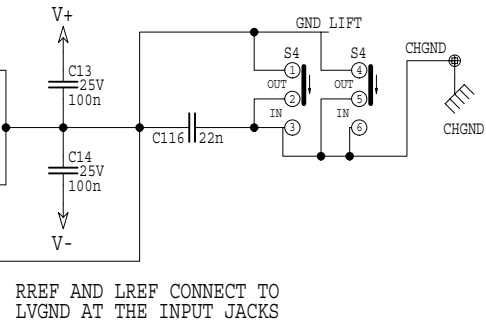
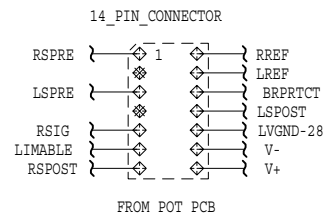
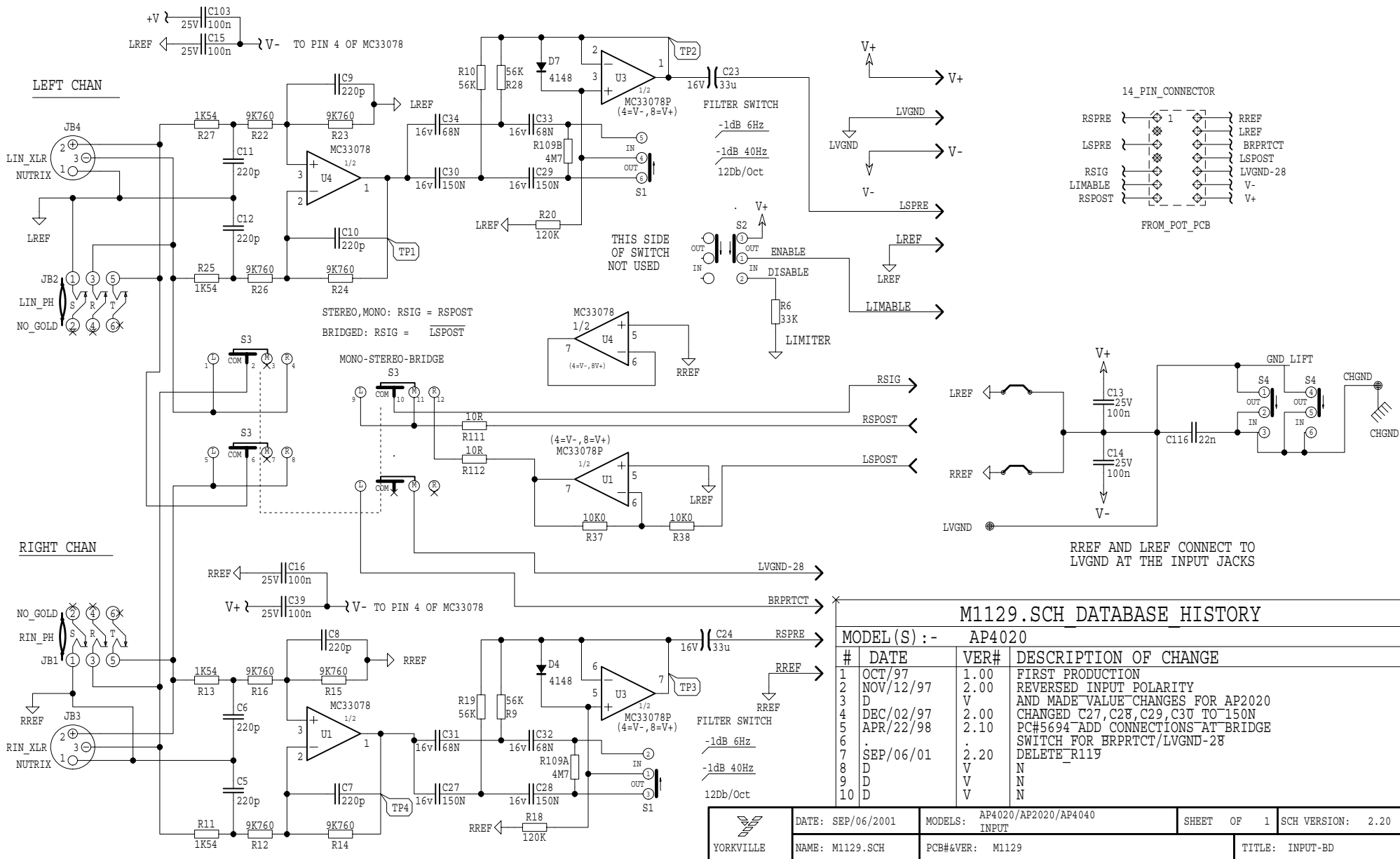


BALANCED INPUT

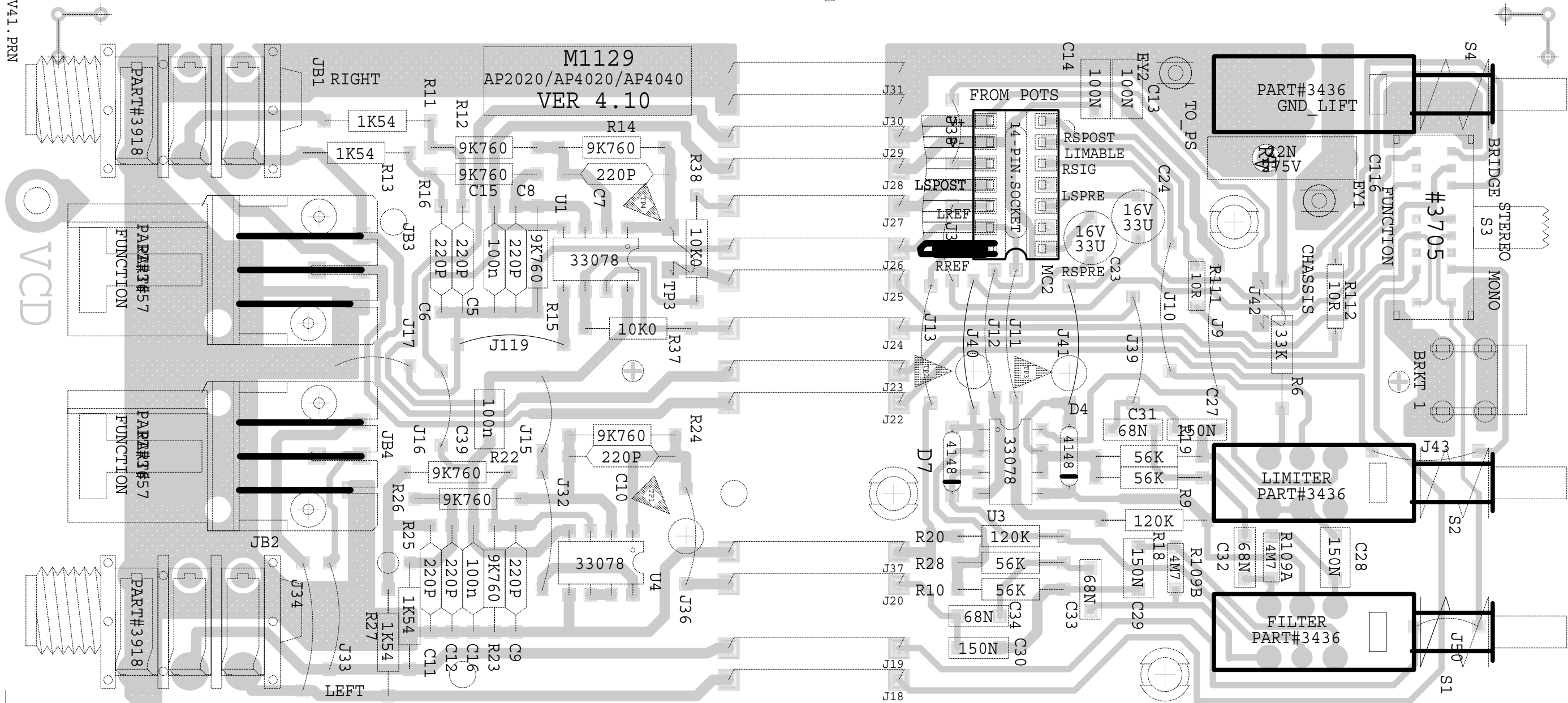
FILTER



M1129.SCH DATABASE HISTORY

MODEL(S) :- AP4020			
#	DATE	VER#	DESCRIPTION OF CHANGE
1	OCT/97	1.00	FIRST PRODUCTION
2	NOV/12/97	2.00	REVERSED INPUT POLARITY
3	D	V	AND MADE VALUE CHANGES FOR AP2020
4	DEC/02/97	2.00	CHANGED C27, C28, C29, C30 TO 150N
5	APR/22/98	2.10	PC#5694 ADD CONNECTIONS AT BRIDGE
6	.	.	SWITCH FOR BRPRTCT/LVGND-28
7	SEP/06/01	2.20	DELETE_R119
8	D	V	N
9	D	V	N
10	D	V	N

YORKVILLE	DATE: SEP/06/2001	MODELS: AP4020/AP2020/AP4040 INPUT	SHEET OF 1	SCH VERSION: 2.20
	NAME: M1129.SCH	PCB#&VER: M1129	TITLE: INPUT-BD	



PRODUCTION NOTES

- 1 FOR XLR #3657 USE SCREW PT#8829 UP THROUGH THE BOTTOM
- 2 FOR M1129B VX1200/2400/J/2402 DO NOT STUFF J40 AND J41 ADD WIRES IN BOARD ASSEMBLY

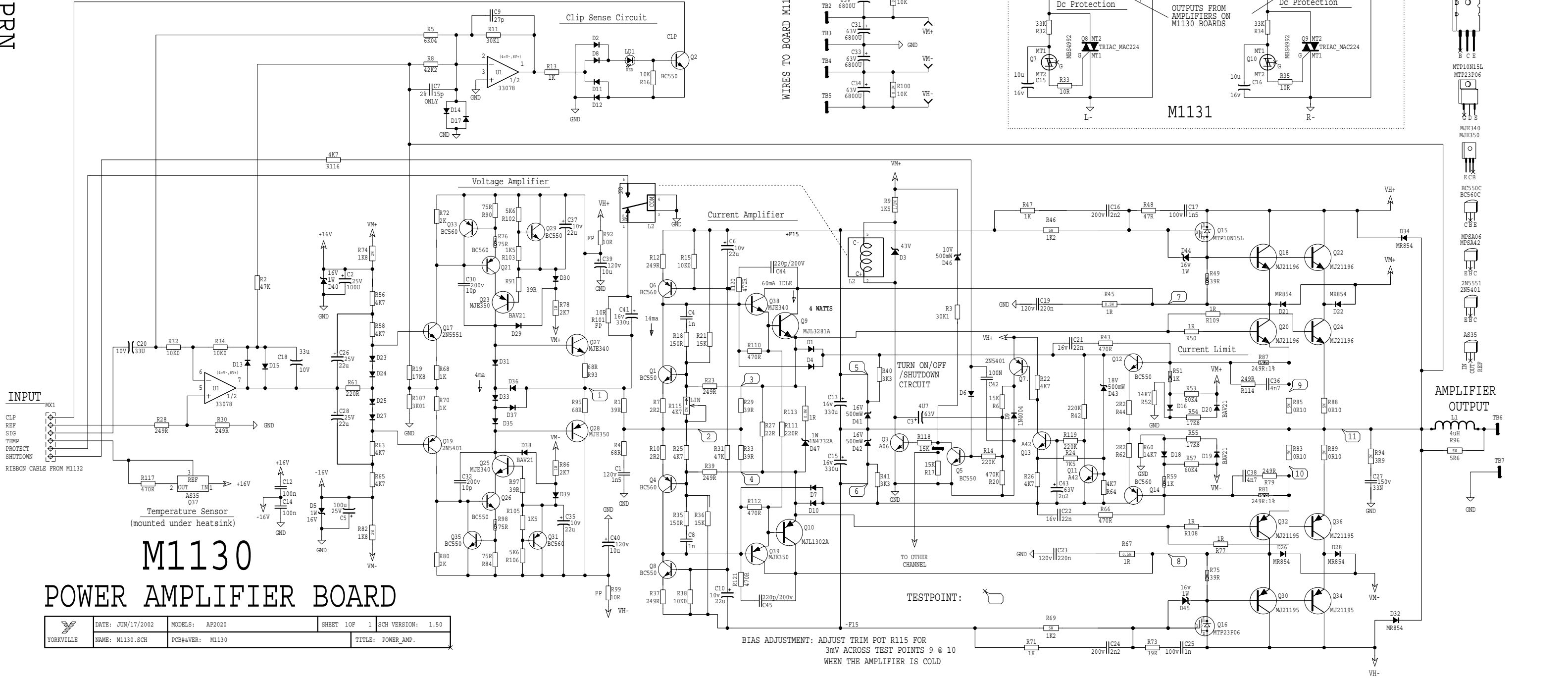
M1129.PCB DATABASE HISTORY

MODEL(S) :- AP4020/4040/2020/VX1200/2400/2402

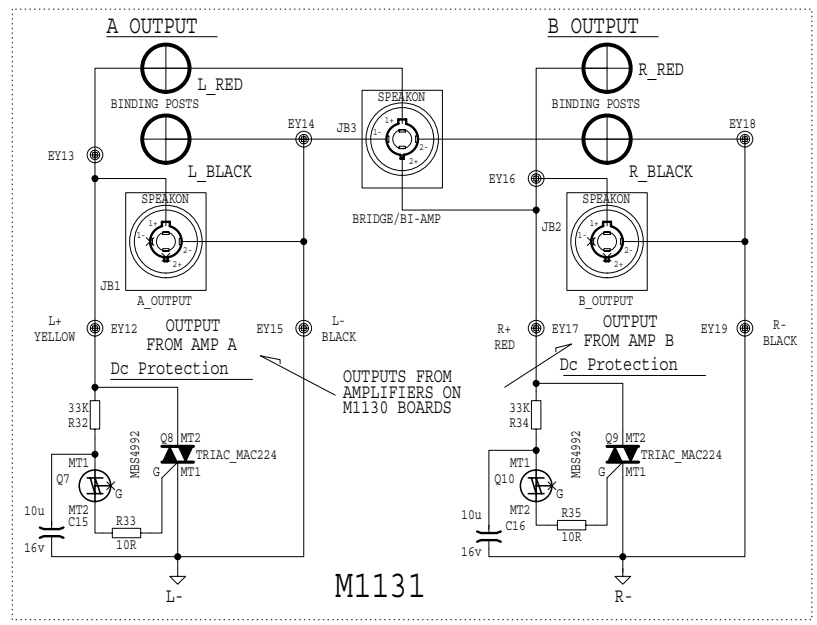
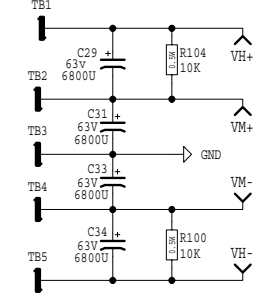
#	DATE	VER#	DESCRIPTION OF CHANGE
1	OCT/97	1.00	FIRST PRODUCTION
2	NOV/97	2.00	SWITCH RREF WITH LREF AND
3	D	V	RSPRE WITH LSPRE AT 14PIN CONNECTOR
4	D	V	SWAP INPUTS TO BE NONINVERTING
5	DEC/02/97	2.00	CHANGE C27 C28 C29 C30 TO 150N
6	APR/16/98	3.00	PC#5694 PINS 10-12 OF MC2 CONNECTED TO BRIDGE SWITCH
7	.	.	.
8	JUL/01/98	4.00	ISOLATE PIN OF SWITCH S3
9	SEP/06/01	4.10	PC#6436 REPLACE R119 10K0->JUMPER
10	D	V	N
11	D	V	N

U:\M1130V15.PRN

M1130.SCH DATABASE HISTORY			M1130.SCH DATABASE HISTORY				
#	DATE	VER#	DESCRIPTION OF CHANGE	#	DATE	VER#	DESCRIPTION OF CHANGE
MODEL(S) :- AP2200			MODEL(S) :- AP2020				
1	DEC/16/97	1.10	PC# R21,R36 20K->15K R31,82K->47K D43 20V->18V R3 20K->30K1 R52, R61 16K9->14K7 R53, R57 64K9->50K4 R34,R55 24K9->17K8 R79,R114 220R->249R C35, C38 22N->4N7 C1768UP->1N5 C25 470P->1N ADD D46, R118, R119, C43 PC# D9 4148->4004 C30, C32 4P7->->10P/200V	1	SEP/06/01	1.40	PC#6434 ADD C44, C45, R120, R121
2				2	JUN/17/02	1.50	PC#6538 R120, 121 100R->470R
3				3			
4				4			C44, 45 1N->220P D41, 42 14V->16V
5				5			C27 10H->33N Q18, 20, 22, 24 #6900->MJ21196 Q30, 32, 34, 36 #6927->MJ21195
6				6			
7				7			
8				8			
9	FEB/23/98	1.20	CORRECTION ATT Q7	9			
10	MAR/10/98	1.30	PC#5641_ADD_LD1	10			



WIRES TO BOARD M1131



- YS6909
- YS6910
- MJL1302A
- MJL3281A
- B C B
- MTP10N15L
- MTP23P06
- G D S
- MJE340
- MJE350
- E C B
- BC550C
- BC560C
- C B E
- MPSA06
- MPSA42
- E B C
- 2N5551
- 2N5401
- E B C
- AS35
- H C REF

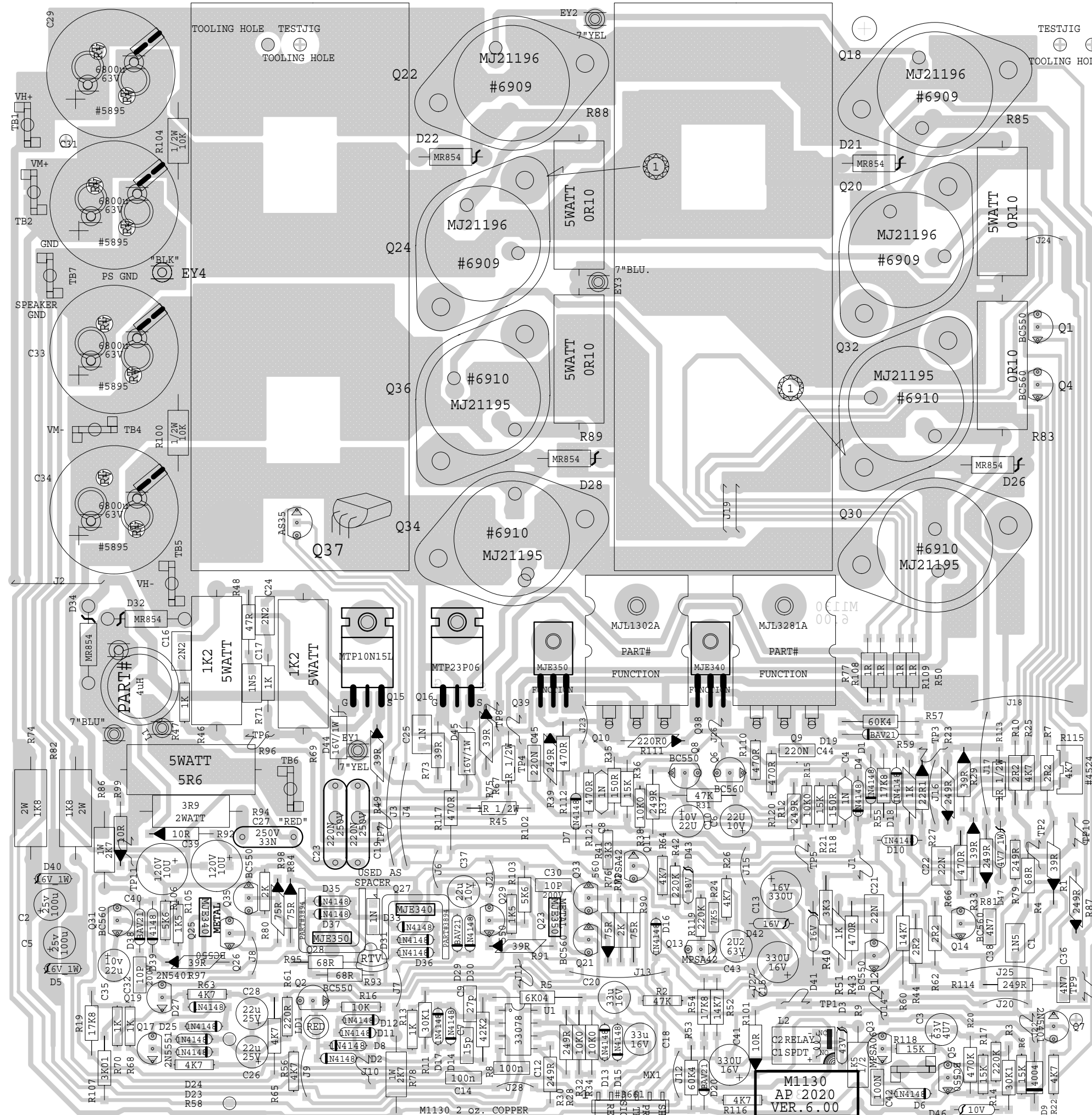
M1130 POWER AMPLIFIER BOARD

YORKVILLE	DATE: JUN/17/2002	MODELS: AP2020	SHEET 1 OF 1	SCH VERSION: 1.50
	NAME: M1130.SCH	PCB#VER: M1130	TITLE: POWER_AMP.	

BIAS ADJUSTMENT: ADJUST TRIM POT R115 FOR 3mv ACROSS TEST POINTS 9 @ 10 WHEN THE AMPLIFIER IS COLD

PRODUCTION NOTES
MOUNTING DETAILS FOR 5W

REF: 9609



SOS COPPER

ASSEMBLY M1130-6.00
PCB MECH M1130-6.00

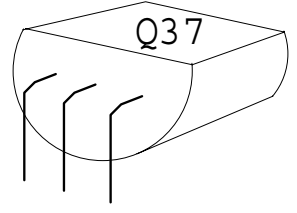
M1130.PCB DATABASE HISTORY			
#	DATE	VER#	DESCRIPTION OF CHANGE
1	DEC/97	1.00	FIRST PRODUCTION
2	DEC/16/97	2.00	PC# R21,R36 20K->15K R31 82K->47K D43 20V->18V R3 20K->30KI R52 R61 16K9->14K7 R53,R57 64K9->60K4 R54,R55 24K9->17K8 R79,R114 220R->249R C36,C38 22N->4N7 C17 680P->1N5 C25 470P->1N ADD R118,R119,C43,D46 ADD TAB TO CONNECT 1 AMP->OTHER AMP PC# R109,50,108,70 FLAMPREF->REG D9 4I48->4004 C30,C32 4P7->10P/200V PC#5641 ADD LD1 DO PC5634->5642
3			
4			
5			
6			
7			
8			
9	DEC/16/97		
10			
11	MAR/10/98	3.00	
	JUL/17/98	4.00	PC#5799 TAB3 TO EYELET EY4
	SEP/06/01	5.00	PC#6434 ADD C45,C121 AT Q39_ADD_C44 R120 AT Q38
			PC#6051 Q27,Q28 HTSNK #3896->#3894
	DEC/17/01	5.10	PC#6493 R120/R121 150R->100R
	JUN/17/02	5.20	PC#6538 Q18,20,22,24 #6900->6909 Q30,32,34,36 #6927->#6910 R120,121 100R->470R C44,C45 1N->220P D41,42 14V->16V C27 10N->33N PC#6547_ADD_TEST-JIG_HOLE
	JUL/04/02	6.00	

TAB WIRE COLOURS

TAB 1	RED	16AWG
TAB 2	YEL	16AWG
TAB 4	BLK	16AWG
TAB 4	WHT	16AWG
TAB 5	BLU	16AWG
TAB 6	OUTPUT +	
TAB 7	OUTPUT -	

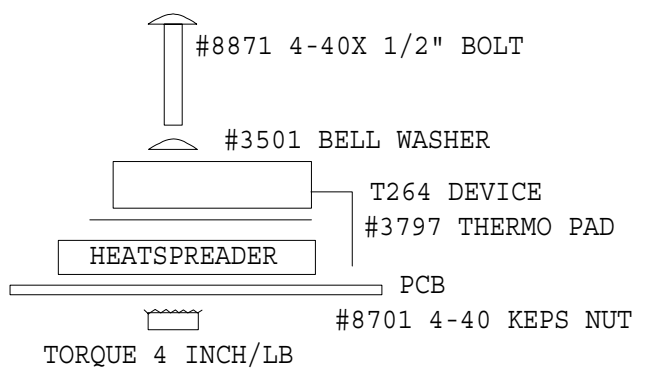
USE #XXXX SMALL BODY 1R 1W FOR R33,R49

Q37 IS HAND INSERTED AND BENT OVER WITH FLAT SIDE UP AS SHOWN

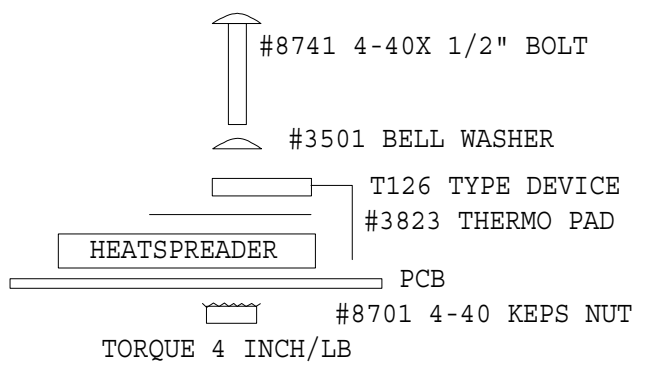


ADD #8629 SPACERS ONLY ON 5 WATT RESISTORS R46, R69

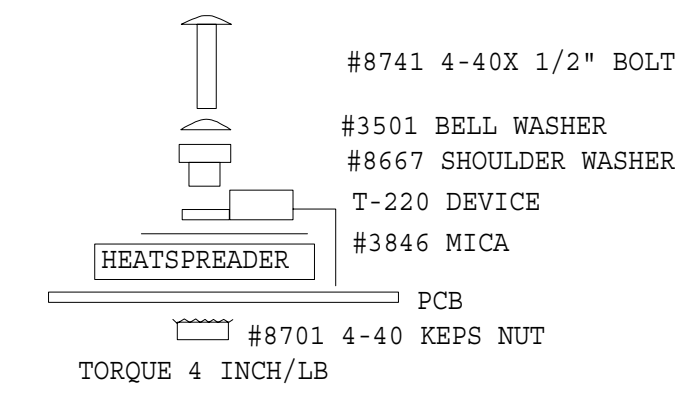
MOUNTING HARDWARE FOR Q9,Q10



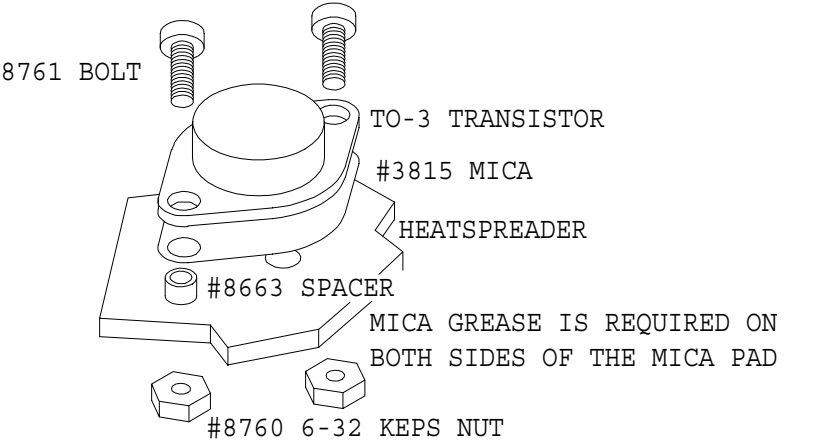
MOUNTING HARDWARE FOR Q38,Q39



MOUNTING HARDWARE FOR Q15,Q16

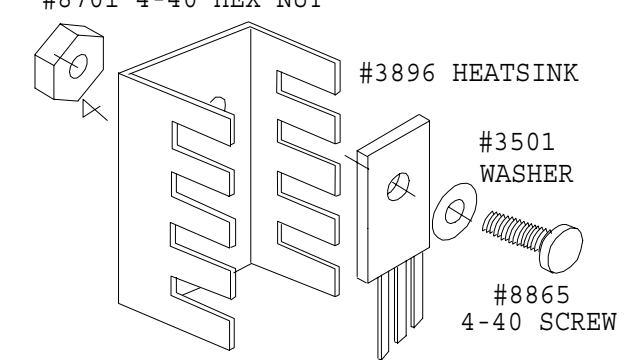


MOUNTING HARDWARE FOR TO3 OUTPUTS



INITIAL TORQUE FOR TO-3'S IS 8 INCH/LB
FINAL TORQUE AFTER HEATSINK HAS COOLED FROM WAVE SOLDER IS 6 INCH/LB

MOUNTING FOR Q28,Q37



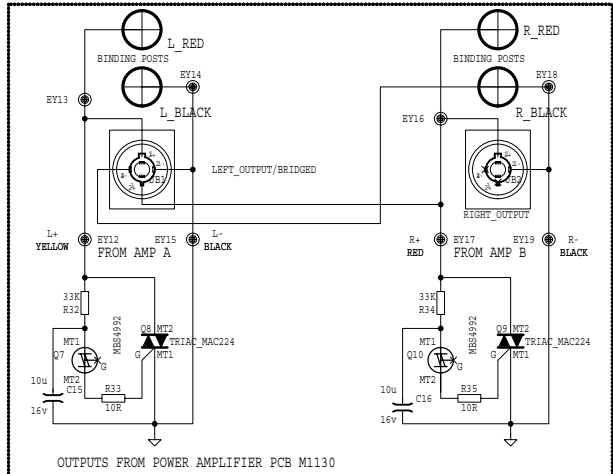
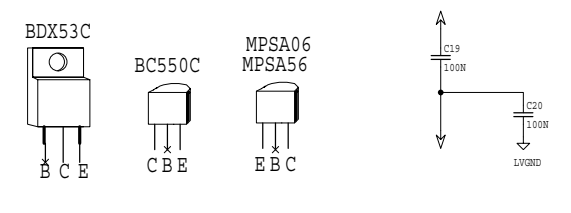
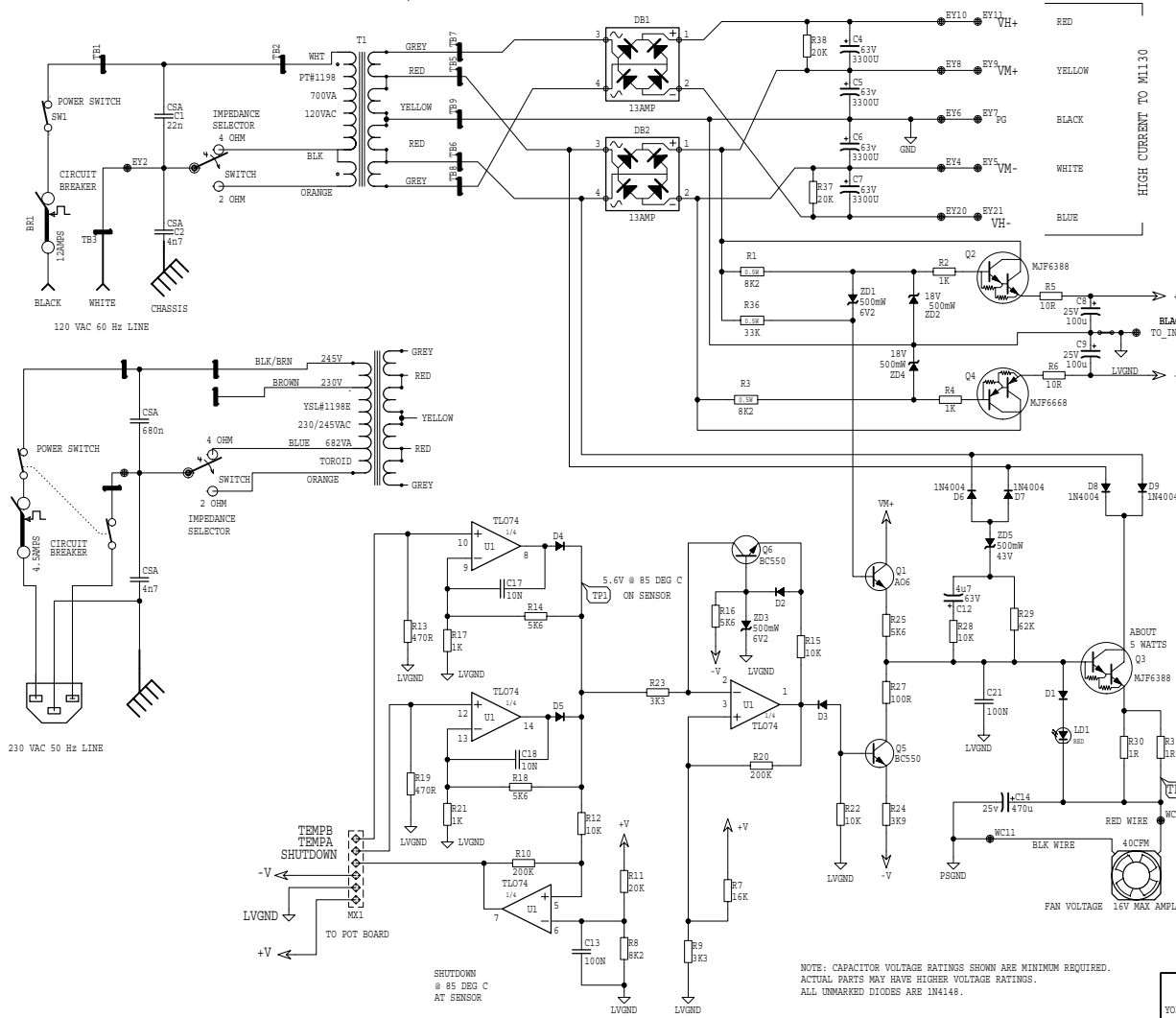
Q1 Q4 ARE HAND INSERTED

SOS

S

SERVICE WARNING: POTENTIALS CLOSE TO 200 VDC, USE CAUTION.

POWER SUPPLY



M1131.SCH DATABASE HISTORY

MODEL(S) :- AP2020			
#	DATE	VER#	DESCRIPTION OF CHANGE
1	NOV/97	1.00	FIRST PRODUCTION
2	MAY/27/98	1.10	ADD CE POWER SUPPLY
3	JUL/16/98	1.20	XFMR WIRE COLORS TO CSA/CE STANDARD
4	OCT/14/99	1.30	DELETE ONE SPEAKER JACK
5	MAY/08/00	1.40	PCB#5654_ZDI-4V7->6V2
6	D	V	N
7	D	V	N
8	D	V	N
9	D	V	N
10	D	V	N

NOTE: CAPACITOR VOLTAGE RATINGS SHOWN ARE MINIMUM REQUIRED. ACTUAL PARTS MAY HAVE HIGHER VOLTAGE RATINGS. ALL UNMARKED DIODES ARE 1N4148.

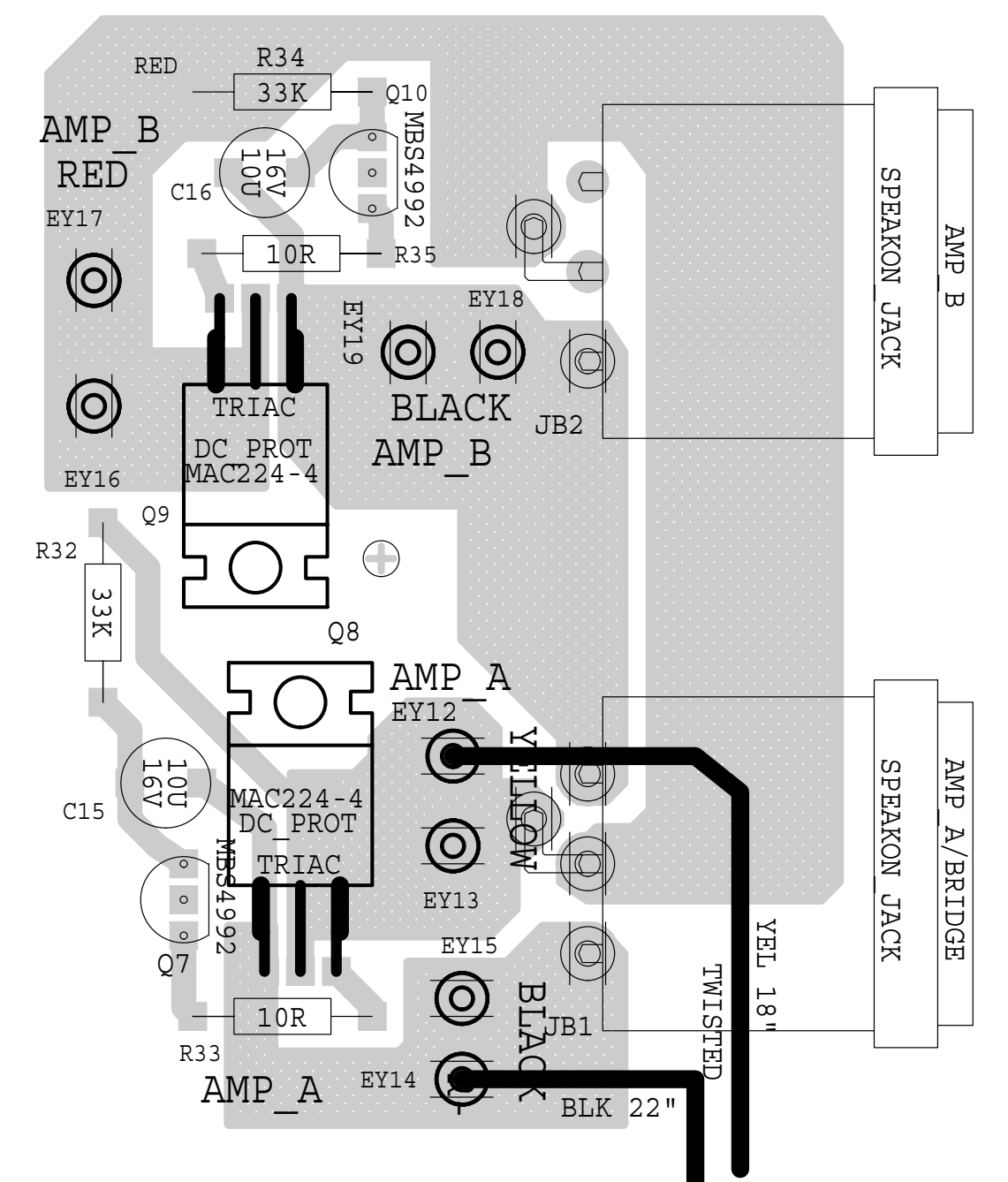
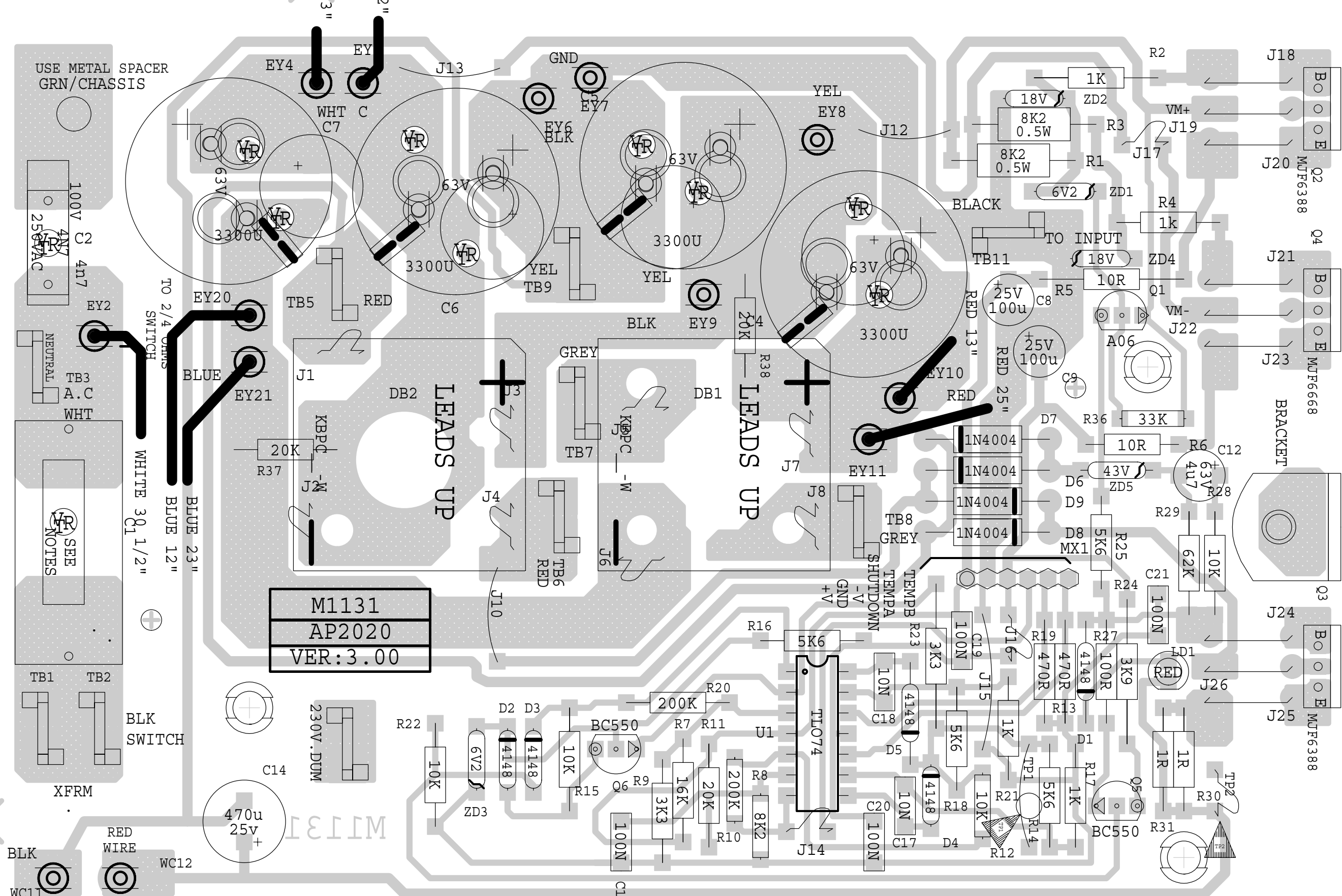
YORKVILLE	DATE: MAY/08/2000	MODELS: AUDIOPRO_2020	SCH ISSUE: 1.40
	NAME: M1131.SCH	PCB#AVER: M1131	TITLE: SUPPL14FAN_PCB

ASSEMBLY M1131-3.00
 PCB MECH M1131-3.00

BLANK SIZE=15.000" X 10.000"



2 OZ COPPER



M1131
 AP2020
 VER:3.00

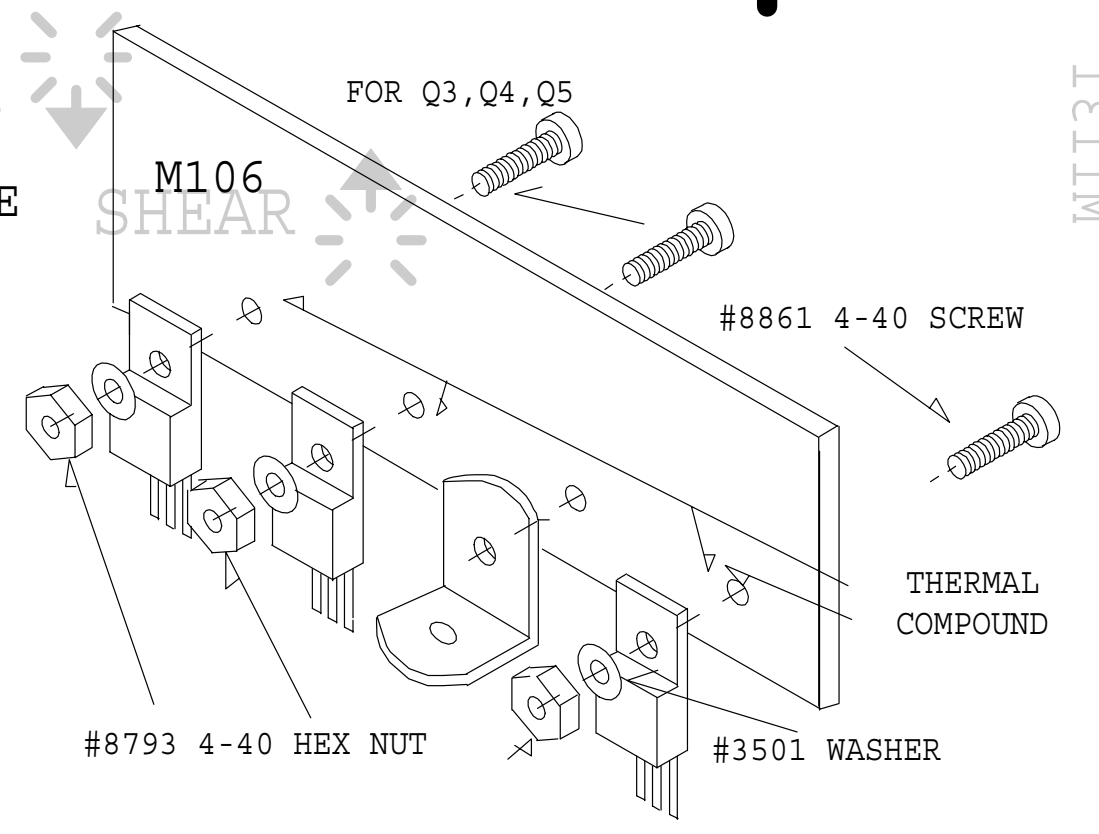
00.3-1311M EPT29D1102

M1131.PCB DATABASE HISTORY

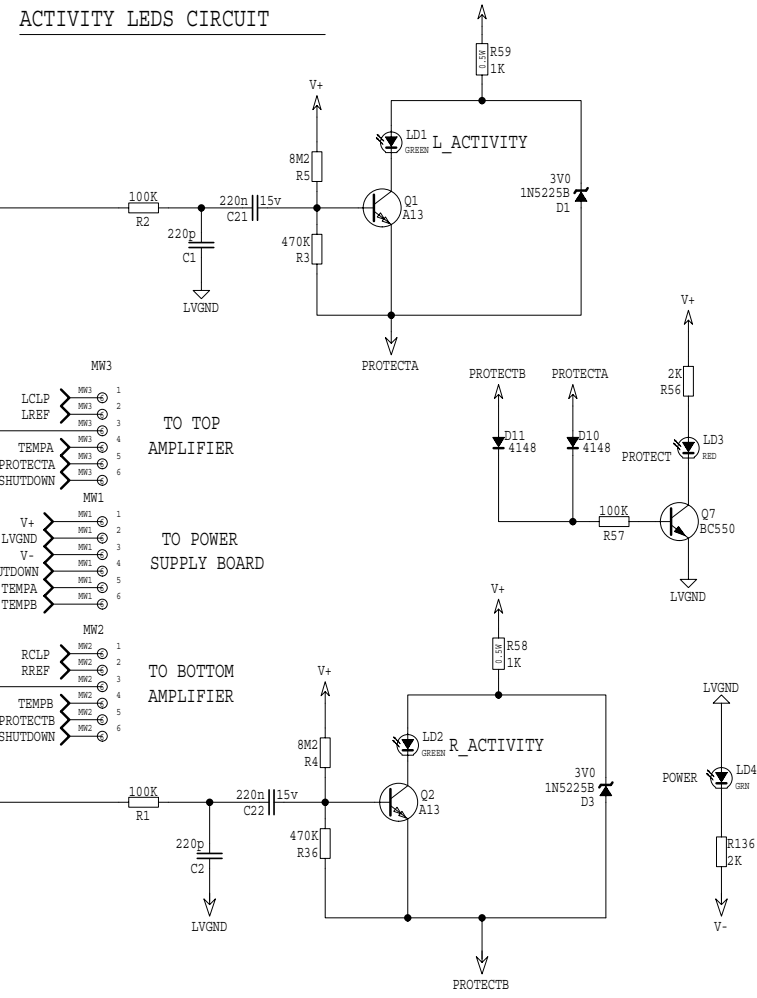
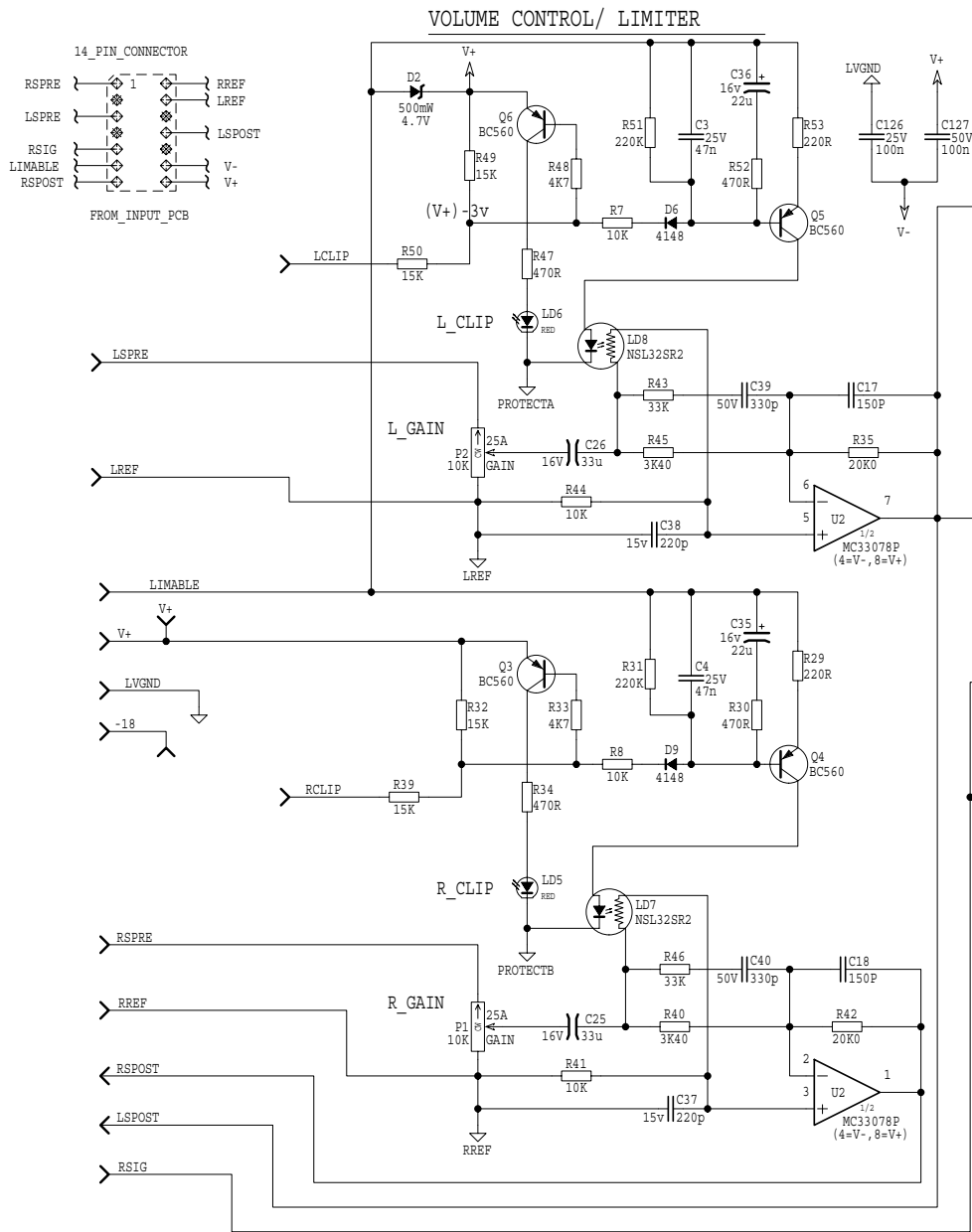
#	DATE	VER#	DESCRIPTION OF CHANGE
MODEL(S) :- AP2020			
1	MAR/12/98	2.00	PC#5654 ZD1 4V7->6V2 MOVE SHEARS TO CLEAR HEATSPREADER 1 EYELET->TAB
2	.	.	.
3	AUG/24/99	3.00	PC#5943,#6064 PARTS MOVED FOR CLEARANCE IN AUTOINS C2_#6458->6451
4	.	.	PC#6009 SPKON REMOVED
5	.	.	PC#6064_MOVE_ZD4_TAB11
6	SEP/17/99	.	.
7	D	V	N
8	D	V	N
9	D	V	N
10	D	V	N
11	D	V	N

PRODUCTION NOTES

- DO NOT CUT CENTER LEAD OF THE TRIACS BEND THE LEAD (UNCUT) ALONG THE TRACE AND SOLDER
- SEE PETER BEFORE MOUNTING L BRACKET
- FOR C1 USE 22N FOR NORTH AMERICAN AND 680N FOR EURO/CE
- Q8,Q9 USE #8799 SELF TAPPING SCREW
- Q2,Q3,Q4 BEND THE LEADS (UNCUT) ALONG THE TRACE



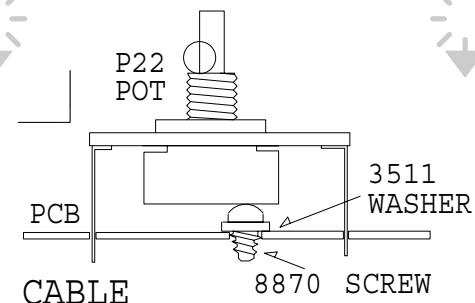
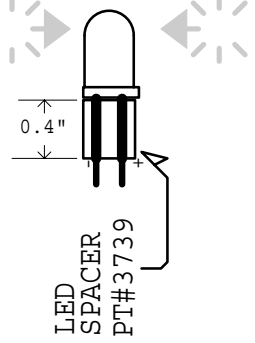
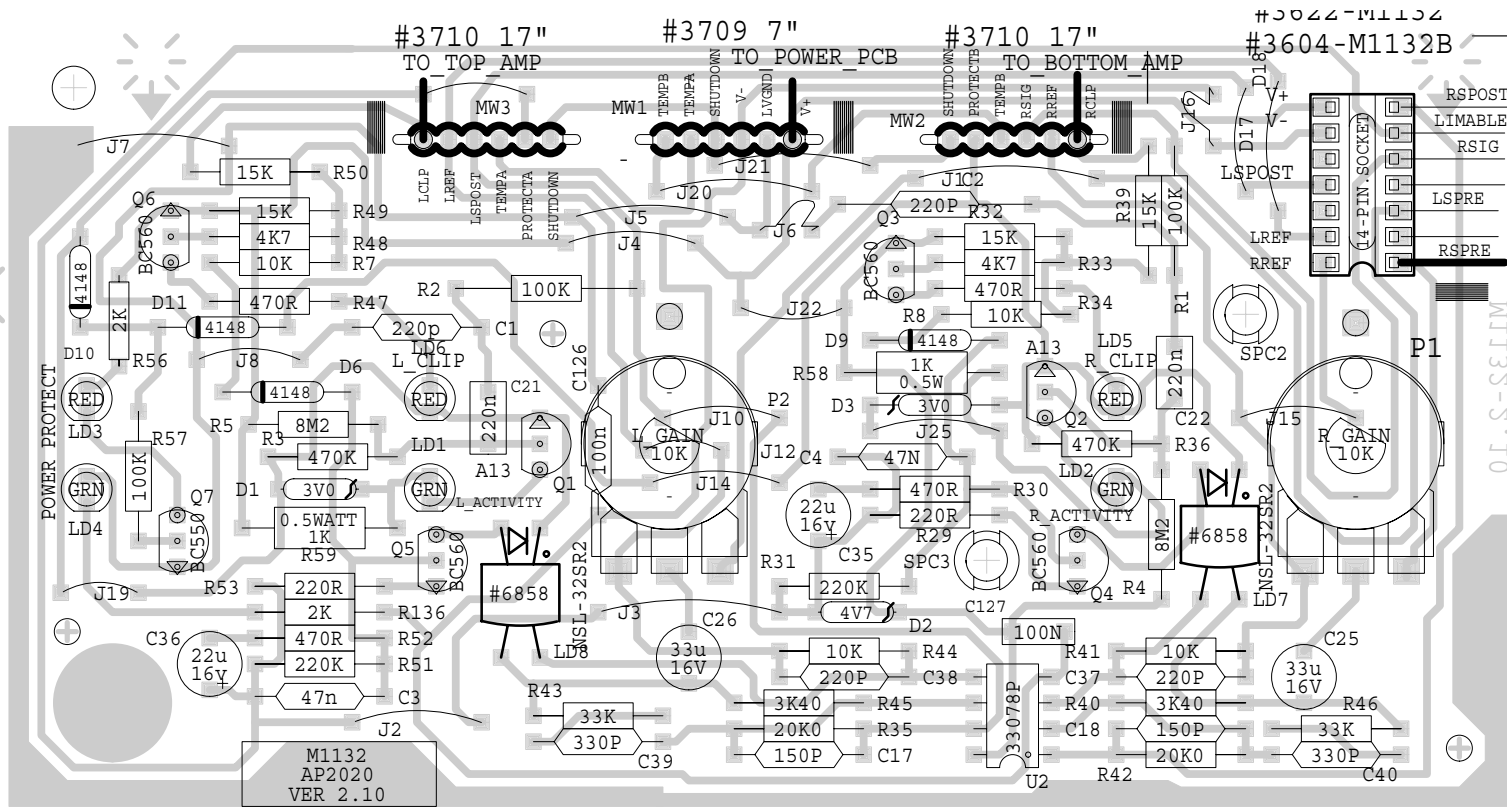
1311M



- MP6A13
- BC560C
- BC560C

M1132.SCH DATABASE HISTORY

MODEL(S) :- AP2020			
#	DATE	VER#	DESCRIPTION OF CHANGE
1	APR/03/98	1.10	C17/C18 100P->150P
2	NOV/20/01	1.20	PC#6466_LD7, LD8_NSL28AA->NSL32SR2
3	D	V	N
4	D	V	N
5	D	V	N
6	D	V	N
7	D	V	N
8	D	V	N
9	D	V	N
10	D	V	N



M1132.PCB DATABASE HISTORY

MODEL(S) :- AP2020/VX1200

#	DATE	VER#	DESCRIPTION OF CHANGE
1	DEC/09/98	2.00	PC#5688 SPACING FOR C38,C37 CHANGED
2	.	.	R58,R59 SPACING TO .76" FOR I/2W
3	.	.	POT SUPPORT SCREW HOLES ADDED
4	NOV/20/01	2.10	PC#6466_LD7,LD8_NSL-28AA->NSL32SR2
5	D	V	N
6	D	V	N
7	D	V	N
8	D	V	N
9	D	V	N
10	D	V	N
11	D	V	N

NOTES

- 1 ADD A STICKER OVER THE AP-2020 LEGEND "M1132B" TO AID IN IDENTIFYING VX1200 BOARDS
- 2 FOR M1132 USE #3622 CABLE
FOR M1132B USE #3604 CABLE