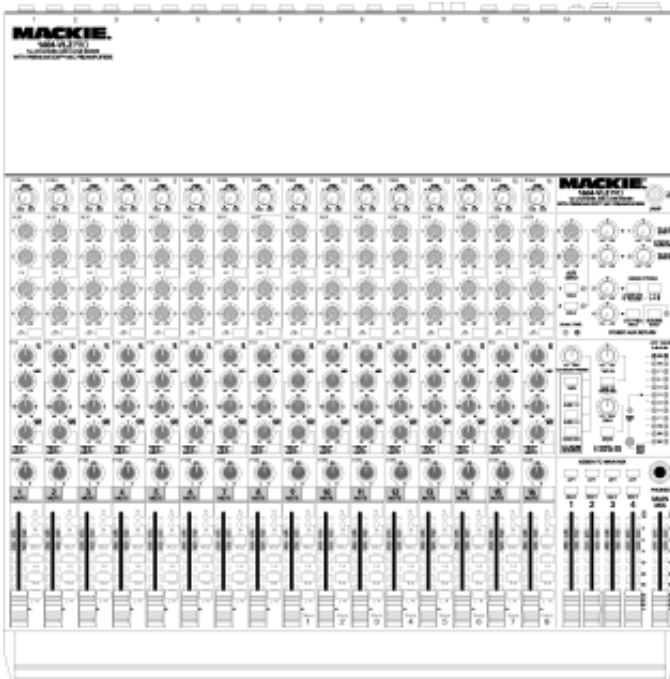


MACKIE®

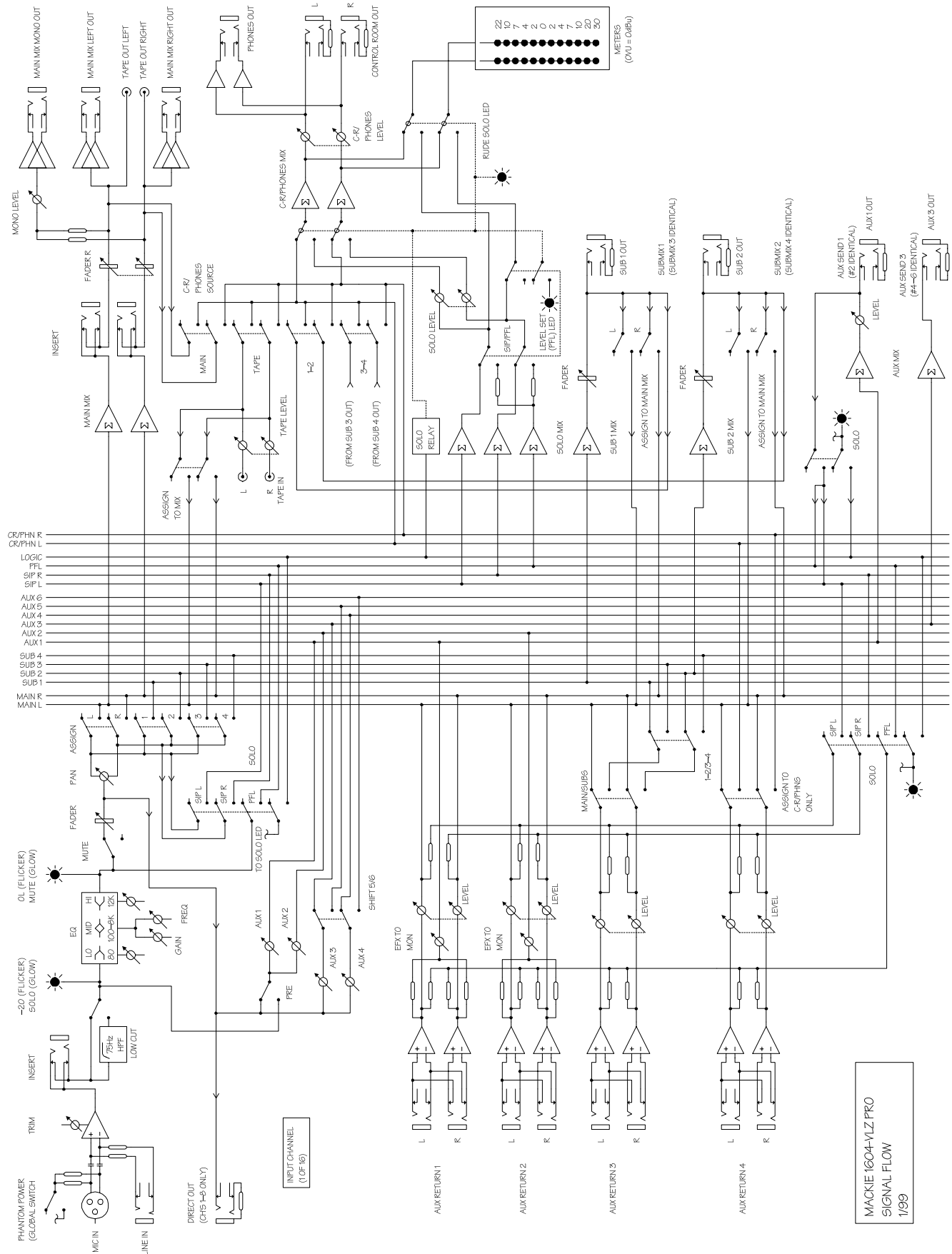
1604-VLZ PRO

16-CHANNEL MIC/LINE MIXER

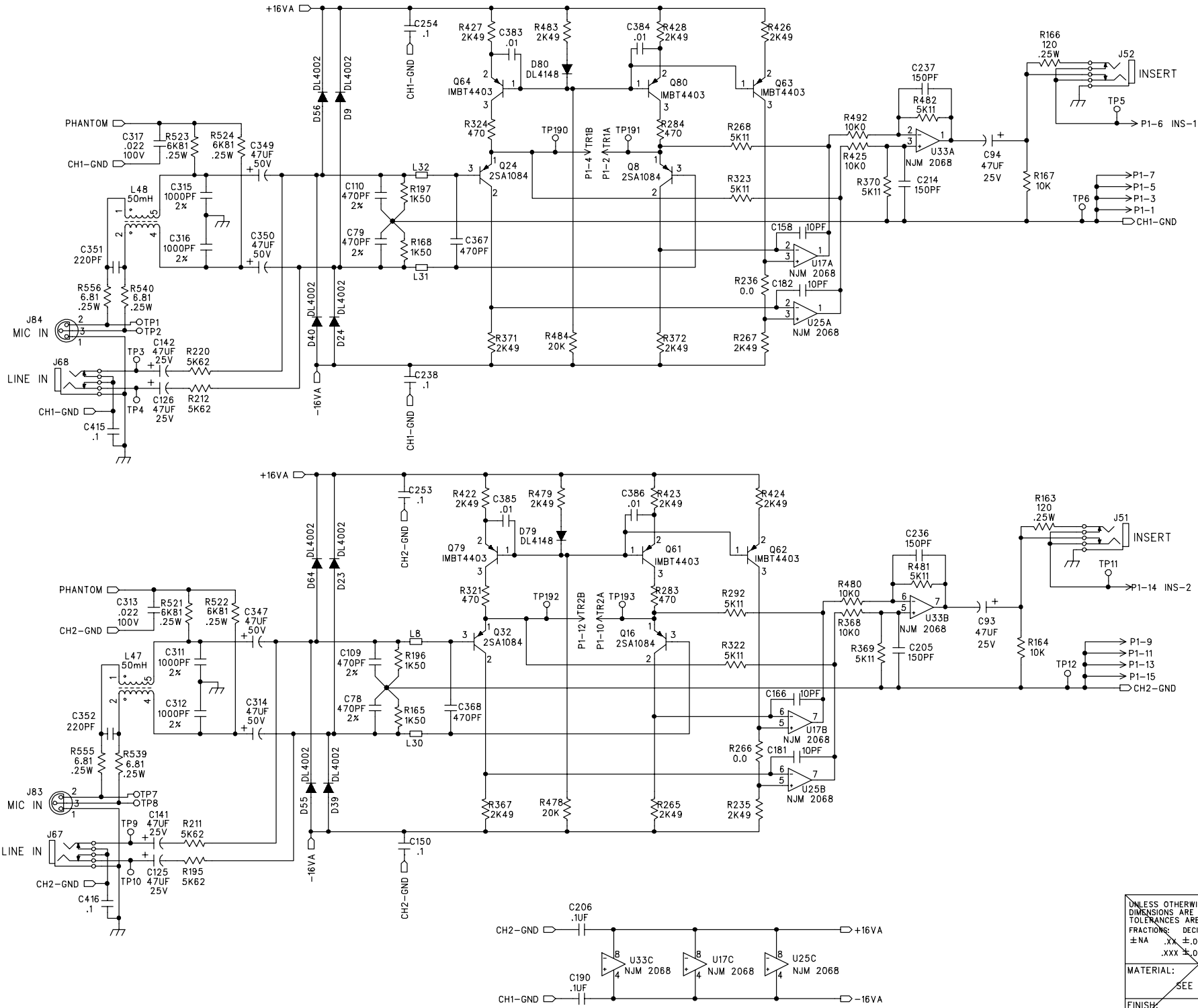


SERVICE MANUAL

MACKIE 1604 VLZ PRO SERVICE MANUAL



DWG. NO.	990-219-00	SHT	REV	1	
REV:	ECO#	DESCRIPTION		REV. BY: APP. BY: DATE	
B	2165	ADD LABEL TO B.O.M.		KR	2-3-99
	2180	MOVE CHOKES			

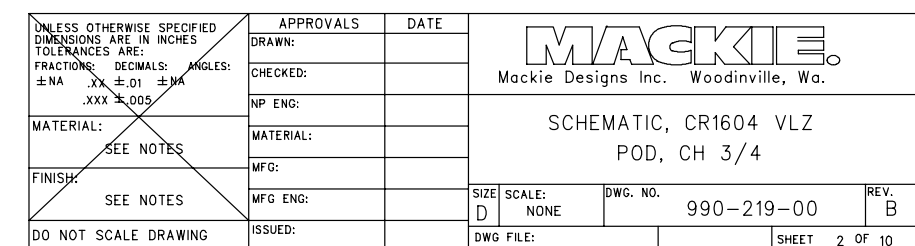


<div>UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS: DECIMALS: ANGLES: ±.NA .XX ±.01 ±.NA .XXX ±.005</div> <div>MATERIAL: SEE NOTES</div> <div>FINISH: SEE NOTES</div> <div>DO NOT SCALE DRAWING</div>	APPROVALS		DATE	
	DRAWN: KR		4-21-98	
	CHECKED:			
	NP ENG: CW		12-2-98	
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	MFG:			
MFG ENG:				
ISSUED: LEIGH		12-3-98		
DWG. FILE:		SHEET 1 OF 10		

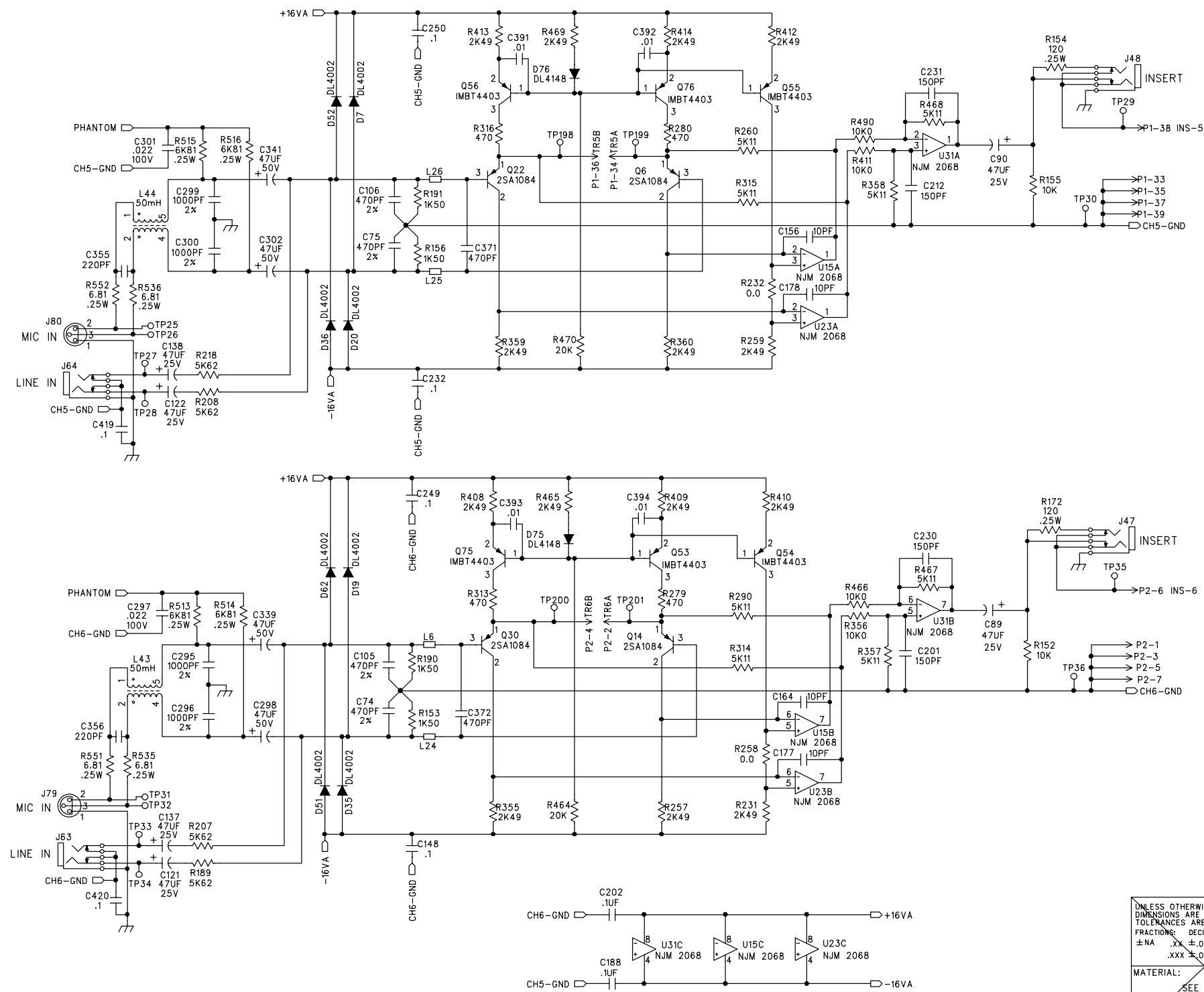
<div>MACKIE.</div> <div>Mackie Designs Inc. Woodinville, Wa.</div>			
SCHEMATIC, CR1604 VLZ POD, CH 1/2			
SIZE D	SCALE: NONE	DWG. NO. 990-219-00	REV. B

MACKIE.
Mackie Designs Inc. Woodinville, Wa.

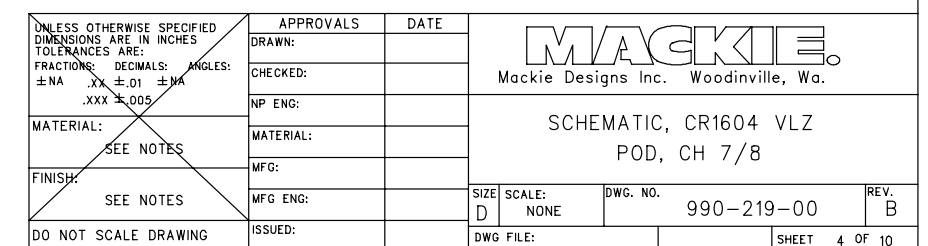
SCHEMATIC, CR1604 VLZ
POD, CH 1/2



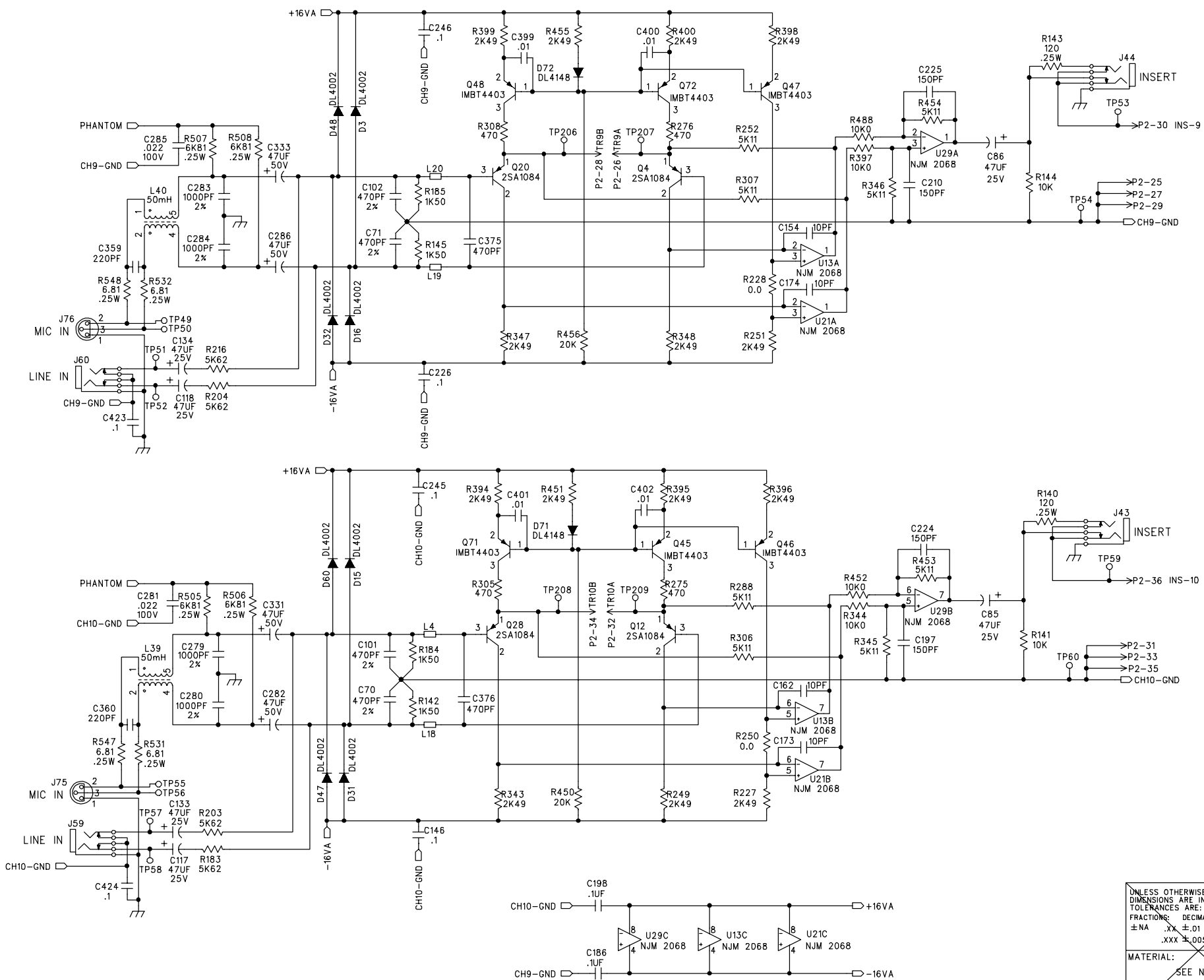
DWG. NO.	990-219-00	SHT	REV	1
REV:	ECO#	DESCRIPTION	REV. BY:	APP. BY:
				DATE



UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS: .XX ±.01 ±.02 DECIMALS: .XXX ±.005 ANGLES: ±.1° MATERIAL: SEE NOTES FINISH: SEE NOTES DO NOT SCALE DRAWING	APPROVALS	DATE	MACKIE. Mackie Designs Inc. Woodinville, Wa. SCHEMATIC, CR1604 VLZ POD, CH 5/6
	DRAWN:		
	CHECKED:		
	NP ENG:		
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	MFG:		
	MFG ENG:		
	ISSUED:		



DWG. NO.	990-219-00	SHT	REV	1
REV:	ECO#	DESCRIPTION	REV. BY:	APP. BY:
DATE				



UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS: DECIMALS: ANGLES: ±.NA .XX ±.01 ±.NA .XXX ±.005	APPROVALS	DATE	MACKIE. Mackie Designs Inc. Woodinville, Wa.	
	DRAWN:			
	CHECKED:			
	NP ENG:		SCHEMATIC, CR1604 VLZ POD, CH 9/10	
	MATERIAL:			
MATERIAL:	MATERIAL:		SIZE	SCALE:
FINISH:	MFG:		D	NONE
DO NOT SCALE DRAWING	MFG ENG:		DWG. NO.	REV.
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			DWG FILE:	SHEET 5 OF 10

DWG. NO. 990-219-00SHT 6REV B

REV: ECO#

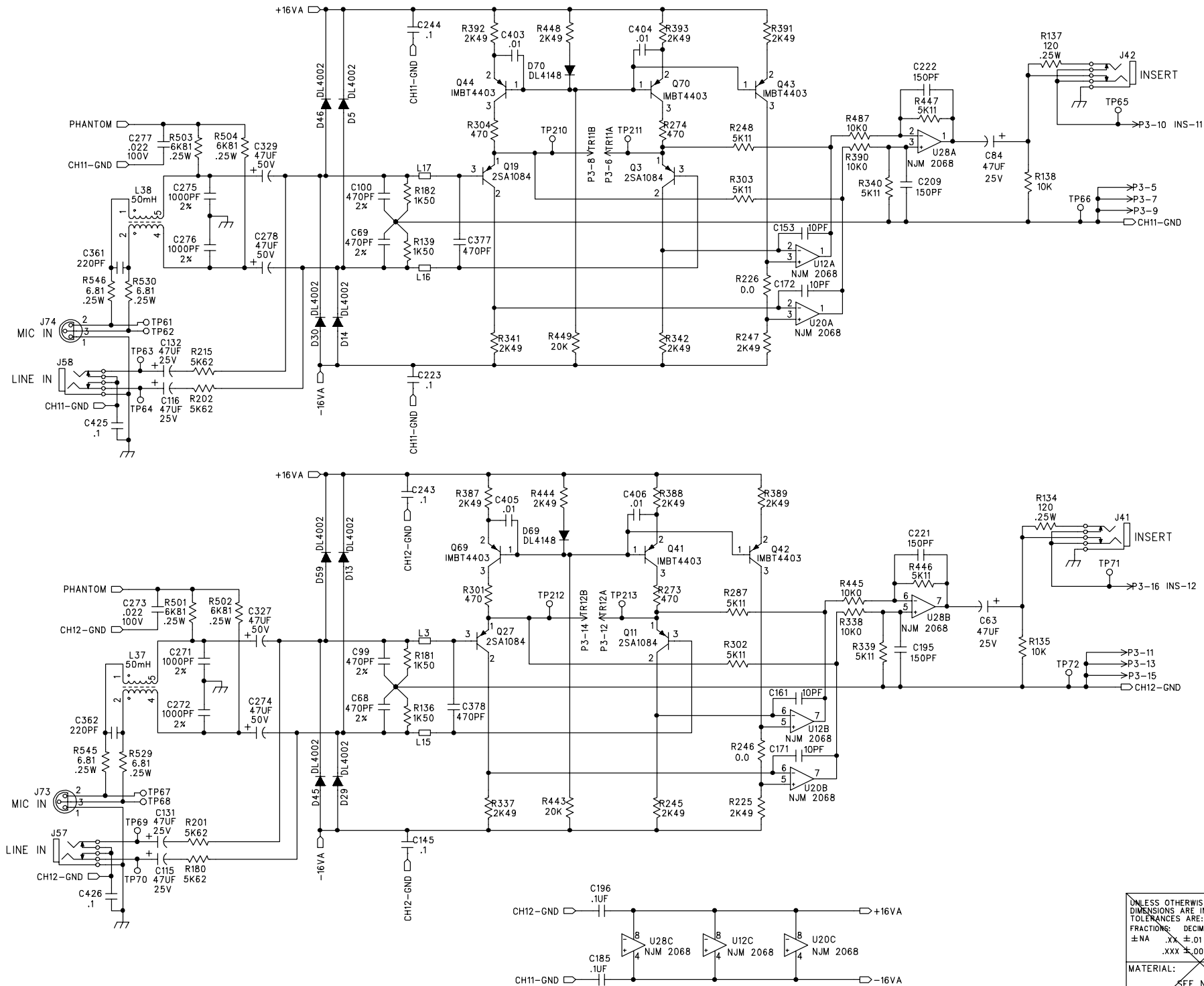
DESCRIPTION

REV. BY:

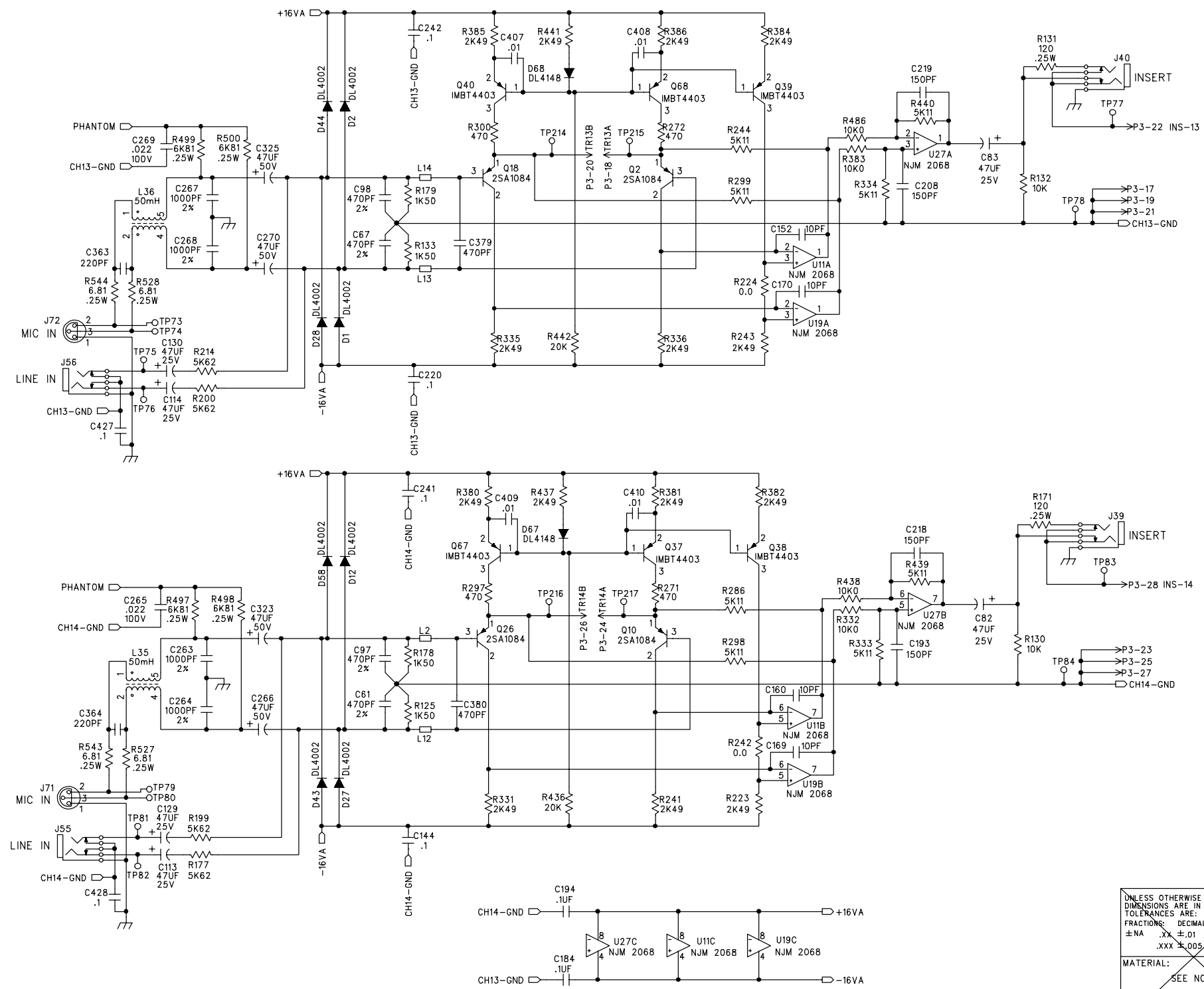
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DATE

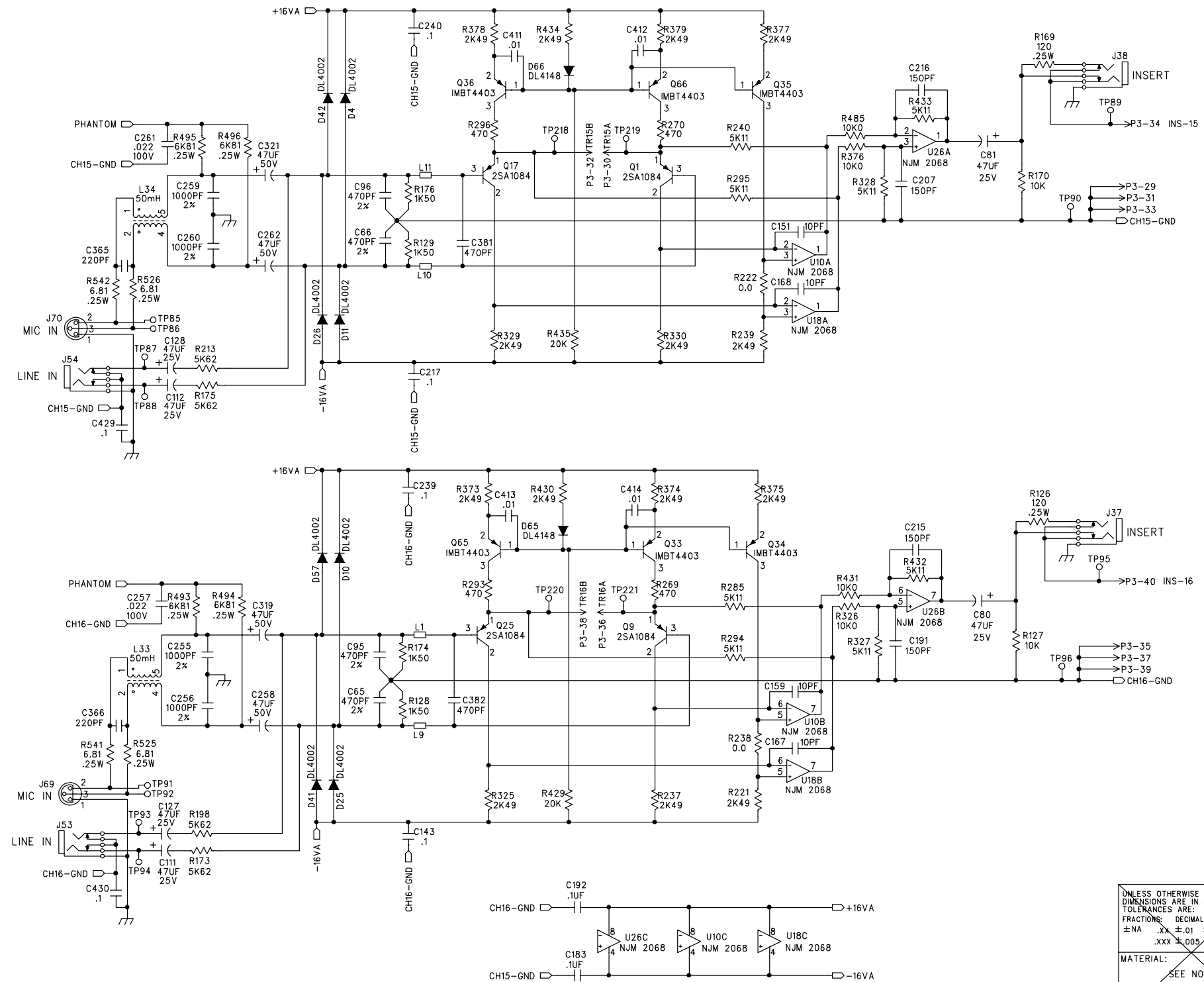
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	CHECKED:		
	NP ENG:		
	MATERIAL:		
	MFG:		
FINISH:	SEE NOTES		
DO NOT SCALE DRAWING	ISSUED:		



DWG. NO.	990-219-00	SHT	7	REV	B	1	
REV:	ECO#	DESCRIPTION			REV. BY:	APP. BY:	DATE



UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS: .XX ±.01 ±.005 DECIMALS: .XXX ±.005 ANGLES: ±.1° MATERIAL: SEE NOTES FINISH: SEE NOTES DO NOT SCALE DRAWING	APPROVALS	DATE	MACKIE. Mackie Designs Inc. Woodinville, Wa.	
	DRAWN:			
	CHECKED:			
	NP ENG:		SCHEMATIC, CR1604 VLZ POD, CH 13/14	
	MATERIAL:			
MFG:	MFG ENG:		SIZE	SCALE: NONE
	ISSUED:		DWG. NO.	990-219-00
			REV.	B
DWG FILE:		SHEET 7 OF 10		



UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS: DECIMALS: ANGLES: $\pm .NA$ $.XX \pm .01$ $\pm NA$ $.XXX \pm .005$		
MATERIAL: SEE NOTES		
FINISH: SEE NOTES		
DO NOT SCALE DRAWING		

APPROVALS		DATE
DRAWN:		
CHECKED:		
NP ENG:		
MATERIAL:		
MFG:		
MFG ENG:		
ISSUED:		

MACKIE.
Mackie Designs Inc. Woodinville, Wa.

SCHEMATIC, CR1604 VL
POD, CH 15/16

SIZE D	SCALE: NONE	DWG. NO. 990-219-00	REV. B
DWG FILE:			SHEET 8 OF 10

D

D

C

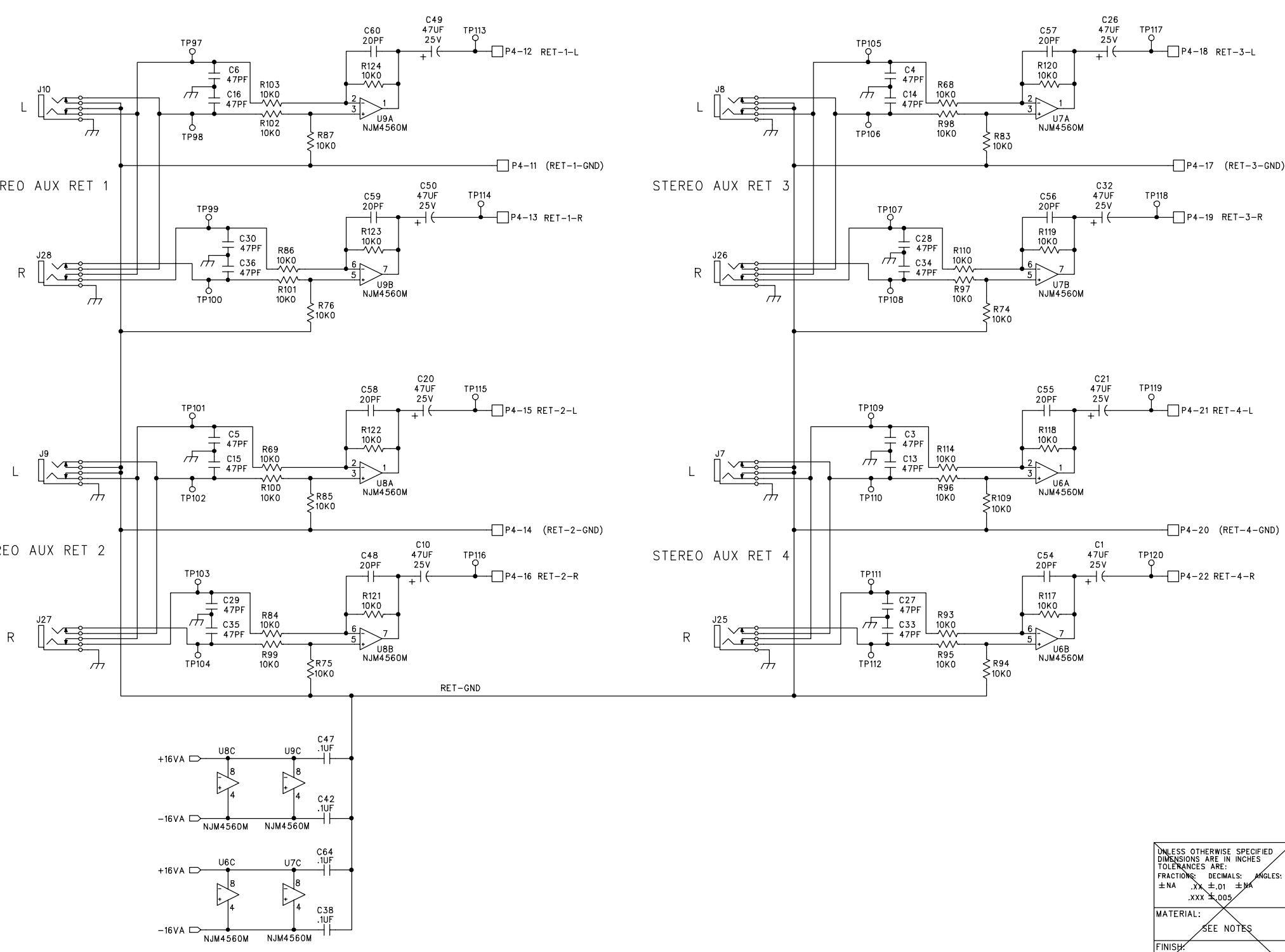
C

B

B

A

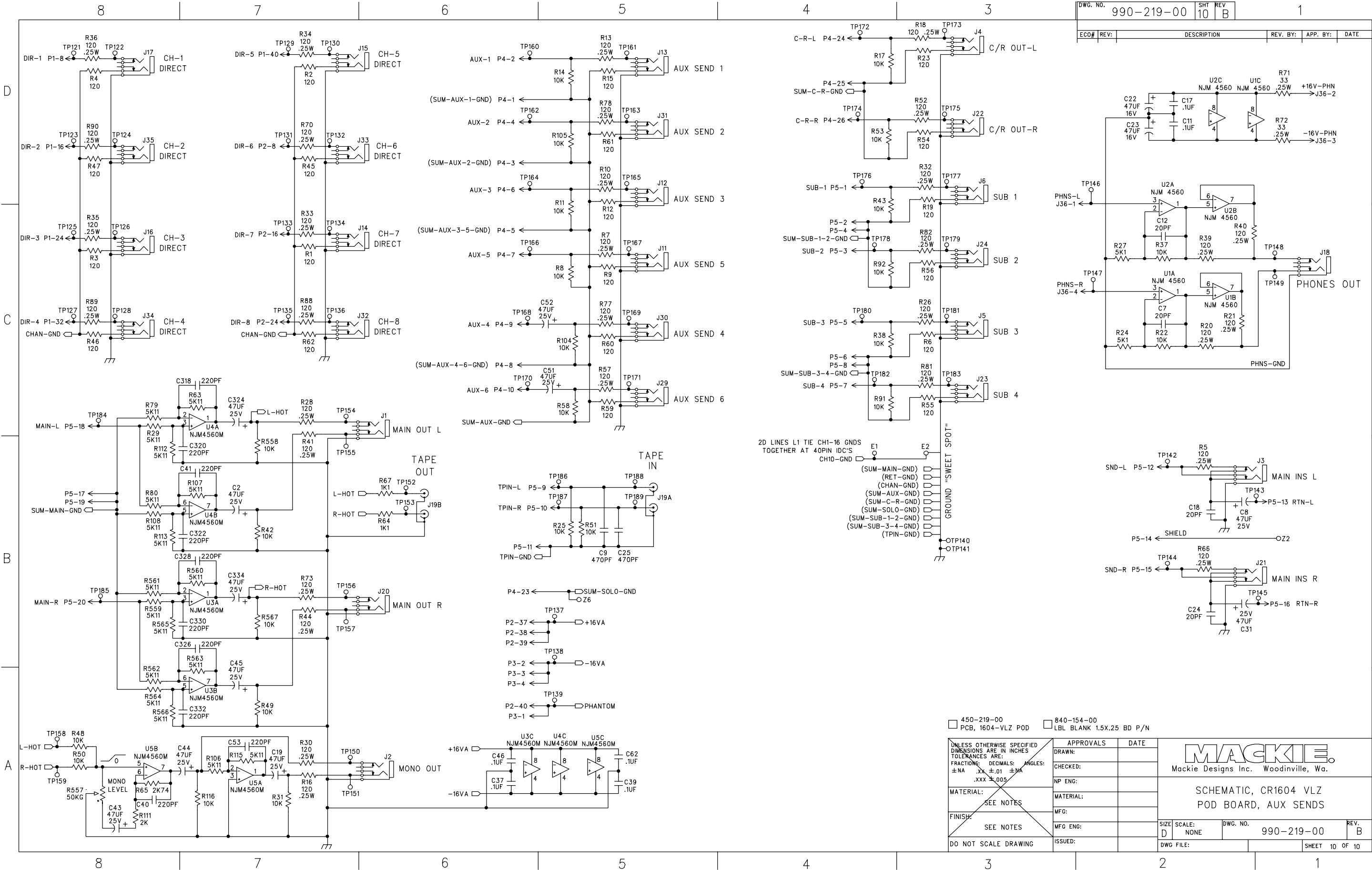
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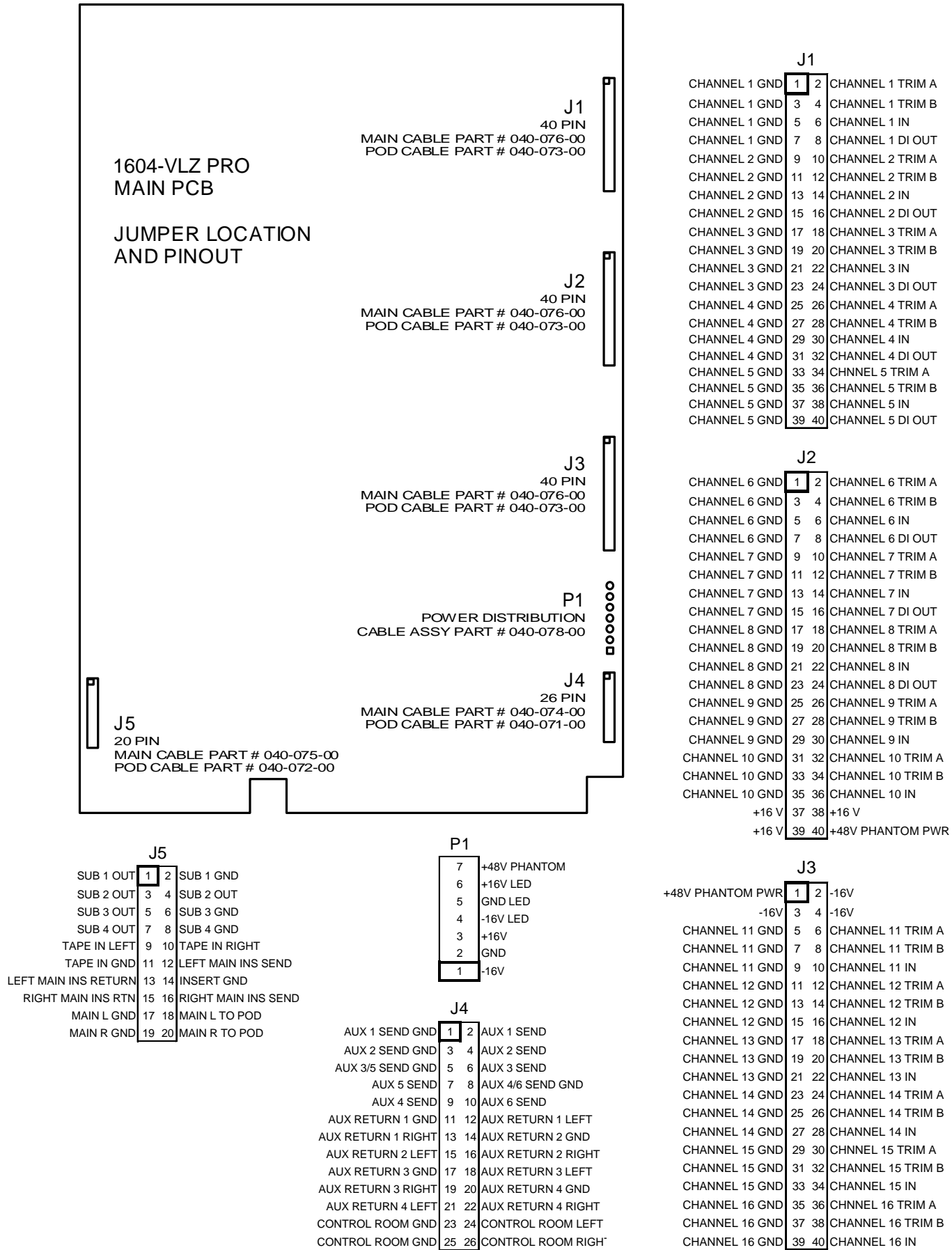


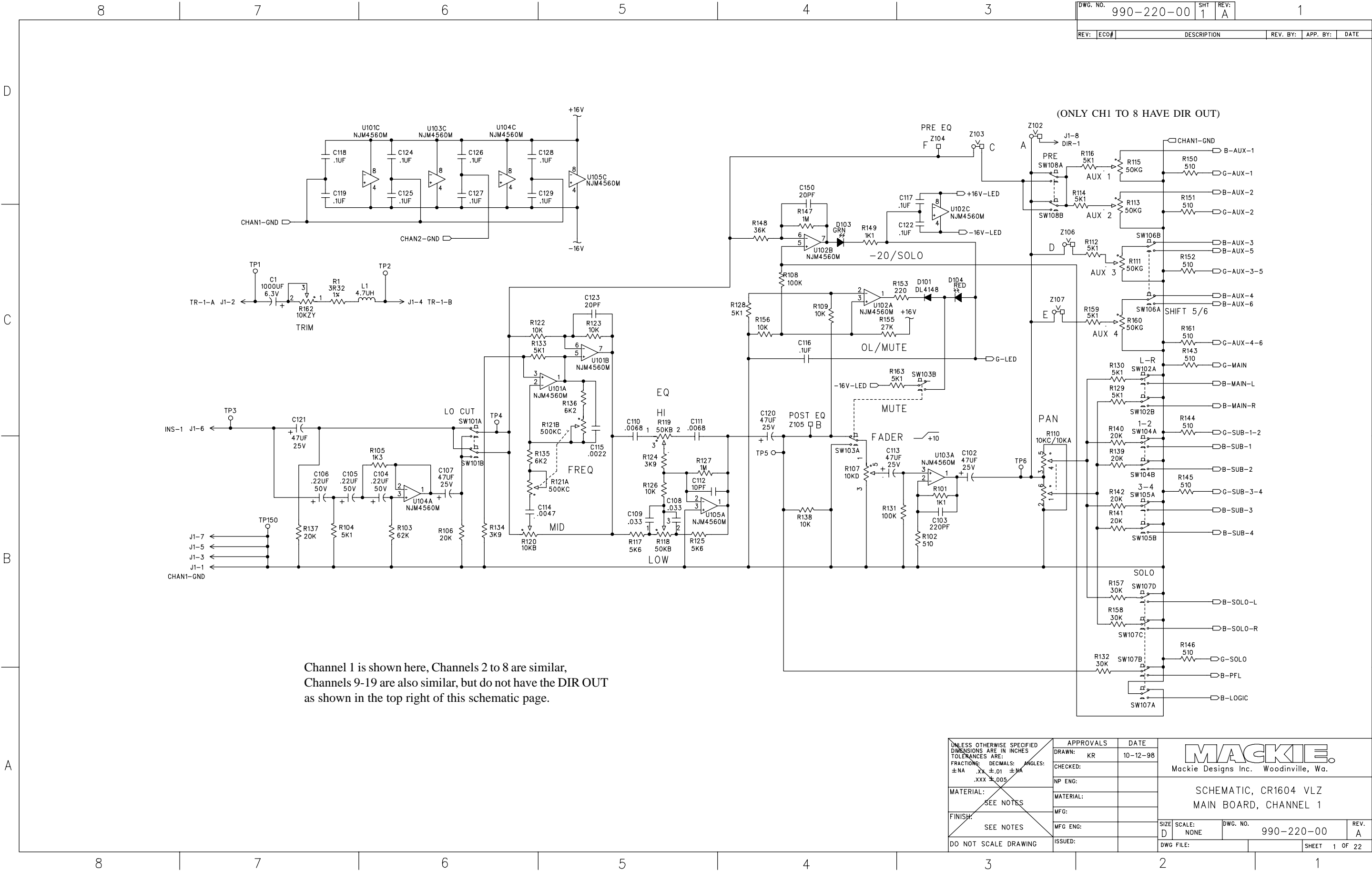
UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ARE:
FRACTIONS: DECIMALS: ANGLES:
±.01 ±.01 ±.01
±.005 ±.005 ±.005
MATERIAL: SEE NOTES
FINISH: SEE NOTES
DO NOT SCALE DRAWING

APPROVALS		DATE
DRAWN:		
CHECKED:		
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ISSUED:		

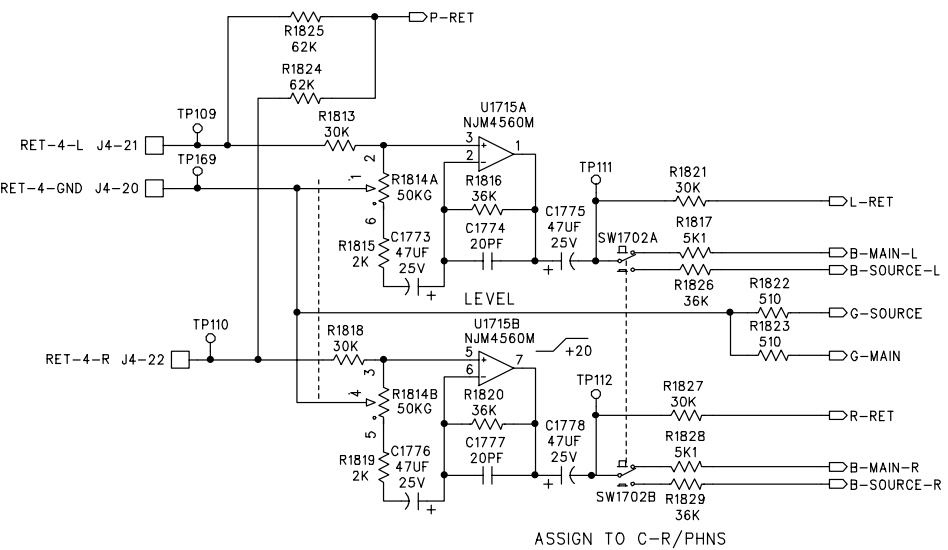
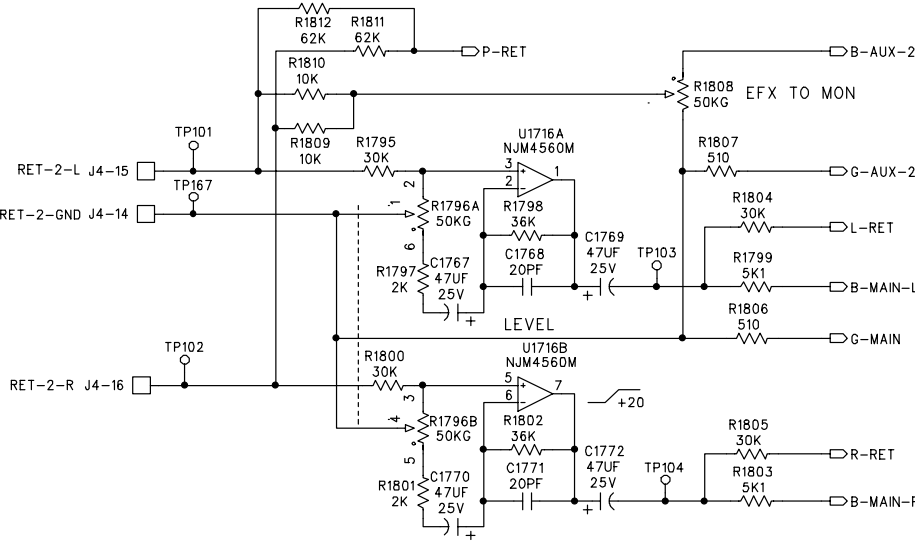
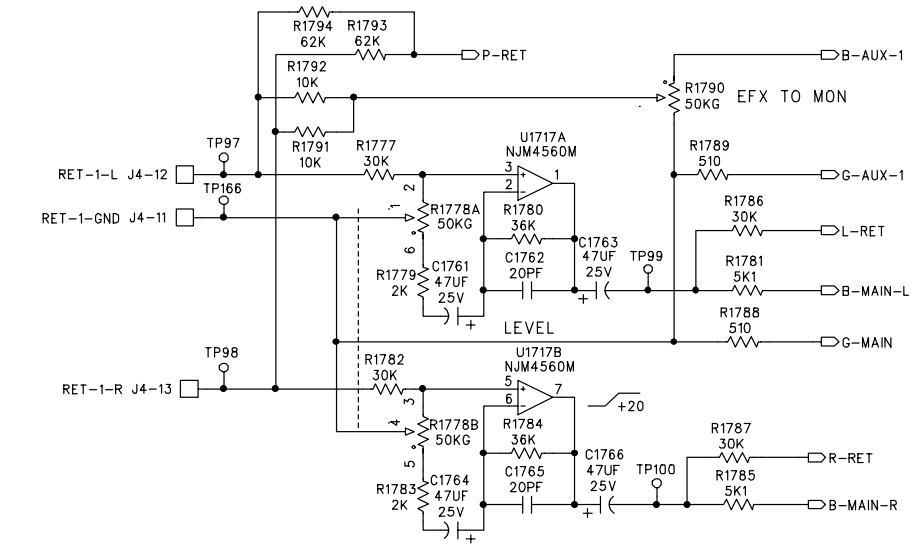
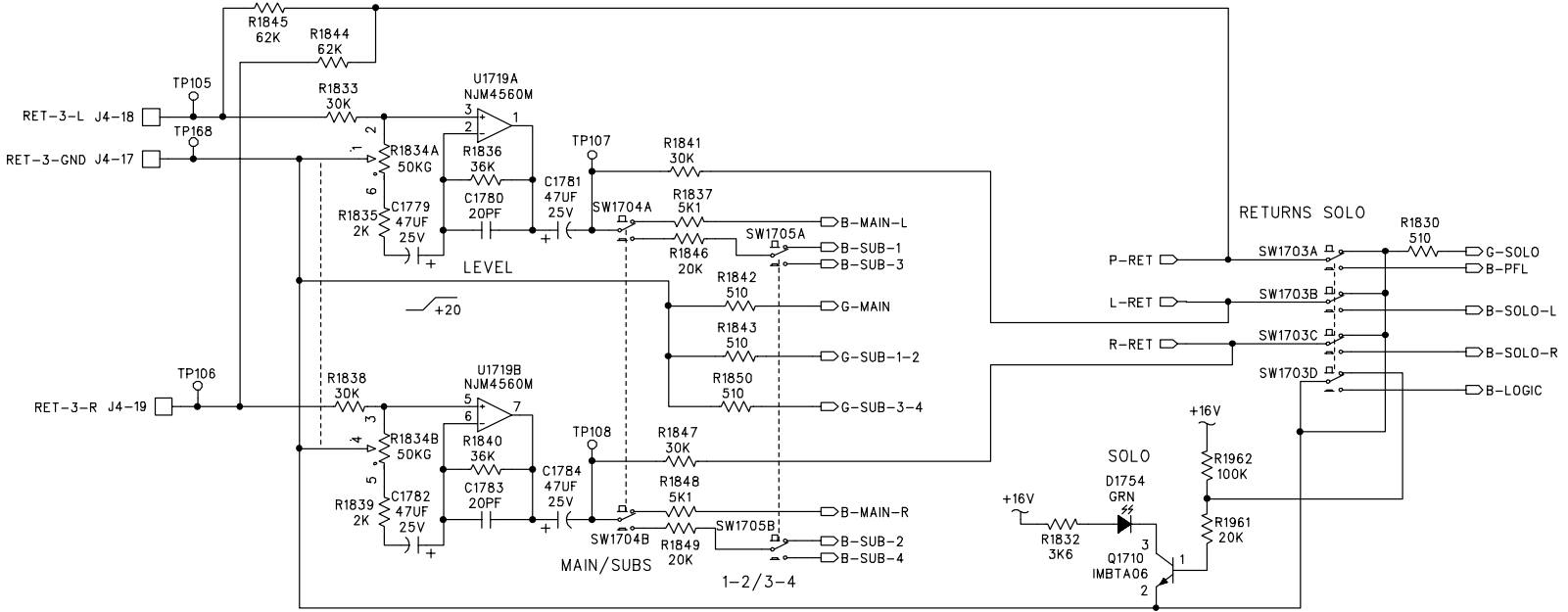
MACKIE.			
Mackie Designs Inc. Woodinville, Wa.			
SCHEMATIC, CR1604 VLZ POD BOARD, AUX RETURNS			
SIZE	SCALE:	DWG. NO.	REV.
D	NONE	990-219-00	B
DWG FILE:		SHEET 9 OF 10	



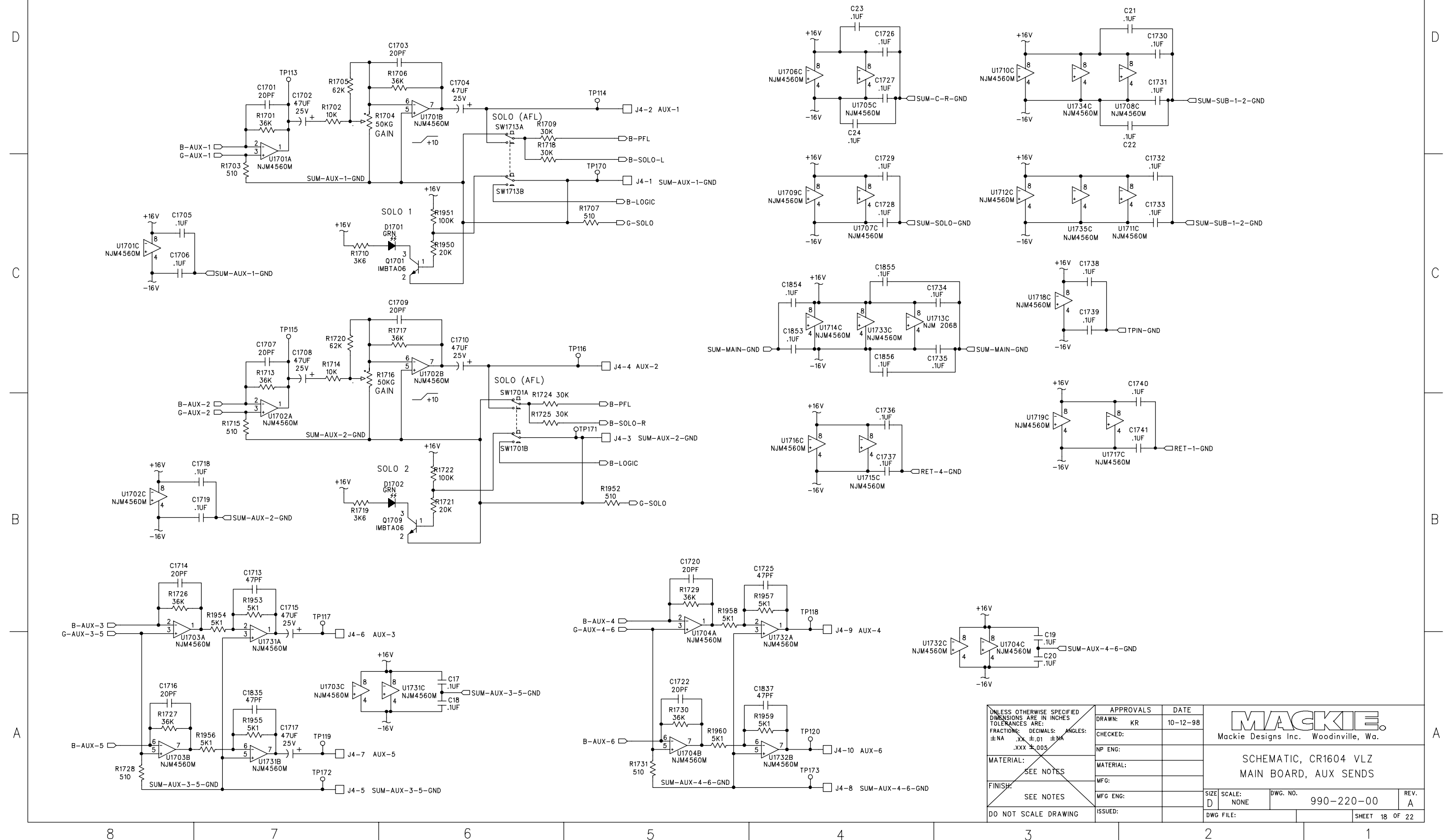




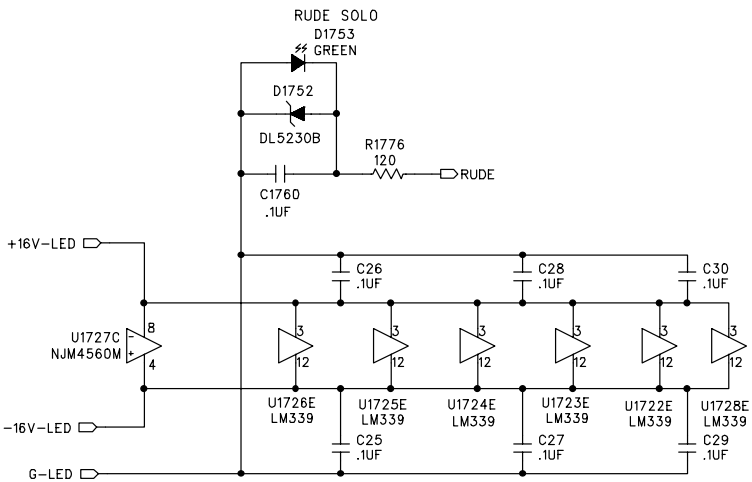
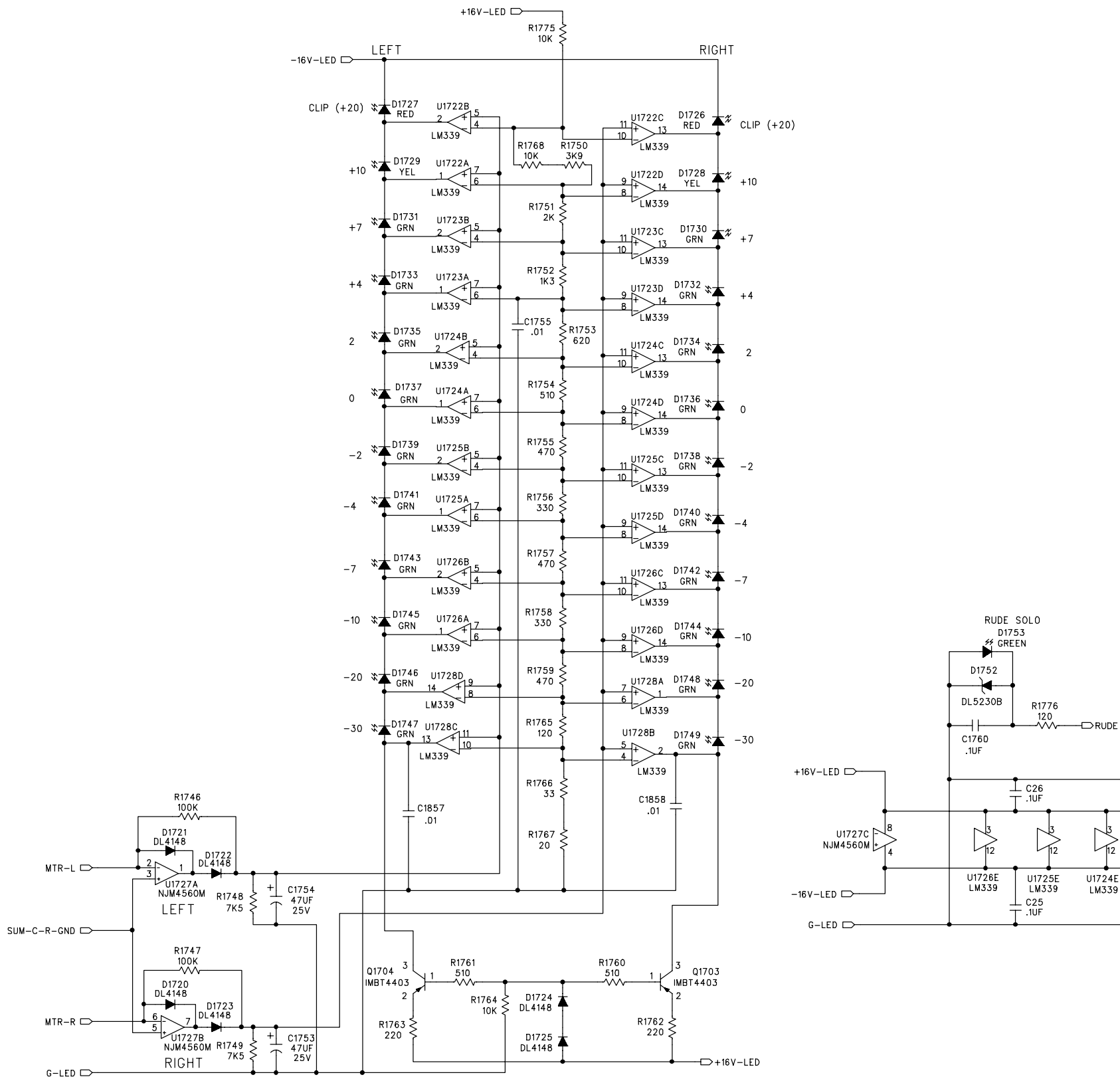
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ECO#	REV:	DESCRIPTION	REV. BY:	APP. BY:	DATE	



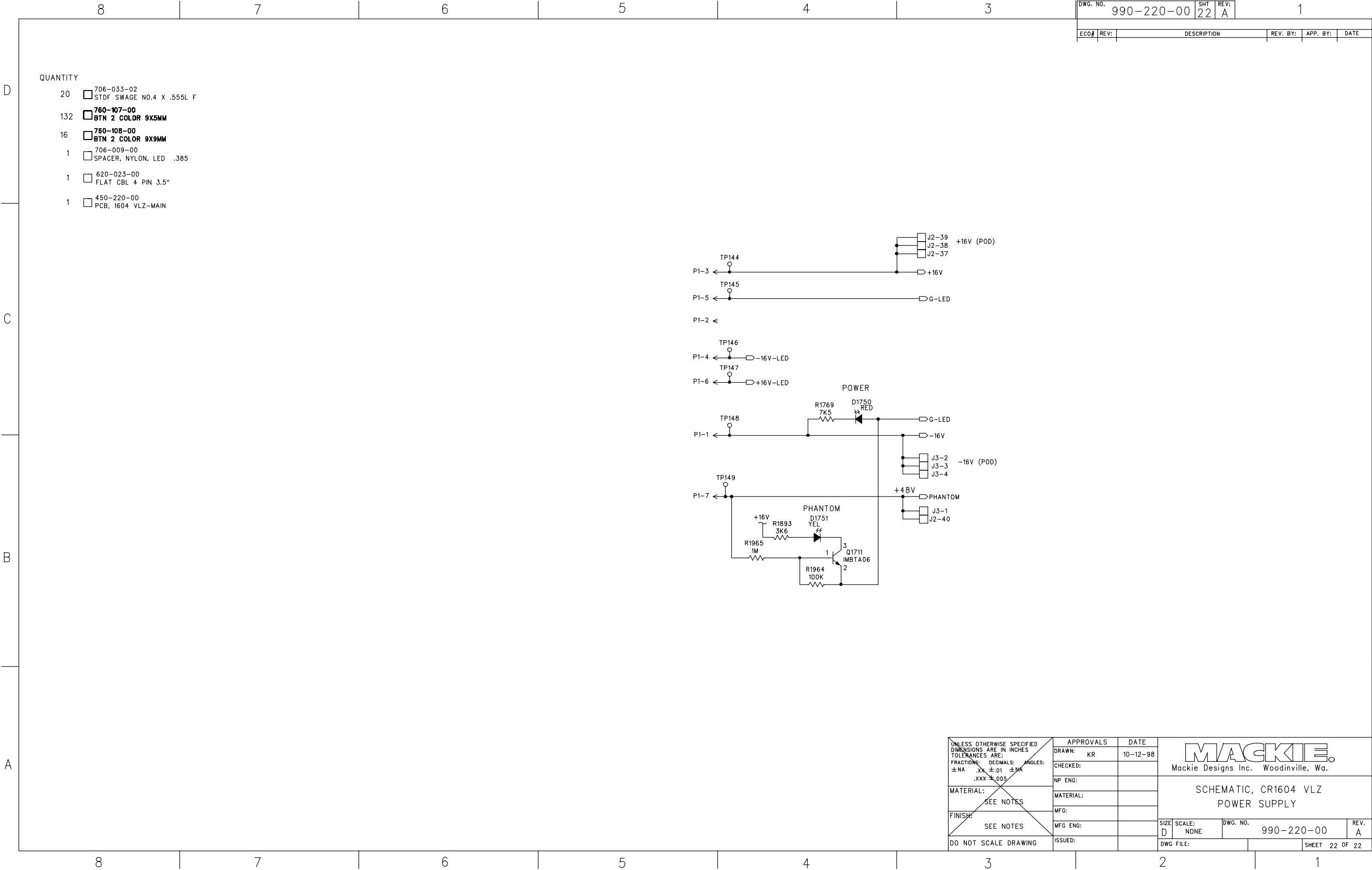
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS: DECIMALS: ANGLES: ±.NA .XX ±.01 ±.NA .XXX ±.005	APPROVALS	DATE	<div>MACKIE. Mackie Designs Inc. Woodinville, Wa.</div> <div>SCHEMATIC, CR1604 VLZ MAIN BOARD, AUX RTNS</div> <div>SIZE: D SCALE: NONE DWG. NO. 990-220-00 REV. A</div> <div>DWG FILE: SHEET 17 OF 22</div>			
	DRAWN: KR	10-12-98				
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MATERIAL:	SEE NOTES					
FINISH:	SEE NOTES					
DO NOT SCALE DRAWING	ISSUED:					



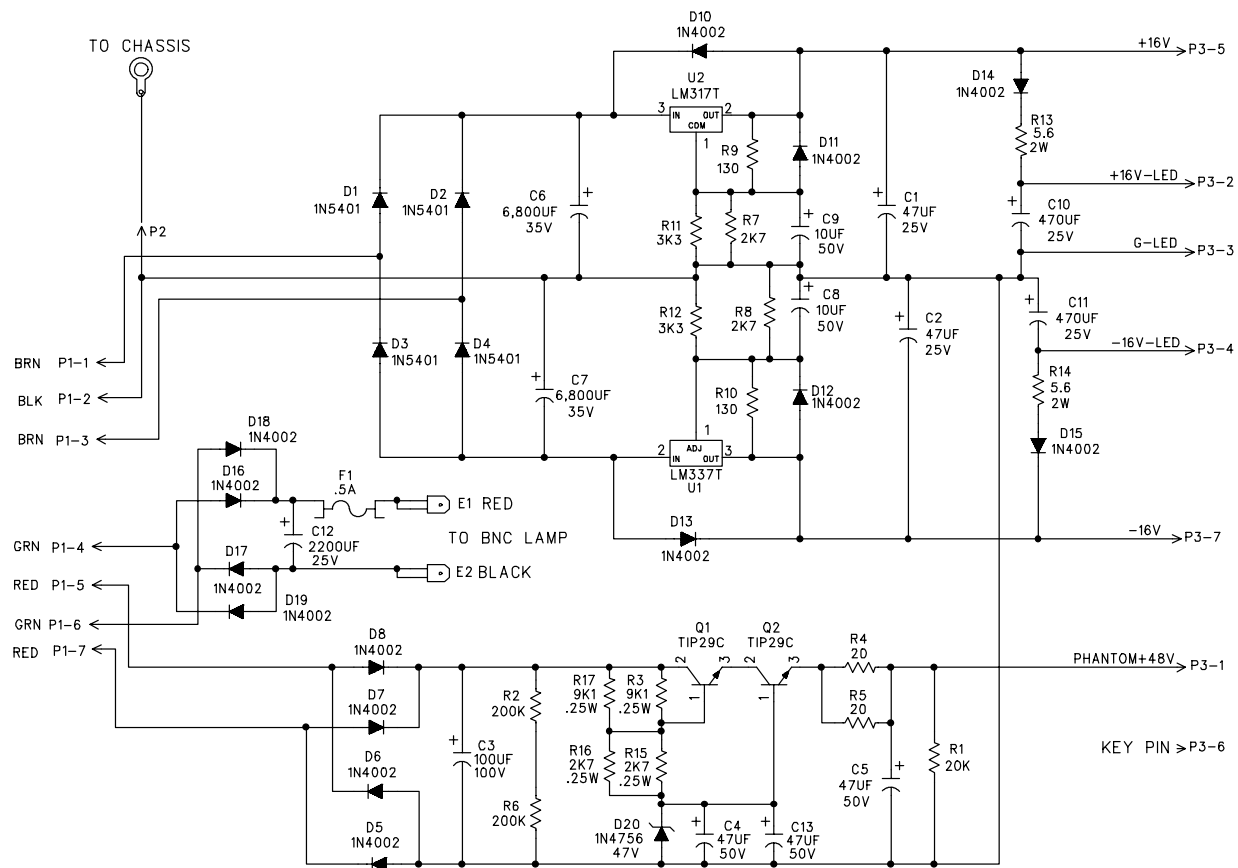
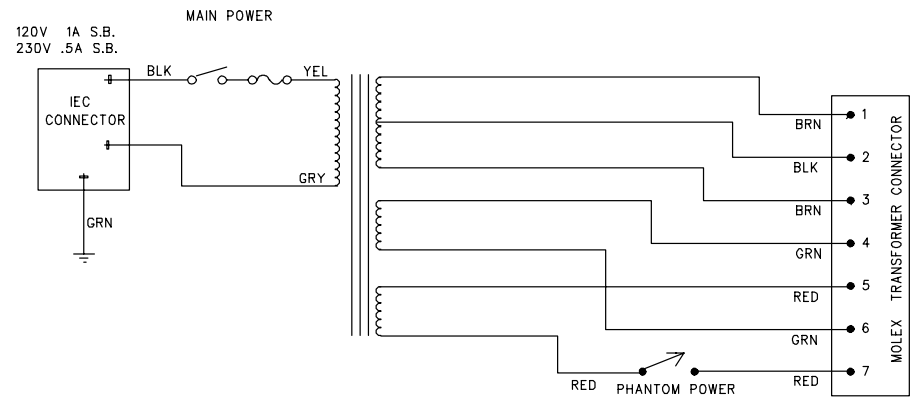
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ECO#	REV:	DESCRIPTION			REV. BY:	APP. BY:	DATE



UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS: .XX ±.01 ±.005 DECIMALS: .XXX ±.005 ANGLES: ±.1° MATERIAL: SEE NOTES FINISH: SEE NOTES DO NOT SCALE DRAWING	APPROVALS	DATE	MACKIE. Mackie Designs Inc. Woodinville, Wa.			
	DRAWN: KR	10-12-98				
	CHECKED:					
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	MATERIAL:					
	MFG:		SIZE	SCALE: NONE	DWG. NO. 990-220-00	REV. A
	MFG ENG:					
	ISSUED:		DWG FILE:	SHEET 21 OF 22		



DWG. NO.	990-249-00	SHT	1	REV:	A	1	
REV:	ECO#	DESCRIPTION			REV. BY:	APP. BY:	DATE



- 400-060-00 FUSE CLIP PCMT
- 400-060-00 FUSE CLIP PCMT
- 450-249-00 PCB, 1604 VLZ II POWER SUPPLY
- 706-008-00 STANDOFF, SWAGE 4-40 X .34
- 706-008-00 STANDOFF, SWAGE 4-40 X .34

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS: DECIMALS: ANGLES: ±.NA .XX ±.01 ±.NA .XXX ±.005	APPROVALS	DATE	MACKIE. Mackie Designs Inc. Woodinville, Wa.		
	DRAWN: KR	11-30-98			
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	NP ENG:				
	MATERIAL:				
MATERIAL: SEE NOTES	MFG:		SIZE	SCALE:	DWG. NO.
FINISH: SEE NOTES	MFG ENG:		D	NONE	990-249-00
DO NOT SCALE DRAWING	ISSUED:		DWG FILE:		REV. A
					SHEET 1 OF 1