	HMSK	1	0*	1*

Item No. Name On-Set Data Initial Data

11	FRGB	0	0*
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Item No. Name On-Set Data Initial Data

MID1

0	DHPH	101	109
1	DVPH	40	20
2	DHAR	240	240
3	DVAR	135	135
4	DHPW	55	55
5	DVPW	5	5

Item No.	Name	On-Set Data	Single 480i	Single Others	Favorites
6	DYCD	3	3	0	2

Item No.	Name	On-Set Data	Table-0	Table-1	Table-2	Table-3
7	DYSD	2	7	4	2	1

Item No.	Name	On-Set Data	Single VGA Normal	Single VGA Others	Single Others Normal	Single Others Others	Favorites VGA
8	MDHP	0	174	72	156	0	40

Item No.	Name	On-Set Data	Single 480i, 480p	Single VGA	Single Others	Favorites VGA
9	MDVP	0	30	66	0	34

Item No.	Name	On-Set Data	Single VGA Normal	Single VGA Others	Single Others Normal	Single Others Others	Favorites VGA
10	MDHS	240	162	204	162	240	155

Item No.	Name	On-Set Data	Single 480i, 480p	Single VGA	Single Others	Favorites VGA
11	MDVS	120	120	102	135	103

Item No. Name On-Set Data

12	DGSB	0
13	DGSR	0
14	DPSW	0
15	MDLO	12
16	BCOL	0
17	DYSS	1

MID2

0	DHHP	55
1	DHHS	183
2	DHVP	29
3	DHVS	60
4	DHVL	0

MID3

0	YCPO	200
1	CCPO	200
2	PRPB	0
3	DOSA	1
4	YCWD	1
5	MYCD	0
6	PSTP	254
7	PSTT	0
8	VHSC	53

SERVICE MODE ADJUSTMENT CHART continued

Item No.	Name	On-Set Data
9	VHSL	19
10	PLHC	214
11	PLHL	8
12	MDTC	1
13	MFRV	0

Item No.	Name	On-Set Data	Initial Data
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MID5

0	POP	10	0
1	MHLY	1	1
2	MHLC	3	3
3	MVLY	0	0
4	MVLC	0	0
5	MHYR	2	0
6	MHYL	2	0
7	MHYE	4	0
8	MHYO	1	0
9	MHCR	0	0
10	MHCL	0	0
11	MHCE	0	0
12	MHCO	0	0
13	MVYR	1	0
14	MVYL	1	0
15	MVYE	3	0
16	MVCR	0	0
17	MVCL	0	0
18	MVCE	0	0

Item No.	Name	On-Set Data
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19	MENM	0
20	MHEL	0
21	MVEL	3

DRCMFV1

0	MFVR	1
1	FMTH	1
2	FSEL	1
3	LMIT	0
4	LMLV	2
5	LMSL	1
6	VDLY	1
7	VDPR	3
8	WPLL	2
9	CRCT	0
10	ORES	128
11	ONCT	128
12	NRA	0
13	NRB	128
14	VRA	128
15	VRB	97

ENHA

0	HSHP	80
1	HSFO	13
2	HPOR	8
3	HLTL	0
4	HLTM	0
5	HAPL	0
6	HAPA	8
7	HCTL	0
8	HCTM	0

Item No.	Name	On-Set Data	Initial Data
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AUDIO

0	ASYS	0	0
1	TRCV	1	1
2	BACV	0	0
3	MDCV	0	0
4	SVHI	0	0
5	SVLO	0	0
6	MIDL	6	6
7	LOFQ	0	0
8	SBAS	10	10
9	MIDT (WOWS)	2	2
10	STRE	6	6
11	TRFQ (WOWC)	4	4
12	PSEF	5	5
13	AGCL	9	9

Item No.	Name	On-Set Data	TruSurround	Simulated	SteadySound	MIDT(WOW)	Off
14	BBE	1	1	1	1	1	1
15	BBEP	3	3	3	4	4	3
16	BBEL	5	5	5	5	7	5
17	BB2P	3	3	3	4	4	3
18	BB2L	5	5	5	5	7	5

Item No.	Name	On-Set Data	Initial Data
19	TRS1	4	4
20	TRS2	2	2

Item No.	Name	On-Set Data	Initial Data
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SNNR

0	MODE	0	0
1	SNNR	0	0

Item No.	Name	On-Set Data	WSLT-A	WSLT-B	WSLT-C	WSLT-D	WSLT-E	WSLT-F	WSLT-G
2	WSLT	0	15	31	45	63	85	110	127

Item No.	Name	On-Set Data	SNNR=0	SNNR=1	SNNR=2	SNNR=3	SNNR=4	SNNR=5	SNNR=6	SNNR=7
3	CPFG	0	0	0	1	1	2	2	2	3
4	CPFT	0	0	0	0	0	0	0	0	0
5	CCOR	0	0	0	1	1	1	1	1	1
6	CHCG	1	0	1	1	1	1	1	1	1
7	CAPG	0	0	0	0	0	0	0	0	0
8	3SHP	0	0	0	1	1	2	2	2	3
9	NYNR	1	0	1	2	2	3	3	4	4
10	NCNR	1	0	1	2	2	3	3	4	4
11	NYMG	0	0	0	0	0	0	0	0	0
12	NCMG	0	0	0	0	0	0	0	0	0
13	NYLT	0	0	1	1	2	3	4	6	8
14	NYNC	1	0	0	2	2	3	3	4	4
15	NYCO	0	0	0	1	1	1	1	1	1
16	7SHP	0	0	0	1	1	3	3	3	4
17	7YFI	0	0	0	1	1	2	2	2	3
18	7LTI	0	0	0	0	0	0	0	0	0
19	7CTI	0	0	0	0	0	0	0	0	0
20	7VML	0	0	0	0	0	0	0	0	0
21	7VMC	0	0	0	1	1	2	2	2	3
22	MIDD	0	0	0	1	1	2	2	2	3

SERVICE MODE ADJUSTMENT CHART continued

Item No. Name On-Set Data Initial Data

3DNR

0	WHCT	44	44
1	NIQM	1	1
2	CLPW	30	30
3	CLPP	80	80
4	YHBW	138	138
5	YBKL	0	0
6	YBKO	0	0
7	MUTE	0	0
8	YHBS	40	40
9	CHBW	138	138
10	CBKO	40	40
11	CHBO	0	0
12	VHBL	0	0
13	UHBL	0	0
14	UVDL	0	0
15	YDL	0	0
16	PVDI	0	0
17	PHDI	0	0
18	HDW	16	16
19	PVDO	0	0
20	PHDO	0	0
21	HST	54	54
22	VDL	0	0
23	VDW	3	-
24	NDET	0	1
25	NVP	2	-
26	NDTS	3	-
27	HROF	0	-
28	NDGW	9	0
29	UOFS	1	1
30	POT	0	0
31	UVF	0	-
32	APC	1	-
33	DAP	0	-

Item No.	Name	On-Set Data	Vivid 480i	Vivid Others	Standard 480i	Standard Others	Movie 480i	Movie Others	Pro 480i	Pro Others
34	YLV	10	15	15	10	10	10	10	8	8

Item No. Name On-Set Data Initial Data

35	YST	0	0
36	YNT	1	1
37	YPL	1	1
38	YMV	0	0

Item No.	Name	On-Set Data	Vivid 480i	Vivid Others	Standard 480i	Standard Others	Movie 480i	Movie Others	Pro 480i	Pro Others
39	YCR	3	3	3	3	3	3	3	3	3

Item No. Name On-Set Data Initial Data

40	VOS	1	1
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Item No.	Name	On-Set Data	Vivid 480i	Vivid Others	Standard 480i	Standard Others	Movie 480i	Movie Others	Pro 480i	Pro Others
41	YMG	3	3	3	3	3	3	3	3	3

Item No. Name On-Set Data Initial Data

42	YEG	0	1
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Item No.	Name	On-Set Data	Vivid 480i	Vivid Others	Standard 480i	Standard Others	Movie 480i	Movie Others	Pro 480i	Pro Others
43	YEL	6	6	6	6	6	6	6	6	6
44	YLM	6	6	6	6	6	6	6	6	6
45	CLV	10	15	15	10	10	10	10	8	8

Item No. Name On-Set Data Initial Data

46	CNT	1	1
47	CPL	1	1

Item No.	Name	On-Set Data	Vivid 480i	Vivid Others	Standard 480i	Standard Others	Movie 480i	Movie Others	Pro 480i	Pro Others
48	CMG	3	3	3	3	3	3	3	3	3
49	CCR	3	6	6	6	6	6	6	6	6
50	CLM	6	6	6	6	6	6	6	6	6

Item No. Name On-Set Data Initial Data

51	NVSL	20	20
52	NVSH	1	0
53	NHS	16	16
54	NVEL	244	244
55	NVEH	0	0
56	NHE	120	120

Item No.	Name	On-Set Data	Vivid 480i	Vivid Others	Standard 480i	Standard Others	Movie 480i	Movie Others	Pro 480i	Pro Others
57	YNG	3	3	3	3	3	3	3	3	3
58	COR	0	0	0	0	0	0	0	0	0
59	LPF	0	0	0	0	0	0	0	0	0
60	YLT	6	0	0	0	0	0	0	0	0
61	YNC	8	15	15	10	10	10	10	8	8
62	YCO	0	0	0	0	0	0	0	0	0

Item No. Name On-Set Data Initial Data

63	ADTH	0	0
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HDMI

0	WP	0	0*
1	INP	0	1
2	INFO	0	0*

OP

0	DLY1	4	4
1	DLY2	12	12
2	DLY3	7	7
3	OSDH	17	20
4	HDPT	1	1
5	MSBG	0	0
6	AACK	2	2*
7	RAMW	0	0*

NOTE: CXA2170 setting.

Item No.	Name	On-Set Data	US	Canada	Hawaii (2)
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ID

0	ID0	89	89	89	89
1	ID1	217	217	217	217
2	ID2	239	239	239	239
3	ID3	106	106	90	106
4	ID4	195	195	195	195
5	ID5	240	240	240	240
6	ID6	176	176	176	176
7	ID7	16	16	16	16

(2) Used in model KV-36HS420.

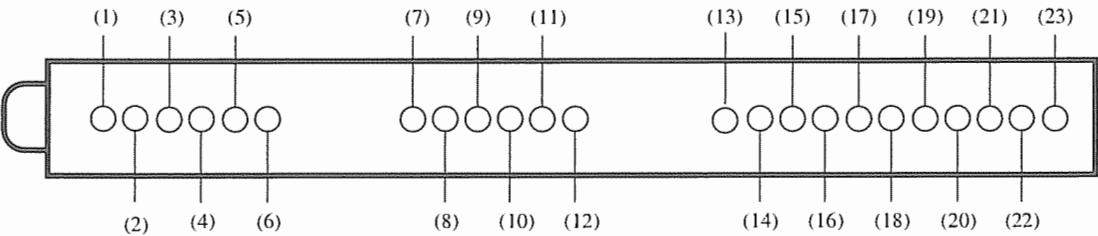
TUNER INFORMATION

TUNER VOLTAGE CHART

Pin	Pin Name	Voltage	Pin	Pin Name	Voltage	Pin	Pin Name	Voltage
(1)	9V	8.9V	(9)	VIF	0V	(17)	MODE	.1V
(2)	30V	33.0V	(10)	9V	8.9V	(18)	F MONO	0V
(3)	AS	4.9V	(11)	AFT OUT	5.3V	(19)	NC	0V
(4)	SCL	4.5V	(12)	GND	0V	(20)	MUTE	0V
(5)	SDA	4.5V	(13)	DET OUT 2	5.9V	(21)	MOUT	0V
(6)	5V	4.9V	(14)	DET OUT	5.1V	(22)	ROUT	4.1V
(7)	GND	0V	(15)	ST LED	0V	(23)	LOUT	4.1V
(8)	AGC	7.3V	(16)	BTL LED	3.3V			

NOTE: Voltages do not change on different bands.

TUNER TERMINAL GUIDE



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.
- Where items may be replaced with equivalent parts, several alternates are shown from participating vendors.
- 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

Participating Vendors

Information on test equipment and replacement parts is listed in these pages for the following participating vendors.

- NTE Electronics, Inc. (NTE)
- Sencore, Inc.

PARTS LIST

Item No.	Type No.	Mfr. Part No.	NTE Part No.
D501, 02	1SS133T-77	8-719-991-33	NTE519
D503	S1VB40	8-719-511-40	NTE168
D504, 05	1SS133T-77	8-719-991-33	NTE519
D508 Thru			
D517	1SS133T-77	8-719-991-33	NTE519
D519 Thru			
D527	1SS133T-77	8-719-991-33	NTE519
D530, 31	MTZJ-T-77-22B	8-719-924-13	-
D534, 35	1SS133T-77	8-719-991-33	NTE519
D540, 41, 48	1SS133T-77	8-719-991-33	NTE519
D900, 03	RD12ESB2	8-719-110-31	NTE5021A
D1051, 52	LNK012022G	8-719-070-80	-
D1100, 01, 03	DTZ10B	8-719-977-28	-
D1501 Thru			
D1517	DTZ10B	8-719-977-28	-
D1518	DAN202K	8-719-914-43	NTE595
D1519 Thru			
D1535	DTZ10B	8-719-977-28	-
D5001	UDZSTE-174.7B	8-719-083-60	-
D5002	GP08D	8-719-908-03	NTE116
D5003	D2L20U	8-719-028-45	-
D5004	USZS-TE17-12B	8-719-083-82	-
D5005 Thru			
D5008	MA111-TX	8-719-404-50	-
D5010	MA111-TX	8-719-404-50	-
D5011	RD3.0ESB2	8-719-109-63	-
D5014	D5LC20U-4012	8-719-075-66	-
D5016, 17	D2L20U	8-719-028-45	-
D5018	UDZS-TE17-15B	8-719-083-83	-
D5019	MA111-TX	8-719-404-50	-
D5023	FMQ-G5FMS	8-719-061-21	-
D5027, 28, 32	MA111-TX	8-719-404-50	-
D5035, 36	EL1Z	8-719-302-43	NTE587
D5501, 02	MA111-TX	8-719-404-50	-
D5504, 06, 08	MA111-TX	8-719-404-50	-
D5511, 12	1PS226-115	8-719-062-51	-
D5513	MA111-TX	8-719-404-50	-
D5514	S2L60F	8-719-060-90	-
D5515	MA111-TX	8-719-404-50	-
D6502	UF4005PKG23	8-719-979-64	-
D6504	D5LC20U-4012	8-719-075-66	-
D6505	MA111-TX	8-719-404-50	-
D6508	MTZJ-33C	8-719-982-27	-
D6509, 10	ERC04-06SE	8-719-068-00	-
D6513	D10SC4M	8-719-510-12	NTE6085
D6514	D4SBS6-F	8-719-060-89	-
D6516	D5LC20U-4012	8-719-075-66	-
D6518	D1NL40-TA2	8-719-052-90	-
D6519, 20	D1NL20U-TR2	8-719-063-74	-
D6521	MA111-TX	8-719-404-50	-
D6523	D4SBS6-F	8-719-060-89	-
D6524	D4SBL20µF3	8-719-062-40	-
D6525	MTZJ-33C	8-719-982-27	-
D6530	D4SB60L	8-719-510-53	NTE5319
D6532	ERA22-08	8-719-948-45	NTE558
D6533, 34, 37	MA111-TX	8-719-404-50	-
D6538	RD5.1ESB2	8-719-109-85	NTE5010A
D8001, 03, 05	MA111-TX	8-719-404-50	-
D8006	D1NL20U-TR2	8-719-063-74	-
D8007	MA111-TX	8-719-404-50	-
D8009	UDZS-TE17-15B	8-719-083-83	-
D8010	UF4005PKG23	8-719-979-64	-
D8011, 12	RD15ESB2	8-719-110-41	NTE5024A
D8013, 14	UDZS-TE17-15B	8-719-083-83	-
D8015	MA111-TX	8-719-404-50	-
D8016, 17, 18	ERA22-08	8-719-948-45	NTE558
D8022	D1NL20U-TR2	8-718-063-74	-
D8023, 24	RD5.1ESB2	8-719-109-85	NTE5010A

PARTS LIST continued

Item No.	Type No.	Mfr. Part No.	NTE Part No.
D8026	MA111-TX	8-719-404-50	-
D8028	UDZSTE-175.1B	8-719-069-54	-
D8030	UDZSTE-1718B	8-719-083-66	-
D8031	-	-	-
D8034	MTZJ-7.5B	8-719-921-63	-
D8140	MA111-TX	8-719-404-50	-
D9002	DTZ10B	8-719-977-28	-
D9005	MA111-TX	8-719-404-50	-
D9006, 07, 08	HSS83TD	8-719-051-85	-
D9009	GP08D	8-719-908-03	NTE116
D9010	RD10ESB2	8-719-110-17	NTE5019A
IC501	BA05T	8-759-450-47	-
IC502	PQ30RV21	8-759-520-49	-
IC504	PQ05RD21	6-700-898-01	-
IC505	PQ09RD21	8-759-653-07	-
IC508, 09	TA8216H	8-759-246-70	-
IC900	STK390-910	8-749-016-08	-
IC903	CXA8070AP	8-759-595-52	-
IC1502	CXA2069Q	8-752-080-04	-
IC1505	M52055FP	8-759-548-56	-
IC5001	NJM2904M	8-759-701-01	NTE928SM
IC5002	NJM2903M	8-759-700-07	NTE943SM
IC5003	NJM2904M	8-759-701-01	NTE928SM
IC5004	STV9379A	8-759-696-71	-
IC5005	LA6500-FA	8-759-803-42	-
IC5006	PQ6RD83D	8-749-013-76	-
IC5007	LM2901M	8-759-981-61	NTE834SM
IC5502	LM2901M	8-759-981-61	NTE834SM
IC5504, 06	LA6500-FA	8-759-803-42	-
IC5511	NJM2904M	8-759-701-01	NTE928SM
IC5512	LM7912CT	8-759-929-65	NTE967
IC5515	NJM2904M	8-759-701-01	NTE928SM
IC6501	MCZ3001DB	6-705-810-01	-
IC6502	PQ12RD21	6-700-897-01	-
IC6503	DM-58	8-749-012-13	-
IC6505	SE-140N	8-749-921-86	-
IC8001	NJM2903M	8-759-700-07	NTE943SM
IC8002	MCZ3001DB	6-705-810-01	-
IC8004	NJM2904M	8-759-701-01	NTE928SM
# IC8005	TL1431ACZ-AP	6-706-127-01	-
IC8006	NJM2903M	8-759-700-07	NTE943SM
# IC8104	TL1431ACZ-AP	6-706-127-01	-
IC9001, 02, 03	TDA6111Q/N4	8-759-360-83	-
IC9100	LA6510	8-759-822-38	-
PH6501, 02	PC123Y22	8-749-016-81	-
PH8001, 03, 04	PC123Y22	8-749-016-81	-
Q501	2SD601A-Q	8-729-422-27	NTE2408
Q502, 03, 05	2SB709A-QRS-TX	8-729-424-02	NTE2409
Q507	2SD601A-Q	8-729-422-27	NTE2408
Q508, 10, 12	2SB709A-QRS-TX	8-729-424-02	NTE2409
Q513	2SD601A-Q	8-729-422-27	NTE2408
Q514	2SB709A-QRS-TX	8-729-424-02	NTE2409
Q515 Thru			
Q520	2SD601A-Q	8-729-422-27	NTE2408
Q524	2SD601A-Q	8-729-422-27	NTE2408
Q527	2SB709A-QRS-TX	8-729-424-02	NTE2409
Q529	2SD601A-Q	8-729-422-27	NTE2408
Q1501 Thru			
Q1504	2SB709A-QRS-TX	8-729-424-02	NTE2409
Q1505, 06	2SD601A-Q	8-729-422-27	NTE2408
Q1507	2SB709A-QRS-TX	8-729-424-02	NTE2409
Q1508, 09, 10	2SD601A-Q	8-729-422-27	NTE2408
Q1511, 12	2SB709A-QRS-TX	8-729-424-02	NTE2409
Q1513	2SD601A-Q	8-729-422-27	NTE2408
Q1515	2SB709A-QRS-TX	8-729-424-02	NTE2409
Q1516, 18	2SD601A-Q	8-729-422-27	NTE2408
Q1519	2SB709A-QRS-TX	8-729-424-02	NTE2409
Q1520, 21	2SD601A-Q	8-729-422-27	NTE2408

Item No.	Type No.	Mfr. Part No.	NTE Part No.
Q1522	2SB709A-QRS-TX	8-729-424-02	NTE2409
Q1523, 24	2SD601A-Q	8-729-422-27	NTE2408
Q5001	2SD601A-Q	8-729-422-27	NTE2408
Q5002	2SB709A-QRS-TX	8-729-424-02	NTE2409
Q5003	IRF19630G-LF	8-729-027-97	-
Q5004	2SA1208S-TP	8-729-019-57	-
Q5005, 06	2SD601A-Q	8-729-422-27	NTE2408
Q5007	2SB709A-QRS-TX	8-729-424-02	NTE2409
Q5008 Thru			
Q5011	2SD601A-Q	8-729-422-27	NTE2408
Q5012	2SC2688-LK	8-729-119-80	NTE157
Q5013, 14	2SB709A-QRS-TX	8-729-424-02	NTE2409
Q5015	2SC4634LS-CB11	8-729-046-80	-
Q5018, 19	2SD601A-Q	8-729-422-27	NTE2408
Q5020	2SB709A-QRS-TX	8-729-424-02	NTE2409
Q5021	2SD601A-Q	8-729-422-27	NTE2408
Q5022	2SB709A-QRS-TX	8-729-424-02	NTE2409
Q5023, 24	2SD601A-Q	8-729-422-27	NTE2408
Q5025	2SB709A-QRS-TX	8-729-424-02	NTE2409
Q5026	2SD601A-Q	8-729-422-27	NTE2408
Q5027	2SB709A-QRS-TX	8-729-424-02	NTE2409
Q5028	2SK2251-01-F19	8-729-038-83	-
Q5030	2SC5682-RB	6-550-168-01	-
Q5031	2SK3579-01MR-F119	6-550-188-01	-
Q5035, 36	2SD601A-Q	8-729-422-27	NTE2408
Q5501, 02, 03	2SD601A-Q	8-729-422-27	NTE2408
Q5504	2SB709A-QRS-TX	8-729-424-02	NTE2409
Q5505, 06	2SD601A-Q	8-729-422-27	NTE2408
Q5507	2SK2876-01MR-F122	8-729-052-29	-
Q5510, 12, 13	2SD601A-Q	8-729-422-27	NTE2408
Q5568	2SD601A-Q	8-729-422-27	NTE2408
Q5569	2SB709A-QRS-TX	8-729-424-02	NTE2409
Q6506, 07	IRFIB7N50A-LF31	8-729-052-32	-
Q6522	2SB709A-QRS-TX	8-729-424-02	NTE2409
Q6527	2SD601A-Q	8-729-422-27	NTE2408
Q6530	2SB709A-QRS-TX	8-729-424-02	NTE2409
Q6532	2SD601A-Q	8-729-422-27	NTE2408
Q8003, 04, 07, 08	2SD601A-Q	8-729-422-27	NTE2408
Q8011	2SB709A-QRS-TX	8-729-424-02	NTE2409
Q8013, 14	2SK3568	-	-
	IRFIB7N50A-LF31	8-729-052-32	-
Q8015	2SC2688-LK	8-729-119-80	NTE157
Q8016	2SA1776TV2Q	8-729-045-65	-
Q8018	2SC3840(3)	8-729-043-95	-
Q8019, 20	2SD601A-Q	8-729-422-27	NTE2408
Q8021, 22	2SB709A-QRS-TX	8-729-424-02	NTE2409
Q8023, 28, 34	2SD601A-Q	8-729-422-27	NTE2408
Q8035	2SB709A-QRS-TX	8-729-424-02	NTE2409
Q9001	2SB709A-QRS-TX	8-729-424-02	NTE2409
Q9003, 04, 05	2SD601A-Q	8-729-422-27	NTE2408
Q9009, 10, 11	2SB709A-QRS-TX	8-729-424-02	NTE2409
Q9014	2SC4632LS-CB7	8-729-823-81	-
Q9100, 01	2SD601A-Q	8-729-422-27	NTE2408
Q9102	2SB709A-QRS-TX	8-729-424-02	NTE2409
Q9103	2SD601A-Q	8-729-422-27	NTE2408
Q9104	2SB709A-QRS-TX	8-729-424-02	NTE2409
Q9105	2SD601A-Q	8-729-422-27	NTE2408
Q9106	2SB709A-QRS-TX	8-729-424-02	NTE2409
Q9107	2SD601A-Q	8-729-422-27	NTE2408
Q9108	2SB709A-QRS-TX	8-729-424-02	NTE2409
Q9109	2SD601A-Q	8-729-422-27	NTE2408
Q9110	2SC5511	8-729-045-04	-
Q9111	2SA2005	8-729-045-05	-
Q9121, 22	2SD601A-Q	8-729-422-27	NTE2408
Q9123, 24	2SB709A-QRS-TX	8-729-424-02	NTE2409
Item No.	Function/Rating	Mfr. Part No.	Notes
C501	.22 10% 275VAC	1-165-529-31	-

PARTS LIST continued

Item No.	Function/Rating	Mfr. Part No.	Notes
# C503	.22 10% 275VAC	1-165-529-31	-
# C512	.47 10% 275VAC	1-165-530-21	-
C5029	.01 2kV	1-115-349-51	-
C5057	470pF 10% 2kV	1-104-332-11	-
C5058, 59	680pF 10% 2kV	1-162-116-00	-
C5061	.0091 3% 1.5kV	1-117-839-21	-
C5065	.68 3% 400V	1-107-506-11	-
C5082	.0091 3% 1.5kV	1-117-839-21	-
C6525, 26	680pF 10% 1kV	1-125-969-91	-
C6532	.039 3% 800V	1-137-741-22	-
C8035, 36	330pF 5% 1kV	1-100-614-81	-
C8037	.047 3% 800V	1-165-953-11	-
C8046	100pF 5% 2kV	1-107-444-11	-
C8047	180pF 10% 2kV	1-162-130-11	-
C8063	.01 3% 800V	1-165-607-91	-
C9004	.0047 2kV	1-115-350-51	-
C9031	.0047 2kV	1-115-350-51	-
C9032	680pF 10% 2kV	1-162-116-00	-
# DY5000 (3)	Yoke	1-451-516-21	-
# DY5000 (4)	Yoke	8-451-512-12	-
# F501	Fuse	1-532-506-51	6.3Amp, 250V
FB500, 02	Ferrite Bead	1-412-911-11	-
FB5001	Ferrite Bead	1-410-397-21	-
FB5002	Ferrite Bead	1-543-298-11	-
FB5003	Ferrite Bead	1-410-397-21	-
FB5004	Ferrite Bead	-	-
FB5005	Ferrite Bead	-	-
FB6501	Ferrite Bead	1-410-397-21	-
FB6508, 09	Ferrite Bead	1-410-396-41	-
FB6519	Ferrite Bead	1-410-397-21	-
FB6520, 21	Ferrite Bead	1-412-911-11	-
FB8001, 02	Ferrite Bead	1-412-911-11	-
FB9100, 01	Ferrite Bead	1-410-397-21	-
FH501, 02	Fuse Holder	1-533-223-11	For F501
FL1103, 04	Filter	1-409-755-11	-
IC1051	Receiver	8-742-212-20	Remote, SBX3081-71
# J9001	Socket	1-451-544-11	CRT
J1100	Jack	1-770-053-12	Assembly
J1501	Jack	1-573-967-12	Assembly
J1502	Jack	1-750-516-21	Assembly
J1503	Jack	1-750-517-21	Assembly
J1504	Jack	1-750-517-21	Assembly
J1505	Jack	1-764-143-11	Control S Output
J1506	Jack	1-764-143-11	Control S Input
J1508	Jack	1-815-015-11	Assembly
J1509	Jack	1-815-015-11	Assembly
# L500, A (3)	Degaussing	1-456-472-21	-
# L500, A (4)	Degaussing	1-416-827-21	-
L502	10μH	1-412-525-31	-
L505, 06	100μH	1-469-320-21	-
L507	10μH	1-489-317-21	-
L508	22μH	1-412-529-11	-
# L510, 11	Line Filter	1-433-404-21	-
L900	56μH	1-408-612-31	-
L1502 Thru			
L1506	10μH	1-469-555-21	-
L5001	100μH	1-406-665-11	-
L5003	4mH	1-406-892-31	-
L5005	Horizontal Linearity	1-424-874-11	-
L5504, 05	10mH	1-406-989-21	-
L6501, 02, 03	10μH	1-412-525-31	-
L6505	100μH	1-406-665-11	-
L6506, 07	10μH	1-412-525-31	-
L6510, 11	6.8μH	1-412-523-41	-
L6514	10μH	1-412-525-31	-
L6517, 18	4.7μH	1-412-521-31	-
L8002	125μH	1-428-950-31	-
L8005	3.3mH	1-406-674-11	-
L9002, 03, 04	1μH	1-408-591-11	-

Item No.	Function/Rating	Mfr. Part No.	Notes
L9005	150μH	1-406-666-21	-
L9006	10μH	1-412-525-31	-
L9100	10μH	1-412-525-31	-
# P500	Line Cord	1-769-837-11	AC, Polarized
PS501	Fuse Link	1-532-984-11	2Amp, 50V
PS6505, 06, 50	Fuse Link	1-576-288-41	10Amp, 90V
# R509, 10	.47 5% 20W	1-244-270-11	-
R534	10K .5% 1/10W	1-218-716-11	-
R535	18K .5% 1/10W	1-218-722-11	-
R537	270K .5% 1/10W	1-218-750-11	-
R1102, 03, 07	75 .5% 1/10W	1-218-665-11	-
R1503, 04, 05	75 .5% 1/10W	1-218-665-11	-
R1508, 09, 10	75 .5% 1/10W	1-218-665-11	-
R1513, 59	75 .5% 1/10W	1-218-665-11	-
R1625, 26, 27	220 .5% 1/10W	1-218-676-11	-
R1630, 31, 32	220 .5% 1/10W	1-218-676-11	-
R1649 Thru			
R1660	220 .5% 1/10W	1-218-676-11	-
R5004, 07, 09, 11	120K .5% 1/10W	1-120-832-11	-
R5012	22K .5% 1/10W	1-218-724-11	-
R5013	2.2 5% 3W	1-216-393-00	-
R5016, 17	120K .5% 1/10W	1-208-832-11	-
R5020, 25	5600 .5% 1/10W	1-218-710-11	-
R5029	4700 .5% 1/10W	1-218-708-11	-
R5031	1000 .5% 1/10W	1-218-692-11	-
R5040	220K .5% 1/10W	1-218-748-11	-
R5043	4700 .5% 1/10W	1-218-708-11	-
R5046	1.8 1% 1/2W	1-214-798-21	-
R5052	1.5 1% 1/2W	1-214-796-00	-
R5063	18K .5% 1/10W	1-218-722-11	-
R5064	220K .5% 1/10W	1-218-748-11	-
R5065	270K .5% 1/10W	1-218-750-11	-
R5066	180K .5% 1/10W	1-218-746-11	-
R5068	270K .5% 1/10W	1-218-750-11	-
R5070	5600 .5% 1/10W	1-218-710-11	-
R5071	3300 .5% 1/10W	1-218-704-11	-
R5078	470 .5% 1/10W	1-218-684-11	-
R5079	15K .5% 1/10W	1-218-720-11	-
R5081	100K .5% 1/10W	1-218-740-11	-
R5082	10K .5% 1/10W	1-218-716-11	-
R5083	2200 .5% 1/10W	1-218-700-11	-
R5093	11K .5% 1/10W	1-218-717-11	-
R5101	4700 .5% 1/10W	1-218-708-11	-
R5102	1000 .5% 1/10W	1-218-692-11	-
R5103	2200 .5% 1/10W	1-218-700-11	-
R5108	68K .5% 1/10W	1-218-736-11	-
R5109	33K .5% 1/10W	1-218-728-11	-
R5120	2700 .5% 1/10W	1-218-702-11	-
R5131	3300 .5% 1/10W	1-218-704-11	-
R5132, 33	1000 5% 3W	1-215-917-11	-
R5135, 36	1000 5% 3W	1-215-917-11	-
R5147	3300 .5% 1/10W	1-218-704-11	-
R5170, 71	1000 5% 3W	1-215-917-11	-
R5501	39K .5% 1/10W	1-218-730-11	-
R5505	270K .5% 1/10W	1-218-750-11	-
R5518	33K .5% 1/10W	1-218-728-11	-
R5519	100K .5% 1/10W	1-218-740-11	-
R5522	10K .5% 1/10W	1-218-716-11	-
R5523	150K .5% 1/10W	1-218-744-11	-
R5529	2700 .5% 1/10W	1-218-702-11	-
R5533	100K .5% 1/10W	1-218-740-11	-
R5537	47K .5% 1/10W	1-218-732-11	-
R5540	2.2 1% 1/2W	1-214-800-11	-
R5544	10K .5% 1/10W	1-218-716-11	-
R5545	47K .5% 1/10W	1-218-732-11	-
R5549	1000 .5% 1/10W	1-218-692-11	-
R5553	22K .5% 1/10W	1-218-724-11	-
R5554	47K .5% 1/10W	1-218-732-11	-
R5556	4700 .5% 1/10W	1-218-708-11	-

PARTS LIST continued

Item No.	Function/Rating	Mfr. Part No.	Notes
R5557, 58	1000 .5% 1/10W	1-218-692-11	-
R5559	22K .5% 1/10W	1-218-724-11	-
R5561	100K .5% 1/10W	1-218-740-11	-
R5562	56K .5% 1/10W	1-218-734-11	-
R5578	39K .5% 1/10W	1-218-730-11	-
R5579	47K .5% 1/10W	1-218-732-11	-
R5580	22K .5% 1/10W	1-218-716-11	-
R5581	4700 .5% 1/10W	1-218-708-11	-
R5593	1000 .5% 1/10W	1-218-692-11	-
R5597	270K .5% 1/10W	1-218-750-11	-
R5711, 12	100K .5% 1/10W	1-218-740-11	-
R6501	56 .5% 1/10W	1-218-662-11	-
R6505	100 .5% 1/10W	1-218-668-11	-
R6513	470K 1% 1/4W	1-245-478-31	-
R6514	430K 1% 1/4W	1-245-477-31	-
# R6516	3.3 5% 10W	1-244-207-11	-
R6517	8200 .5% 1/10W	1-218-714-11	-
R6518	13K .5% 1/10W	1-218-719-11	-
R6526	.1 10% 1/2W Fusible	1-202-933-61	-
# R6590	680 5% 1/4W	1-249-415-11	-
R8004	4700 .5% 1/10W	1-218-708-11	-
R8007	2.2M 2% 1/4W	1-245-494-31	-
R8014	1000 .5% 1/10W	1-218-692-11	-
# R8015	2200 .5% 1/10W	1-218-700-11	-
# R8017	3600 .5% 1/10W	1-218-705-11	-
# R8019	13K .5% 1/10W	1-218-719-11	-
R8021	180 .5% 1/10W	1-218-674-11	-
R8026	1800 .5% 1/10W	1-218-698-11	-
R8027	68K .5% 1/10W	1-218-736-11	-
R8028	5600 .5% 1/10W	1-218-710-11	-
R8029	68K .5% 1/10W	1-218-736-11	-
R8030, 31	100K .5% 1/10W	1-218-740-11	-
# R8035	3900 .5% 1/10W	1-218-706-11	-
# R8036	560 1% 1/4W	1-215-415-00	-
# R8037 Thru			
# R8040	10K 1% 1/4W	1-215-445-00	-
# R8043	12K 1% 1/4W	1-215-447-00	-
R8046	1500 .5% 1/10W	1-218-696-11	-
R8049	100 .5% 1/10W	1-218-668-11	-
R8050	33 .5% 1/10W	1-218-656-11	-
R8051	.1 10% 1/2W Fusible	1-202-933-61	-
R8052	110K .5% 1/10W	1-218-741-11	-
R8053, 54	470K 1% 1/4W	1-245-478-31	-
R8056	8200 .5% 1/10W	1-218-714-11	-
R8057	13K .5% 1/10W	1-218-719-11	-
# R8078	100K .5% 1/10W	1-218-740-11	-
R8093	150K .5% 1/10W	1-208-834-11	-
R8101	150K .5% 1/10W	1-208-834-11	-
R8103	6800 .5% 1/10W	1-218-867-11	-
R8109	6800 5% 3W	1-215-922-00	-
R8110	330K .5% 1/10W	1-208-842-11	-
R8111	6800 5% 3W	1-215-922-00	-
R8113	330K .5% 1/10W	1-208-842-11	-
R8114	6800 5% 3W	1-215-922-00	-
R8116, 19	5600 5% 3W	1-216-485-11	-
# R8165	120K .5% 1/10W	1-218-742-11	-
R9007, 26, 31	2000 .5% 1/10W	1-208-789-11	-
R9033	12K 1% 1/4W	1-215-447-00	-
R9034	5600 1% 1/4W	1-215-439-00	-
R9035	2200 .5% 1/10W	1-208-790-11	-
R9037	100K 5% 3W	1-240-233-71	-
R9038, 39	2200 .5% 1/10W	1-208-790-11	-
R9043, 44	100K 5% 3W	1-240-233-71	-
R9074	1500 .5% 1/10W	1-216-655-11	-
R9089	10K .5% 1/10W	1-208-806-11	-
R9091	2200 1% 1/4W	1-215-429-00	-
R9106	9100 .5% 1/10W	1-218-715-11	-
R9120, 25	6800 .5% 1/10W	1-218-867-11	-

Item No.	Function/Rating	Mfr. Part No.	Notes
R9130	2200 .5% 1/10W	1-218-700-11	-
R9131	39K .5% 1/10W	1-218-730-11	-
R9132	7500 .5% 1/10W	1-218-713-11	-
R9135	1000 .5% 1/10W	1-218-692-11	-
R9138	6800 .5% 1/10W	1-218-712-11	-
R9139	1000 .5% 1/10W	1-218-692-11	-
R9141, 42	1 1% 1/4W	1-214-657-11	-
R9145, 50	6800 .5% 1/10W	1-218-712-11	-
# RV9001	110M	1-241-714-11	S VSTAT
# RY501	Relay	1-755-389-11	Degaussing
# RY6501	Relay	1-755-395-11	Power
# RY6502	Relay	1-755-389-11	Power
S1001	Switch	1-762-837-11	Volume +/-
S1002	Switch	1-762-837-11	Channel +/-
S1003	Switch	1-692-431-21	TV/Video
S1004	Switch	1-762-837-11	Select/MS
S1005	Switch	1-692-431-21	Right
S1006	Switch	1-762-837-11	Up/Down
S1007	Switch	1-692-431-21	Left
S1008	Switch	1-762-837-11	Menu/I Link
S1052	Switch	1-692-431-21	Power
SG8002	ARC Suppressor	1-517-499-21	-
SP1, 2	Speaker	1-825-840-11	-
T502	Standby	1-437-697-11	-
T5001	Power	1-437-669-21	-
T5002	Horizontal Drive	1-435-636-21	-
T6502	Converter	1-437-696-31	-
# T8001 (1)	Horizontal Output	1-453-464-11	-
T8003	Dynamic Focus	1-437-664-11	-
# TH501	Thermistor	1-803-970-11	-
TH5002	Thermistor	1-807-796-11	-
# TU502	Tuner	8-598-593-40	BTF-WA421
# V901 (3)	CRT	8-735-048-05	38RSN
# V901 (4)	CRT	8-735-047-05	34RSN, A80LPD80X
# VD501	Varistor	1-804-992-21	-
VD1102	Varistor	1-803-974-21	-
VD1512, 13, 16	Varistor	1-803-974-21	-
#	Coil Rotation	1-451-498-31	-
	Convergence Correction (3)	4-085-128-01	Piece A (110)
	Convergence Correction (4)	4-083-414-01	Piece A (110)
#	F Cable	1-829-088-11	Tuner RF Input
#	Focus HV	1-900-805-19	Wire Assembly
#	G2 (3)	1-900-805-22	Connector Assembly
#	G2 (4)	1-900-808-42	Wire Assembly
#	HV	1-251-715-22	Cap Assembly
	Magnet (3)	1-452-885-11	Landing
#	Neck Assembly	8-453-023-21	-
	PC Board	A-1302-941-A	AY
	PC Board	A-1302-940-A	BY
	PC Board	A-1400-550-A	CH
	PC Board	A-1302-936-A	DZ
	PC Board	A-1405-292-A	HAX
	PC Board	A-1302-942-A	HBY
	PC Board	A-1302-943-A	HCX
	PC Board	A-1302-937-A	MY
	PC Board (2)	A-1302-939-A	P
	PC Board (2)	A-1085-903-A	PA
	PC Board	A-1302-938-A	UY
	PC Board	A-1415-602-A	WY
	THL Correction	4-081-170-01	Plate
	Transmitter	1-478-709-11	Remote, RM-Y197
	Wedge (3)	2-164-116-01	Yoke Positioning (3 Used)
	Wedge (4)	4-053-005-01	Yoke Positioning (3 Used)

For SAFETY use only equivalent replacement part.
(1) Focus control part of T8001.
(2) PC Boards P and PA are interchangeable.
(3) Used in model KV-36HS420.
(4) Used in model KV-32HS420.

SONY

MODEL KV-36HS420 (CHASSIS SCC-S66T-A)