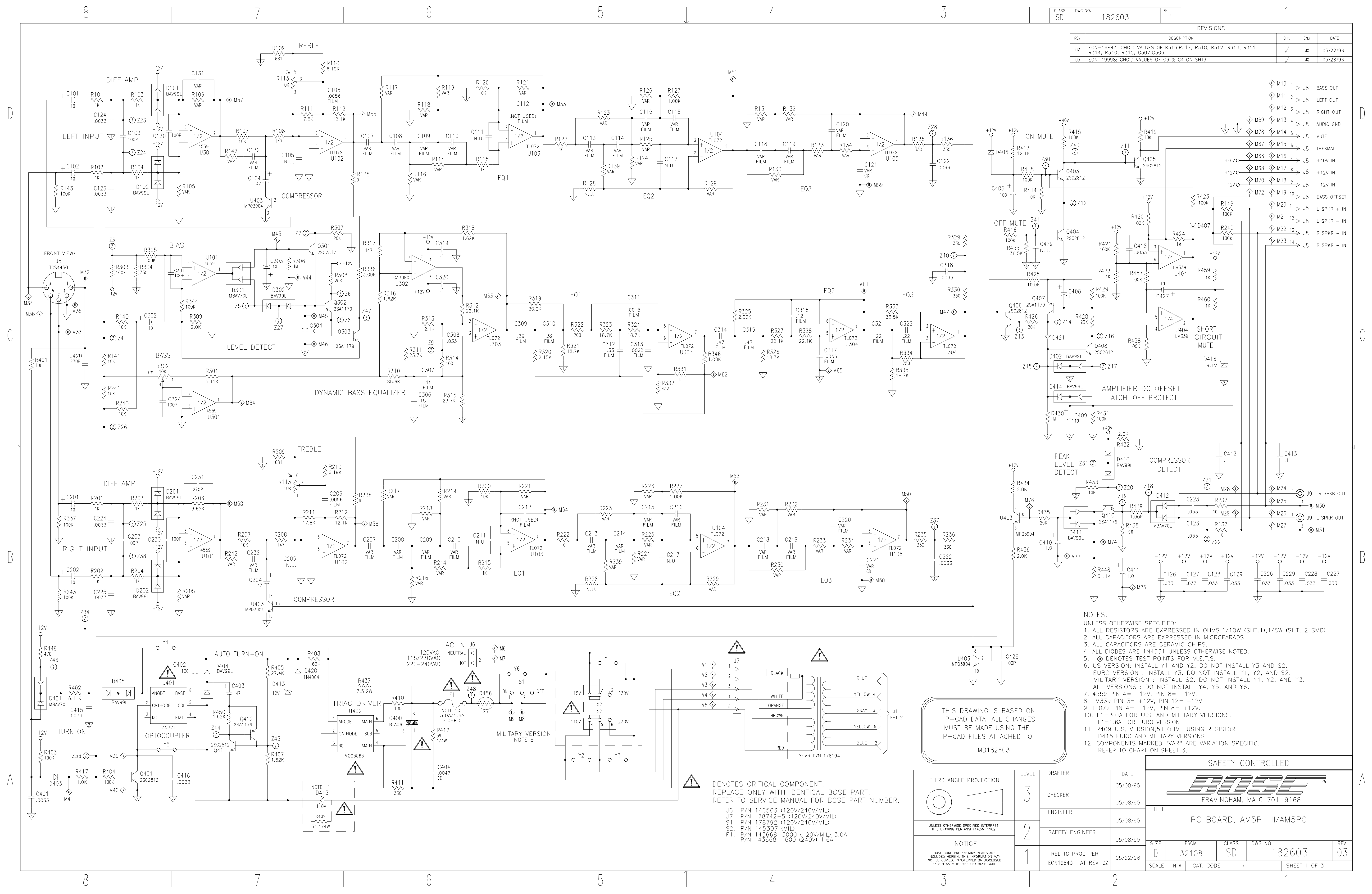




CLASS		DWG NO.	SD	182603	SH	1	REVISIONS		
REV	DESCRIPTION				CHK	ENG	DATE		
02	ECN-19843: CHG'D VALUES OF R316,R317, R318, R312, R313, R311 R314, R310, R315, C307,C306.				✓	MC	05/22/96		
03	ECN-19998: CHG'D VALUES OF C3 & C4 ON SHT3.				✓	MC	05/28/96		

- NOTES:
- UNLESS OTHERWISE SPECIFIED:
1. ALL RESISTORS ARE EXPRESSED IN OHMS.1/10W (SHT.1),1/8W (SHT. 2 SMD)
 2. ALL CAPACITORS ARE EXPRESSED IN MICROFARADS.
 3. ALL CAPACITORS ARE CERAMIC CHIPS.
 4. ALL DIODES ARE 1N4531 UNLESS OTHERWISE NOTED.
 5. $\diamond$ DENOTES TEST POINTS FOR M.E.T.S.
 6. US VERSION: INSTALL Y1 AND Y2. DO NOT INSTALL Y3 AND S2.
 7. 4559 PIN 4= -12V, PIN 8= +12V.
 8. LM339 PIN 3= +12V, PIN 12= -12V.
 9. TL072 PIN 4= -12V, PIN 8= +12V.
 10. F1=3.0A FOR U.S. AND MILITARY VERSIONS.
 11. R409 U.S. VERSION,51 OHM FUSING RESISTOR
 12. COMPONENTS MARKED "VAR" ARE VARIATION SPECIFIC.
- REFER TO CHART ON SHEET 3.

THIS DRAWING IS BASED ON P-CAD DATA. ALL CHANGES MUST BE MADE USING THE P-CAD FILES ATTACHED TO MD182603.

DENOTES CRITICAL COMPONENT.
REPLACE ONLY WITH IDENTICAL BOSE PART.
REFER TO SERVICE MANUAL FOR BOSE PART NUMBER.

- J6: P/N 146563 (120V/240V/MIL)
J7: P/N 178742-S (120V/240V/MIL)
S1: P/N 178792 (120V/240V/MIL)
S2: P/N 145307 (MIL)
F1: P/N 143668-3000 (120V/MIL) 3.0A
P/N 143668-1600 (240V) 1.6A

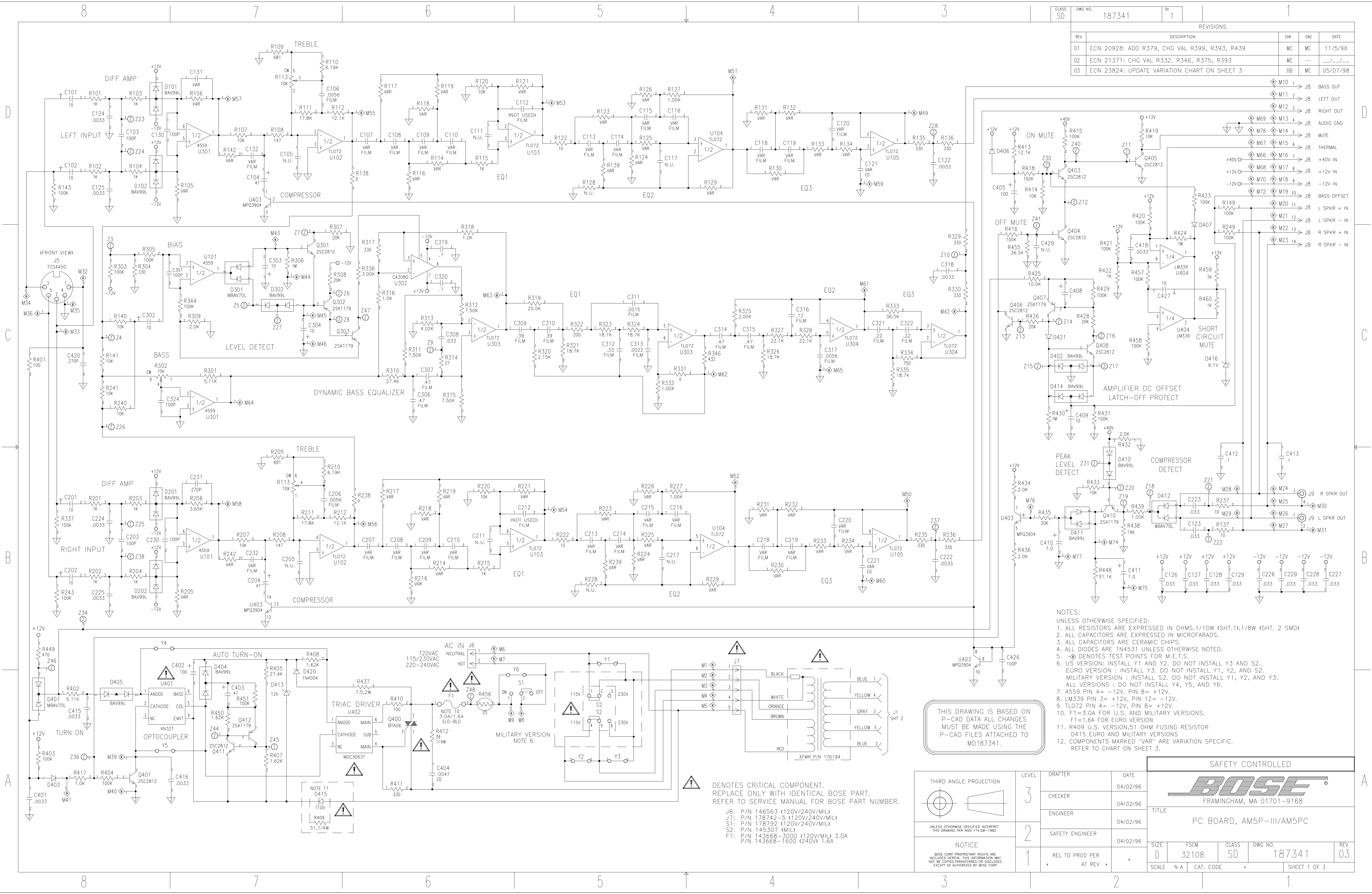
THIRD ANGLE PROJECTION				LEVEL	DRAFTER	DATE
				3	CHECKER	05/08/95
				2	ENGINEER	05/08/95
				1	SAFETY ENGINEER	05/08/95
UNLESS OTHERWISE SPECIFIED INTERPRET THIS DRAWING PER ANSI Y14.5M-1982				REL TO PROD PER	ECN19843	AT REV 02
NOTICE				BOSE CORP PROPRIETARY RIGHTS ARE INCLUDED HEREIN. THIS INFORMATION MAY NOT BE COPIED, TRANSFERRED OR DISCLOSED EXCEPT AS AUTHORIZED BY BOSE CORP		

SAFETY CONTROLLED				
FRAMINGHAM, MA 01701-9168				
TITLE				
PC BOARD, AM5P-III/AM5PC				
SIZE	FSCM	CLASS	DWG NO.	REV
D	32108	SD	182603	03
SCALE	N A	CAT. CODE	SHEET 1 OF 3	

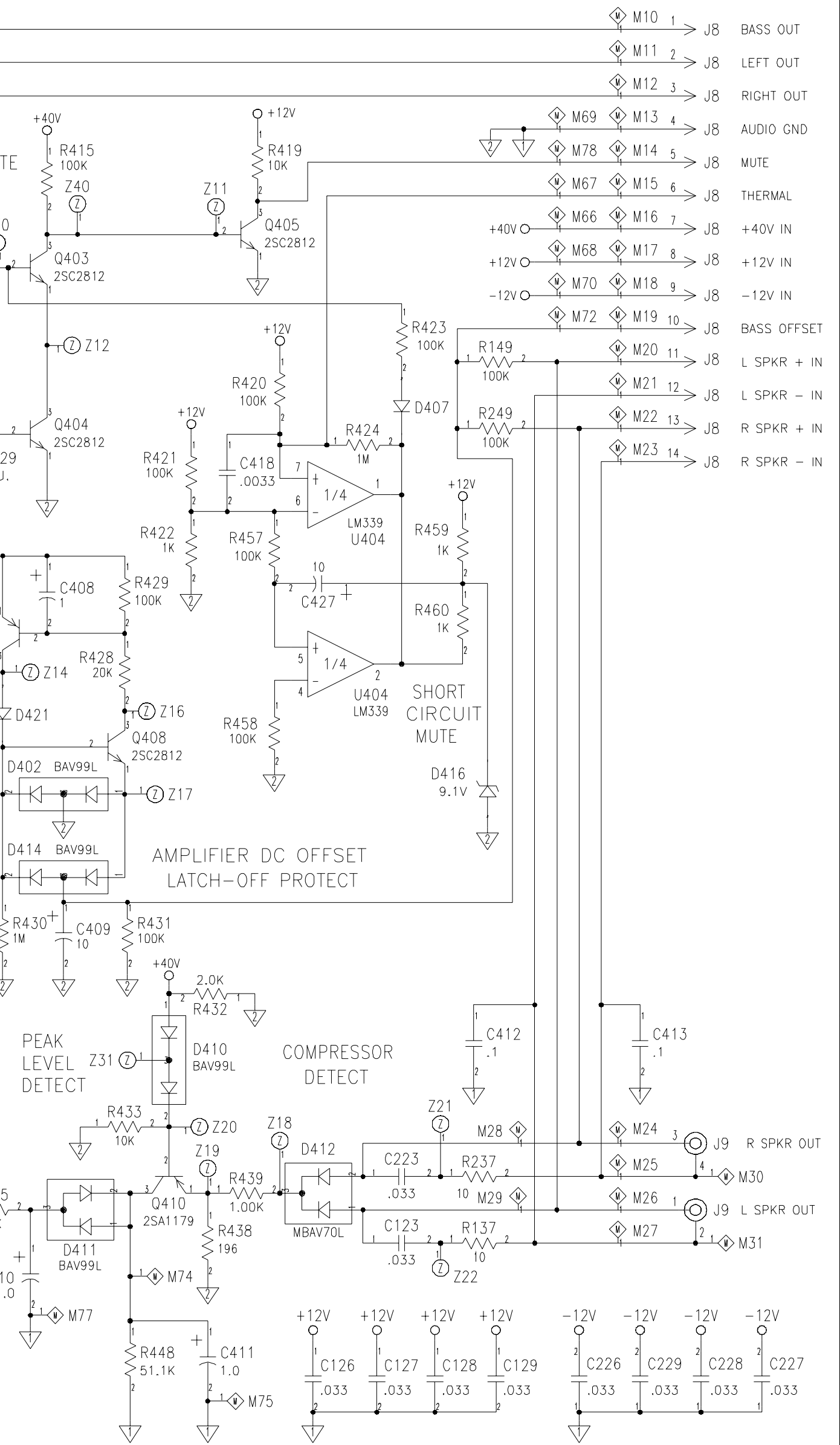


COMPONENT VALUE VARIATION CHART		
COMPONENT	AM-5PIII	AM-5PC
C106, C206	.0082uF	.0056uF
C107, C207	.12uF	.082uF
C108, C208	.12uF	.082uF
C109, C209	.027uF	.047uF
C110, C210	.027uF	.047uF
C113, C213	.027uF	.015uF
C114, C214	.027uF	.015uF
C115, C215	.082uF	.0068uF
C116, C216	.082uF	.0068uF
C118, C218	.047uF	.068uF
C119, C219	.047uF	.068uF
C120, C220	.0082uF	.0047uF
C121, C221	.0022uF	270pF
C124, C224	.0033uF	OPEN
C125, C225	.0033uF	OPEN
C131, C231	270pF	100pF
C132, C232	OPEN	.0018uF
R105, R205	3.65K	7.32K
R106, R206	3.65K	7.32K
R108, R208	147 OHM	147 OHM
R114, R214	7.50K	22.1K
R116, R216	7.15K	51.1K
R117, R217	6.81K	1.50K
R118, R218	1.00K	121K
R119, R219	1.21K	2.00K
R121, R221	10.0K	JUMPER
R123, R223	16.9K	73.2K
R124, R224	13.3K	27.4K
R125, R225	10.0K	14.7K
R126, R226	36.5K	OPEN
R127, R227	1.00K	5.11K
R128, R228	OPEN	2.43K
R129, R229	10 OHM	340 OHM
R130, R230	5.11K	1.30K
R131, R231	OPEN	1.00K
R132, R232	196 OHM	1.50K
R133, R233	2.26K	10.0K
R134, R234	2.26K	10.0K
R139, R239	1.00K	1.50K
R142, R242	OPEN	10.0K
R111, R211	12.1K	17.8K
R112, R212	8.25K	12.1K

THIS DRAWING IS BASED ON
P-CAD DATA. ALL CHANGES
MUST BE MADE USING THE
P-CAD FILES ATTACHED TO
MD182603.



CLASS		DWG NO.	SN	REVISIONS		
SD		187341	1	REV	DESCRIPTION	CHK
				01	ECN 20928: ADD R379, CHG VAL R399, R393, R439	MC
				02	ECN 21371: CHG VAL R332, R346, R375, R393	MC
				03	ECN 23824: UPDATE VARIATION CHART ON SHEET 3	DB
					ENG	DATE



- NOTES:
1. ALL RESISTORS ARE EXPRESSED IN OHMS, 1/10W (SHT.1), 1/8W (SHT. 2 SMD)
 2. ALL CAPACITORS ARE EXPRESSED IN MICROFARADS.
 3. ALL CAPACITORS ARE CERAMIC CHIPS.
 4. ALL DIODES ARE 1N4531 UNLESS OTHERWISE NOTED.
 5. - denotes TEST POINTS FOR M.E.T.S.
 6. US VERSION: INSTALL Y1 AND Y2. DO NOT INSTALL Y3 AND S2.
 7. 4559 PIN 4 = -12V, PIN 8 = +12V.
 8. LM339 PIN 3 = +12V, PIN 12 = -12V.
 9. TL072 PIN 4 = -12V, PIN 8 = +12V.
 10. F1=3.0A FOR U.S. AND MILITARY VERSIONS.
 11. F1=1.6A FOR EURO VERSION
 12. R415 U.S. VERSION, 51 OHM FUSING RESISTOR
 13. R415 EURO AND MILITARY VERSIONS
 14. COMPONENTS MARKED "VAR" ARE VARIATION SPECIFIC. REFER TO CHART ON SHEET 3.

THIS DRAWING IS BASED ON P-CAD DATA ALL CHANGES MUST BE MADE USING THE P-CAD FILES ATTACHED TO MD187341.

THIRD ANGLE PROJECTION	LEVEL	DRAFTER	DATE
	3	CHECKER	04/02/96
	2	ENGINEER	04/02/96
	1	SAFETY ENGINEER	04/02/96
UNLESS OTHERWISE SPECIFIED INTERPRET THIS DRAWING PER ANSI Y14.5M-1982			
NOTICE			
BOSE CORP PROPRIETARY RIGHTS ARE INCLUDED HEREIN. THIS INFORMATION MAY NOT BE COPIED, TRANSFERRED OR DISCLOSED EXCEPT AS AUTHORIZED BY BOSE CORP			
REL TO PROD PER AT REV			

SAFETY CONTROLLED				
FRAMINGHAM, MA 01701-9168				
TITLE				
PC BOARD, AM5P-III/AM5PC				
SIZE	FSCM	CLASS	DWG NO.	REV
D	32108	SD	187341	03
SCALE	N/A	CAT. CODE	SHEET 1 OF 3	

REPLACE ONLY WITH IDENTICAL BOSE PART. REFER TO SERVICE MANUAL FOR BOSE PART NUMBER.

- J6: P/N 146563 (120V/240V/MIL)
J7: P/N 178742-5 (120V/240V/MIL)
S1: P/N 178792 (120V/240V/MIL)
S2: P/N 145307 (MIL)
F1: P/N 143668-3000 (120V/MIL) 3.0A
P/N 143668-1600 (240V) 1.6A

115V/230VAC 220-240VAC

NOTE 10 3.0A/1.6A SLO-BLO

NOTE 11 D415 110V

NOTE 12 R415 51.1K



COMPONENT VALUE VARIATION CHART		
COMPONENT	AM – 5P111	AM – 5PC
C106, C206	.0082uF	.0056uF
C107, C207	.12uF	.082uF
C108, C208	.12uF	.082uF
C109, C209	.027uF	.047uF
C110, C210	.027uF	.047uF
C113, C213	.027uF	.015uF
C114, C214	.027uF	.015uF
C115, C215	.082uF	.0068uF
C116, C216	.082uF	.0068uF
C118, C218	.047uF	.068uF
C119, C219	.047uF	.068uF
C120, C220	.0082uF	.0047uF
C121, C221	.0022uF	270pF
C124, C224	.0033uF	0PEN
C125, C225	.0033uF	0PEN
C131, C231	270pF	100pF
C132, C232	0PEN	.0018uF
R105, R205	7.50K	7.32K
R106, R206	7.50K	7.32K
R114, R214	7.50K	22.1K
R116, R216	7.15K	51.1K
R117, R217	6.81K	1.50K
R118, R218	1.00K	121K
R119, R219	1.21K	2.00K
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R125, R225	10.0K	14.7K
R126, R226	36.5K	0PEN
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R128, R228	0PEN	2.43K
R129, R229	10 OHM	340 OHM
R130, R230	5.11K	1.30K
R131, R231	0PEN	1.00K
R132, R232	196 OHM	1.50K
R133, R233	2.26K	10.0K
R134, R234	2.26K	10.0K
R139, R239	1.00K	1.50K
R142, R242	0PEN	10.0K

THIS DRAWING IS BASED ON
P-CAD DATA ALL CHANGES
MUST BE MADE USING THE
P-CAD FILES ATTACHED TO
MD187341.

