



SERVICE MANUAL

MODEL TYPE: YS1011
PM16 / PM22

WEB ACCESS: <http://www.yorkville.com>

WORLD HEADQUARTERS CANADA

Yorkville Sound
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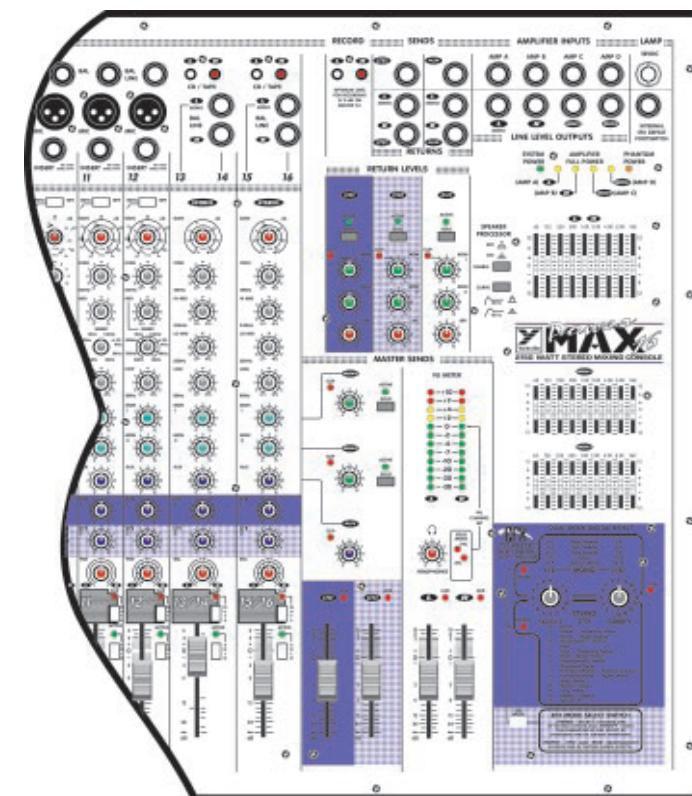
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Printed in Canada

IMPORTANT SAFETY INSTRUCTIONS



This lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

Ce symbole d'éclair avec tête de flèche dans un triangle équilatéral est prévu pour alerter l'utilisateur de la présence d'un « voltage dangereux » non-isolé à proximité de l'enceinte du produit qui pourrait être d'amplitude suffisante pour présenter un risque de choc électrique.



CAUTION AVIS

RISK OF ELECTRIC SHOCK
DO NOT OPEN

RISQUE DE CHOC ELECTRIQUE
NE PAS OUVRIR



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.



S2125A

Le point d'exclamation à l'intérieur d'un triangle équilatéral est prévu pour alerter l'utilisateur de la présence d'instructions importantes dans la littérature accompagnant l'appareil en ce qui concerne l'opération et la maintenance de cet appareil.

FOLLOW ALL INSTRUCTIONS

Instructions pertaining to a risk of fire, electric shock, or injury to a person

CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK).

NO USER SERVICEABLE PARTS INSIDE.

REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

SUIVEZ TOUTES LES INSTRUCTIONS

Instructions relatives au risque de feu, choc électrique, ou blessures aux personnes

AVIS: AFIN DE REDUIRE LES RISQUE DE CHOC ELECTRIQUE, N'ENLEVEZ PAS LE COUVERT (OU LE PANNEAU ARRIERE) NE CONTIENT AUCUNE PIECE

REPARABLE PAR L'UTILISATEUR.

CONSULTEZ UN TECHNICIEN QUALIFIE POUR L'ENTRETIEN

Read Instructions: The Owner's Manual should be read and understood before operation of your unit. Please, save these instructions for future reference and heed all warnings.

Clean only with dry cloth.

Packaging: Keep the box and packaging materials, in case the unit needs to be returned for service.

Warning: To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture. *Do not use this apparatus near water!*

Warning: When using electric products, basic precautions should always be followed, including the following:

Power Sources

Your unit should be connected to a power source only of the voltage specified in the owners manual or as marked on the unit. This unit has a polarized plug. Do not use with an extension cord or receptacle unless the plug can be fully inserted. Precautions should be taken so that the grounding scheme on the unit is not defeated. An apparatus with CLASS I construction shall be connected to a Mains socket outlet with a protective earthing ground. Where the MAINS plug or an appliance coupler is used as the disconnect device, the disconnect device shall remain readily operable.

Hazards

Do not place this product on an unstable cart, stand, tripod, bracket or table. The product may fall, causing serious personal injury and serious damage to the product. Use only with cart, stand, tripod, bracket, or table recommended by the manufacturer or sold with the product. Follow the manufacturer's instructions when installing the product and use mounting accessories recommended by the manufacturer. Only use attachments/accessories specified by the manufacturer

Note: Prolonged use of headphones at a high volume may cause health damage on your ears.

The apparatus should not be exposed to dripping or splashing water; no objects filled with liquids should be placed on the apparatus.

Terminals marked with the "lightning bolt" are hazardous live; the external wiring connected to these terminals require installation by an instructed person or the use of ready made leads or cords.

Ensure that proper ventilation is provided around the appliance. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.

No naked flame sources, such as lighted candles, should be placed on the apparatus.

Power Cord

Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet. The AC supply cord should be routed so that it is unlikely that it will be damaged. Protect the power cord from being walked on or pinched particularly at plugs. If the AC supply cord is damaged DO NOT OPERATE THE UNIT. To completely disconnect this apparatus from the AC Mains, disconnect the power supply cord plug from the AC receptacle. The mains plug of the power supply cord shall remain readily operable.

Unplug this apparatus during lightning storms or when unused for long periods of time.

Service

The unit should be serviced only by qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

Veuillez Lire le Manuel: Il contient des informations qui devraient être comprises avant l'opération de votre appareil. Conservez. Gardez S.V.P ces instructions pour consultations ultérieures et observez tous les avertissements.

Nettoyez seulement avec le tissu sec.

Emballage: Conservez la boite au cas où l'appareil devait être retourné pour réparation.

Avertissement: Pour réduire le risque de feu ou la décharge électrique, n'exposez pas cet appareil à la pluie ou à l'humidité. *N'utilisez pas cet appareil près de l'eau!*

Attention: Lors de l'utilisation de produits électriques, assurez-vous d'adhérer à des précautions de bases incluant celle qui suivent:

Alimentation

L'appareil ne doit être branché qu'à une source d'alimentation correspondant au voltage spécifié dans le manuel ou tel qu'indiqué sur l'appareil. Cet appareil est équipé d'une prise d'alimentation polarisée. Ne pas utiliser cet appareil avec un cordon de raccordement à moins qu'il soit possible d'insérer complètement les trois lames. Des précautions doivent être prises afin d'éviter que le système de mise à la terre de l'appareil ne soit désengagé. Un appareil construit selon les normes de CLASS I devrait être raccordé à une prise murale d'alimentation avec connexion intacte de mise à la masse. Lorsqu'une prise de branchement ou un coupleur d'appareils est utilisée comme dispositif de débranchement, ce dispositif de débranchement devra demeurer pleinement fonctionnel avec raccordement à la masse.

Risque

Ne pas placer cet appareil sur un chariot, un support, un trépied ou une table instables. L'appareil pourrait tomber et blesser quelqu'un ou subir des dommages importants. Utiliser seulement un chariot, un support, un trépied ou une table recommandés par le fabricant ou vendus avec le produit. Suivre les instructions du fabricant pour installer l'appareil et utiliser les accessoires recommandés par le fabricant. Utilisez seulement les attaches/accessoires indiqués par le fabricant

Note: L'utilisation prolongée des écouteurs à un volume élevé peut avoir des conséquences néfastes sur la santé sur vos oreilles. .

Il convient de ne pas placer sur l'appareil de sources de flammes nues, telles que des bougies allumées.

L'appareil ne doit pas être exposé à des égouttements d'eau ou des éclaboussures et qu'aucun objet rempli de liquide tel que des vases ne doit être placé sur l'appareil.

Assurez que l'appareil est fourni de la propre ventilation. Ne procédez pas à l'installation près de source de chaleur tels que radiateurs, registre de chaleur, fours ou autres appareils (incluant les amplificateurs) qui produisent de la chaleur.

Les dispositifs marqués d'une symbole "d'éclair" sont des parties dangereuses au toucher et que les câblages extérieurs connectés à ces dispositifs de connection extérieure doivent être effectivés par un opérateur formé ou en utilisant des cordons déjà préparés.

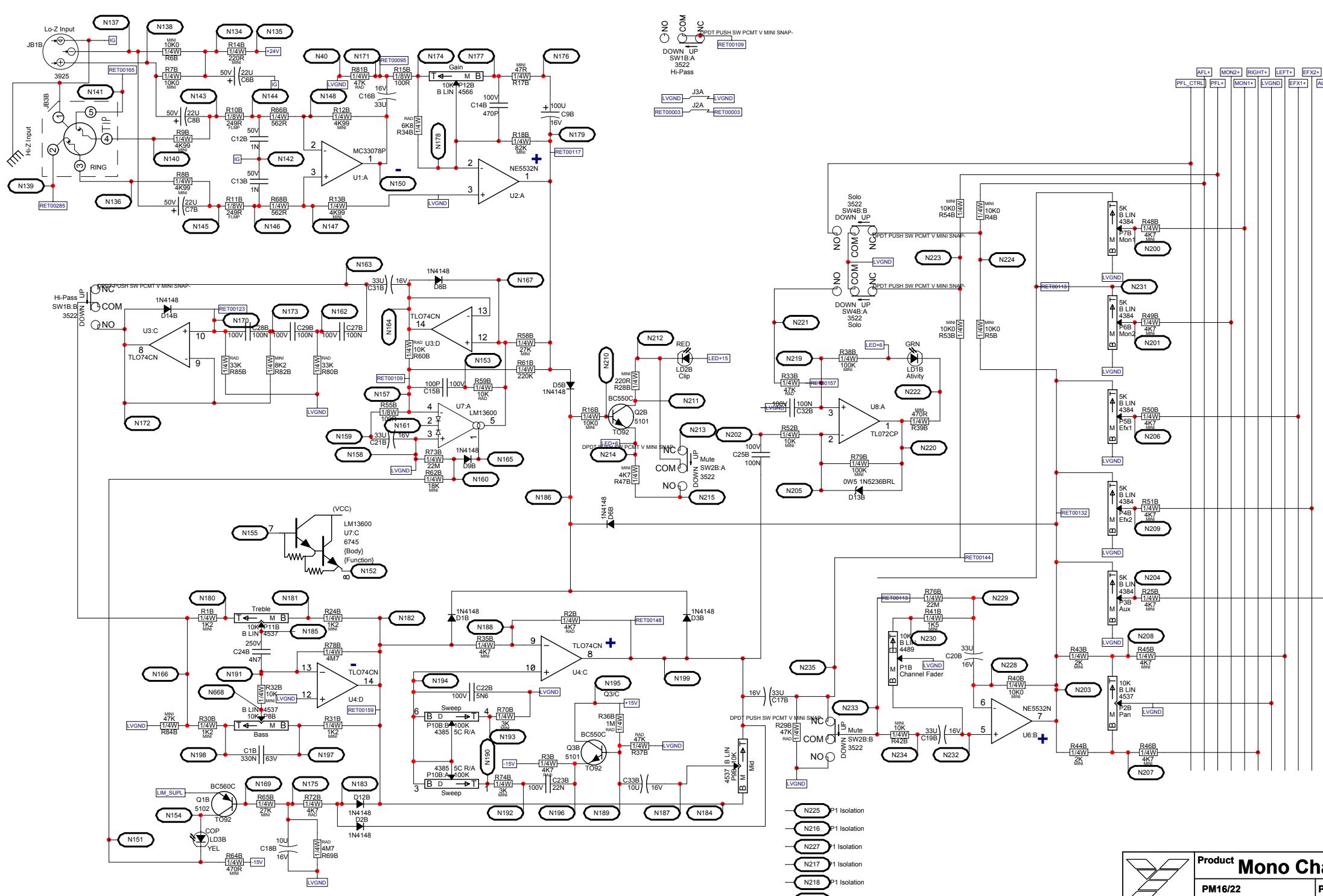
Cordon d'Alimentation

Ne pas enlever le dispositif de sécurité sur la prise polarisée ou la prise avec tige de mise à la masse du cordon d'alimentation. Une prise polarisée dispose de deux lames dont une plus large que l'autre. Une prise avec tige de mise à la masse dispose de deux lames en plus d'une troisième tige qui connecte à la masse. La lame plus large ou la tige de mise à la masse est prévu pour votre sécurité. La prise murale est désuete si elle n'est pas conçue pour accepter ce type de prise avec dispositif de sécurité. Dans ce cas, contactez un électricien pour faire remplacer la prise murale. Évitez d'endommager le cordon d'alimentation. Protégez le cordon d'alimentation. Assurez-vous qu'on ne marche pas dessus et qu'on ne le pince pas en particulier aux prises. **N'UTILISEZ PAS L'APPAREIL** si le cordon d'alimentation est endommagé. Pour débrancher complètement cet appareil de l'alimentation CA principale, déconnectez le cordon d'alimentation de la prise d'alimentation murale. Le cordon d'alimentation du bloc d'alimentation de l'appareil doit demeurer pleinement fonctionnel.

Débranchez cet appareil durant les orages ou si inutilisé pendant de longues périodes.

Service

Consultez un technicien qualifié pour l'entretien de votre appareil. L'entretien est nécessaire quand l'appareil a été endommagé de quelque façon que se soit. Par exemple si le cordon d'alimentation ou la prise du cordon sont endommagés, si il y a eu du liquide qui a été renversé à l'intérieur ou des objets sont tombés dans l'appareil, si l'appareil a été exposé à la pluie ou à l'humidité, si il ne fonctionne pas normalement, ou a été échappé.

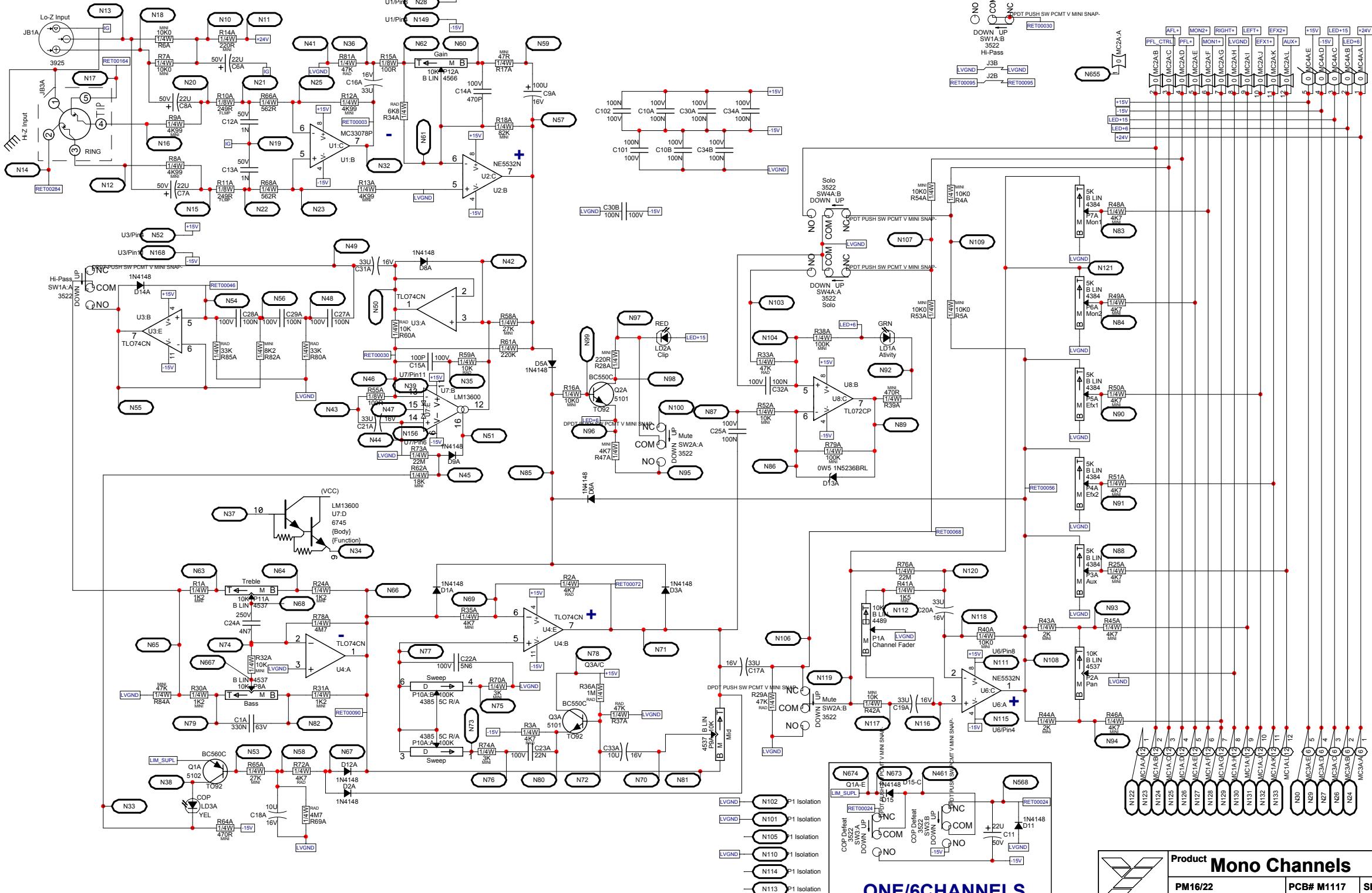


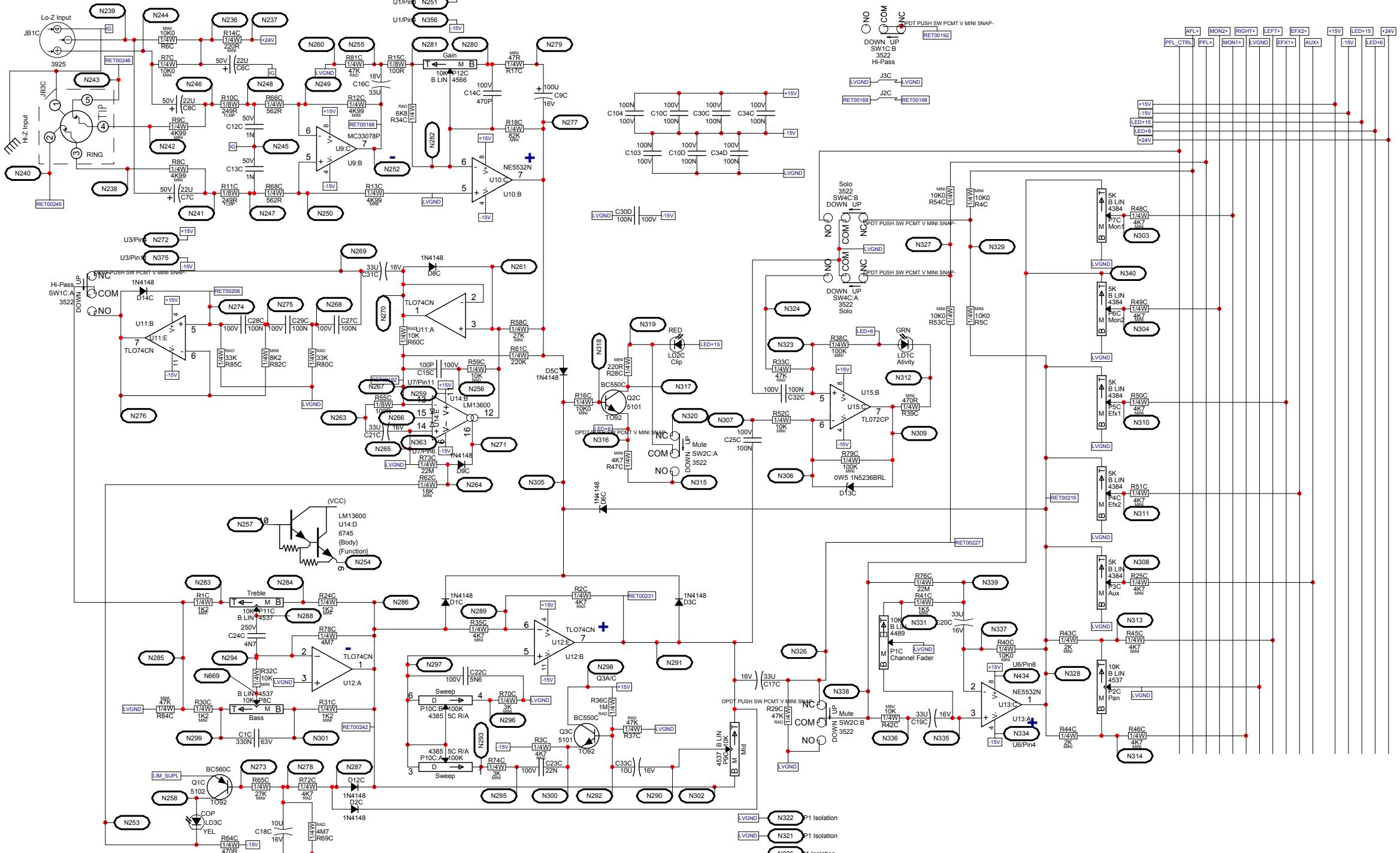
Product Mono Channels

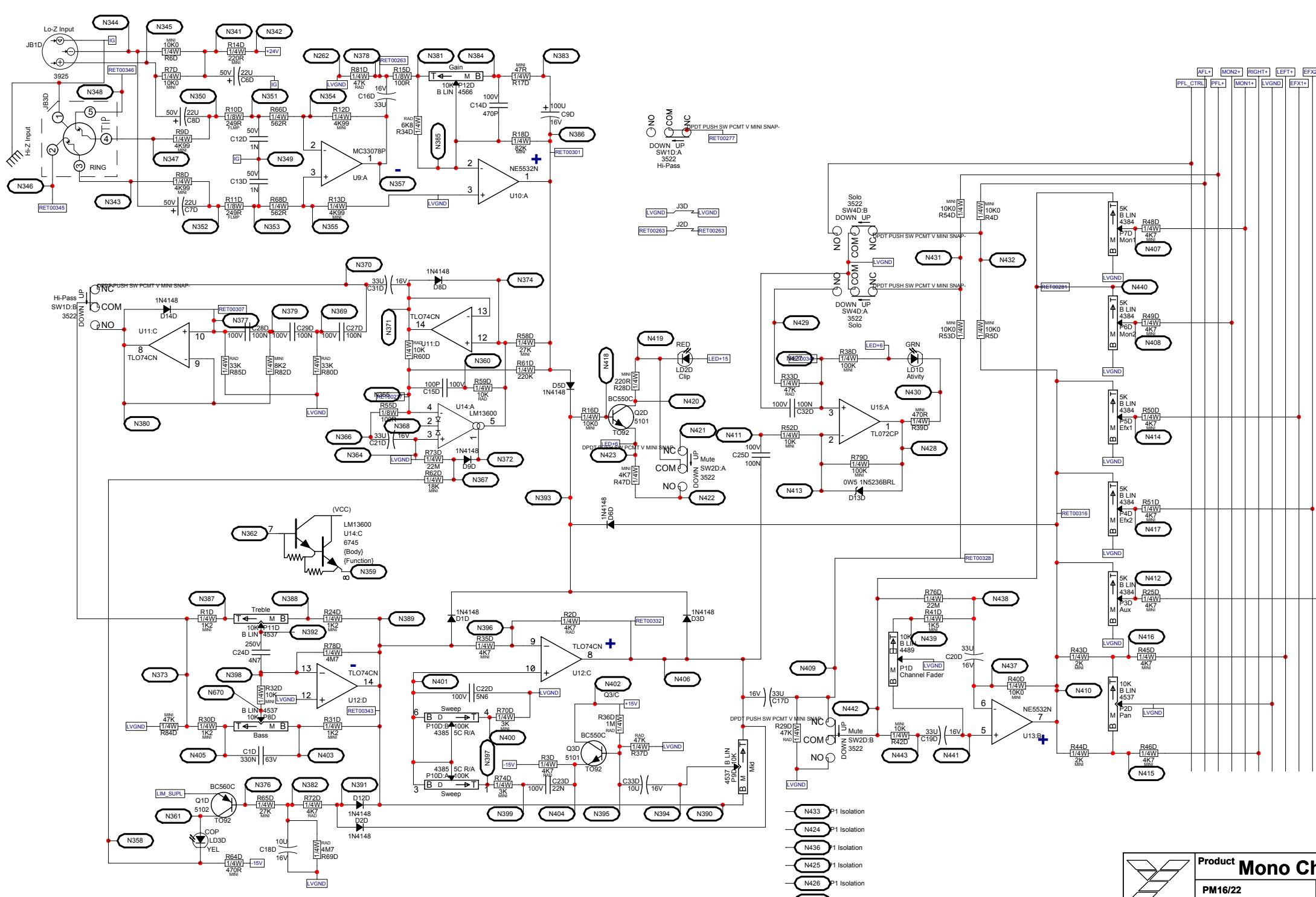
PM16/22 PCB# M1117 Sheet 1 of 7

Date: Thu May 02, 2002 Rev: 1.20

Filename: m1117-1V2.sch2001





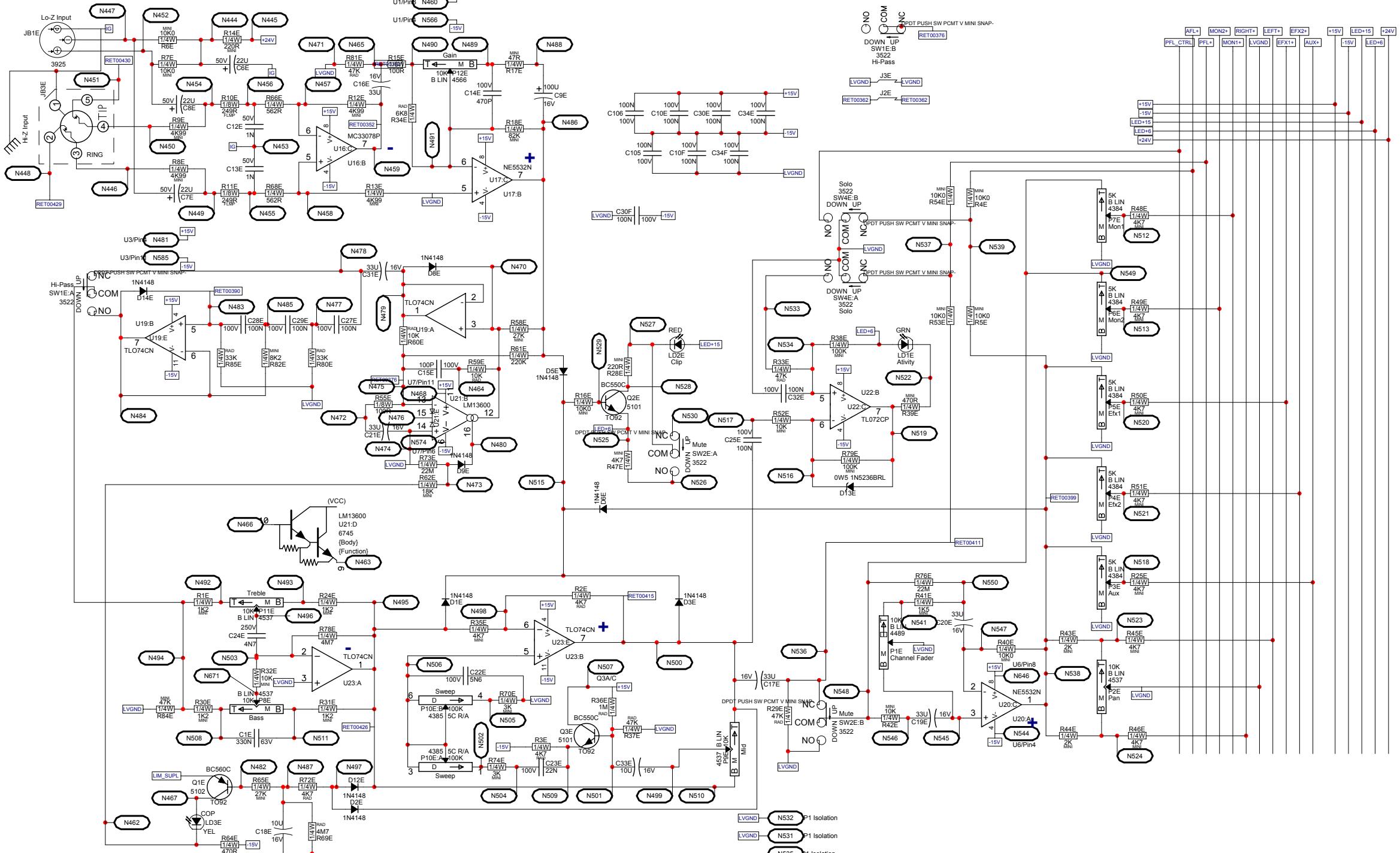


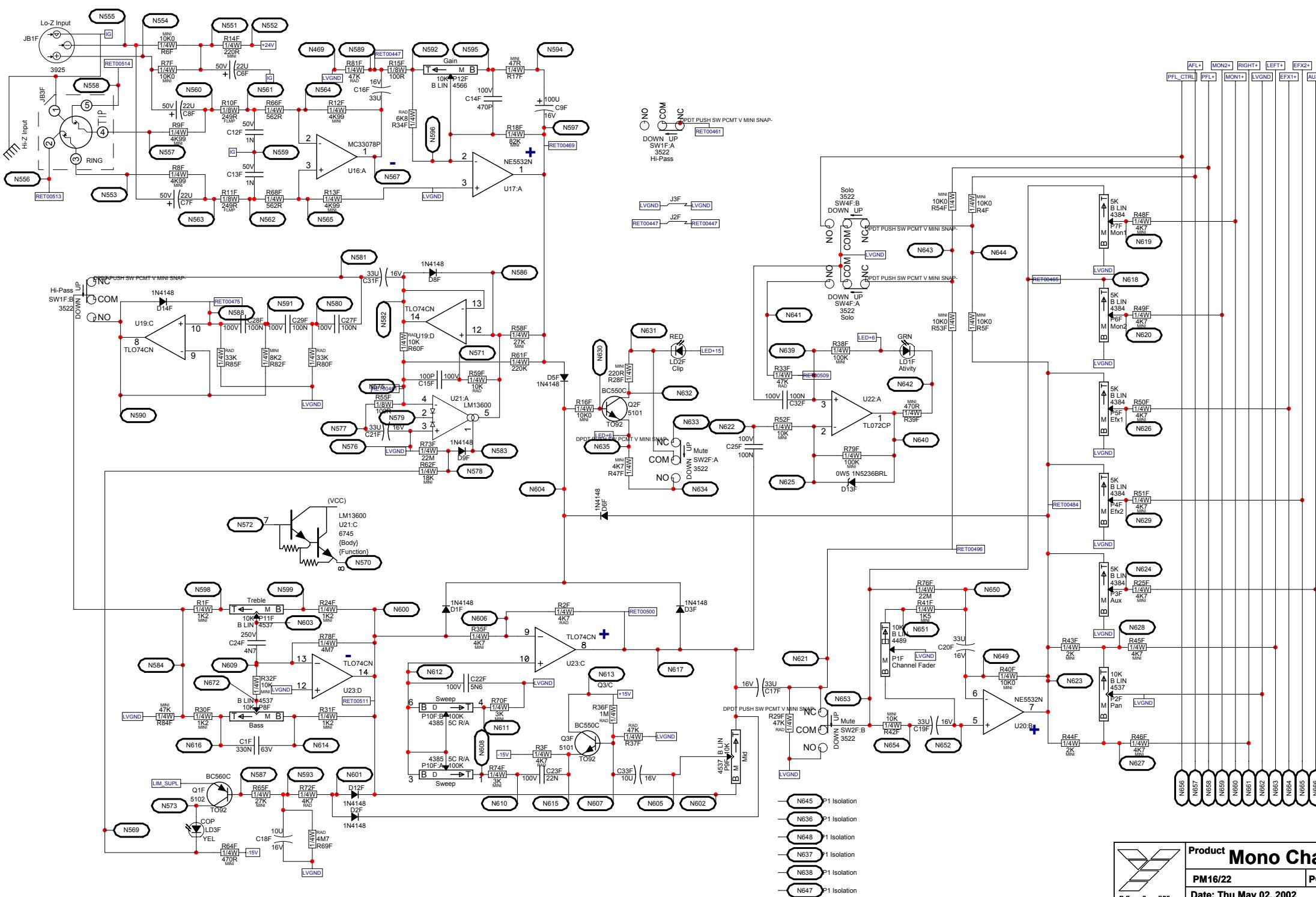
Product Mono Channels

PM16/22 PCB# M1117 Sheet 4 of 7

Date: Thu May 02, 2002 Rev: 1.20

Filename: m1117-1V2.sch2001



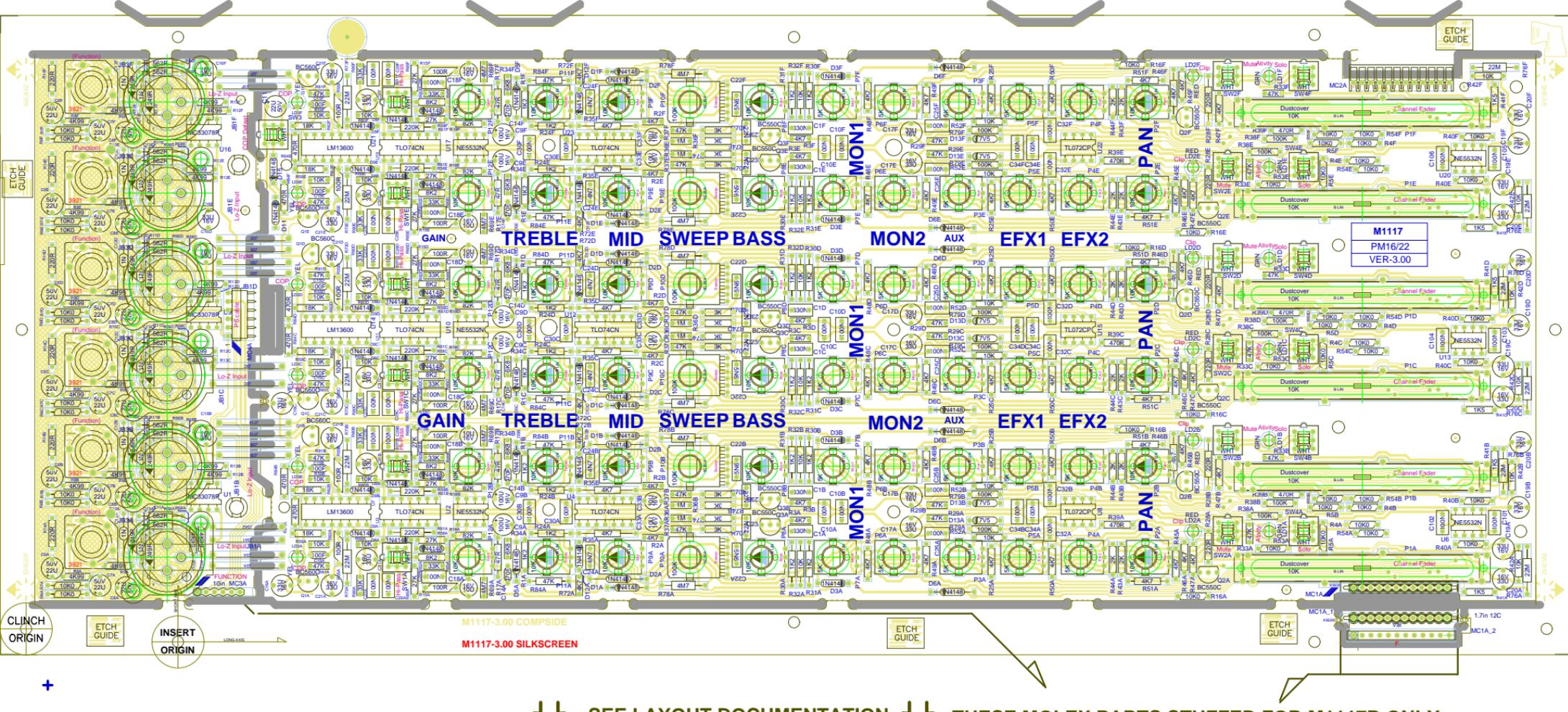


Product Mono Channels

PM16/22 PCB# M1117 Sheet 6 of 7

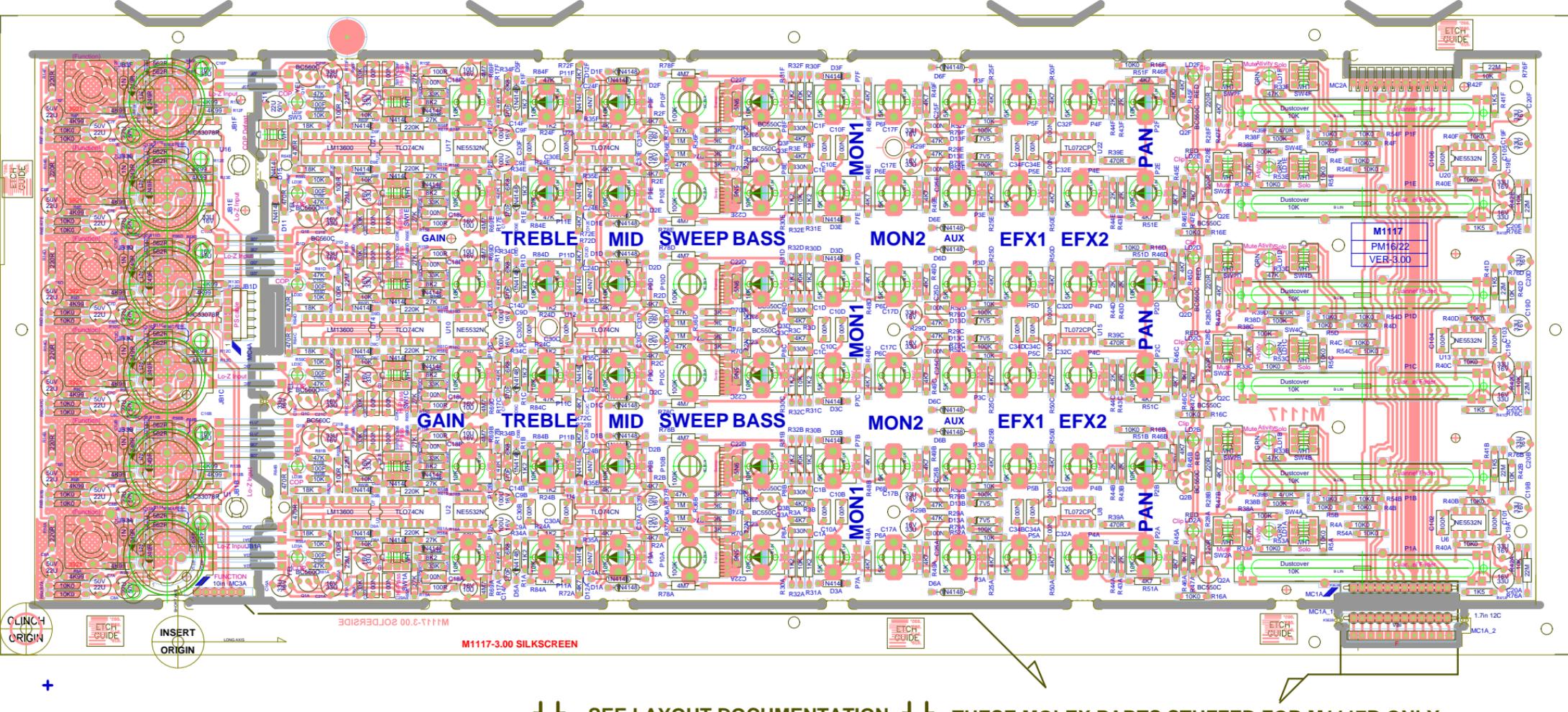
Date: Thu May 02, 2002 Rev: 1.20

Filename: m1117-1V2.sch2001



SEE LAYOUT DOCUMENTATION

THESE MOLEX PARTS STUFFED FOR M1117B ONLY





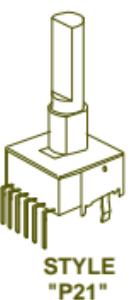
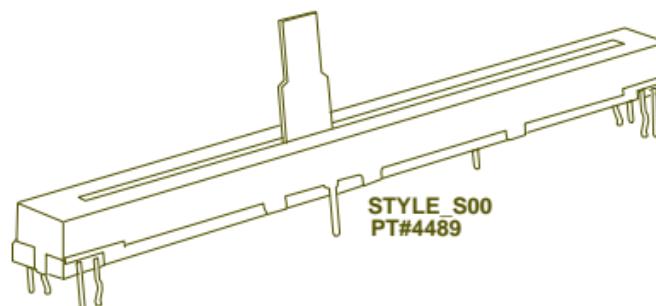
[SEE LAYOUT DIAGRAM](#)

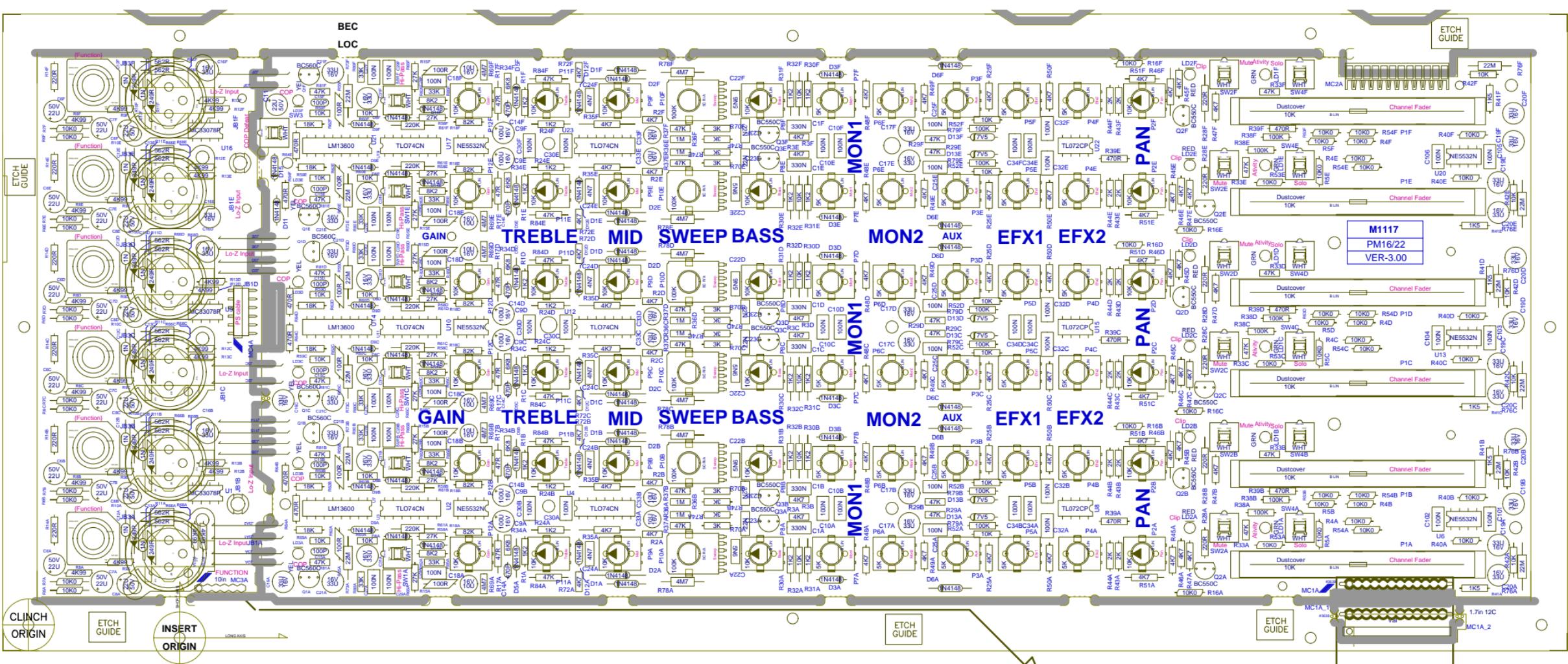


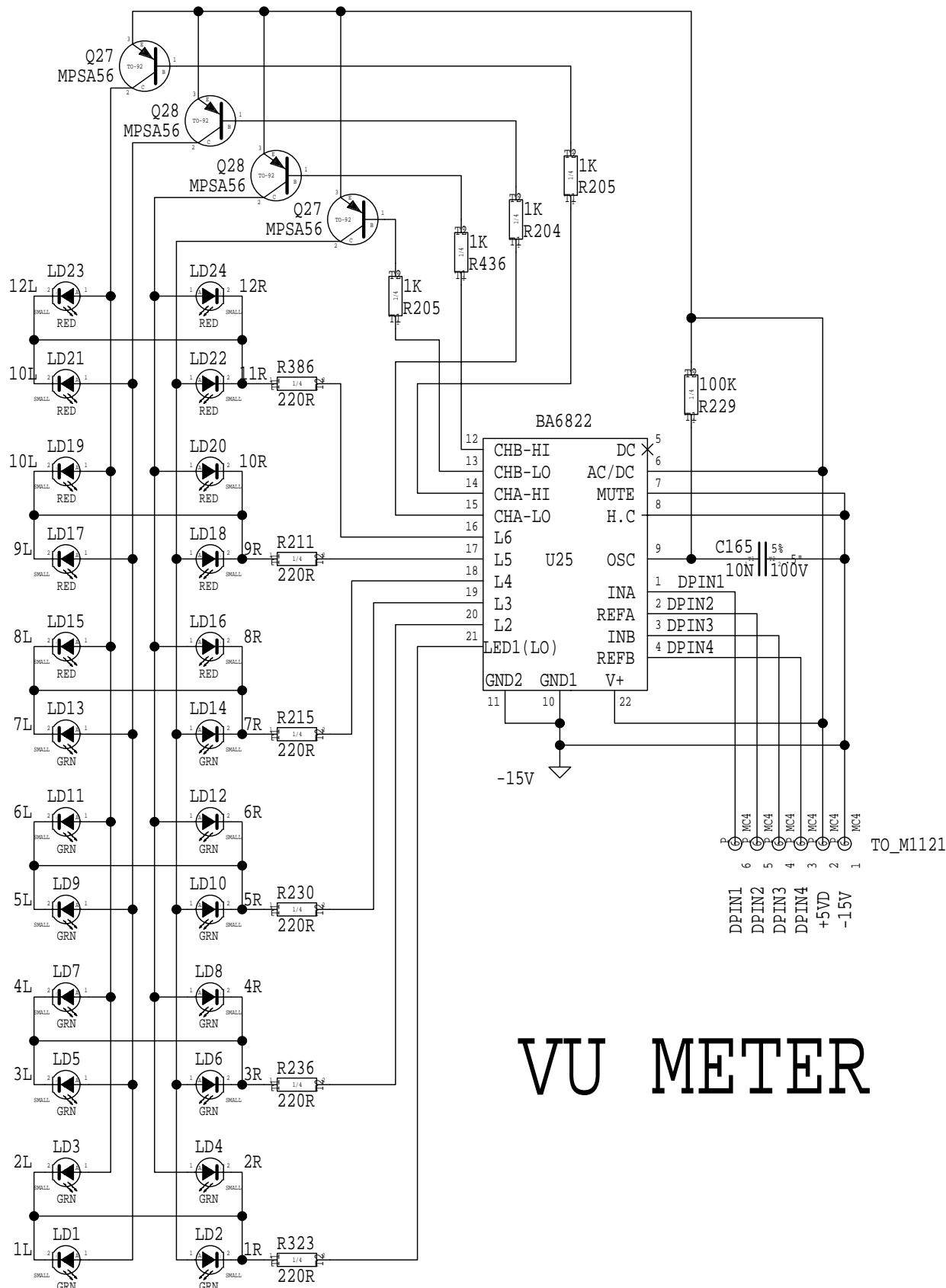
M1117.PCB DATABASE HISTORY			
MODEL(S):- MODEL			
#	DATE	VER#	DESCRIPTION OF CHANGE
1	Sept 28,2000	1.00P1	First production run
2	Dec 1, 2000	2.00	Moved copper pours away from board edge
3			Moved traces away from fader mtg legs.
4			Moved ps traces away from board edge
5			Removed component side pad from pot legs
6			Swapped top pins of sweep control on ch's 1,3,5
7			Add copy to draw solder from dual pot legs
8	Jan 18, 2001	2.10	Moved legend for R64E and F to correct locations.
9	NOV 26 2001		PC#6473 C22A-F 6N8 TO 5N6 C23A-F 47N TO 22N
10			R70A-F 1K2 TO 3K
11	MAY 02,2002	2.20	PC#6536 R74A-F 1K2 TO 3K
12	Nov 13, 2002	3.00	#3921 jacks to slotted holes
13	D	V	N
14	D	V	N
15	D	V	N
16	D	V	N
17	D	V	N
18	D	V	N
19	D	V	N
20	D	V	N
21	D	V	N
22	D	V	N
23	D	V	N

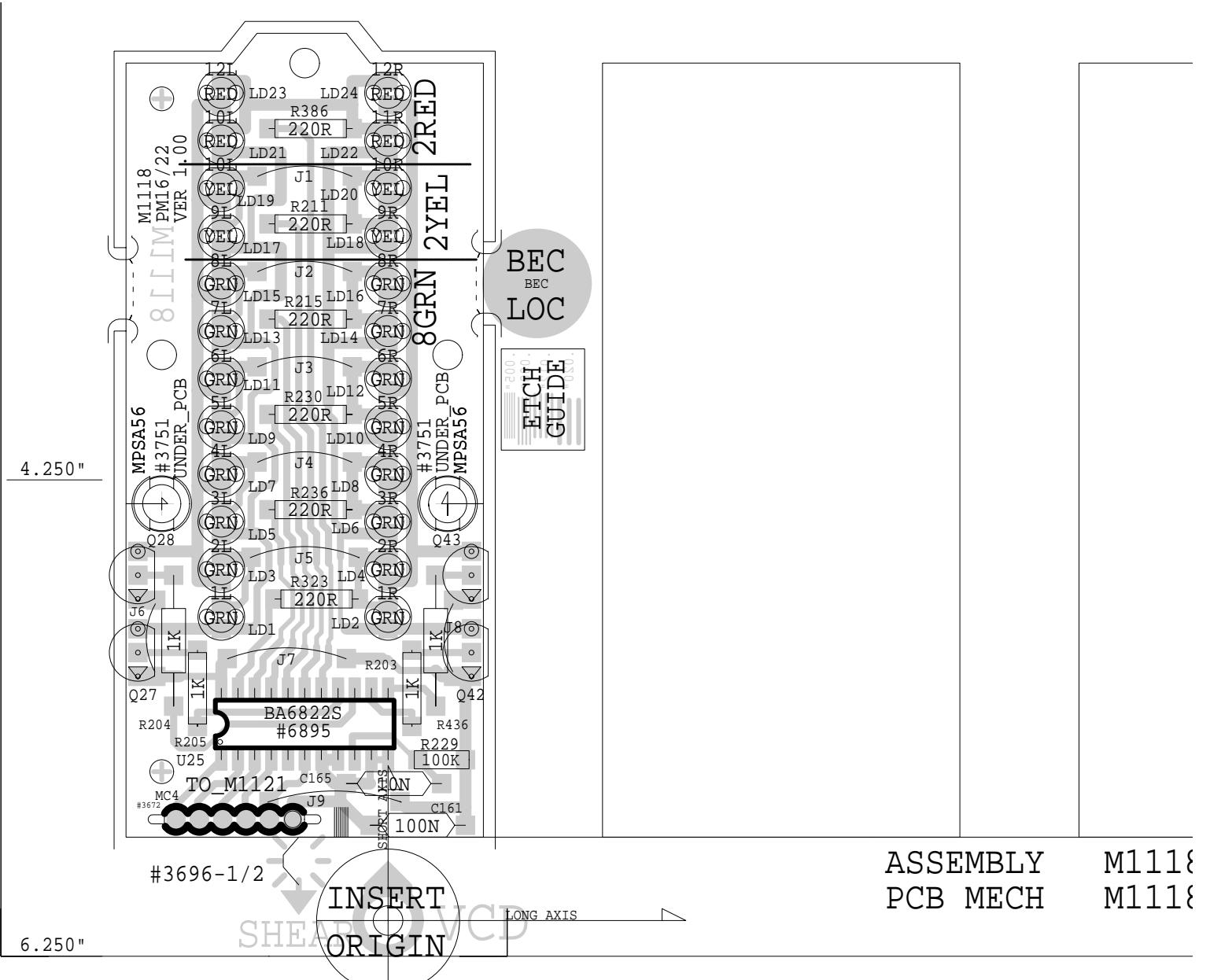
M1120.PCB_POT_LIST				
MODEL(S):- MODEL				
REF	FUNCTION	PART#	KNOB	AS_OF
P12A-F	GAIN	#4566	#0392	JAN2000
P11A-F	HIGH	#4537	#0393	-
P9A-F	MID	#4537	#0393	-
P10A-F	SWEETP	#4385	#0393	-
P8A-F	LOW	#4537	#0393	-
P7A-F	MOM1	#4384	#0394	-
P6A-F	MOM2	#4384	#0394	-
P3A-F	AUX	#4384	#0395	-
P5A-F	EFX1	#4384	#0395	-
P4A-F	EFX2	#4384	#0395	-
P2A-F	PAN	#4537	#0392	-
P1A-F	VOLUME	#4490	#0380	-

PRODUCTION NOTES









ASSEMBLY
PCB MECH

M1118
M1118

PRODUCTION NOTES

- 1) USE JIG TO HOLD LED'S BEFORE TRIMMING
- 2) AFTER TEST, INSERT TWO #3751 SPACERS UNDER PCB.
- 3) BEND TRANSISTORS OVER PCB EDGE AFTER FINISHING
- 4)

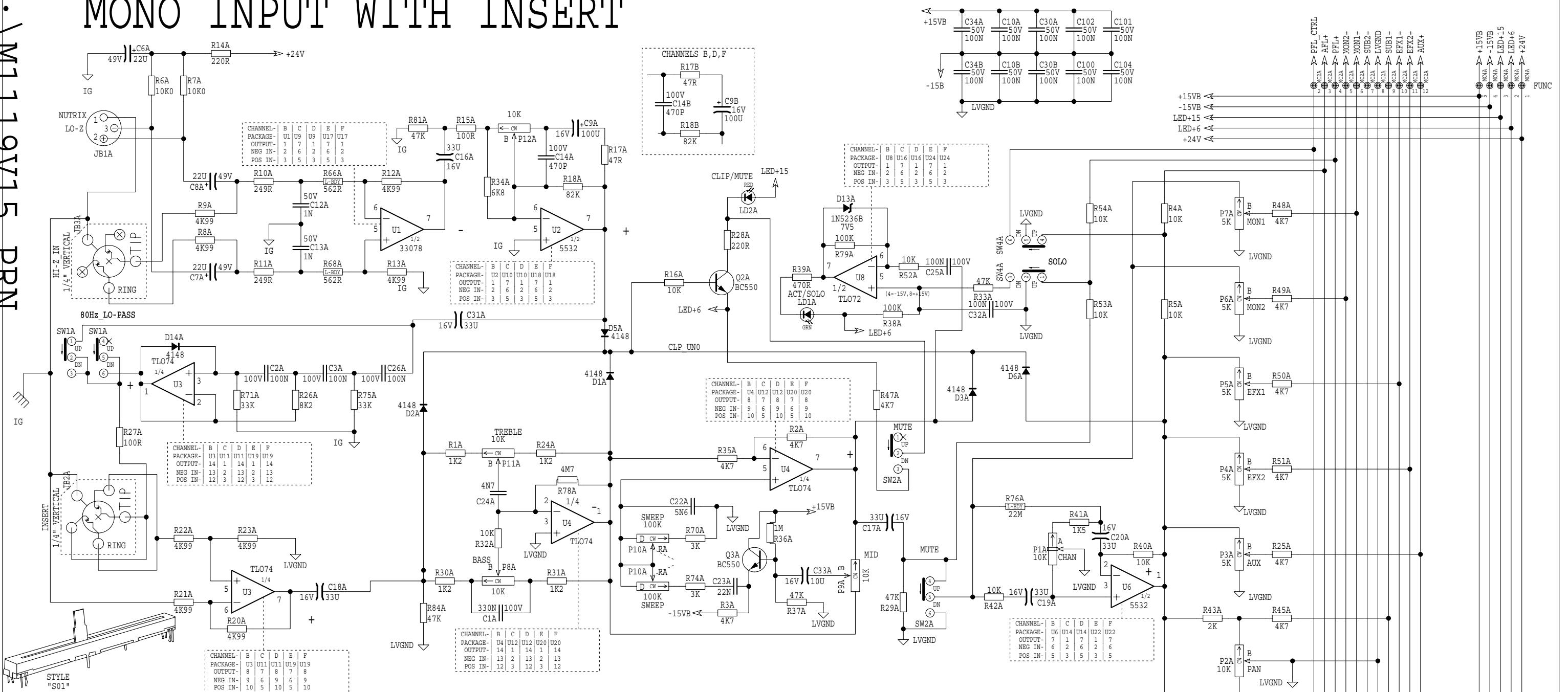
M1118.PCB_DATABASE_HISTORY

MODEL(S) :- PM16/22

#	DATE	VER#	DESCRIPTION OF CHANGE
1	MAY/21/98	1.0P1	SECOND_PROTOYPE
2	D	V	N
3	D	V	N
		V	N

MONO INPUT WITH INSERT

U:\M119V15.PRN

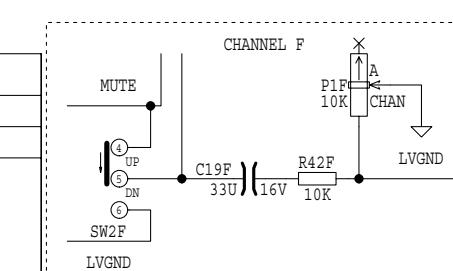


M1119.PCB POT LIST

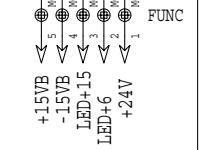
MODEL(S) :- PM16/22					
#	REF	FUNCTION	PART#	KNOB	AS OF
1	P12A	GAIN	#4566	#8392	JAN/2000
2	P11A	TREBLE	#4537	#8393	.
3	P9A	MID	#4537	#8393	.
4	P10A	SWEEP	#4585	#8393	.
5	P8A	BASS	#4537	#8393	.
6	P7A	MON1	#4384	#8394	.
7	P6A	MON2	#4384	#8394	.
8	P3A	AUX	#4384	#8395	.
9	P5A	EFX1	#4384	#8395	.
10	P4A	EFX2	#4384	#8395	.
11	P2A	PAN	#4537	#8392	
12	P1A	VOLUME	#4489	#8680	

M1119.SCH DATABASE HISTORY

MODEL(S) :- PM16/PM22			
#	DATE	VER#	DESCRIPTION OF CHANGE
1	APR/15/99	1.20	PC#5899 C2A, C3A, C26A 180N->100N
2	.	.	R71A, R75A 18K->33K R81A, R84A 4K7->
3	.	3.	47K R26A 4K7->8K2 R37A 10K->47K
4	NOV/26/01	1.30	PC#6473 C22A 6N8->5N6 R70A_1K2->3K
5	MAY/02/02	1.40	PC#6536-R74A_1K2->3K
6	MAY/23/02	1.50	PC#6473_C23A_47N->22N
7	D	V	
8	D	V	
9	D	N	
10	D	V	



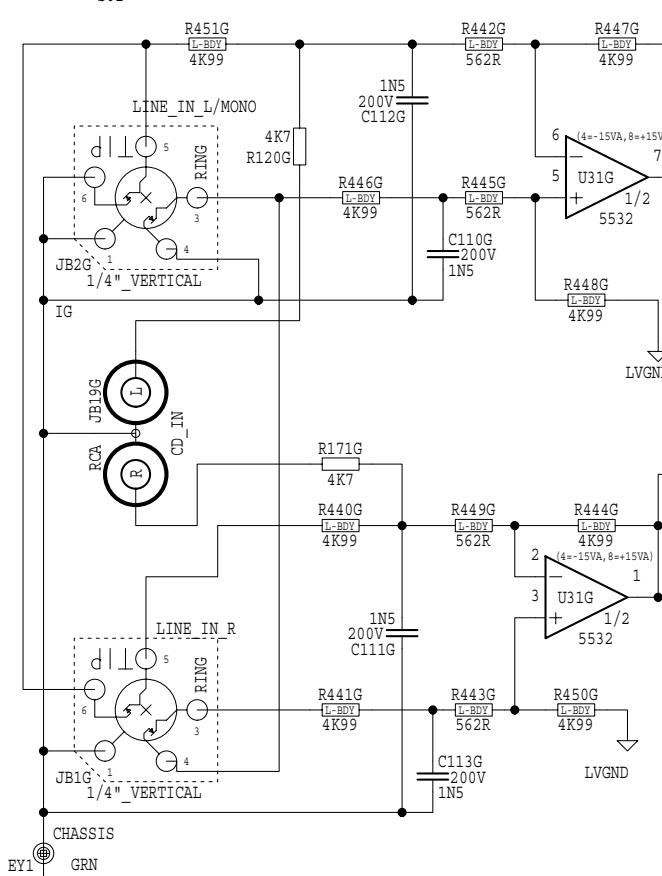
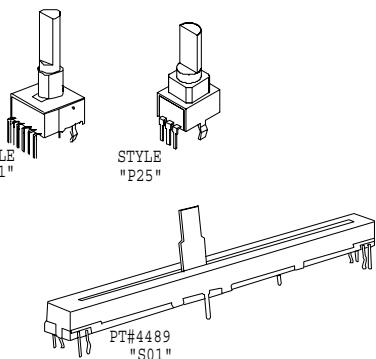
YORKVILLE	DATE: MAY/23/2002	MODELS: PM16/22	SHEET OF 1 SCH VERSION: 1.50
		NAME: M1119.SCH	PCB#&VER: M1119-1.00



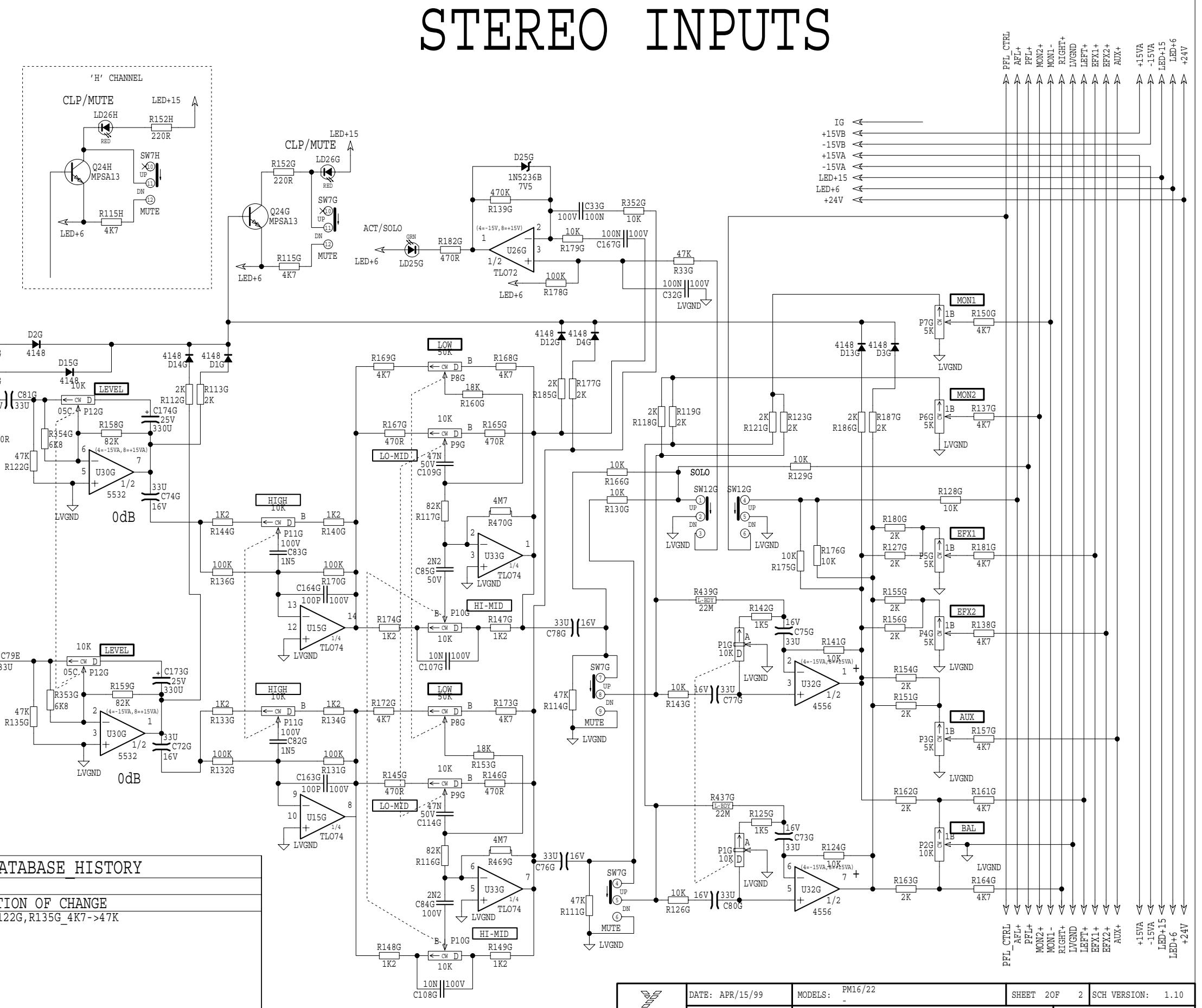
STYLE "P25"

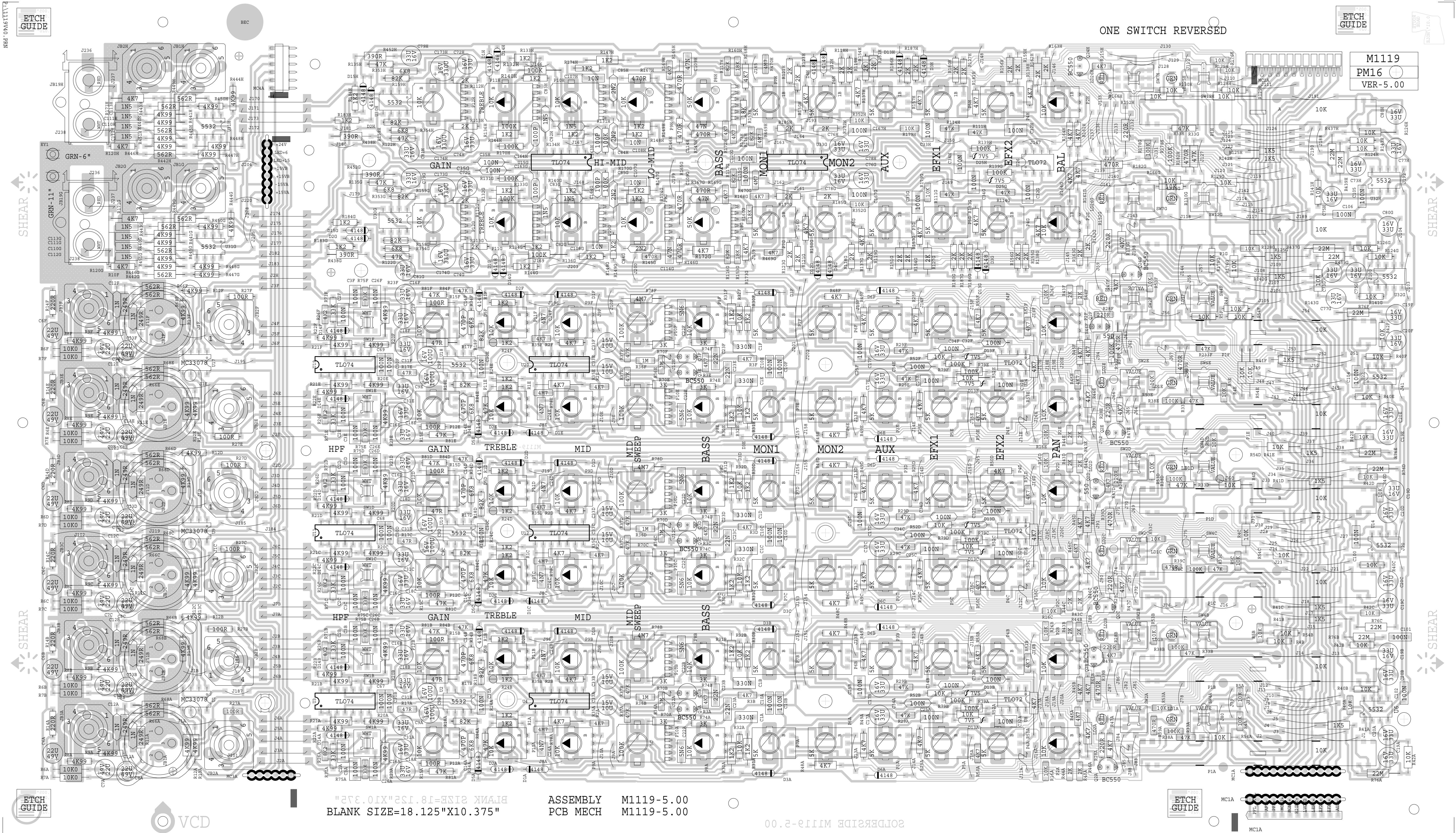
FUNCTION

M1119.PCB POT LIST				
#	REF	FUNCTION	PART#	KNOB
1	P12G	GAIN	P21	#4569
2	P11G	HIGH	P21	#4562
3	P9G	HI-MID	P21	#4562
4	P10G	LO-MID	P21	#4562
5	P8G	LOW	P21	#4545
6	P7G	MON1	P25	#4384
7	P6G	MON2	P25	#4384
8	P3G	AUX	P25	#4384
9	P5G	EFX1	P25	#4384
10	P4G	EFX2	P25	#4384
11	P2G	BALANCE	P25	#4537
12	P1G	VOLUME	S01	#4489
				#8392
				#8393
				.
				.
				.
				.
				.
				.



M1119.SCH DATABASE HISTORY			
#	DATE	VER#	DESCRIPTION OF CHANGE
1	APR/15/99	1.10	PC#5899_R122G,R135G_4K7->47K
2	D	V	N
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





ASSEMBLY M1119-5.00
PCB MECH M1119-5.00

SOLDERSIDE M1119-2.00

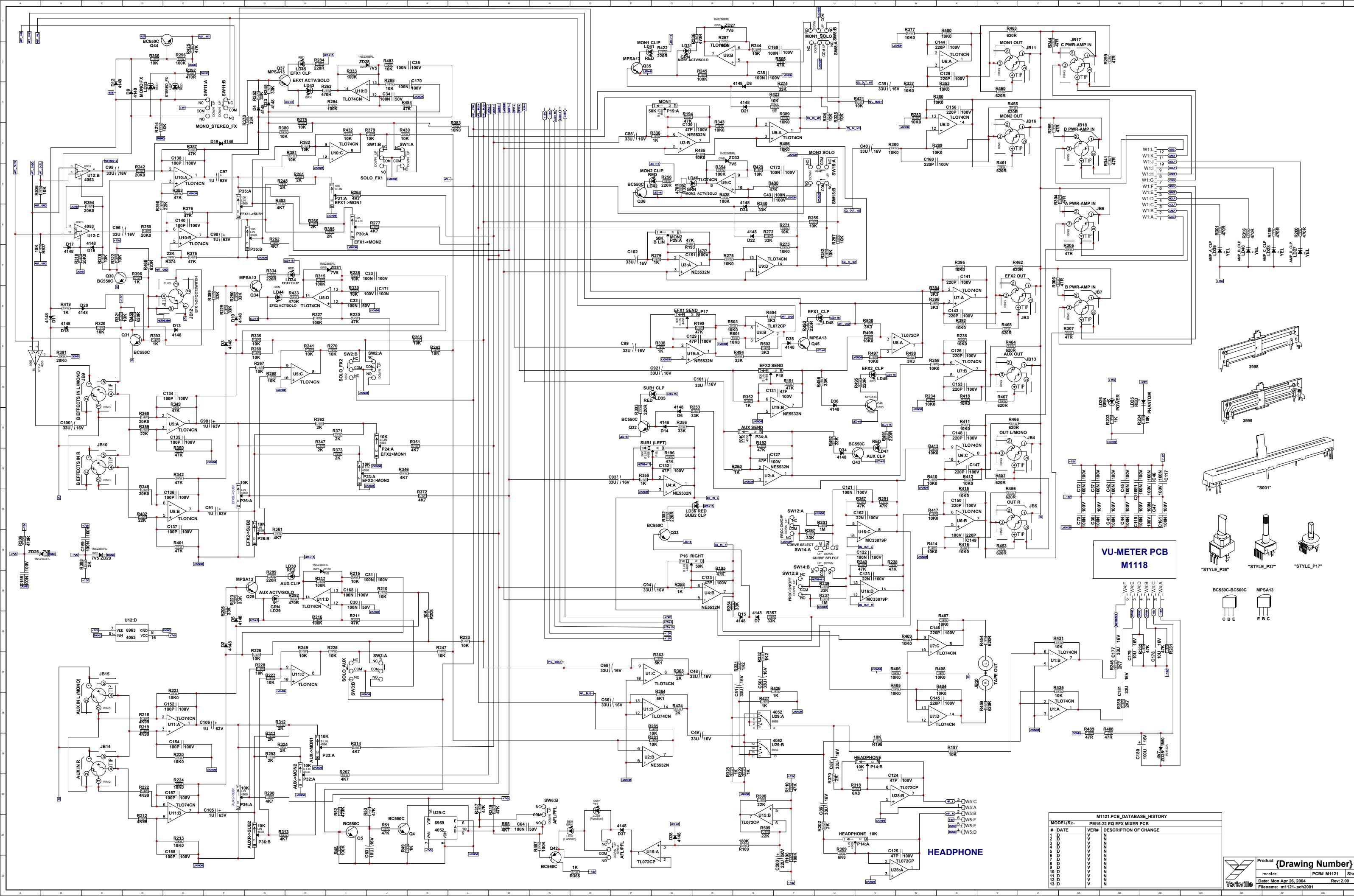
PRODUCTION NOTES

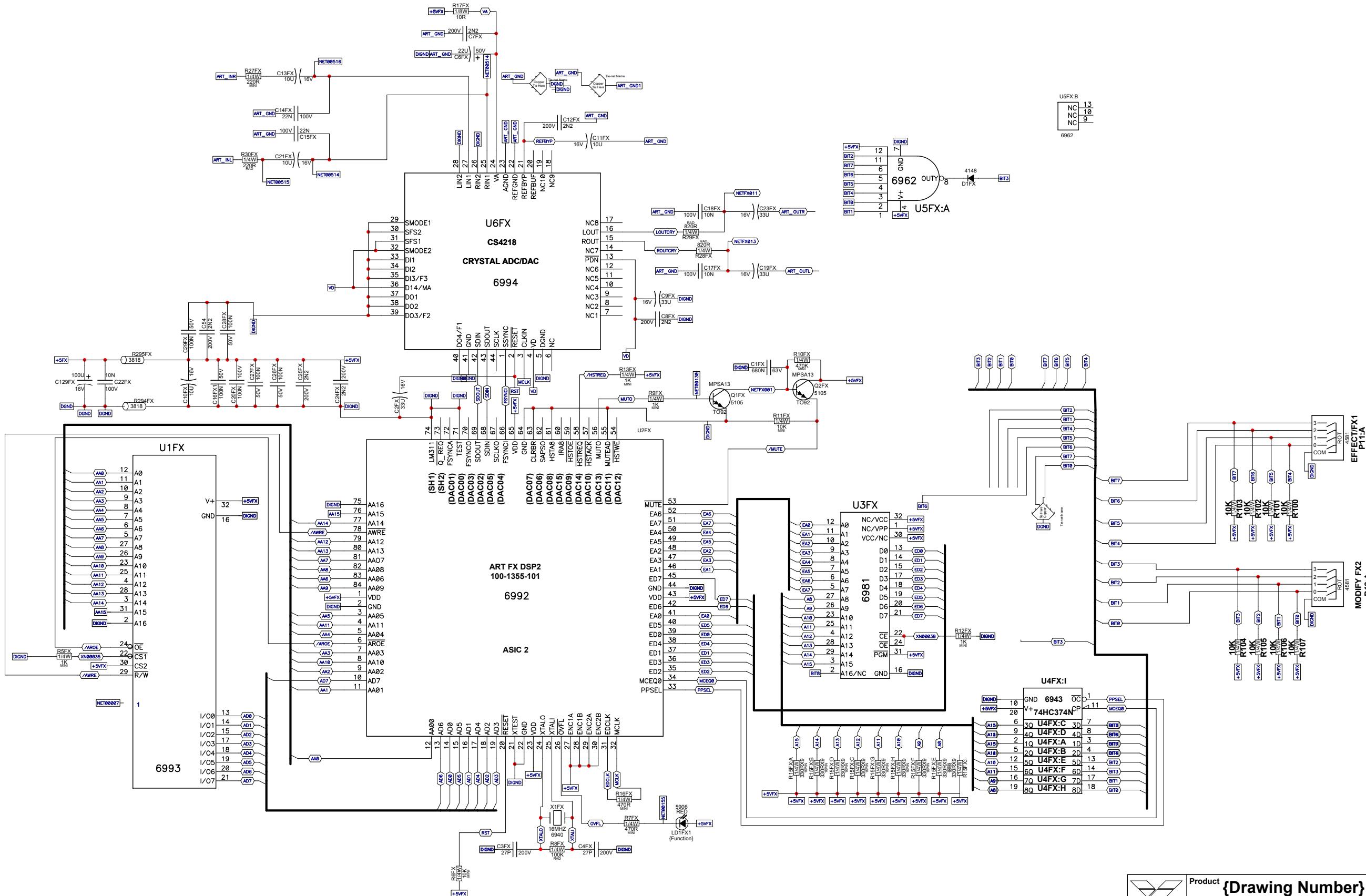
- 1) NOTE THAT THE LAST MUTE SWITCH IS OPPOSITE TO ALL THE OTHERS. (SW7H)

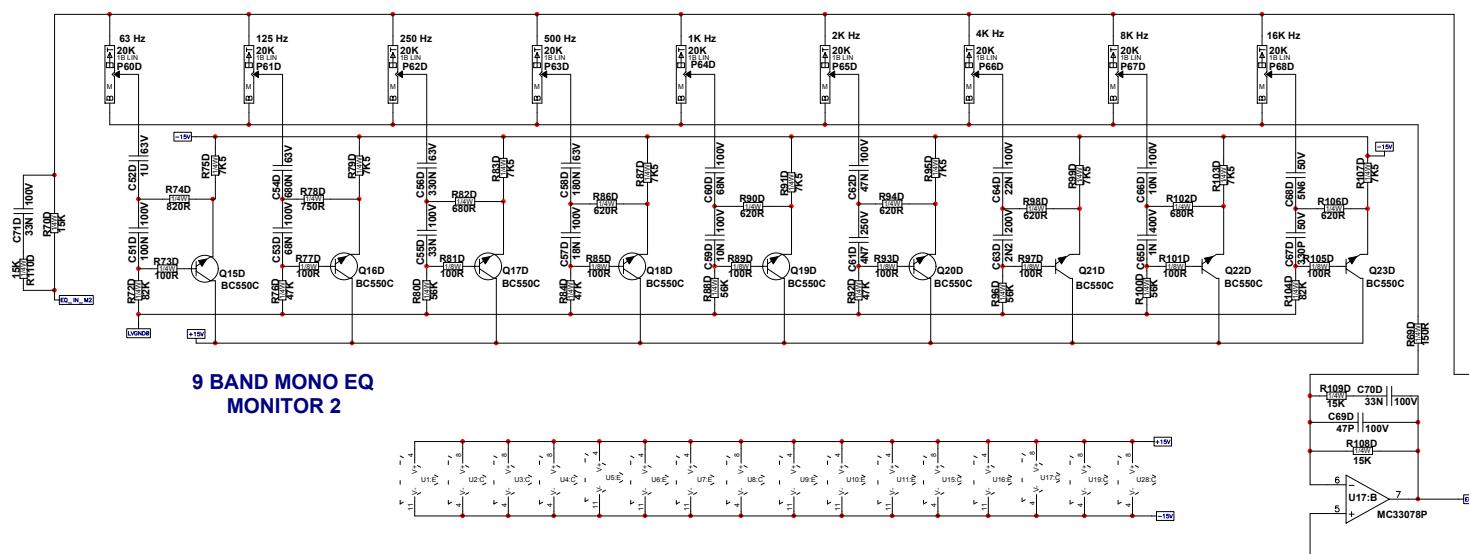
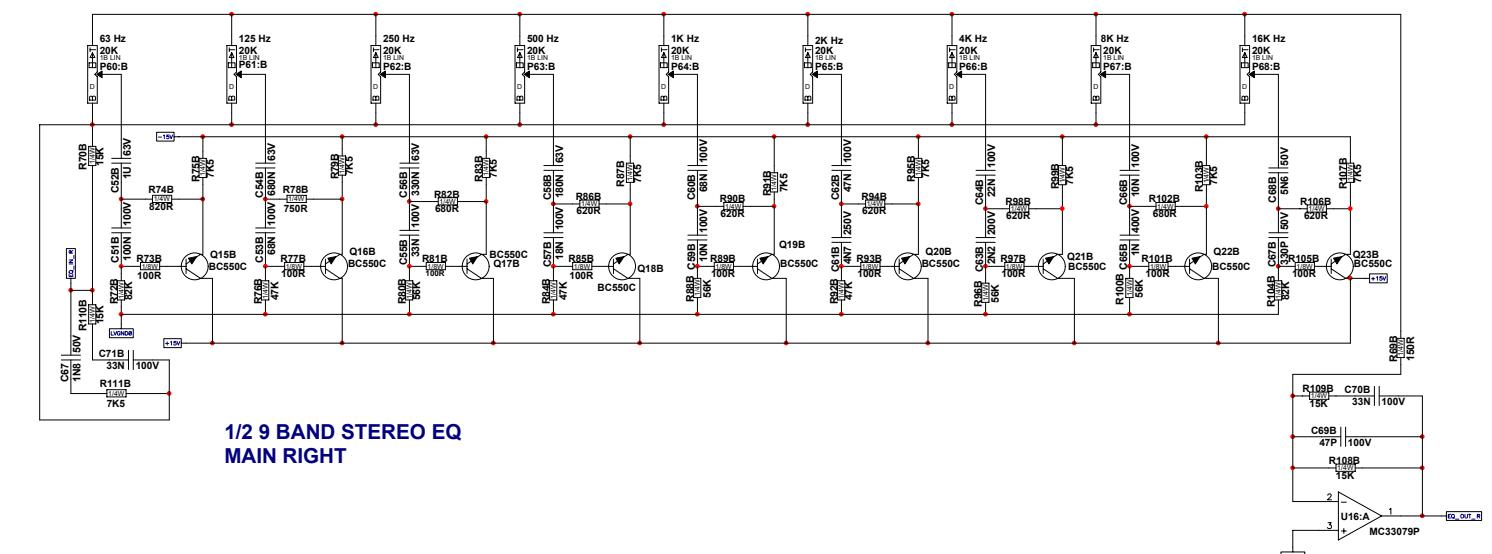
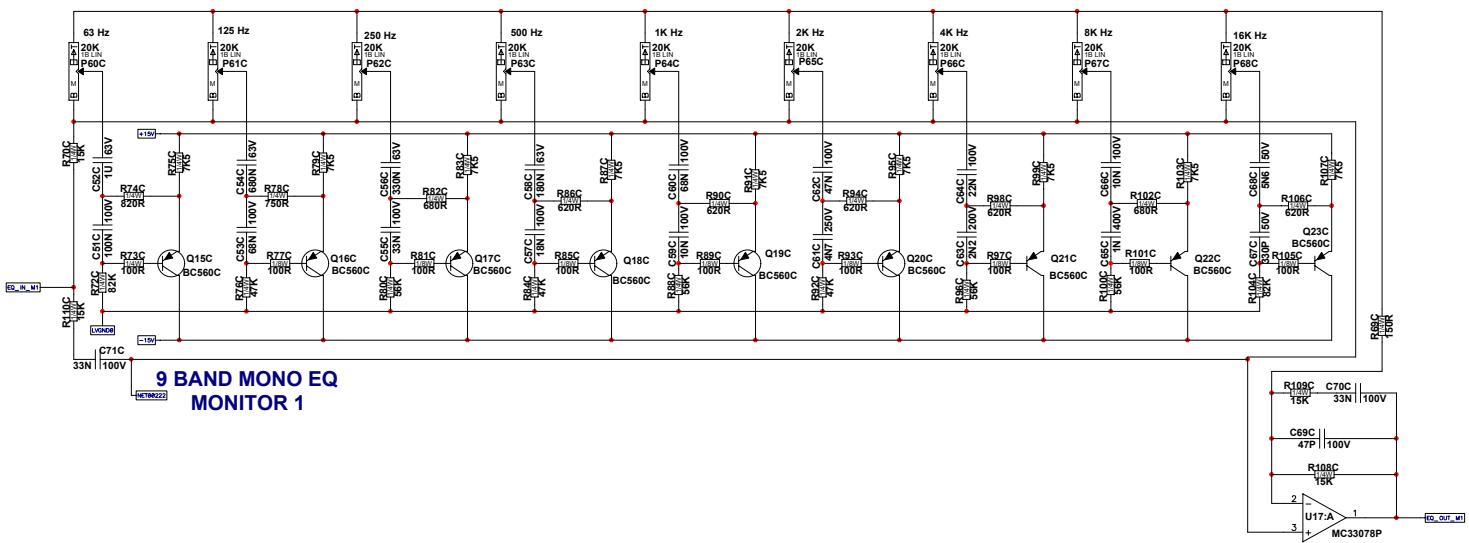
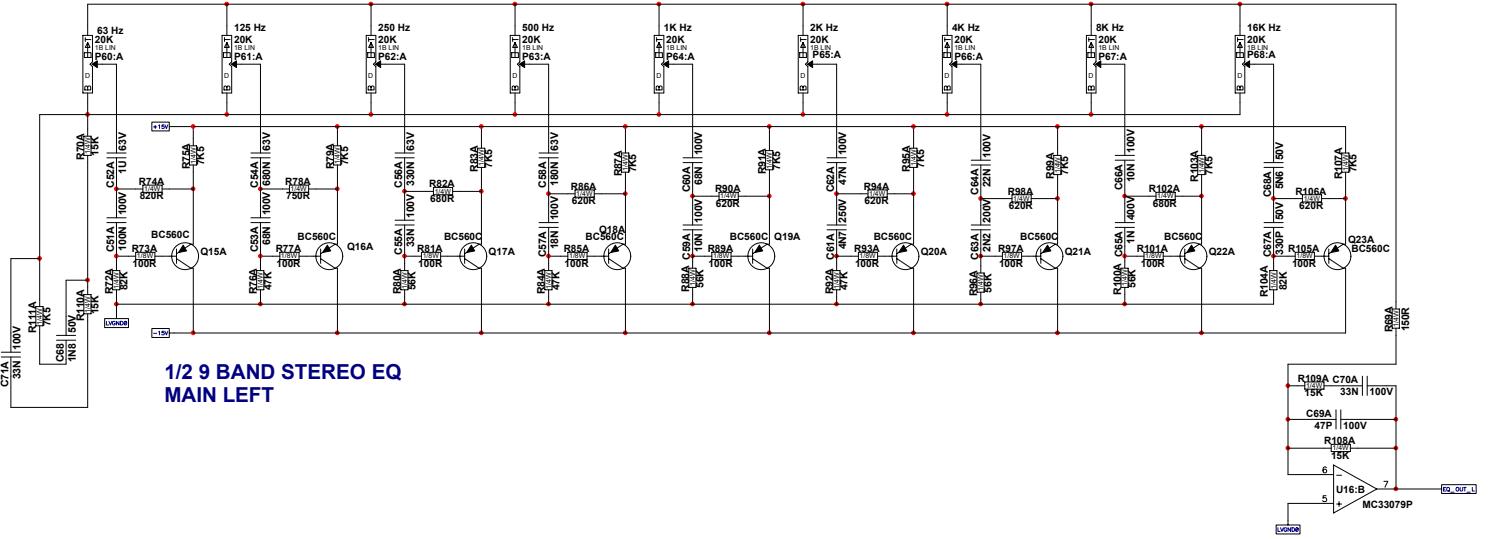
M1119 PCB DATABASE HISTORY

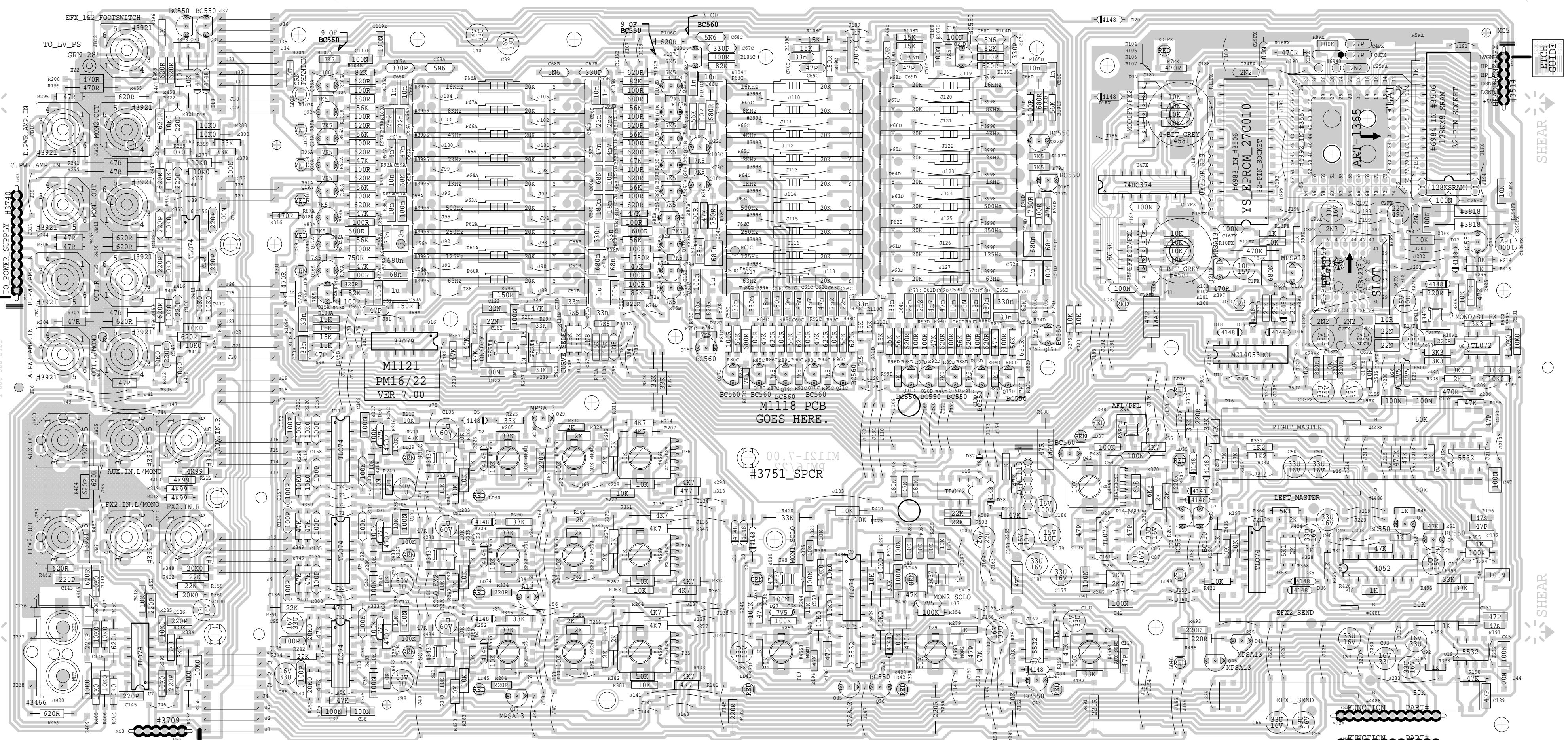
MODEL(S) :- PM16/22			
#	DATE	VER#	DESCRIPTION OF CHANGE
1	06/APR/98	1.0P0	FIRST PROTOTYPE
2	27/MAY/98	1.0P1	MMOVED_XLR'S .025" AWAY FROM 1/4"
3	1/JUN/98		SECOND PROTOTYPE
4	18/NOV/98	1.10	CHG C33A-F FROM 220N TO 33U/16V
5	04/DEC/98	1.20	ENLARGED SOME PADS, FILL_IN_BETWEEN PADS THAT ARE CLOSE
6	17/DEC/98		MOVED R78F AWAY FROM POT (J200 MOVED ALSO)
7	10/FEB/99	2.00	ROTATE LEDS FOR AUTO INSERT
8			MOVED PARTS TO ELIMINATE SHORTS
9	11/FEB/99	2.01	ADDED C67, 8.79 FOR RF_SUPPRESSION
10	2/MAR/99		FIXED SHORT@LD26H
11	15/APR/99	2.10	PC#5899_R122G,H,R135G,H_4K7->47K_ALL A,B,C,D,E,F
12			R71,R75 18K->33K R81,R84 4K7->47K R26 4K7->8K2 R37 10K->47K C2,C3,C26 180N->100N
13	18/MAY/00		PC#64244 RCA-JK HOLE SIZE 070"->059"
14	20/NOV/00		PC#6473_C22A-F-6N8->5N6_R70A-F_1K2
15			-33K
16	21/APR/02	3.00	UPDATE #3921 JACKS
17	22/MAY/02	3.10	PC#6536 R74A-F 1K2->3K
18	23/MAY/02	3.20	PC#6473_C23A-F_47N->22N

#	DATE	VER#	DESCRIPTION OF CHANGE
24	APR/04/03	4.00	UPDATE ARTWORK
25	OCT/13/05	5.00	ADD TARGETS
26			
27			
28			
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50	D		









TO M1119
M1121.PCB_DATABASE_HISTORY

MODEL(S) :- PM16/22			
#	DATE	VER#	DESCRIPTION OF CHANGE
1	21/MAY/98	1.0P0	FIRST_PROTOYPE
2	21/AUG/98	1.00	MOVED_PFLCTRL_POP, ADDED_SOLO_FLASH
3	OCT/09/98	1.01	CHANGED_XTAL&J194, FIXED_SHORTS
4	16/NOV/98	2.00	\$FFFF_PULLDOWN DIODE_TO_BT3
5	03/FEB/99	.	FLIPPED_PROCESSOR_SWITCHES
6	.	.	ROTATED_LEDS_TO_ALLOW_AUTO_INS
7	.	.	MOVED SOME JUMPERS TO STOP_SHORTS
8	15/FEB/99	.	R304->7, R341, R344, R295, R299
9	23/FEB/99	2.01	4K99->47R
10	1/MAR/99	2.10	R424, R368 1K2->2K
11	OCT/22/99	2.10	FIXED_SHORT@LD30
12	OCT/16/00	2.20	PC#6144_R204_1K->10K
13	DEC/05/01	3.00	PC#6292_R16FX_620R->470R_DEL_C5FX
14	APR/24/02	4.00	PC#6487_RELATEC C143
15	OCT/04/02	5.00	MOVE_TRACES_TO_ELIMINATE_SHORT
16	NOV/30/04	6.00	MOVE_C66B_TO_ELIMINATE_SHORT
17	OCT/13/05	7.00	PC#6775_MOVE_TRACES_AWAY_FROM_PADS_IN_EQ_SECTION_CAUSING_SHORTS
18			ADD TARGETS

M----.PCB_POT_LIST

MODEL(S) :- PM16/22

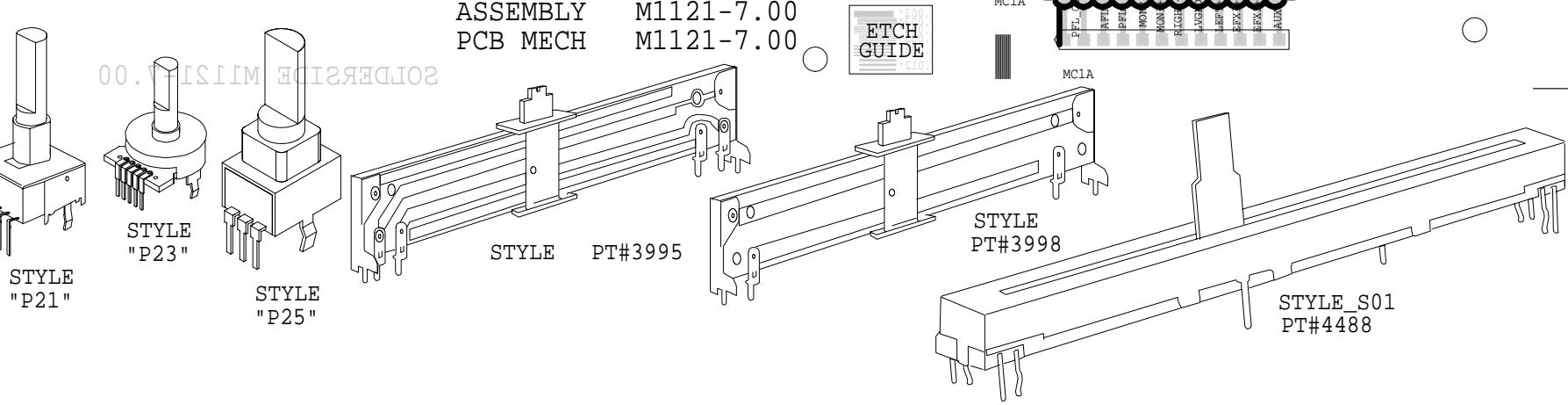
REF	FUNCTION	PART#	KNOB	AS OF
P60-68C/D_EQ	MON1	#3998	NO_KNOB	JAN/2000
P60-68A_EQ	MON2	#3995	NO_KNOB	.
P31	EFX1-MON1	#4566	#8394	.
P30	EFX1-MON2	#4566	#8394	.
P35	EFX1-L-R	#4569	#8392	.
P24	EFX2-MON1	#4566	#8394	.
P23	EFX2-MON2	#4566	#8394	.
P26	EFX2-L-R	#4569	#8392	.
P33	AUX-MON1	#4566	#8394	.
P32	AUX-MON2	#4566	#8394	.
P36	AUX_L-R	#4569	#8392	.
P19	MON1	#4568	#8394	.

M1121.PCB_POT_LIST

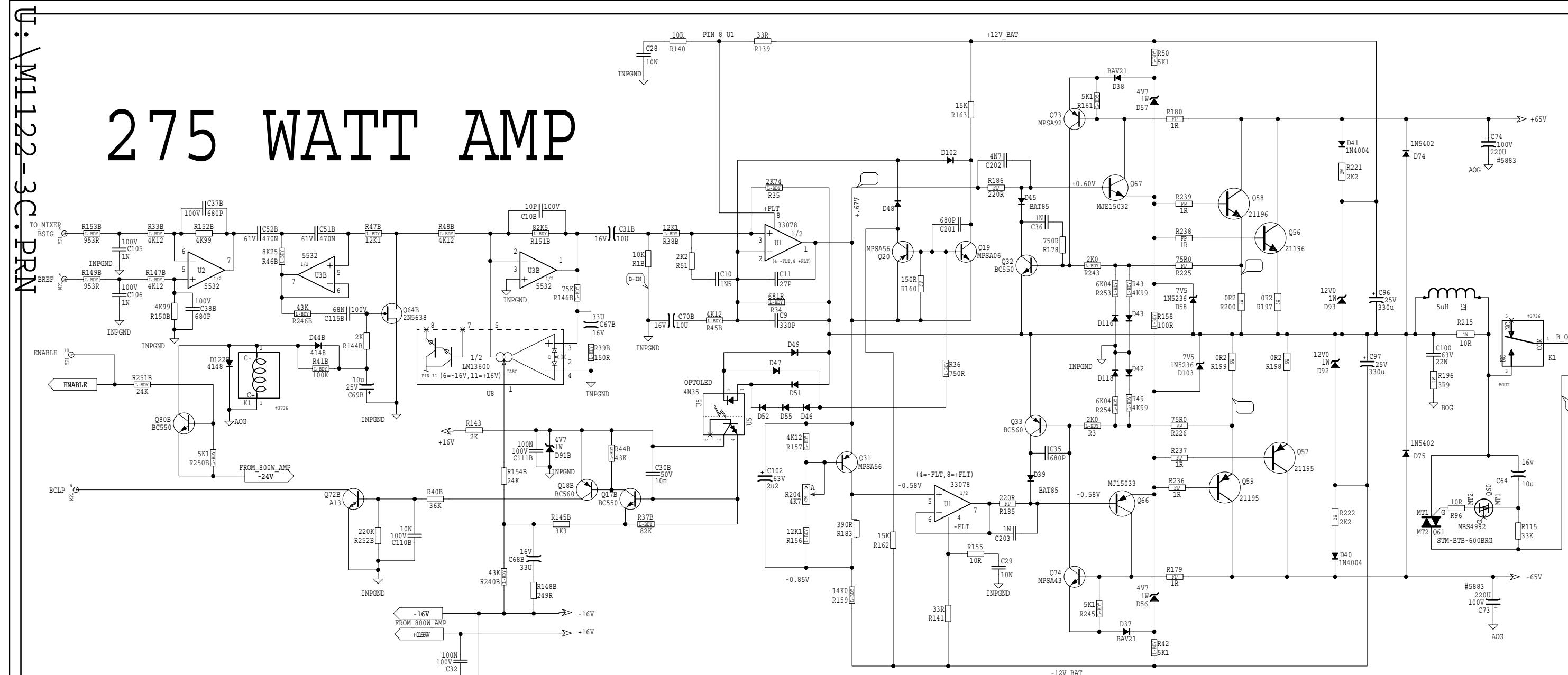
MODEL(S) :- PM-16/22

REF	FUNCTION	PART#	KNOB	AS OF
P29	MON2	#4568	#8394	JAN/2000
P34	AUX-SEND	#4568	#8395	.
P17	EFX1-SEND	#4488	#8680	.
P18	EFX2-SEND	#4488	#8680	.
P15	LEFT_MASTER	#4488	#8680	.
P16	RIGHT_MASTER	#4488	#8680	.
P11	SELECT	#4581	#8397	.
P14	HEADPHONE	#4569	#8392	.
R	F	P	K	.
R	F	P	K	.

ASSEMBLY
PCB MECH M1121-7.00 M1121-7.00

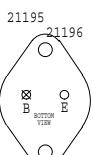


275 WATT AMP



NOTES:

1. ADJUST R204 FOR 3.5MV +/- 0.5 BIAS ACROSS R199 AND R200 COLD.
2. Q31 IS THERMALLY COUPLED TO HEAT SINK
3. TEST POINT
4. Reference with a "B" suffix will have an "A" suffix for the main amplifier.
5. ALL UNMARKED DIODES IN4148



21196

MJE15032



21195



21196



BC550C



BC560C



MPSA6



MPSA3



2N5638



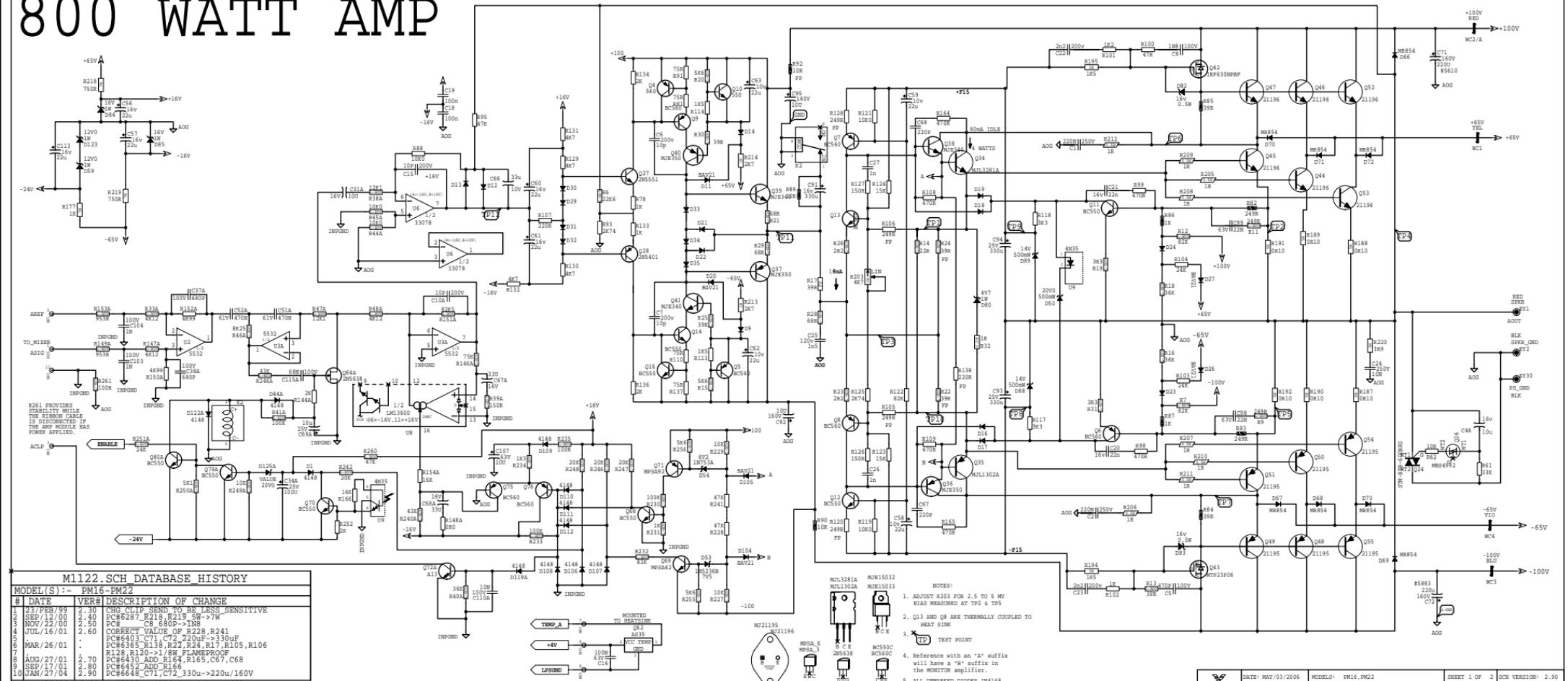
BC550



BC560

M1122-3C.SCH DATABASE HISTORY			
MODEL(S) :-	PM16/22	VER#	DESCRIPTION OF CHANGE
1	23/FEB/99	2.10	CHG CLIP SEND TO BE LESS SENSITIVE
2	NOV/27/00	2.20	PC#6308_DEL_C200/100N_PIN6_U5->PIN_
3		4	PC#6483 ADD R51,C10 AT U1
4	DEC/06/01	2.30	PC#6621_Q73-MPSA93->MPSA92
5	SEP/08/2003	2.40	PC#6621_Q73-MPSA93->MPSA92
6	APR/24/06	2.50	PC#7007 MAC-224-4 TO STM-BTB-600BRG
7	D	V	N
8	D	V	N
9	D	V	N
10	D	V	N

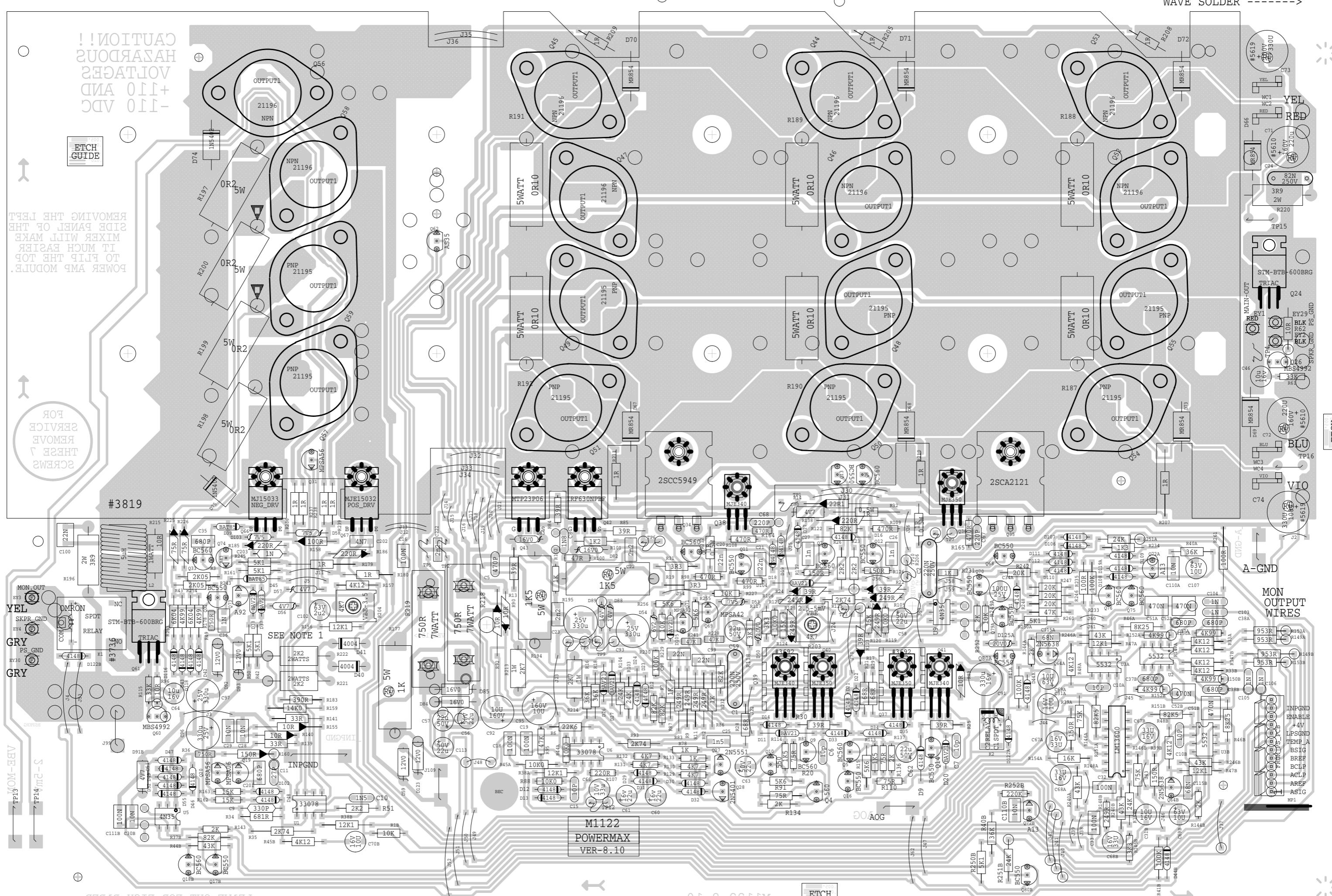
800 WATT AMP



M1122.SCH DATABASE HISTORY

MODEL(S) :- PM16.PM22		
# DATE	VER#	DESCRIPTION OF CHANGE
1 23/FEB/99	2.30	CHG CLIP SEND TO LESS SENSITIVE
2 NOV/22/00	2.30	SCH C6287, C1186 >7W
3 MAR/16/01	2.30	CORRECT VALUE OF R228, R241
4 JUL/16/01	2.30	PC#6423, CT1, CT2, C223, C330, C67, C68, R105, R106
5 MAR/26/01	2.30	R128, R120->1/8W FLAMEPROOF
6 AUG/27/01	2.30	R128, R122, R124, R105, R106
7 JAN/27/04	2.70	PC#66430, ADD R164, R165, C67, C68
8 MAR/27/04	2.70	PC#66430, ADD R164, R165, C67, C68
9 MAY/03/06	3.00	PC#7007 MAC124-A->SIM-R18-R401B90
		PC#7083_MTP101N1L5->>IRF630NPBF

- NOTES:
1. ADJUST R203 FOR 2.5 TO 5 MV RIAS MEASURED AT T72 & T75
 2. Q13 AND Q8 ARE THERMALLY COUPLED TO HEAT SINK
 3. TER POINT
 4. Reference with an 'A' suffix will have a 'B' suffix in the MONITOR amplifier.
 5. ALL UNMARKED DIODES IN4148



ASSEMBLY
PCB MECH M1122-8.10
M1122-8.10

SOLDERSIDE M1122-8.10

BLANK SIZE=17.000"X11.750"
SHEAR

TO220 MOUNTING

M1122.PCB_DATABASE_HISTORY			
MODEL(S) :-	MODEL	#	DATE
#	DATE	VER#	DESCRIPTION OF CHANGE
1	10/NOV/98	2.00	FINAL VERSION FOR 1ST_RUN
2	17/NOV/98	2.10	CHG R32_TO_1/2W_1R
3	18/NOV/98	.	SWAP C464R61_C646R115
4	26/NOV/98	2.20	ADD_HOLE_FOR_SPREADER_TEST_POINT
5	30/NOV/98	.	ADD_VBE_TST_PTS_OUTSIDE_FAN_BOX
6	04/DEC/98	2.30	ADD_HOLES_FOR_VBE_TRIM_ACCESS
7	13/JAN/99	.	PUT C10A,B&C15_BACK_IN_10P
8	25/JAN/99	.	R129-910R->750R,R177-910R-->1K
9	23/FEB/99	.	FIX TRACES CUT BY TRIM_ACCESS HOLES
10	MAR/29/99	3.00	ADDED_RTV_HOLES_UNDER_HV_PS_CAPS
11	SEP/12/00	4.00	CHG_PEL_XTR_HOLES_TO_0.055"
12	OCT/17/00	5.00	CHG_CLIP_SENS_TO_BE_LESS_SENSITIVE
13	NOV/22/00	5.10	PC#5972_EXTRA_TRACE_ADDED_R177,R218
14	NOV/27/00	5.20	R219
15	MAR/26/01	5.30	PC#6287_R218,R219_5W->TYPE_CR-YA-7W
16	AUG/27/01	6.00	ADD_EYELETS_FOR_R218,R219
17	DEC/06/01	6.10	PC#6307_C8_680P->1N8
18			PC#6308_DEL_C200 @ U5
19			PC#6365_R138,R22,R24,R17,R105,R106,
20			R128,R120->1/8W_FLAMERPROOF
21			PC#6403_C71,C72,C73,C74_220uF->330u
22			PC#6430_ADD_R164,R165,C67,C68
23			PC#6483_ADD_C10_AND_R51_AT_U1

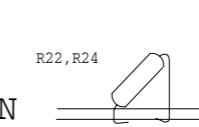
PRODUCTION NOTES

1) MOUNTING FOR R177, R194, R195

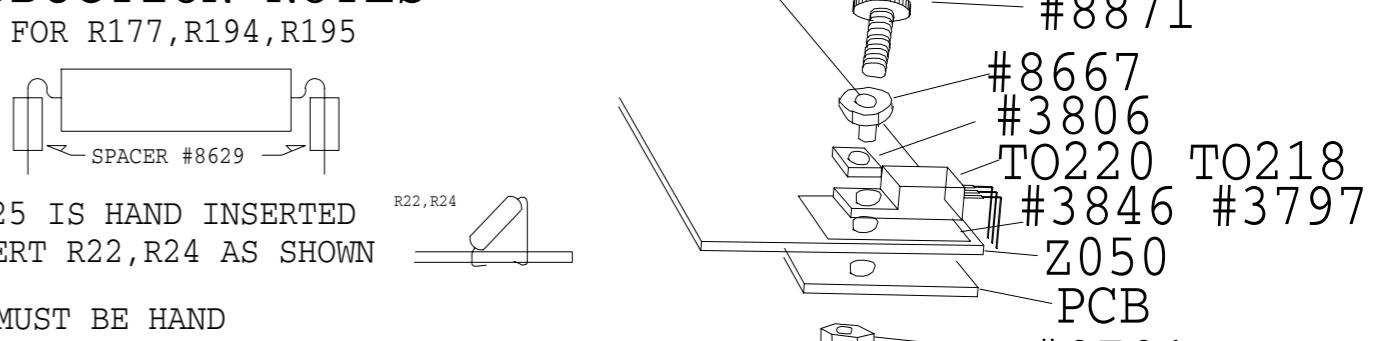


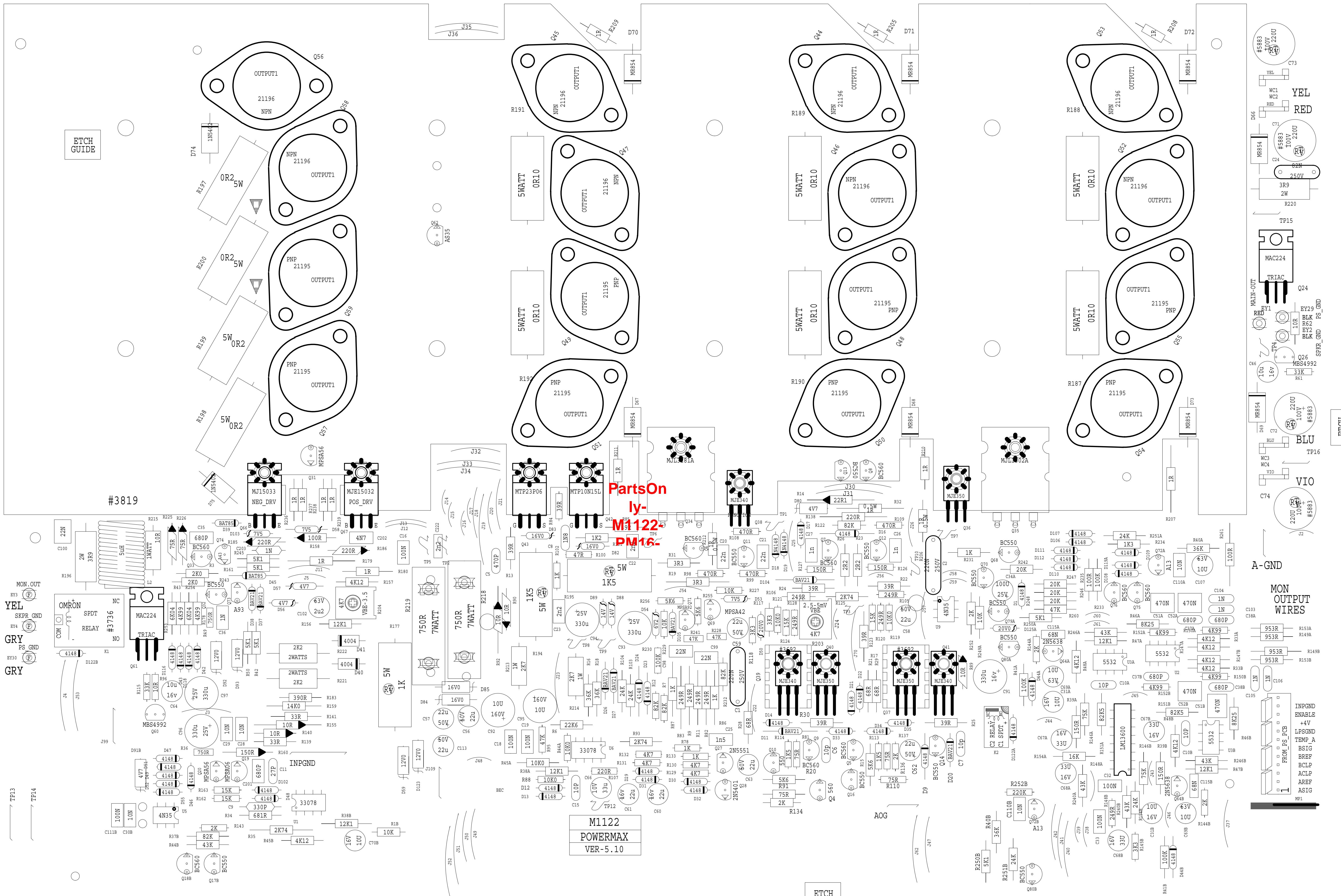
2) C8 PT#5425 IS HAND INSERTED

3) HAND INSERT R22, R24 AS SHOWN



4) C71, C72 MUST BE HAND
INSERTED AFTER
WAVE SOLDERING





ASSEMBLY
PCB MECH
M1122-5.10
M1122-5.10

BLANK SIZE=17.000"X11.750"

WAVE SOLDER

ETCH
GUIDE

SPKR_GND

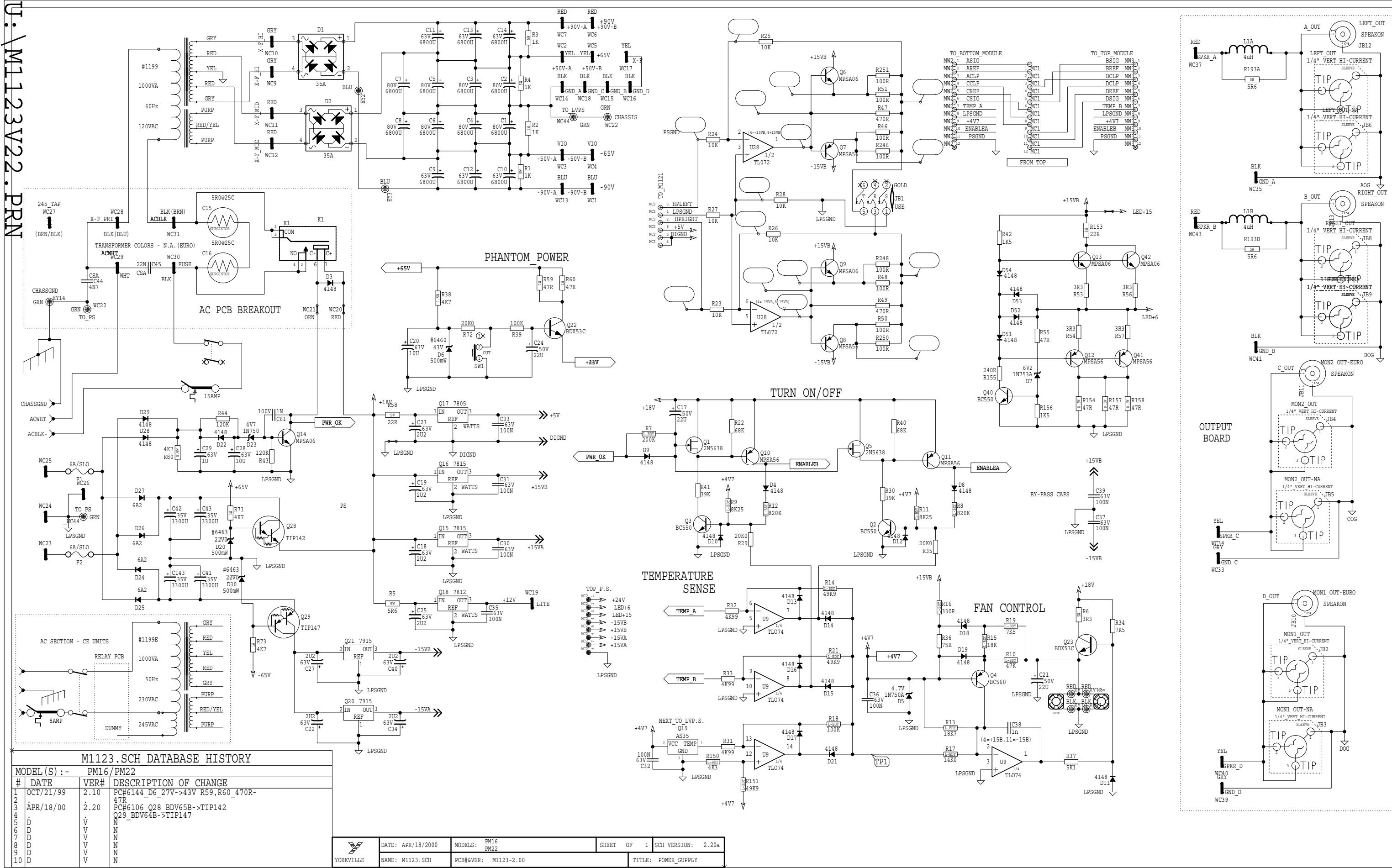
ETCH
GUIDE

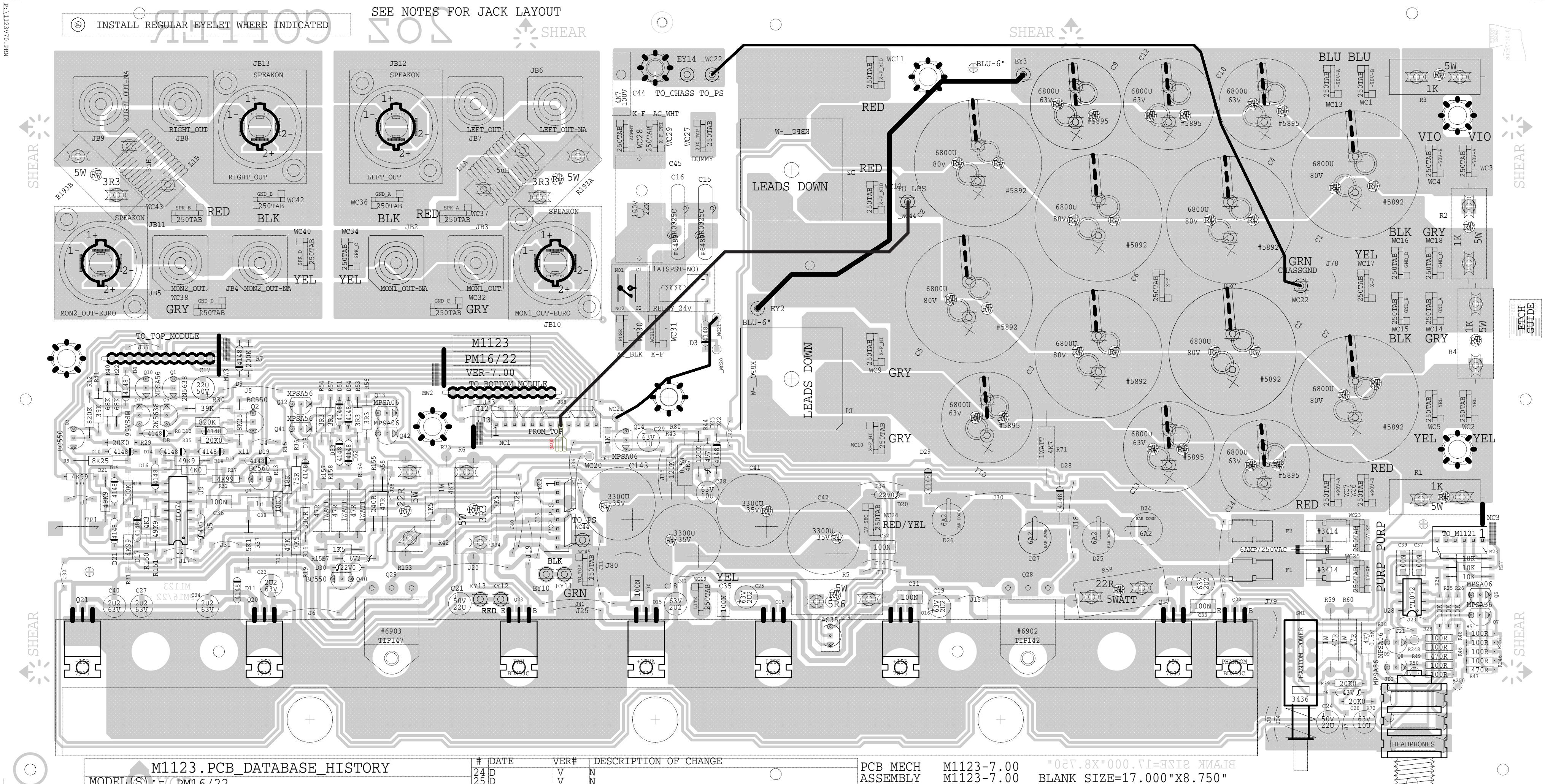
A-GND

MON
OUTPUT
WIRES

INPGND
ENABLE
+4V
LPSGND
TEMP_A
BSIG
BRPF
BCLP
ACLP
AREF
ASIG

M1





M1123.PCB_DATABASE_HISTORY

MODEL(S) : PM16/22

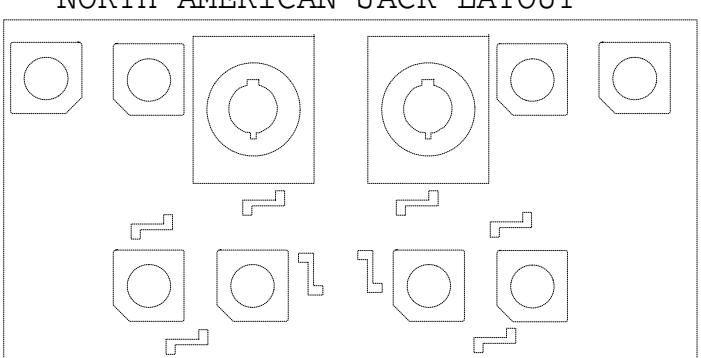
#	DATE	VER#	DESCRIPTION OF CHANGE
1	22/JUN/98	1.00	FIRST_PROTOYPE
2	JUL/17/98	1.0P1	MOVED_PHANTOM_SWITCH_OUT
3	.	.	FIXED_RADIAL_PARTS THAT HIT TABS
4	SEP/04/98	V	CHNG_LV_PS_CAPS_TO_3300U@35V
5	D	V	CHNG_LV_PS_DIODES_TO_6A2
6	NEW_LED_SUPPLY_FOR_300mA		
7	CHG_C17_TO_10U		
8	26/NOV/98	1.10	
9	04/DEC/98	1.20	ENLARGED_HEADPHONE_JACK_PADS
10	11/DEC/98	2.00	CHG_HDPHN_LAYOUT_TO_AVOID_SCREW
11	20/JAN/99		CHG_TO220_MTG_HOLES_TO_0.116"
12	MAR/23/99	3.00	CHG_BRIDGE_MTG_HOLES_TO_0.140"
13	.		PC#5896_D20/D30_20V->22V0_C17_10u/
14	.		63V->22u/50V_EYELETS_ADDED_FOR
15	AUG/25/99	4.00	PHONE JACKS
16	OCT/21/99		PC#6017_6018_SHORTS_ELIMINATED
17	.		PC#6144_D6_27V->43V_R59,R60_470R->
18	APR/07/00	5.00	47R_EYELETS_FOR_PHONE_JKS_REMOVED
19	APR/18/00	.	PC#6218_UPDATE_RELAY_DRILL_SIZE
20	.		PC#6106_Q28_BDV65B->TIP147
21	NOV/22/00	5.10	Q29_BDV64B->TIP147
22	MAR/15/02	6.00	CORRECTION_WC30-WC31
23	MAR/31/05	7.00	STARPADS FOR TABS/EYELETS/JACKS
			PC#6864 REDO_SOLDERMASK

PCB MECH ASSEMBLY M1123-7.00
SOLDERSIDE M1123-7.00 BLANK SIZE=17.000"X8.750"

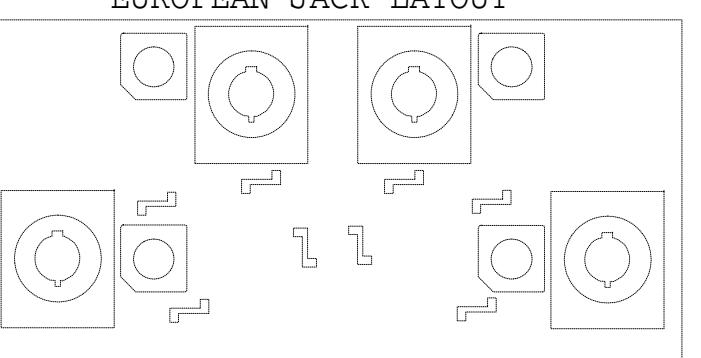
PRODUCTION NOTES

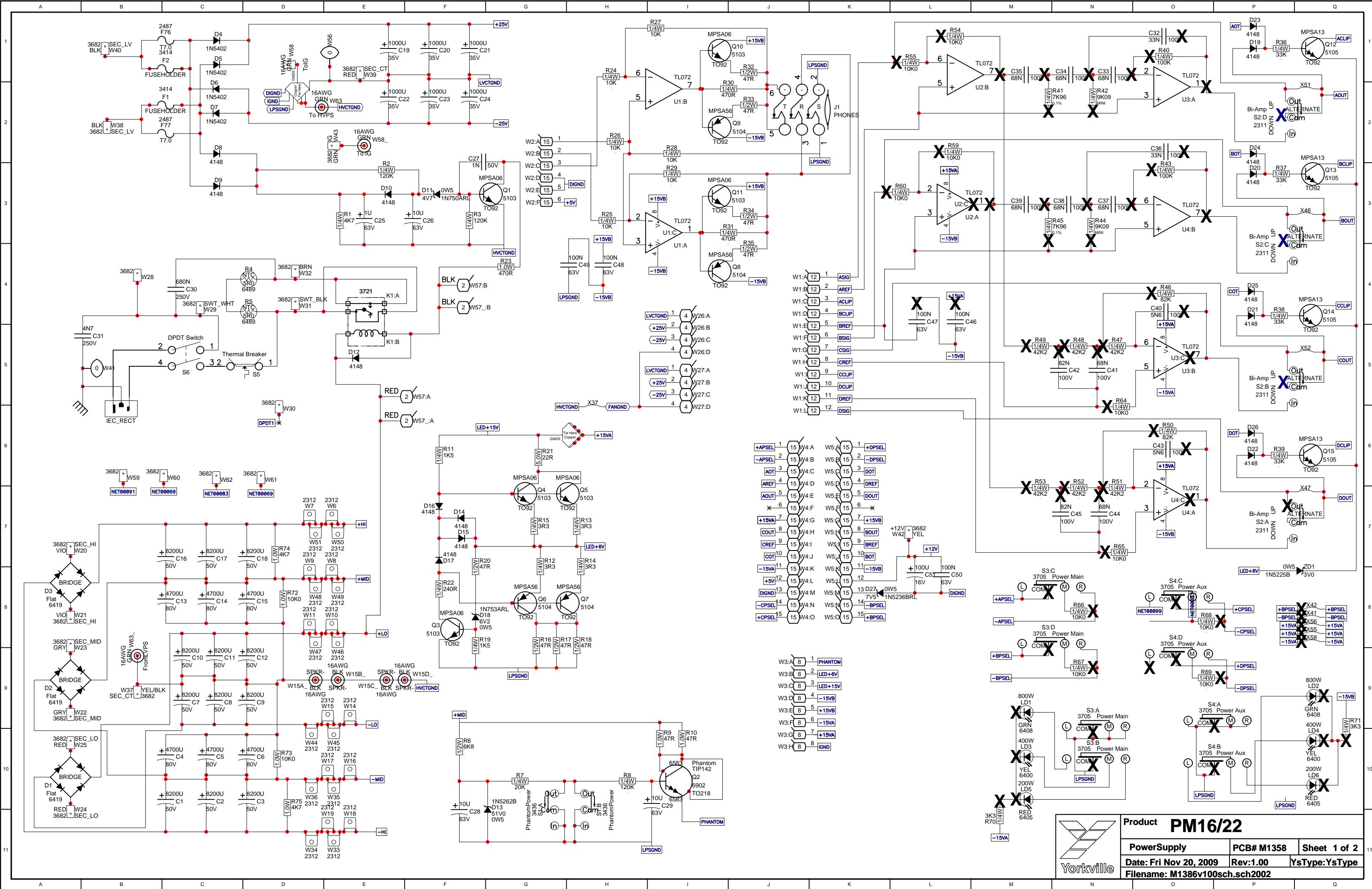
- 1) MOUNT BRIDGES ON THE BOARD WITH GOOP AND 2 #8828 6-32 SCREWS TO Z050 HEATSINK
- 2) BEND THE LEADS OF THE BRIDGES FLAT AGAINST THE BOARD
- 3) MOUNT Z051 REGULATOR HEATSPREADER WITH 2 #8829, 6320 SCREWS
- 4).
- 5)

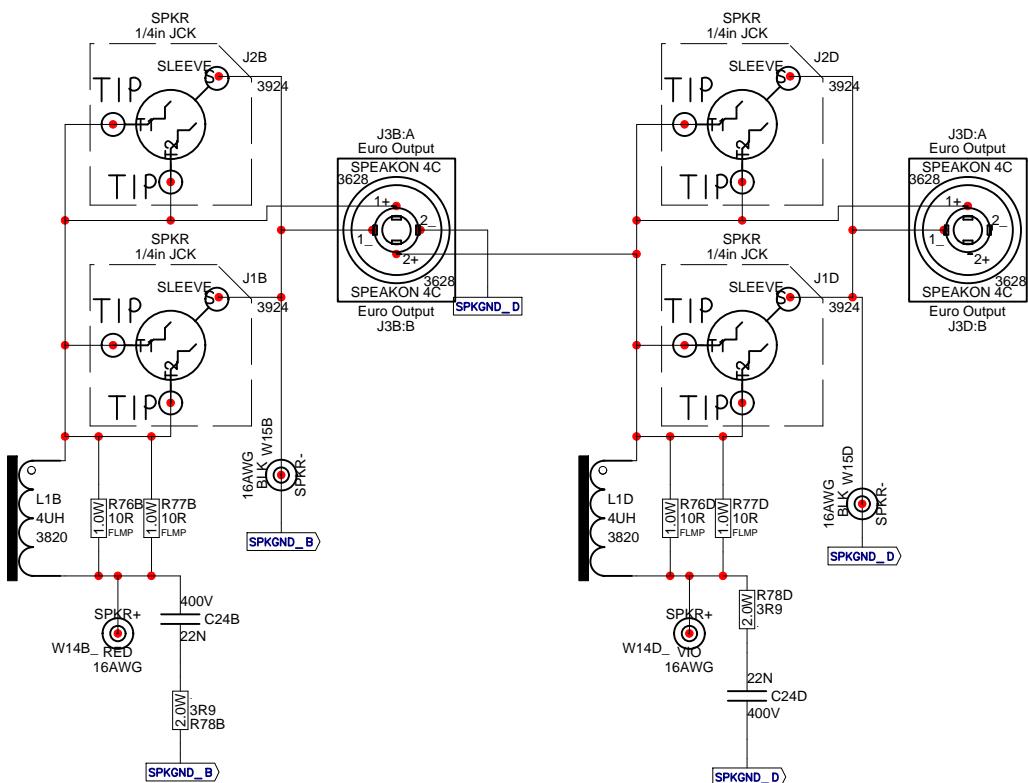
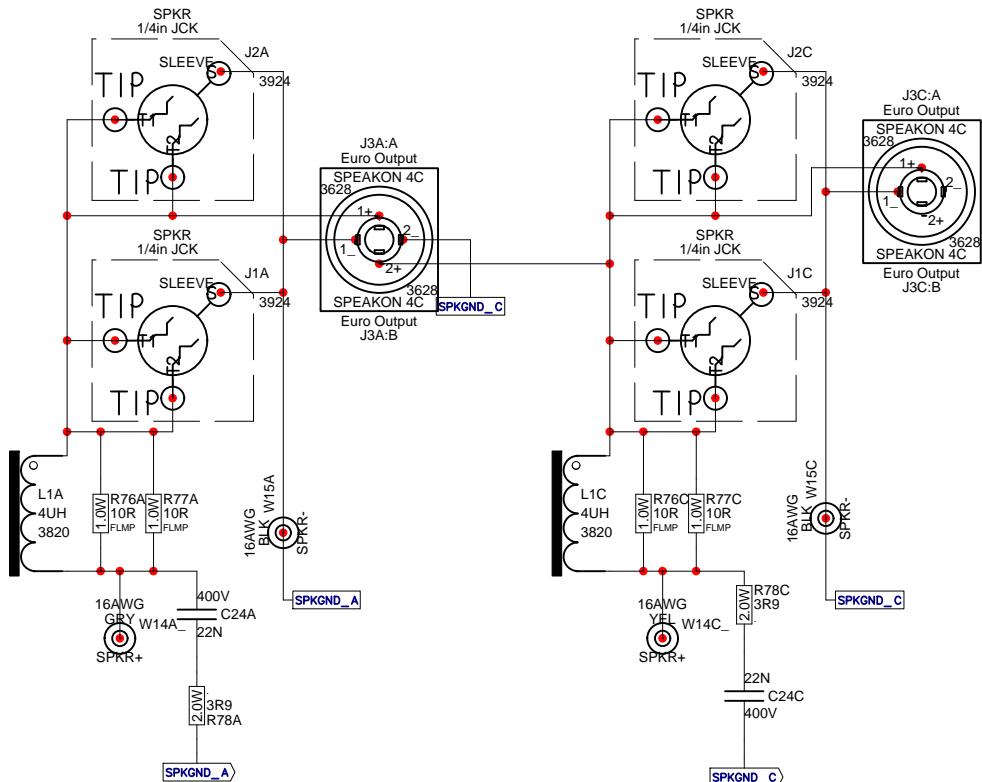
NORTH AMERICAN JACK LAYOUT



EUROPEAN JACK LAYOUT



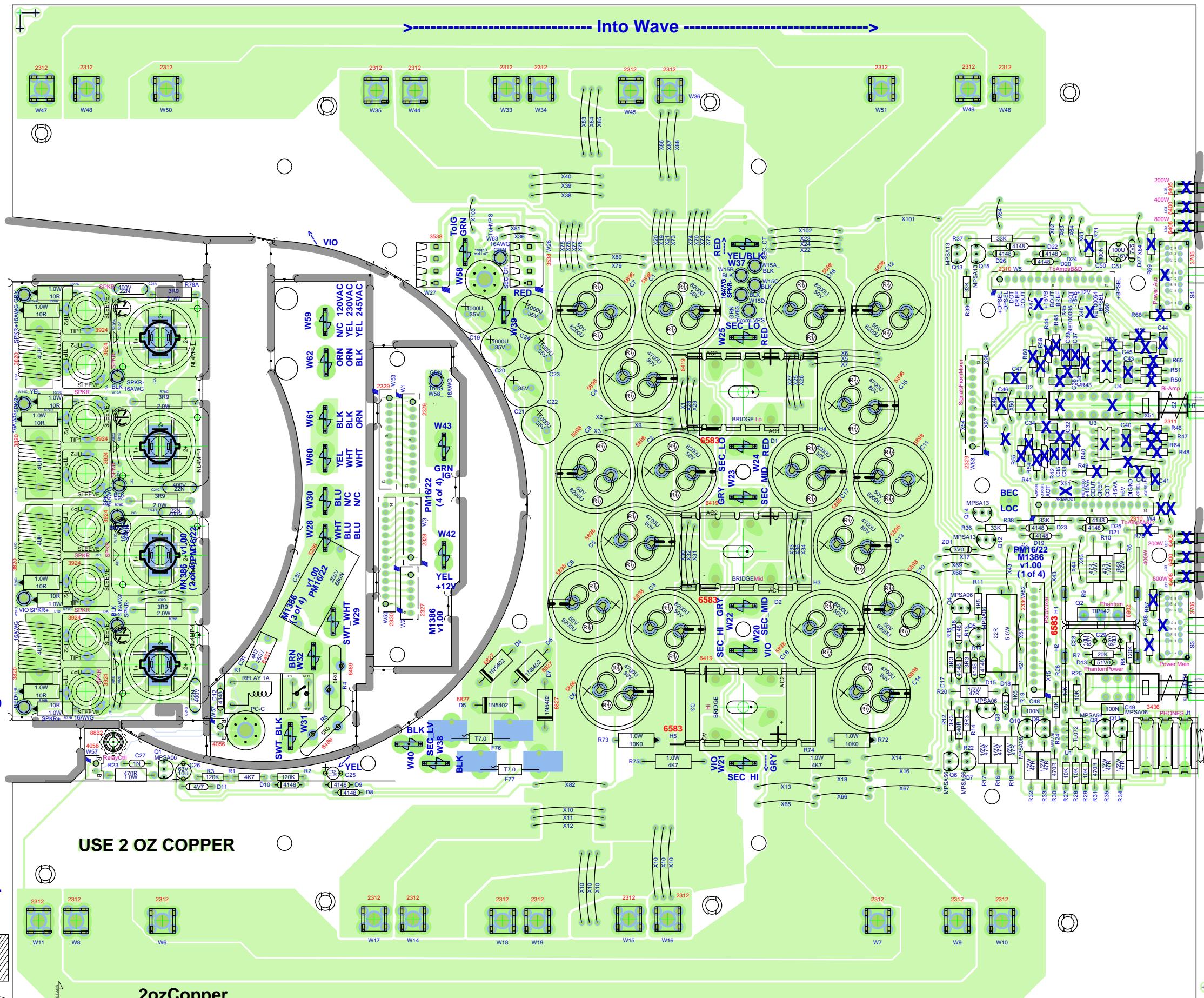




Product PM16/22

Signal Processing	PCB# M1358	Sheet 2 of 2
Date: Fri Nov 20, 2009	Rev: 1.00	YsType: YsType
Filename: M1386v100sch.sch2002		

Keep on for wave soldering.

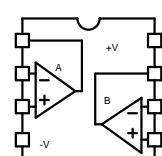
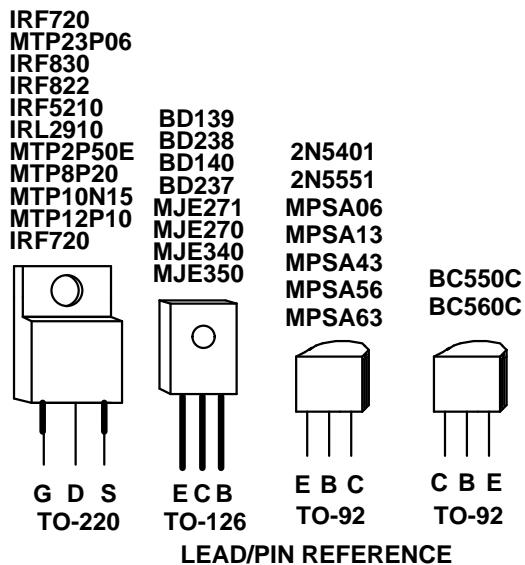


SEE LAYOUT DIAGRAM

M1386.PCB_DATABASE_HISTORY			
MODEL(S):- PM12-2, PM22-2			
#	DATE	VER#	DESCRIPTION OF CHANGE
1	2008/12/10	1.00p1	First proto.
2	2009/05/12	1.00p2	2nd proto.
3	2009/07/28	1.00p3	Chg W58 from eyelet to tab. Disconnected S4, pin9.
4	2009/11/23	V1	First Production Run
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
12	D	V	N
13	D	V	N

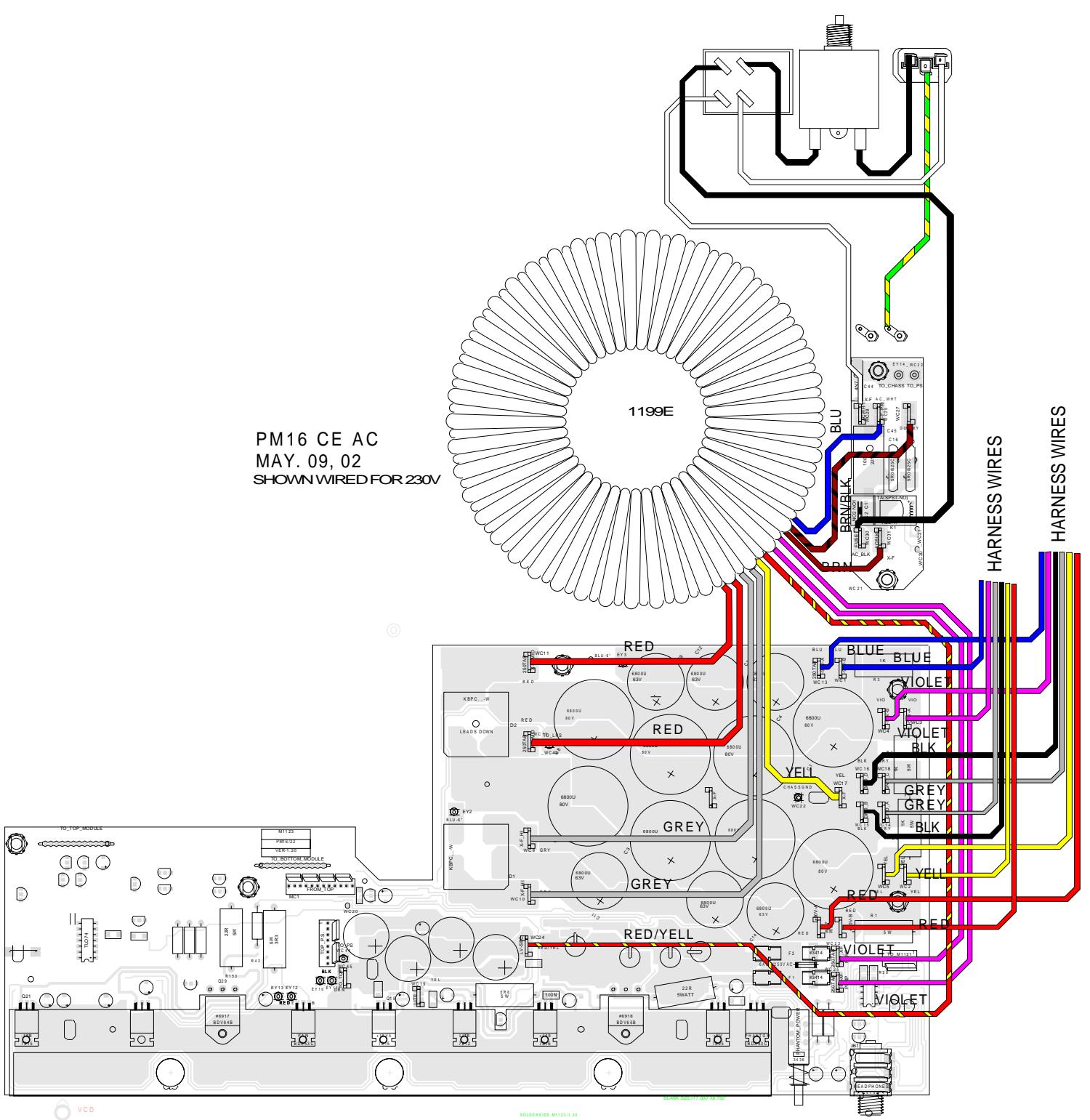
M1386 PENDING CHANGES		
MODEL(S):- PM12-2, PM22-2		
#	PC#	PENDING CHANGE
1	PC	X
2	PC	X
3	PC	X
4	PC	X
5	PC	X
6	PC	X

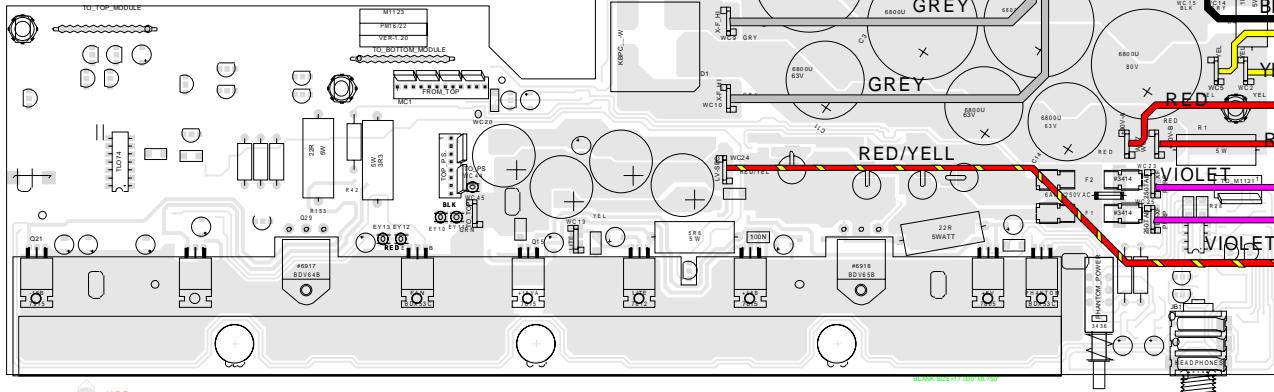
*PLACE IMPLEMENTED CHANGES INTO BOARD HISTORY



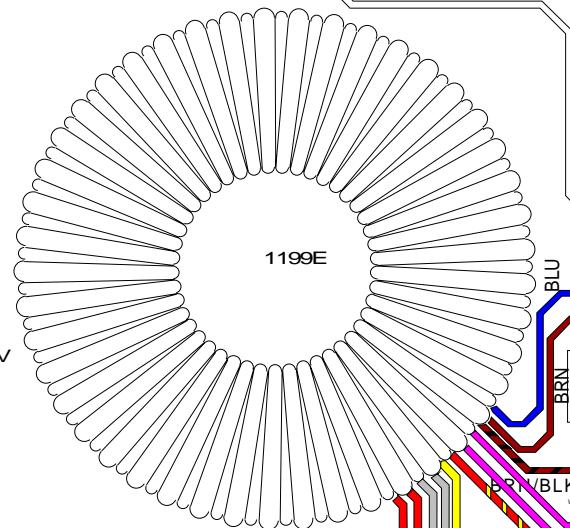
PRODUCTION NOTES

1. Mount the three heatsinks on the bridges after all the large caps are in place.



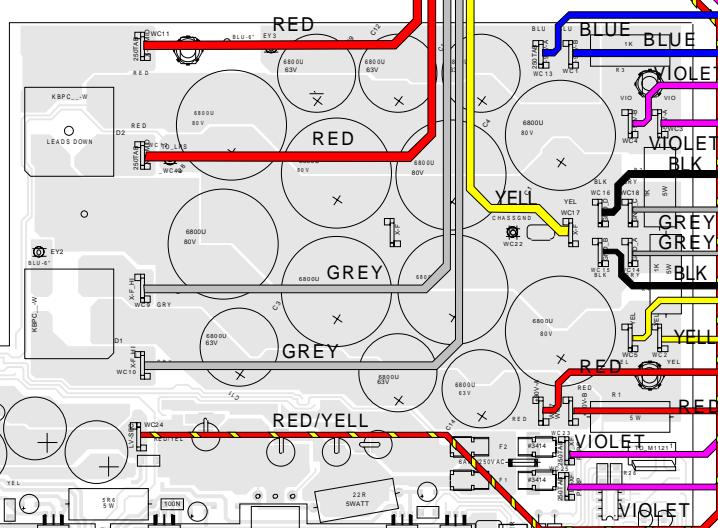


PM16 CE AC
MAY. 09, 02
SHOWN WIRED FOR 245V



HARNESS WIRES

HARNESS WIRES



HARNESS WIRES

HARNESS WIRES

