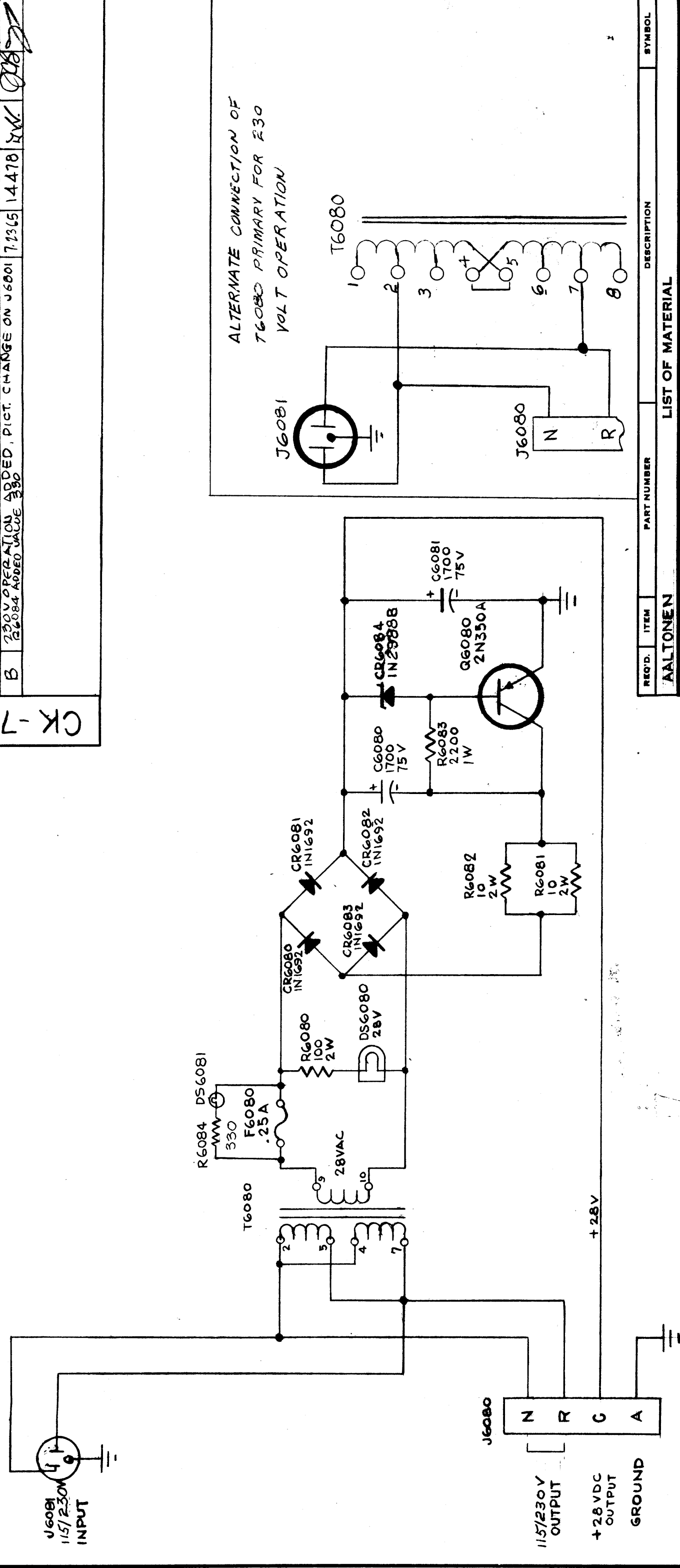
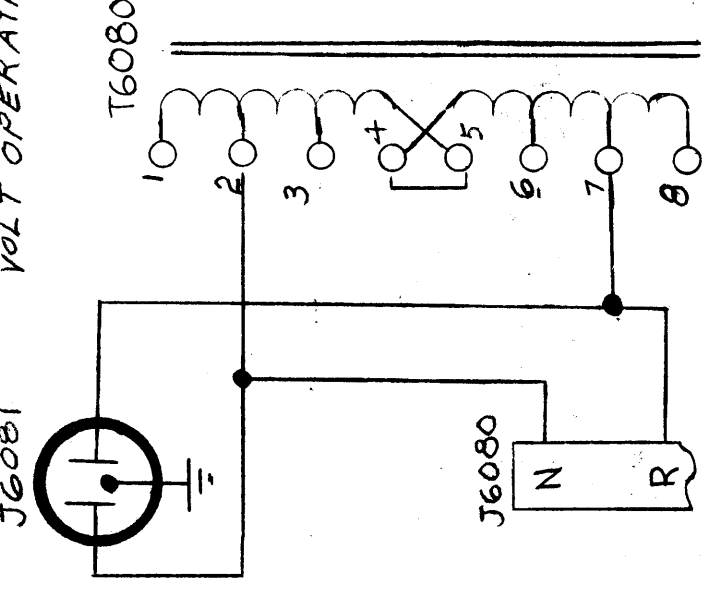


REVISIONS			
SYM	DESCRIPTION	DATE	E.M.N. NO.
X	EXPERIMENTAL RELEASE	3.20.64	
O	ORIGINAL RELEASE FOR PRODUCTION	4.20.64	
A	ON T6080 PIN 7 WAS PIN 1 ON F6080 - R6084 & DS6081 ADDED	7.23.64	11926
B	230V OPERATION ADDED. PICT. CHANGE ON J6001 R6084 ADDED VALUE 330	7.23.65	14478

CK-714



ALTERNATE CONNECTION OF T6080 PRIMARY FOR 230 VOLT OPERATION



UNLESS OTHERWISE SPECIFIED, ALL RESISTANCE VALUES ARE IN OHMS, ALL CAPACITANCE VALUES ARE IN MICRO-FARADS.

NOTES

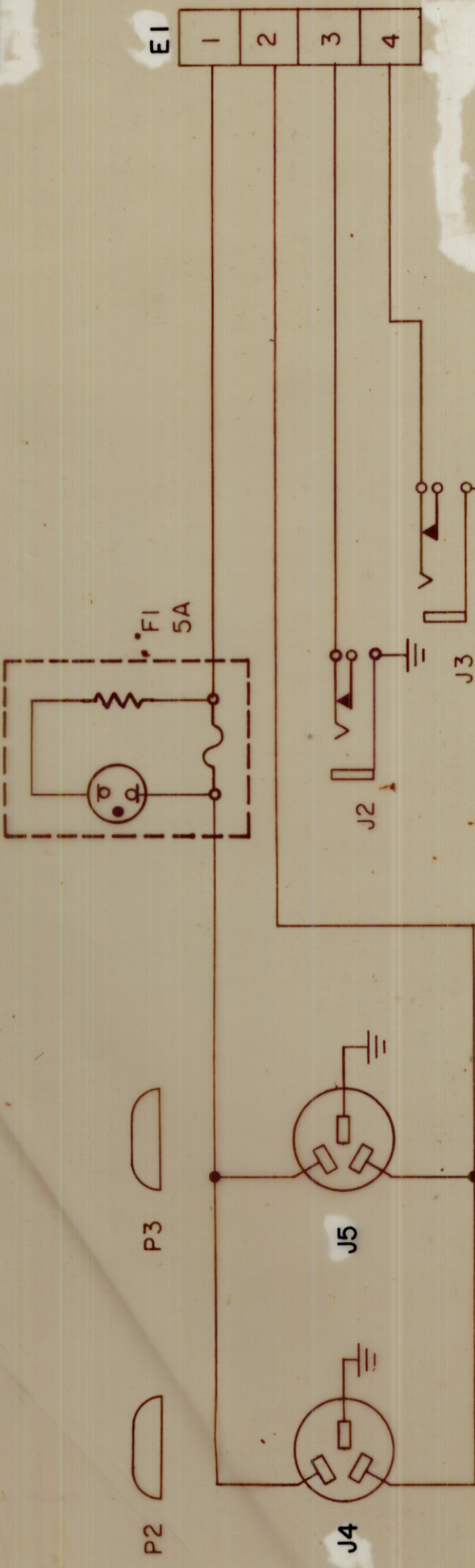
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QTY./UNIT	SCALE	MODEL USED ON	CODE	ASSY. NO.
1		MPS-1	A	

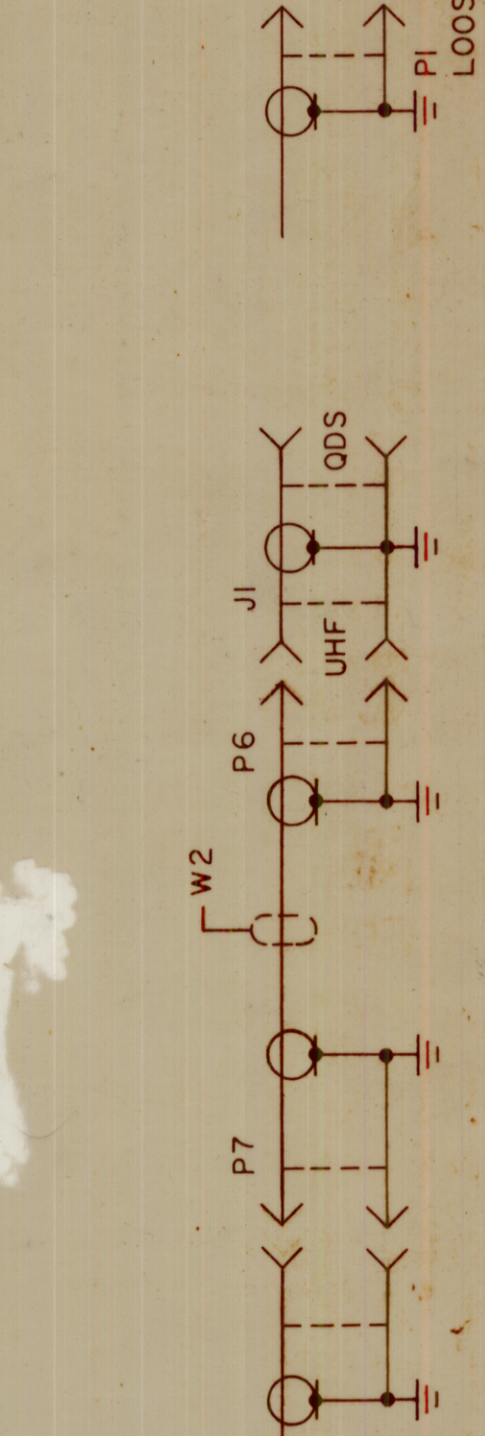
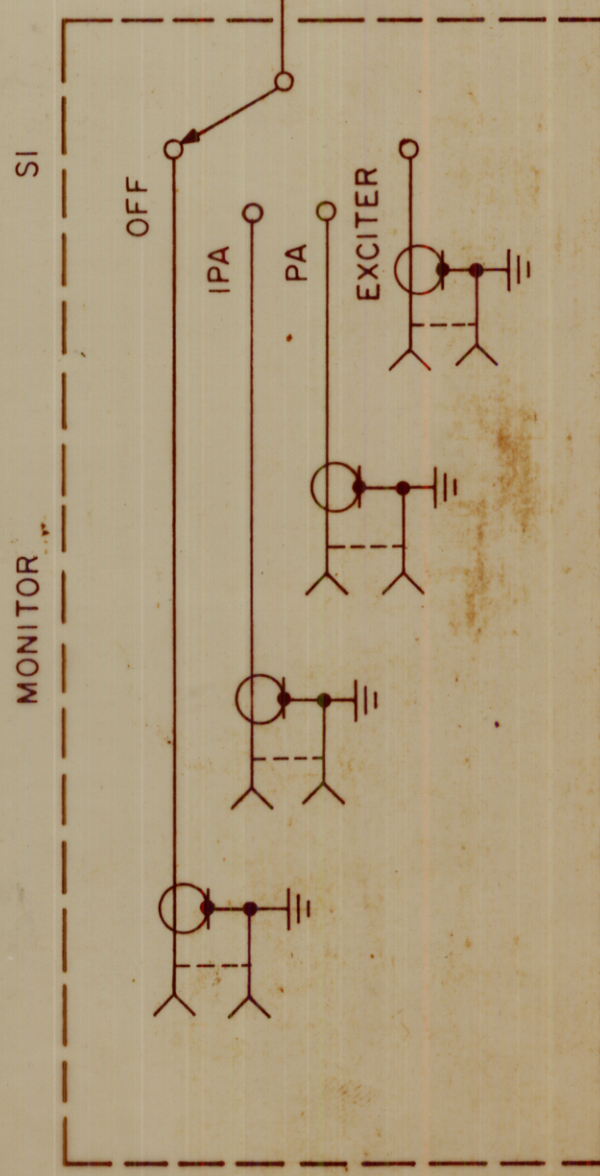
REQ'D.	ITEM	PART NUMBER	DESCRIPTION	SYMBOL
		AALTONEN	LIST OF MATERIAL	
			THE TECHNICAL MATERIEL CORP. MAMARONECK, NEW YORK	
			DIAGRAM, SCHEMATIC, ELECTRICAL	
			28VDC PWB SUPPLY, MODEL MPS-1	
DRAWN		DATE		DATE
T. RAMIREZ		12/20/65		
CHECKED		DATE		DATE
		7/14/64		
ELECT. DES.		DATE		DATE
K. J. K.		7/14/64		
MECH. DES.		DATE		DATE
		7/14/64		
		SHEET		
		CK-714		B
		REV. LTR.		

ZONE	LTR	DESCRIPTION	DATE	E.M.N.NO	DRAFT	CHKD	APPD
	B	REVISED & REDRAWN FROM SIZE 1	7-10-67	18306	LAK		

REVISIONS	
1	
2	
3	
4	
5	



LAST SYMBOL	MISSING SYMBOL
E1	
F1	P4,P5
J5	
P7	
SI	
W2	WI



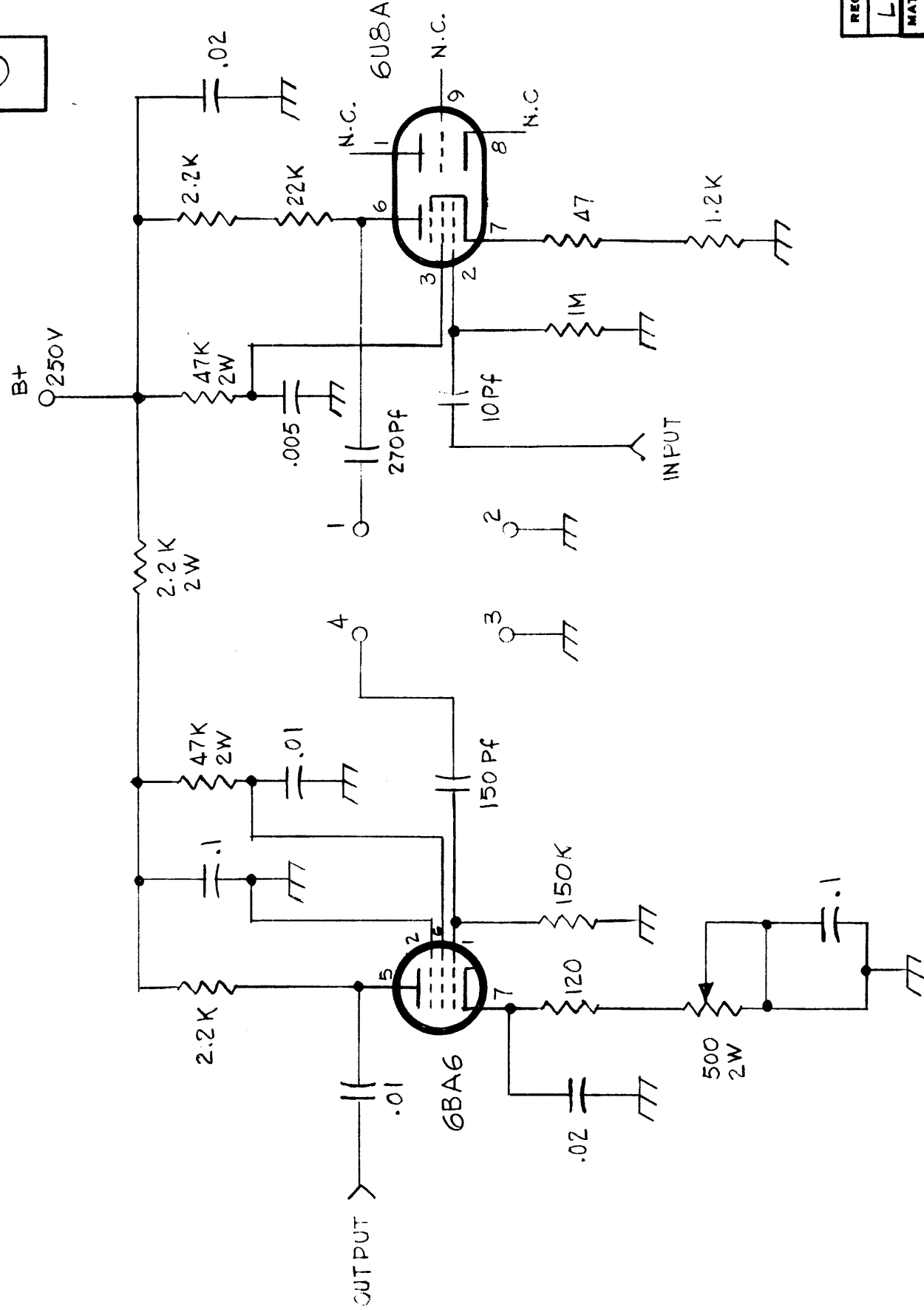
REQ'D ITEM	PART NUMBER	DESCRIPTION	SYM.
F. BUDETTI			
LIST OF MATERIAL			
THE TECHNICAL MATERIEL CORP. MAMARONECK, NEW YORK			
SCHEMATIC DIAGRAM			
DATE	DATE	DATE	DATE
4-27-67	4-27-67	4-27-67	4-27-67
MECH. DES.	ELECT. DES.	CHECKED	DRAWN
			L. KOLIBABEK
MATERIAL		FINISH	
M/L DA			
SIZE	CODE IDENT. NO.	DWG NO.	ISSUE
B	82679	CK731	B
SCALE	SHEET	OF	
	1		

QTY / UNIT	MODEL USED ON	ASSY NO.
	APP-8	
APPLICATION		
CODE		
<p>NOTICE TO PERSONS RECEIVING THIS DRAWING</p> <p>THE TECHNICAL MATERIEL CORPORATION claims proprietary right in the material disclosed hereon. This drawing is issued in confidence for engineering information only and may not be reproduced or used to manufacture anything shown hereon without permission from THE TECHNICAL MATERIEL CORPORATION to the user. This drawing is loaned for mutual assistance and is subject to recall at any time.</p>		

CK 763

REVISIONS

SYM	DESCRIPTION	DATE	E.M.N. NO.	DRAFT	CHKD	APPD
X	EXP. RELEASE	7-2-64	1	G.D.L.		
Ø	ORIGINAL RELEASE FOR PRODUCTION	7-7-64	2			



QTY./UNIT	SCALE	MODEL USED ON	CODE	ASBY. NO.
1		GPR-92	A	

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NOTES

REQ'D.	ITEM	PART NUMBER	DESCRIPTION	SYMBOL
	LAWN 58Y		LIST OF MATERIAL	
	MATERIAL		THE TECHNICAL MATERIEL CORP. MAMARONECK, NEW YORK	
	FINISH		TEST JIG FOR FX-167	

DATE	FINAL APPROVAL	DATE
7-2-64		
DATE	CHECKED	DATE
7-7-64		
DATE	ELECT. DES.	DATE
7-7-64		
DATE	MECH. DES.	DATE

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES AND INCLUDE
CHEMICALLY APPLIED OR PLATED FINISHES

DECIMALS
.X ± .05
.XX ± .01
.XXX ± .005

FRACTIONS
± 1/64
ANGLES
± 0° 30'

TOLERANCES

REVISIONS

DATE

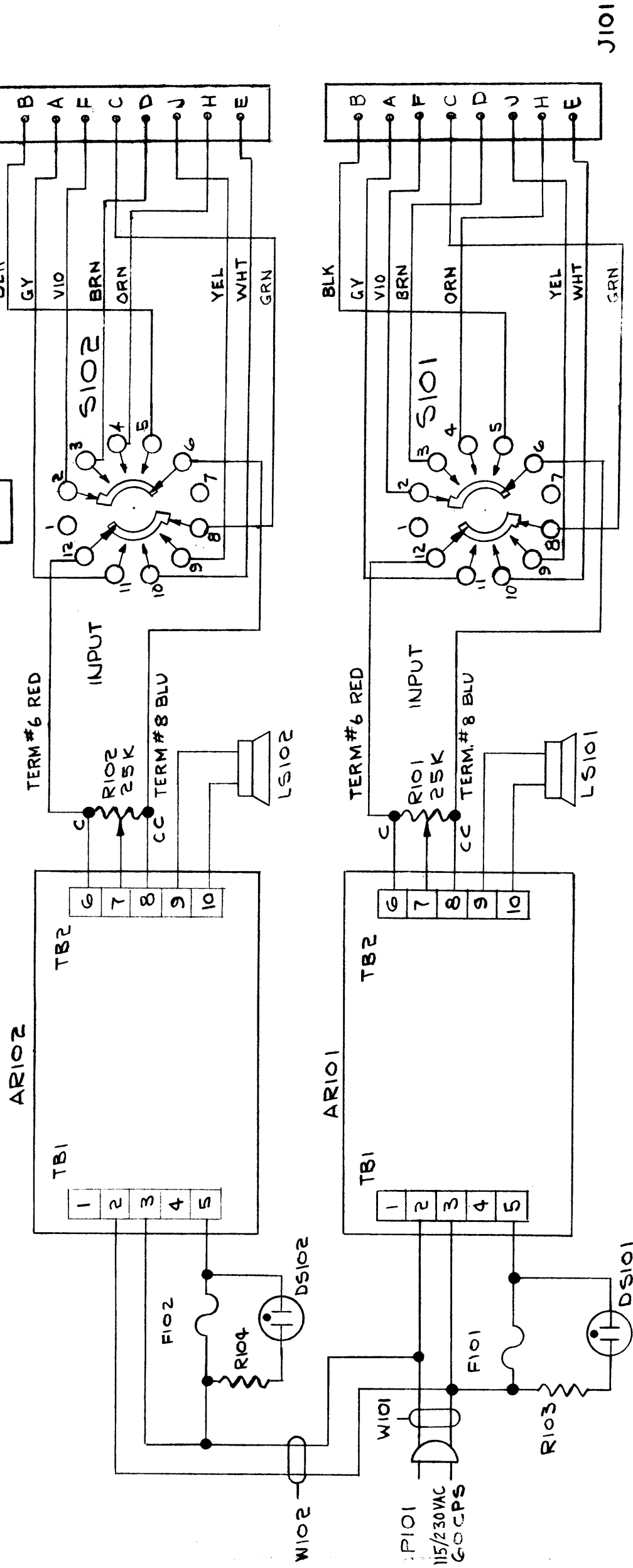
CK 763

SHEET

REV. LTR.

FUSES F101 & F102:
 1/4 AMP FOR 115V OPERATION
 1/8 AMP FOR 230V OPERATION

AUDIO AMPLIFIERS (SEE NOTE)



NOTE:
 SWITCH VIEWED FROM KNOB
 END IN BZ POSITION

NOTE:
 FOR SCHEMATIC DIAGRAM OF
 AUDIO AMPLIFIERS (TMC NO. AZ104)
 SEE CK745
 P101-F-W101 USED ONLY WHEN THIS
 UNIT IS SHIPPED ALONE.

NOTES

SYM	DESCRIPTION	DATE	E.M.N. NO.	DRAFT	CHKD	APPD
X	EXPERIMENTAL RELEASE	9-2-64	X			
Q	ORIGINAL RELEASE FOR PRODUCTION	9-3-64	Q			
A	J101 & J102 PICT. REVISED, F102 3/8 AMP WAS F101 3/8 AMP P101 & W101 SYMB. ADD. ON NOTE. TMC NO. WAS AZ104. DN NOTE CK799 WAS CK619. NOTE *P101 & W101 WIDUISED... ADD.	10.13.64	12629	ABB		
B	CLERICAL CHANGE ON NOTE CK745	2-16-65				
C	ON F101 & F102: 3/8 AMP. DELE. ON P101: 230VAC APP. FUSE NOTE ADD.	4-2-65	13767	9 F		
D	ON J101 & J102 PINS DIFFER WERE REVERSED	5/7/65	14279			

A CK771

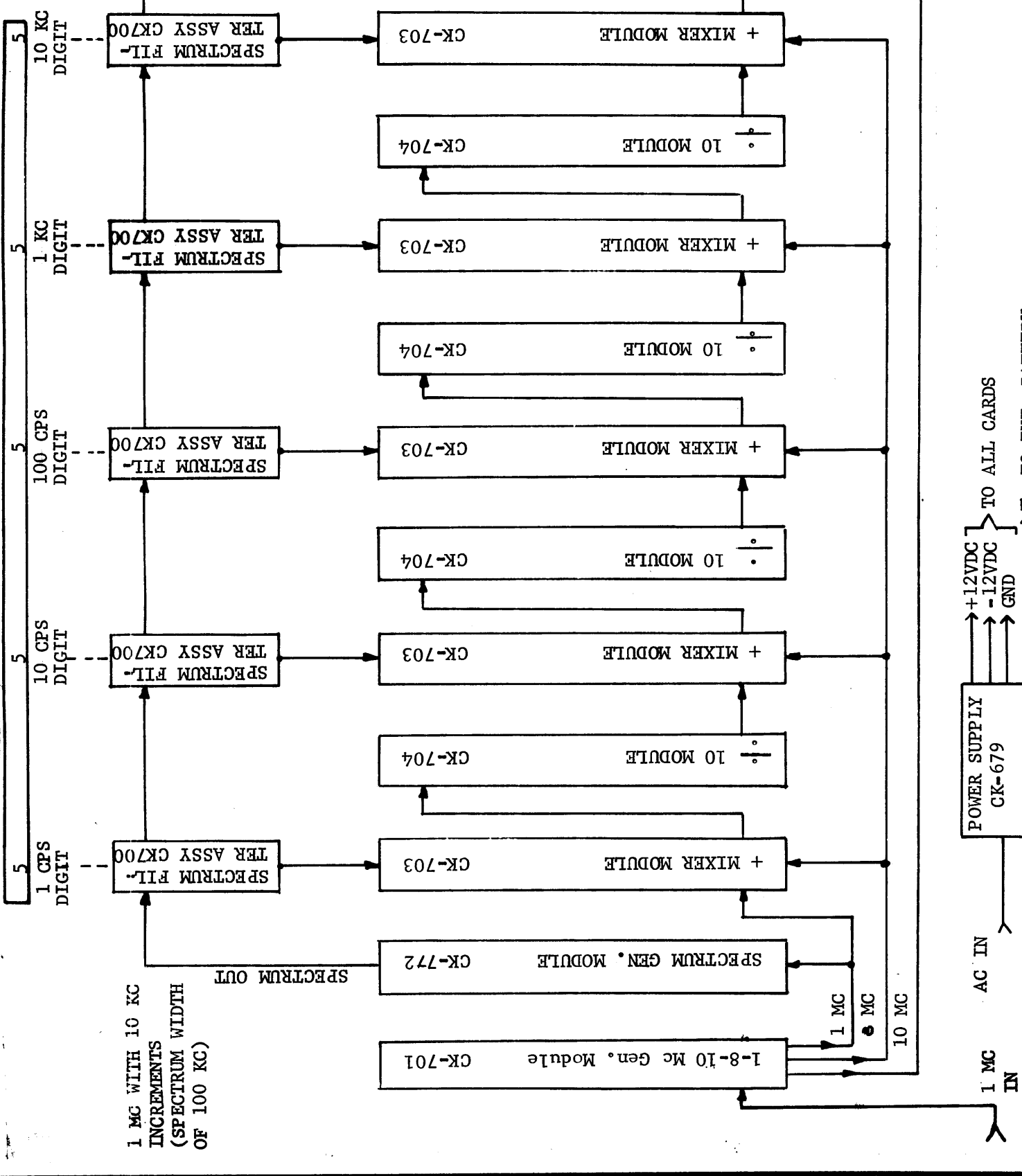
REQ'D.	ITEM	PART NUMBER	DESCRIPTION	SYMBOL
	STURMER		LIST OF MATERIAL	
	MATERIAL		THE TECHNICAL MATERIEL CORP. MAMARONECK, NEW YORK	
	FINISH		DIAGRAM, SCHEMATIC	

DATE	DATE	DATE	DATE	DATE
9-2-64	9-2-64	9-3-64	9-3-64	9-3-64
9-2-64	9-3-64	9-3-64	9-3-64	9-3-64
9-3-64	9-3-64	9-3-64	9-3-64	9-3-64

UNLESS OTHERWISE SPECIFIED	FRACIONS
DIMENSIONS ARE IN INCHES AND INCLUDE CHEMICALLY APPLIED OR PLATED FINISHES	± 1/64
DECIMALS	± .01
.XX ± .01	ANGLES
.XXX ± .008	TOLERANCES
	± 0° 30'

REVISIONS

SYM	DESCRIPTION	DATE	E.M.N. NO.	DRAFT	CHKD	APPD
Ø	ORIGINAL RELEASE FOR PRODUCTION	12.2.64	Ø	JNB		



REQ'D.	ITEM	PART NUMBER	DESCRIPTION	SYMBOL
	O. ROSE		LIST OF MATERIAL	
			THE TECHNICAL MATERIEL CORP. MAMARONECK, NEW YORK	
			TITLE BLOCK DIAGRAM, SIGNAL FLOW	
			DRAWN JNB	DATE 12.2.64
			CHECKED	DATE 12-2-64
			ELECT. DES.	DATE
			MECH. DES.	DATE
			CK 783	REV. LTR. Ø

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND INCLUDE CHEMICALLY APPLIED OR PLATED FINISHES		FRACTIONS ± 1/64	
DECIMALS .X ± .05		ANGLES ± 0° 30'	
TOLERANCES .XX ± .01		TOLERANCES ± 0° 30'	

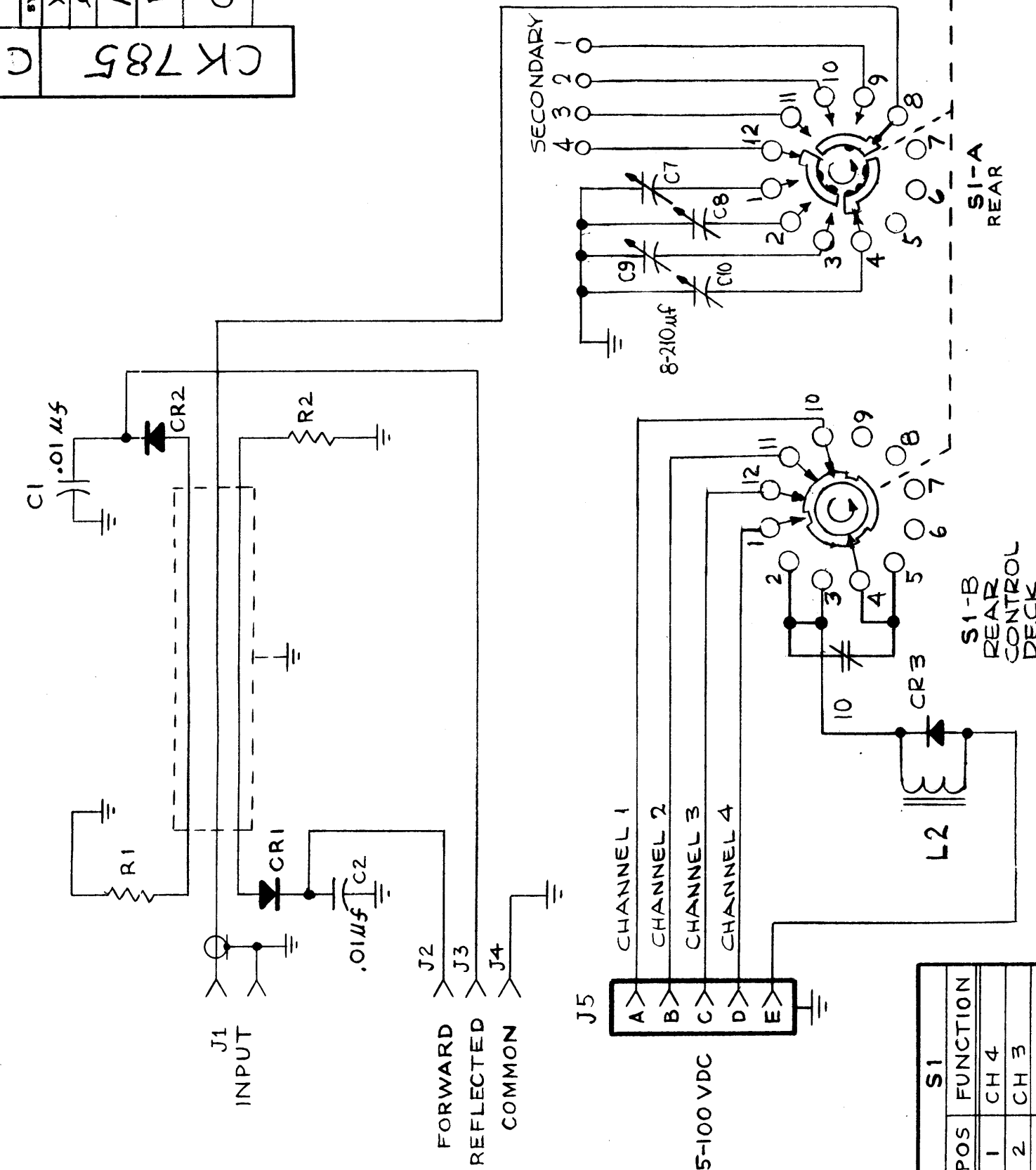
LFS A		ABS.Y. NO.	
QTY./UNIT	MODEL USED ON	SCALE	
	A		

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NOTES

REVISIONS						
SYM	DESCRIPTION	E.M.N. NO.	DATE	DRAFT	CHKD	APPD
X	EXPERIMENTAL RELEASE		9-14-64	NP		
Ø	ORIGINAL RELEASE FOR PRODUCTION		9-24-64	PL		
A	ON S1-B WIRING REVISED, REORIENTED S1-A REAR CONT. C9 WAS C8, C8 WAS C9, TITLE S1 - WAS SW1 - (4PL)		12-21-64	hTB		
B	ON WAFERS; POSITIONS 1 THRU 12 WERE CLOCKWISE; NOTES 2 & 3 ADDED.		2-17-65	PL		
C	JACK SYM ADD TO E1; R3 ADD. FR. E1 TO GND; ON S1-A (REAR FRONT); DOTS RELOC. ON CR3; GND. DELE. WIRE ADD. TO J5 PIN E; ON J5: GND (RELOC.) UNLESS OTHERWISE SPECIFIED. ADDED TO NOTES; E1 WAS 36; L2 WAS 5Z1.		3-22-65	PL		

CK 785



NOTES:
 UNLESS OTHERWISE SPECIFIED,
 1. ALL RESISTORS ARE 1/2 WATT.
 2. DOT ON ROTOR INDICATES FRONT AND REAR ROTORS ELECTRICALLY CONNECTED.
 3. ALL SWITCH DECKS VIEWED FROM SHAFT END AND COUNTED IN DIRECTION OF ROTATION.

S1	
POS	FUNCTION
1	CH 4
2	CH 3
3	CH 2
4	CH 1

REQ'D.	ITEM	PART NUMBER	DESCRIPTION	SYMBOL
	A, DUDDLES		LIST OF MATERIAL	
MATERIAL		THE TECHNICAL MATERIEL CORP. MAMARONECK, NEW YORK		
FINISH		DIAGRAM, SCHEMATIC		

QTY./UNIT	TTC-1	ASSY. NO.
SCALE		
MODEL USED ON		
CODE	A	

DATE	9-14-64	DATE	9-14-64
DATE	9-23-64	DATE	9-23-64
DATE	9-23-64	DATE	9-23-64
DATE	9-23-64	DATE	9-23-64

ELECT. DES.	P. Duddles	DATE	9-23-64
MECH. DES.	P. Duddles	DATE	9-23-64

UNLESS OTHERWISE SPECIFIED	UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES AND INCLUDE	DIMENSIONS ARE IN INCHES AND INCLUDE
CHEMICALLY APPLIED OR PLATED FINISHES	CHEMICALLY APPLIED OR PLATED FINISHES
FRACTIONS	FRACTIONS
DECIMALS	DECIMALS
.X ± .05	± 1/64
.XX ± .01	ANGLES
.XXX ± .08	± 0° 30'
TOLERANCES	TOLERANCES

NOTES

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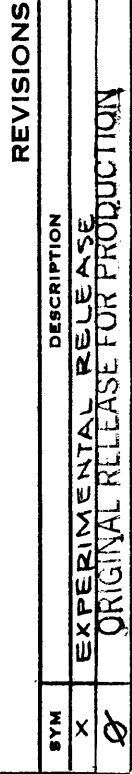
CK 785 - C

SHEET	100
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REVISIONS

SYM	DESCRIPTION	DATE	E.M.N. NO.	DRAFT	CHKD	APPD
X	EXPERIMENTAL RELEASE	9-21-64	X	SEC		
Ø	ORIGINAL RELEASE FOR PRODUCTION	9-24-64	Ø	98		

DATE 9-21-64
 DATE 9-24-64
 E.M.N. NO. X Ø
 DRAFT SEC 98
 CHKD
 APPD



OPEN AT APPROX. 85°C
 HEATER ELEMENTS
 52W 120Ω
 52W 120Ω
 220Ω
 500K AT 68°F
 T
 CR1 IN1820
 Q5 2N1702
 R12 .166Ω
 Q4 2N1702
 R11 .166Ω
 Q3 2N1701
 R9 1K
 Q2 2N336
 R8 10K
 R7 1K
 Q1 2N338
 R6 47K
 R4 10K
 R3 430Ω
 R5 750Ω
 R10 200Ω
 CR2 IN758
 R2 3.6K
 CR3 SG22
 C1 1mfd
 R1 3.3K
 J1
 PO240 XX 210
 +28
 HEATER ELEMENTS
 52W 120Ω
 52W 120Ω
 220Ω
 4.16A
 F32
 OPEN AT APPROX. 85°C

ANGER / DEWEY
 LIST OF MATERIAL
 THE TECHNICAL MATERIEL CORP.
 MAMARONECK, NEW YORK
 SCHEMATIC, OVEN CONTROL, PO240

REQ'D.	ITEM	PART NUMBER	DESCRIPTION	SYMBOL
			ANGER / DEWEY	
			LIST OF MATERIAL	
			THE TECHNICAL MATERIEL CORP.	
			MAMARONECK, NEW YORK	
			SCHEMATIC, OVEN CONTROL, PO240	

UNLESS OTHERWISE SPECIFIED
 DIMENSIONS ARE IN INCHES AND INCLUDE
 CHEMICALLY APPLIED OR PLATED FINISHES
 DECIMALS
 .X ± .05
 .XX ± .01
 .XXX ± .005
 FRACTIONS
 ± 1/64
 ANGLES
 ± 0° 30'

DATE 9-21-64
 DATE 9-24-64
 DATE
 DATE
 DRAWN SRG
 CHECKED
 ELECT. DES.
 MECH. DES.
 SHEET
 REV. LTR.
 CK 787
 Ø
 MIL-R.B.

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NOTES

QTY./UNIT
 SCALE
 HFR - 1
 MODEL USED ON
 CODE
 ASSY. NO.

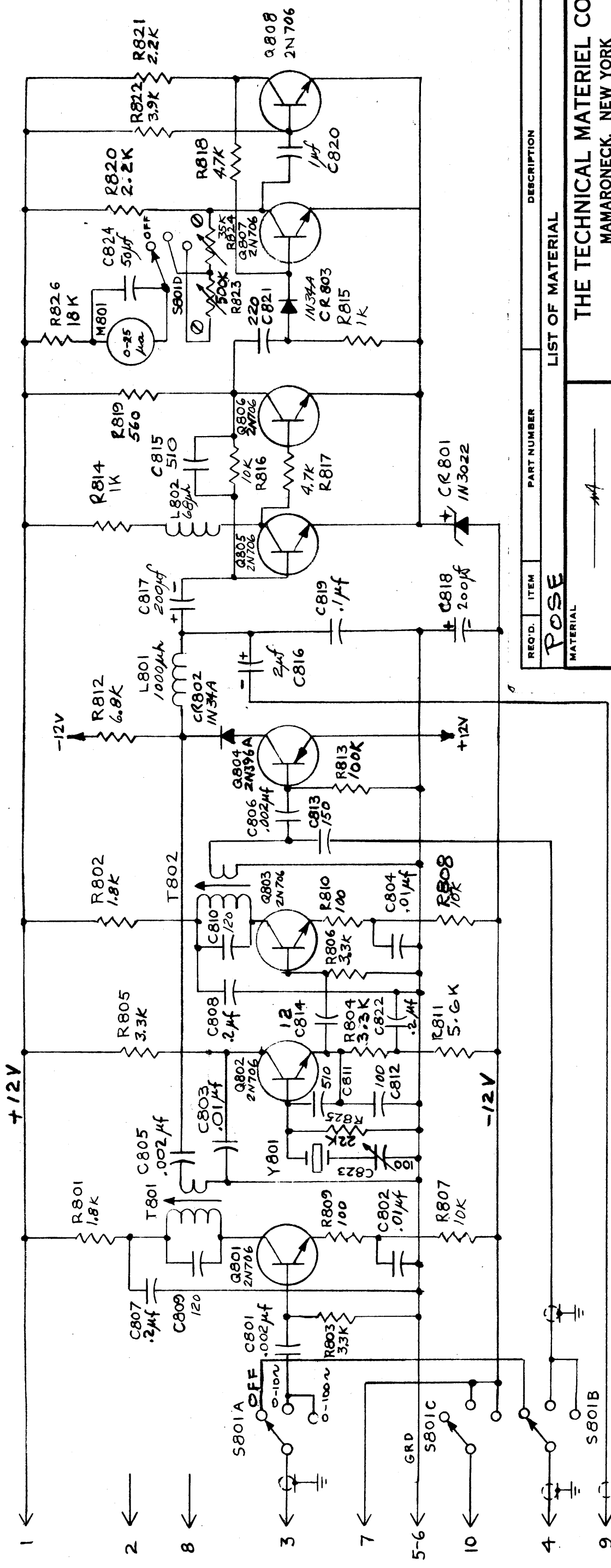
PO240XX129

REPROVAL NO. 440H 10107

TMC FORM 105

- NOTE:
1. K = 1000
 2. ALL WHOLE NUMBER CAPACITORS P.F. UNLESS OTHERWISE NOTED.
 3. ALL ITEMS EXCEPT C823, 824, M801, S801, S802, R823 & R824 ARE P/O Z801, PC BOARD.

ISOLATION AMPLIFIER OSCILLATOR BUFFER SCHMITT TRIGGER MIXER ONE SHOT MV.



SYM	DESCRIPTION	DATE	E.M.N. NO.	DRAFT	CHKD	APPD
X	EXPER. RELEASE	9-23-64	X			
X1	WIRING TO SI-D REVISED, R26 & C22 ADDED	10-2-64	X1	NP		
X2	J1 DELETED, PIN NOS ON BOARD REVISED	10-10-64	X2	NP		
X3	ON PICT. Q805 WAS Q824 WAS C819 R814, 1K WAS R814, 1000K, NOTE S801	10-23-64	X3			
X4	C815 WAS 150PF	1-7-64	X4			
X5	C814 WAS 15PF	1-5-64	X5			
X6	R823 WAS 50K	1-5-64	X6			
X7	C814 WAS 18PF	1-7-64	X7			
X8	ON NOTE 2 CAP. VALUE WAS Kf (ERROR)	1-20-65	X8			
Ø	ORIGINAL RELEASE FOR PRODUCTION	1-21-65	Ø			

LAST SYMBOL NOS. USED
 C824 Q808 M801
 CR803 S801
 L802 T802
 R826 Y801

NOTES

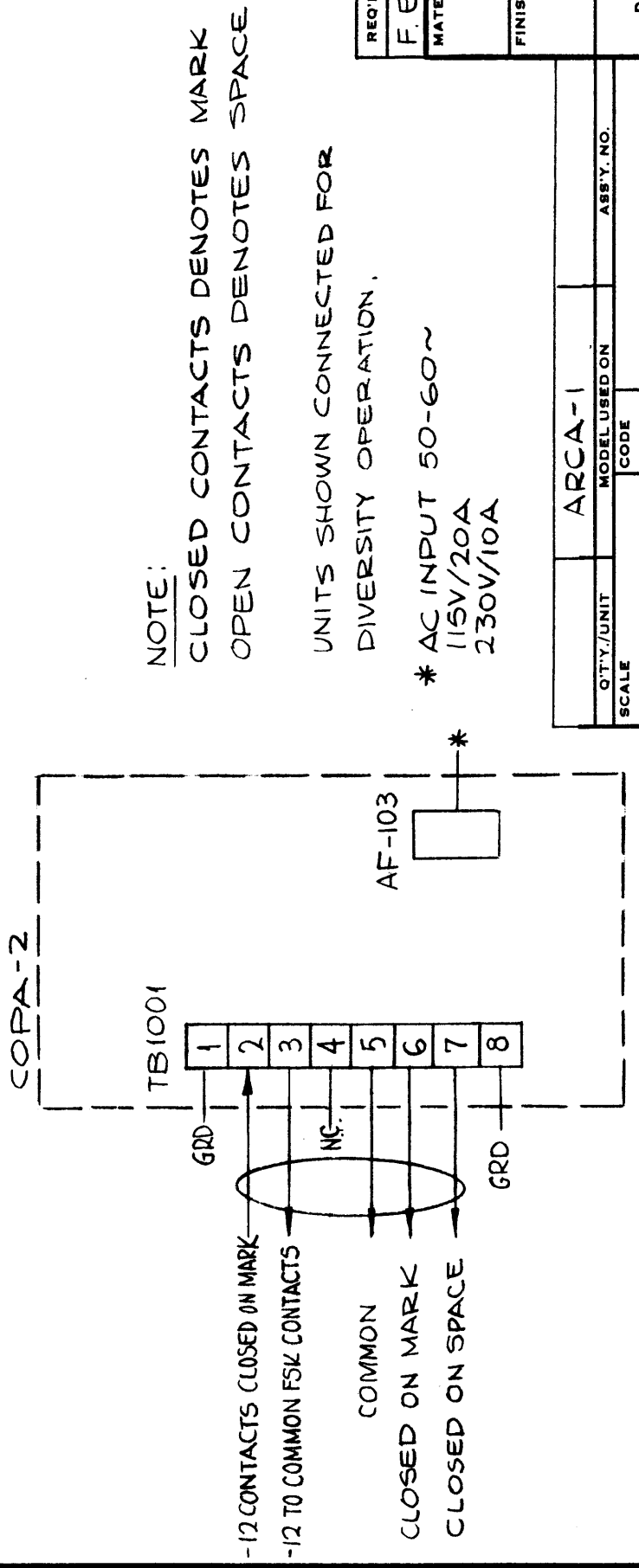
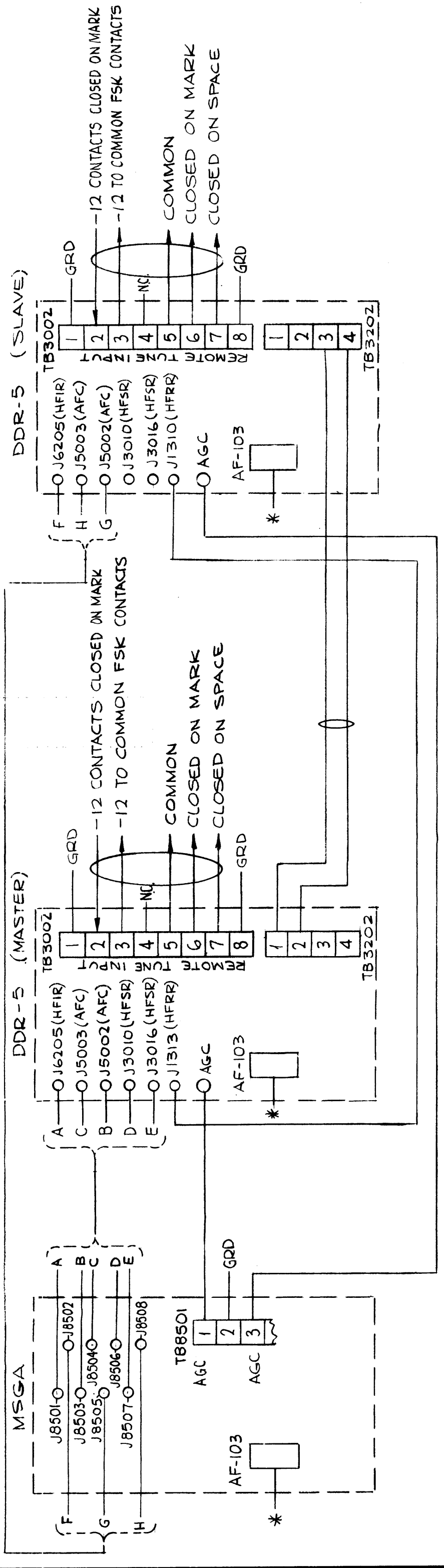
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REQ'D.	ITEM	PART NUMBER	DESCRIPTION	SYMBOL
	POSE		LIST OF MATERIAL	
			THE TECHNICAL MATERIEL CORP. MAMARONECK, NEW YORK	
TITLE				
SCHEMATIC DIAGRAM DOPPLER CORRECTOR				
DRAWN: [Signature] DATE: 9-23-64				
CHECKED: [Signature] DATE: []				
ELABORATED: [Signature] DATE: []				
MATH. DES. [Signature] DATE: []				
SHEET: CK790				
REV. LTR. []				

QTY./UNIT SCALE MODEL USED ON CODE ASSY. NO.

AX519

PFCB-1



NOTE:
 CLOSED CONTACTS DENOTES MARK
 OPEN CONTACTS DENOTES SPACE
 UNITS SHOWN CONNECTED FOR
 DIVERSITY OPERATION.
 * AC INPUT 50-60~
 115V/20A
 230V/10A

NOTES
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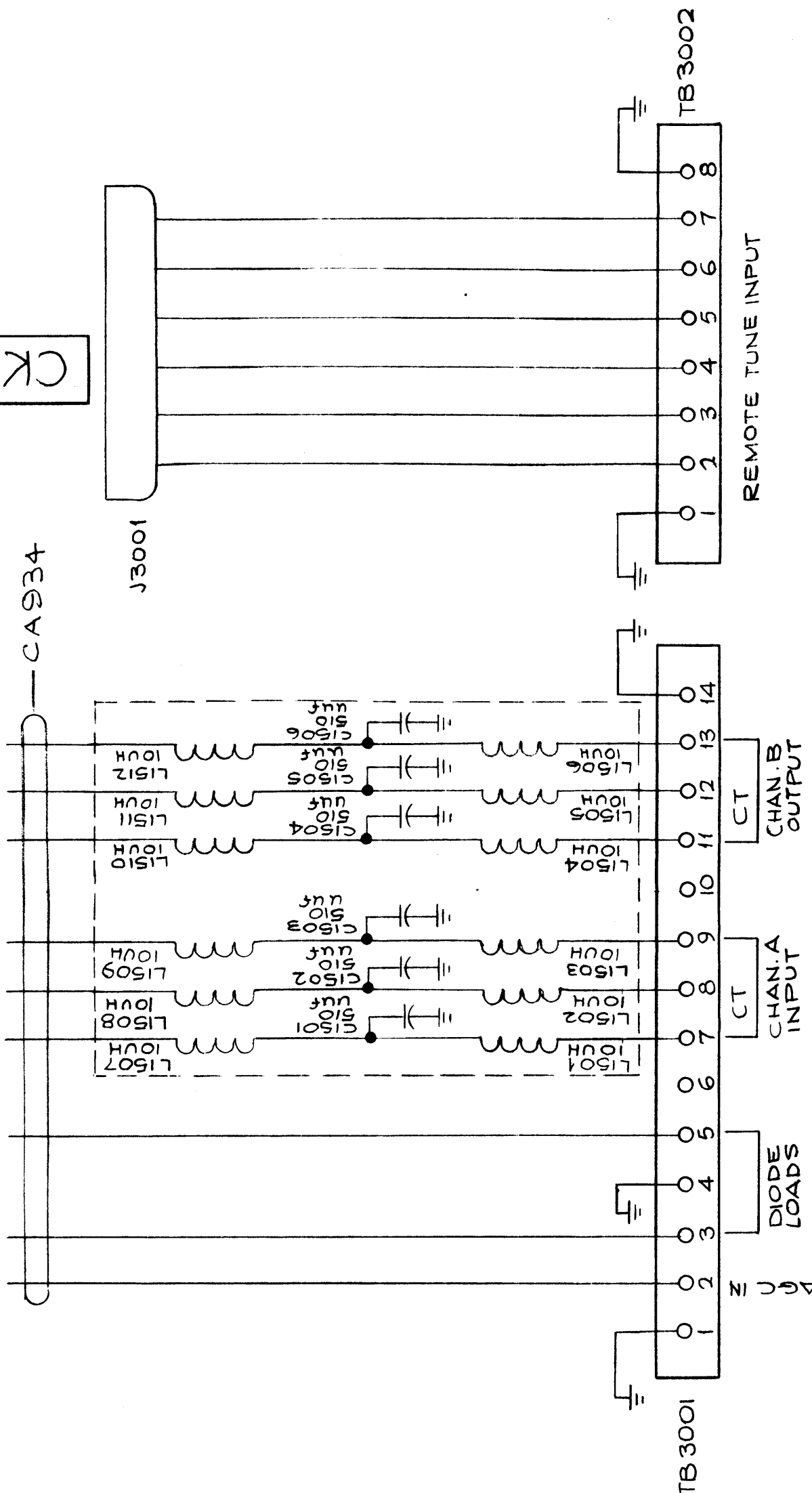
REQ'D.	ITEM	PART NUMBER	DESCRIPTION	SYMBOL
	F. EATON		LIST OF MATERIAL	
	MATERIAL		THE TECHNICAL MATERIEL CORP. MAMARONECK, NEW YORK	
	FINISH		DIAGRAM, SYSTEM INTERCONNECT	

DRAWN	SRG	DATE	9-23-64	FINAL APPROVAL	DATE	2/23/67
CHECKED	[Signature]	DATE			DATE	
ELECT. DES.	[Signature]	DATE			DATE	
MECH. DES.		DATE			DATE	
			CK 793			Ø
					SHEET	REV. LTR.

REVISIONS

SYM	DESCRIPTION	DATE	E.M.N. NO.	DRAFT	CHKD	APPD
X	EXPERIMENTAL RELEASE	9-17-64	X	SRG		
Ø	ORIGINAL RELEASE FOR PRODUCTION	5-3-65	Ø	Ø		

CK 794



REQ'D.	ITEM	PART NUMBER	DESCRIPTION	SYMBOL	
F. EATON					
LIST OF MATERIAL					
THE TECHNICAL MATERIEL CORP. MAMARONECK, NEW YORK					
TITLE DIAGRAM, SCHEMATIC					
DRAWN	SRG	DATE	9-17-64	DATE	5/4/65
CHECKED		DATE		DATE	
ELECT. DES.		DATE	4-28-64	DATE	
MECH. DES.		DATE	4-28-65	DATE	
SHEET				REV. LTR.	Ø

QTY./UNIT	SCALE	MODEL USED ON	CODE	ASSY. NO.
1		RAK-102-2		

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES AND INCLUDE
CHEMICALLY APPLIED OR PLATED FINISHES

DECIMALS
.X ± .05
.XX ± .01
.XXX ± .005

FRACTIONS
± 1/64
ANGLES
± 0° 30'

TOLERANCES

NOTES

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