

AUDIO AMPLIFIER

MODEL M124

DESIGNED AND MANUFACTURED
BY
WARD-BECK SYSTEMS LIMITED
841 PROGRESS AVENUE
SCARBOROUGH, ONTARIO.

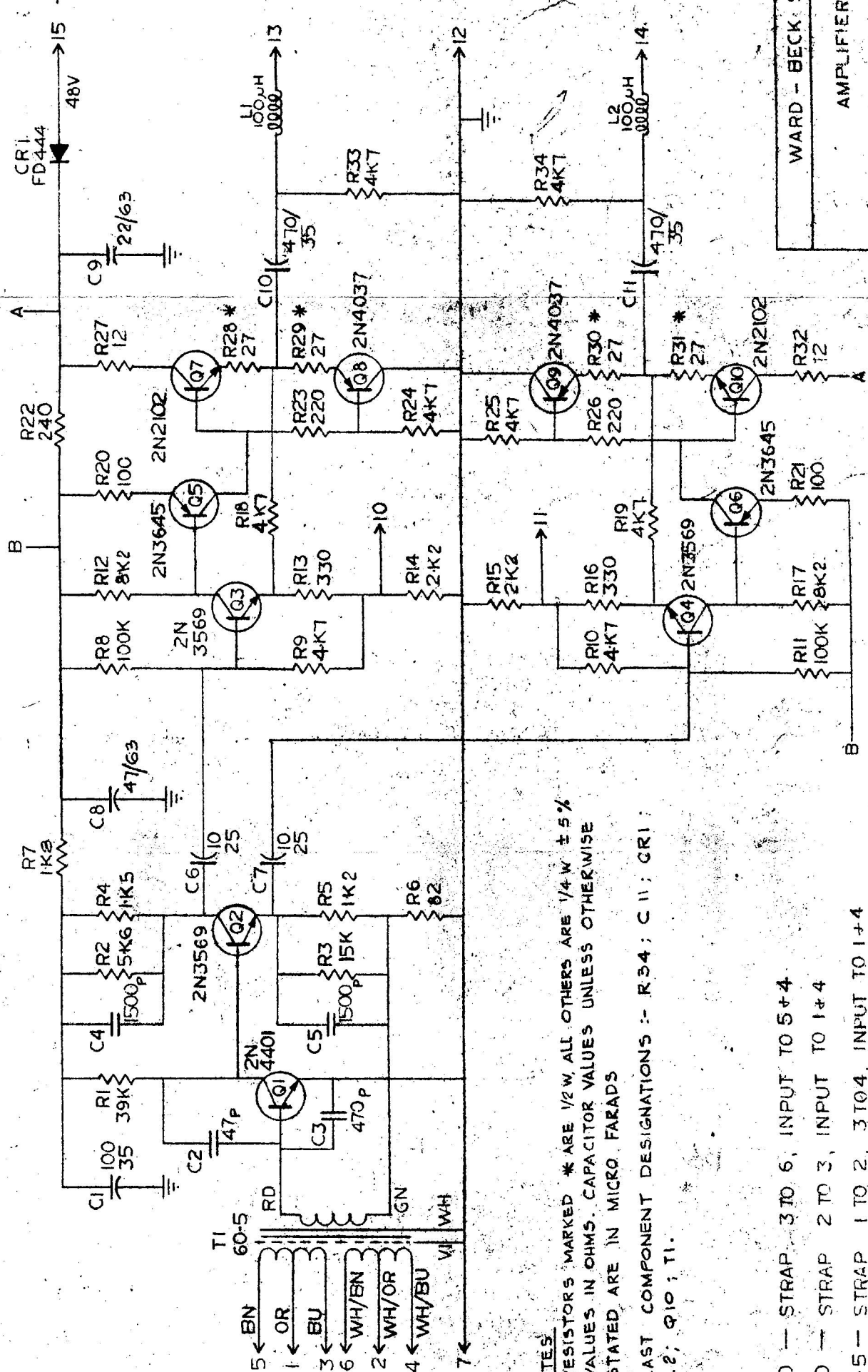
(416) 438-6550

REPLACEABLE PARTS
M124

SYMBOL	DESCRIPTION	MFG.	PART NUMBER
C1	Capacitor 100 mfd 35V	Seimens	EB100/35
C2	" 47 pfd	Erie	8121-100-COG0-470K
C3	" 470 pfd 100V	Erie	8111-100-W5R0-471K
C4	" 1500 pfd 100V	"	8121-100-W5R0-152K
C5	" 1500 pfd 100V	"	8121-100-W5R0-152K
C6	" 10 mfd 25V	Kemet	T362-B106-025AS
C7	" 10 mfd 25V	"	T362-B106-025AS
C8	" 47 mfd 63V	Seimens	EB 47/63
C9	" 22 mfd 63V	"	EB 22/63
C10	" 470 mfd 35V	"	EB 470/35
C11	" 470 mfd 35V	"	EB 470/35
CR1	Diode Silicon	Fairchild	FD 444
	Module Extractor	Birtcher	60-1-2
J1	Connector	Elco	00-6007-015-940-001
PC	Printed Circuit Card	WBS	124
L1	Inductor 100 uh	Nytronics	PC 100
L2	" 100 uh	"	PC 100
Q1	Transistor Silicon NPN	Motorola	2N4401
Q2	" " "	Fairchild	2N3569
Q3	" " "	Fairchild	2N3569
Q4	" " "	"	2N3569
Q5	" " PNP	"	2N3645
Q6	" " "	"	2N3645
Q7	" " NPN	R.C.A.	2N2102
Q8	" " PNP	"	2N4037
Q9	" " "	"	2N4037
Q10	" " NPN	"	2N2102
R1	Resistor 39K ohm	Philips or	Allen Bradley. All resistors $\frac{1}{4}$ W 5% unless otherwise specified.
R2	5K6		
R3	15K		
R4	1K5		
R5	1K2		
R6	82		
R7	1K8		
R8	100K		
R9	4K7		
R10	4K7		

REPLACEABLE PARTS
M124

<u>SYMBOL</u>	<u>DESCRIPTION</u>	<u>MFG.</u>	<u>PART NUMBER</u>
R11	Resistor	100K ohm	Philips or
R12		8K2	Allen Bradley. All resistors $\frac{1}{4}$ w
R13		330	5% unless otherwise
R14		2K2	specified.
R15		2K2	
R16		330	
R17		8K2	
R18		4K7	
R19		4K7	
R20		100	
R21		100	
R22		240	
R23		220	
R24		4K7	
R25		4K7	
R26		220	
R27		12	
R28		27 $\frac{1}{2}$ w	
R29		27 $\frac{1}{2}$ w	
R30		27 $\frac{1}{2}$ w	
R31		27 $\frac{1}{2}$ w	
R32		12	
R33		4K7	
R34		4K7	
T1	Transformer Input	WBS	60-5

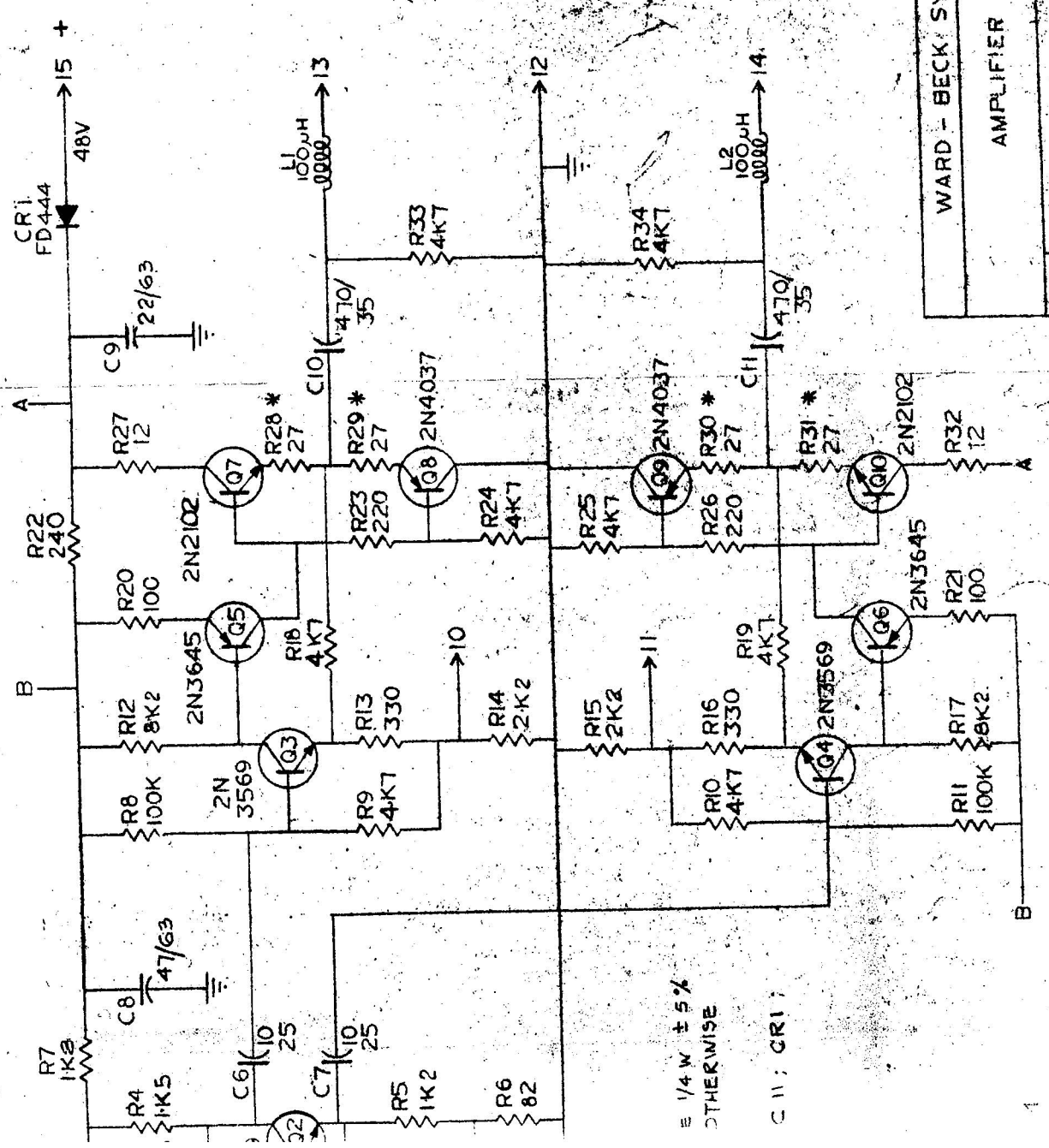


NOTES
 1 RESISTORS MARKED * ARE 1/2 W. ALL OTHERS ARE 1/4 W. ± 5% VALUES IN OHMS. CAPACITOR VALUES UNLESS OTHERWISE STATED ARE IN MICRO FARADS
 2 LAST COMPONENT DESIGNATIONS :- R34; C11; CR1; L2; Q10; T1.

600 — STRAP 3 TO 6, INPUT TO 5 + 4.
 150 — STRAP 2 TO 3, INPUT TO 1 + 4
 37.5 — STRAP 1 TO 2, 3 TO 4, INPUT TO 1 + 4

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 AMPLIFIER
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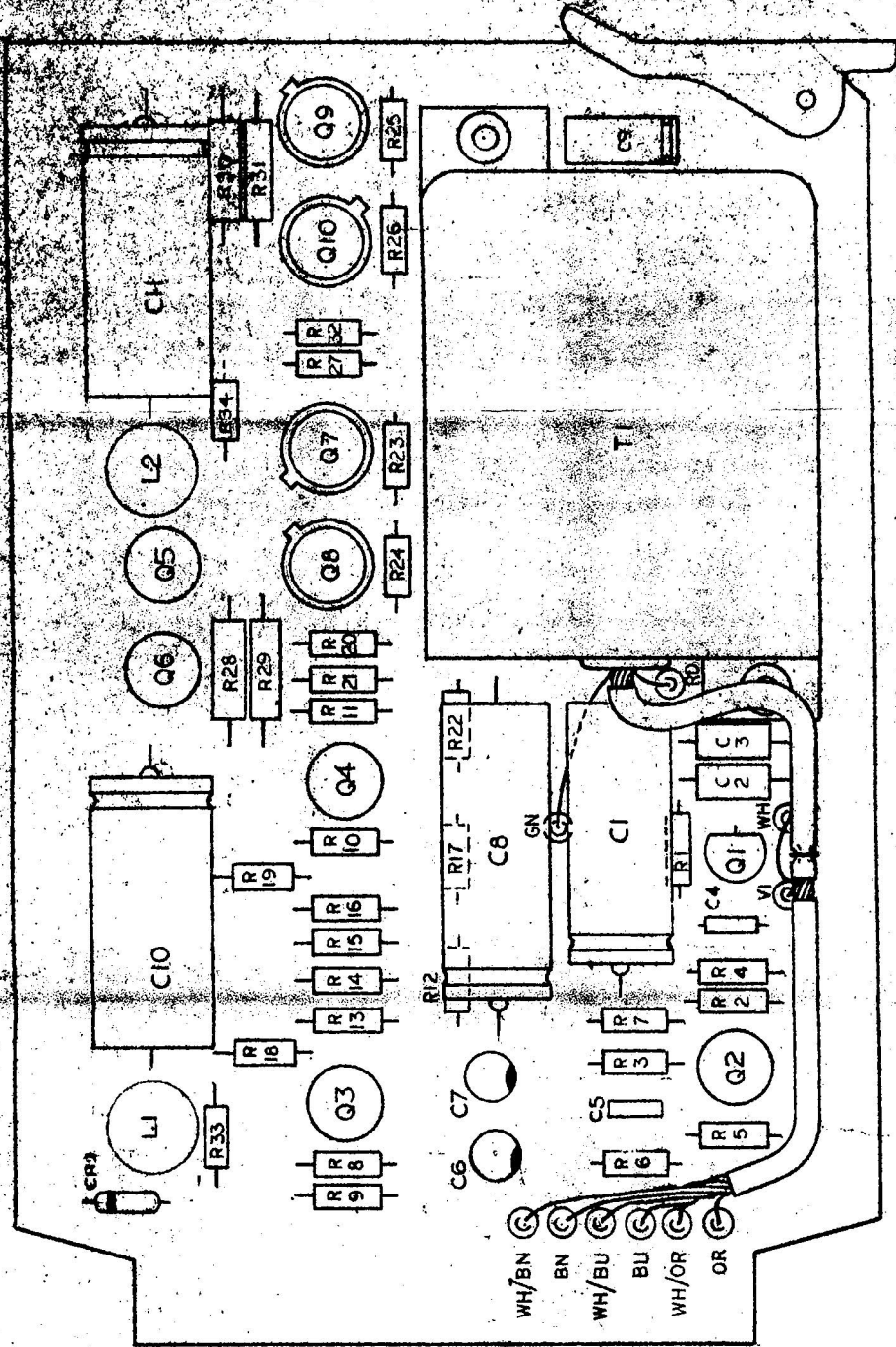
UT
 ING



± 1/4 W ± 5%
OTHERWISE

C 11 ; CR 1

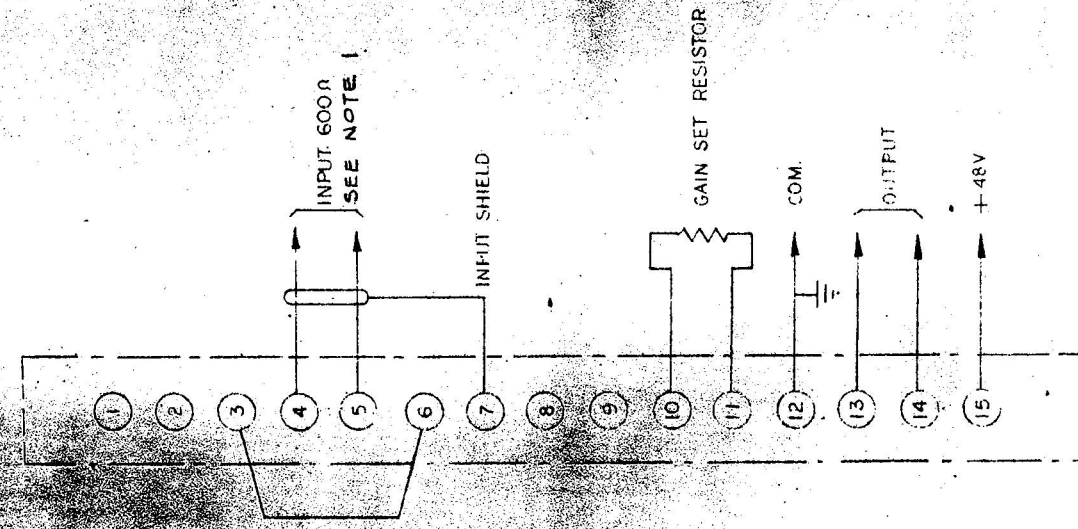
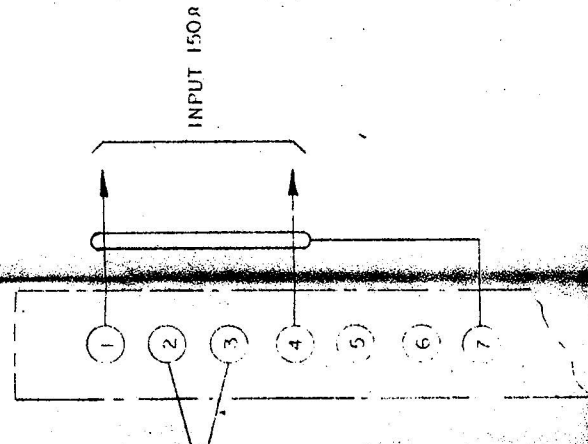
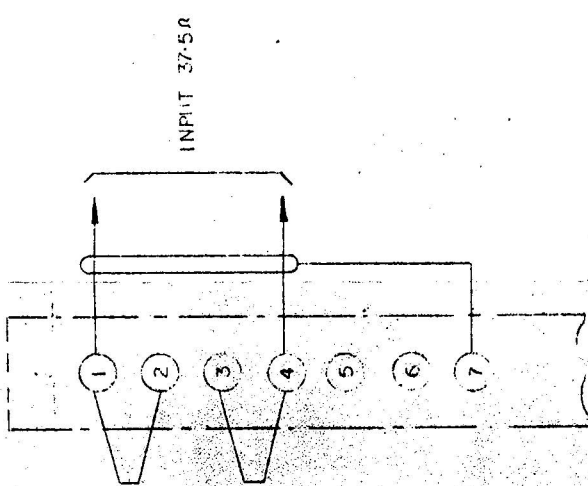
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AMPLIFIER M124	
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WARD BECK SYSTEMS LTD

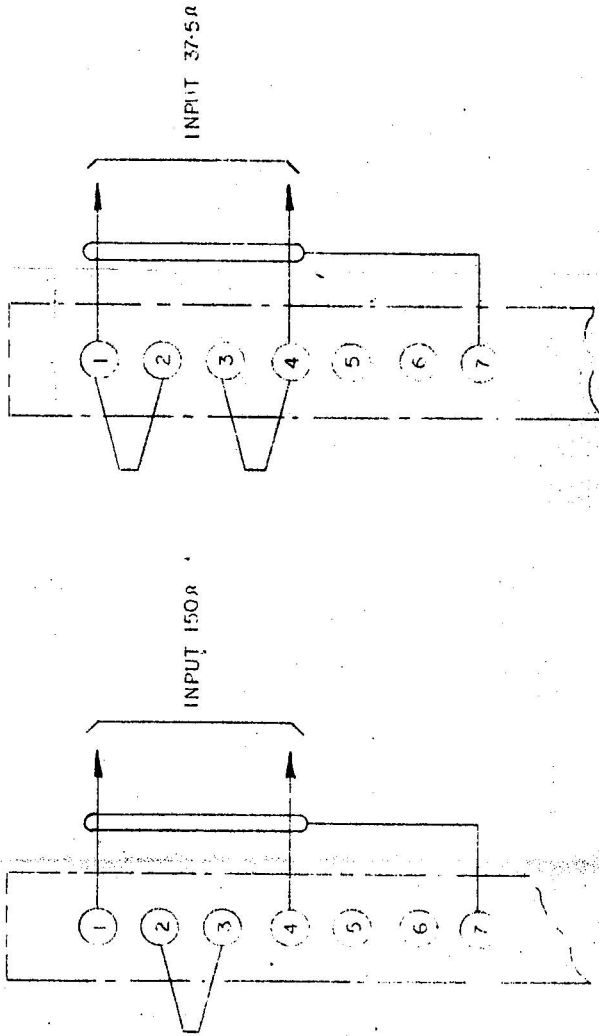
COMPONENT LAYOUT
AMPLIFIER M124

R 124-06-001



NOTES
 1. DUE TO TRANSFORMER PHASE REVERSAL ON 600Ω STRAPPING, PIN 5 IS CONSIDERED LOW NUMBER AND PIN 4 IS CONSIDERED HIGH NUMBER.
 IT IS ADVISABLE TO SLEEVE THE +48V RUN TO PIN 15

DRN	C. S. O'CONNELL	FINISH	WARD-BECK SYSTEMS LTD.	
DATE	AUG - 68	MATERIAL	M124 CONNECTOR	
CHKD	<i>[Signature]</i>		WIRING	
SCALE			B	124-09-001
TOLS		FRACT. ± 1/64 DEC. TO PLACES GIVEN. ANGLES ± 1/2° MIN. BEND RAD. UNLESS SPECIFIED		ISS.



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M124 CONNECTOR
 WIRING