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2 SH-002451-00

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5. J104, J204 ARE CONNECTED PIN TO PIN BY 13-LINE RIBBON CABLE.
4. PART NUMBERING SCHEME
PARTS IN COMMON TO BOTH CH: 1-99. CH 1 PARTS 101-199, CH 2 PARTS 201-299.
3. COMPONENTS MARKED WITH Δ ARE SAFETY CRITICAL PARTS.
2. COMPONENTS WITH VALUE PREFIXED WITH A "*" REPRESENT SMT COMPONENTS.
1. THIS DRAWING USED IN CONJUNCTION WITH ASSEMBLY WP-002451-00

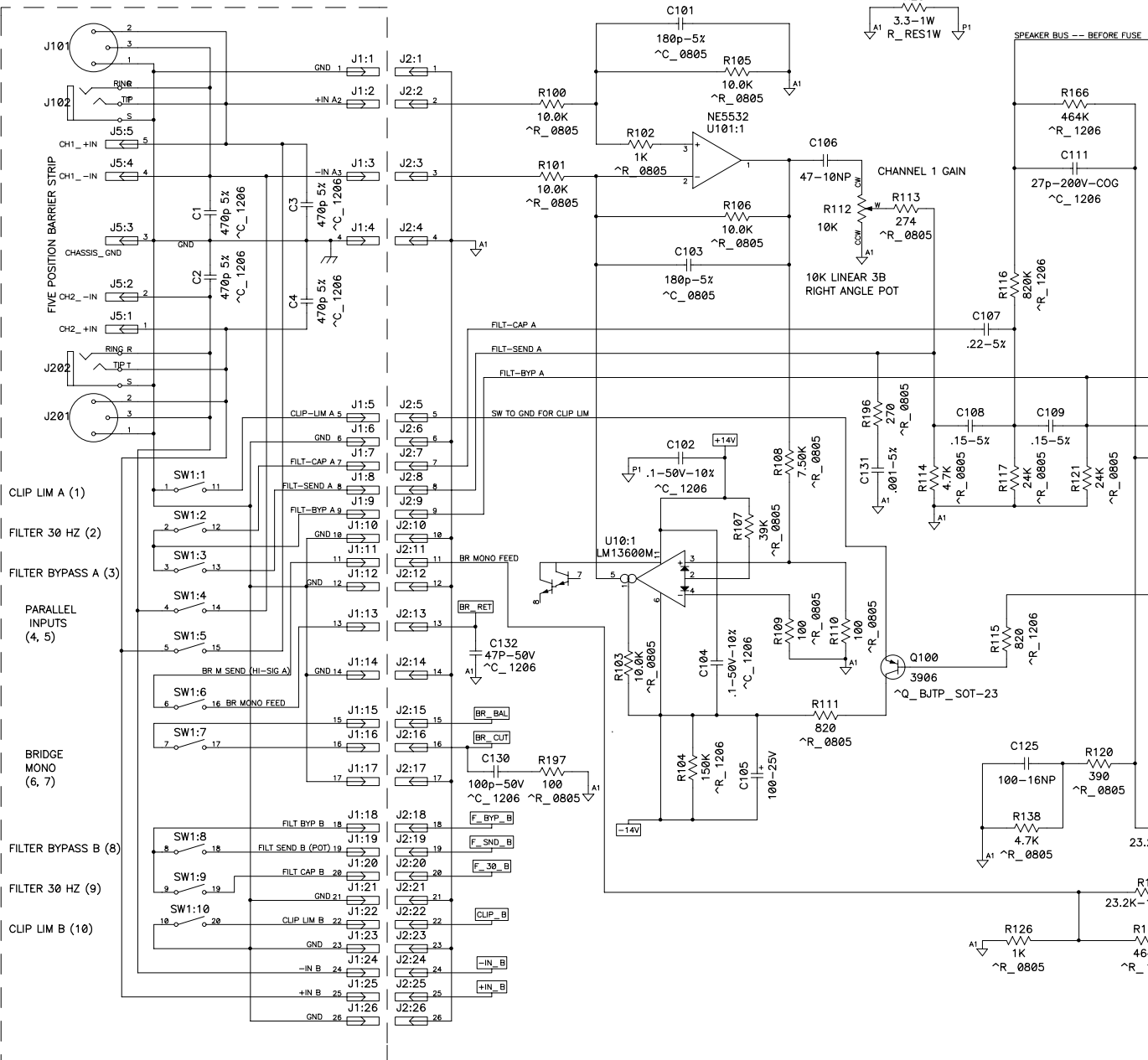
NOTES: UNLESS OTHERWISE SPECIFIED

QTY		ITEM NO.		PART NO.		DESCRIPTION		VENDOR	
PARTS LIST									
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. DIMENSIONS PER ANSI Y14.45-1982 TOLERANCES ARE: DECIMALS DECIMALS ANGLES .XX ± .XXX ± 0				CONTRACT NO.		 AUDIO PRODUCTS, INC. COSTA MESA, CALIFORNIA			
DEBURR EDGES .XXX R MAX MATERIAL				APPROVALS		DATE		SCHEMATIC DIAGRAM RMX 2450	
				DRAWN PAT QUILTER		2-25-00			
				CHECKED					
FINISH				ISSUED		SIZE D		FSCM NO.	
NEXT ASSY				USED ON		DWG NO.		SH-002451-00	
APPLICATION				DO NOT SCALE DRAWING		CAD SEED FILE NO.		PLOT DATE: Fri May 05, 2000	
3				2		SCALE NONE		CAD FILE NO. SH2451R4.sch	
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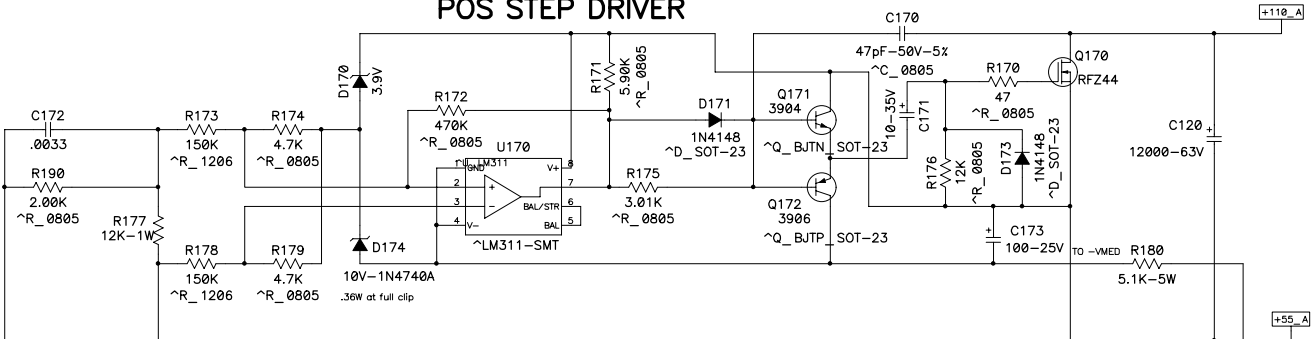
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26-LINE RIBBON CABLE
CONNECTS BREAKAWAY
INPUT PCB TO MAIN PCB

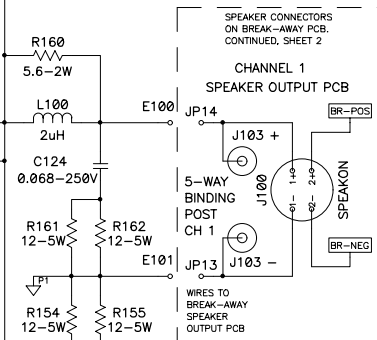
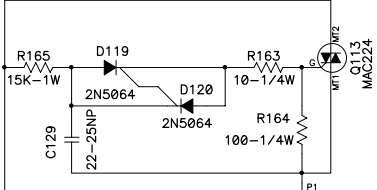
CHANNEL-1



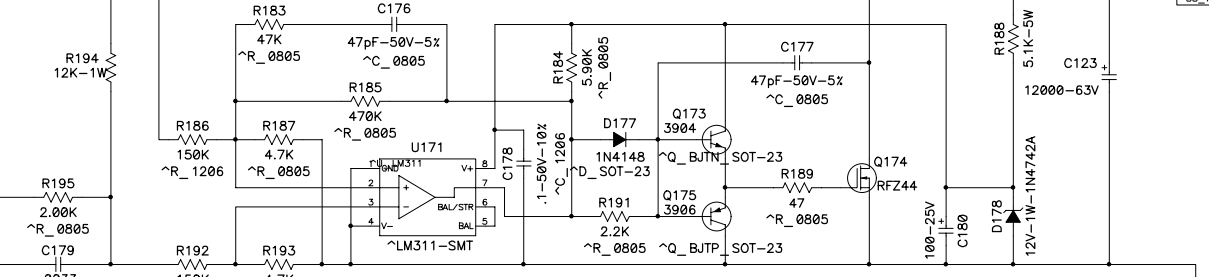
POS STEP DRIVER



DC FAULT PROTECTION



NEG STEP DRIVER



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POS STEP DRIVER

CHANNEL-2

DC FAULT PROTECTION

NEG STEP DRIVER

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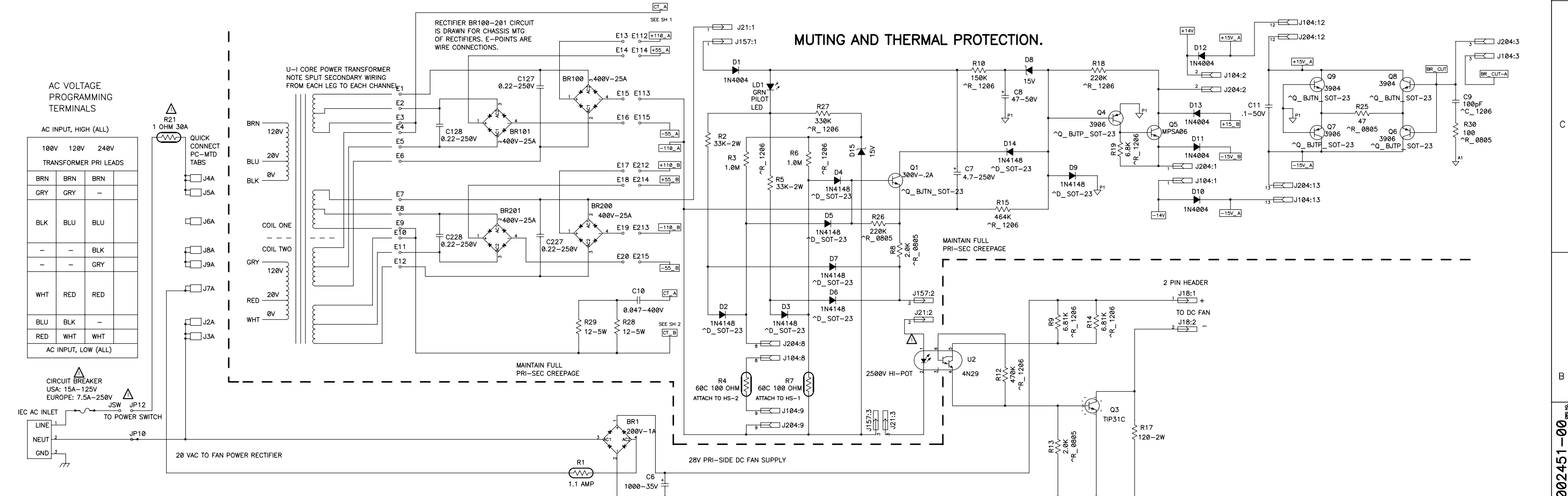
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NOTES: UNLESS OTHERWISE SPECIFIED

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11. ZENER TOLERANCE IS 5%
10. SMT CAPACITOR VOLTAGE IS 50V
9. SMT RESISTOR WATTAGE RATING IS 0.1W
8. RESISTOR WATTAGE RATING IS 1/4W
FOR RESISTOR WATTAGE RATINGS GREATER THAN 1W, TOLERANCE IS 5%
FOR RESISTOR WATTAGE RATINGS LESS THAN 1/2W, TOLERANCE IS 1%
7. THROUGH-HOLE FILM AND CERAMIC CAPACITOR TOLERANCE IS 10%, VOLTAGE IS 100V
6. ELECTROLYTIC CAPACITOR TOLERANCE IS 20%
5. J104, J204 ARE CONNECTED PIN TO PIN BY 13-LINE RIBBON CABLE.
4. PART NUMBERING SCHEME
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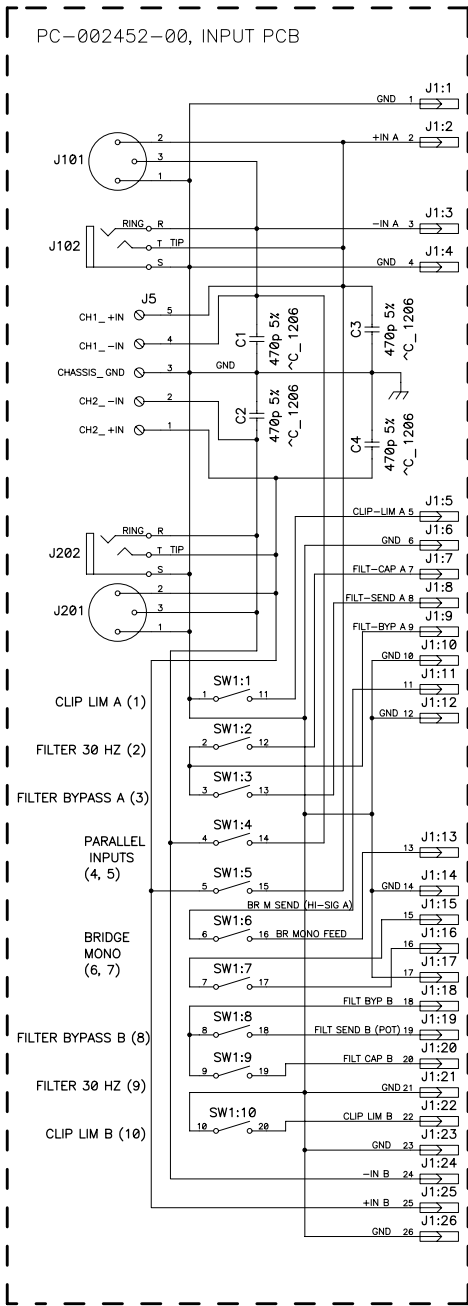
REVISION				
REV	DESCRIPTION	EFF. DATE	CHK	APPROVED / DATE
A	PRODUCTION RELEASE PER ECO 4676 AA	9-26-01		DD 11-20-01
B	REVISED PER ECO 4820 AA	4-08-02		DD
C	REVISED PER ECO 4844 AA	4-08-02		DD
D	REVISED PER ECO 4849 AA	7-10-02		DD
E	REVISED PER ECO 4893 AA	4-25-03		DD
F	REVISED PER ECO 5958 AA	12-15-03		

QTY		ITEM NO.	PART NO.	DESCRIPTION		VENDOR	
PARTS LIST							
				UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. DIMENSIONS PER ANSI Y14.5-1982 TOLERANCES ARE: DECIMALS DECIMALS ANGLES .XX ± .XXX ± 0 DEBURR EDGES .XXX R MAX MATERIAL		CONTRACT NO.	
				FINISH		ISSUED D. DELARM 12-12-01	
WP-002451-00		RMX 2450		NEXT ASSY		USED ON	
APPLICATION		DO NOT SCALE DRAWING		CAD SEED FILE NO.		PLOT DATE: Tue Dec 16, 2003	
				APPROVALS		DATE	
				DRAWN PQ		2-25-00	
				CHECKED A. ARANDA		9-26-01	
				SIZE		FSCM NO.	
				D		D	
				SCALE NONE		CAD FILE NO. SH2451rF.SCH	
				SHEET 1 OF 4		REV F	

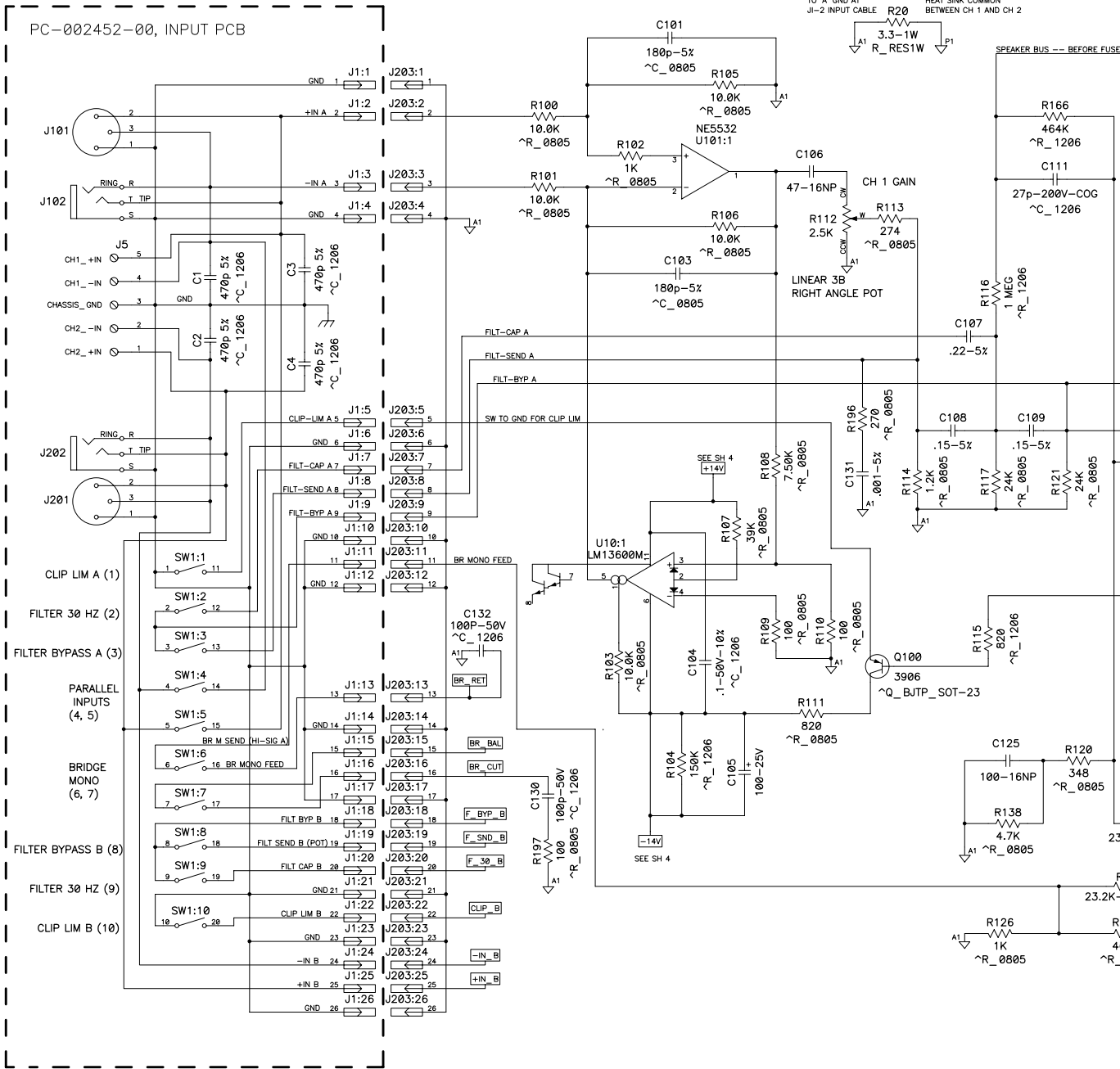
 **AUDIO PRODUCTS, INC.**
COSTA MESA, CALIFORNIA

SCHEMATIC DIAGRAM
RMX 2450
SH-002451-00

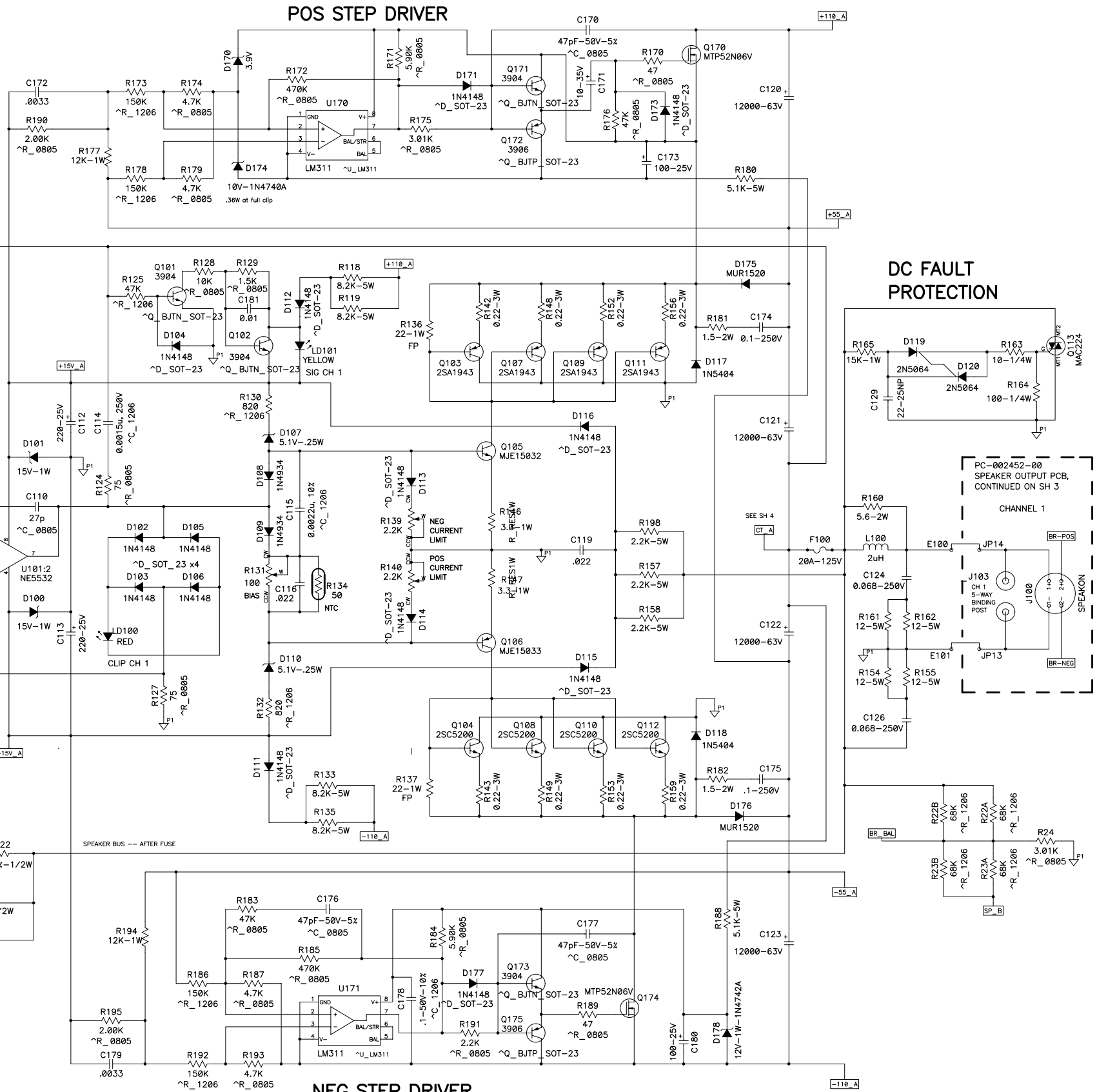
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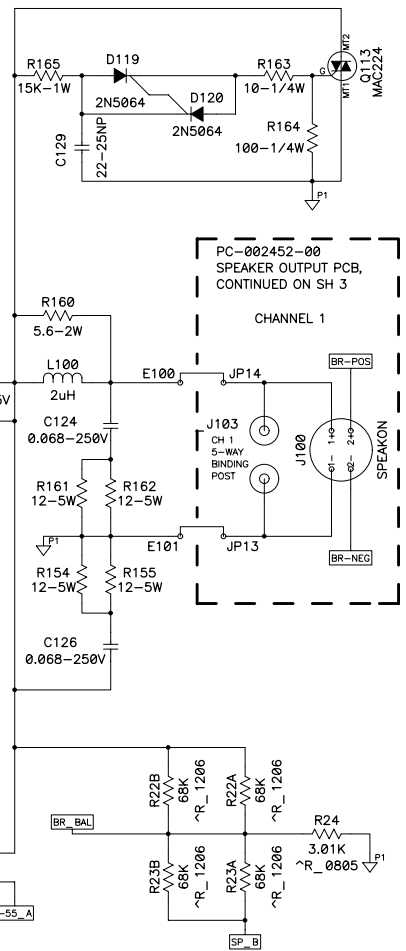
CHANNEL-1



POS STEP DRIVER



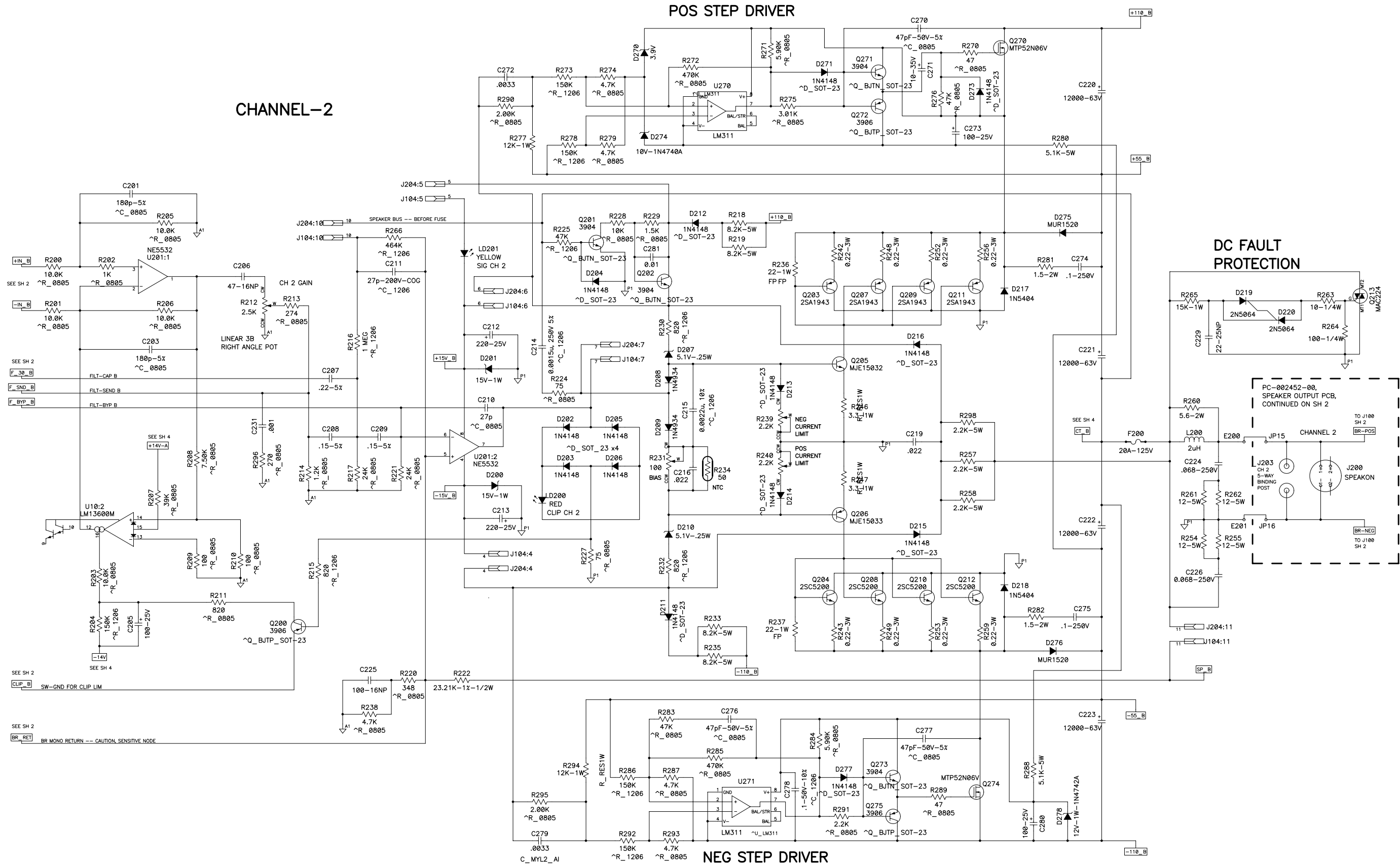
DC FAULT PROTECTION



NEG STEP DRIVER

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SIZE	FSCM NO.	DWG NO.	REV
D		SH-002451-00	F
SCALE	NONE	CAD FILE NO. SH2451rF.SCH	SHEET 3 OF 4
PLOT DATE:		Tue Dec 16, 2003	1

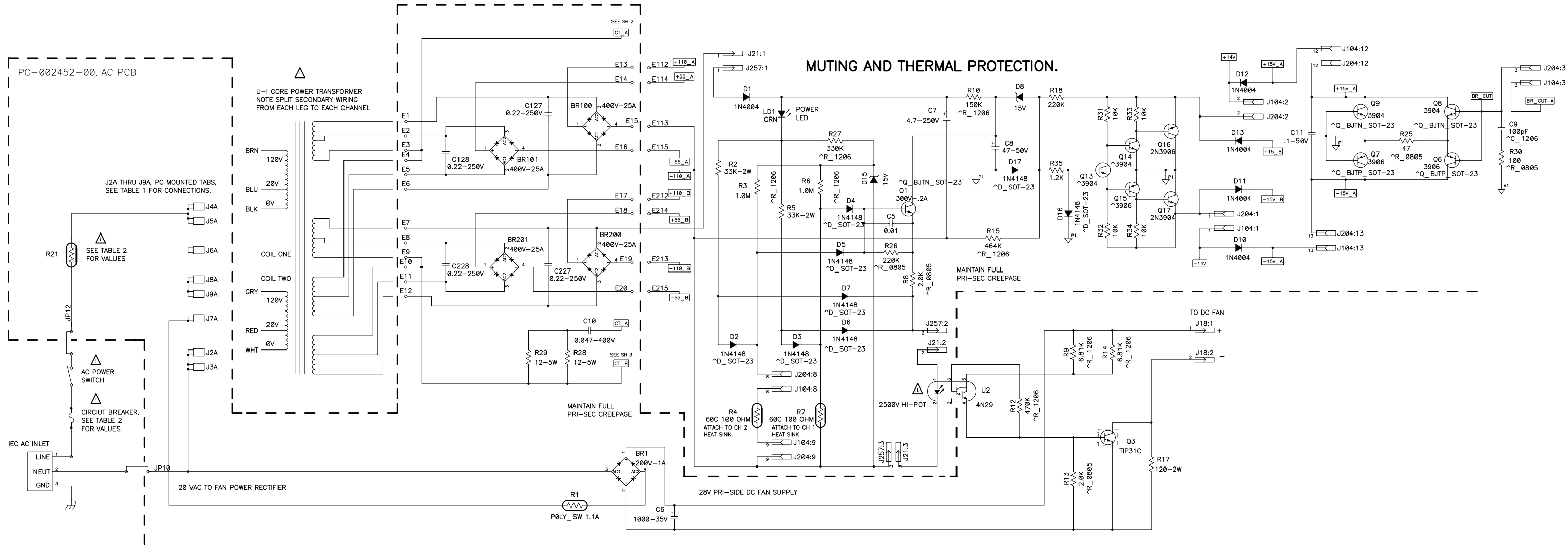


TABLE 1				
TAB	AC LINE VOLTAGE			
	100V	120V	240V	
J2A	BLU	BLK	--	POWER TRANSFORMER PRIMARY LEAD COLOR
J3A	RED	WHT	WHT	
J4A	BRN	BRN	BRN	
J5A	GRY	GRY	--	
J6A	BLK	BLU	BLU	
J7A	WHT	RED	RED	
J8A	--	--	BLK	
J9A	--	--	GRY	
J10A	--	--	--	

TABLE 2			
	AC LINE VOLTAGE		
	100V	120V	240V
CIRCUIT BREAKER	15A-125V	15A-125V	7.5A-250V
R21	1 OHM 30A	1 OHM 30A	1 OHM 30A