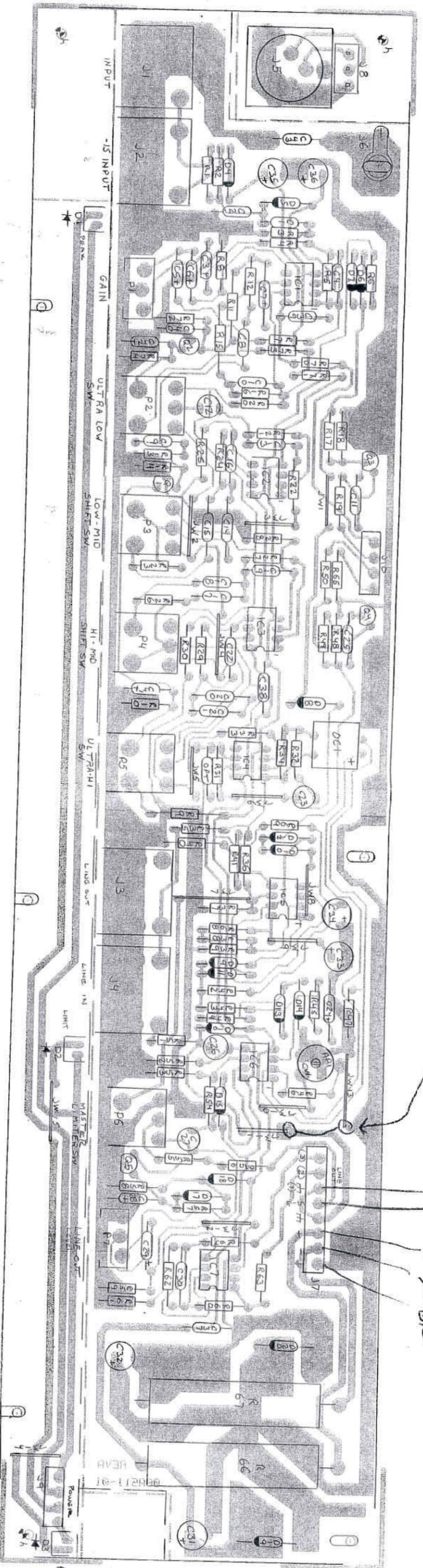




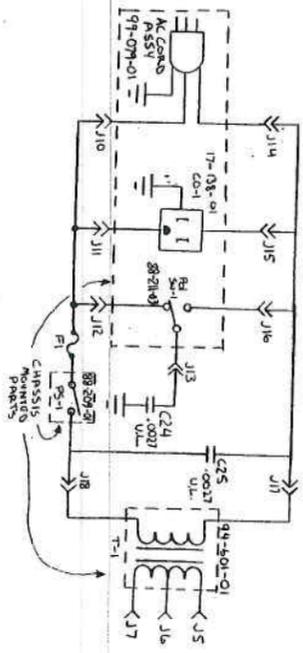
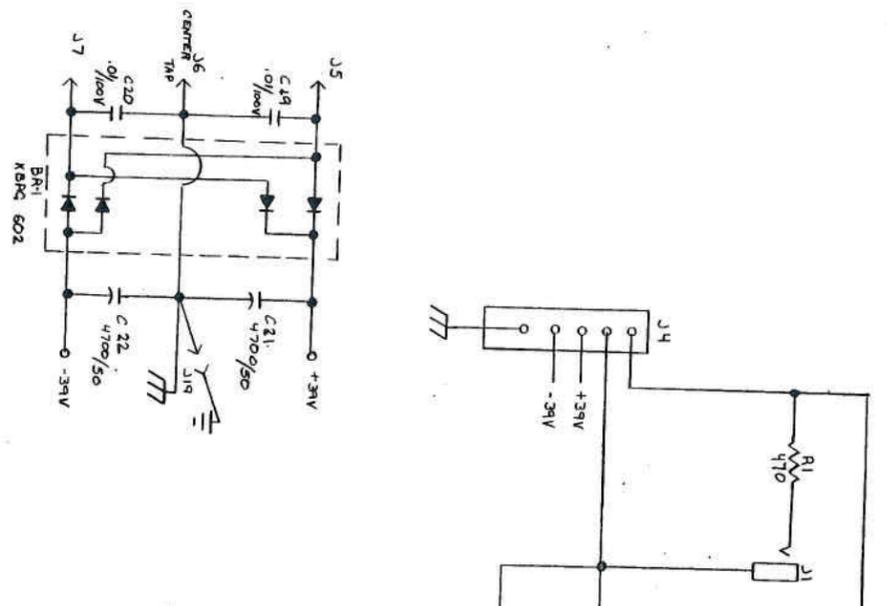
IF TESTING BOARD W/EXT. PWR SUPPLY,  
JUMPER HERE.



PART	DESCRIPTION	PART NO.	PART	DESCRIPTION	PART NO.	PART	DESCRIPTION	PART NO.
R1	10K	76-103-01	C1	.022	10A102-01	D1	RED LED	21-501-01
R2	10K	76-103-01	C2	100P	10A102-01	D2	RED LED	21-501-01
R3	10K	76-103-01	C3	100P	10A102-01	D3	RED LED	21-501-01
R4	10K	76-103-01	C4	100P	10A102-01	D4	RED LED	21-501-01
R5	10K	76-103-01	C5	100P	10A102-01	D5	RED LED	21-501-01
R6	10K	76-103-01	C6	100P	10A102-01	D6	RED LED	21-501-01
R7	10K	76-103-01	C7	100P	10A102-01	D7	RED LED	21-501-01
R8	10K	76-103-01	C8	100P	10A102-01	D8	RED LED	21-501-01
R9	10K	76-103-01	C9	100P	10A102-01	D9	RED LED	21-501-01
R10	10K	76-103-01	C10	100P	10A102-01	D10	RED LED	21-501-01
R11	10K	76-103-01	C11	100P	10A102-01	D11	RED LED	21-501-01
R12	10K	76-103-01	C12	100P	10A102-01	D12	RED LED	21-501-01
R13	10K	76-103-01	C13	100P	10A102-01	D13	RED LED	21-501-01
R14	10K	76-103-01	C14	100P	10A102-01	D14	RED LED	21-501-01
R15	10K	76-103-01	C15	100P	10A102-01	D15	RED LED	21-501-01
R16	10K	76-103-01	C16	100P	10A102-01	D16	RED LED	21-501-01
R17	10K	76-103-01	C17	100P	10A102-01	D17	RED LED	21-501-01
R18	10K	76-103-01	C18	100P	10A102-01	D18	RED LED	21-501-01
R19	10K	76-103-01	C19	100P	10A102-01	D19	RED LED	21-501-01
R20	10K	76-103-01	C20	100P	10A102-01	D20	RED LED	21-501-01
R21	10K	76-103-01	C21	100P	10A102-01	D21	RED LED	21-501-01
R22	10K	76-103-01	C22	100P	10A102-01	D22	RED LED	21-501-01
R23	10K	76-103-01	C23	100P	10A102-01	D23	RED LED	21-501-01
R24	10K	76-103-01	C24	100P	10A102-01	D24	RED LED	21-501-01
R25	10K	76-103-01	C25	100P	10A102-01	D25	RED LED	21-501-01
R26	10K	76-103-01	C26	100P	10A102-01	D26	RED LED	21-501-01
R27	10K	76-103-01	C27	100P	10A102-01	D27	RED LED	21-501-01
R28	10K	76-103-01	C28	100P	10A102-01	D28	RED LED	21-501-01
R29	10K	76-103-01	C29	100P	10A102-01	D29	RED LED	21-501-01
R30	10K	76-103-01	C30	100P	10A102-01	D30	RED LED	21-501-01
R31	10K	76-103-01	C31	100P	10A102-01	D31	RED LED	21-501-01
R32	10K	76-103-01	C32	100P	10A102-01	D32	RED LED	21-501-01
R33	10K	76-103-01	C33	100P	10A102-01	D33	RED LED	21-501-01
R34	10K	76-103-01	C34	100P	10A102-01	D34	RED LED	21-501-01
R35	10K	76-103-01	C35	100P	10A102-01	D35	RED LED	21-501-01
R36	10K	76-103-01	C36	100P	10A102-01	D36	RED LED	21-501-01
R37	10K	76-103-01	C37	100P	10A102-01	D37	RED LED	21-501-01
R38	10K	76-103-01	C38	100P	10A102-01	D38	RED LED	21-501-01
R39	10K	76-103-01	C39	100P	10A102-01	D39	RED LED	21-501-01
R40	10K	76-103-01	C40	100P	10A102-01	D40	RED LED	21-501-01
R41	10K	76-103-01	C41	100P	10A102-01	D41	RED LED	21-501-01
R42	10K	76-103-01	C42	100P	10A102-01	D42	RED LED	21-501-01
R43	10K	76-103-01	C43	100P	10A102-01	D43	RED LED	21-501-01
R44	10K	76-103-01	C44	100P	10A102-01	D44	RED LED	21-501-01
R45	10K	76-103-01	C45	100P	10A102-01	D45	RED LED	21-501-01
R46	10K	76-103-01	C46	100P	10A102-01	D46	RED LED	21-501-01
R47	10K	76-103-01	C47	100P	10A102-01	D47	RED LED	21-501-01
R48	10K	76-103-01	C48	100P	10A102-01	D48	RED LED	21-501-01
R49	10K	76-103-01	C49	100P	10A102-01	D49	RED LED	21-501-01
R50	10K	76-103-01	C50	100P	10A102-01	D50	RED LED	21-501-01

NOTE: 1) UNLESS OTHERWISE SPECIFIED, ALL RESISTORS ARE IN OHMS, 1/4 W, 5%. ALL CAPACITORS ARE IN MICROFARADS RATED AT 50V.

TOLERANCES	REVISIONS	AMPEG	SVT-70-T
RESISTORS	NO. DATE BY	07-511-01	
CAPACITORS	1 11-12-80 DSE	SLM ELECTRONICS	
INDUCTORS	2 12-28-80 JCS	WEBB HORTON STUBBS MFG. CO.	
MECHANICAL	3 01-28-81 JCS	WEBB HORTON STUBBS MFG. CO.	
ELECTRICAL	4 01-28-81 JCS	WEBB HORTON STUBBS MFG. CO.	
ASSEMBLY	5 01-28-81 JCS	WEBB HORTON STUBBS MFG. CO.	
	6 01-28-81 JCS	WEBB HORTON STUBBS MFG. CO.	
	7 01-28-81 JCS	WEBB HORTON STUBBS MFG. CO.	
	8 01-28-81 JCS	WEBB HORTON STUBBS MFG. CO.	
	9 01-28-81 JCS	WEBB HORTON STUBBS MFG. CO.	
	10 01-28-81 JCS	WEBB HORTON STUBBS MFG. CO.	
	11 01-28-81 JCS	WEBB HORTON STUBBS MFG. CO.	
	12 01-28-81 JCS	WEBB HORTON STUBBS MFG. CO.	
	13 01-28-81 JCS	WEBB HORTON STUBBS MFG. CO.	
	14 01-28-81 JCS	WEBB HORTON STUBBS MFG. CO.	
	15 01-28-81 JCS	WEBB HORTON STUBBS MFG. CO.	
	16 01-28-81 JCS	WEBB HORTON STUBBS MFG. CO.	
	17 01-28-81 JCS	WEBB HORTON STUBBS MFG. CO.	
	18 01-28-81 JCS	WEBB HORTON STUBBS MFG. CO.	
	19 01-28-81 JCS	WEBB HORTON STUBBS MFG. CO.	
	20 01-28-81 JCS	WEBB HORTON STUBBS MFG. CO.	
	21 01-28-81 JCS	WEBB HORTON STUBBS MFG. CO.	
	22 01-28-81 JCS	WEBB HORTON STUBBS MFG. CO.	
	23 01-28-81 JCS	WEBB HORTON STUBBS MFG. CO.	
	24 01-28-81 JCS	WEBB HORTON STUBBS MFG. CO.	
	25 01-28-81 JCS	WEBB HORTON STUBBS MFG. CO.	
	26 01-28-81 JCS	WEBB HORTON STUBBS MFG. CO.	
	27 01-28-81 JCS	WEBB HORTON STUBBS MFG. CO.	
	28 01-28-81 JCS	WEBB HORTON STUBBS MFG. CO.	
	29 01-28-81 JCS	WEBB HORTON STUBBS MFG. CO.	
	30 01-28-81 JCS	WEBB HORTON STUBBS MFG. CO.	
	31 01-28-81 JCS	WEBB HORTON STUBBS MFG. CO.	
	32 01-28-81 JCS	WEBB HORTON STUBBS MFG. CO.	
	33 01-28-81 JCS	WEBB HORTON STUBBS MFG. CO.	
	34 01-28-81 JCS	WEBB HORTON STUBBS MFG. CO.	
	35 01-28-81 JCS	WEBB HORTON STUBBS MFG. CO.	
	36 01-28-81 JCS	WEBB HORTON STUBBS MFG. CO.	
	37 01-28-81 JCS	WEBB HORTON STUBBS MFG. CO.	
	38 01-28-81 JCS	WEBB HORTON STUBBS MFG. CO.	
	39 01-28-81 JCS	WEBB HORTON STUBBS MFG. CO.	
	40 01-28-81 JCS	WEBB HORTON STUBBS MFG. CO.	
	41 01-28-81 JCS	WEBB HORTON STUBBS MFG. CO.	
	42 01-28-81 JCS	WEBB HORTON STUBBS MFG. CO.	
	43 01-28-81 JCS	WEBB HORTON STUBBS MFG. CO.	
	44 01-28-81 JCS	WEBB HORTON STUBBS MFG. CO.	
	45 01-28-81 JCS	WEBB HORTON STUBBS MFG. CO.	
	46 01-28-81 JCS	WEBB HORTON STUBBS MFG. CO.	
	47 01-28-81 JCS	WEBB HORTON STUBBS MFG. CO.	
	48 01-28-81 JCS	WEBB HORTON STUBBS MFG. CO.	
	49 01-28-81 JCS	WEBB HORTON STUBBS MFG. CO.	
	50 01-28-81 JCS	WEBB HORTON STUBBS MFG. CO.	

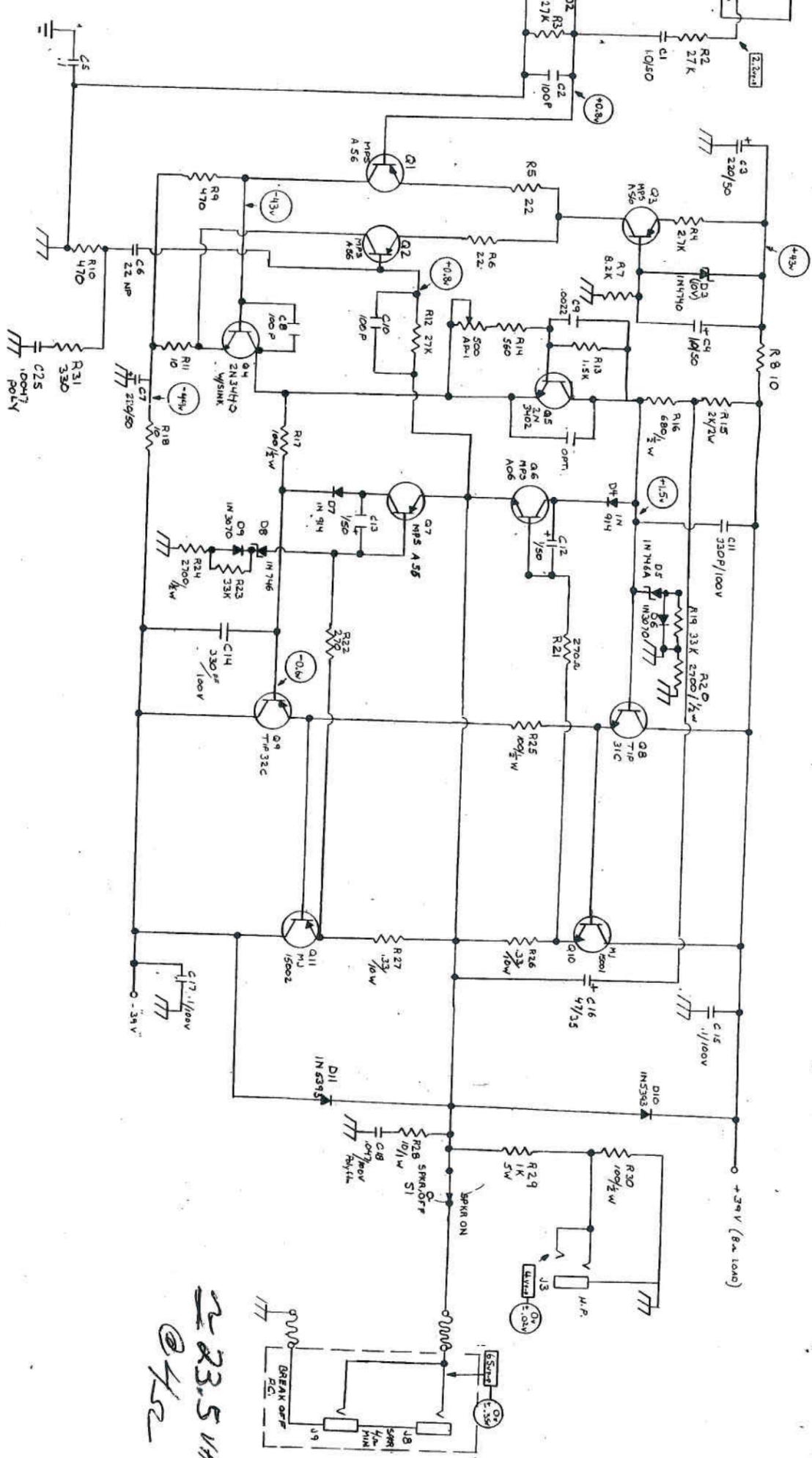


AC TERMINATION BREAKDOWN BY BOARD

PART	DESCRIPTION	PART NO.
C24	.0027 U.L.	10-27-0
C25	.0027 U.L.	10-27-0
CO-1	A.C. OUTPUT	17-138-01
J10/J14/J15	.250 TAB	17-836-01
J12/J16	.187 TAB	17-844-01
P5-1	Power Switch	88-213-01
R1-2-1	Transformer 500/50	98-211-03
T-1	TRANSFORMER	94-601-01
AC-CORD	ASSEMBLY	94-028-01
F-1	4 A FUSE	23-304-01

NOTES: 1) EXCEPT AS INDICATED, ALL CAPACITORS IN MFD @ 100VDC, ALL RESISTORS IN OHMS @ 1/4 WATT 5% TOLERANCE.

- 2) VOLTAGES MEASURED WITH: 1 MEGOHM INPUT OSCILLOSCOPE (X10), 10 MEGOHM INPUT DVM (DC), TAKE LOADING INTO ACCOUNT IF USING OTHER EQUIPMENT.
- 3) BIAS VOLTAGE: NO SIGNAL, NO LOAD, @ 120 VAC LINE
- DC VOLTAGE: NO SIGNAL INPUT
- AC SIGNAL VOLTAGE: 1KHZ SINE WAVE INPUT, 4 OHM LOAD.
- 3 MV ACROSS R25, R27



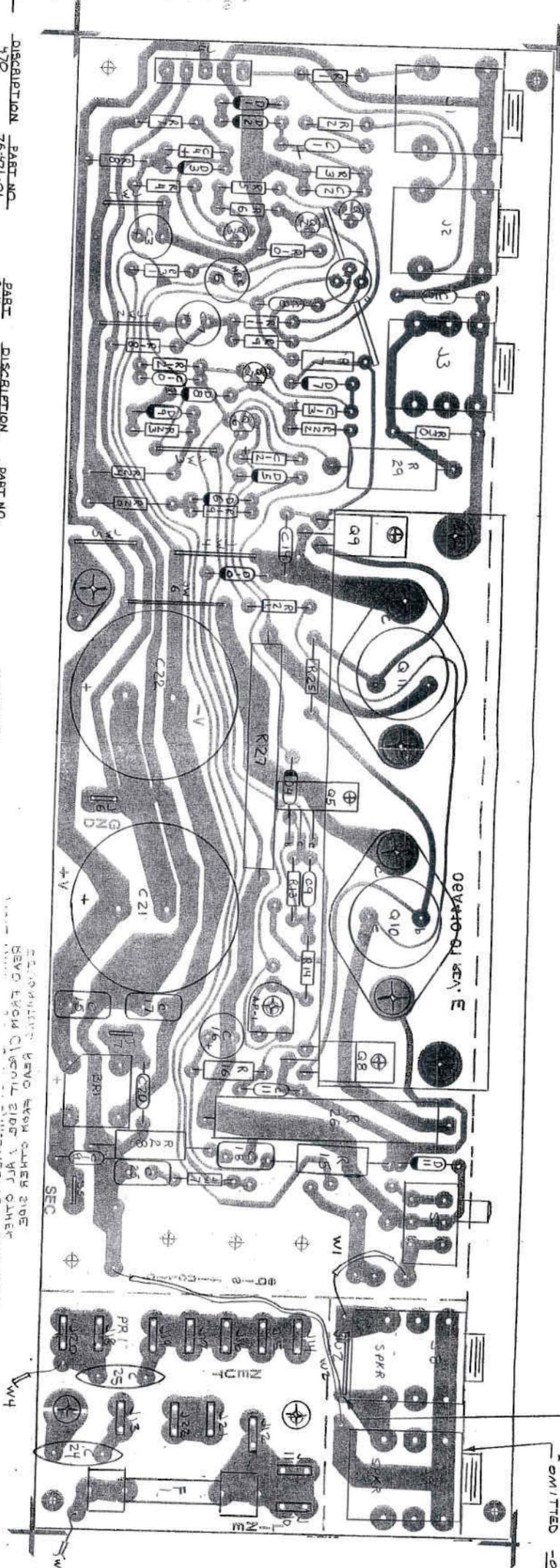
PART	DESCRIPTION	PART NO.
D1	IN746A	21A146-01
D2	IN746A	21A146-01
D3	IN746A	21A146-01
D4	IN746A	21A146-01
D5	IN746A	21A146-01
D6	IN746A	21A146-01
D7	IN746A	21A146-01
D8	IN746A	21A146-01
D9	IN3070	21A3070-01
D10	IN5393	21A5393-01
D11	IN5393	21A5393-01
Q1	MPSA56	96-026-01
Q2	MPSA56	96-026-01
Q3	MPSA56	96-026-01
Q4	2N3402	96-030-01
Q5	2N3402	96-030-01
Q6	MPSA06	96-006-01
Q7	MPSA06	96-006-01
Q8	TIP 31C	96-031-03
Q9	MJ15001	96-101-01
Q10	MJ15002	96-102-01
Q11	4" JACK	39-116-01
J4	5 PIN HEADER	39-117-01
J5	250 TAB	17-836-01
J6	SWITCH	88-202-01
J7	BRIDGE	88-202-01
J8	TRIM POT	71-501-02

PCB # 06A410-02

A-I DESIGNED

23.5 VAC RMS @ 452

REVISIONS	DATE	BY	REASON
1			AMPEG
2			SVT-70T/B-S1T/SVT-100T
3			SLM ELECTRONICS 1400
4			FERGUSON, ST. LOUIS, MO. 63138
5			1/2-8-86
6			1/6-406-01



\* OMITTED -03 & -04!  
 \* OMITTED -03 ONLY!

REMARKS: REVD FROM OTHER SIDE  
 REVD FROM OTHER SIDE VERT OTHER

WIRE ASSY'S	QUANTITY
97-168-42	1
97-165-46	1
97-151-24	2

PART	DESCRIPTION	PART NO.
R1	27K	76-771-01
R2	27K	76-773-01
R3	27K	76-273-01
R4	27K	76-272-01
R5	22	76-220-01
R6	22	76-220-01
R7	8.2K	76-822-01
R8	10	76-100-01
R9	470	76-471-01
R10	10	76-100-01
R11	10	76-100-01
R12	27K	76-273-01
R13	1.5K	76-152-01
R14	560	76-561-01
R15	2K/2W	78-202-01
R16	680/2W	77-680-01
R17	100/2W	77-101-01
R18	10	76-100-01
R19	33K	76-333-01
R20	27K/W	76-271-01
R21	270	76-271-01
R22	39K	76-391-01
R23	27K/W	77-272-01
R24	100/2W	77-101-01
R25	33/2W	78-330-10
R26	10/2W	78-330-10
R27	10/2W	78-101-01
R28	10/2W	78-101-01
R29	10/2W	78-101-01
R30	10/2W	78-101-01
R31	330	76-331-01

PART	DESCRIPTION	PART NO.
C1	330P	10A331-01
C2	1 POLY	10-104-03
C3	4735	12-476-32
C4	10/100	10-104-03
C5	10/100	10-473-03
C6	0.1/100	10A103-11
C7	0.1/100	10A103-11
C8	100/50	12-478-52
C9	100/50	12-478-52
C10	100/50	10-272-01
C11	100/50	10-272-01
C12	100/50	10-472-01
C13	100/50	10-472-01
C14	100/50	10-472-01
C15	100/50	10-472-01
C16	100/50	10-472-01
C17	100/50	10-472-01
C18	100/50	10-472-01
C19	100/50	10-472-01
C20	100/50	10-472-01
C21	100/50	10-472-01
C22	100/50	10-472-01

PART	DESCRIPTION	PART NO.
Q1	MP3A55	96-036-01
Q2	MP3A55	96-036-01
Q3	MP3A55	96-036-01
Q4	2N3406	96-340-01
Q5	2N3406	96-340-01
Q6	2N3406	96-340-01
Q7	MP3A55	96-036-01
Q8	MP3A55	96-036-01
Q9	MP3A55	96-036-01
Q10	MP3A55	96-036-01
D1	1N746A	21A46-01
D2	1N746A	21A46-01
D3	1N4146A	21A46-01
D4	1N4146A	21A46-01
D5	1N4146A	21A46-01
D6	1N3070	21A370-01
D7	1N3070	21A370-01
D8	1N746A	21A46-01
D9	1N3070	21A370-01
D10	1N3070	21A370-01
D11	1N3070	21A370-01

PART	DESCRIPTION	PART NO.
JV1-7	JUMPER	76-000-C2
C1	1/50	12A105-S1
C2	1/50	12A105-S1
C3	1/50	12-227-02
C4	1/50	12A105-S1
C5	1/50	12A105-S1
C6	1/50	12-126-81
C7	22/50 NP	12-127-02
C8	22/50 NP	12-127-02
C9	100P	10A222-01
C10	100P	10A101-21
C11	330P	10A331-21
C12	1/50	12A105-S1
C13	1/50	12A105-S1

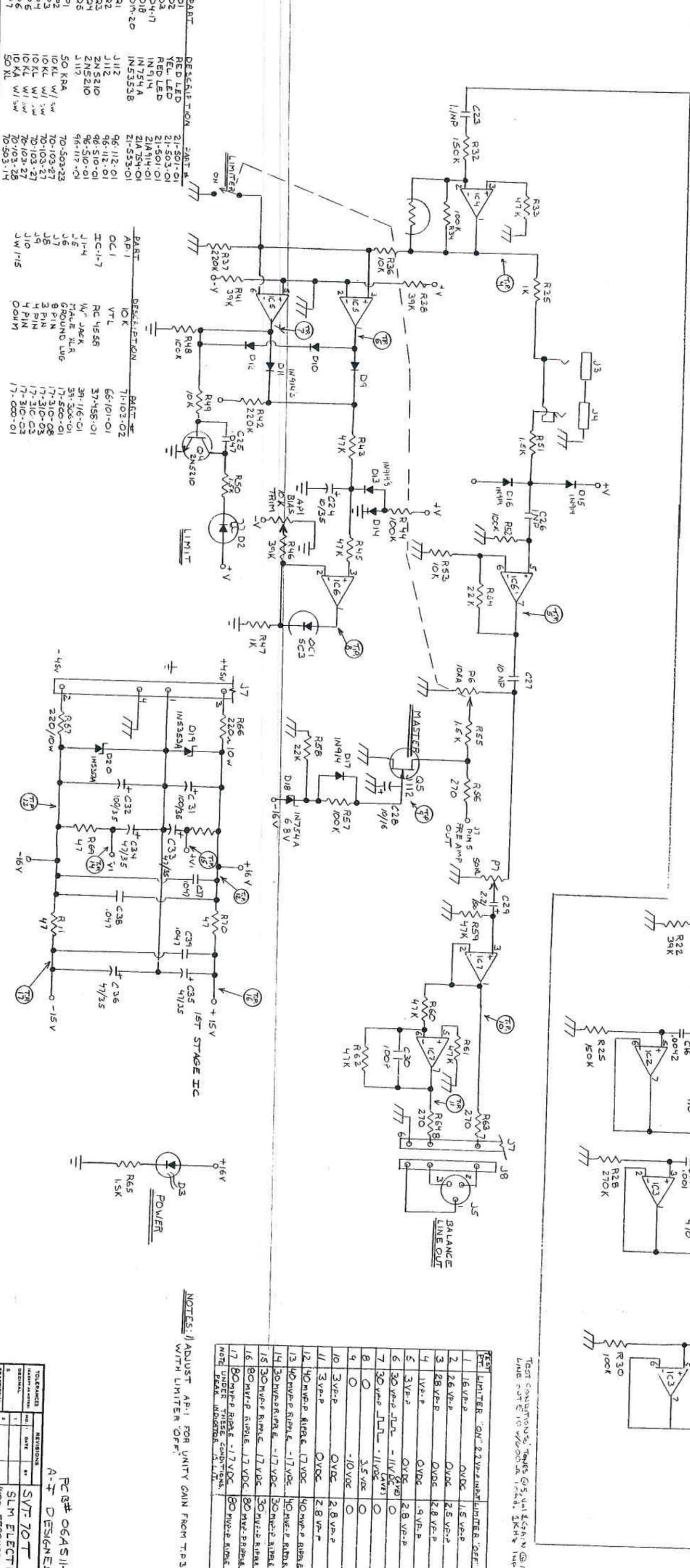
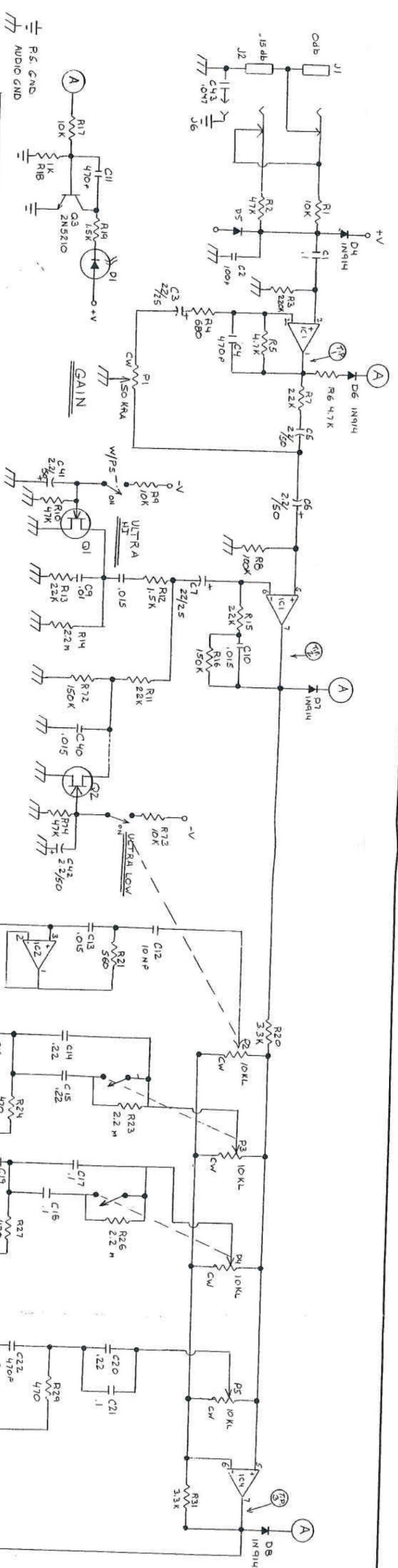
PART	DESCRIPTION	PART NO.
Q1	MP3A55	96-036-01
Q2	MP3A55	96-036-01
Q3	MP3A55	96-036-01
Q4	2N3406	96-340-01
Q5	2N3406	96-340-01
Q6	2N3406	96-340-01
Q7	MP3A55	96-036-01
Q8	MP3A55	96-036-01
Q9	MP3A55	96-036-01
Q10	MP3A55	96-036-01
D1	1N746A	21A46-01
D2	1N746A	21A46-01
D3	1N4146A	21A46-01
D4	1N4146A	21A46-01
D5	1N4146A	21A46-01
D6	1N3070	21A370-01
D7	1N3070	21A370-01
D8	1N746A	21A46-01
D9	1N3070	21A370-01
D10	1N3070	21A370-01
D11	1N3070	21A370-01

DESIGNED FOR A-Z	PC #	DATE
AMPEG SVT-100T RWR AMP -04	DGA 410-01	
AMPEG 8-15T RWR TMP -03		
AMPEG SVT-70T RWR AMP -02		

REVISION	DATE	BY	REASON
1	3-87	TC	
2	7-87	TC	

NOTE 1) UNLESS OTHERWISE SPECIFIED ALL RESISTORS ARE IN OHMS, WATT, 5% ALL CAPACITORS ARE IN MICROFARADS.

NOTE 2) FOR ALL PARTS (SEE \* FOR -03 OMIT SW7 & J9 (PART IN PARTS LIST)



PART	DESCRIPTION	PART #	DESCRIPTION	PART #
D1	RED LED	21-501-01	AP1	OC1
D2	RED LED	21-501-01	AP2	OC1
D3	RED LED	21-501-01	AP3	OC1
D4-1	IN914	2M414-01	AP4	OC1
D4-2	IN914	2M414-01	AP5	OC1
D4-3	IN914	2M414-01	AP6	OC1
D4-4	IN914	2M414-01	AP7	OC1
D4-5	IN914	2M414-01	AP8	OC1
D4-6	IN914	2M414-01	AP9	OC1
D4-7	IN914	2M414-01	AP10	OC1
D4-8	IN914	2M414-01	AP11	OC1
D4-9	IN914	2M414-01	AP12	OC1
D4-10	IN914	2M414-01	AP13	OC1
D4-11	IN914	2M414-01	AP14	OC1
D4-12	IN914	2M414-01	AP15	OC1
D4-13	IN914	2M414-01	AP16	OC1
D4-14	IN914	2M414-01	AP17	OC1
D4-15	IN914	2M414-01	AP18	OC1
D4-16	IN914	2M414-01	AP19	OC1
D4-17	IN914	2M414-01	AP20	OC1
D4-18	IN914	2M414-01	AP21	OC1
D4-19	IN914	2M414-01	AP22	OC1
D4-20	IN914	2M414-01	AP23	OC1
D4-21	IN914	2M414-01	AP24	OC1
D4-22	IN914	2M414-01	AP25	OC1
D4-23	IN914	2M414-01	AP26	OC1
D4-24	IN914	2M414-01	AP27	OC1
D4-25	IN914	2M414-01	AP28	OC1
D4-26	IN914	2M414-01	AP29	OC1
D4-27	IN914	2M414-01	AP30	OC1
D4-28	IN914	2M414-01	AP31	OC1
D4-29	IN914	2M414-01	AP32	OC1
D4-30	IN914	2M414-01	AP33	OC1
D4-31	IN914	2M414-01	AP34	OC1
D4-32	IN914	2M414-01	AP35	OC1
D4-33	IN914	2M414-01	AP36	OC1
D4-34	IN914	2M414-01	AP37	OC1
D4-35	IN914	2M414-01	AP38	OC1
D4-36	IN914	2M414-01	AP39	OC1
D4-37	IN914	2M414-01	AP40	OC1
D4-38	IN914	2M414-01	AP41	OC1
D4-39	IN914	2M414-01	AP42	OC1
D4-40	IN914	2M414-01	AP43	OC1
D4-41	IN914	2M414-01	AP44	OC1
D4-42	IN914	2M414-01	AP45	OC1
D4-43	IN914	2M414-01	AP46	OC1
D4-44	IN914	2M414-01	AP47	OC1
D4-45	IN914	2M414-01	AP48	OC1
D4-46	IN914	2M414-01	AP49	OC1
D4-47	IN914	2M414-01	AP50	OC1
D4-48	IN914	2M414-01	AP51	OC1
D4-49	IN914	2M414-01	AP52	OC1
D4-50	IN914	2M414-01	AP53	OC1
D4-51	IN914	2M414-01	AP54	OC1
D4-52	IN914	2M414-01	AP55	OC1
D4-53	IN914	2M414-01	AP56	OC1
D4-54	IN914	2M414-01	AP57	OC1
D4-55	IN914	2M414-01	AP58	OC1
D4-56	IN914	2M414-01	AP59	OC1
D4-57	IN914	2M414-01	AP60	OC1
D4-58	IN914	2M414-01	AP61	OC1
D4-59	IN914	2M414-01	AP62	OC1
D4-60	IN914	2M414-01	AP63	OC1
D4-61	IN914	2M414-01	AP64	OC1
D4-62	IN914	2M414-01	AP65	OC1
D4-63	IN914	2M414-01	AP66	OC1
D4-64	IN914	2M414-01	AP67	OC1
D4-65	IN914	2M414-01	AP68	OC1
D4-66	IN914	2M414-01	AP69	OC1
D4-67	IN914	2M414-01	AP70	OC1
D4-68	IN914	2M414-01	AP71	OC1
D4-69	IN914	2M414-01	AP72	OC1
D4-70	IN914	2M414-01	AP73	OC1
D4-71	IN914	2M414-01	AP74	OC1
D4-72	IN914	2M414-01	AP75	OC1
D4-73	IN914	2M414-01	AP76	OC1
D4-74	IN914	2M414-01	AP77	OC1
D4-75	IN914	2M414-01	AP78	OC1
D4-76	IN914	2M414-01	AP79	OC1
D4-77	IN914	2M414-01	AP80	OC1
D4-78	IN914	2M414-01	AP81	OC1
D4-79	IN914	2M414-01	AP82	OC1
D4-80	IN914	2M414-01	AP83	OC1
D4-81	IN914	2M414-01	AP84	OC1
D4-82	IN914	2M414-01	AP85	OC1
D4-83	IN914	2M414-01	AP86	OC1
D4-84	IN914	2M414-01	AP87	OC1
D4-85	IN914	2M414-01	AP88	OC1
D4-86	IN914	2M414-01	AP89	OC1
D4-87	IN914	2M414-01	AP90	OC1
D4-88	IN914	2M414-01	AP91	OC1
D4-89	IN914	2M414-01	AP92	OC1
D4-90	IN914	2M414-01	AP93	OC1
D4-91	IN914	2M414-01	AP94	OC1
D4-92	IN914	2M414-01	AP95	OC1
D4-93	IN914	2M414-01	AP96	OC1
D4-94	IN914	2M414-01	AP97	OC1
D4-95	IN914	2M414-01	AP98	OC1
D4-96	IN914	2M414-01	AP99	OC1
D4-97	IN914	2M414-01	AP100	OC1

TEST CONDITIONS: TONES @ 5.0V @ 150Hz @ 10% BALANCED LINE OUT @ 100 Ohms Load. 1kHz Input.

TEST #	DESCRIPTION	UNIT	VALUE
1	LIMITER OFF	2.2V-P-P	1.5V-P-P
2	LIMITER ON	2.2V-P-P	1.5V-P-P
3	LIMITER ON	2.2V-P-P	1.5V-P-P
4	LIMITER ON	2.2V-P-P	1.5V-P-P
5	LIMITER ON	2.2V-P-P	1.5V-P-P
6	LIMITER ON	2.2V-P-P	1.5V-P-P
7	LIMITER ON	2.2V-P-P	1.5V-P-P
8	LIMITER ON	2.2V-P-P	1.5V-P-P
9	LIMITER ON	2.2V-P-P	1.5V-P-P
10	LIMITER ON	2.2V-P-P	1.5V-P-P
11	LIMITER ON	2.2V-P-P	1.5V-P-P
12	LIMITER ON	2.2V-P-P	1.5V-P-P
13	LIMITER ON	2.2V-P-P	1.5V-P-P
14	LIMITER ON	2.2V-P-P	1.5V-P-P
15	LIMITER ON	2.2V-P-P	1.5V-P-P
16	LIMITER ON	2.2V-P-P	1.5V-P-P
17	LIMITER ON	2.2V-P-P	1.5V-P-P

NOTES: 1) ADJUST AP1 FOR UNITY GAIN FROM T.P.3 TO T.P.5 WITH LIMITER OFF.

TOLERANCES	RESISTORS	CAPACITORS
1	±1%	±5%
2	±2%	±10%
3	±5%	±20%
4	±10%	±50%
5	±20%	±100%

PC 83# 06AS11-01  
A-T DESIGNED  
SYT-70T PREAMP SCHEMATIC  
HCC ELECTRONICS  
SERVO DRIVE  
16-405-01





