

**A300**

**Integrated  
Amplifier**

**Schematics & Bill of  
Materials**

## **A300 V2.0 Bill of Materials**

For this BOM use A500 BOM attached and A300 V2.0 additions and subtractions (pages 6 and 7 of this document)

A500RC INTEGRATED AMPLIFIER UK VERSION BOM

API0237/9

ITEM	LEVEL	FACTORY PART NO	DRAWING NO	DESCRIPTION	QTY	DESIGNATOR	COMMENTS
1	0			A500RC PACKED UK VERSION	1		
2	.1		API0069/2	CAMBRIDGE CARTON POLYFOAM	2		
3	.1	5013-400000-200	API0045/1	CARTON BOX CD4 W/HANDLE	1		PRINTED TO ARTWORK AP10046/2, AP10062/1
4	.1			CAMBRIDGE SRC - 01 REMOTE COMPLETE (BOXED)	1		MOUNTED INTO POLY PACKING AS PER DRAWING AP10506/1
5	.1			AA ALKALINE BATTERIES	2		FOR REMOTE. PLACE IN INSTRUCTION MANUAL POLYBAG
6	.1	5100-100000-100	API0059/1	A-SERIES AMPLIFICATION INSTRUCTION MANUAL	1		
7	.1		API0463/1	A500RC OWNERS' CERTIFICATE	1		
8	.1		API0281/1	A500RC CARTON LABEL (MODEL NO.)	1		FOR BOX
9	.1			SERIAL NUMBER LABEL, BLANK (6.5X35.5mm)	3		1 X REAR PANEL, 1 X BOX, 1 X SHIPPING CARTON
10	.1	5110-100000-900		ISO 9002 LABEL	1		AFFIXED TO REAR PANEL ABOVE IEC SOCKET
11	.1	5110-400000-000	API0087/2	"MADE UNDER LICENCE IN PRC" STICKER	1		AFFIXED TO REAR PANEL BELOW IEC SOCKET
12	.1	5200-173260-040		POLYBAG 173X260X4C mm	1		FOR INSTRUCTION MANUAL OWNERS CERTIFICATE AND REMOTE BATTERIES
13	.1	5299-523384-300	API0150/1	CAMBRIDGE AUDIO NON-WOVEN BLUE BAG	1		PACK AS PER DRAWING AP10500/1
14	.1			1830mm AC IEC POWER CORD SET BS STANDARD FUSED 3 AMP	1		MUST BE BS APPROVED
15	.1			RED TAPE SEAL FOR CAMBRIDGE CARTON	1		
16	.1			A500RC UK VERSION ASSEMBLED & TESTED	1		
17	.2		API0209/1	CAMBRIDGE SELECTOR KNOB MK3	4		
18	.2		API0224/1	CAMBRIDGE KNOB INSERT MK2	5		
19	.2		API0208/1	CAMBRIDGE VOLUME KNOB MK2	1		
20	.2	6010-150113-000	CAMA172D/A	A1MK2 POWER BAR	1		
21	.2	6010-150114-000	CANA183D/A	A1MK2 PLASTIC STANDOFF EXTENSION	4		
22	.2	6040-010103-000	API0028/1	CAMBRIDGE POWER KNOB	3		
23	.2	6040-010104-000	API0029/1	CD4 PLASTIC STAND (FOOT)	4		
24	.2	6040-010106-000	API0027/1	POWER KNOB BUSHING	3		HKENED960578
25	.2	6040-011601-000	API0042/1	CD4 CUSHION A (BLACK) DIA. 10X3mm W/D	3		ON FRONT PANEL HKENED960578
26	.2	6040-011603-000	API0041/1	CD4 CUSHION B (BLACK) 20X5X3mm W/D	3		ON REAR PANEL HKENED960578
27	.2	6040-011604-000	API0043/1	CD4 LEG PAD (BLACK) 29.5X10X5mm W/D	4		HKENED960578
28	.2	6090-050112-000	API0080/1	12.2MM PLASTIC STAND-OFF	4		
29	.2	6510-150241-000		A1 TOP COVER (MODIFIED)	1		MODIFIED TO DRAWING AP10019/3
30	...3	6510-150241-000-XXXX	CAMA107D	A1 TOP COVER	1		
31	.2		API0304/2	AMPLIFIER SUB-PANEL WITH TD & RC	1		
32	.2			A500RC FRONT PANEL (PUNCHED AND PRINTED)	1		PRINTED WITH ARTWORK AP10286/1, AP10287/1
33	...3		API0269/2	AMPLIFIER FRONT PANEL WITH RC & TD	1		
34	.2			A500RC REAR PANEL (PRINTED)	1		PRINTED WITH ARTWORK NO. AP10294/1
35	...3		API0276/1	AMPLIFIER REAR PANEL WITH IEC, 8RCA, 2 SPKR	1		
36	.2			CAMBRIDGE A1/A2/A3 BASE (MODIFIED)	1		MODIFIED TO AP10390/2
37	...3		CAMA164D/D	CAMBRIDGE A1/A2/A3 BASE	1		
38	.2		API0384/3	POWER PCB STANDOFF	2		
39	.2		API0349/2	HEATSINK & PCB SUPPORT BRACKET	4		
40	.2			NYLON 66 PCB SPACER WASHER	6		AS HEYCO PART NO. 041 3991
41	.2			REMOTE EYE ASSEMBLY	1		
42	...3		API0246/4	CAMBRIDGE REMOTE EYE	1		
43	...3			SCREW M2.6X6 P.T.P. B/H	2		REMOTE PCB TO REMOTE EYE X 2
44	...3			REMOTE EYE PCB ASSEMBLY	1		
45	...4			REMOTE EYE PCB	1		
46	...4			INFRARED SENSOR SBX1910-52	1		
47	...4	1106-104053-000		CERAMIC CAP MULTILAYER MONOLITHIC 100nF/63V +/-10%	1		
48	...4		API0450/2	170mm 3 WAY SHIELDED SINGLE CONNECTOR JST TYPE CABLE	1		REMOTE EYE PCB TO CN4
49	.2			IEC POWER SOCKET ASSEMBLY	1		
50	...3			IEC POWER SOCKET NICKEL PLATED SOLDER TAG TYPE	1		
51	...3		API0457/1	230mm DOUBLE INSULATED TWIN (2 X 0.75mm) AC POWER CORD	1		BS STANDARD
52	...3		API0162/1	160mm GROUND WIRE 1 RING (M4) AWG#20 UL1015 GREEN	1		IEC GND TAB TO CHASSI GND
53	.2		API0447/1	230mm 6 WAY SHIELDED DOUBLE CONNECTOR JST TYPE CABLE	2		CN1 TO CN101 / CN6 TO CN103
54	.2		API0448/2	250mm 2 WAY DOUBLE CONNECTOR JST TYPE CABLE	1		CN203 TO CN2
55	.2		API0453/3	VARIOUS LENGTH 4 WAY TRIPLE CONNECTOR JST TYPE CABLE	1		CN104 TO CN201 AND CN204
56	.2		API0452/2	230mm 4 WAY SINGLE CONNECTOR JST TYPE CABLE	1		RED/ORG/BL/BR (POWER PCB) TO CN102
57	.2		API0449/1	160mm 2 WAY SINGLE CONNECTOR JST TYPE CABLE	1		MOTOR TO CN3
58	.2			LED ASSEMBLY	1		
59	...3		API0451/1	415mm 3 WAY SINGLE CONNECTOR JST TYPE CABLE	1		LED TO CN5
60	...3			LED TRI-COLOUR (ORANGE/RED/GREEN) 3mm	1		PIN-OUT AS PER AP10451/1
61	...3	6010-150118-000	API0124/3	CAMBRIDGE AUDIO LED LIGHT GUIDE	1		AFFIX TO LED AS PER DRAWING NO. AP10466/1
62	.2	7002-620002-112		SCREW M2.6X16 P.T.P. B/H	4		TONE PCB TO PLASTIC STANDOFF X3/ INPUT PCB TO PLASTIC STANDOFF X1. HKENED960639
63	.2	7003-008001-111		SCREW M3X8 S.T.P. B/H BLK	26		FEET TO BASE X4/ BASE TO HEATSINK & PCB SUPPORT BRACKET X 8/ POWER PCB TO HEATSINK & PCB SUPPORT BRACKET X6/ HEATSINK TO HEATSINK & PCB SUPPORT BRACKET X8
64	.2	7003-006003-111		SCREW M3X6 B.T.B. B/H BLK	3		BASE TO FRONT PANEL (BOTTOM) X 3
65	.2	7003-006001-111		SCREW M3X6 S.T.P. B/H (BLACK)	9		TOP COVER TO REAR PANEL X2/REAR PANEL TO BASE X7/
66	.2			MACHINE SCREW M3X6 B/H (BLACK)	2		POWER PCB TO POWER PCB STANDOFF X2
67	.2			MACHINE SCREW M3X6 PW/H (BLACK)	2		BASE TO POWER PCB STANDOFF X2
68	.2	7003-006001-131		SCREW M3X6 S.T.P. PW/H (BLK)	4		TOP COVER TO BASE (L& R) X4
69	.2	7003-006010-101		SCREW M3X6 K/H (BLK)	8		SUB PANEL TO BASE X4/FRONT PANEL TO SUB PANEL (TOP) X2/ SOURCE SWITCH TO SUB-PANEL X2
70	.2	6600-120030-001		NUT M3 HEX M3X5.5X2.4mm	2		IEC TO REAR PANEL
71	.2			BOLT M3X10 B/H	2		IEC TO REAR PANEL
72	.2	7003-008002-111		SCREW M3X8 P.T.P. B/H (BLACK)	10		SPEAKER TERMINAL TO REAR PANEL X6/RCA TERMINAL TO REAR PANEL X4
73	.2			SCREW NUT M3	4		IC5 TO SHELF HEATSINK BASE X 4
74	.2	7003-008010-112		SCREW M3X12 B/H	4		IC5 TO SHELF HEATSINK BASE X 4
75	.2	7103-206504-082		EX-TOOTHED LOCKWASHER M3	4		IC5 TO SHELF HEATSINK BASE X 4
76	.2	6600-120040-000		SCREW NUT M4X7X3	1		POWER BOARD EARTH CONNECTION
77	.2	7004-010010-022		SCREW M4X10 M.C. P/H	1		POWER BOARD EARTH CONNECTION
78	.2	7104-308504-082		EX-TOOTHED LOCKWASHER M4	1		POWER BOARD EARTH CONNECTION
79	.2	7003-006001-111		SCREW M3 x 6 STP B/H (BLACK)	1		INPUT BOARD EARTH CONNECTION
80	.2	7003-012010-002		SCREW M3X12 M/C PLASTIC KNOB H W/EXT TOOTH WSHR ZN	1		PHONO GND SCREW ON REAR PANEL
81	...3		API0692/1	INSULATING MICA WASHER - FOR SAP15N/P	4		TO ISOLATE U201, U202, U205, U206 FROM HEATSINK
82	.2		API0417/3	SHELF HEAT SINK ASSEMBLY (PUNCHED FOR COMPONENT MOUNTING)	2		SUPPLIED ASSEMBLED - PARTS MANUFACTURED TO AP10363/1, AP10364/2, AP10365/1

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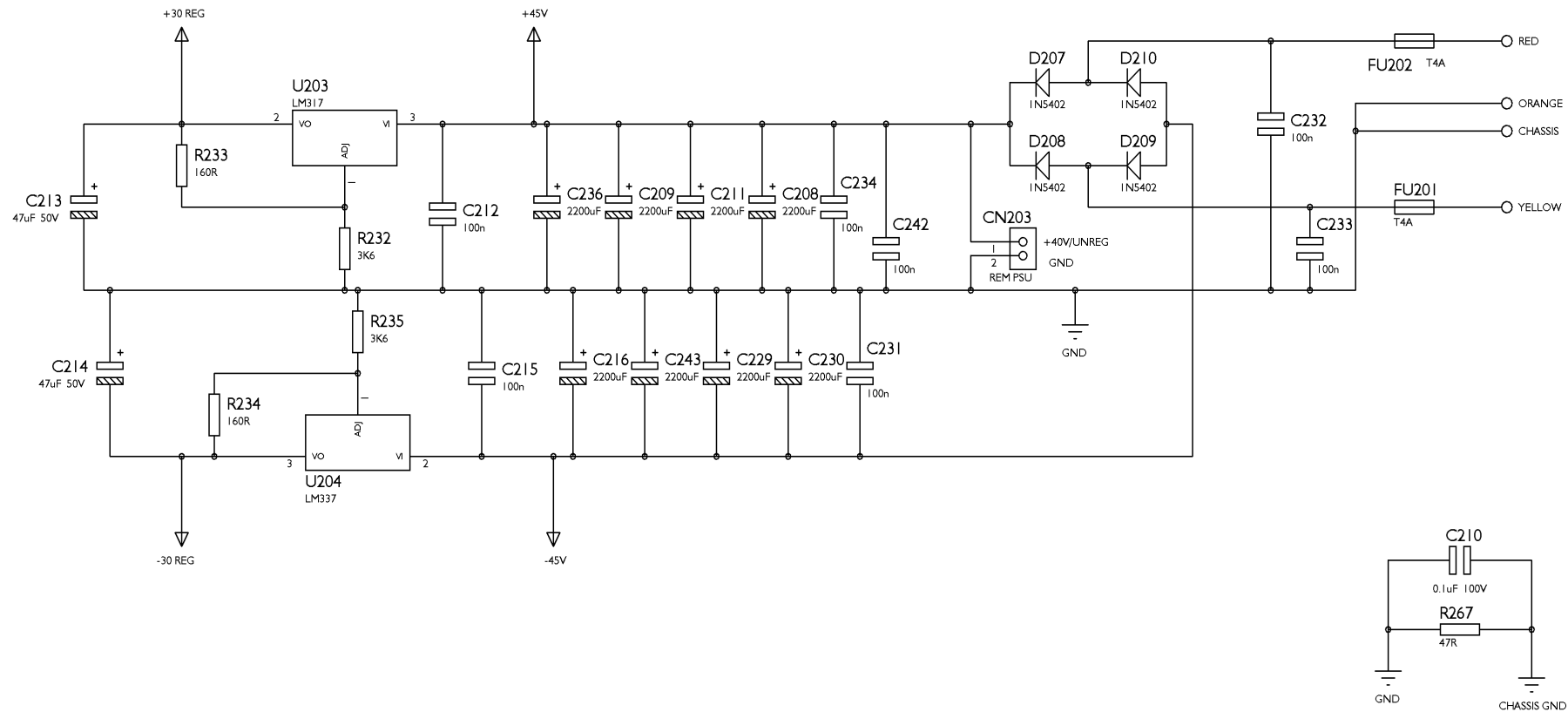
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83	..2		API0366/2	TRANSFORMER ASSEMBLY	1		
84	...3			230V 120VA 30VAC x2 TOROID TRANSFORMER	1	TR1	
85	...3	7006-055010-112		M6X55 BOLT	1		FOR TRANSFORMER
86	...3	6600-120060-000		M6 NUT	1		ABOVE LOCKWASHER
87	...3	7106-000000-020		M6 INTERNAL TOOTHED LOCKWASHER	1		ABOVE DISHED WASHER
88	...3	7106-087000-020		STEEL DISHED WASHER INTERNAL 6.5mm EXTERNAL 87mm	1		ABOVE TOP NEOPRENE WASHER
89	...3	7106-07000-020		STEEL FLAT WASHER INTERNAL 6.5mm EXTERNAL 70mm	1		OUTSIDE AMPLIFIER BASE
90	...3	7106-087000-010		NEOPRENE WASHER INTERNAL 6.5mm EXTERNAL 87 mm	2		ABOVE AND BELOW TRANSFORMER
91	...3		API0419/1	CAMBRIDGE TOROID PLATE STICKER 085141	1		AFFIX TO STEEL DISHED WASHER
92	..2	9110-003750-000		CABLE TIE NYLON 3 X 75MM	11		
93	..2			POWER PCB ASSEMBLY POPULATION REVISION A	1		
94	...3		API0689/1	POWER PCB	1		
95	...3			METAL FILM RESISTOR 330K 1/4W +/-1%	2	R201, R266	
96	...3			METAL FILM RESISTOR 33K 1/4W +/-1%	6	R202, R210, R223, R247, R255, R262	
97	...3			METAL FILM RESISTOR 4K7 1/4W +/-1%	2	R203, R248	
98	...3			METAL FILM RESISTOR 1K 1/4W +/-1%	4	R204, R218, R246, R253	
99	...3			METAL FILM RESISTOR 15R 1/4W +/-1%	4	R205, R206, R244, R249	
100	...3			METAL FILM RESISTOR 820R 1/4W +/-1%	2	R207, R243	
101	...3			METAL FILM RESISTOR 390R 1/4W +/-1%	2	R208, R242	
102	...3			METAL FILM RESISTOR 220R 1/4W +/-1%	2	R209, R263	
103	...3			METAL FILM RESISTOR 4R7 3W +/-1%	2	R211, R261	
104	...3			METAL FILM RESISTOR 22K 1/4W +/-1%	4	R212, R227, R238, R259	
105	...3			METAL FILM RESISTOR 270R 1/4W +/-1%	4	R214, R225, R239, R260	
106	...3			METAL FILM RESISTOR 47R 1/4W +/-1%	11	R215, R216, R219, R229, R230, R236, R237, R252, R256, R257, R267	
107	...3			METAL FILM RESISTOR 100R 1/4W +/-1%	8	R217, R222, R228, R241, R254, R265, R213, R258	
108	...3			METAL FILM RESISTOR 82R 1/4W +/-1%	6	R220, R221, R226, R240, R250, R251	
109	...3			METAL FILM RESISTOR 2R2 3W +/-1%	2	R224, R264	
110	...3			METAL FILM RESISTOR 4K7 3W +/-1%	2	R231, R245	
111	...3			METAL FILM RESISTOR 3K6 1/4W +/-1%	2	R232, R235	
112	...3			METAL FILM RESISTOR 160R 1/4W +/-1%	2	R233, R234	
113	...3			CAPACITOR ELECTROLYTIC NON POLAR 1uF 16V 8mm PITCH	2	C201, C226	
114	...3			CAPACITOR ELECTROLYTIC 100uF 63V	10	C203, C207, C217, C219, C224, C228, C237, C240, C241, C244	
115	...3			CAPACITOR ELECTROLYTIC 47uF 50V	2	C213, C214	
116	...3			CAPACITOR ELECTROLYTIC 10uF 16V	2	C220, C238	
117	...3			CAPACITOR ELECTROLYTIC 2200uF 50V	8	C208, C209, C211, C216, C229, C230, C236, C243	
118	...3			CAPACITOR CERAMIC DISC 47pF 100V	6	C202, C206, C218, C223, C227, C239	
119	...3			CAPACITOR CERAMIC DISC 12pF 100V	2	C204, C221	
120	...3			CAPACITOR CERAMIC DISC 100pF 100V	2	C225, C235	
121	...3			CAPACITOR CERAMIC MULTILAYER MONOLYTHIC 100n 100V+20%/-80%	10	C205, C210, C222, C212, C215, C231, C232, C233, C234, C242	
122	...3			SAP15N SANKEN TRANSISTOR	2	U201, U205	
123	...3			SAP15P SANKEN TRANSISTOR	2	U202, U206	
124	...3			LM317 POSITIVE REGULATOR	1	U203	
125	...3			LM337 NEGATIVE REGULATOR	1	U204	
126	...3			MPSA43 NPN TRANSISTOR (E LINE)	10	Q201, Q202, Q207, Q209, Q210, Q215, Q217, Q218, Q220, Q221	
127	...3			MPSA93 PNP TRANSISTOR (E LINE)	8	Q203, Q204, Q205, Q208, Q212, Q213, Q216, Q222	
128	...3			MJE350 PNP TRANSISTOR (TO126)	2	Q206, Q214	
129	...3			MJE340 NPN TRANSISTOR (TO126)	2	Q211, Q219	
130	...3			5mm RED LED	2	D201, D211	
131	...3			IN4148 SIGNAL DIODE	4	D202, D205, D212, D215	
132	...3			IN4004 DIODE	4	D203, D204, D213, D214	
133	...3			3V3 600mW ZENER DIODE	2	D206, D216	
134	...3			IN5402 DIODE	4	D207, D208, D209, D210	
135	...3			CONNECTOR WAFER JST TYPE TYPE 2WAY 2.5mm PITCH	2	CN201, CN203, CN204	
136	...3			SPEAKER JACK B30897090N NICKEL FINISH	1	CN202	
137	...3			T4A FUSE	2	FU201, FU202	
138	...3			100R 10mm CARBON TRIMMER TOP ADJUST	2	RV201, RV202	
139	...3		API0703/1	OUTPUT INDUCTOR 18SWG 19.5 TURNS	2	W201, W202	
140	...3			UNINSULATED WIRE LINK 15mm DIAM = 1mm (20SWG)	6	LK201, LK202, LK203, LK204, LK205, LK206	
141	...3			UNINSULATED WIRE LINK 49mm DIAM = 1mm (20SWG)	2	LK207, LK208	
142	...4			49mm INSULATING SLEEVING ID1.2mm	1		TO COVER LINK LK202
143	...3			250mm INSULATED WIRE AWG#20 UL1015 RED	1		RIGHT CHANNEL SPEAKER CABLE
144	...3			200mm INSULATED WIRE AWG#20 UL1015 RED	1		LEFT CHANNEL SPEAKER CABLE
145	...3			240mm INSULATED WIRE AWG#20 UL1015 BLACK	1		LEFT CHANNEL SPEAKER CABLE
146	...3			220mm INSULATED WIRE AWG#20 UL1015 BLACK	1		RIGHT CHANNEL SPEAKER CABLE
147	...3			100mm INSULATED WIRE AWG#20 UL1015 BLACK	1		*1PAD TO *PAD (under PCB)
148	...3			70mm INSULATED WIRE AWG#20 UL1015 BLACK	2		**2PAD TO **PAD, **2PAD TO **PAD (under PCB)
149	...3			50mm INSULATED WIRE AWG#20 UL1015 BLACK	1		**1PAD TO **PAD (under PCB)
150	...3			STRAIGHT CONNECTOR WAFER 2 PIN 2.5mm PITCH JST TYPE	3	CN202, CN203, CN204	
151	..2			INPUT PCB ASSEMBLY POPULATION REVISION A	1		

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152	...3		API0381/1	INPUT PCB	1		
153	...3	2402-020200-000		PUSH SWITCH 2P2T WPA EF-6AL	1	SW1	
154	...3			ROTARY SWITCH 4P5T TMEC R5003-A045BHn-157	1	SW2	5-WAY
155	...3	2330-006911-021		RCA JACK 4P RJ-1019-010 GOLD FINISH	4	CN10,CN11, CN12,CN13	
156	...3			UNINSULATED WIRE LINK 15mm DIAM = 0.7mm (22SWG)	11	LK1-LK11	
157	...3			UNINSULATED WIRE LINK 7.5mm DIAM = 0.7mm (22SWG)	2	LK12/LK13	
158	...3		API0162/1	160mm GROUND WIRE 1 RING (M4) AWG#20 UL1015 GREEN	1		CHASSIS GND
159	...3			METAL FILM RESISTOR 3K6 OHM 1/4W +/- 1%	1	R1	
160	...3			METAL FILM RESISTOR 160 OHM 1/4W +/- 1%	1	R2	
161	...3	1013-302014-000		METAL FILM RESISTOR 3K3 OHM 1/4W +/- 1%	2	R3,R5	
162	...3	1012-201014-000		METAL FILM RESISTOR 220 OHM 1/4W +/- 1%	2	R6,R7	
163	...3	1012-205014-000		METAL FILM RESISTOR 2M2 OHM 1/4W +/- 1%	2	R8,R9	
164	...3	1011-002014-000		METAL FILM RESISTOR 1K OHM 1/4W +/- 1%	2	R10,R11	
165	...3	1012-200014-000		METAL FILM RESISTOR 22 OHM 1/4W +/- 1%	1	R12	
166	...3			METAL FILM RESISTOR 600 OHM 1/4W +/- 1%	2	R13,R14	
167	...3			CARBON FILM RESISTOR 330R OHM 2W +/- 5%	1	R4	RAISED OFF PCB
168	...3	1106-104053-000		CERAMIC CAP. MULTILAYER MONOLITHIC 100nF/63V +/-10%	11	C2,C3,C4,C5,C7, C10,C13,C15,C16, C18,C19	
169	...3	1102-100054-000		ELECT CAP 10uF/ 63V +/- 20%	1	C1	
170	...3	1102-470014-000		ELECT CAP 47uF/ 16V +/- 20%	3	C6,C14,C17	
171	...3	1100-220043-000		CERAMIC DISC CAP 22pF 50V	2	C8,C9	
172	...3			MYLAR FILM CAP 1n2F/100V +/- 10% 5mm PITCH	1	C11	
173	...3			MYLAR FILM CAP 10nF/100V +/- 10% 5mm PITCH	1	C12	
174	...3			INTEGRATED CIRCUIT 78L05 TO - 92	1	U3	
175	...3			INTEGRATED CIRCUIT MICROCHIP PIC 16C54 18 PIN DIL	1	U2	PROGRAMMED WITH SOFTWARE API0422/1
176	...3			INTEGRATED CIRCUIT 74HC14 14 PIN DIL	1	U4	
177	...3	4179-150311-600		INTEGRATED CIRCUIT 79L15 TO - 92	1	U5	
178	...3	4178-150311-600		INTEGRATED CIRCUIT 78L15 TO - 92	1	U7	
179	...3	4131-700310-000		INTEGRATED CIRCUIT LM317 TO - 220	1	U1	
180	...3	4155-320052-100		INTEGRATED CIRCUIT NE5532 8 PIN DIL	1	U6	
181	...3	1300-006390-121		TRANSISTOR BC639 TO92	2	Q2,Q3	
182	...3	1303-100001-000		TRANSISTOR VNI0LM TO237	2	Q1,Q4	
183	...3			OSCILLATOR CRYSTAL 2PIN XTAL 4Mhz 5mm PITCH	1	X1	
184	...3	1401-141480-000		DIODE 1N4148	7	D1,D2,D4-D8	
185	...3			ZENER DIODE BZX55C 5V6	1	D3	
186	...3			STRAIGHT CONNECTOR HEADER 6 PIN 2.5mm PITCH PIN L = 13mm JST TYPE	3	CN7-9	
187	...3	2300-006100-001		STRAIGHT CONNECTOR WAFER 6 PIN 2.5mm PITCH JST TYPE	2	CN1,CN6	
188	...3	2300-002100-003		STRAIGHT CONNECTOR WAFER 2 PIN 2.5mm PITCH JST TYPE	2	CN2,CN3	
189	...3			STRAIGHT CONNECTOR WAFER 3 PIN 2.5mm PITCH JST TYPE	2	CN4,CN5	
190	...3			SCREW NUT M3	2		PHONO BOARD LOCATING BOLT
191	...3	7003-014010-112		SCREW M3X14 B/H	1		PHONO BOARD LOCATING BOLT
192	...3	7103-206504-082		EX-TOOTHED LOCKWASHER M3	1		PHONO BOARD LOCATING BOLT
193	...3	6510-150239-000	API0001/2	CAMBRIDGE AUDIO SCREENING CAN	1	SH1	EMBOSSED WITH ARTWORK API0018/1
194	..2			PCB ASSEMBLY POPULATION REVISION A	1		
195	...3		API0382/1	TONE PCB	1		
196	...3	1014-703014-000		METAL FILM RESISTOR 47K OHM 1/4W +/-1%	2	R112,R114	
197	...3			METAL FILM RESISTOR 130K OHM 1/4W +/-1%	2	R111,R113	
198	...3	1013-903014-000		METAL FILM RESISTOR 39K OHM 1/4W +/-1%	10	R101,R102,R103, R104,R105,R106, R107,R108,R109, R110	
199	...3			VR 100K +/-20% B TYPE FOR TONE	2	VR101,VR102	
200	...3			VR 20K OHM +/-20% MIN CURSE FOR BALANCE	1	VR104	
201	...3			SOUNDWELL MOTORISED A100K POT RM16 SERIES 22mm LEGS	1	VR103	
202	...3	1106-104053-000		CERAMIC CAP MULTILAYER MONOLITHIC 100nF/63V +/-10%	8	C105,C106,C110, C111,C113,C115, C118,C119	
203	...3	1102-470014-000		ELECT CAP 47uF/16V +/-20%	4	C104,C109,C114, C117	
204	...3			CERAMIC DISC CAP 2p2F/50V D.C.	2	C116,C120	
205	...3	1100-567044-000		CERAMIC DISC CAP 5p6F/50V D.C.	2	C108,C112	
206	...3	1110-103094-000		X-TYPE CAP 0.01uF/250V MIN A.C. +/-20%	1	C121	
207	...3	1117-333053-000		POLYESTER MINIATURE BOX CAP 0.033UF/63V +/-10%	2	C101,C102	
208	...3	1109-331042-100		POLYSTYRENE CAP 330pF AXIAL 8mm LENGTH	2	C103,C107	
209	...3	4155-320052-100		INTEGRATED CIRCUIT NE5532 8 PIN DIL	2	U102,U105	
210	...3	4178-150311-600		INTEGRATED CIRCUIT REGULATOR 78L15	2	U103,U106	USE MOTOROLA, SAMSUNG OR JRC ONLY
211	...3	4179-150311-600		INTEGRATED CIRCUIT REGULATOR 79L15	2	U101,U104	USE MOTOROLA, SAMSUNG OR JRC ONLY
212	...3	2401-010100-001		POWER SW IPI T 250V/5A/TV3 (KNE-K1452)	1	SW101	WITH SAFETY APPROVALS
213	...3	2402-020200-000		PUSH SWITCH 2P2T WPA EF-6AL	1	SW102	
214	...3			STRAIGHT CONN WAFER 6 PIN 2.5mm PITCH JST TYPE	2	CN101,CN103	
215	...3			STRAIGHT CONN WAFER 4 PIN 2.5mm PITCH JST TYPE	2	CN102,CN104	
216	...3	4030-000343-120		FUSE T-2A 5X20mm BSI	1	F101	230V AC ONLY
217	...3	4031-050100-001		FUSE HOLDER 5X20MM PCB MOUNT WITH PLASTIC BASE	1		
218	...3	4034-000030-000		FUSE COVER FOR 5X20MM HOLDER BASE	1		
219	...3	6600-042304-000		EYELET 2.3X4mm	5		AC IN AND TRANSFORMER OUT HOLES
220	...3			UNINSULATED WIRE LINK 15mm DIAM = 0.7mm (22SWG)	11	LK101-LK111	LK112 NOT FITTED ON 230V VERSION
221	...3	6510-150239-000	API0001/2	CAMBRIDGE AUDIO SCREENING CAN	2	SH101,SH102	EMBOSSED WITH ARTWORK API0018/1



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GENERAL NOTES

- 1.
- 2.
- 3.
- 4.
- 5.

DRAWING TITLE  
**SAPI SN/P POWER AMP**

DRAWN BY  
**SC**

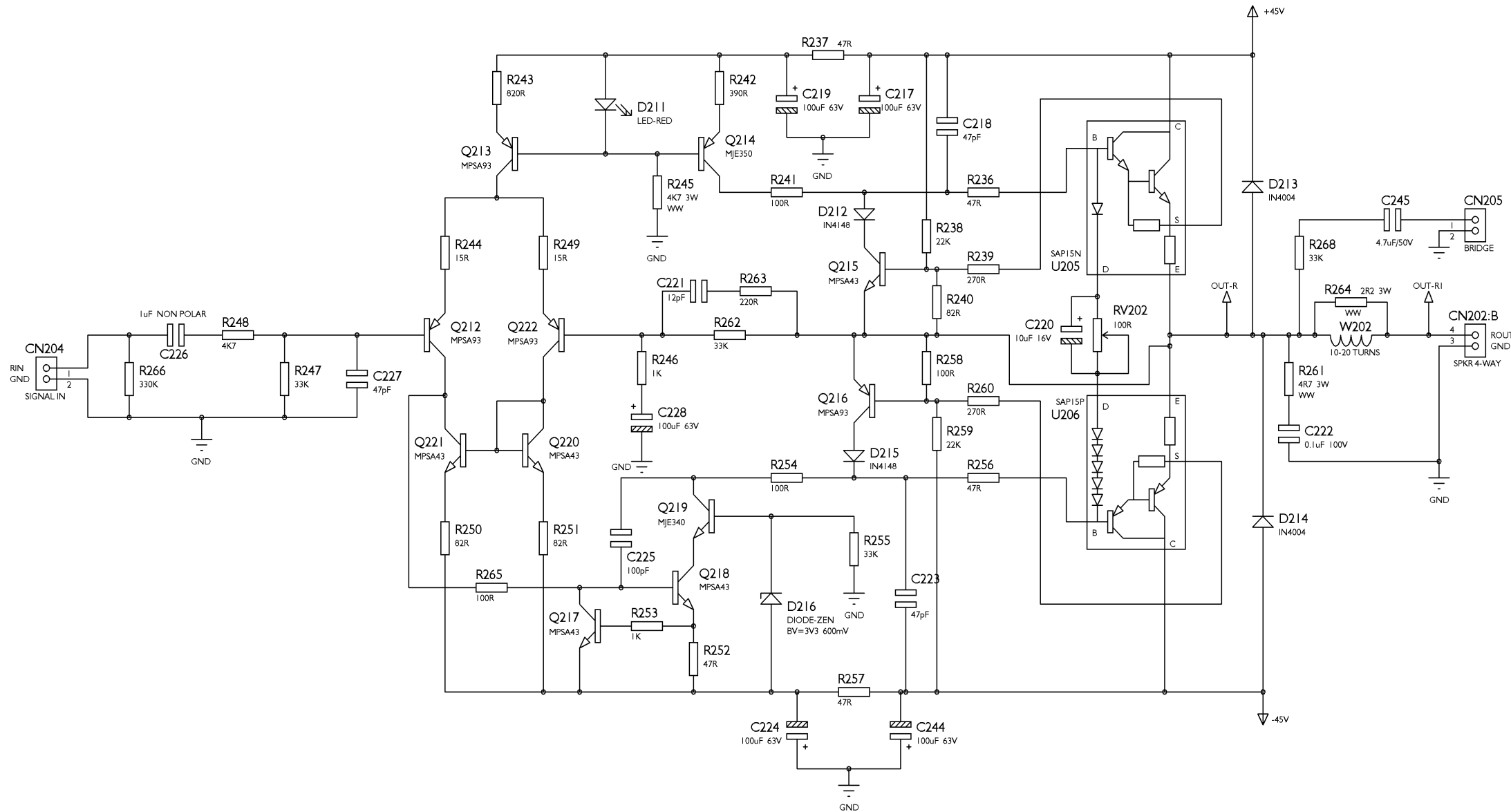
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**POWER SUPPLY**

DATE  
**11/30/99**

DRAWING No. **API0687/3**

PAGE  
**1/3**

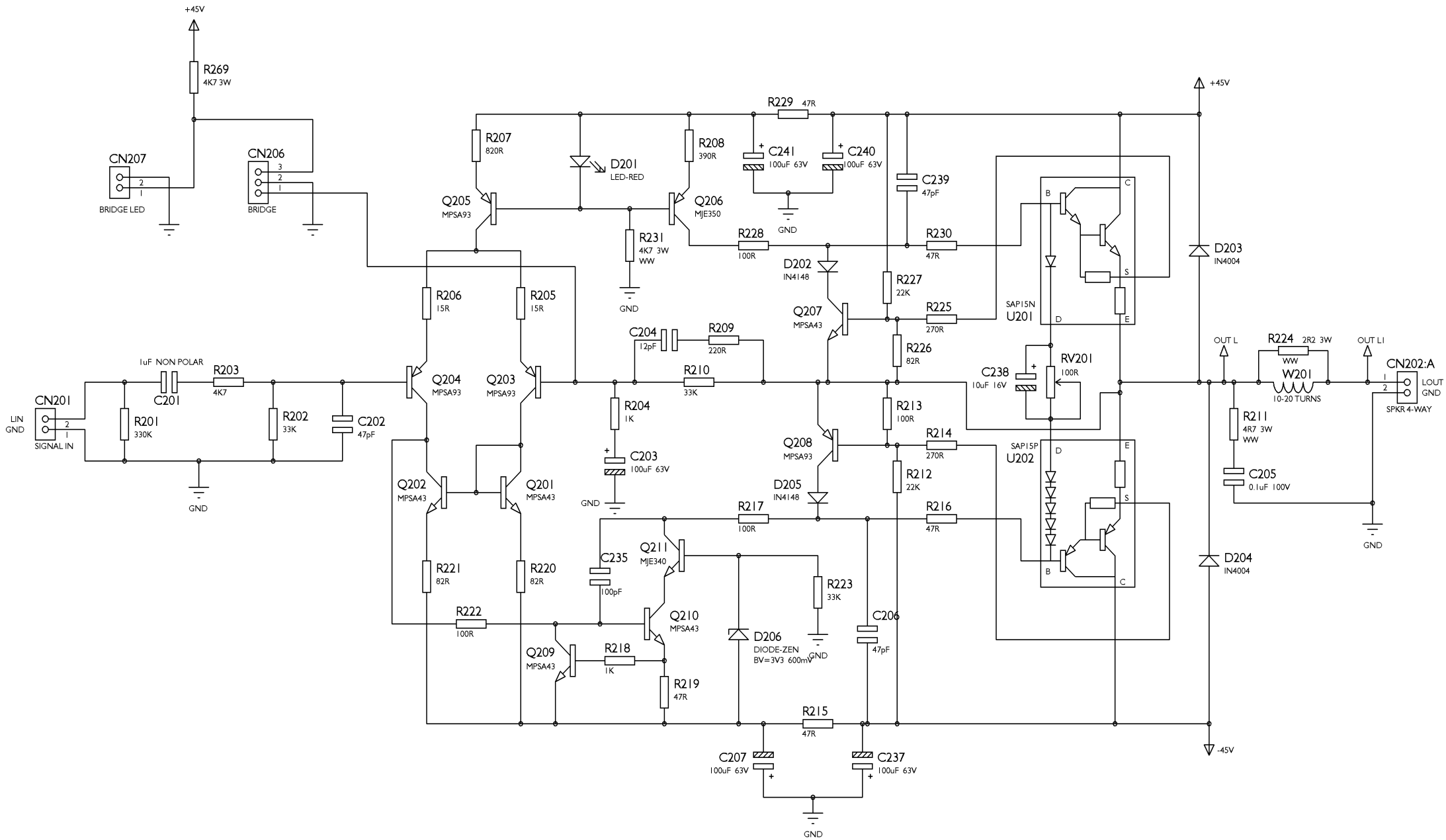
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- GENERAL NOTES
1. WW - WIREWOUND
  2. 22 SWG TINNED COPPER WIRE FOR W101
  3. FOR A300 U201, U202, U205, U206 ARE SAPI0N/P
  - 4.
  - 5.

DRAWING TITLE SAPI5N/P POWER AMP		DRAWN BY SC	
SHEET TITLE RIGHT CHANNEL		DATE 11/30/99	
DRAWING No. API0687/3	PAGE 2/3	CHECKED BY	



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GENERAL NOTES

1. WW - WIREWOUND
2. 22 SWG TINNED COPPER WIRE FOR W301
3. FOR A300 U201, U202, U205, U206 ARE SAPI10N/P
- 4.
- 5.

DRAWING TITLE  
SAPI5N/P POWER AMP

DRAWN BY  
SC

SHEET TITLE  
LEFT CHANNEL

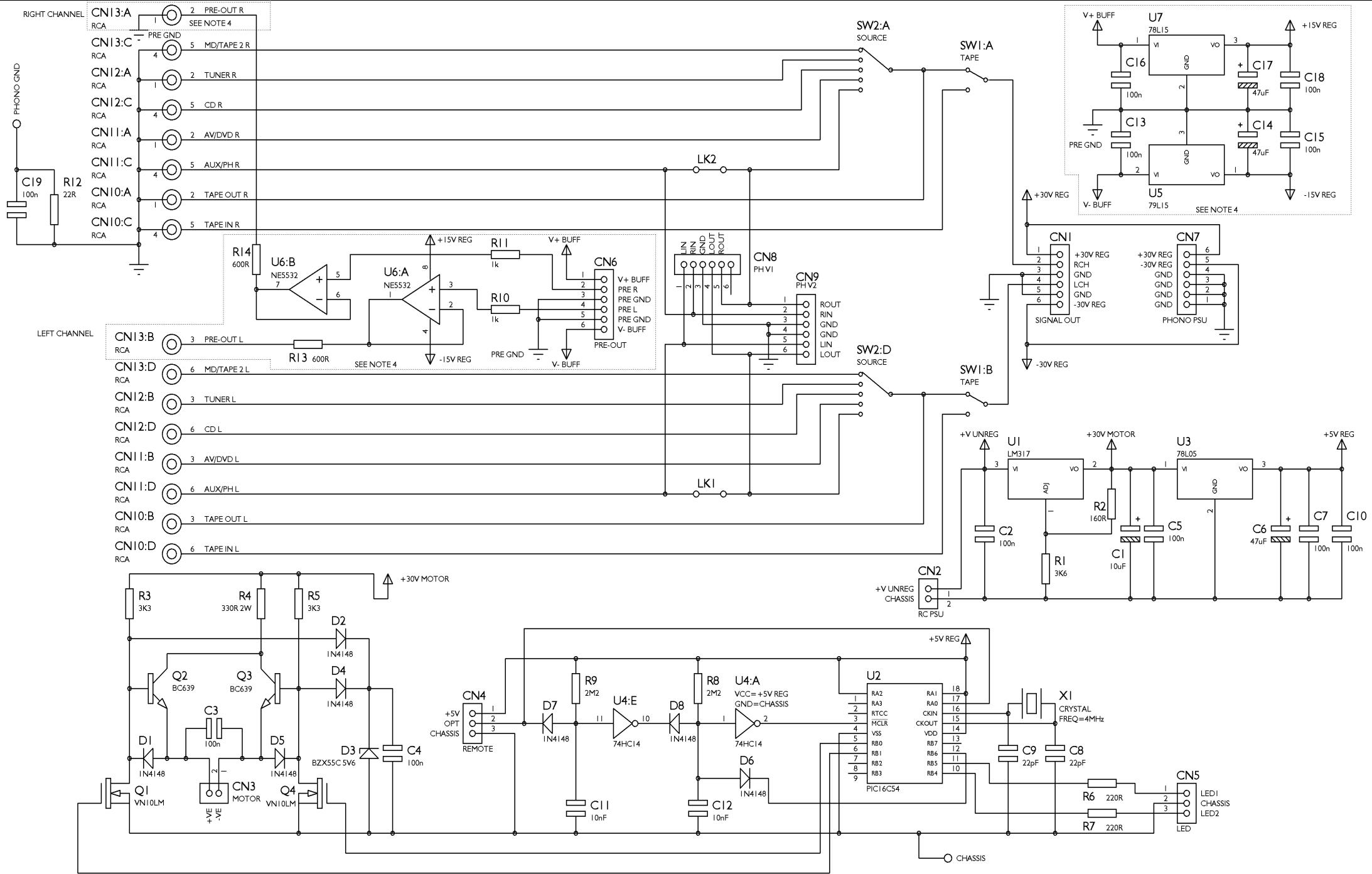
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DRAWING No. AP10687/3

PAGE 3/3

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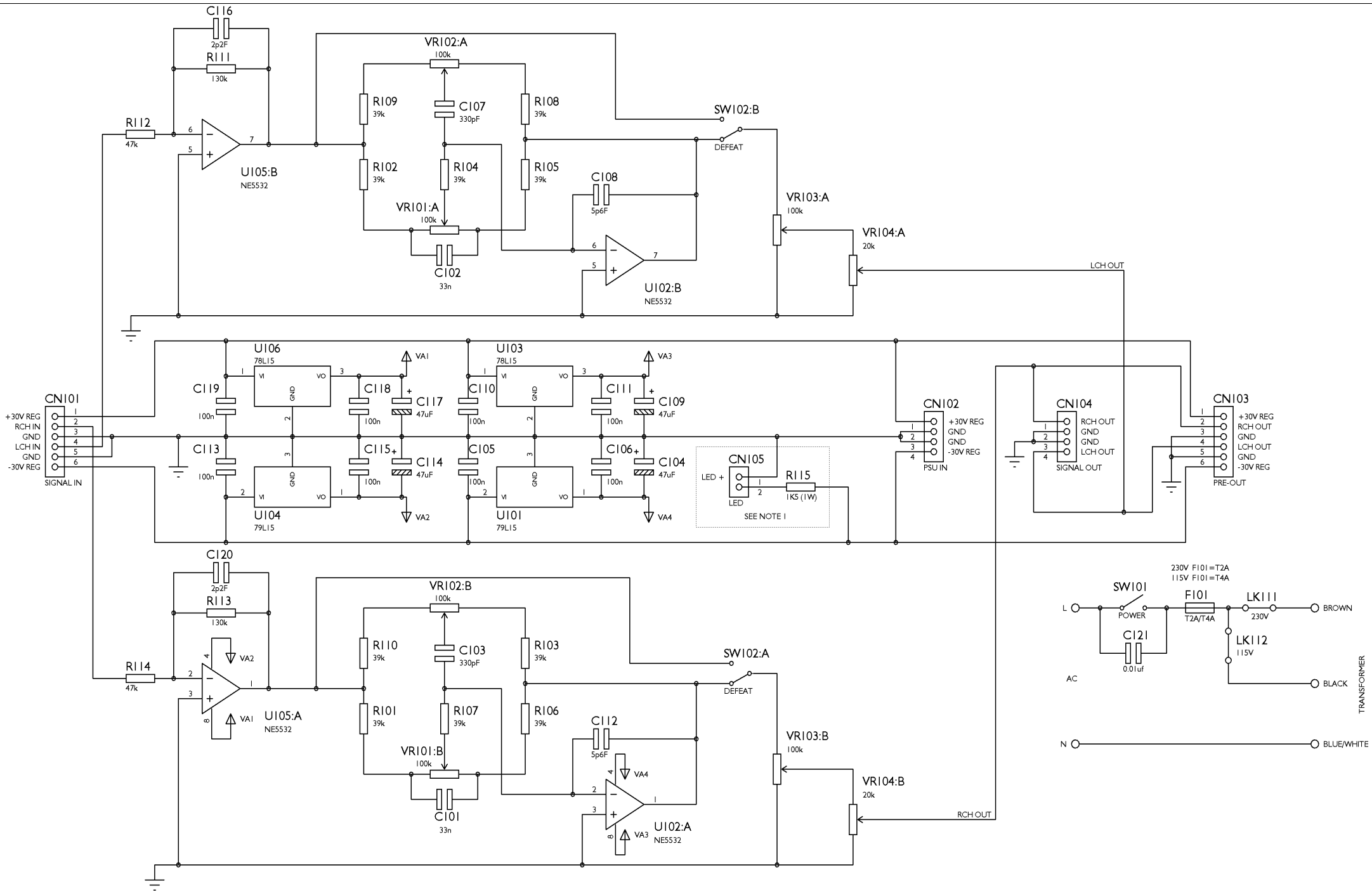




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- GENERAL NOTES**
1. CN6 FOR V1 OPTIONAL PHONO STAGE
  2. CN5 FOR V2 OPTIONAL PHONO STAGE
  3. CUT LINKS 1 & 2 WHEN FITTING PHONO STAGE
  4. COMPONENTS NOT FITTED IN POP REV B
  - 5.

DRAWING TITLE <b>INPUT PCB WITH PRE-OUT AND R/C</b>		DRAWN BY <b>NF</b>	
SHEET TITLE <b>COMPLETE PCB</b>		DATE <b>31/07/98</b>	
DRAWING No. <b>API0261/2</b>	PAGE <b>1/1</b>	CHECKED BY	



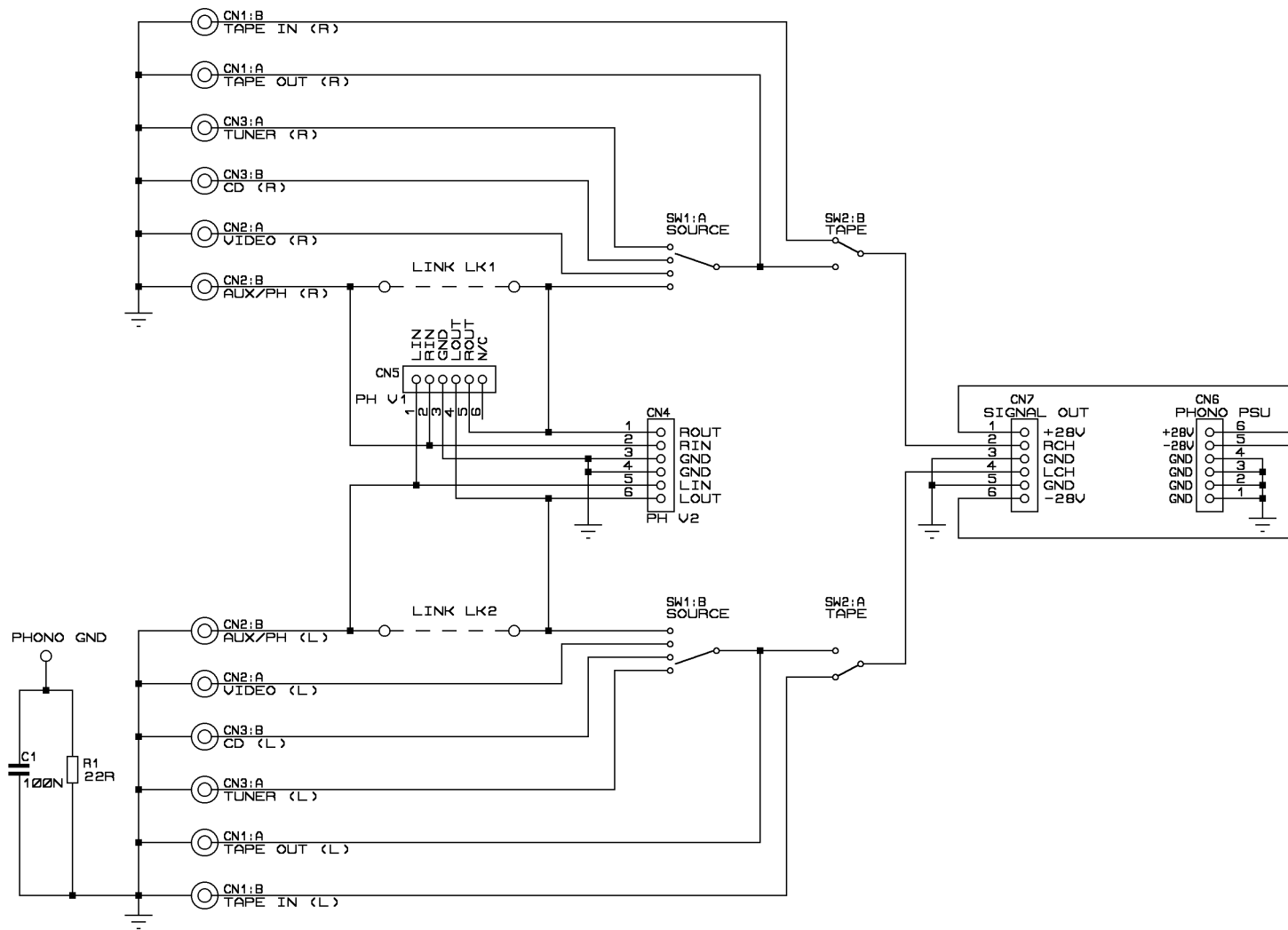
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- GENERAL NOTES
1. CN105/R115 NOT FITTED TO RC PRODUCTS
  - 2.
  - 3.
  - 4.
  - 5.

DRAWING TITLE <b>TONE PCB WITH TONE DEFEAT</b>		DRAWN BY NF	
SHEET TITLE <b>COMPLETE PCB</b>		DATE 08/09/98	
DRAWING No. AP10230/3	PAGE 1/1	CHECKED BY	

RIGHT CHANNEL

LEFT CHANNEL



General Notes

1. PH V1 - CONNECTOR FOR VERSION 1 OPTIONAL PHONO STAGE
2. PH V2 - CONNECTOR FOR VERSION 2 OPTIONAL PHONO STAGE
3. LKS 1 & 2 CUT WHEN EITHER PHONO STAGE FITTED

Page No. 1 OF 3

Drawing No. AP10012/1

Title A1mk3V2/AX910 IPT BOARD

Drawn NF

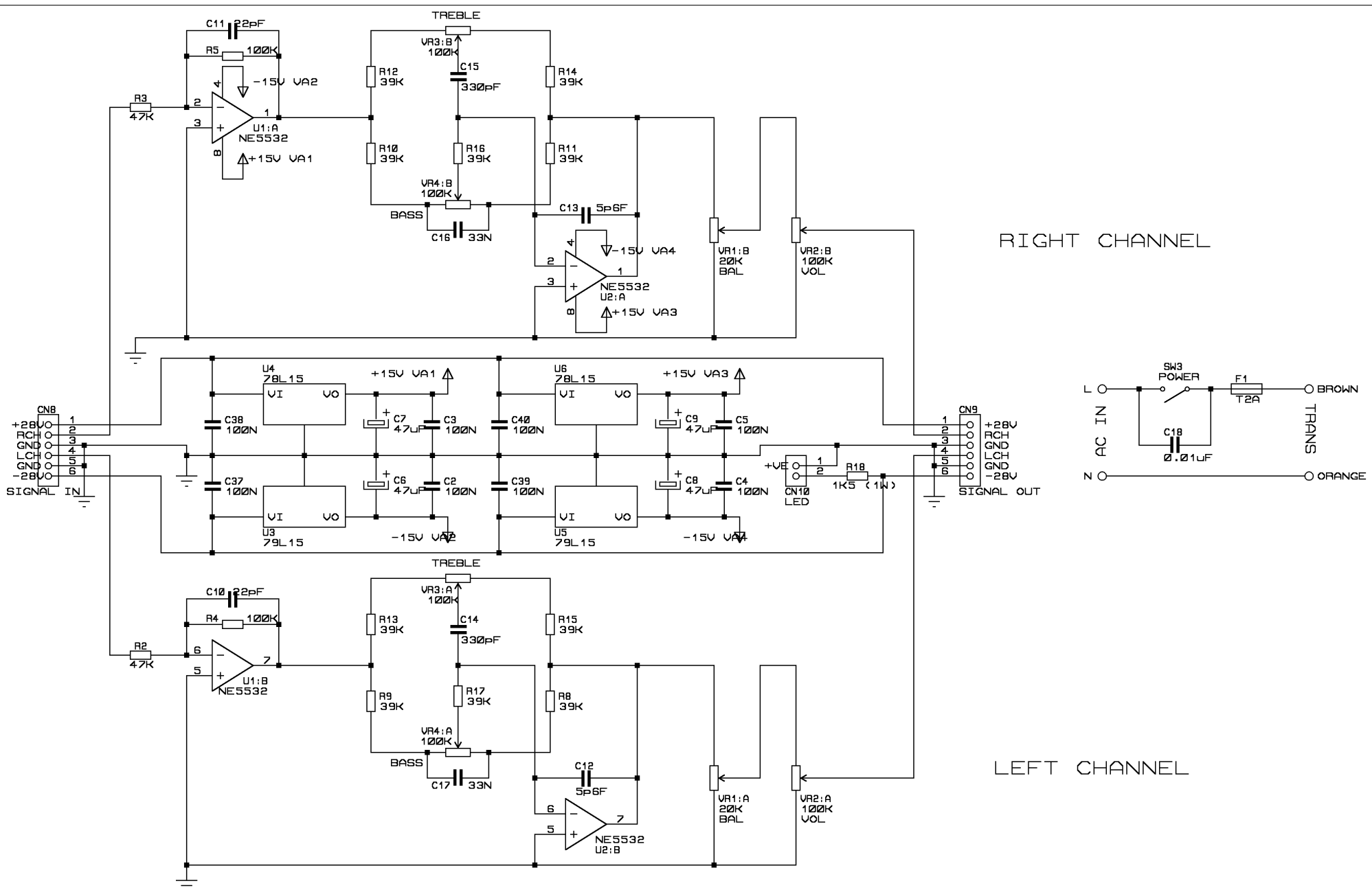
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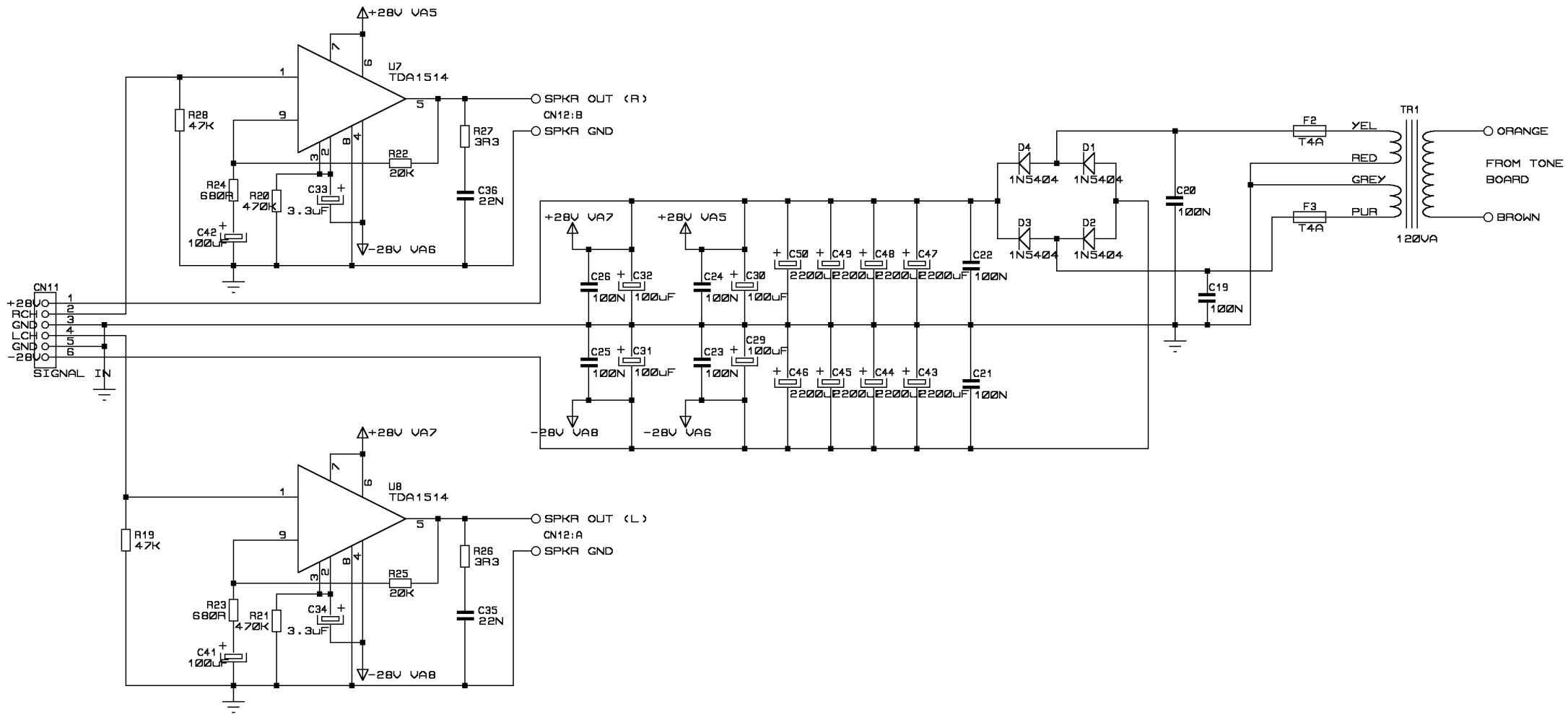


General Notes

Page No. 2 OF 3	Drawn NF
Drawing No. AP10013/3	Checked
Title A1mk3 V2 TONE BOARD	Date 12/5/97 12

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## General Notes

Page No. 3 OF 3

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Drawing No. AP10014/3

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Title A1mk3V2/AX910 POWER

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## A 300 / A 500 Amplifier idle current adjustment procedure

When replacing the SAP15 output pair, reset the bias current by adjusting RV201 while monitoring the voltage between pins S and E of the transistor, to achieve a voltage of **13mV** (equivalent of approx 60mA).

