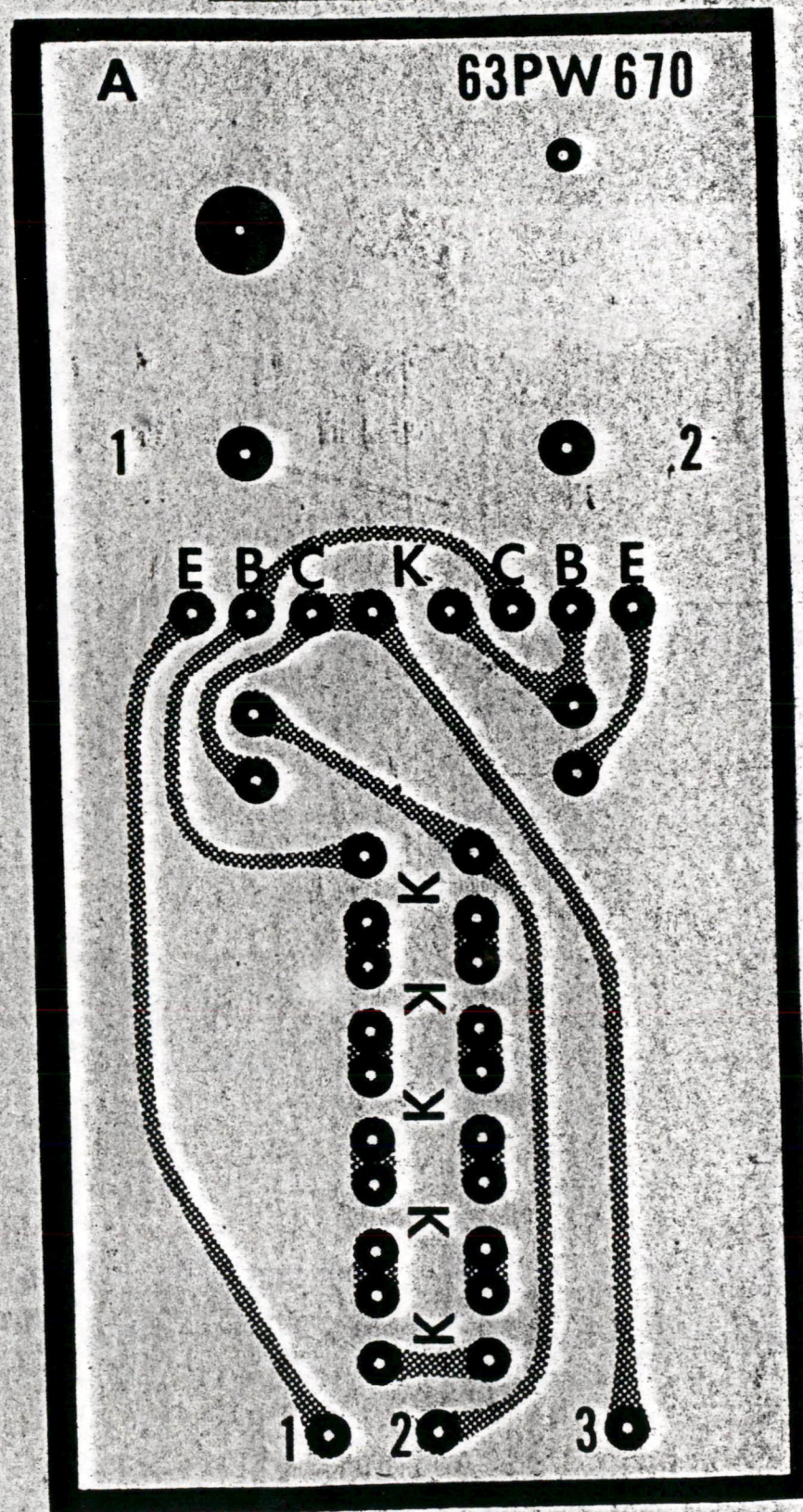


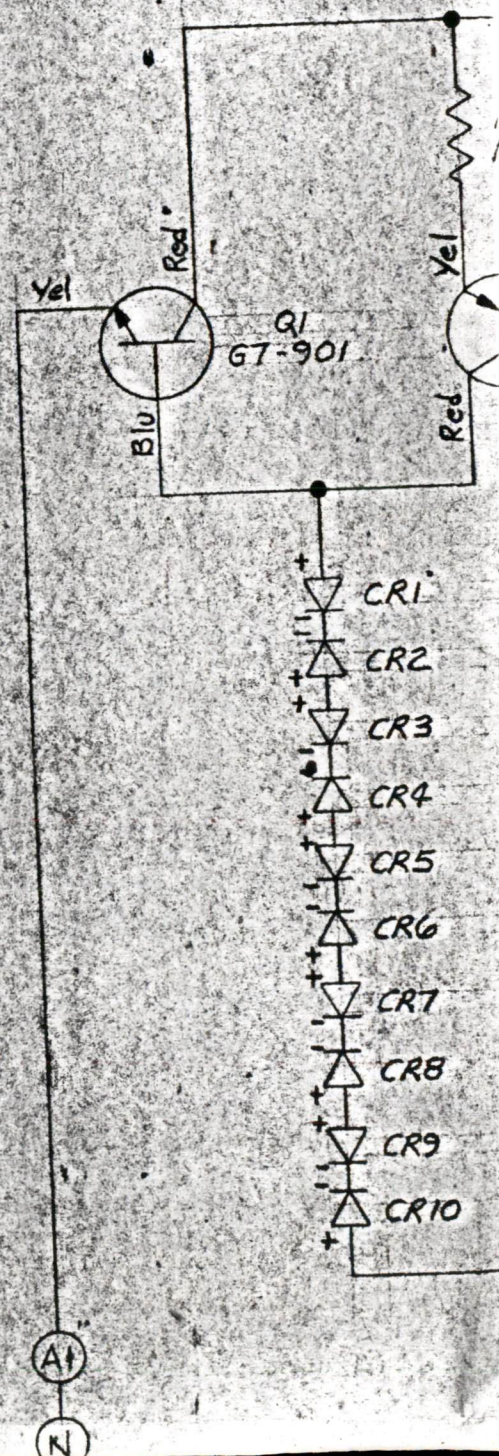
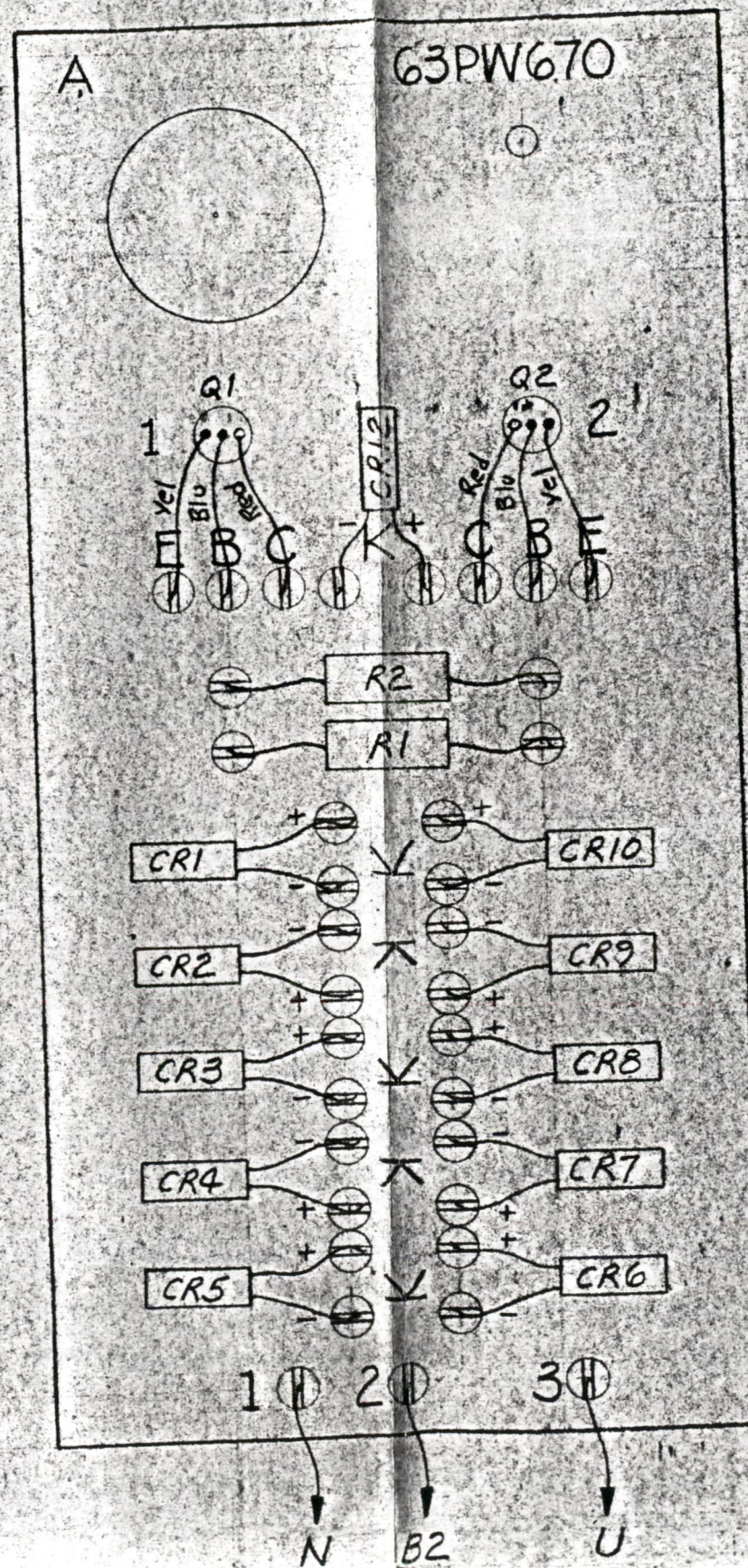
D-69152

TOLERANCES NOT OTHERWISE SPECIFIED
 DECIMAL $\pm .005$ FRACTIONAL $\pm 1/64$ ANGULAR $\pm 1/2^\circ$
 DIMENSIONS ENCLOSED THUS $\pm .000$ FOR REFERENCE ONLY.

COMPOSITE

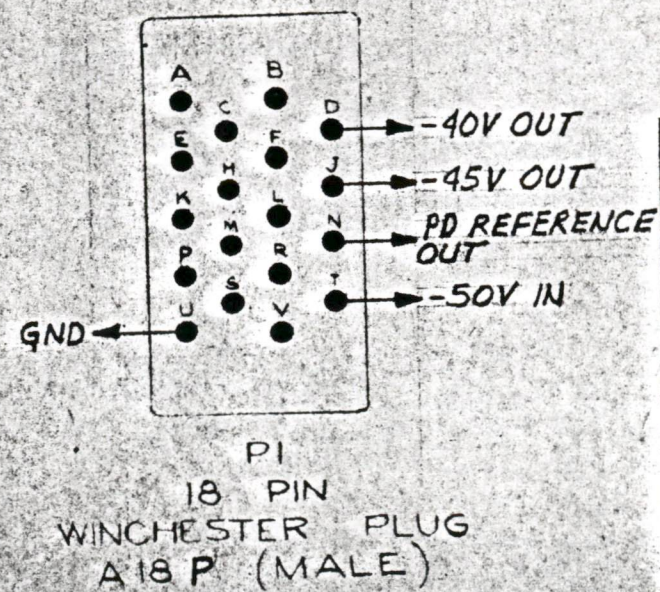


COMPONENT

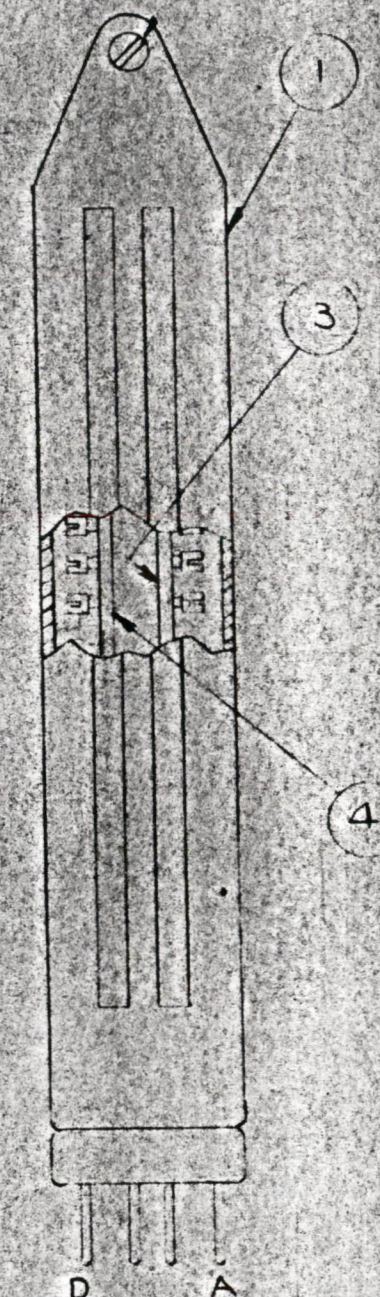


CARD B

L 7 CARD "A"
ON PLUG P.I.



GRADE I FOR REFERENCE ONLY	
GRADE II PRELIMINARY DESIGN	
GRADE III FINAL DESIGN	
GRADED BY: <i>K. Olson (MS)</i>	DATE: <i>5/23/57</i>
20	
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2	
1	



SCALE 1:1

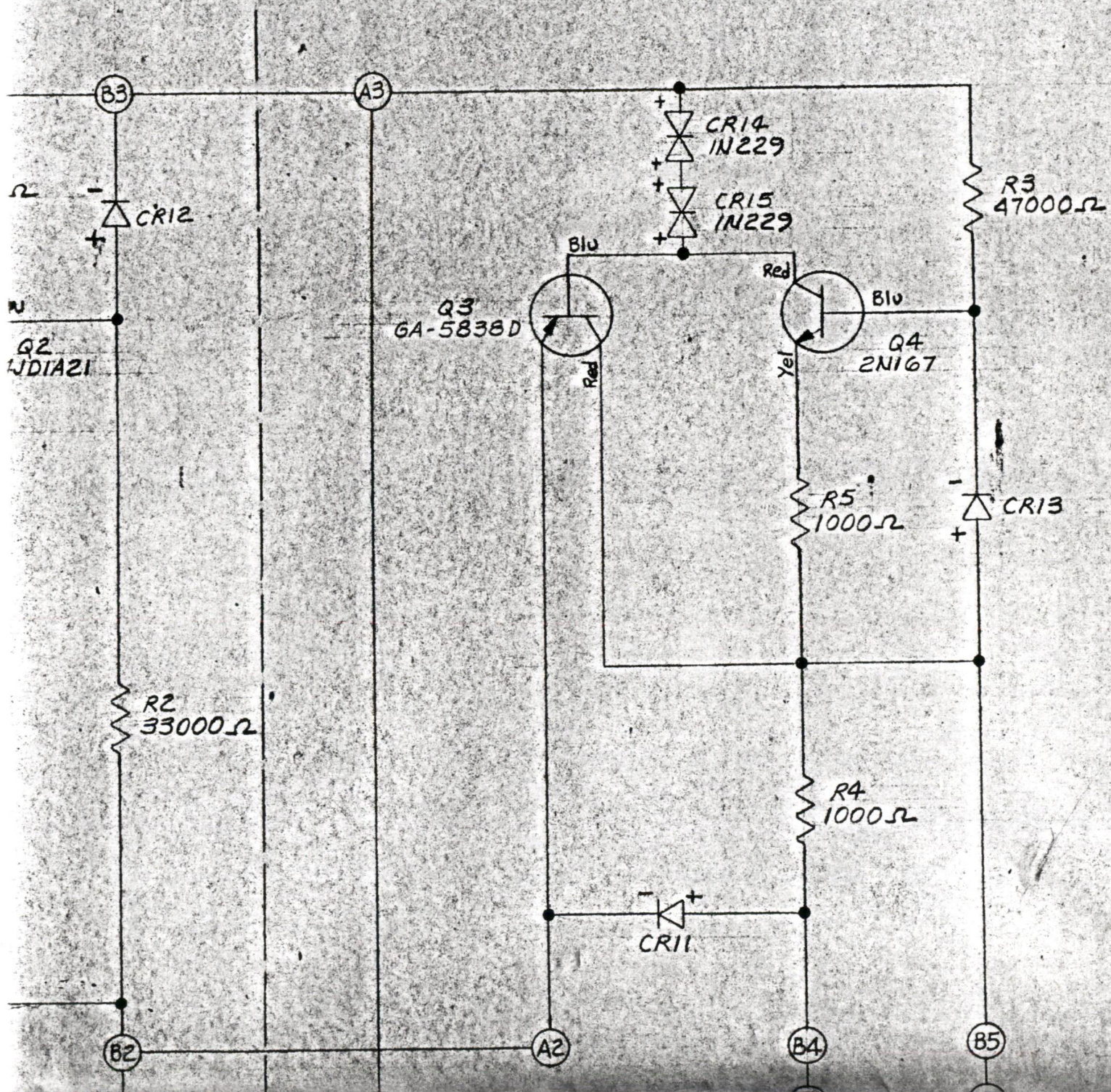
K. Olson

PRINT ISSUED

MAY 24 1957

ITEM	MATERIAL - DESCRIPTION	PART NO.	QTY.
LINCOLN LABORATORY DIV. 6 MASSACHUSETTS INSTITUTE OF TECHNOLOGY LEXINGTON 73 MASS.			
ASSY, COMPOSITE & SCHEMATIC, P.I.U. DECODER POWER UNIT, TX-2			
SCALE: 2:1	DR <i>atello</i> 1/14/57	D-69152	
ENG. <i>5/23/57</i> <i>B. Gortley (MS)</i>	CK. <i>5/16/57</i> <i>W. Cook</i>		

SCHEMATIC:



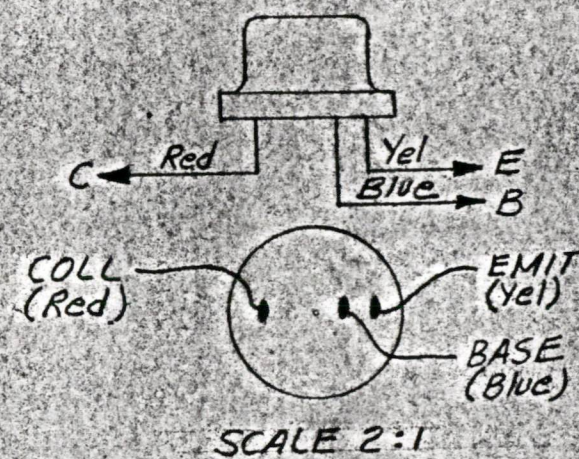
NOTES:

1. UNLESS OTHERWISE SPECIFIED:
 - A. ALL RESISTORS ARE 1/2 W, ±5%.
 - B. CRYSTAL RECTIFIERS ARE EITHER RAY IN437A OR TI-651C9.
2. ALL WIRE #22 STRANDED.

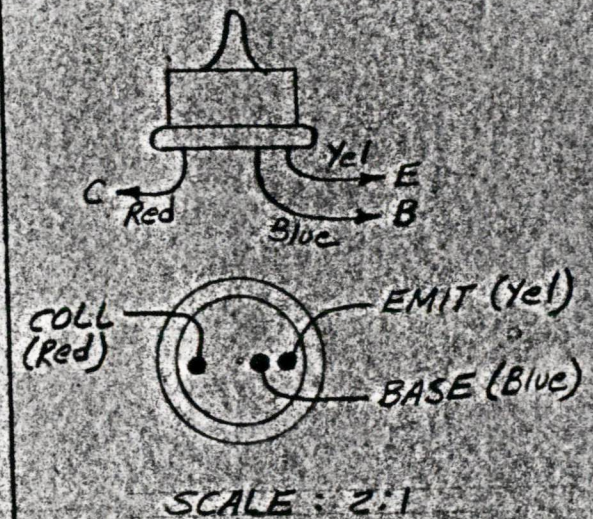
DRAWING REFERENCE:

PARTS LIST: PL-69152

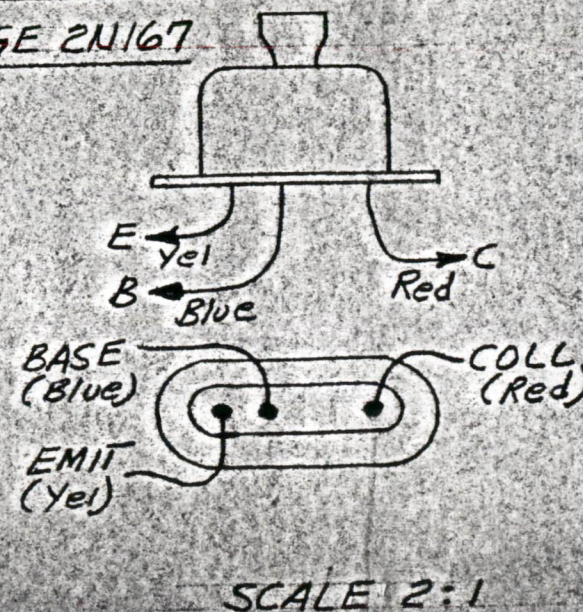
SYLVANIA #GT901



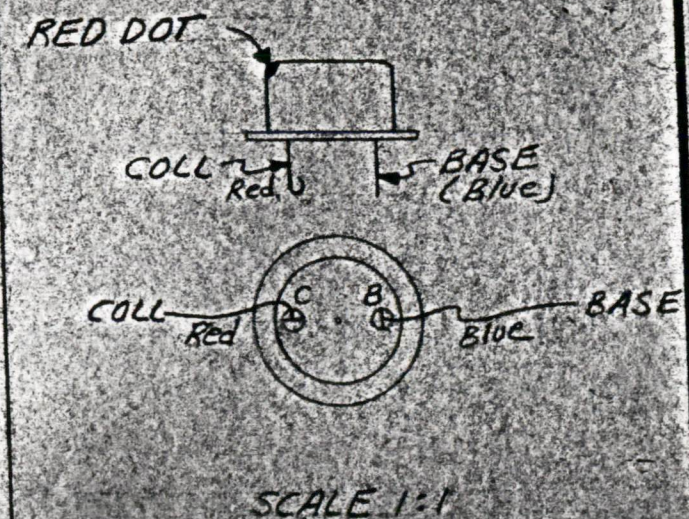
GE 4JDIA21

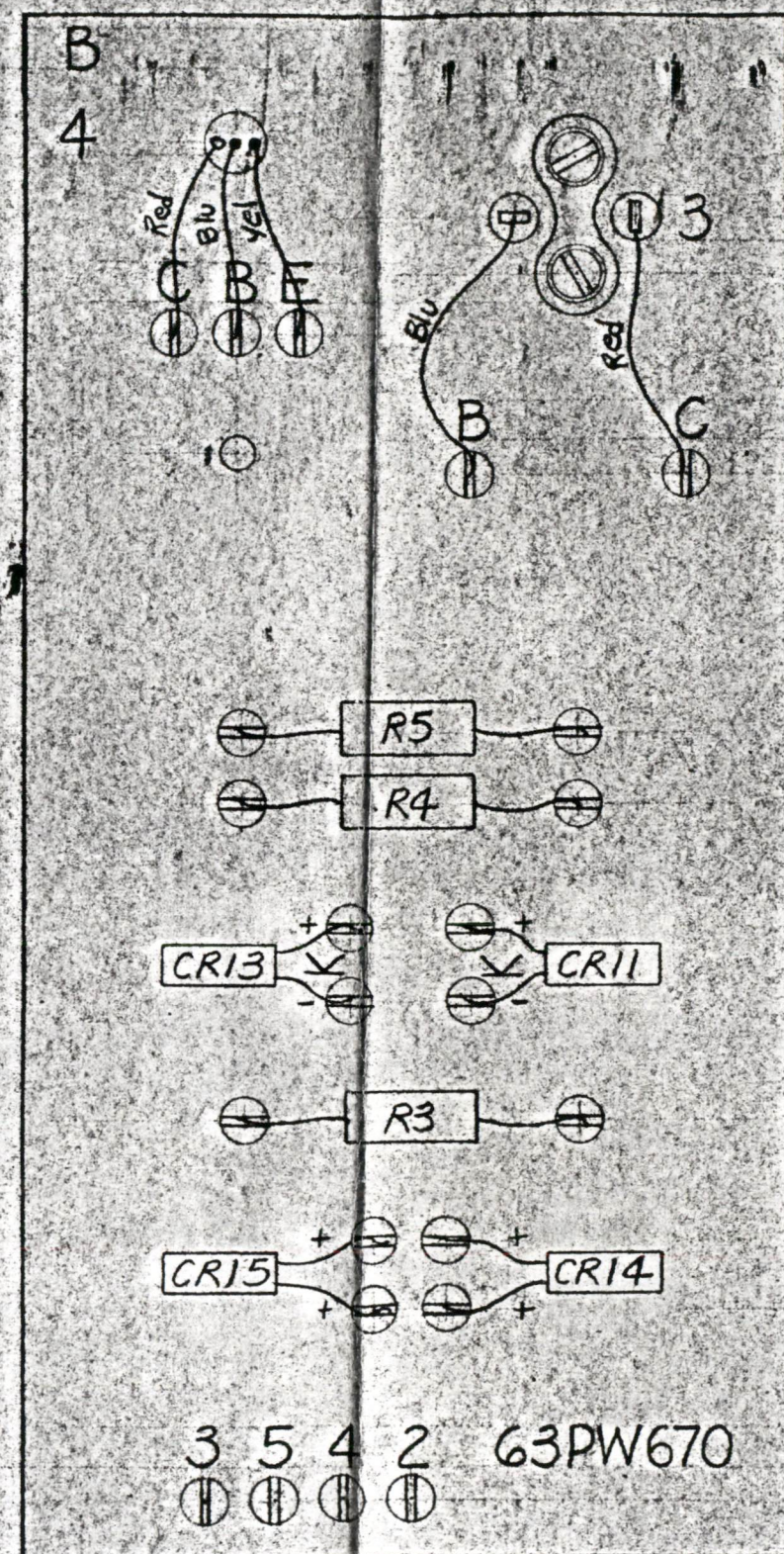
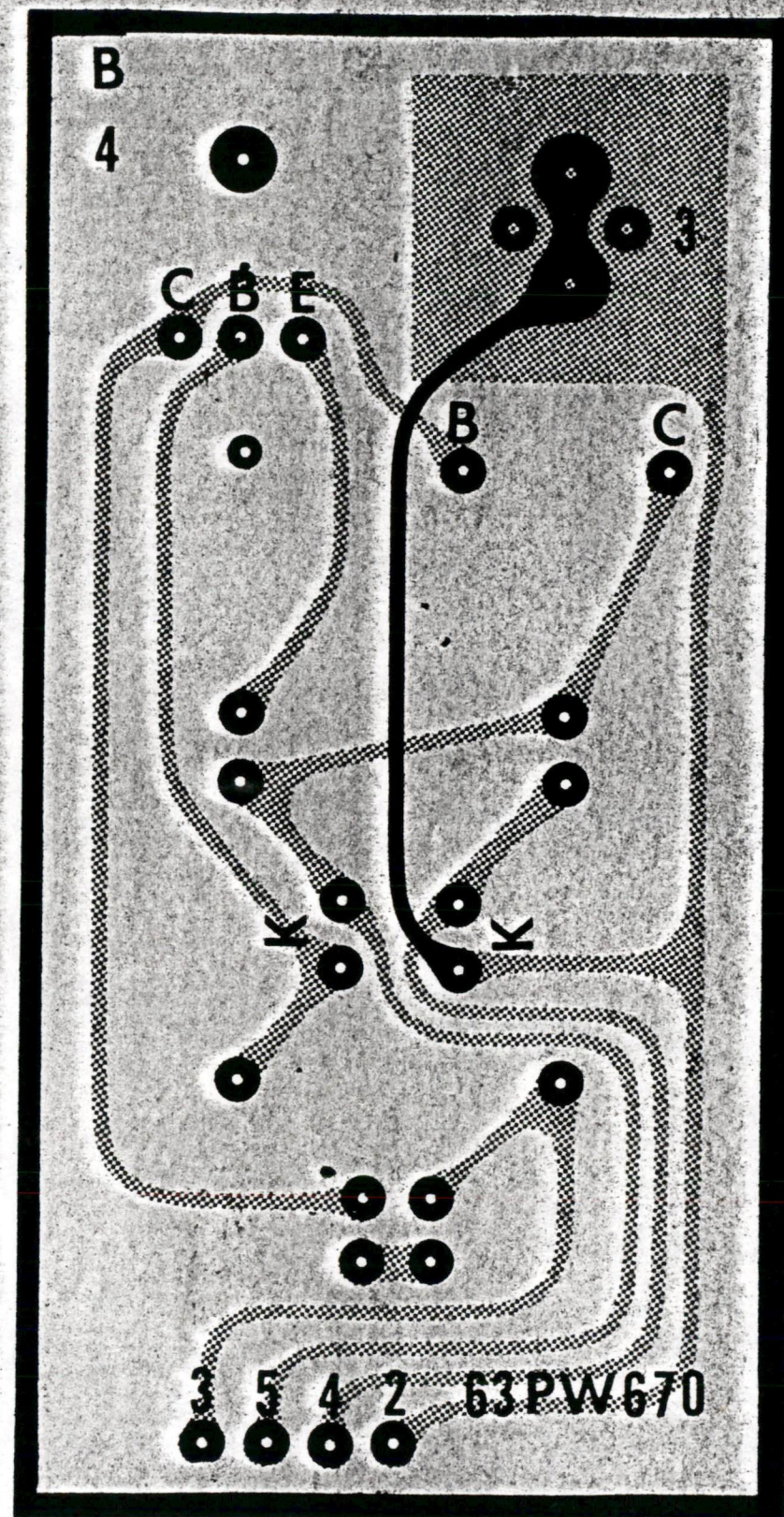


GE 2N167



GA5838D (WE)





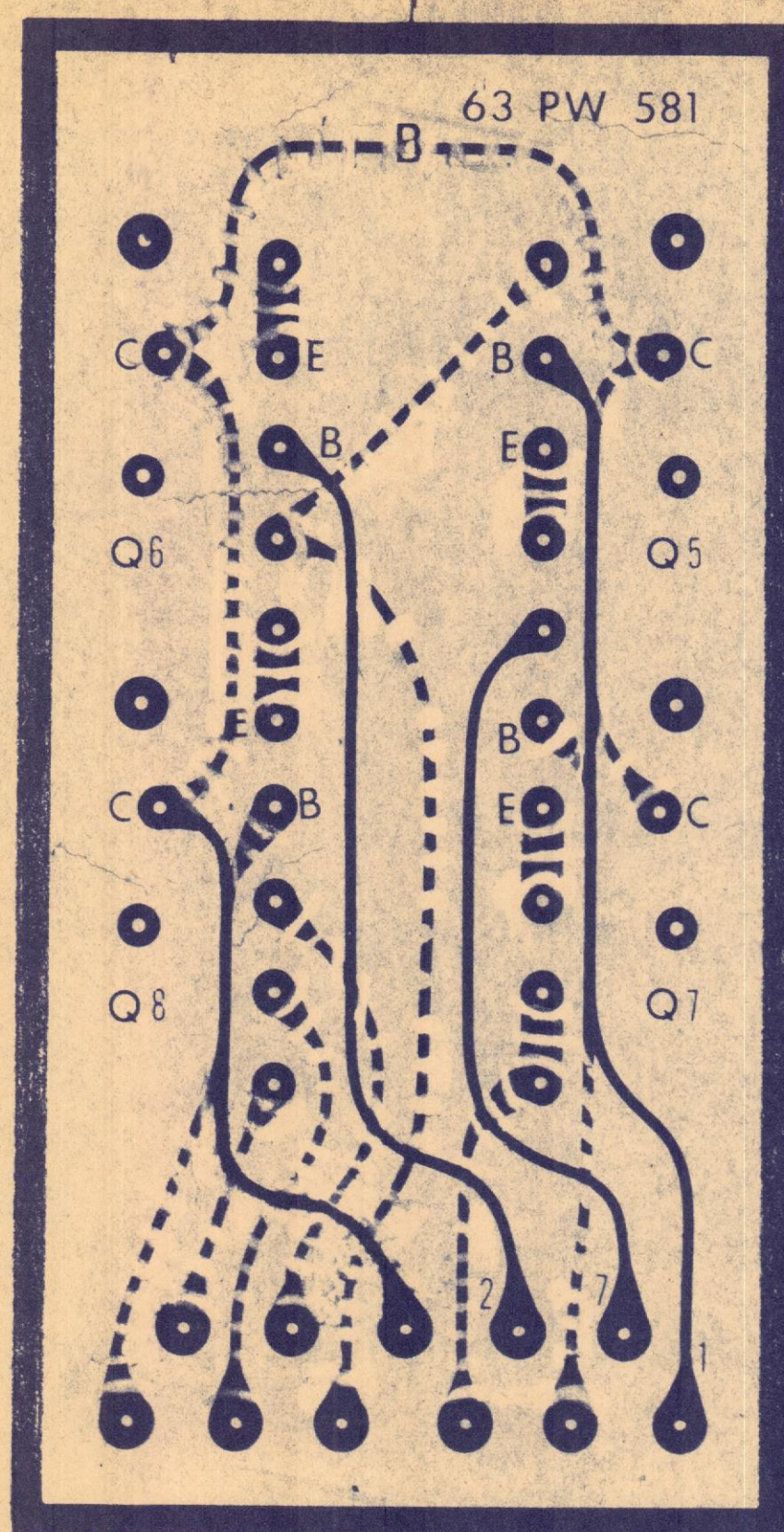
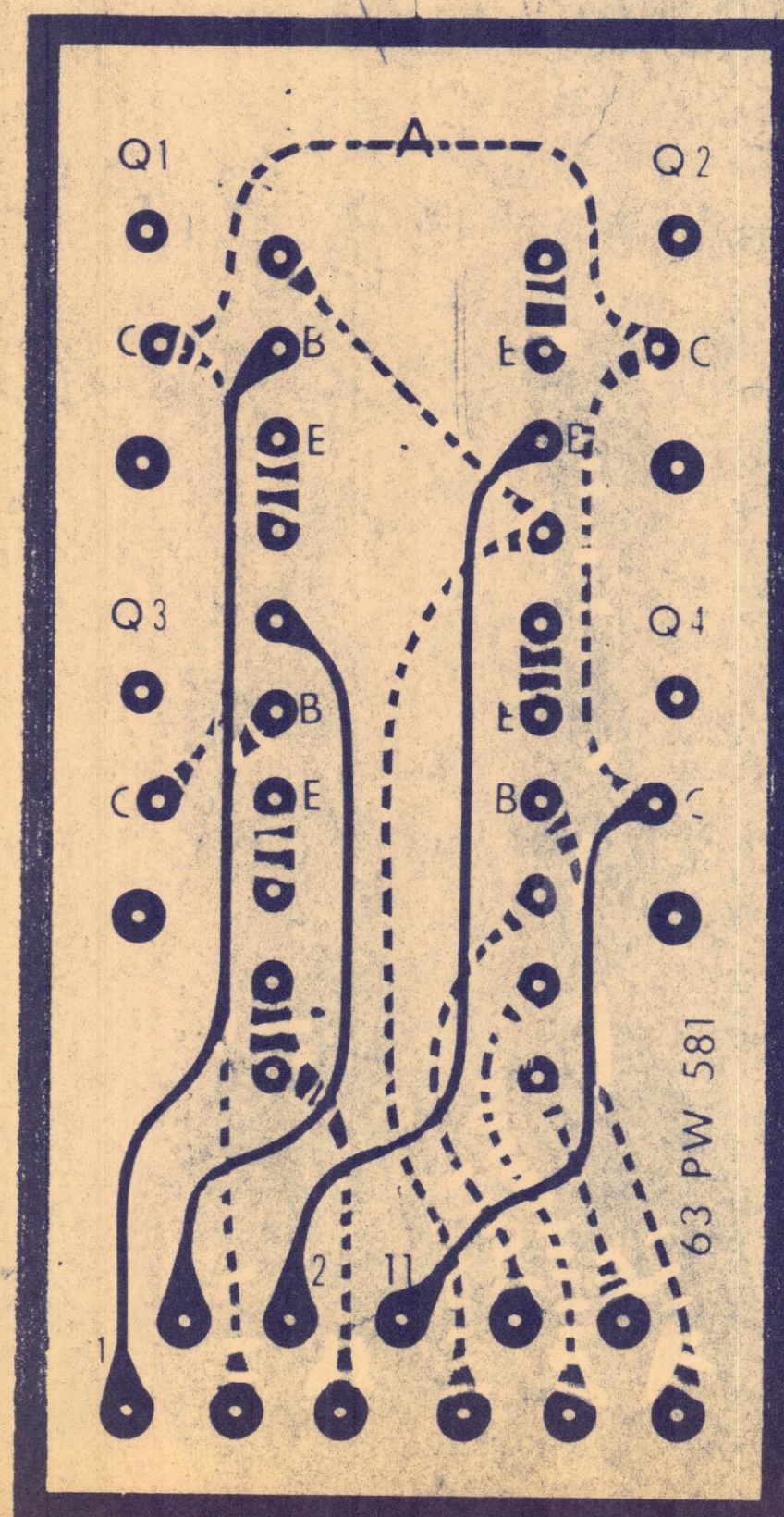
CARD A.

NOTES:

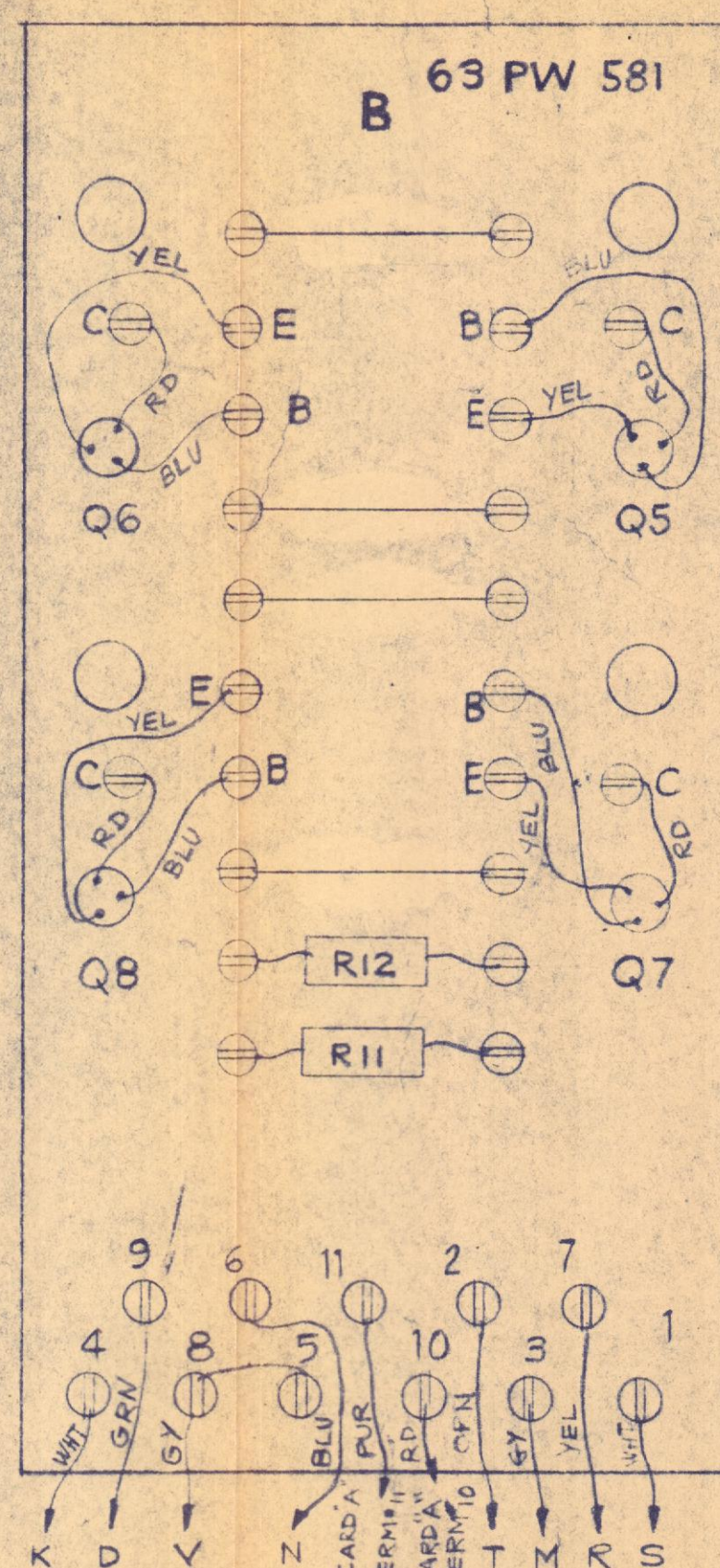
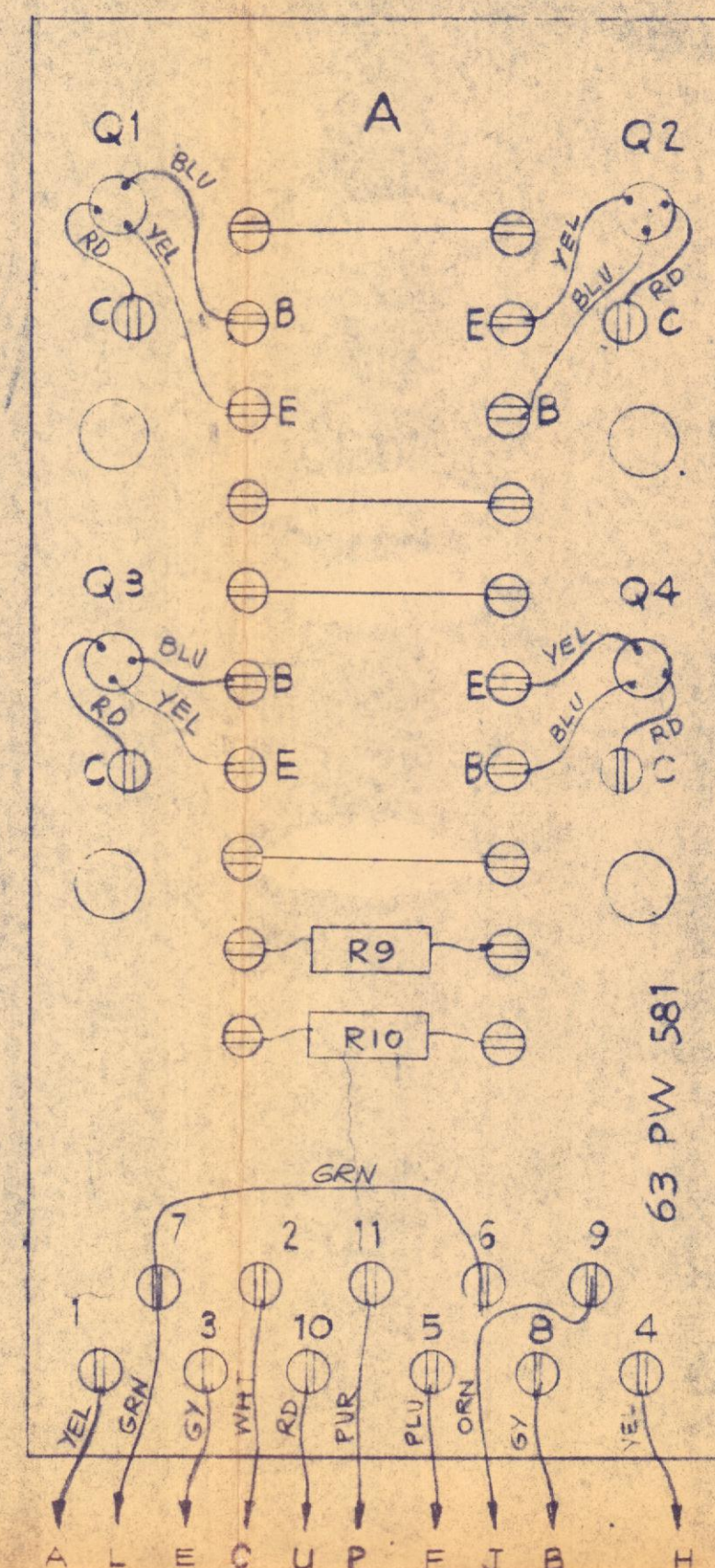
1. (A7) DENOTES, TERM
2. (H) DENOTES, PIN

D-67273

TOLERANCES NOT OTHERWISE SPECIFIED
DECIMAL $\pm .005$ FRACTIONAL $\pm 1/64$ ANGULAR $\pm 1/2^\circ$
DIMENSIONS ENCLOSED THUS $\pm .000$ FOR REFERENCE ONLY



COMPOSITE



COMPONENT

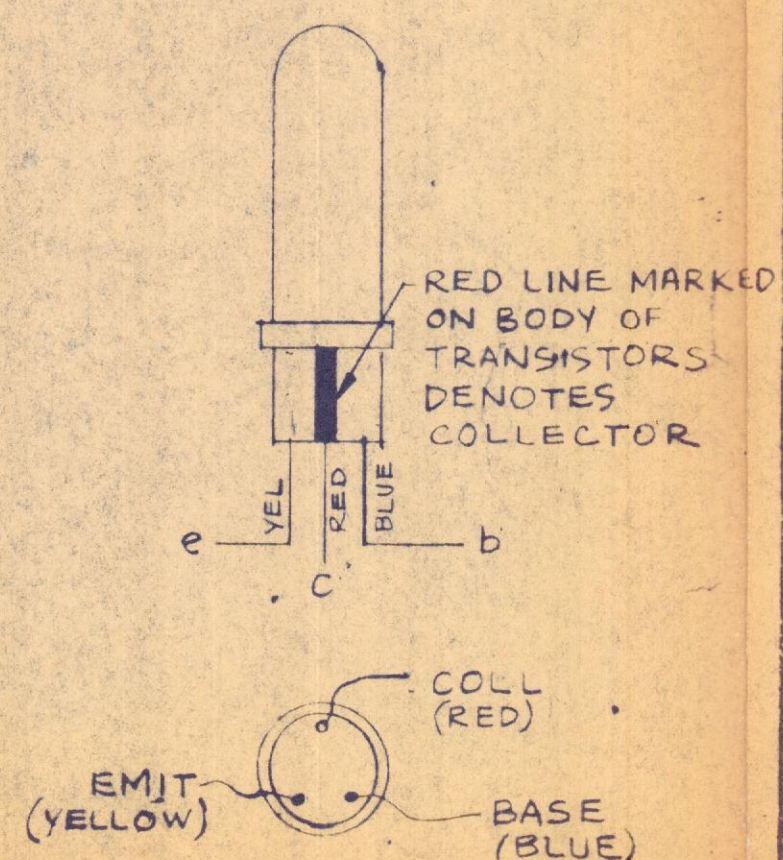
NOTES:-

- UNLESS OTHERWISE SPECIFIED:
 - TRANSISTORS ARE PHILCO #5122
 - ALL RESISTORS ARE IN OHMS & ARE $1/2$ WATT $\pm 5\%$
 - ALL CAPACITORS ARE IN μfd & ARE GLENCO MINIATURE CERAMIC $\pm 10\%$
- ALL WIRE #22 STRANDED

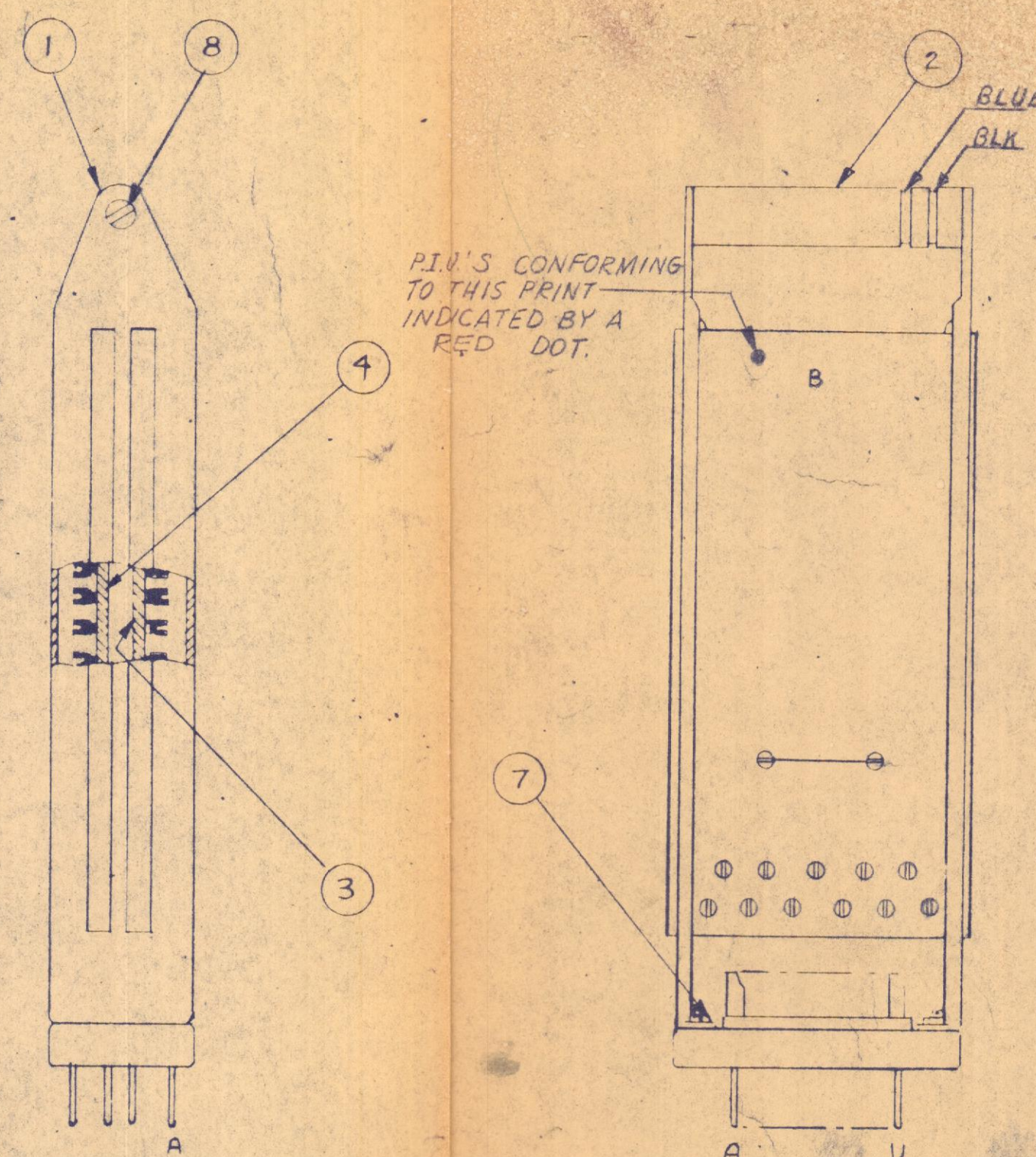
DRAWING REFERENCES:

- DETAIL CARD: A-67223
- 4:1 MASTER: B-
- DETAIL, PLUG-IN UNIT: C-66896
- DETAIL, HANDLE: B-66898
- PARTS LIST: PL-67273

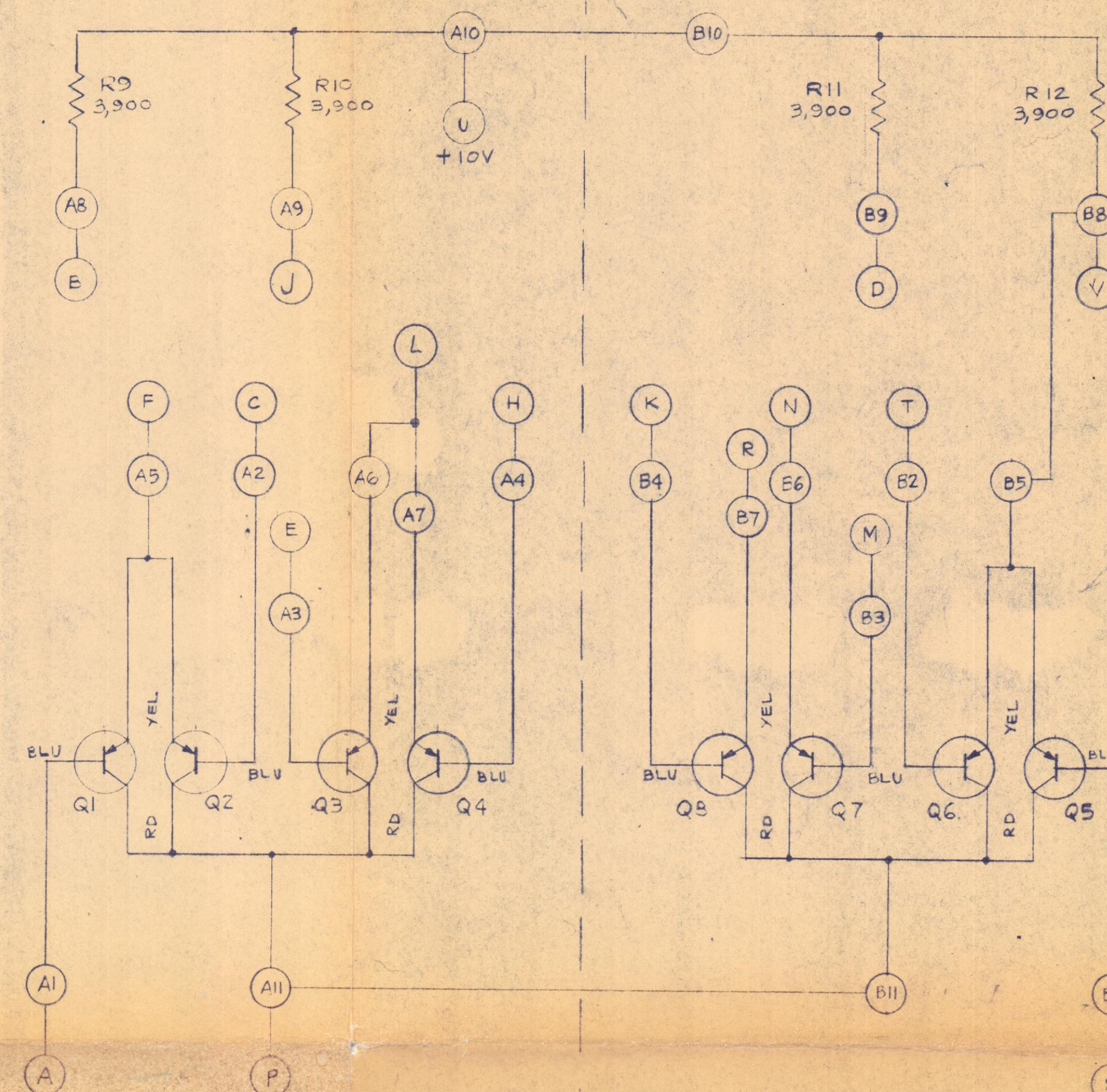
PHILCO #5122



SCALE 4:1



SCALE 1:1

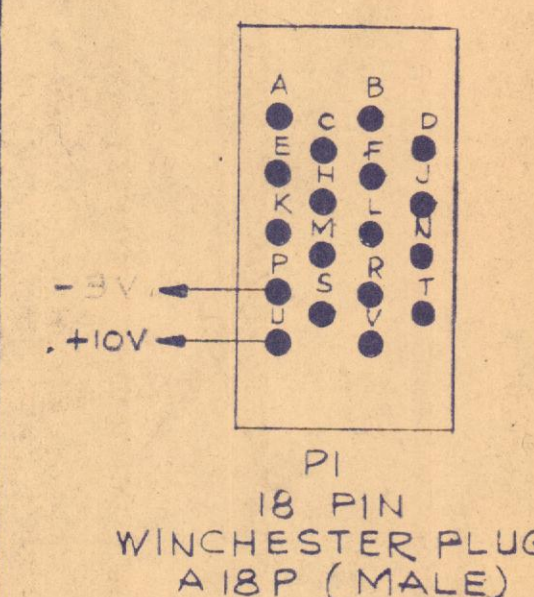


CARD "A"

CARD "B"

NOTES

- (A) DENOTES LUG 1 ON CARD "A"
(B) DENOTES PIN B ON PLUG PI

PI
18 PIN
WINCHESTER PLUG
A18P (MALE)

GRADE I FOR REFERENCE ONLY
GRADE II PRELIMINARY DESIGN
GRADE III FINAL DESIGN

GRADED BY: DATE:

ITEM MATERIAL-DESCRIPTION PART NO. QTY

LINCOLN LABORATORY DIV. 6
MASSACHUSETTS INSTITUTE OF TECHNOLOGY
LEXINGTON 73, MASS.ASSY, COMPOSITE, & SCHEMATIC, P.I.U.
(B) TRANSISTOR EMITTER FOLLOWER, TX2

SCALE 2:1 DR LSS 9-18-56

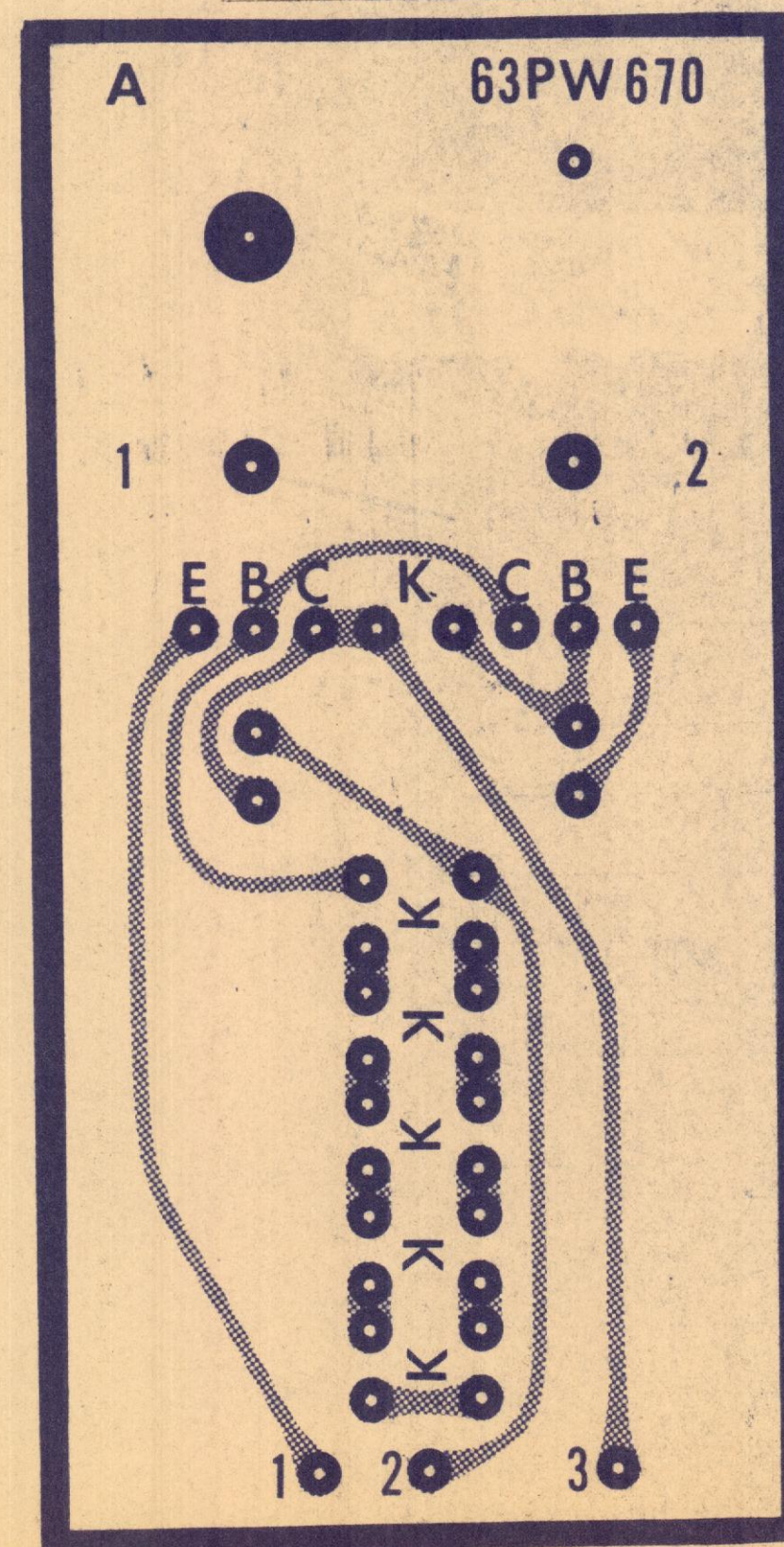
ENG 2-27-56 CK 2-27-56 APPD 9-29-56

D-67273

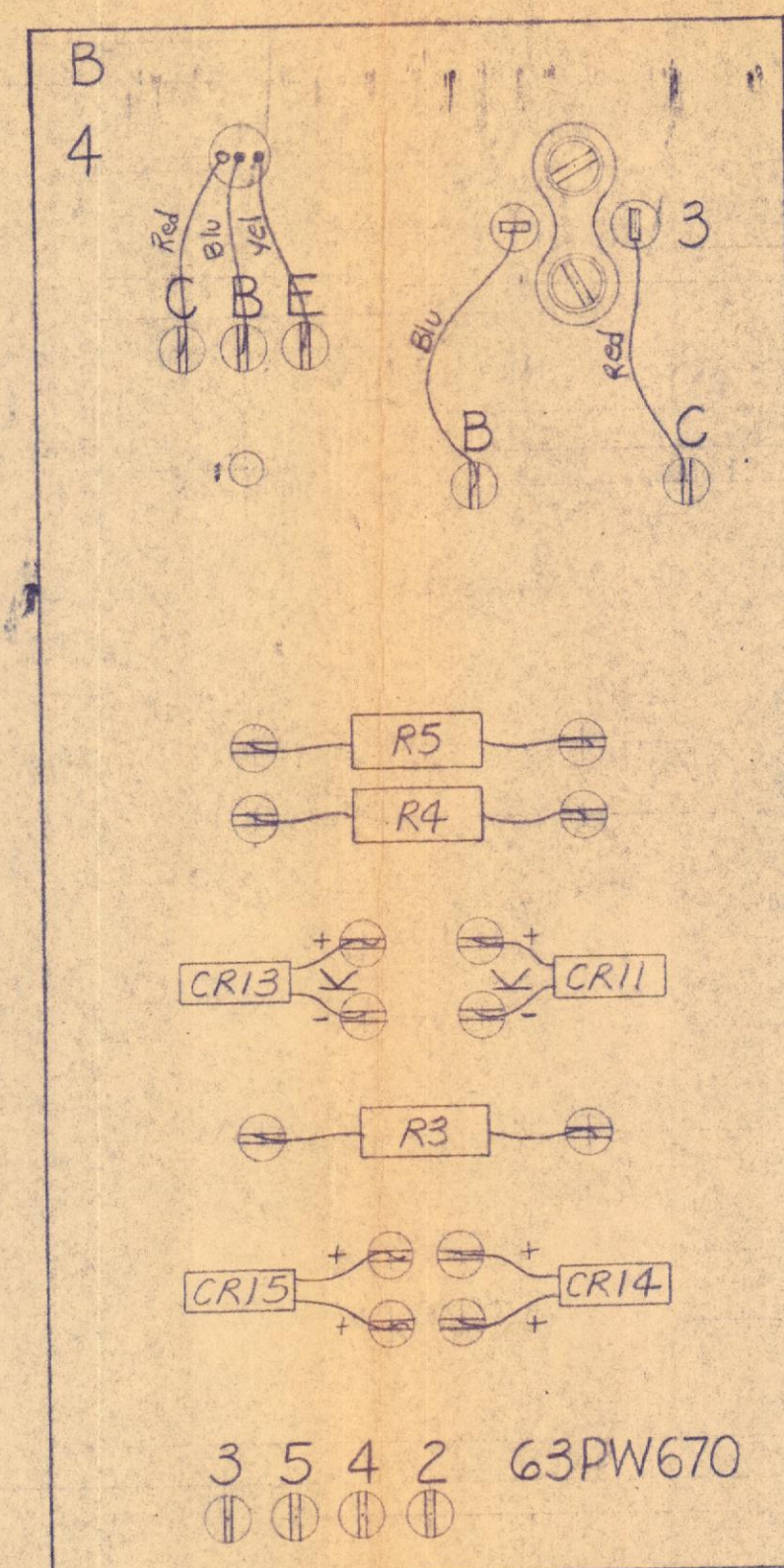
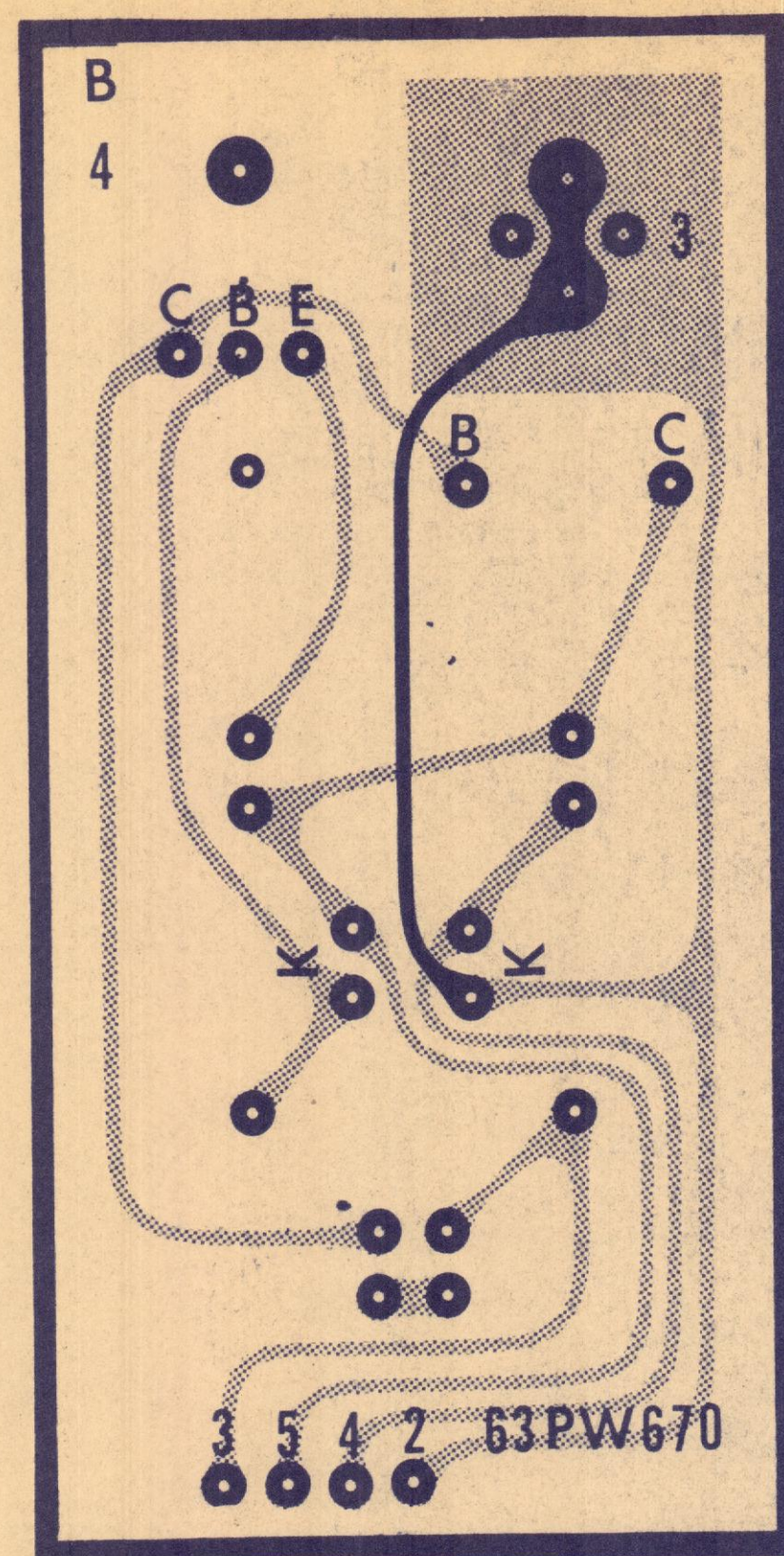
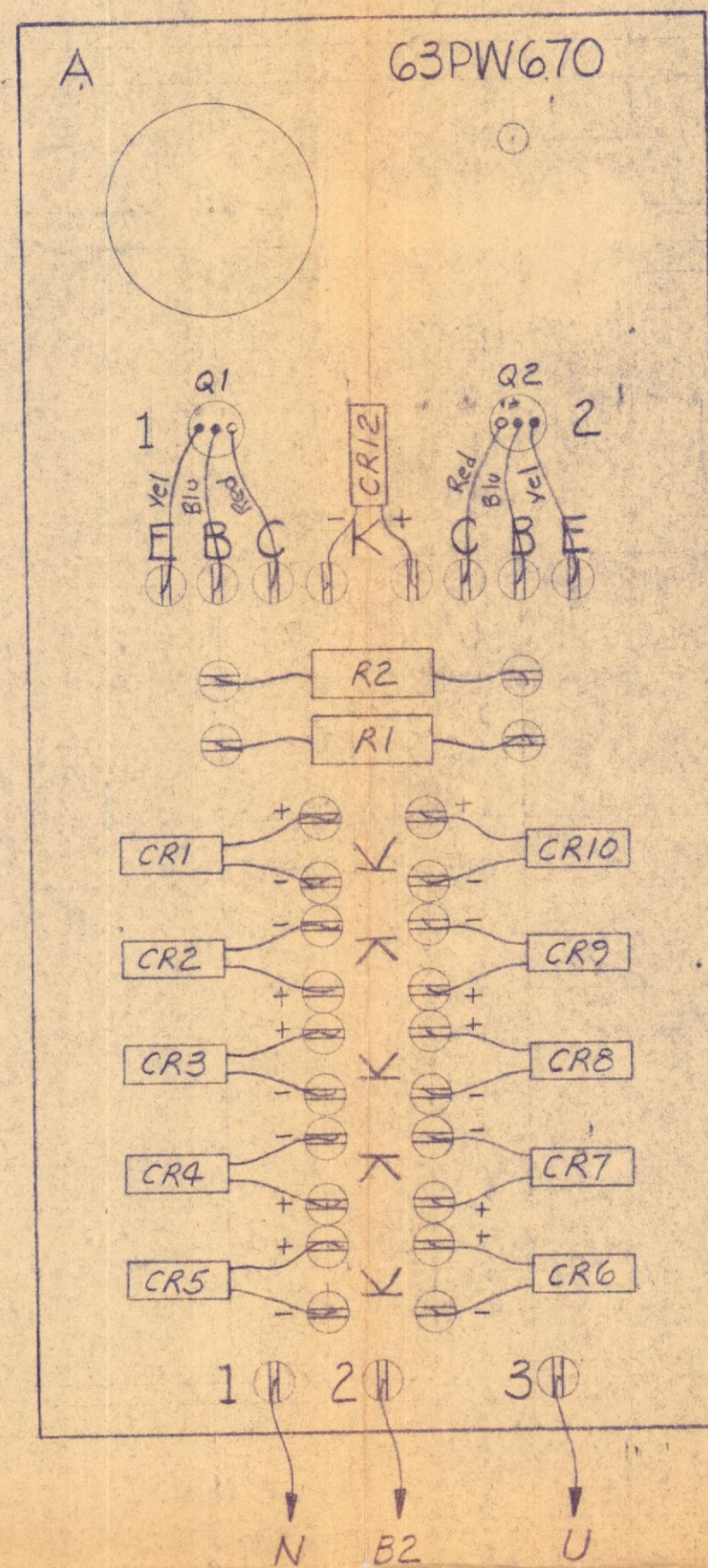
PRINT ISSUED
MAY 22 1957

TOLERANCES NOT OTHERWISE SPECIFIED
DECIMAL ± .005 FRACTIONAL ± 1/64 ANGULAR ± 1/2°
DIMENSIONS ENCLOSED THUS .000 FOR REFERENCE ONLY.

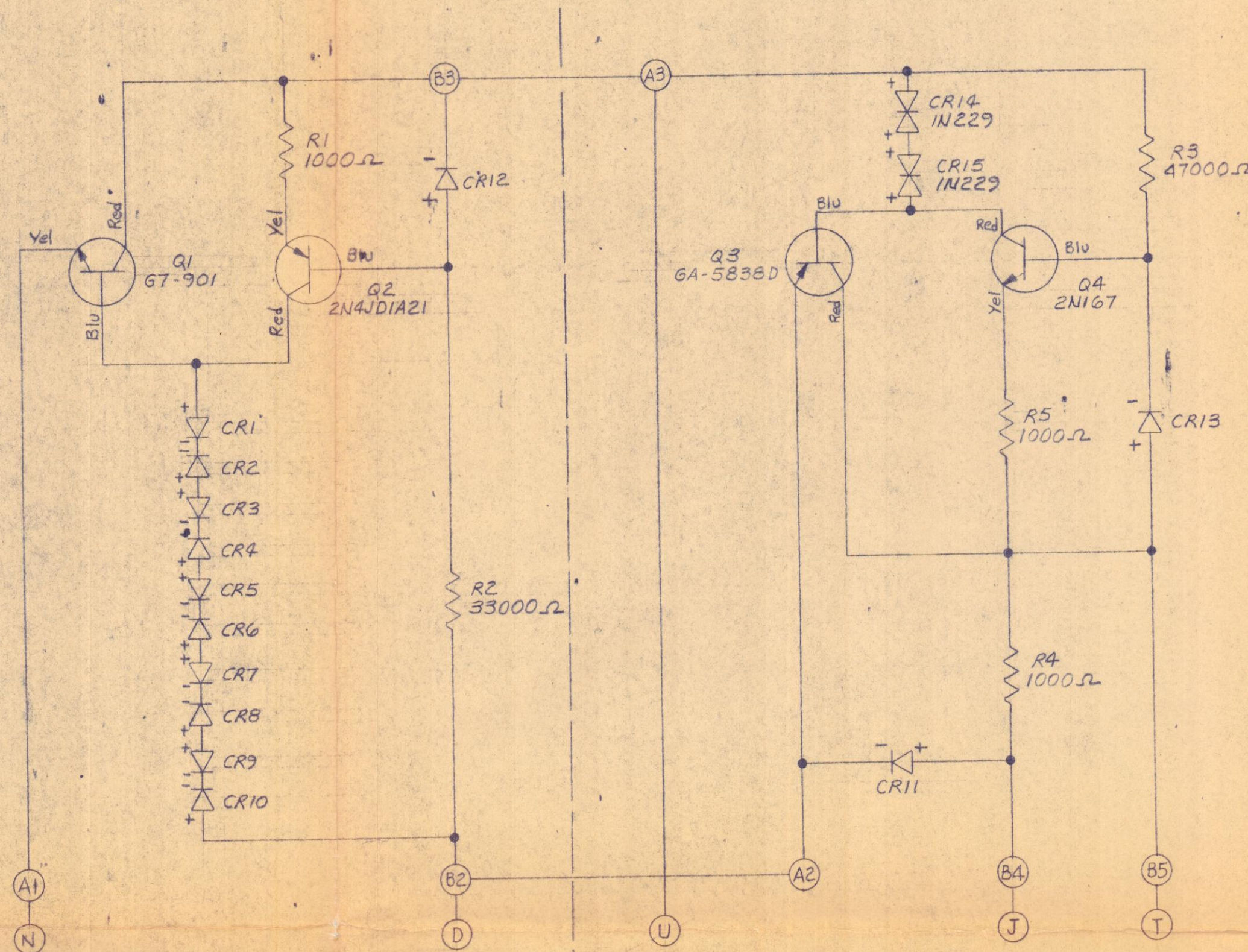
COMPOSITE



COMPONENT



SCHEMATIC:

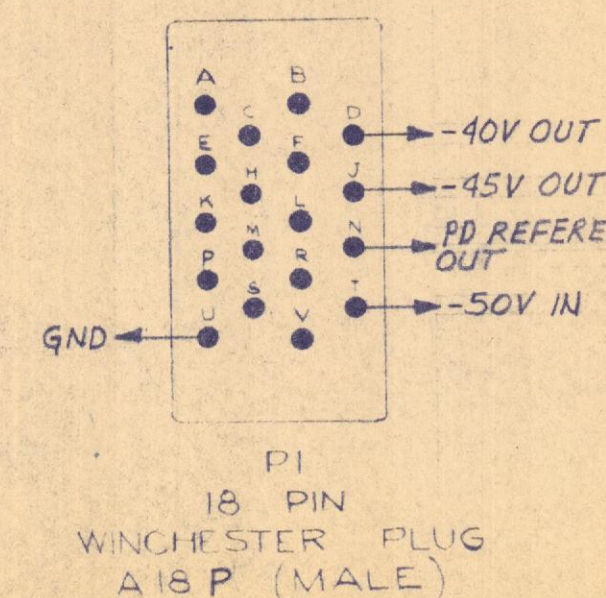


CARD A.

CARD B.

NOTES:

1. (A7) DENOTES, TERMINAL 7 CARD "A".
2. (H) DENOTES, PIN H ON PLUG P1.

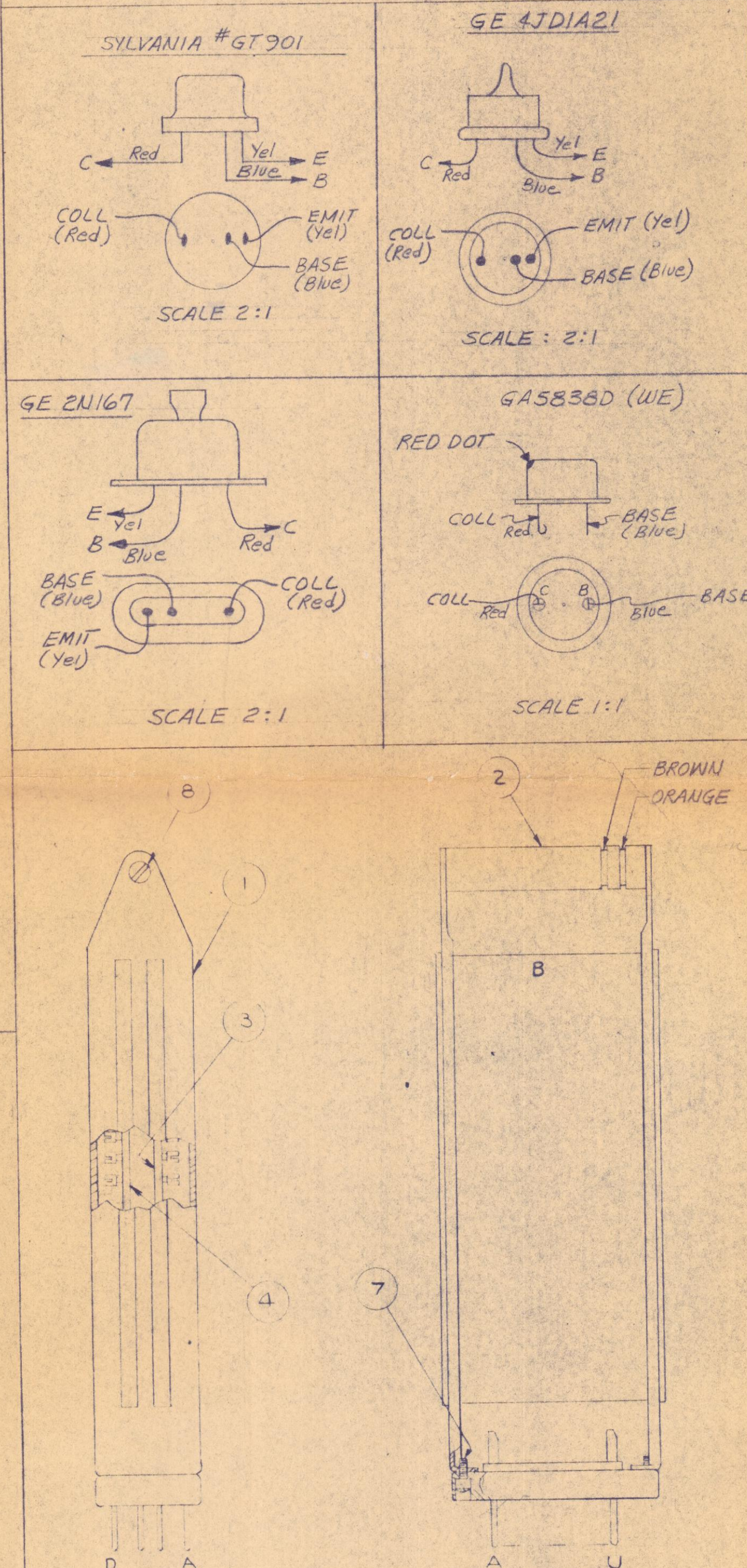


NOTES:

1. UNLESS OTHERWISE SPECIFIED:
A. ALL RESISTORS ARE 1/2 W. ± 5%.
B. CRYSTAL RECTIFIERS ARE EITHER RAY IN437A OR TI-651C9.
2. ALL WIRE #22 STRANDED.

DRAWING REFERENCE:

PARTS LIST: PL-69152



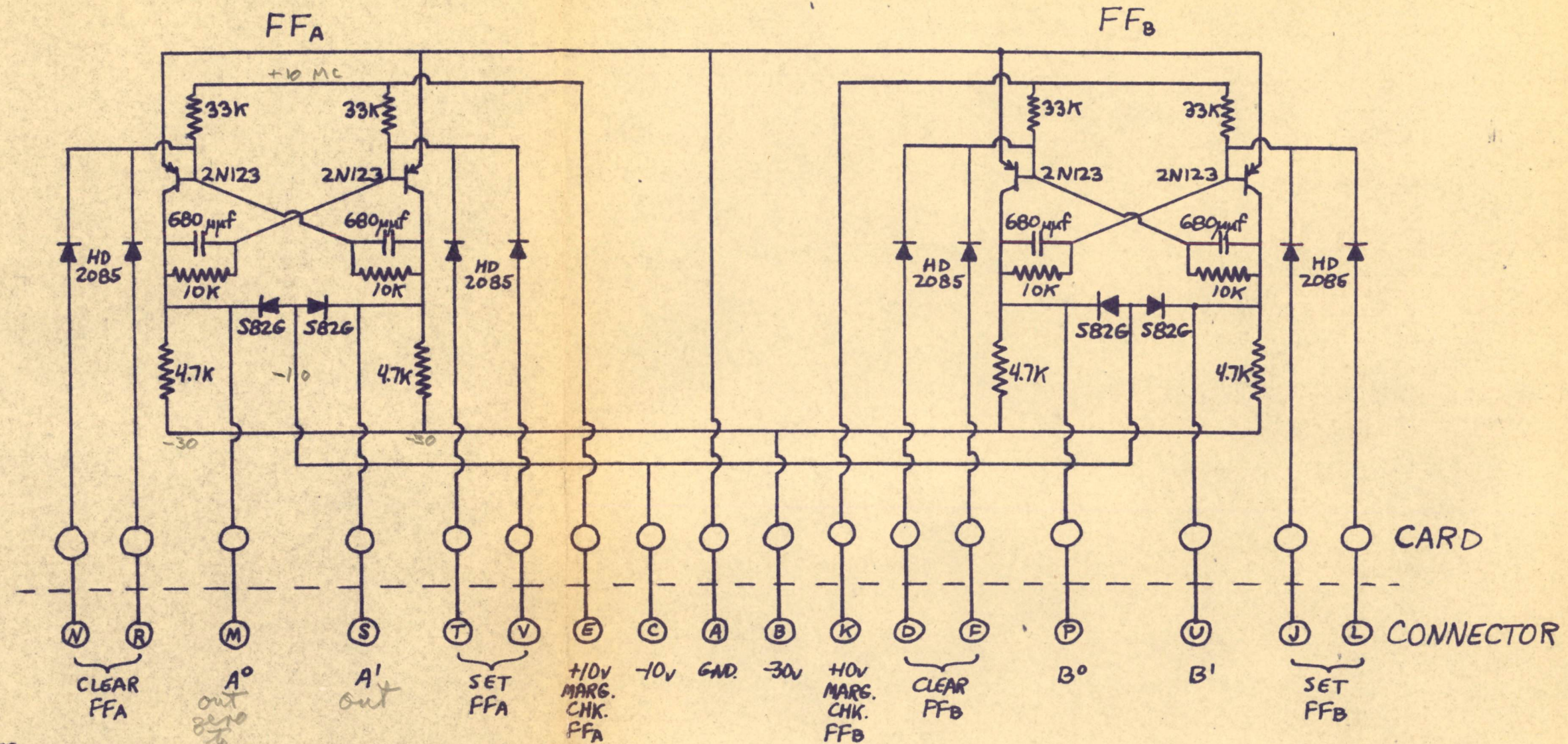
SCALE 1:1

PRINT ISSUED
MAY 24 1957

GRADE I FOR REFERENCE ONLY		GRADE II PRELIMINARY DESIGN		GRADE III FINAL DESIGN	
DATE	APPD.	DATE	APPD.	DATE	APPD.
5/23/57	6/1/57	5/23/57	6/1/57	5/23/57	6/1/57
LINCOLN LABORATORY DIV. 6 MASSACHUSETTS INSTITUTE OF TECHNOLOGY LEXINGTON 73, MASS.					
ASSY. COMPOSITE & SCHEMATIC, P.I.U. DECODER POWER UNIT, TX-2					
SCALE: 2:1					
ENG. 5/23/57 CK. 5/16/57 APPD. 5/16/57					
D-69152					

SB-80047

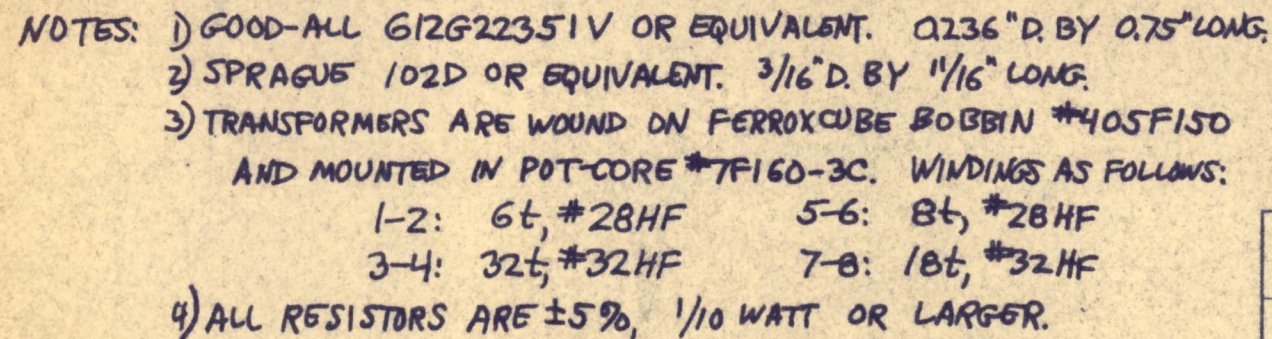
TOLERANCES NOT OTHERWISE SPECIFIED
DECIMAL $\pm .005$ FRACTIONAL $\pm 1/64$ ANGULAR $\pm 1/2^\circ$
DIMENSIONS ENCLOSED THUS .000 FOR REFERENCE ONLY



NOTES: 1) ALL RESISTORS 1/2W, $\pm 5\%$
2) ZERO VOLTS IS "0"; -10V IS "1".

GRADE I FOR REFERENCE ONLY		PRINT ISSUED	
21 FEB 57 GRADE II PRELIMINARY DESIGN		APR 26 1957	
GRADE III FINAL DESIGN			
GRADED BY: DATE:		ITEM	MATERIAL - DESCRIPTION
			PART NO.
			QTY.
		LINCOLN LABORATORY DIV. 6	
		MASSACHUSETTS INSTITUTE OF TECHNOLOGY	
		LEXINGTON 73, MASS.	
		REMOTE DISPLAY FLIP-FLOP PLUG-IN	
		SCALE:	DR. <i>M.F. Santilman</i>
		ENG. W.F.J.	CK.
		APPD. 21 FEB 57	SB-80047

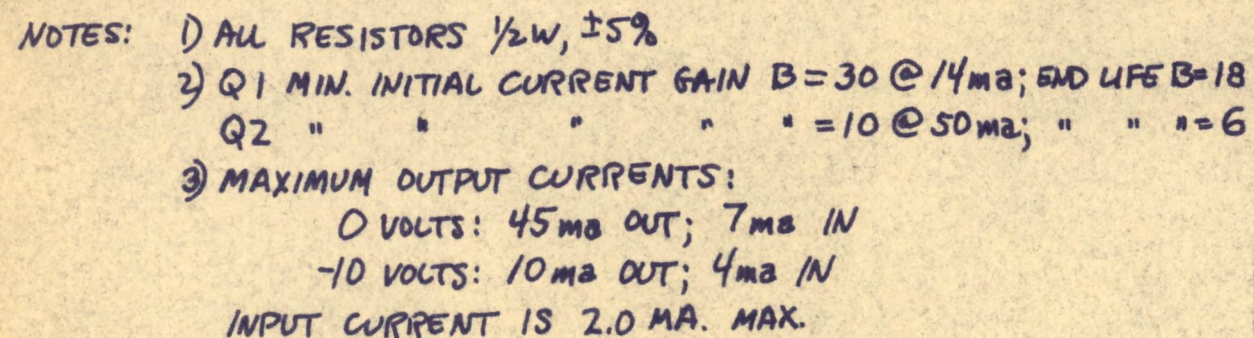
TOLERANCES NOT OTHERWISE SPECIFIED
DECIMAL $\pm .005$ FRACTIONAL $\pm 1/64$ ANGULAR $\pm 1/2^\circ$
DIMENSIONS ENCLOSED THUS .000 FOR REFERENCE ONLY



GRADED BY: DATE:

ITEM	MATERIAL - DESCRIPTION	PART NO.	QTY.
LINCOLN LABORATORY DIV. 6 MASSACHUSETTS INSTITUTE OF TECHNOLOGY LEXINGTON 73. MASS.			
REMOTE DISPLAY BLOCKING OSCILLATOR			
SCALE:	DR. <i>W.F. Santelmann</i>	5B-81080	
ENG. <i>W.F.S.</i>	CK.	APPD.	18 APR 57

TOLERANCES NOT OTHERWISE SPECIFIED
DECIMAL $\pm .005$ FRACTIONAL $\pm 1/64$ ANGULAR $\pm 1/2^\circ$
DIMENSIONS ENCLOSED THUS .000 FOR REFERENCE ONLY



GRADE I FOR REFERENCE ONLY
GRADE II PRELIMINARY DESIGN
GRADE III FINAL DESIGN

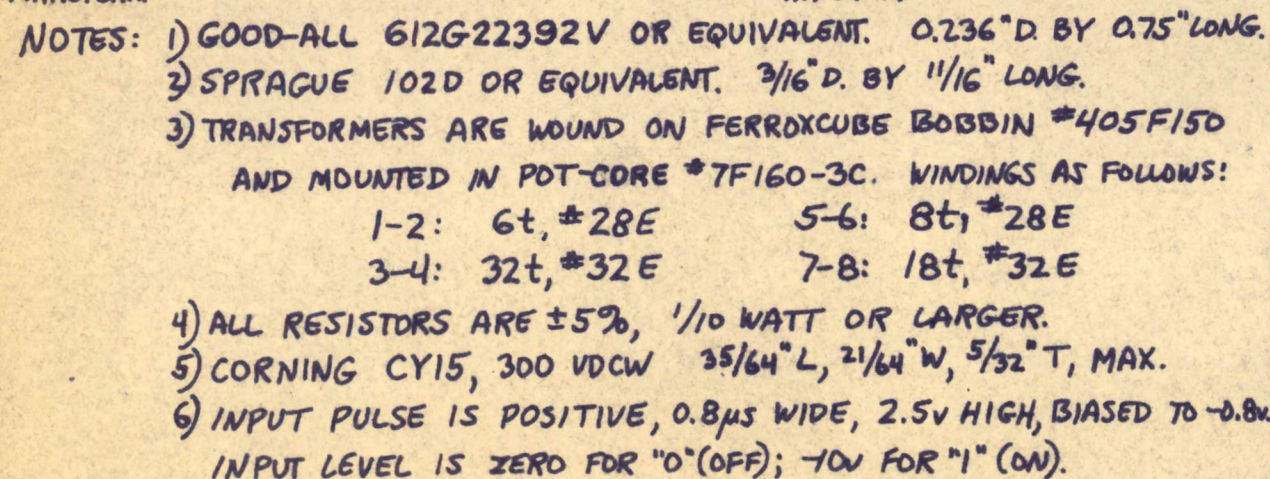
GRADED BY: DATE:

PRINT ISSUED

APR 26 1957

-20		CN#	DATE	APPD.	LINCOLN LABORATORY DIV. 6 MASSACHUSETTS INSTITUTE OF TECHNOLOGY LEXINGTON 73. MASS. REMOTE DISPLAY INVERTER PACKAGE
-19		SCALE:	DW	M.F. Santelmann Jr.	SB-80322
-18		ENG.	CK.	APPD.	
-17		W.F.S.		7MAR57	
-16					
-15					
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-1					

TOLERANCES NOT OTHERWISE SPECIFIED
DECIMAL $\pm .005$ FRACTIONAL $\pm 1/64$ ANGULAR $\pm 1/2^\circ$
DIMENSIONS ENCLOSED THUS .000 FOR REFERENCE ONLY



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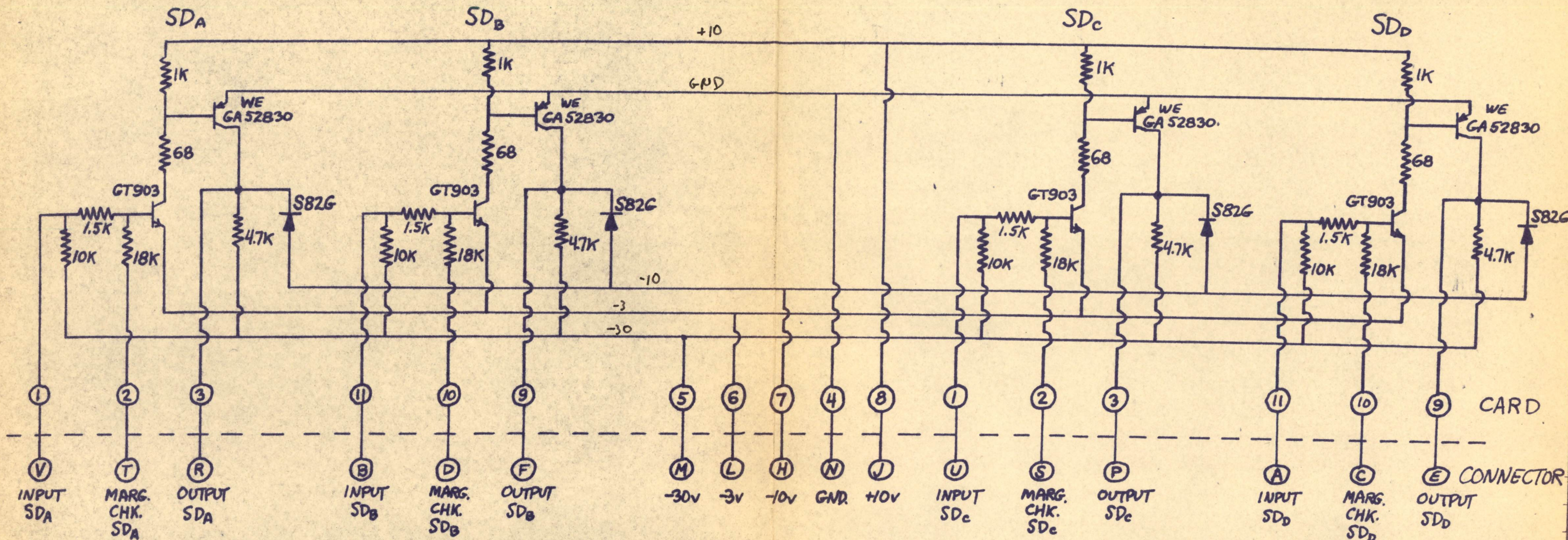
ITEM	MATERIAL - DESCRIPTION	PART NO.	QTY
LINCOLN LABORATORY DIV. 6 MASSACHUSETTS INSTITUTE OF TECHNOLOGY LEXINGTON 73. MASS.			
REMOTE DISPLAY GATE PACKAGE			
SCALE:	DR. <i>W.F. Santelmann</i>	SB-80052	
ENG. W.F.S.	CK.	APPD. 27 FEB 57	

SB-80046

TOLERANCES NOT OTHERWISE SPECIFIED
 DECIMAL $\pm .005$ FRACTIONAL $\pm 1/64$ ANGULAR $\pm 1/2^\circ$
 DIMENSIONS ENCLOSED THUS .000 FOR REFERENCE ONLY

CARD A

CARD B



- NOTES: 1) ALL RESISTORS $1/2W, \pm 5\%$
 2) INITIAL TRANSISTOR LIMITS:

	MIN B	@ I_c (mA)	@ V_{ce}	MAX I_c (μA)
GA52830	25	330	-1.5	40*
GT903	33	30	+1.5	50**

- 3) LIFE END POINTS:

	B	I_c
GA52830	17.5	520*
GT903	23	300**

* MEASURED IN SD CIRCUIT
 WHEN GT903 IS REMOVED.
 ** MEASURED IN SD CIRCUIT
 WITH -10V INPUT IS APPLIED.

GRADE I FOR REFERENCE ONLY
 21 FEB 57 GRADE II PRELIMINARY DESIGN
 GRADE III FINAL DESIGN
 GRADED BY: DATE:

CHG.	ENG.	CK.	APPD.	DATE	CN#	ITEM	MATERIAL - DESCRIPTION	PART NO.	QTY.
-20									
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-18									
-17									
-16									
-15									
-14									
-13									
-12									
-11									
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-6									
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-4									
-3									
-2									
-1									

PRINT ISSUED

APR 26 1957

LINCOLN LABORATORY DIV. 6
 MASSACHUSETTS INSTITUTE OF TECHNOLOGY
 LEXINGTON 73, MASS.

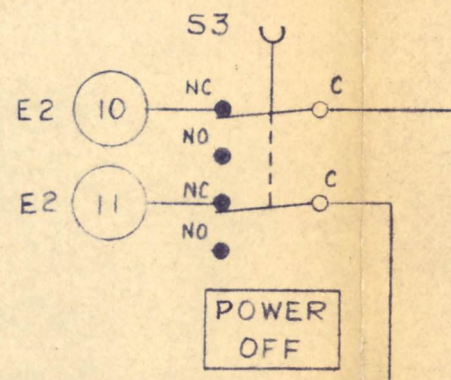
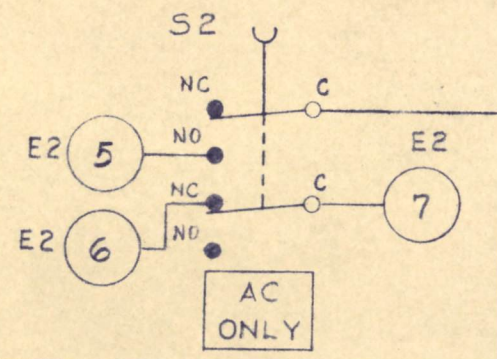
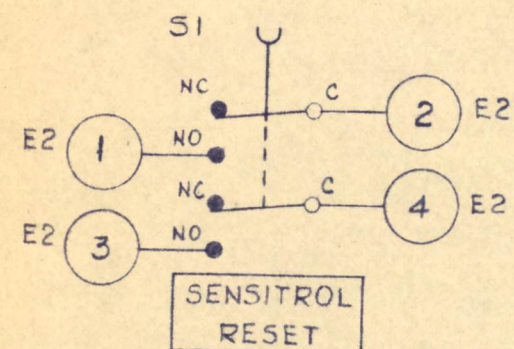
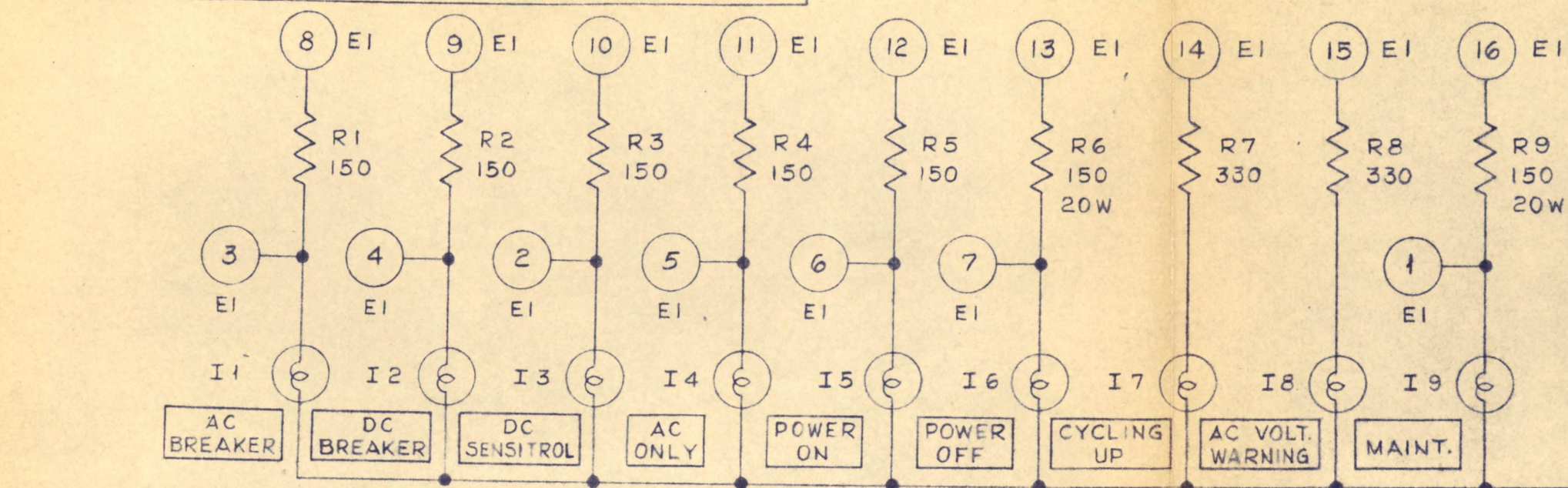
REMOTE DISPLAY SELECTOR DRIVER
 (NON-INVERTING, UNITY GAIN POWER AMPLIFIER)

SCALE: DR. W.F. Santelmann
 ENG. W.F.S. CK. APPD. 21 FEB 57

SB-80046

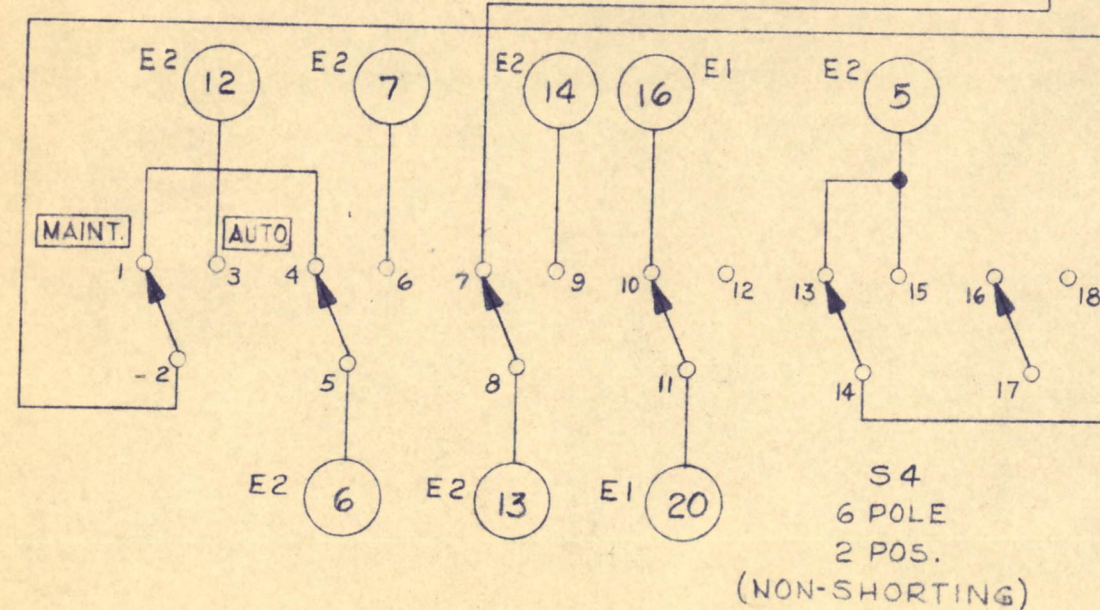
B-66775

TOLERANCES NOT OTHERWISE SPECIFIED
DECIMAL $\pm .005$ FRACTIONAL $\pm 1/64$ ANGULAR $\pm 1/2^\circ$
DIMENSIONS ENCLOSED THUS .000 FOR REFERENCE ONLY



NOTES:
1. UNLESS OTHERWISE SPECIFIED:
A. RESISTORS ARE IN OHMS, 12W, $\pm 5\%$.
B. INDICATOR LIGHTS ARE 28 VOLT 0.17 AMP.
C. SWITCHES ARE DUAL PUSH MOMENTARY CONTACT MINIA-TURE SENSITIVE.

DRAWING REFERENCES:
1. ASSEMBLY: D-66776
2. PARTS LIST: PL-66776



GRADE I FOR REFERENCE ONLY
GRADE II PRELIMINARY DESIGN
GRADE III FINAL DESIGN
GRADED BY: DATE:

PRINT ISSUED

FEB 27 1957

APPD.

DATE

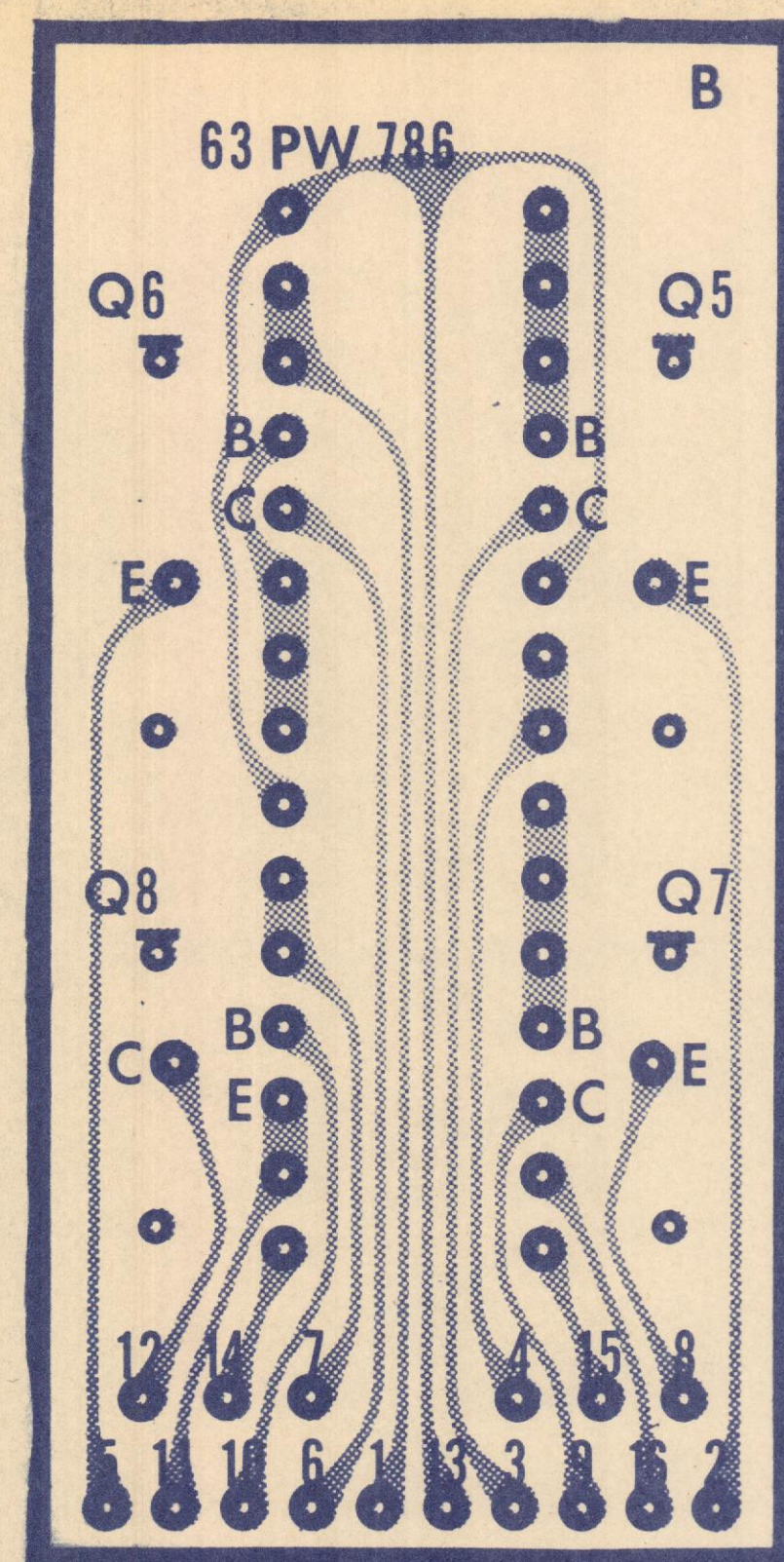
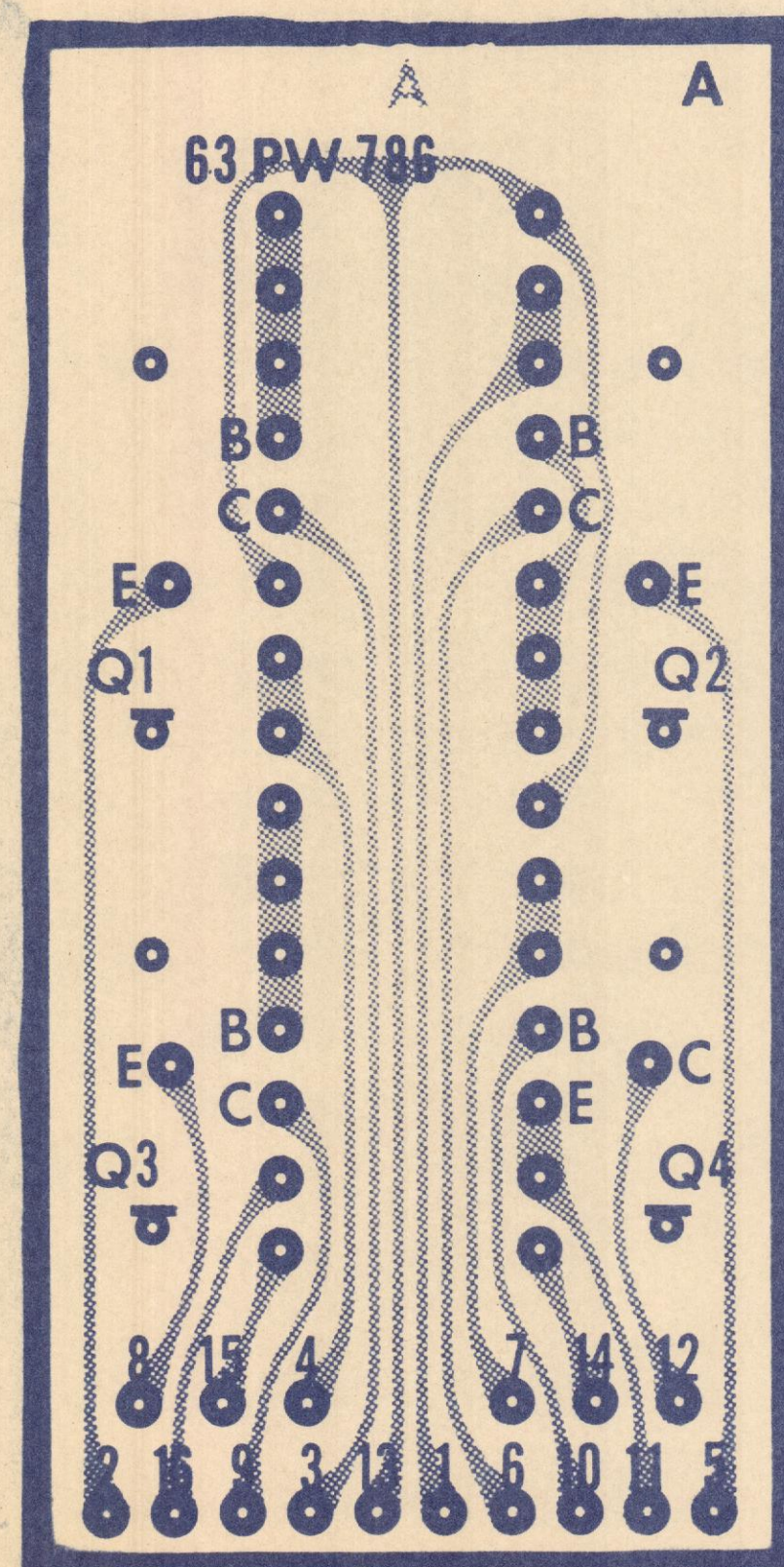
CN#

CHG.

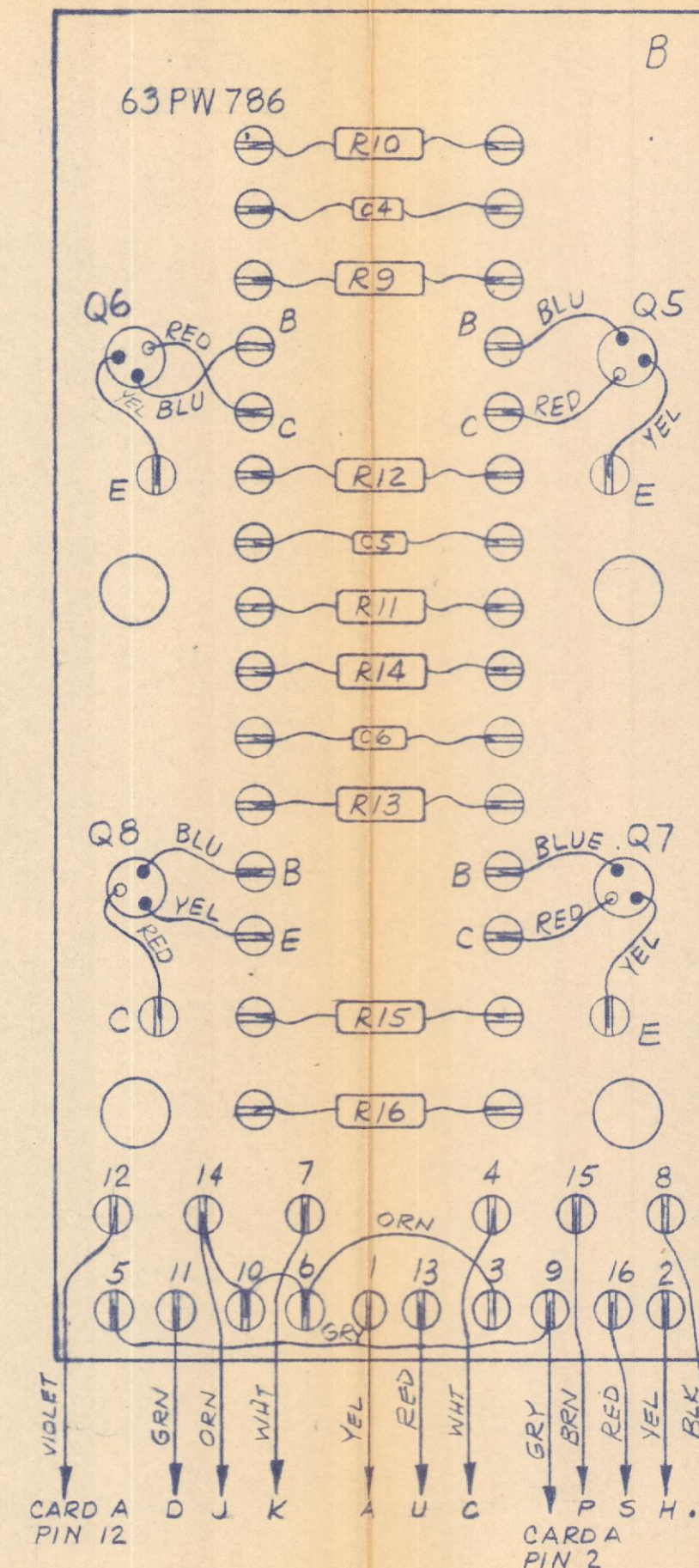
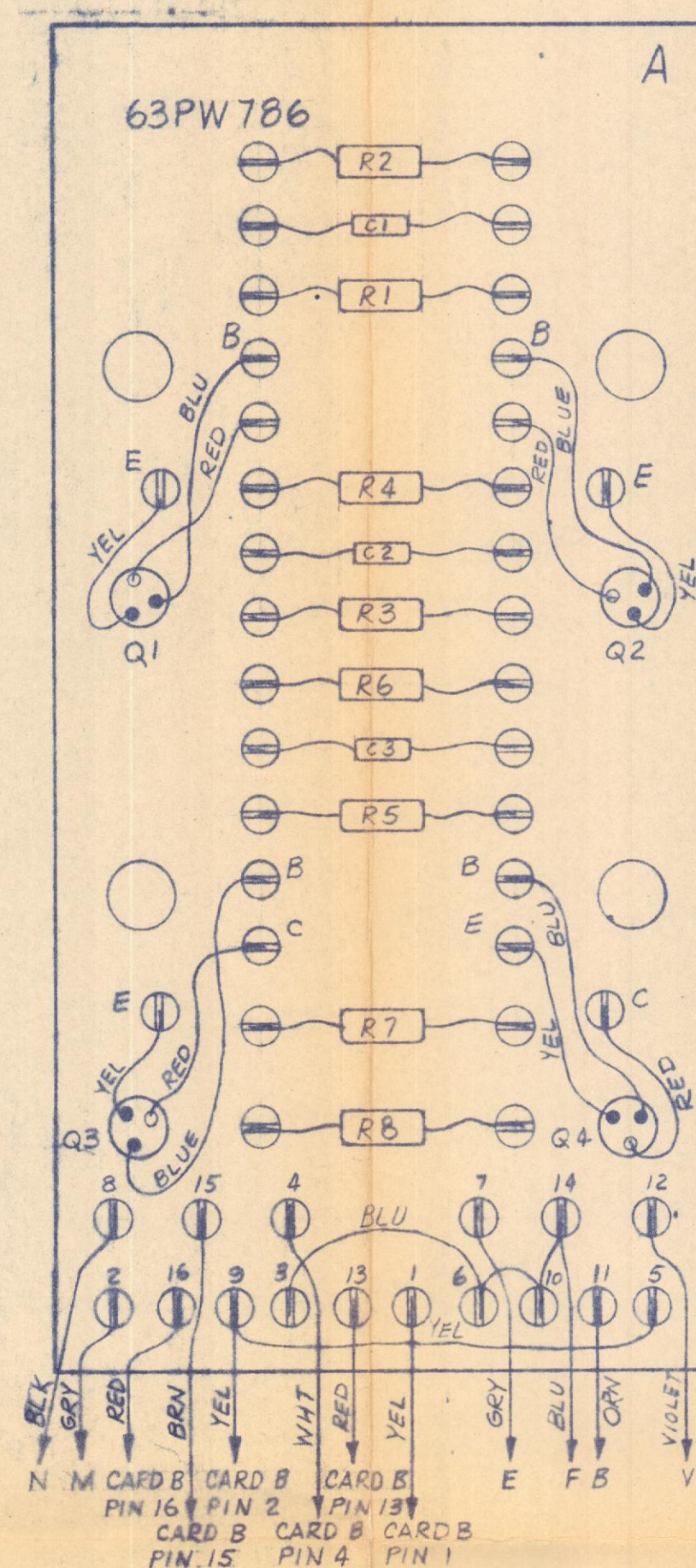
ITEM	MATERIAL - DESCRIPTION	PART NO.	QTY.
LINCOLN LABORATORY DIV. 6 MASSACHUSETTS INSTITUTE OF TECHNOLOGY LEXINGTON 73, MASS.			
CIRCUIT SCHEMATIC, POWER ROOM, POWER CONTROL PANEL, TX-O			
SCALE: _____		DR. JK 8-16-56	
ENG. <i>J. D. Charles</i>		APPD. _____	

B-66775

COMPOSITE



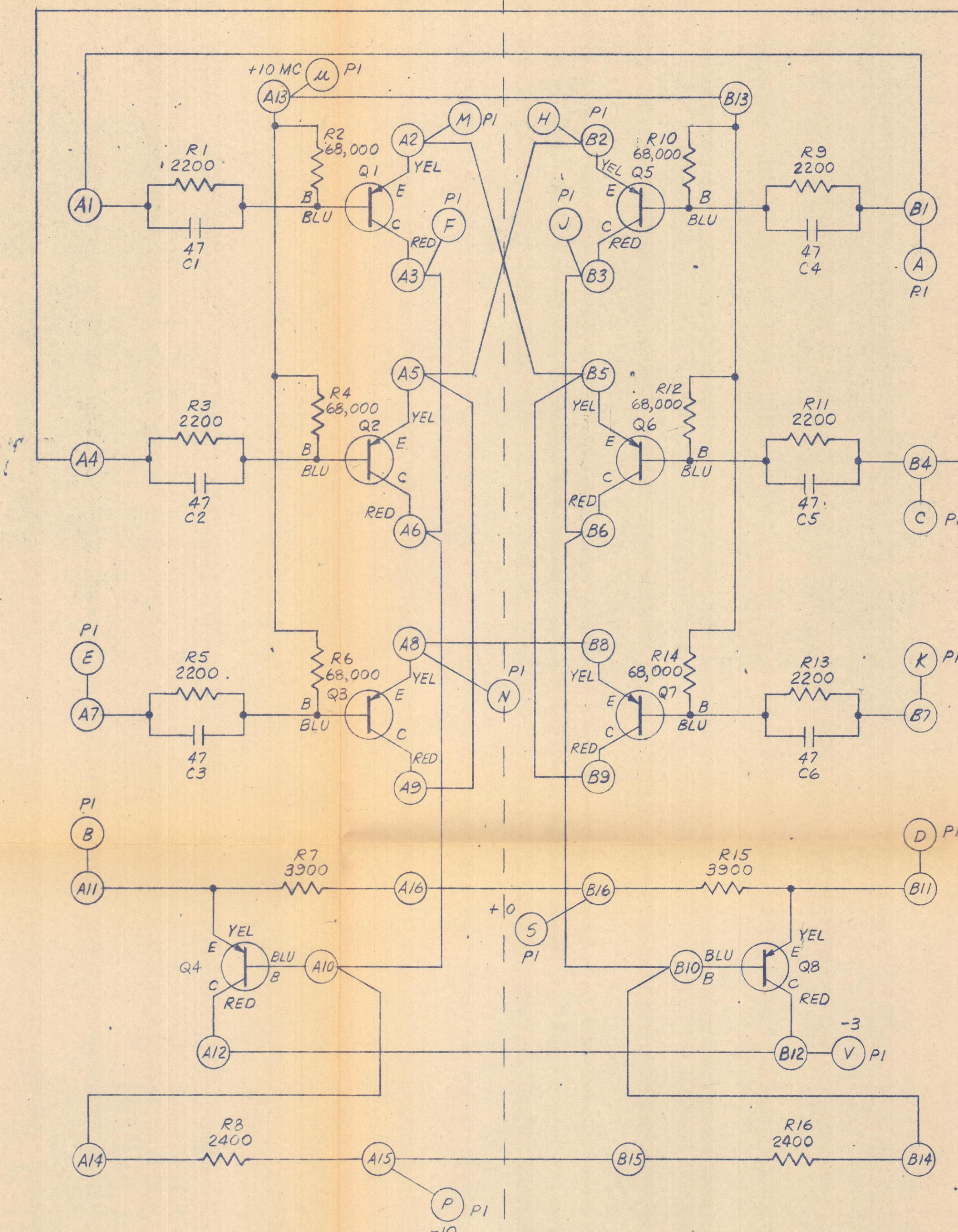
COMPONENT



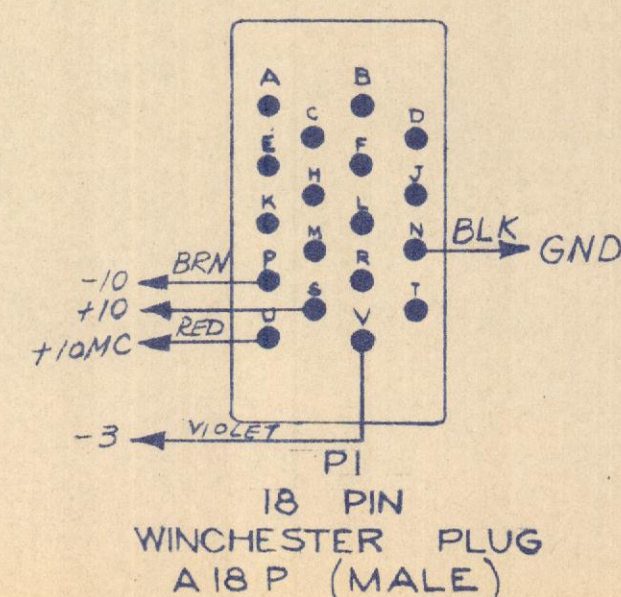
CARD A

SCHEMATIC:

CARD B



(A7) DENOTES, TERMINAL 7 CARD "A".
(H) DENOTES, PIN H ON PLUG PI.

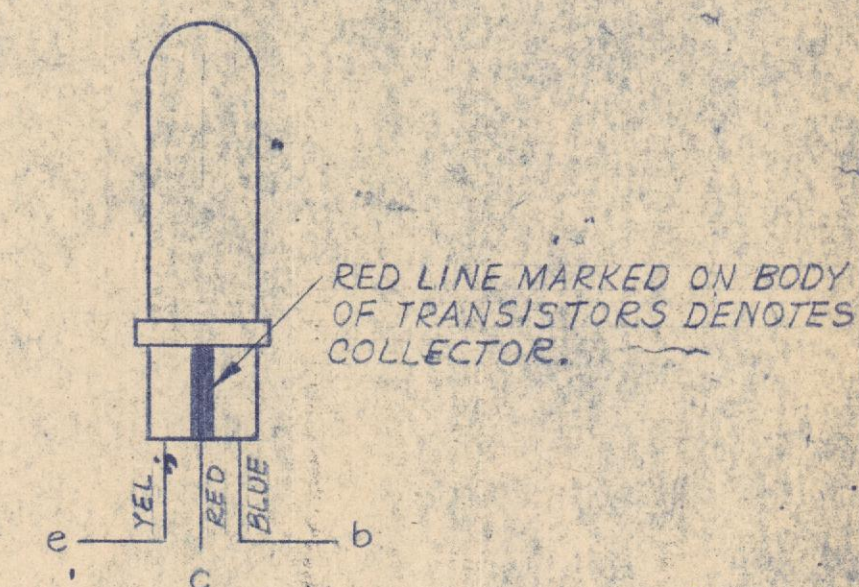


NOTES
1. UNLESS OTHERWISE SPECIFIED:
A. ALL TRANSISTORS ARE PHILCO L-5122.
B. ALL RESISTORS ARE IN $\pm 5\%$ 1/2 W.
C. ALL CAPACITORS ARE IN μMUF & ARE
GLENKO MINIATURE CERAMIC $\pm 10\%$.
2. ALL WIRE #22 STRANDED.

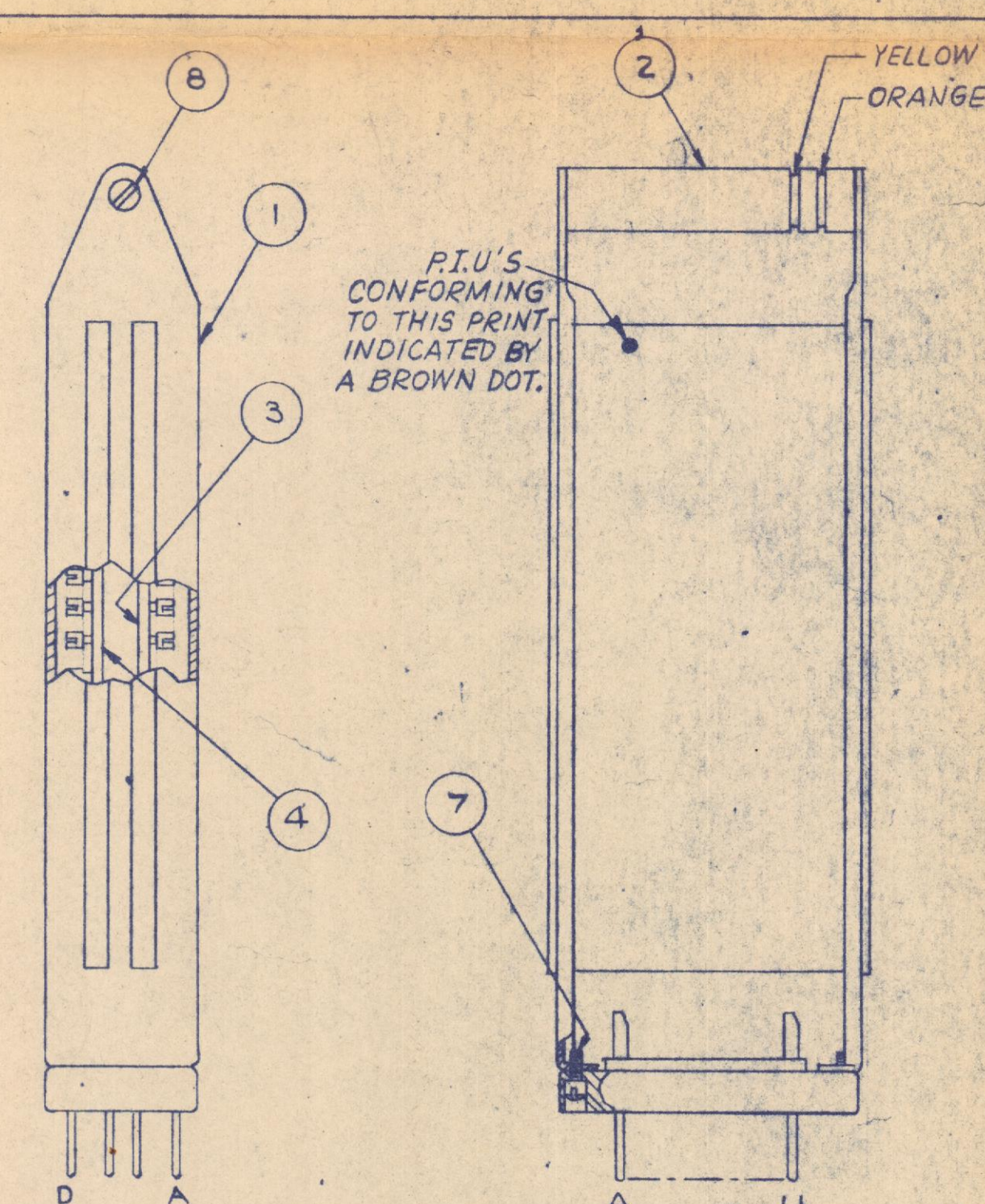
DRAWING REFERENCE:

PARTS LIST: PL-81271

PHILCO #5122



SCALE 4:1



SCALE 1:1

PRINT ISSUED
MAY 27 1957

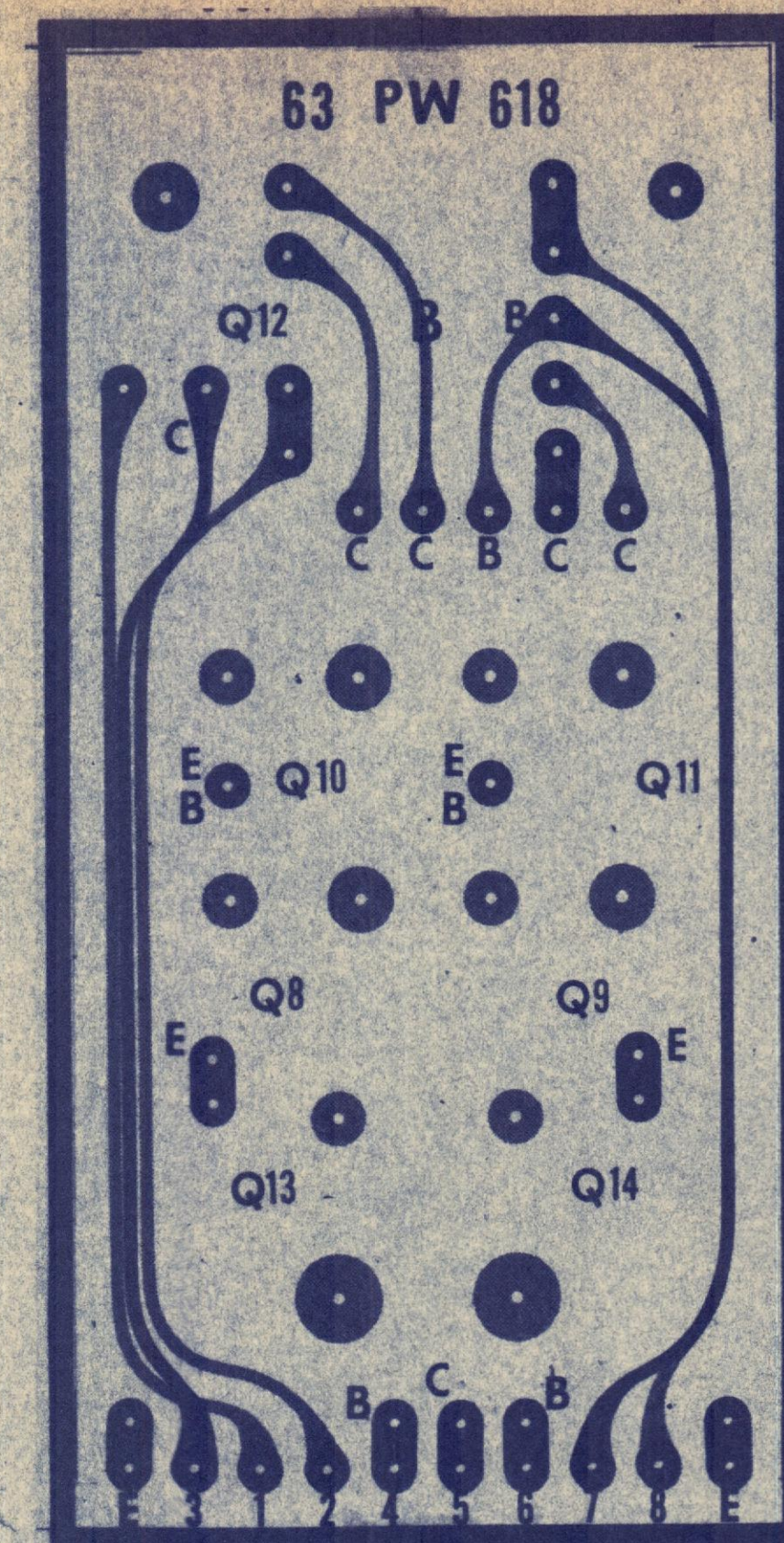
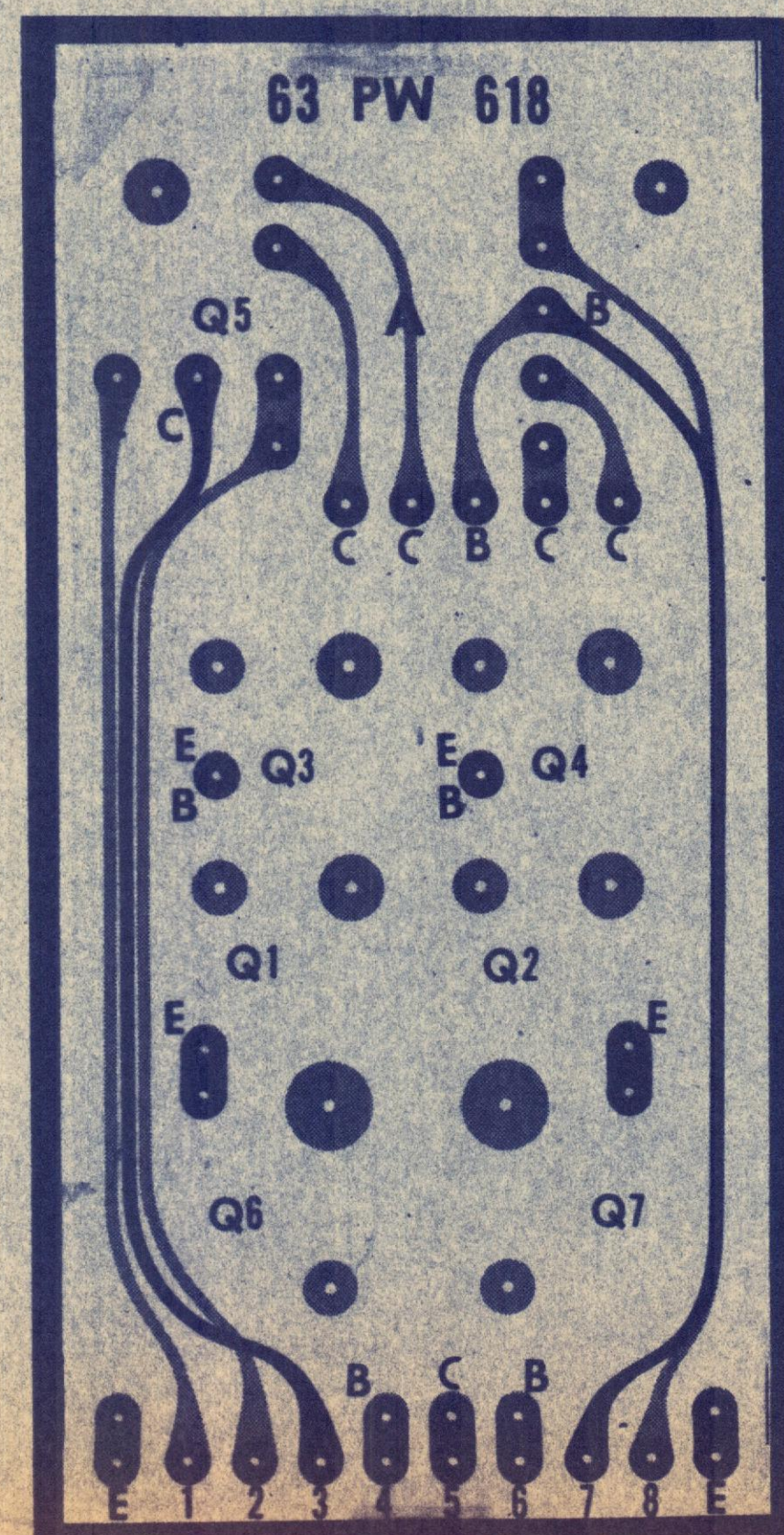
GRADE I FOR REFERENCE ONLY
GRADE II PRELIMINARY DESIGN
GRADE III FINAL DESIGN
GRADED BY: DATE:

ITEM	MATERIAL-DESCRIPTION	PART NO.	QTY.
LINCOLN LABORATORY DIV. 6 MASSACHUSETTS INSTITUTE OF TECHNOLOGY LEXINGTON 73, MASS.			
ASSY, COMPOSITE & SCHEMATIC, P.I.U. PARITY CIRCUIT, TX-2			
SCALE: 2:1	DR: 5-17-57 M.B. HURRES	D-81271	
ENG: K.H.K. 5/24/57	APPD: K.H.K. 5/24/57		

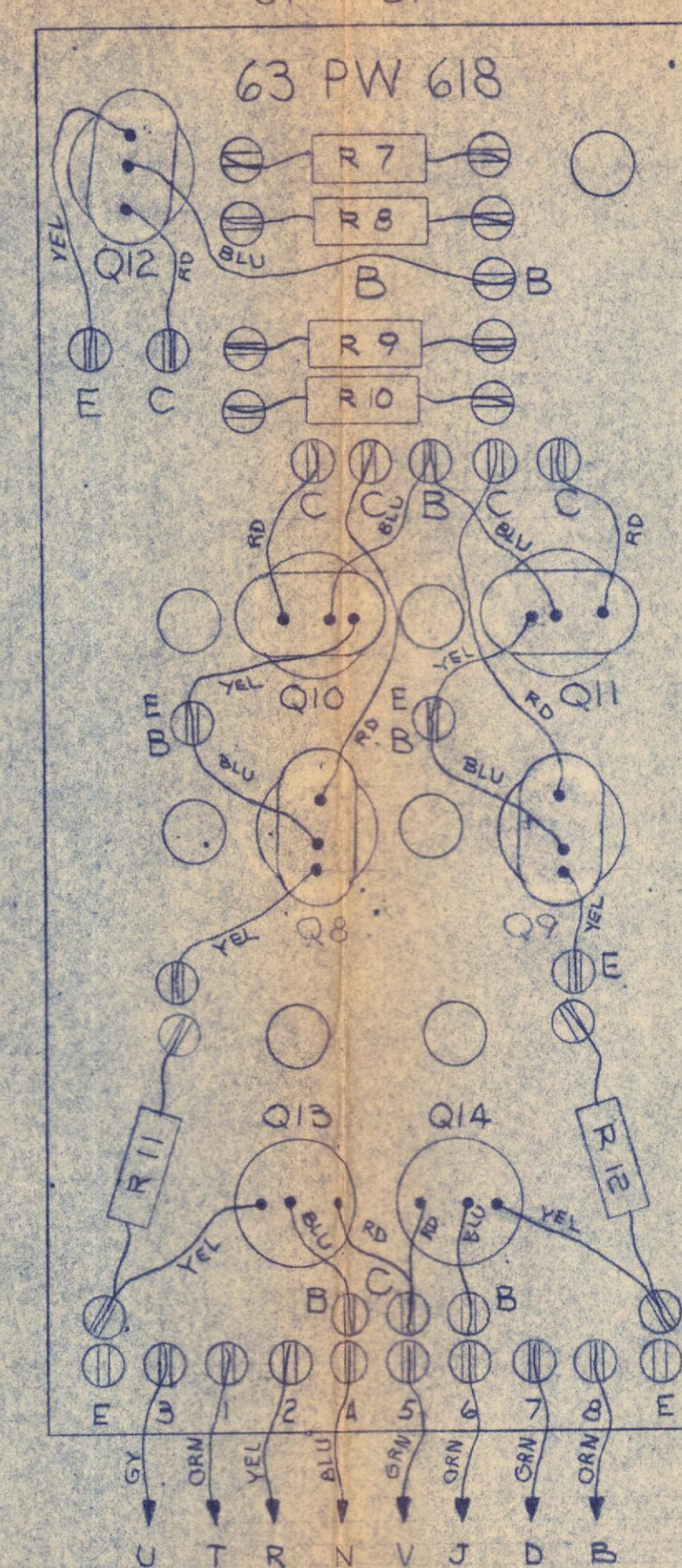
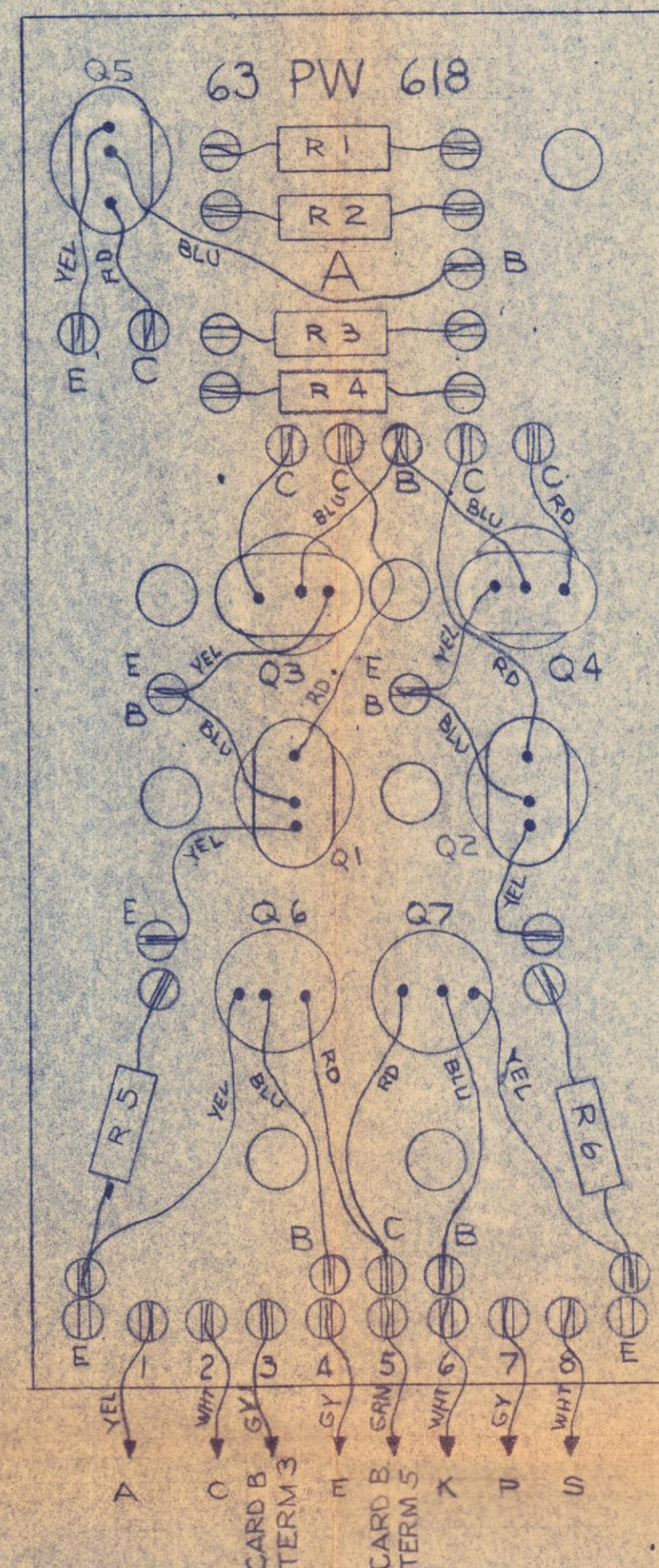
D-67844

TOLERANCES NOT OTHERWISE SPECIFIED
DECIMAL $\pm .005$ FRACTIONAL $\pm 1/64$ ANGULAR $\pm 1/2^\circ$
DIMENSIONS ENCLOSED THUS .000 FOR REFERENCE ONLY.

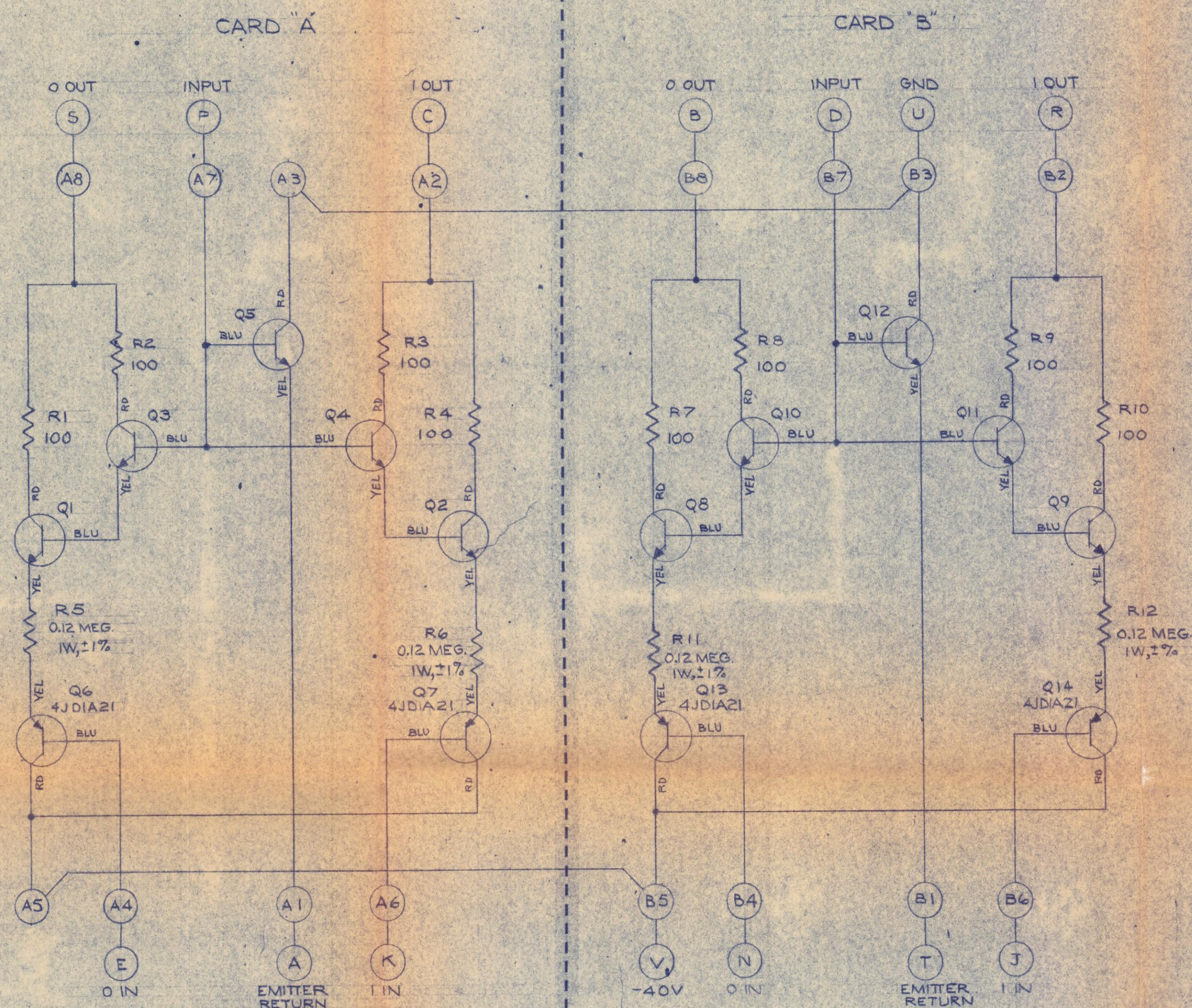
COMPOSITE



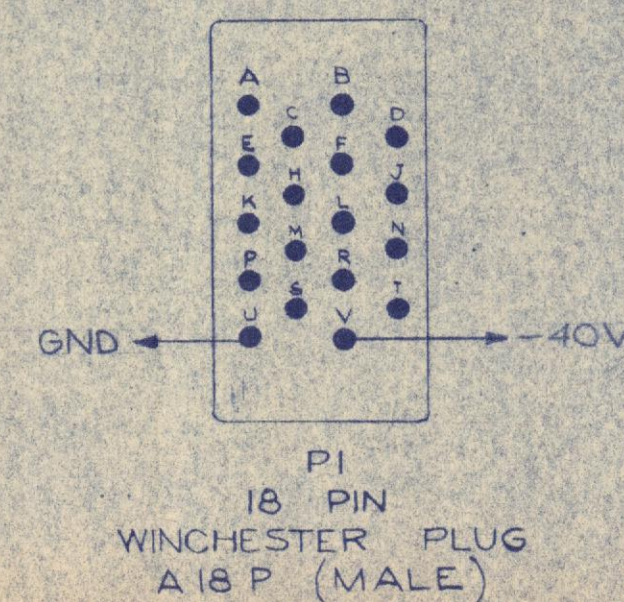
COMPONENT



SCHEMATIC:



(A7) DENOTES, TERMINAL 7 CARD 'A'.
(H) DENOTES, PIN H ON PLUG P1.



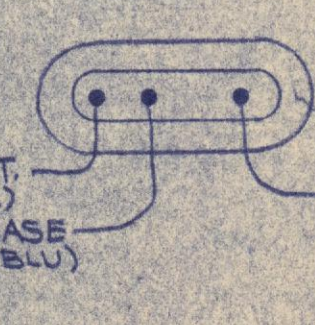
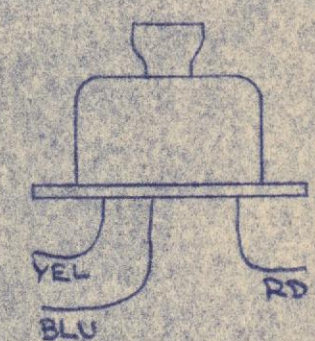
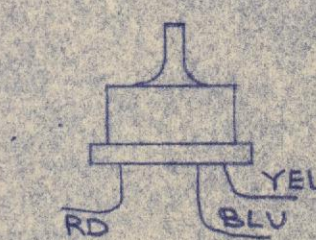
NOTES:

1. UNLESS OTHERWISE SPECIFIED:
A. RESISTORS ARE IN OHMS $\frac{1}{2}W \pm 5\%$.
B. TRANSISTORS ARE GE 2N167.

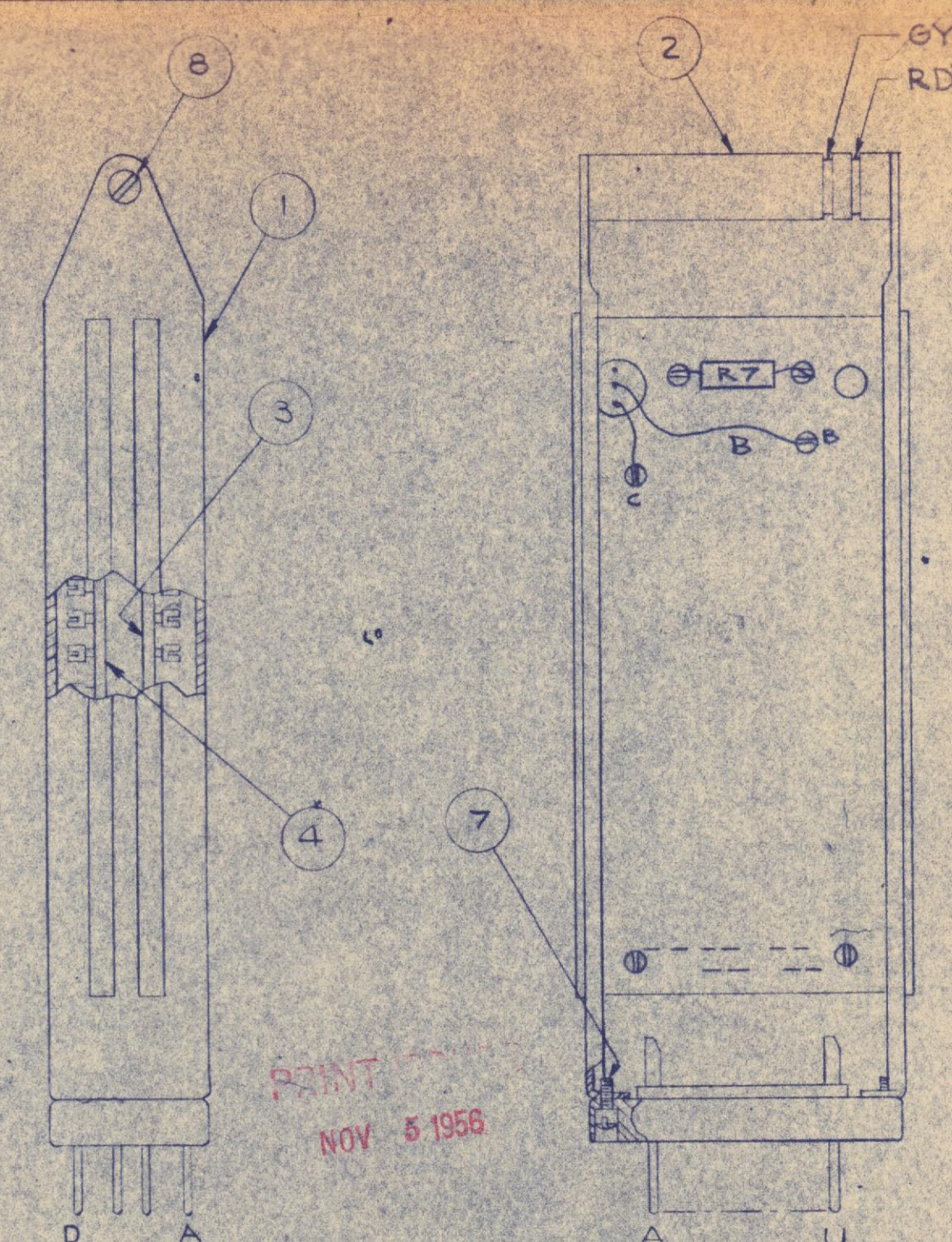
DRAWING REFERENCE:

PARTS LIST: PL-

GE 4JDIA21



GE 2N167



SCALE 1:1

GRADE I FOR REFERENCE ONLY		GRADE II PRELIMINARY DESIGN		GRADE III FINAL DESIGN	
ITEM	MATERIAL DESCRIPTION	PART NO.	QTY.	DATE	APPD.
LINCOLN LABORATORY DIV. 6 MASSACHUSETTS INSTITUTE OF TECHNOLOGY LEXINGTON 73, MASS.					
ASSY. COMPOSITE & SCHEMATIC, P.I.U. POSITION DECODER, TX-2					
SCALE: 2:1	DR. V. PARZIALE	10/29/56			
ENG. J. M. BUCK	10/29/56	APPD. J. M. BUCK			
1	2	3	4	5	6
7	8	9	10	11	12
13	14	15	16	17	18
19	20	21	22	23	24
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D-67844



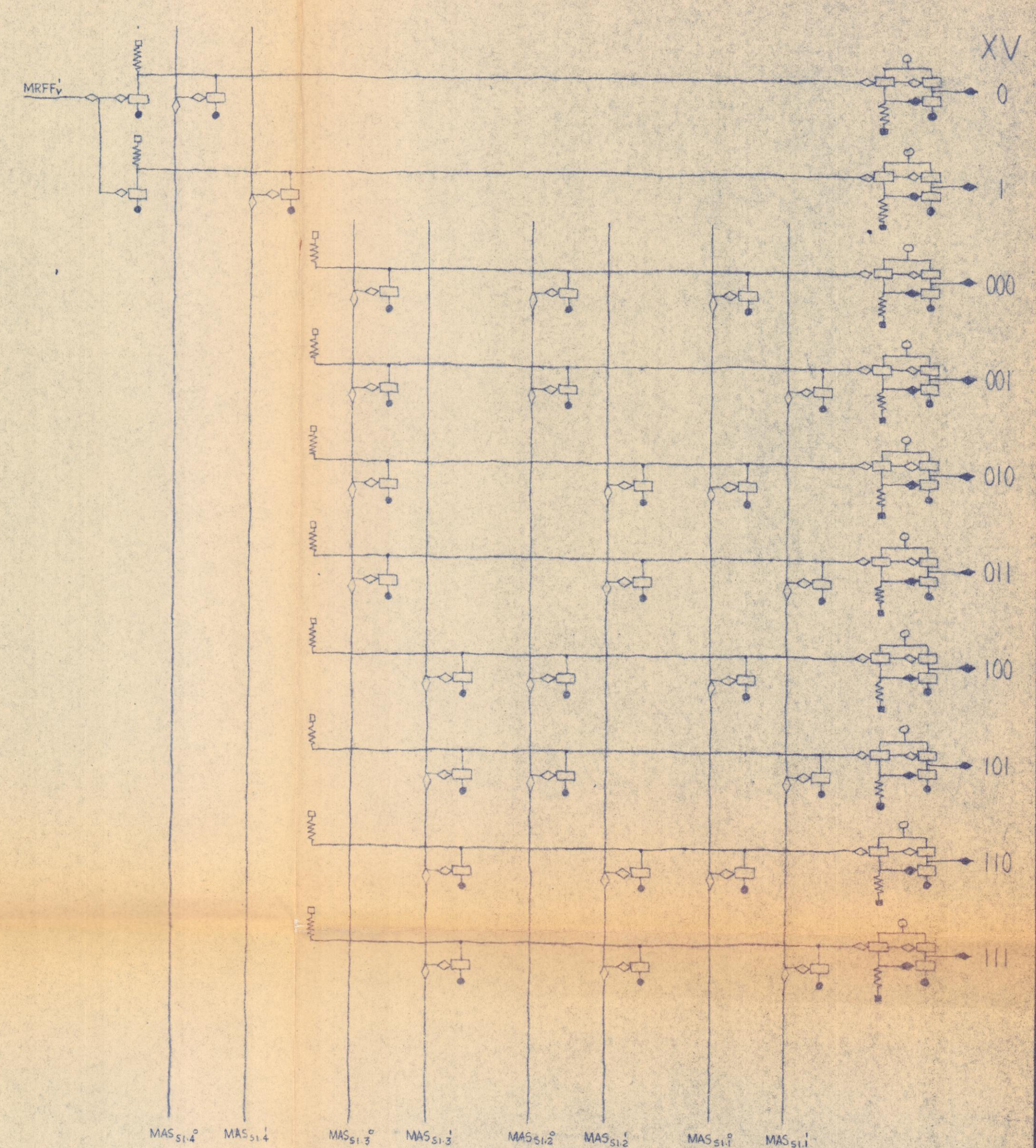
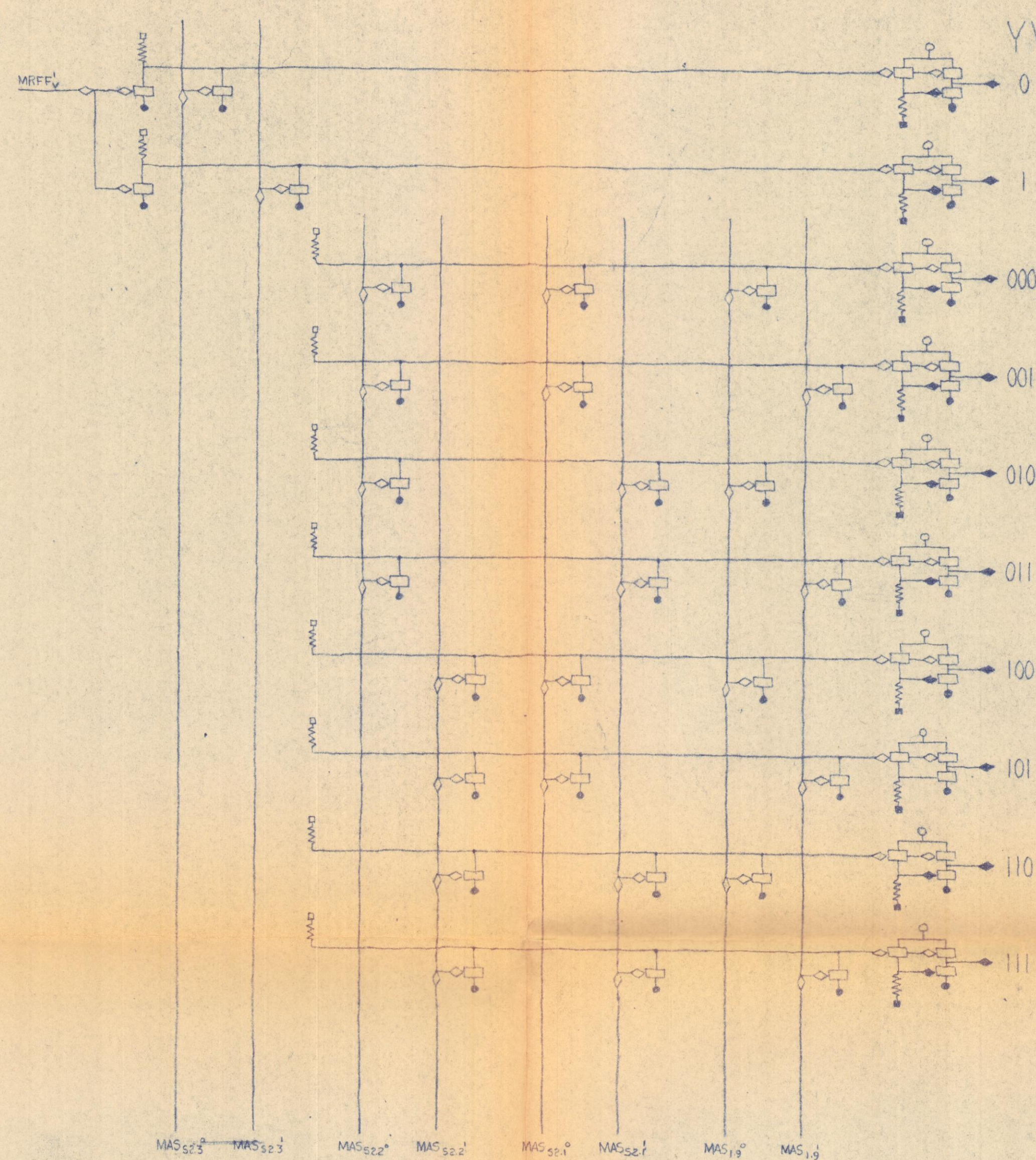
TRANSISTORS
S B T 12B

NOTE:

1. MAS₅ = MEMORY ADDRESS SELECTOR, S MEMORY SELECTED.

PRINT ISSUED
MAY 3 1957

GRADE I FOR REFERENCE ONLY GRADE II PRELIMINARY DESIGN GRADE III FINAL DESIGN												MAY 3 1957							
GRADED BY: DATE:												ITEM		MATERIAL - DESCRIPTION		PART NO.		QTY.	
5-3-57 CAN A-180 Egan												DATE		10-3-57 CAN		CHG.		1-1	
20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1												SCALE:		DR. C NORMAN 10-23-56		APPD. C NORMAN		SD-67695	
ENG. C NORMAN												CK.		APPD. C NORMAN		SD-67695			



1. MAS_S = MEMORY ADDRESS SELECTOR, S MEMORY SELECTED.

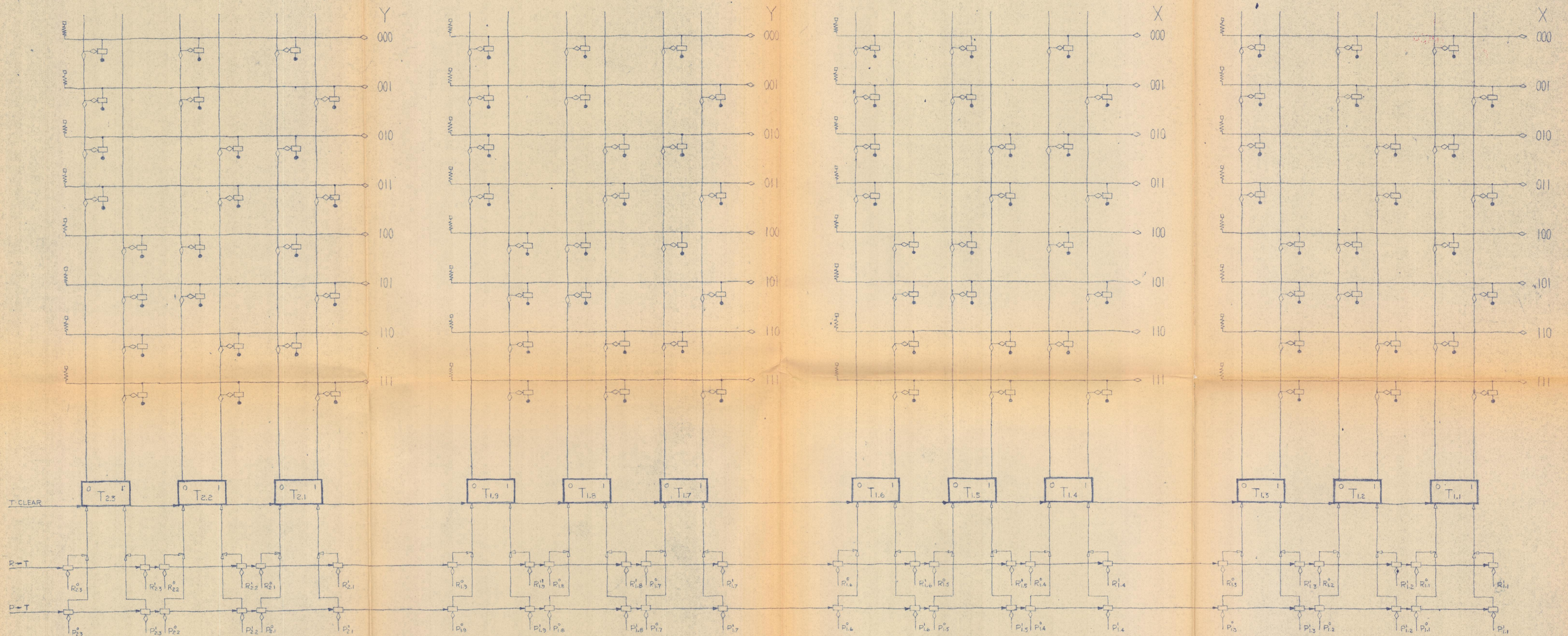
SBT 174

PRINT ISSUED
APR 22 1957

GRADE I FOR REFERENCE ONLY GRADE II PRELIMINARY DESIGN GRADE III FINAL DESIGN																																																																																			
GRADED BY: DATE:																																																																																			
<table border="1"> <tr> <td colspan="2">ITEM</td> <td colspan="6">MATERIAL - DESCRIPTION</td> <td colspan="2">PART NO.</td> <td colspan="2">QTY.</td> </tr> <tr> <td colspan="12"> LINCOLN LABORATORY DIV. 6 MASSACHUSETTS INSTITUTE OF TECHNOLOGY LEXINGTON 73. MASS. </td> </tr> <tr> <td colspan="12"> S MEMORY ADDRESS DECODER, DIG. 27-19, 14-1, TX.2 B.S. </td> </tr> <tr> <td colspan="2">SCALE:</td> <td colspan="10">DR. C. NORMAN 10-22-56</td> </tr> <tr> <td colspan="2">ENG. 10-22-55</td> <td colspan="2">CK.</td> <td colspan="4">APPD. 10-23-55</td> <td colspan="4">S.D-67689</td> </tr> <tr> <td colspan="2">C.A. NORMAN</td> <td colspan="10"></td> </tr> </table>												ITEM		MATERIAL - DESCRIPTION						PART NO.		QTY.		LINCOLN LABORATORY DIV. 6 MASSACHUSETTS INSTITUTE OF TECHNOLOGY LEXINGTON 73. MASS.												S MEMORY ADDRESS DECODER, DIG. 27-19, 14-1, TX.2 B.S.												SCALE:		DR. C. NORMAN 10-22-56										ENG. 10-22-55		CK.		APPD. 10-23-55				S.D-67689				C.A. NORMAN											
ITEM		MATERIAL - DESCRIPTION						PART NO.		QTY.																																																																									
LINCOLN LABORATORY DIV. 6 MASSACHUSETTS INSTITUTE OF TECHNOLOGY LEXINGTON 73. MASS.																																																																																			
S MEMORY ADDRESS DECODER, DIG. 27-19, 14-1, TX.2 B.S.																																																																																			
SCALE:		DR. C. NORMAN 10-22-56																																																																																	
ENG. 10-22-55		CK.		APPD. 10-23-55				S.D-67689																																																																											
C.A. NORMAN																																																																																			

SD-67690

TOLERANCES NOT OTHERWISE SPECIFIED
DECIMAL $\pm .005$ FRACTIONAL $\pm 1/64$ ANGULAR $\pm 1/2^\circ$
DIMENSIONS ENCLOSED THUS $\pm .000$ FOR REFERENCE ONLY



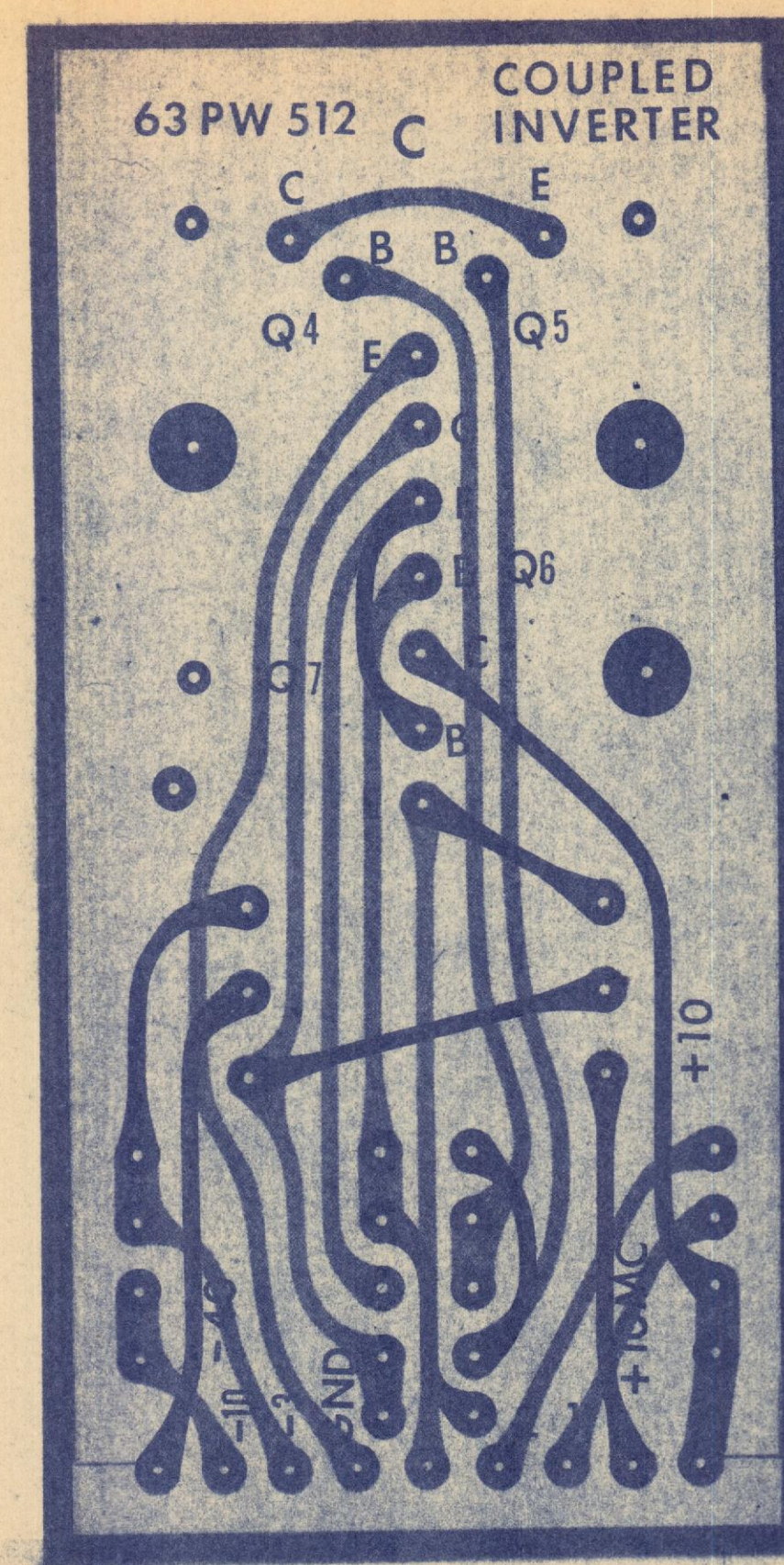
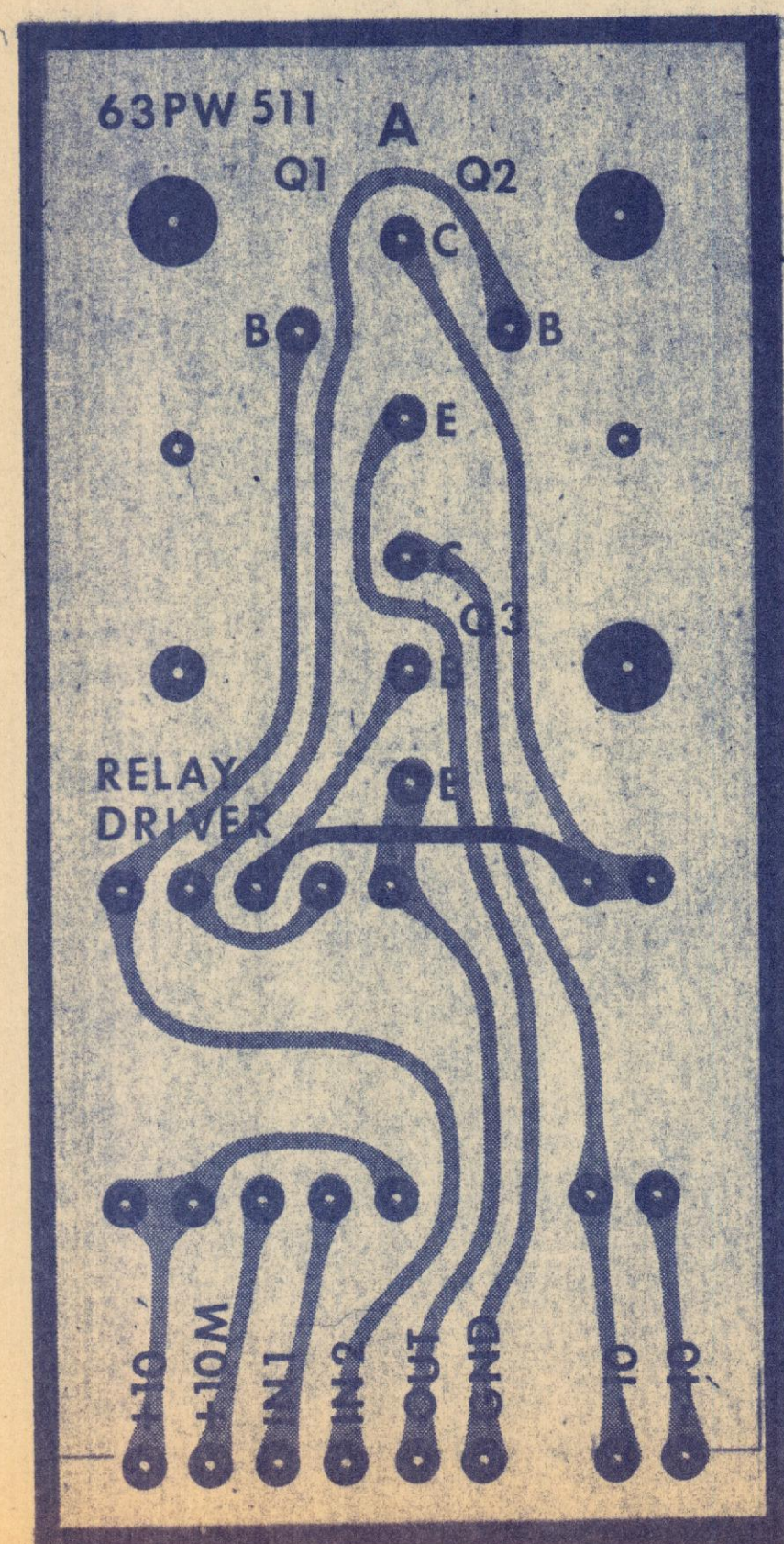
PRINT ISSUED
NOV 1 1956

GRADE I FOR REFERENCE ONLY		ITEM		MATERIAL-DESCRIPTION		PART NO.		QTY.	
GRADE II PRELIMINARY DESIGN		DATE		LINCOLN LABORATORY DIV. 6		MASSACHUSETTS INSTITUTE OF TECHNOLOGY		LEXINGTON 73, MASS.	
GRADE III FINAL DESIGN		CHG.		SCALE:		DR. C. NORMAN		APPD. 10-34-56	
GRADED BY: DATE:		ENG. 10-24-56		CK. C. NORMAN		APPD. 10-34-56		SD-67690	
T MAR 8 T MAR X8Y 1st LEVEL DECODERS, TX-2, BLK. SCH.									

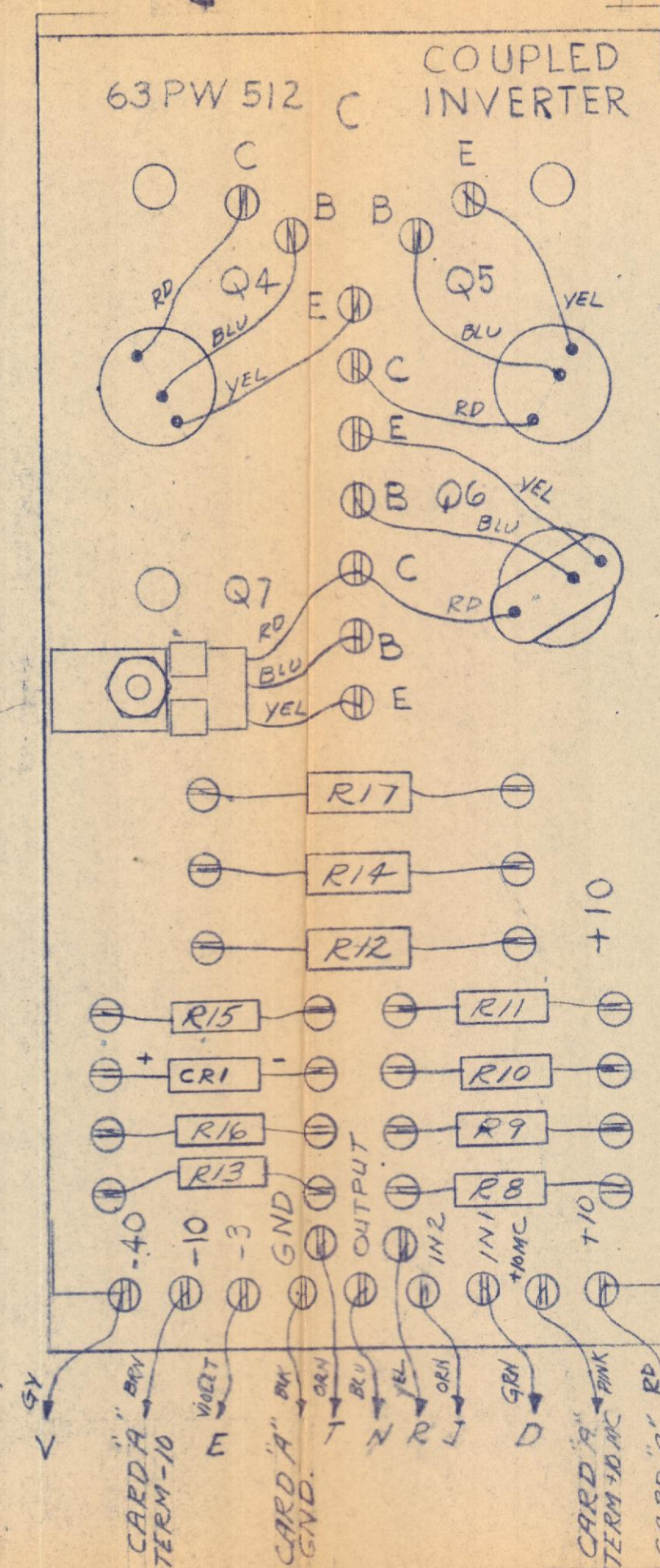
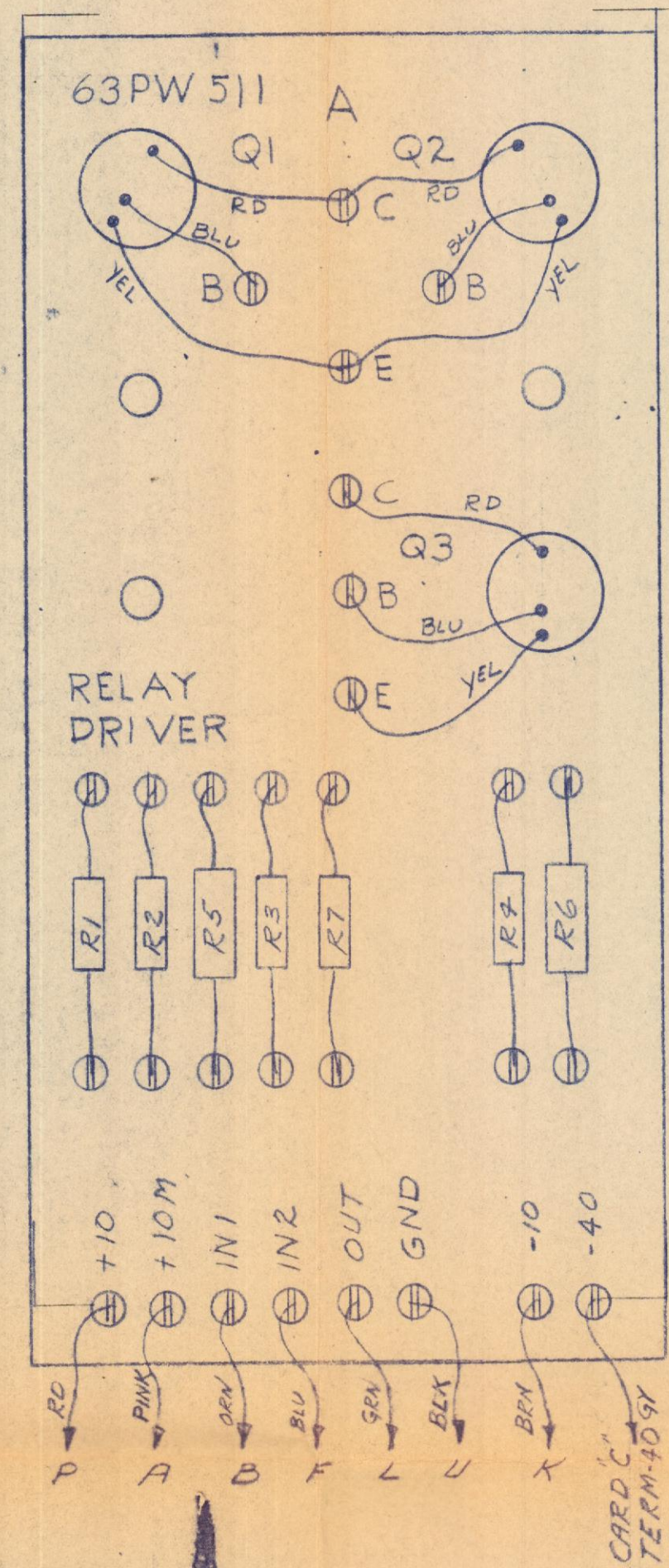
D-67532

TOLERANCES NOT OTHERWISE SPECIFIED
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DIMENSIONS ENCLOSED THUS $\pm .000$ FOR REFERENCE ONLY.

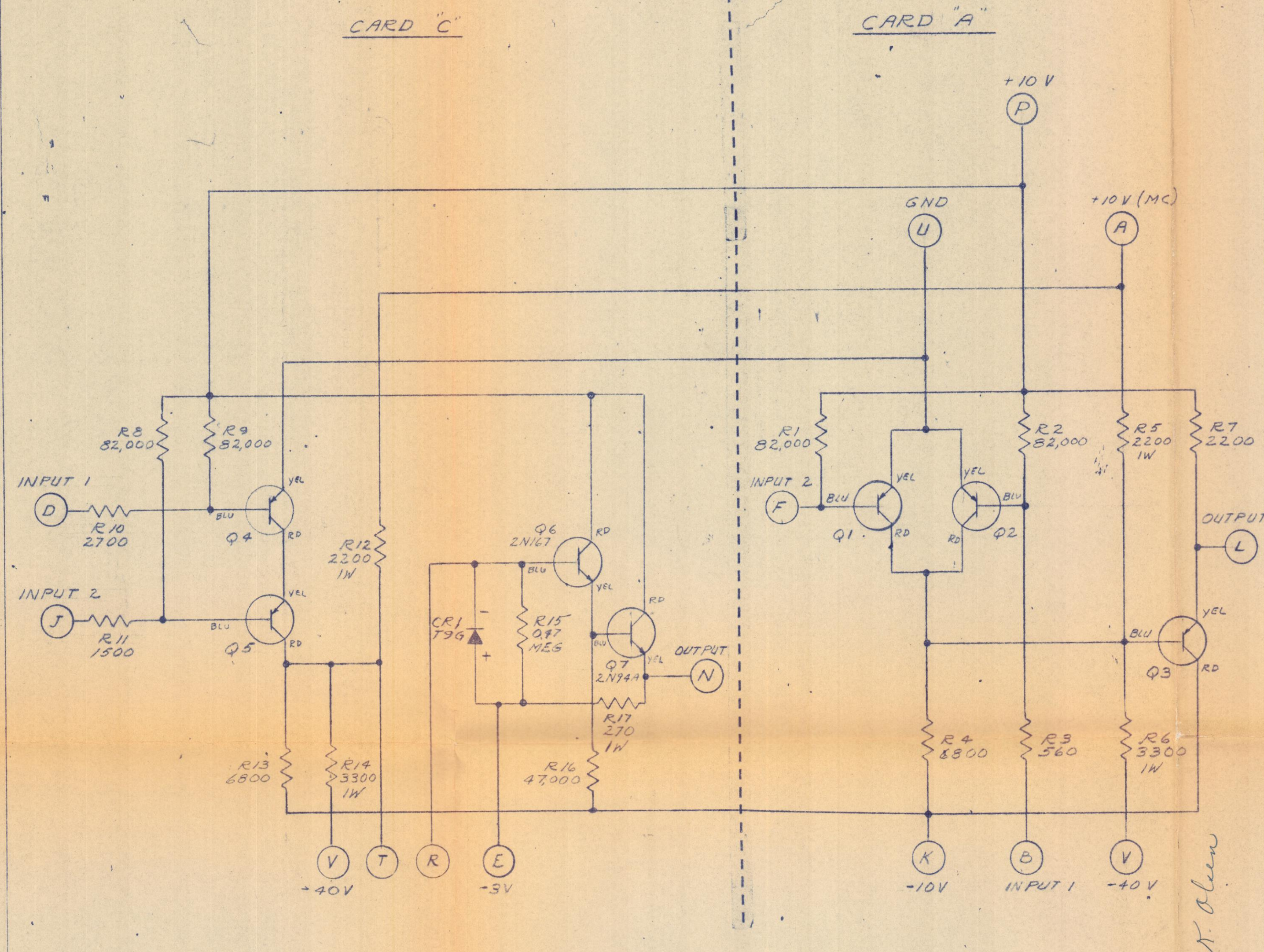
COMPOSITE



COMPONENT



SCHEMATIC:



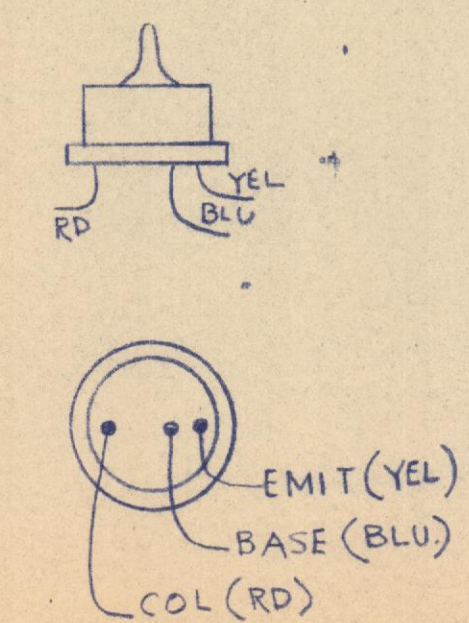
NOTES:

1. UNLESS OTHERWISE SPECIFIED:
A. RESISTORS ARE OHMS $\frac{1}{2}$ WATT $\pm 5\%$
B. TRANSISTORS ARE GE 4JDIA21

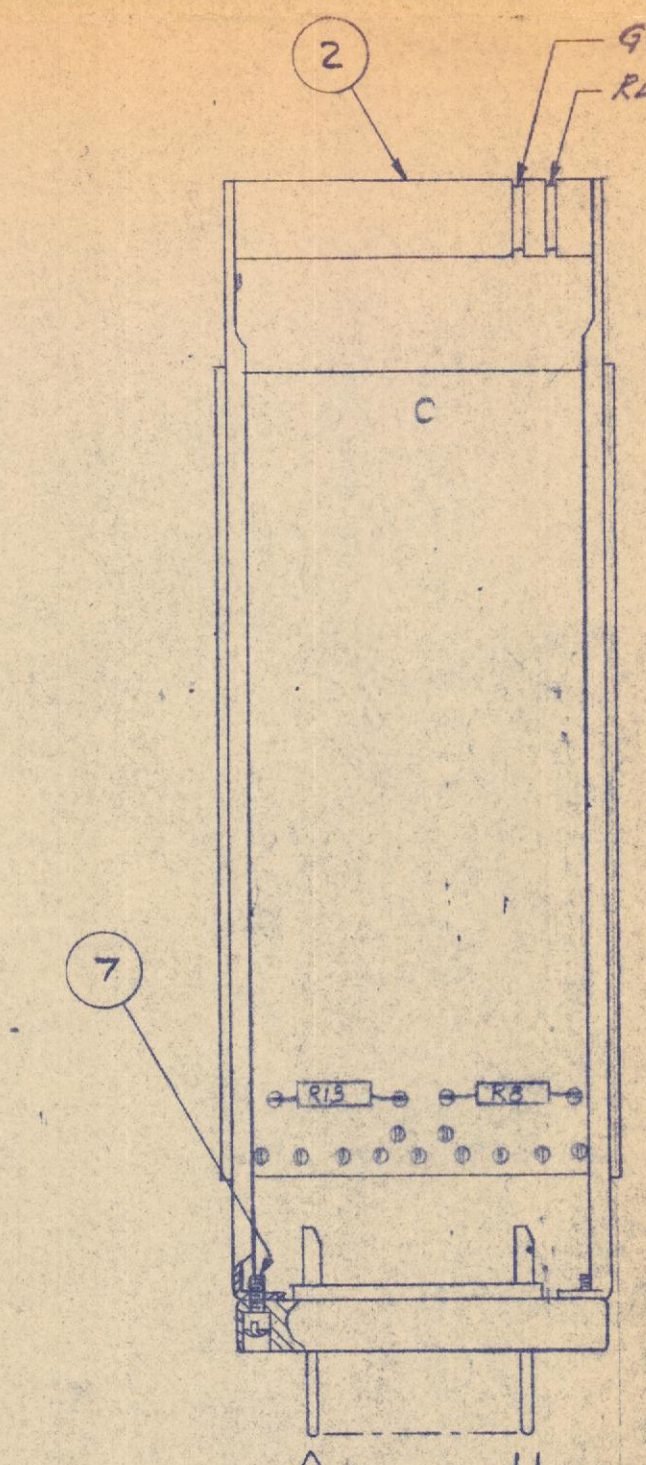
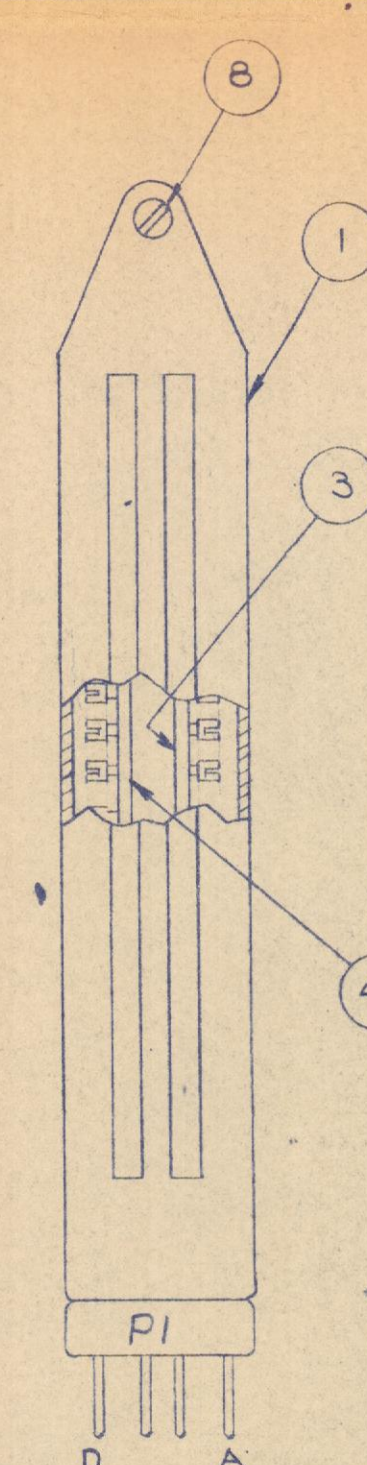
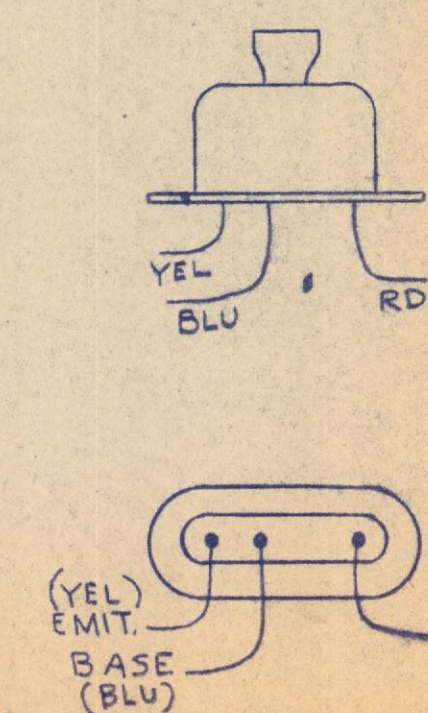
DRAWING REFERENCE:

PARTS LIST: PL-67532

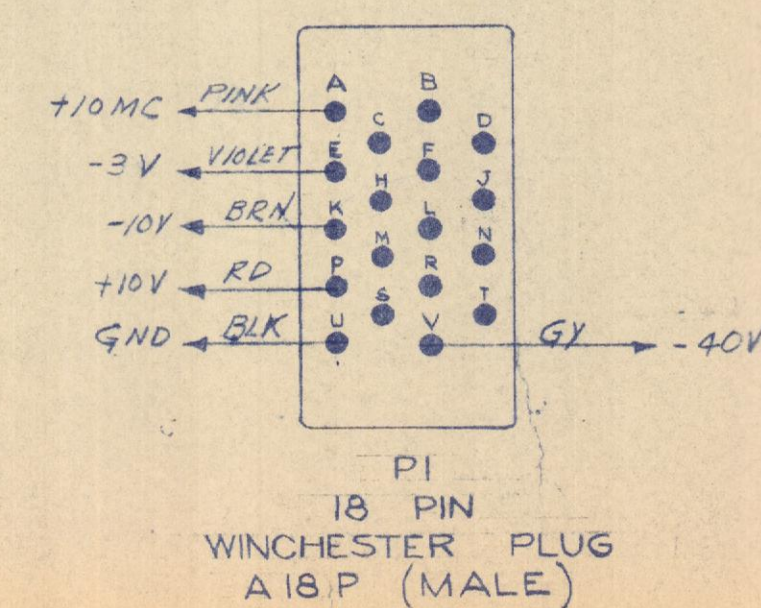
GE 4JDIA21



GE 2N167



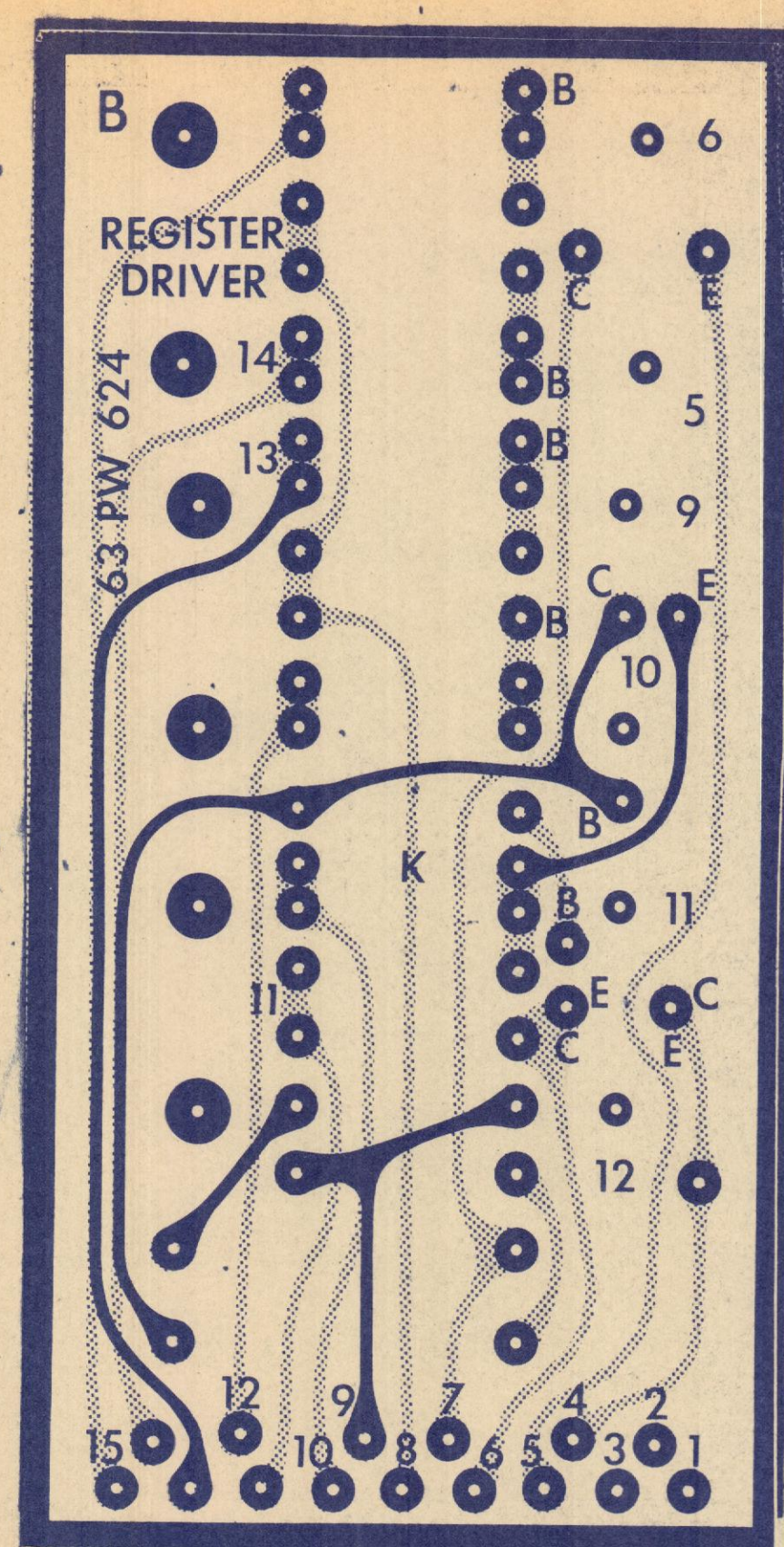
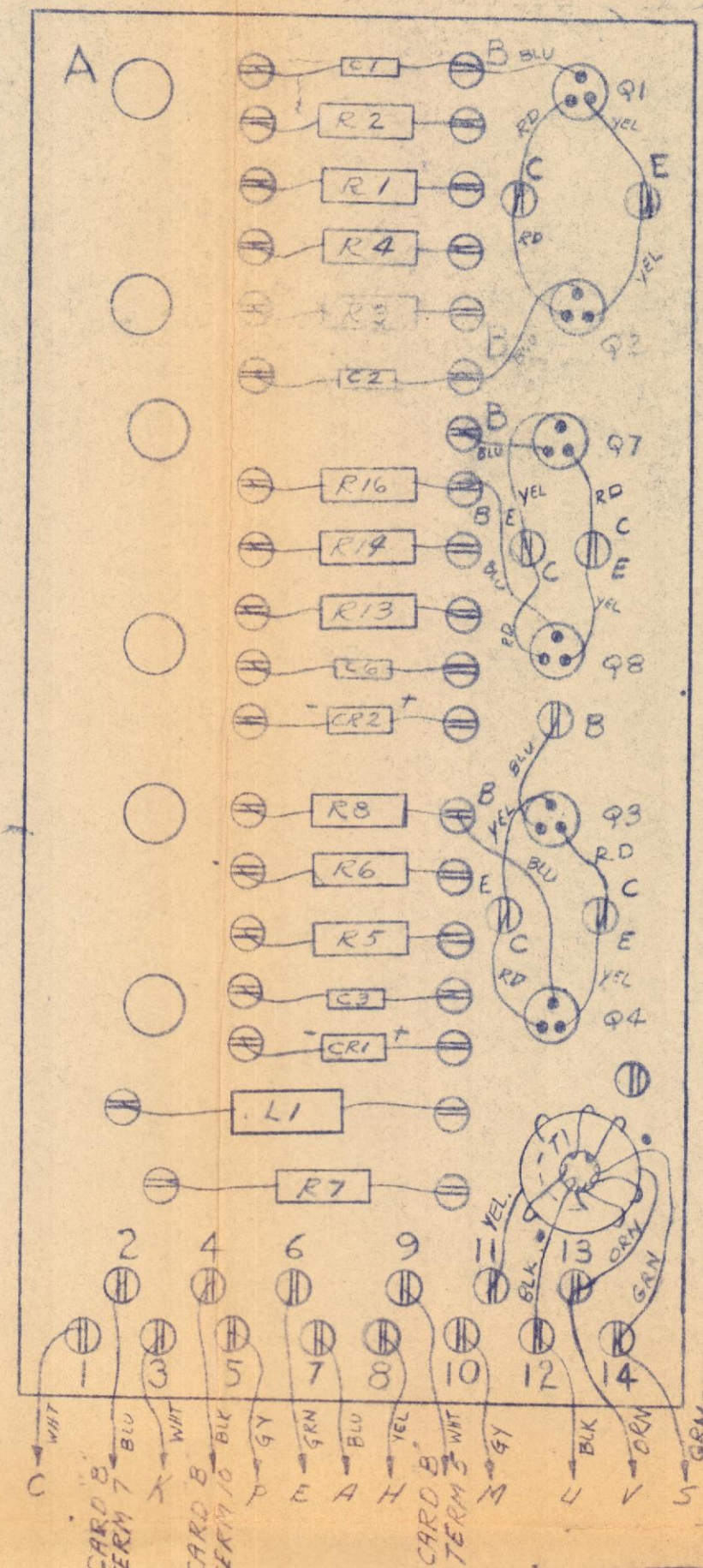
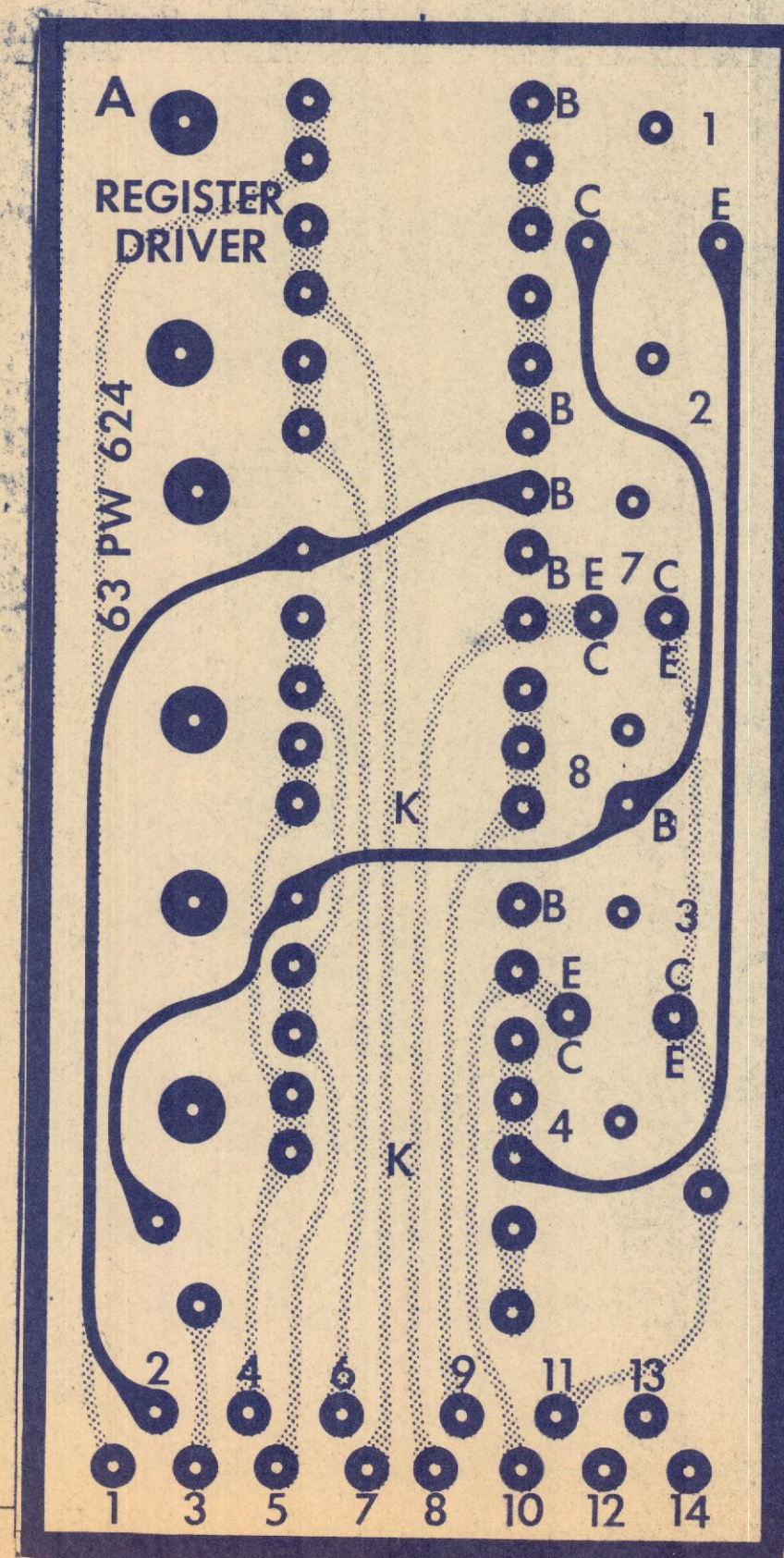
(H) DENOTES, PIN H ON PLUG P1.



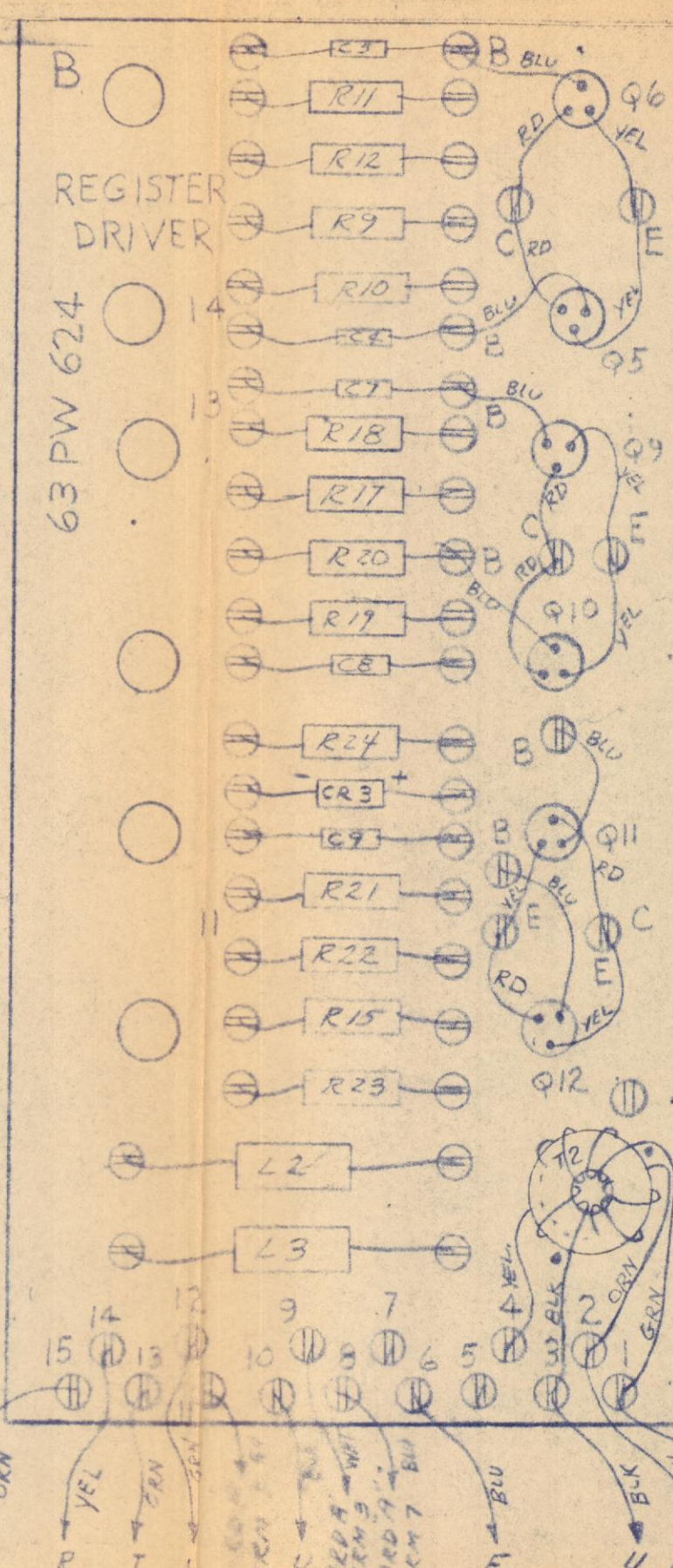
GRADE I FOR REFERENCE ONLY		GRADE II PRELIMINARY DESIGN		GRADE III FINAL DESIGN	
ITEM	MATERIAL - DESCRIPTION	PART NO.	QTY.	DATE	APPROVED
LINCOLN LABORATORY DIV. 6 MASSACHUSETTS INSTITUTE OF TECHNOLOGY LEXINGTON 73, MASS.					
ASSY, COMPOSITE & SCHEMATIC, P.I.U. FLEXO RELAY DRIVER & A.C. COUPLED INVERTER TX-2					
SCALE: 2:1 DR. G.R. KEBLER					
ENG. J. H. JACK NOV 27 1956 APPR. J. H. JACK					
D-67532					

D-67976

TOLERANCES NOT OTHERWISE SPECIFIED
 DECIMAL & .005 FRACTIONAL & 1/4 ANGULAR & 1/2°
 DIMENSIONS ENCLOSED THUS .000 FOR REFERENCE ONLY



COMPOSITE



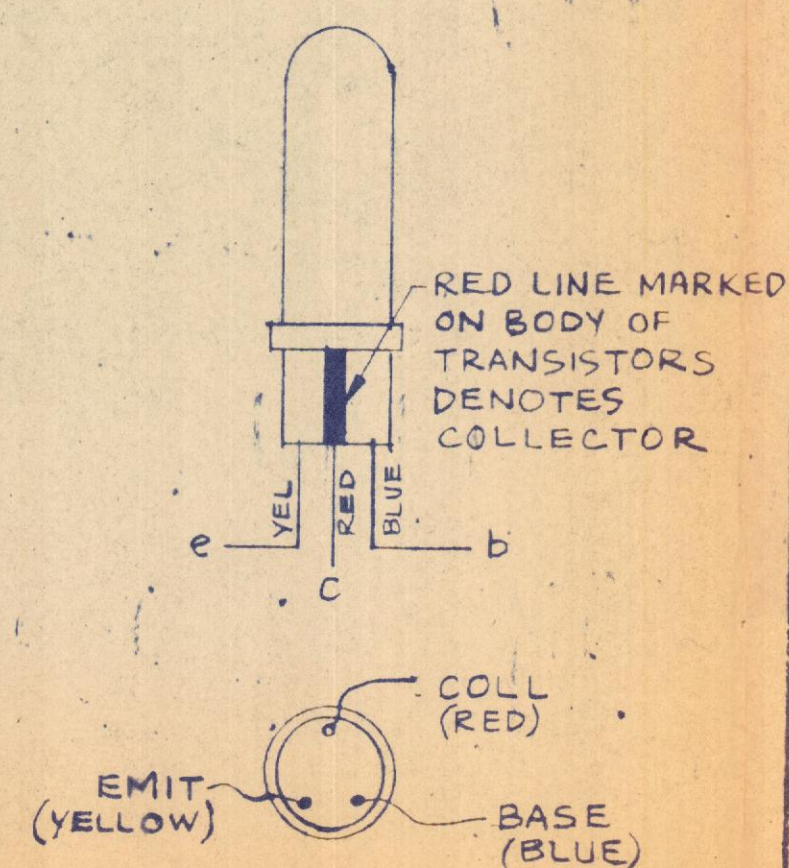
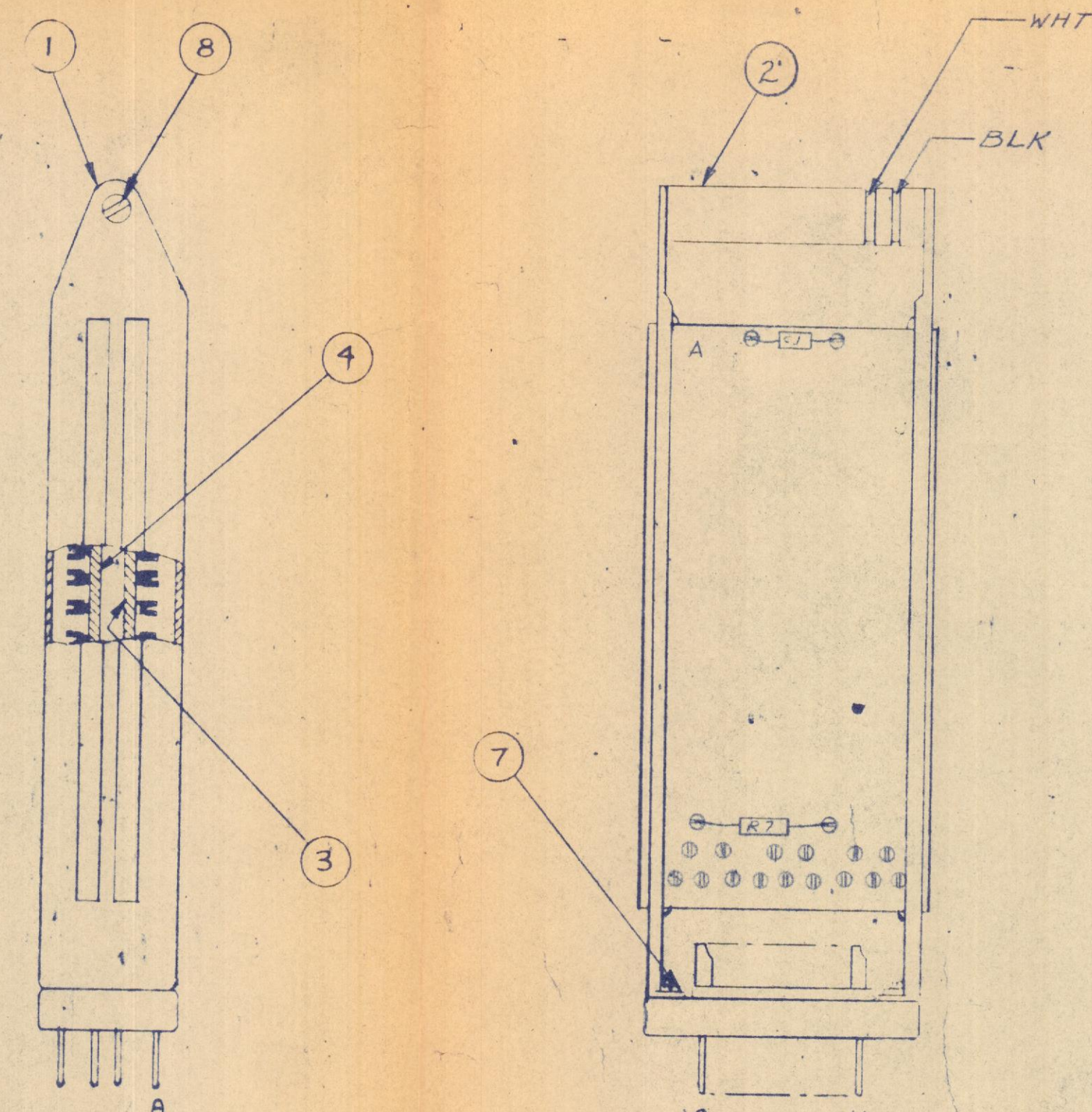
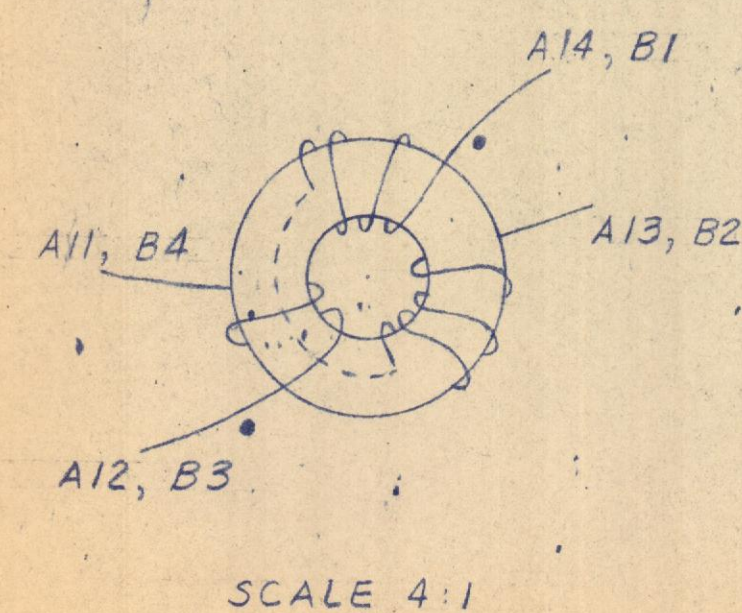
NOTES:-

1. UNLESS OTHERWISE SPECIFIED:
- A. TRANSISTORS ARE PHILCO # 5122
- B. ALL RESISTORS ARE IN OHMS & ARE 1/2 WATT ± 5%
- C. ALL CAPACITORS ARE IN μfd & ARE GLENCO MINIATURE CERAMIC ± 10%

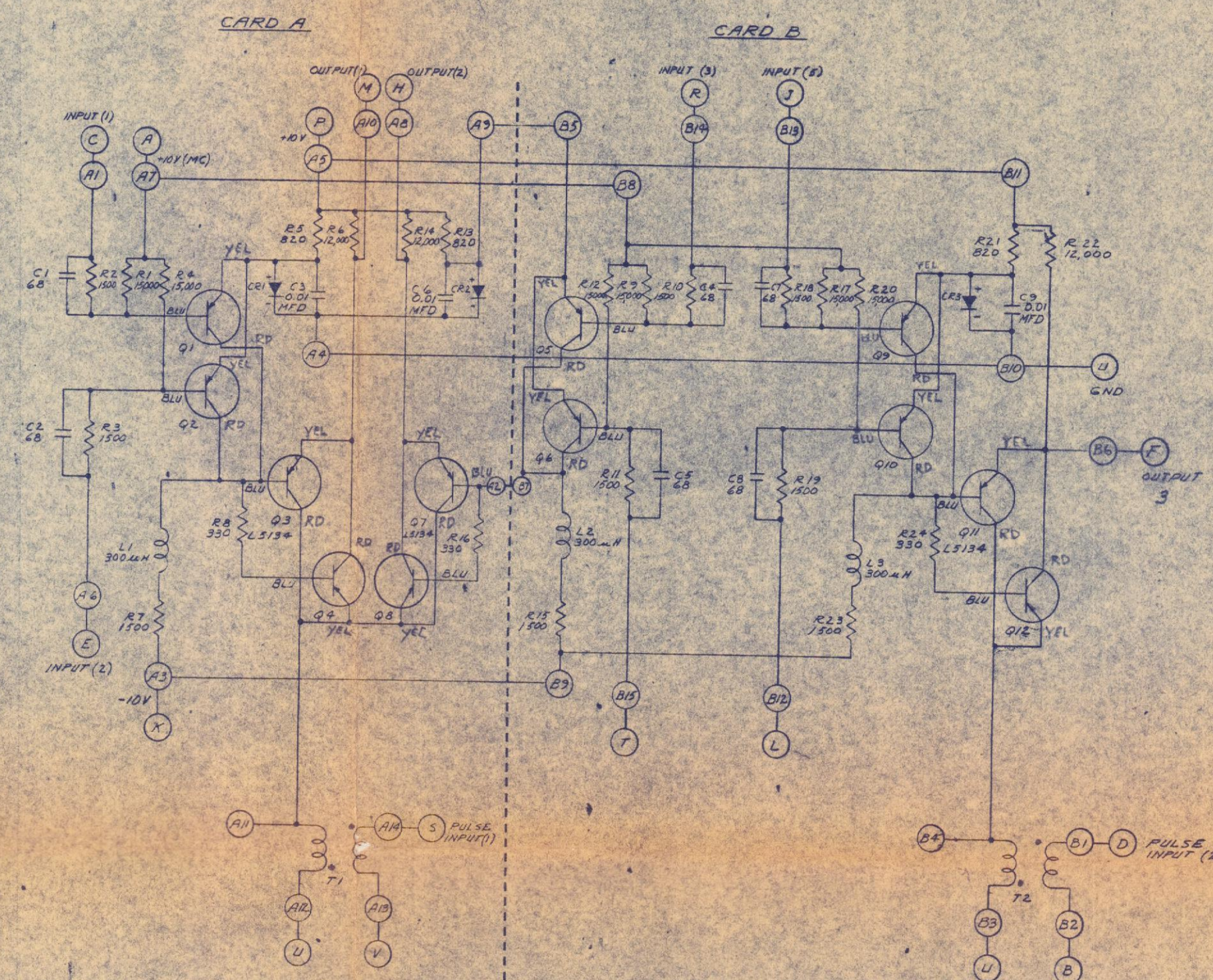
DRAWING REFERENCES:

1. DETAIL CARD: A-67223
2. 4:1 MASTER B-
3. DETAIL, PLUG-IN UNIT C-66896
4. DETAIL, HANDLE: B-66898
5. PARTS LIST: PL-67976

PHILCO # 5122 & 5134

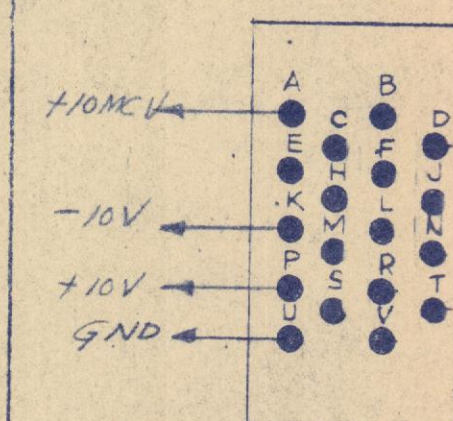
TRANSFORMER
DETAIL

SCALE 1:1



(A) DENOTES TERM 1 ON CARD A

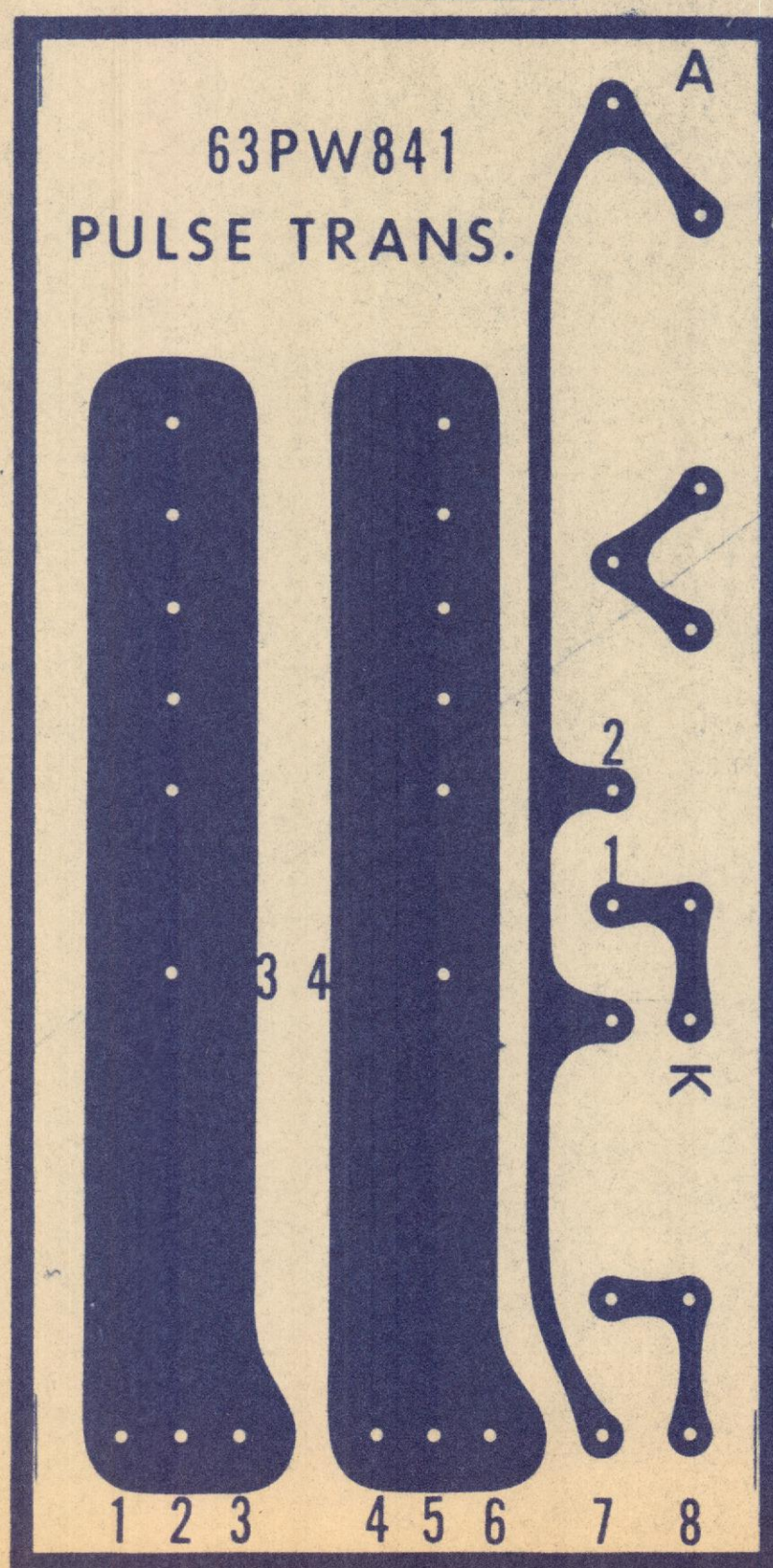
(B) DENOTES PIN 8 ON PLUG P1



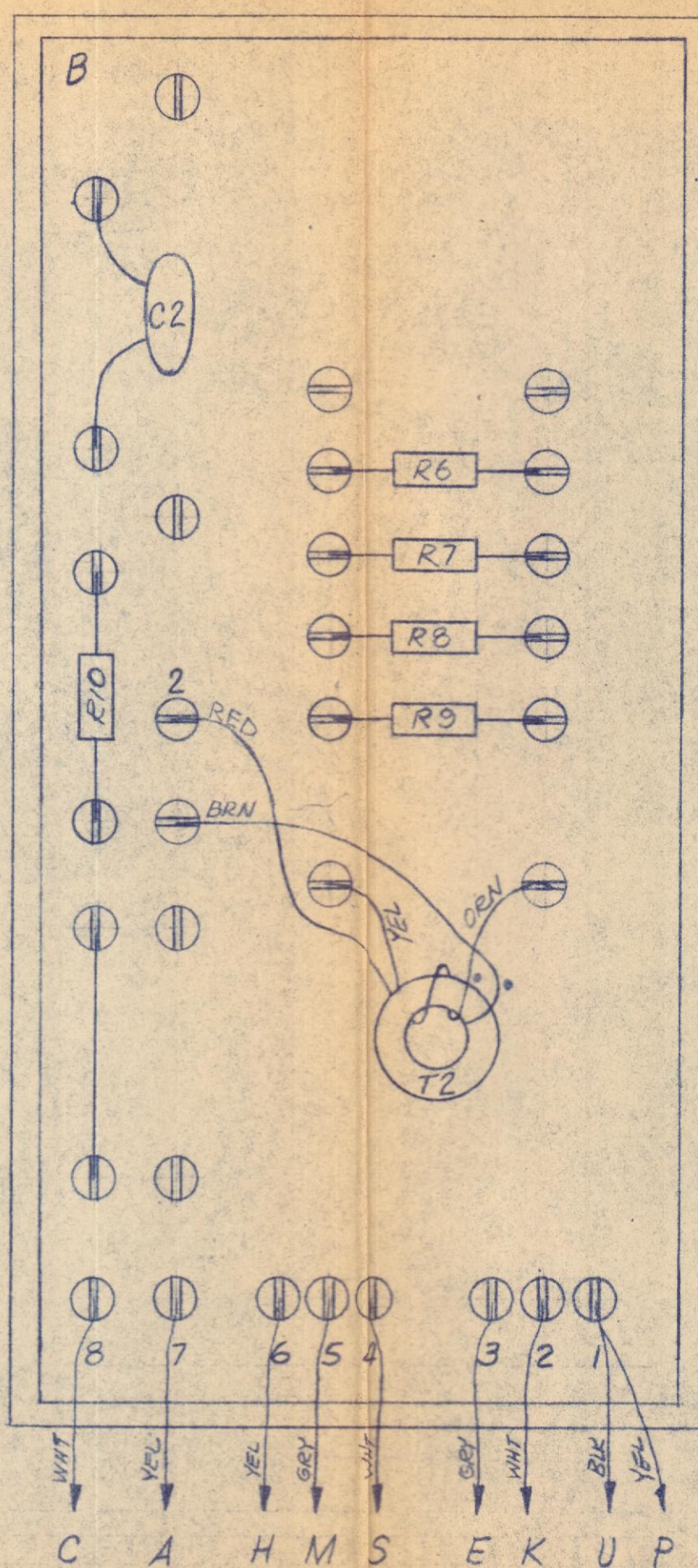
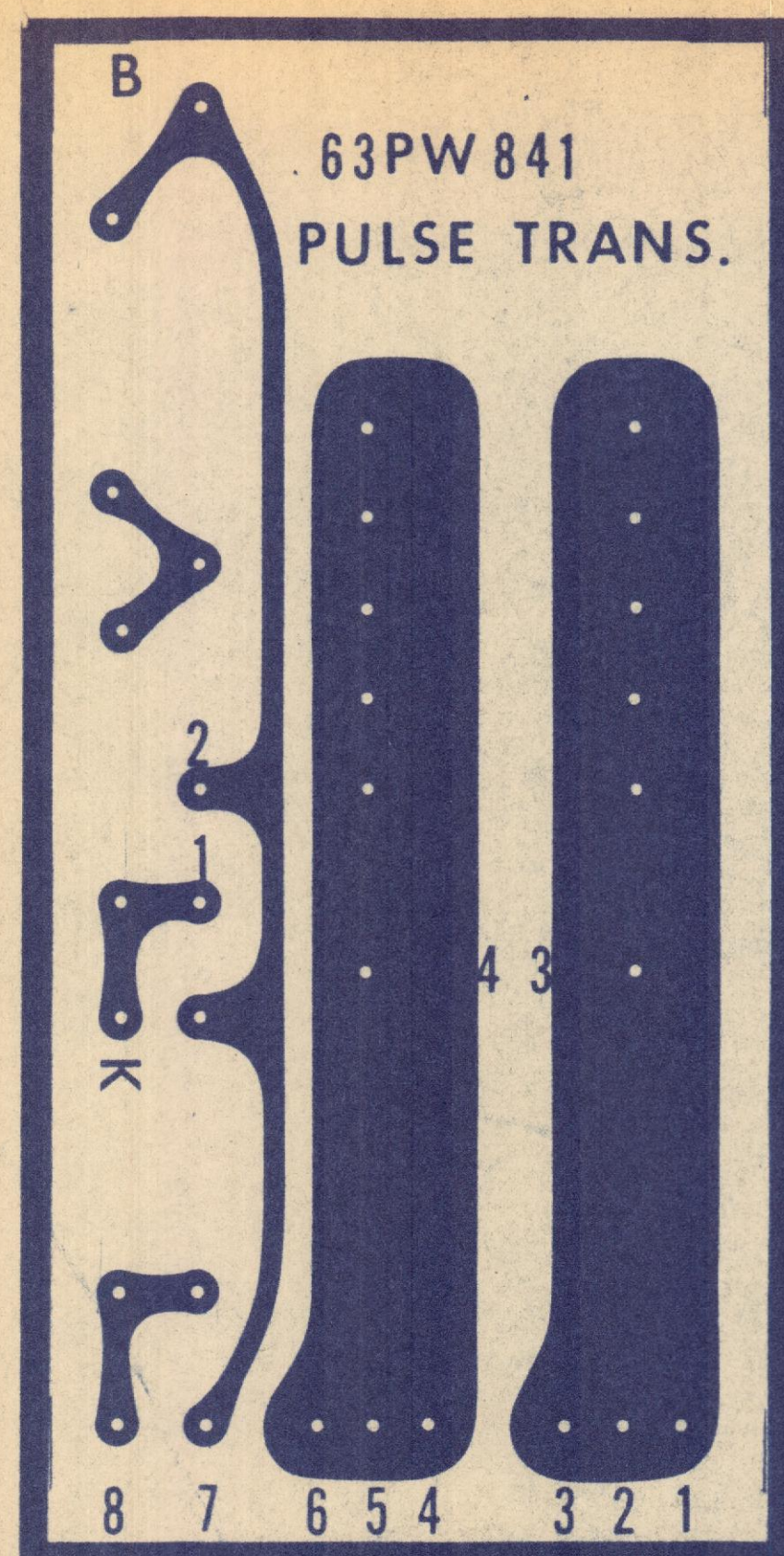
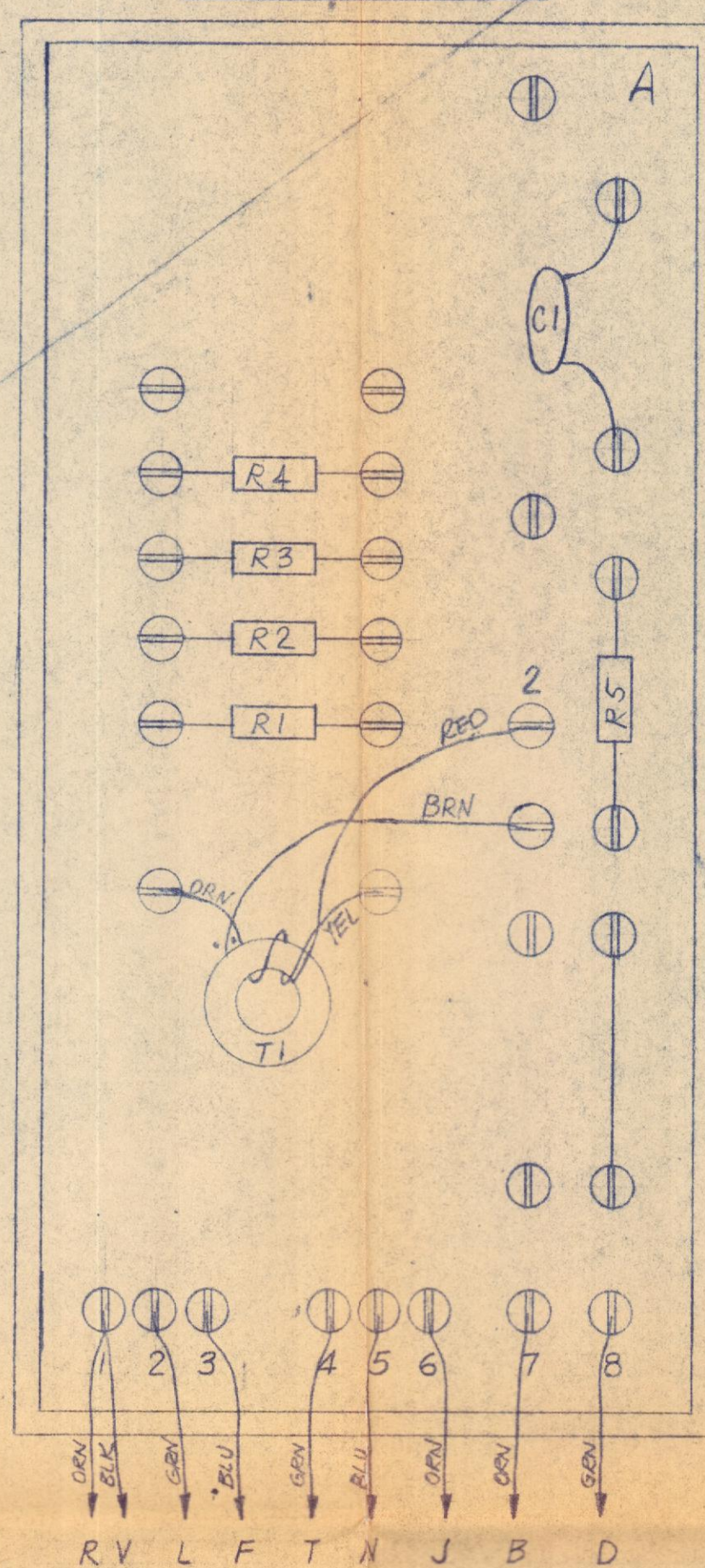
P1
 18 PIN
 WINCHESTER PLUG
 A18P (MALE)

GRADE I FOR REFERENCE ONLY		GRADE II PRELIMINARY DESIGN		GRADE III FINAL DESIGN	
GRADED BY: DATE:		ITEM		MATERIAL DESCRIPTION	
PART NO.		QTY		LINCOLN LABORATORY, DIV. 6	
MASSACHUSETTS INSTITUTE OF TECHNOLOGY		LEXINGTON 73, MASS.		ASSY COMPOSITE & SCHEMATIC P1U	
SCALE 2:1		DR. G. F. FIEBLER		REGISTER DRIVER TX-2	
ENG		CK		APPD	
D-67976		K. Oken		PRINTED FEB 27 1957	

COMPOSITE

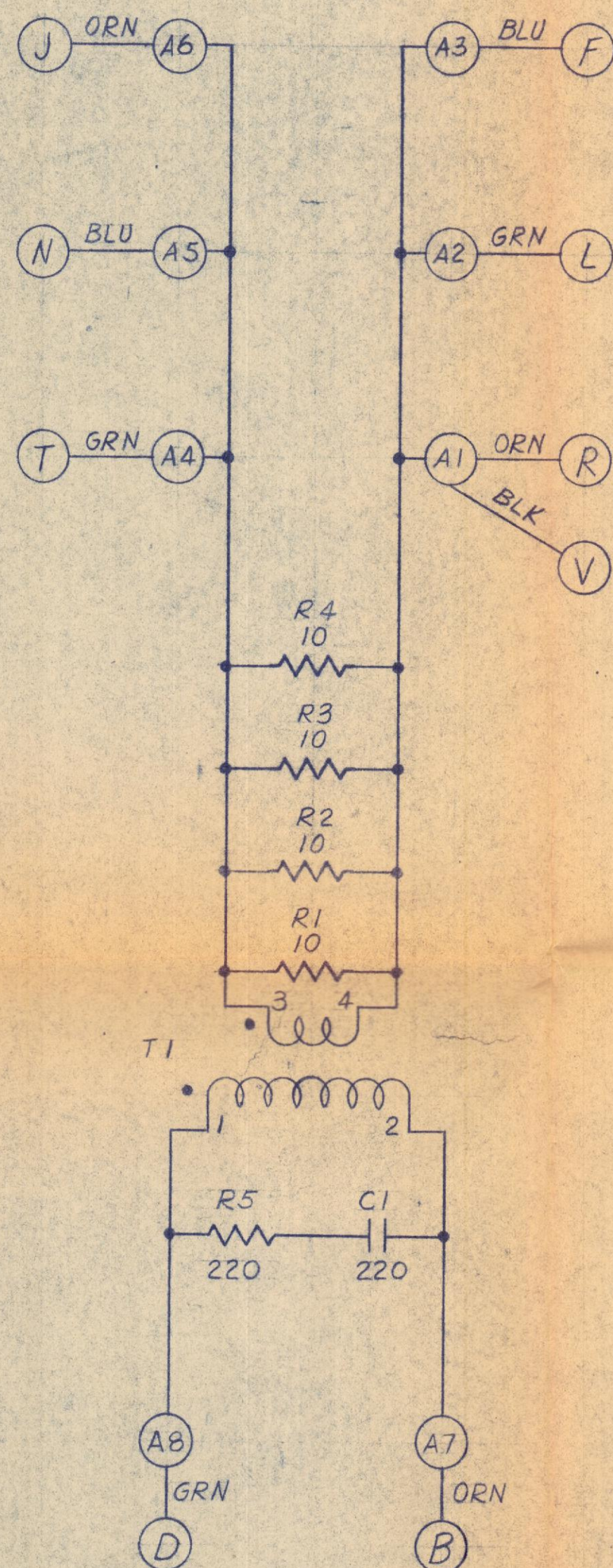


COMPONENT

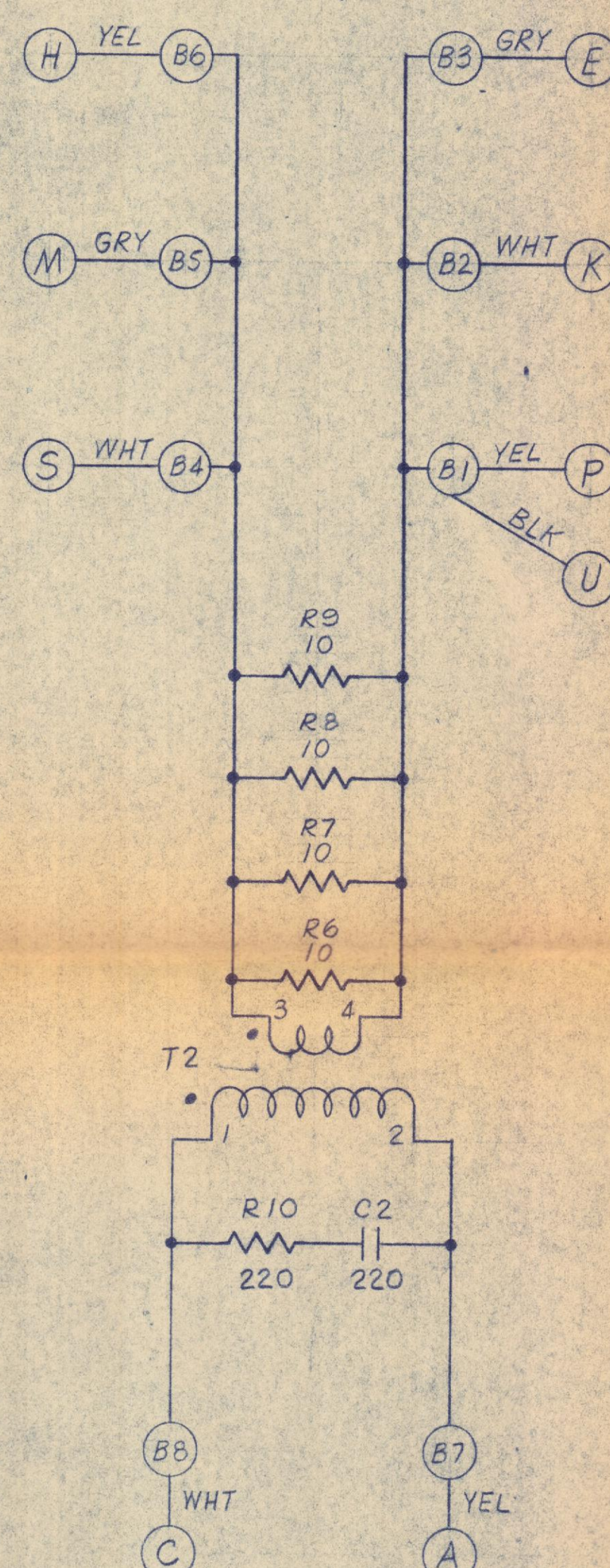


SCHEMATIC:

CARD A



CARD B

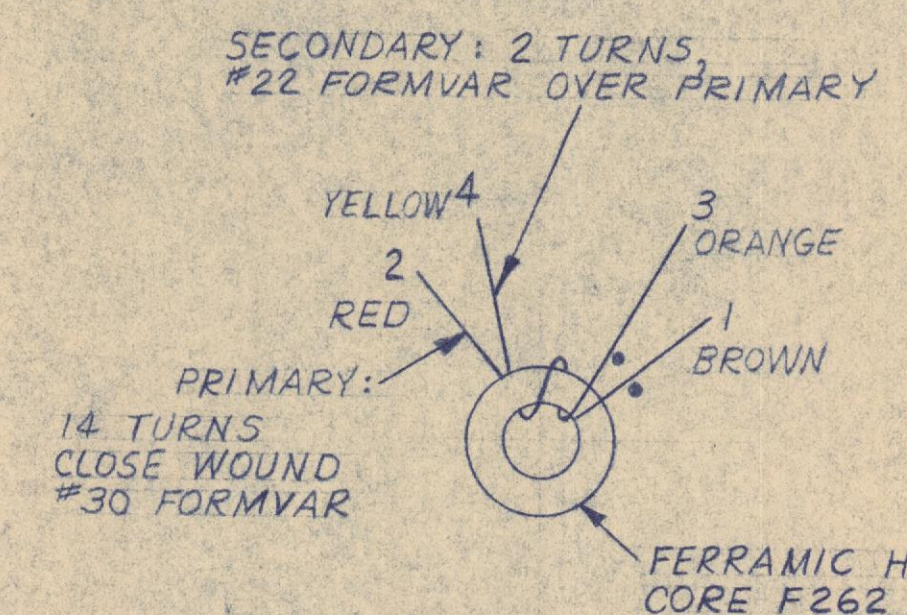


NOTES:

1. ALL RESISTORS ARE IN OHMS, 1/2W ± 5%.
2. ALL CAPACITORS ARE IN μF ± 5%, MIN. DIPPED SILVERED MICA.
3. ALL WIRE IS #22 STRANDED.

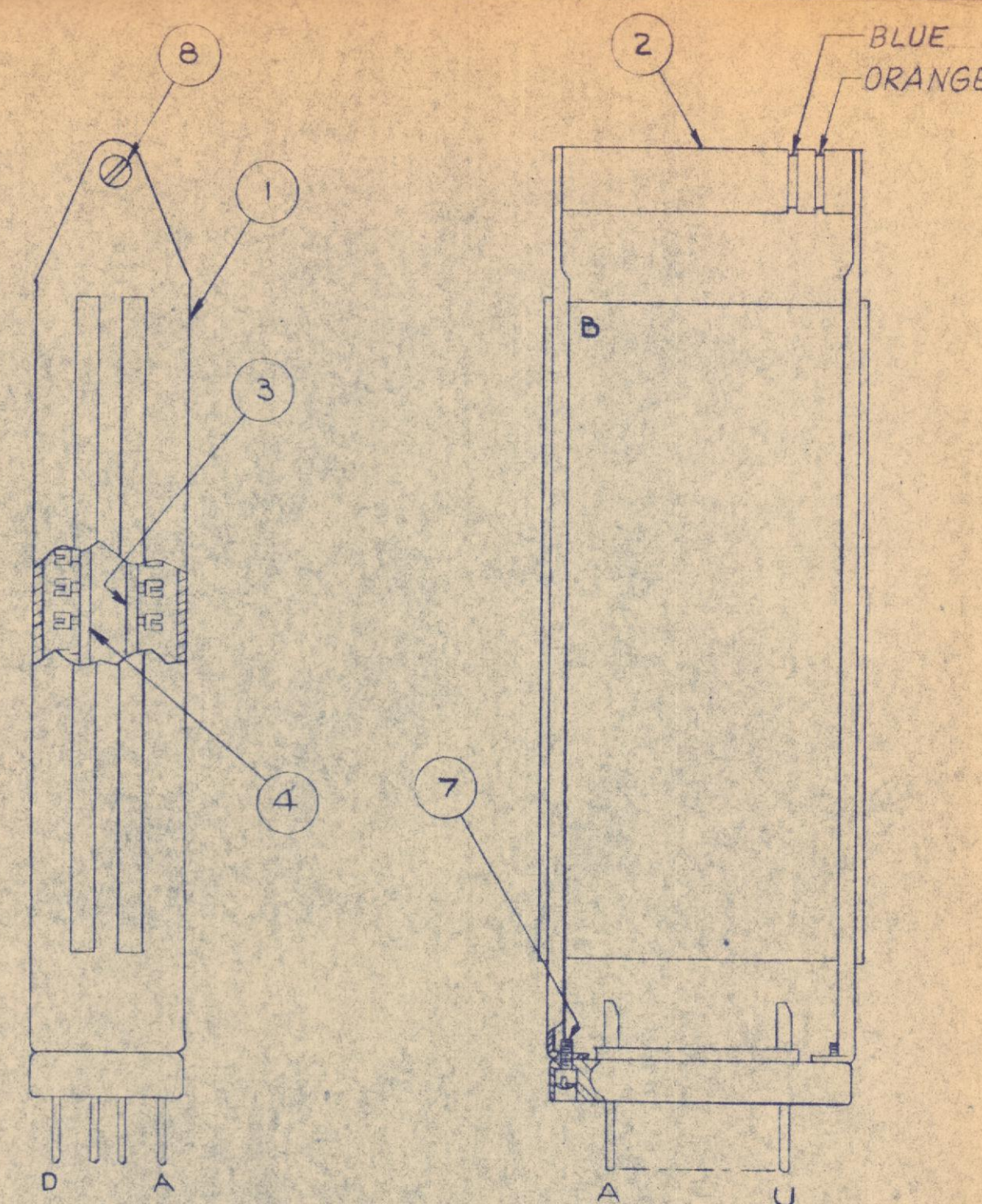
DRAWING REFERENCE:

PARTS LIST: PL-82342



DIP IN CEMENT

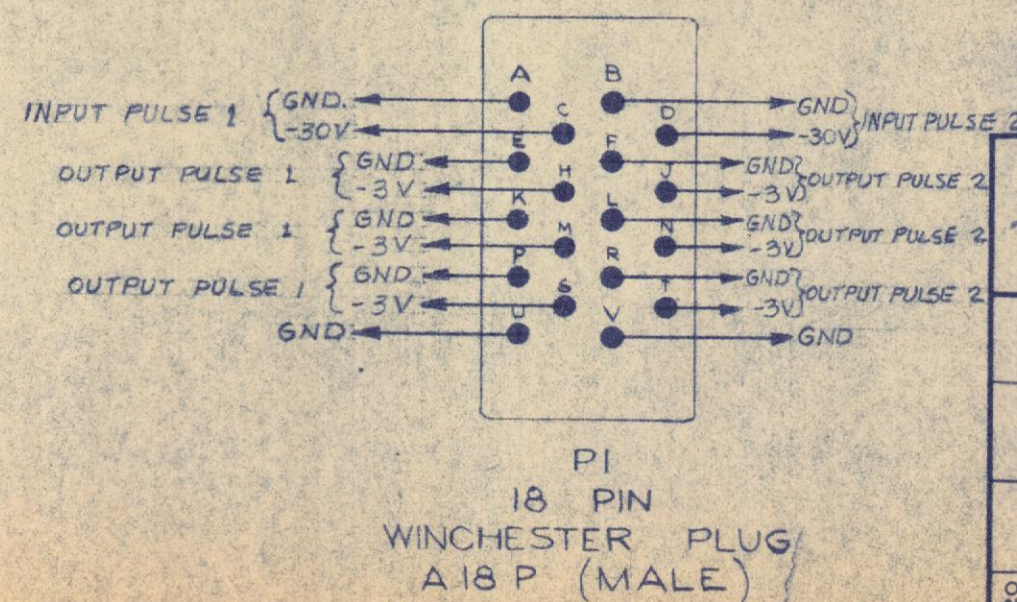
TRANSFORMER DETAIL



SCALE 1:1

PRINT ISSUED

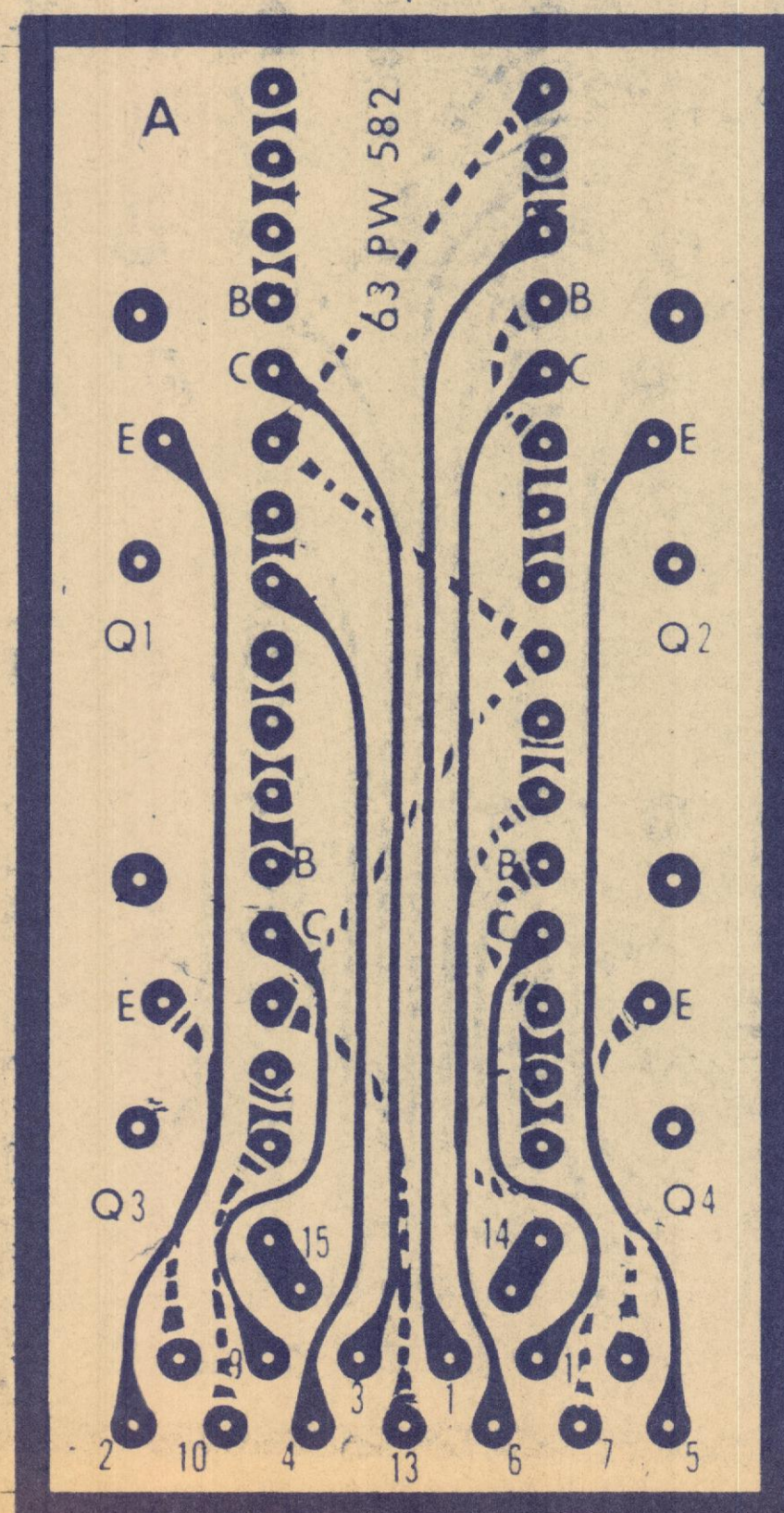
JUL 30 1957

GRADE I FOR REFERENCE ONLY
GRADE II PRELIMINARY DESIGN
GRADE III FINAL DESIGN
GRADED BY: DATE:

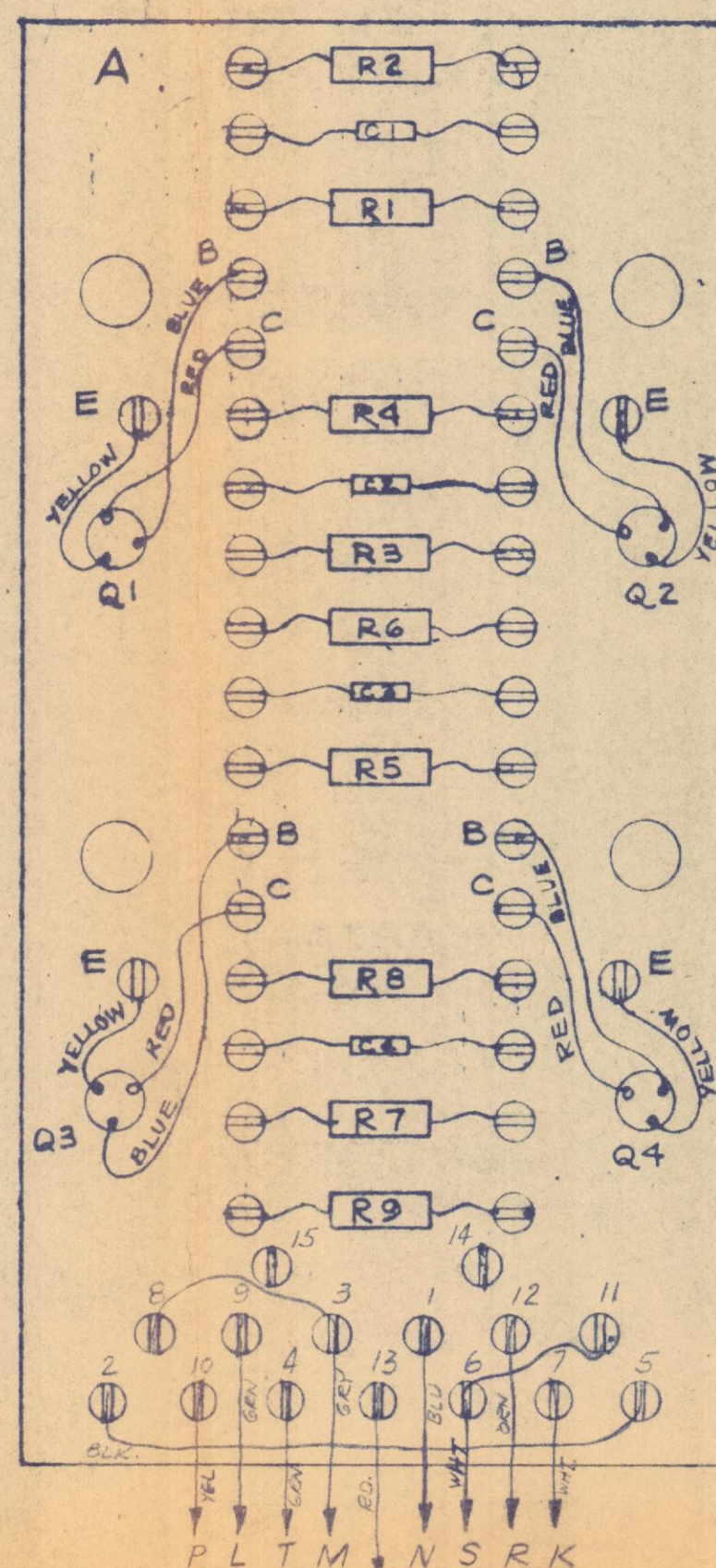
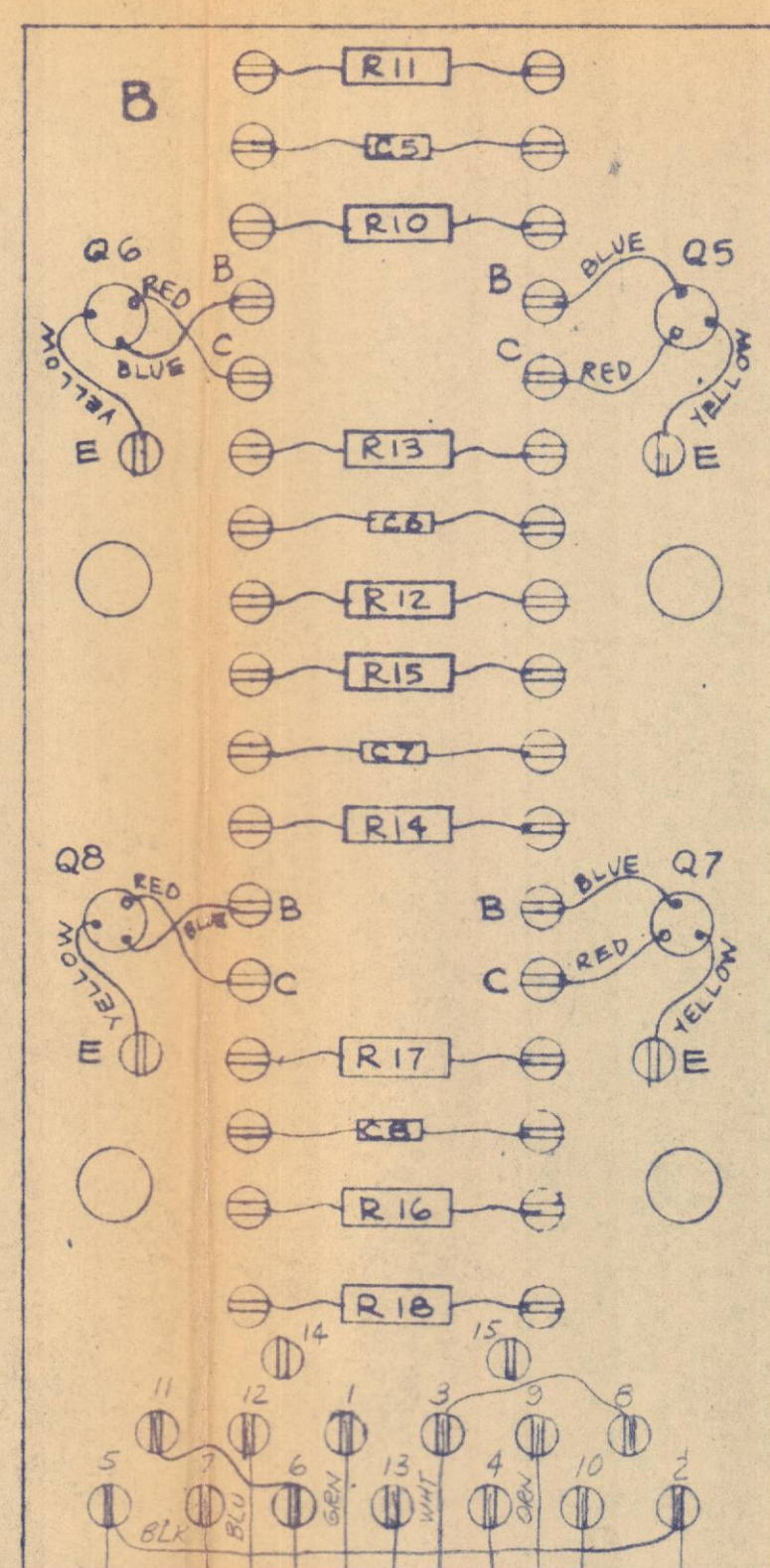
ITEM	MATERIAL-DESCRIPTION	PART NO.	QTY.
1	LINCOLN LABORATORY DIV. 6 MASSACHUSETTS INSTITUTE OF TECHNOLOGY LEXINGTON 73, MASS.		
2	ASSY, COMPOSITE & SCHEMATIC, P.I.U. PULSE TRANSFORMER, TX-2		
3	SCALE: 2:1		
4	DR. 7/23/57 M.B. HIRSH		
5	ENG. 7/23/57 K.H. Kunkel		
6	CK. 7/23/57 G.F. KEBLER		
7	APPD. 7/23/57 G. H. Kunkel		

D-82342

COMPOSITE



COMPONENT

CARD B
PIN 13CARD A
PIN 5

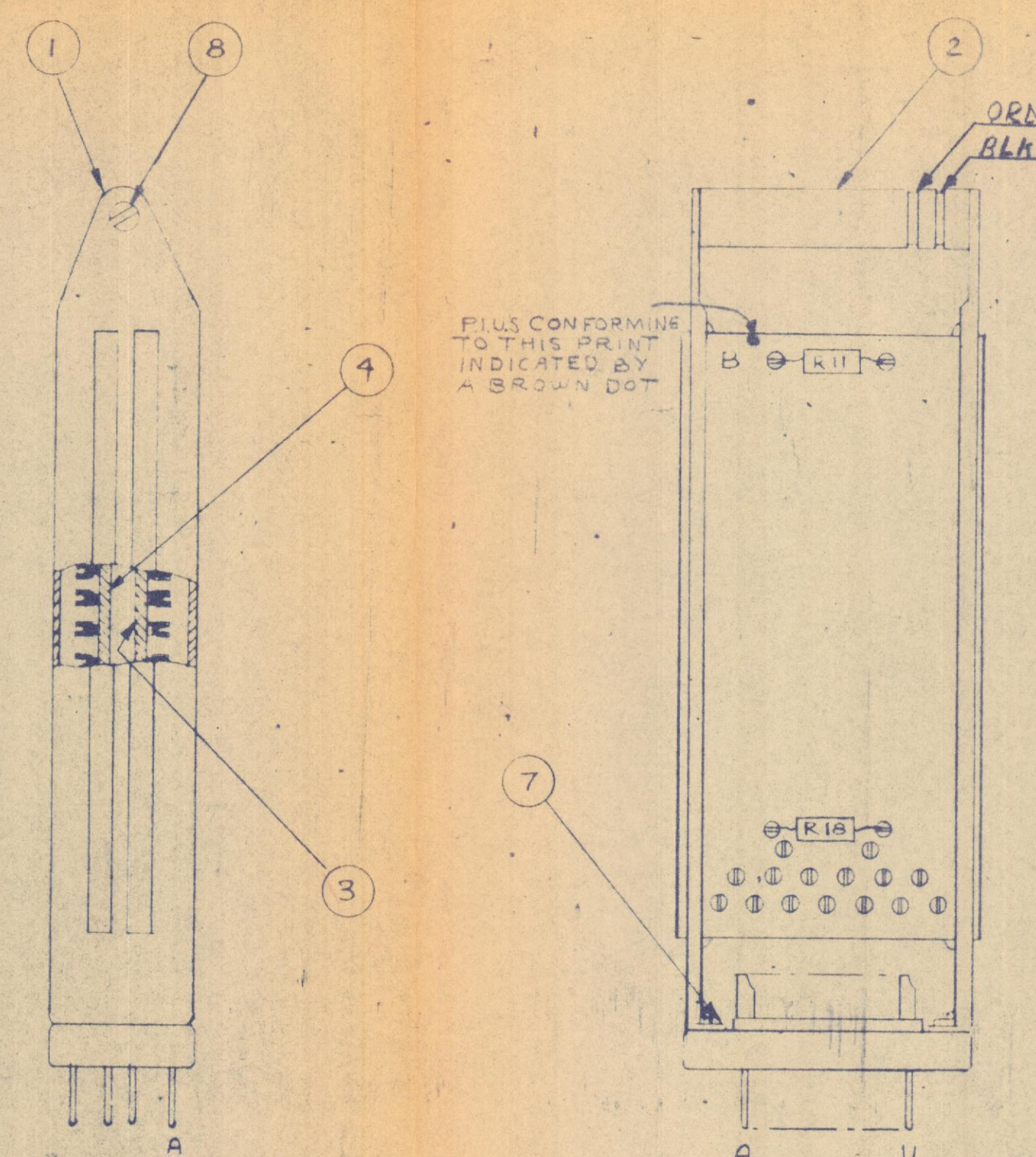
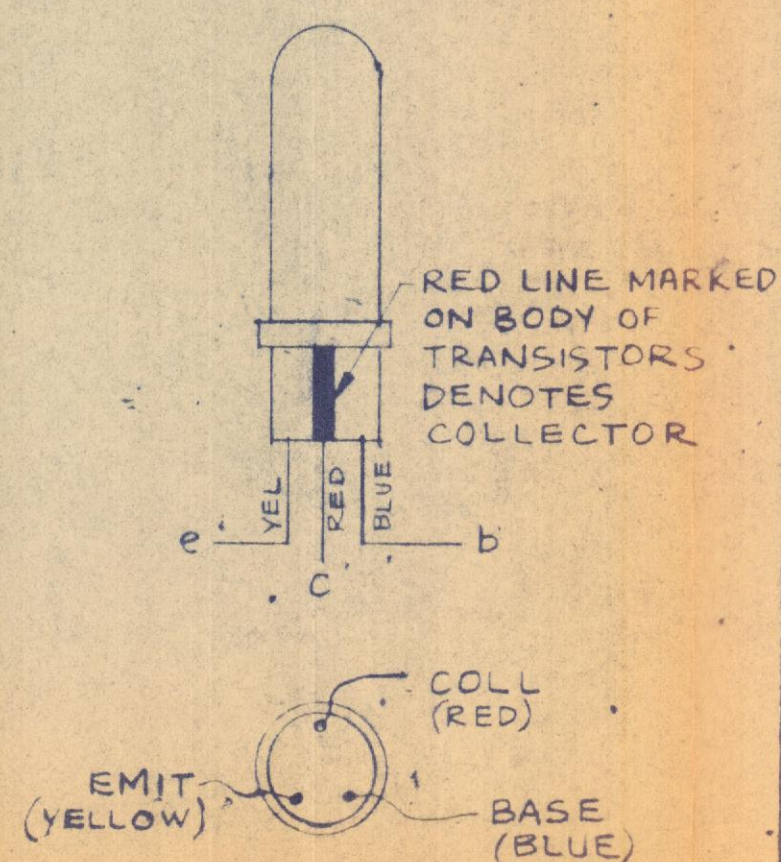
NOTES:-

1. UNLESS OTHERWISE SPECIFIED:
 - A. TRANSISTORS ARE PHILCO #5122
 - B. ALL RESISTORS ARE IN OHMS & ARE 1/2 WATT ±5%
 - C. ALL CAPACITORS ARE IN μ fd & ARE GLENCO MINIATURE CERAMIC ±10%
2. ALL WIRE #22 STRANDED

DRAWING REFERENCES:

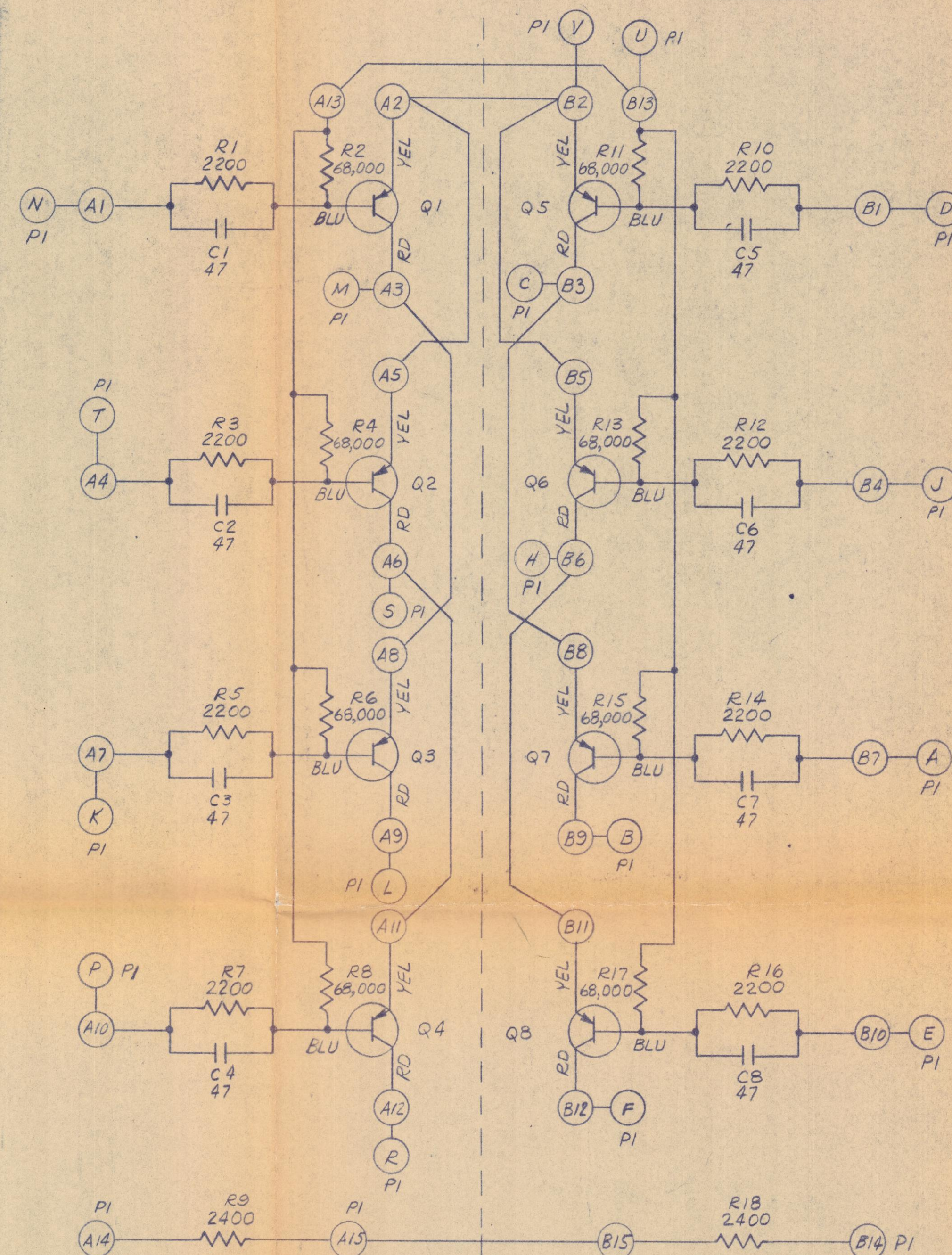
1. DETAIL CARD: A-67223
2. 4:1 MASTER: B-
3. DETAIL, PLUG-IN UNIT: C-66896
4. DETAIL, HANDLE: B-66898
5. PARTS LIST: PL-80129

PHILCO #5122

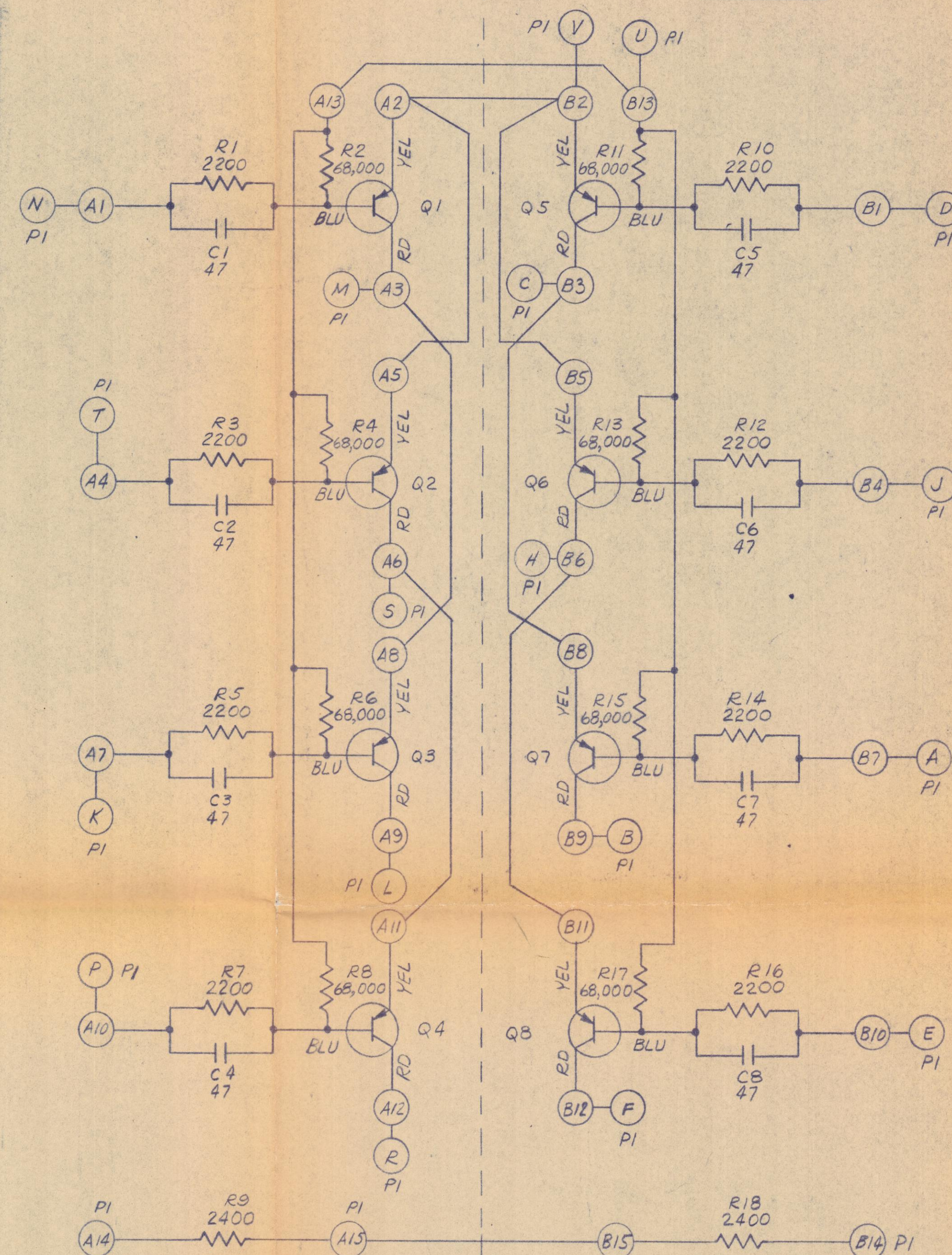


SCALE 1:1

CARD "A"

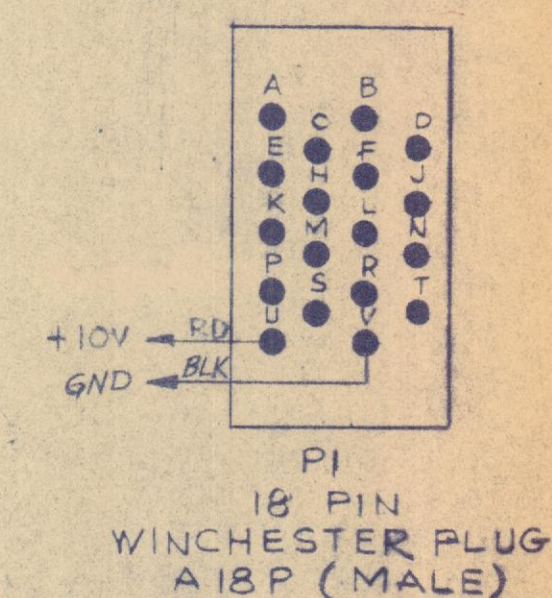


CARD "B"



NOTE:

- (A1) DENOTES LUG 1 ON CARD A
(B1) DENOTES PIN B ON PI

GRADE I - FOR REFERENCE ONLY
GRADE II - PRELIMINARY DESIGN
GRADE III - FINAL DESIGN
GRADED BY: DATE:

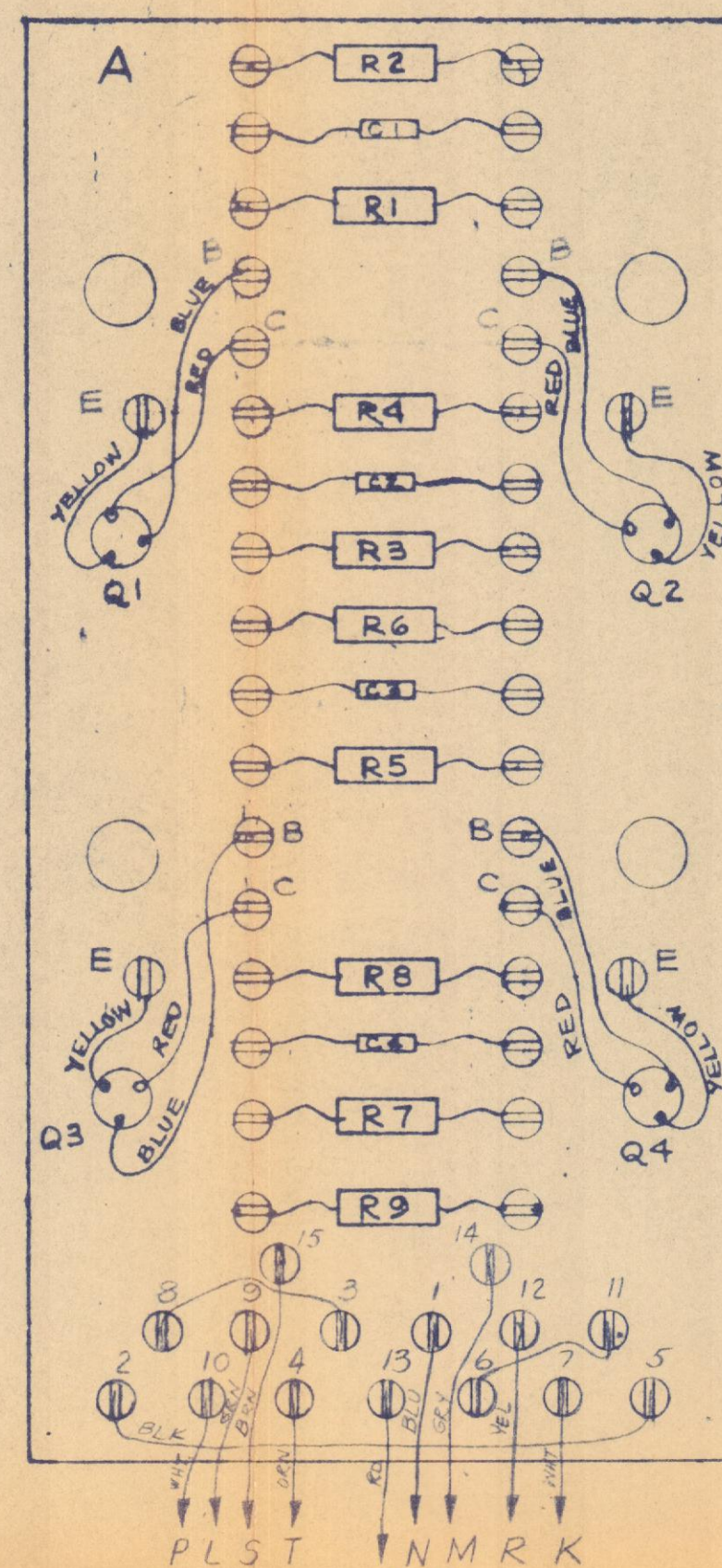
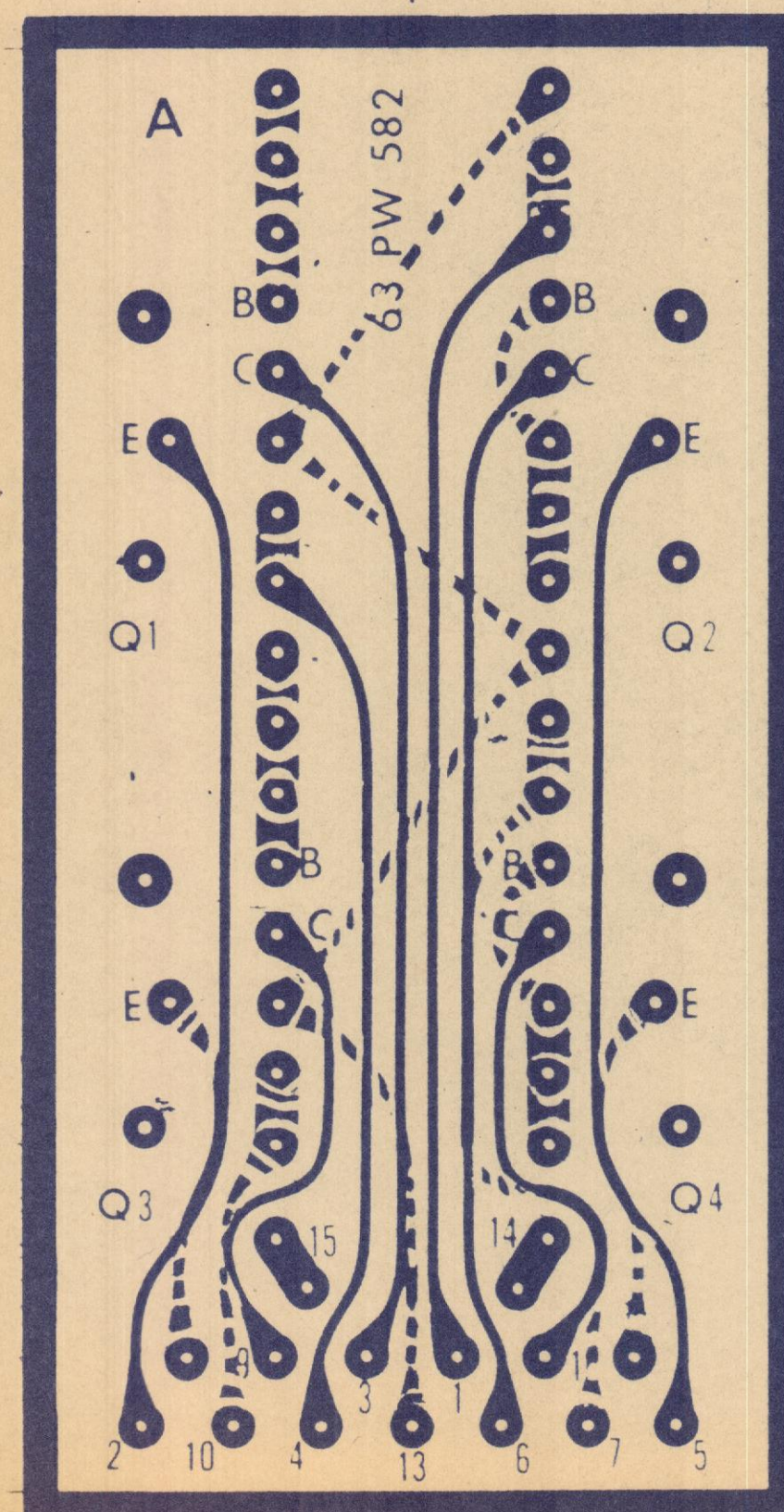
ITEM	MATERIAL-DESCRIPTION	PART NO.	QTY.
1	LINCOLN LABORATORY DIV 6 MASSACHUSETTS INSTITUTE OF TECHNOLOGY LEXINGTON 73, MASS.		
2	ASSY. COMPOSITE & SCHEMATIC, PIU. SERIES (B) INVERTER, TX-2		
3	SCALE 2:1		
4	DR 3-8-57 M.B. HIKES		
5	ENG 4-8-57 CK 4-8-57 APPD 4-8-57 K.H. DOWLING A. GRIFFIN K.H. ROUSE		

PRINTED
APR 11 1957

Kolsen

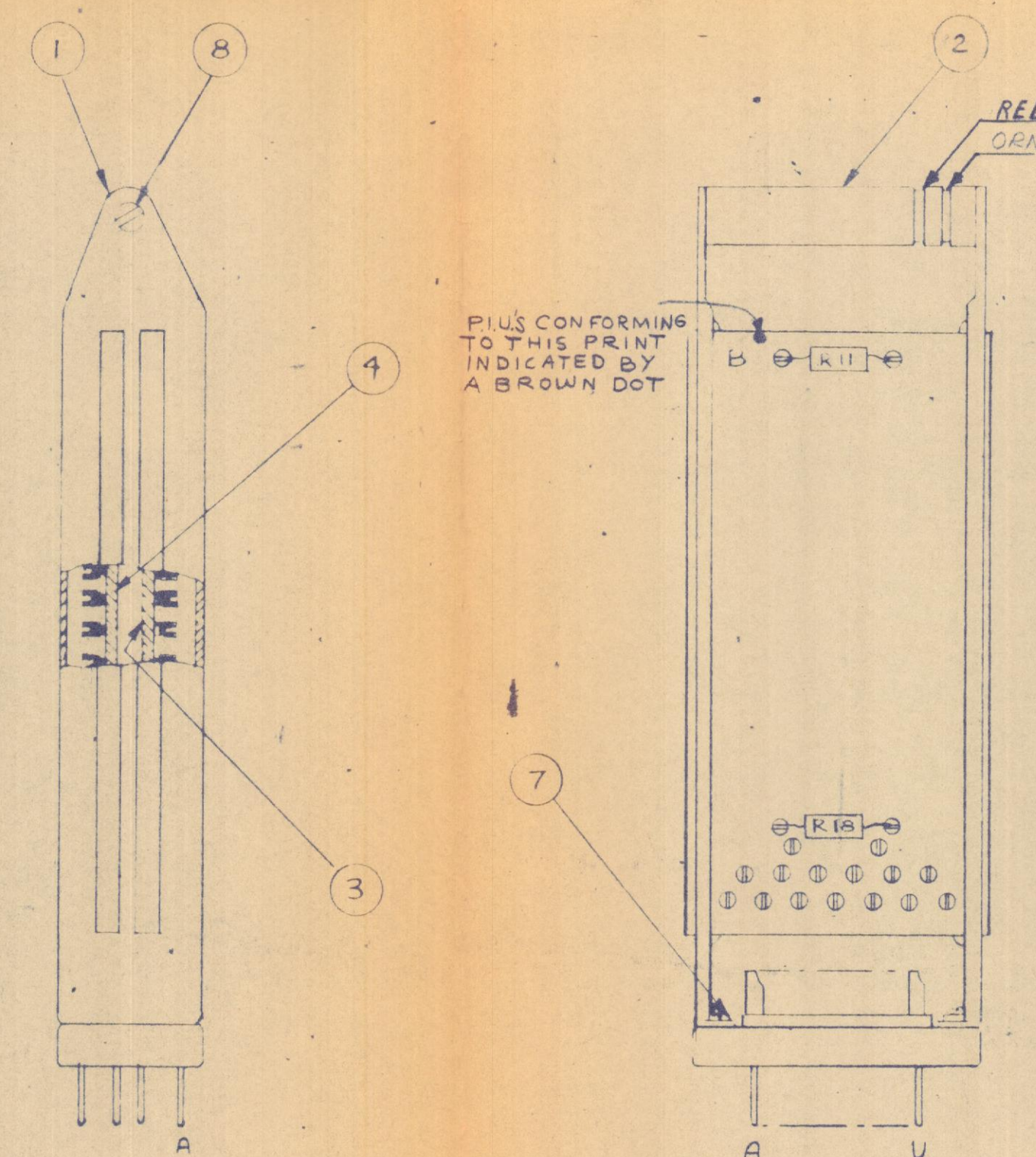
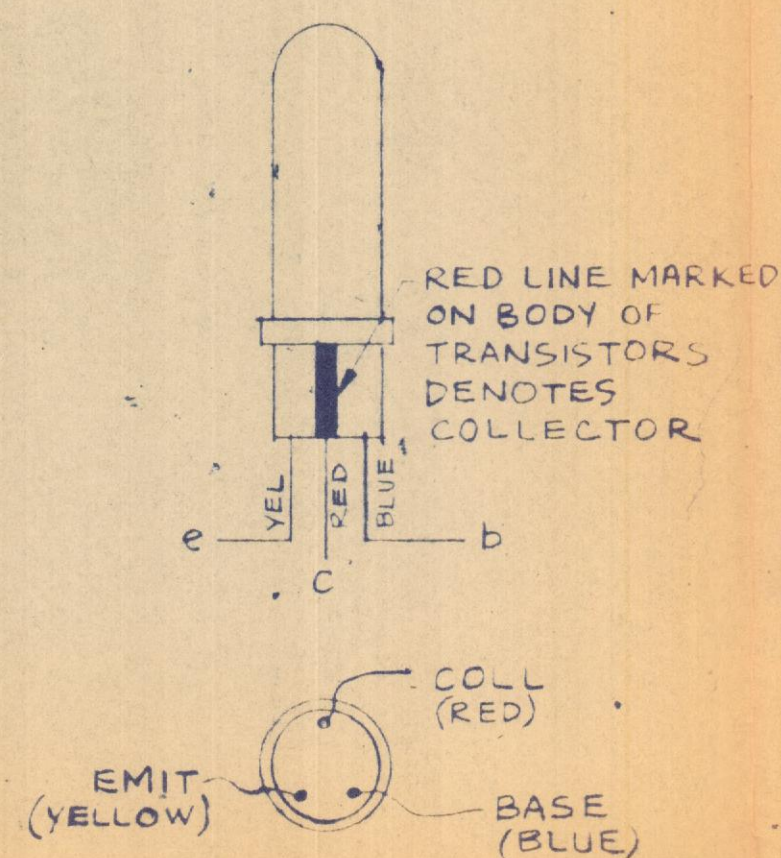
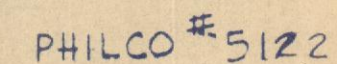
D-80129

COMPONENT

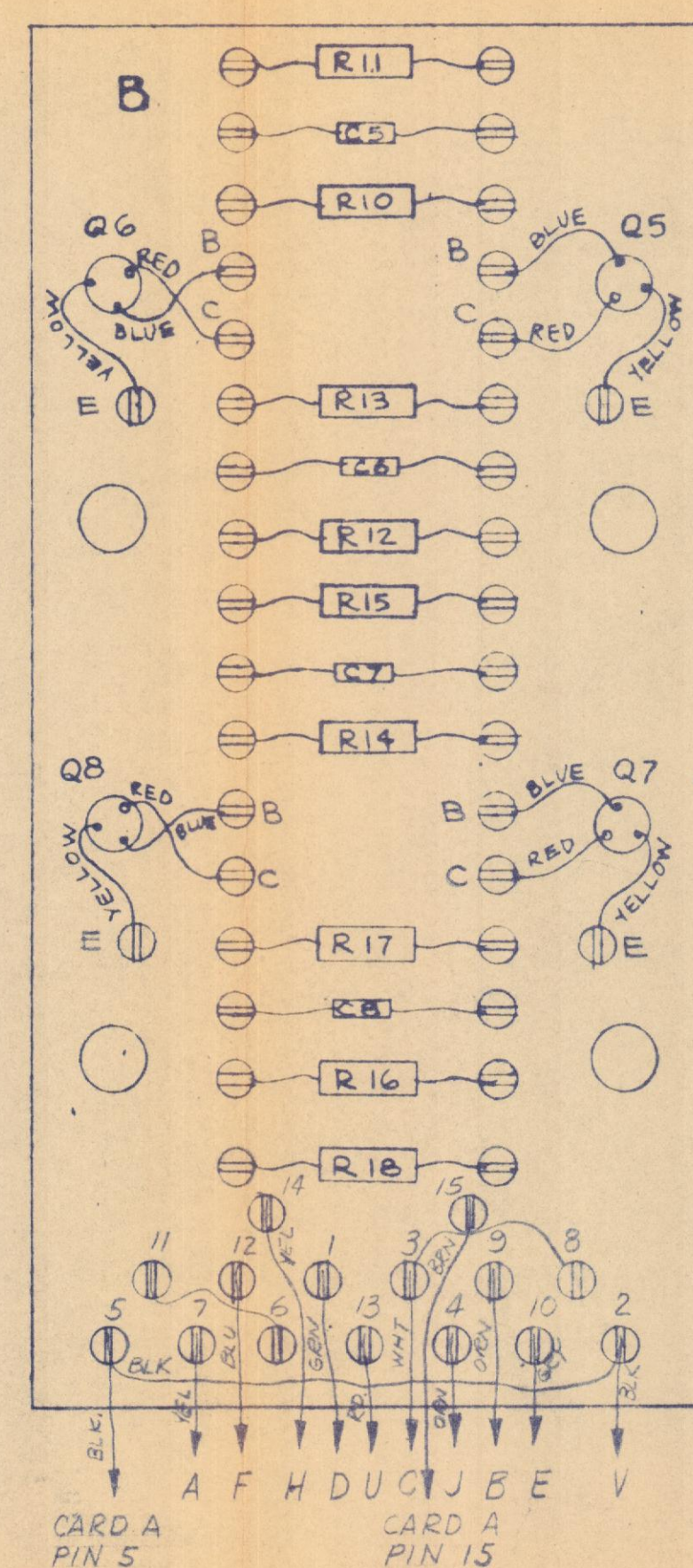
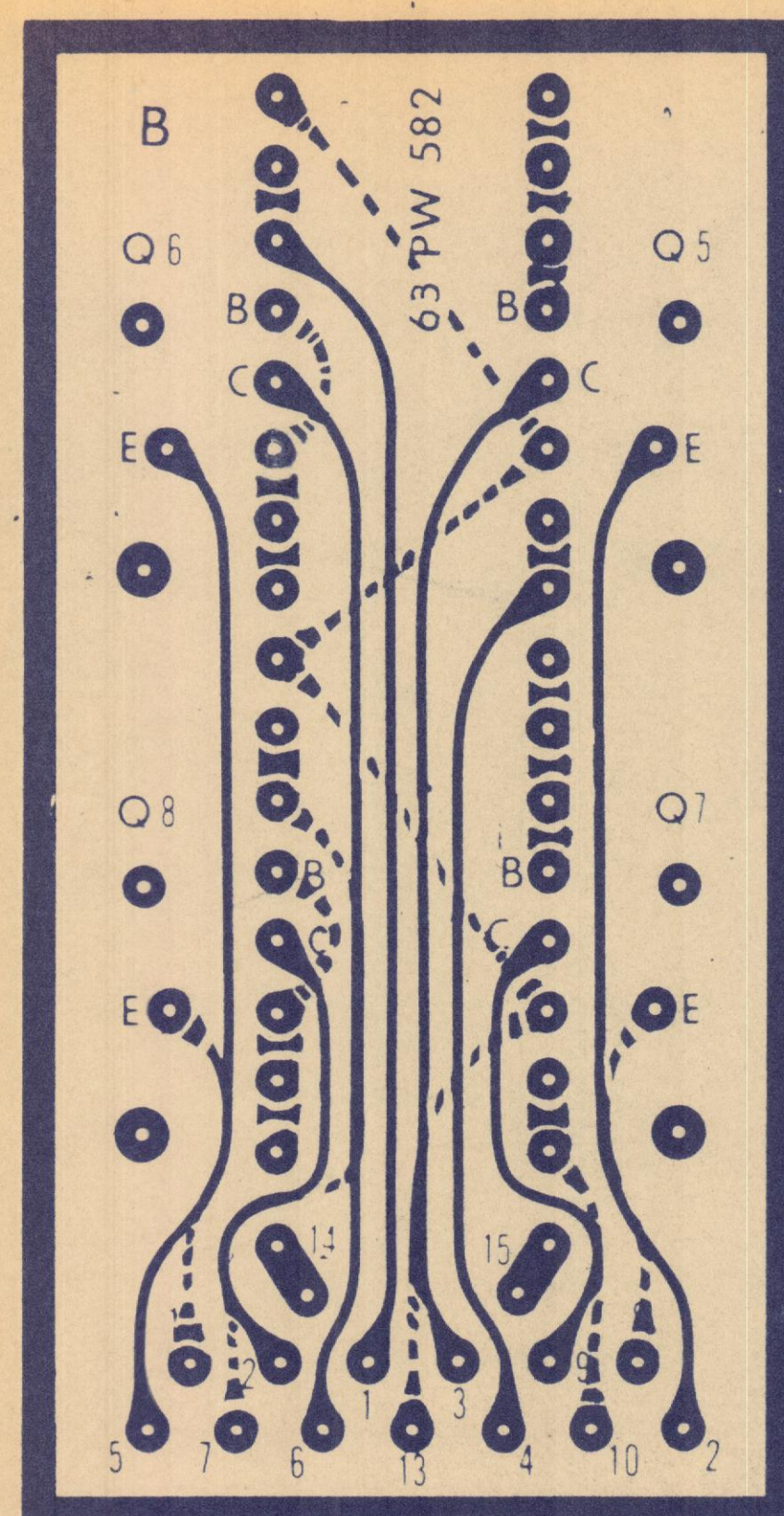


1. UNLESS OTHERWISE SPECIFIED:
A. TRANSISTORS ARE PHILCO #5122
B. ALL RESISTORS ARE IN OHMS $\pm$
ARE $1/2$ WATT $\pm 5\%$
C. ALL CAPACITORS ARE IN μ fd
 $\pm$ ARE GLENCO MINIATURE
CERAMIC $\pm 10\%$
2. ALL WIRE #22 STRANDED

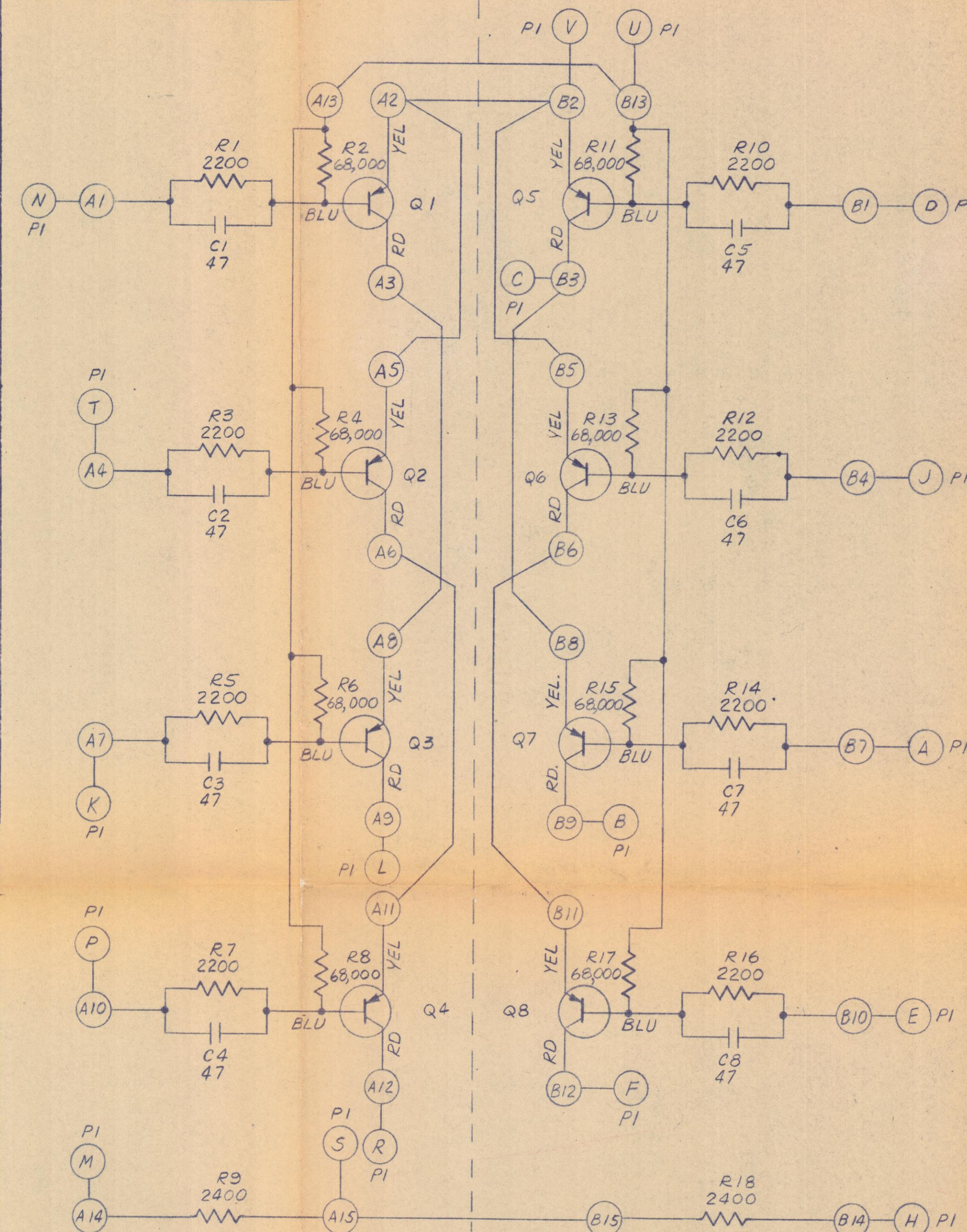
1. DETAIL CARD: A-67223
2. 4:1 MASTER: B-
3. DETAIL, PLUG-IN UNIT C-66896
4. DETAIL, HANDLE: B-66898
5. PARTS LIST: PL-80130



SCALE 1:1



CARD "B"

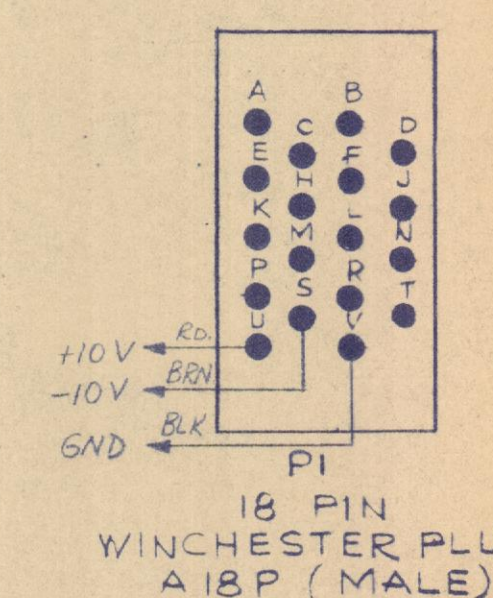


(A) DENOTES LUG 1 ON CARD A

(B) DENOTES PIN B ON PI

PRINTED IN U.S.A.
APR 11 1957

Kolsen

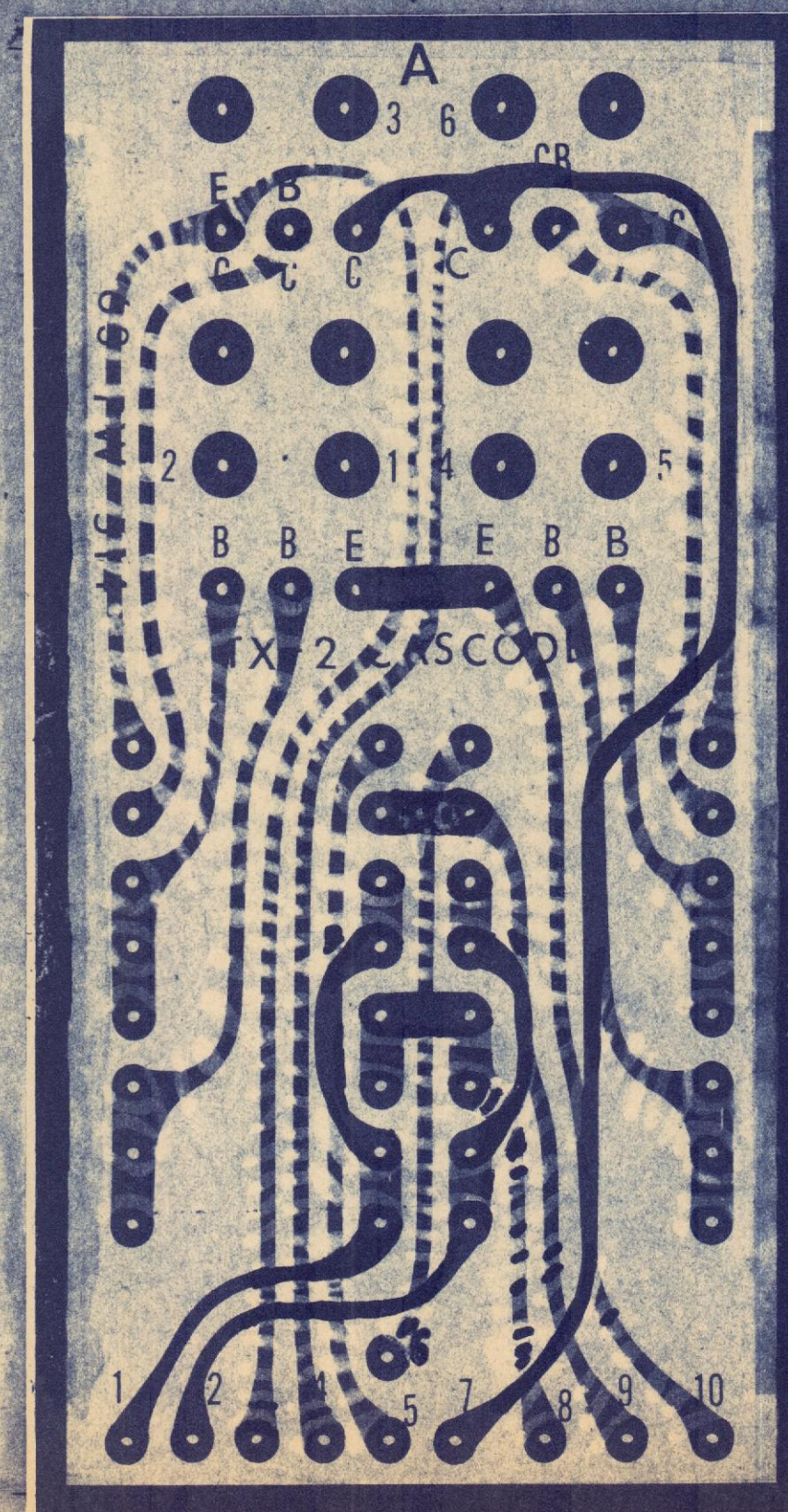


GRADE I FOR REFERENCE ONLY GRADE II PRELIMINARY DESIGN GRADE III FINAL DESIGN												ITEM _____ MATERIAL-DESCRIPTION _____ PART NO. _____ QTY _____	
GRADED BY: DATE: _____												LINCOLN LABORATORY- DIV. 6 MASSACHUSETTS INSTITUTE OF TECHNOLOGY LEXINGTON 73, MASS.	
DATE: _____												ASS'Y, COMPOSITE & SCHEMATIC, P.I.U. SERIES (BR) INVERTER, TX-2	
CN: _____												SCALE 2:1 DR 3-28-57 M.B. HIRSH	
ENO 4-8-57 CK 4-8-57 APWD 4-8-57 K.H. Horkle A.G. GIFFIN K.H. Horkle												D-80130	

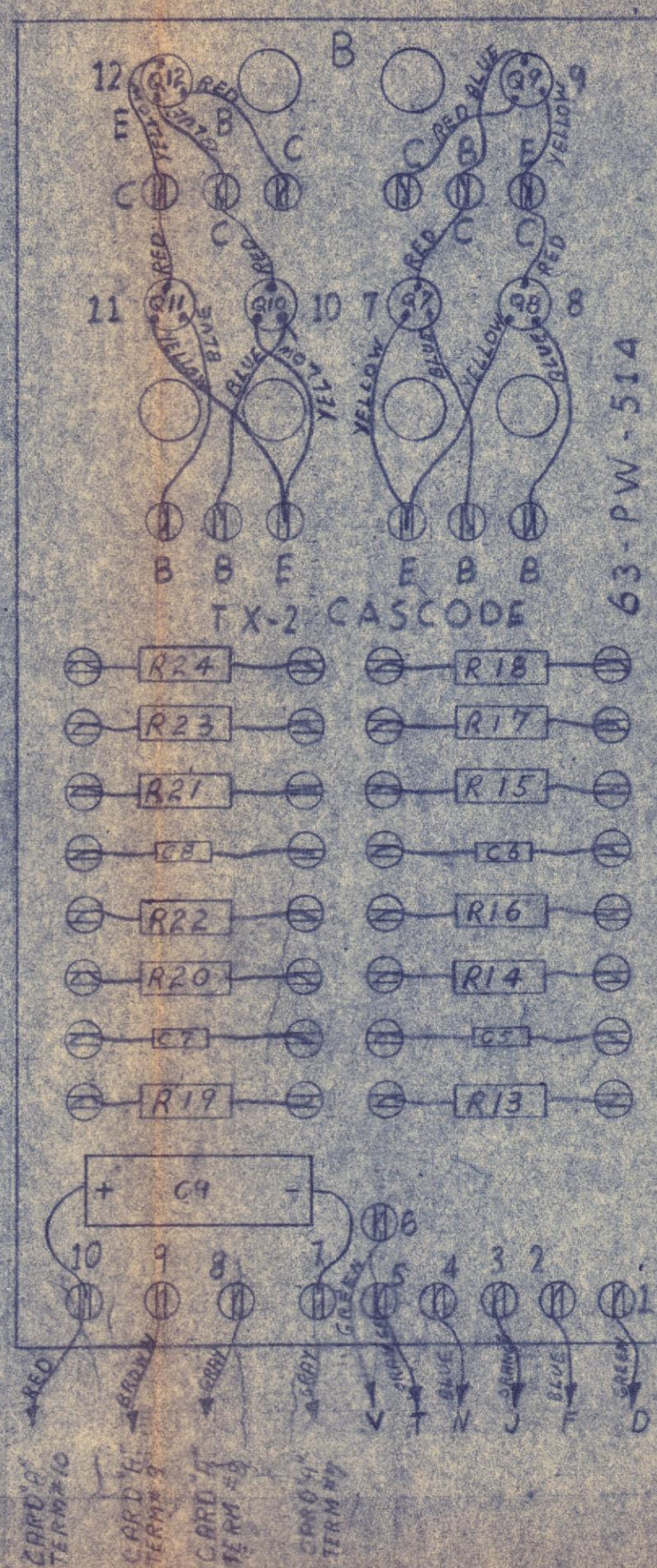
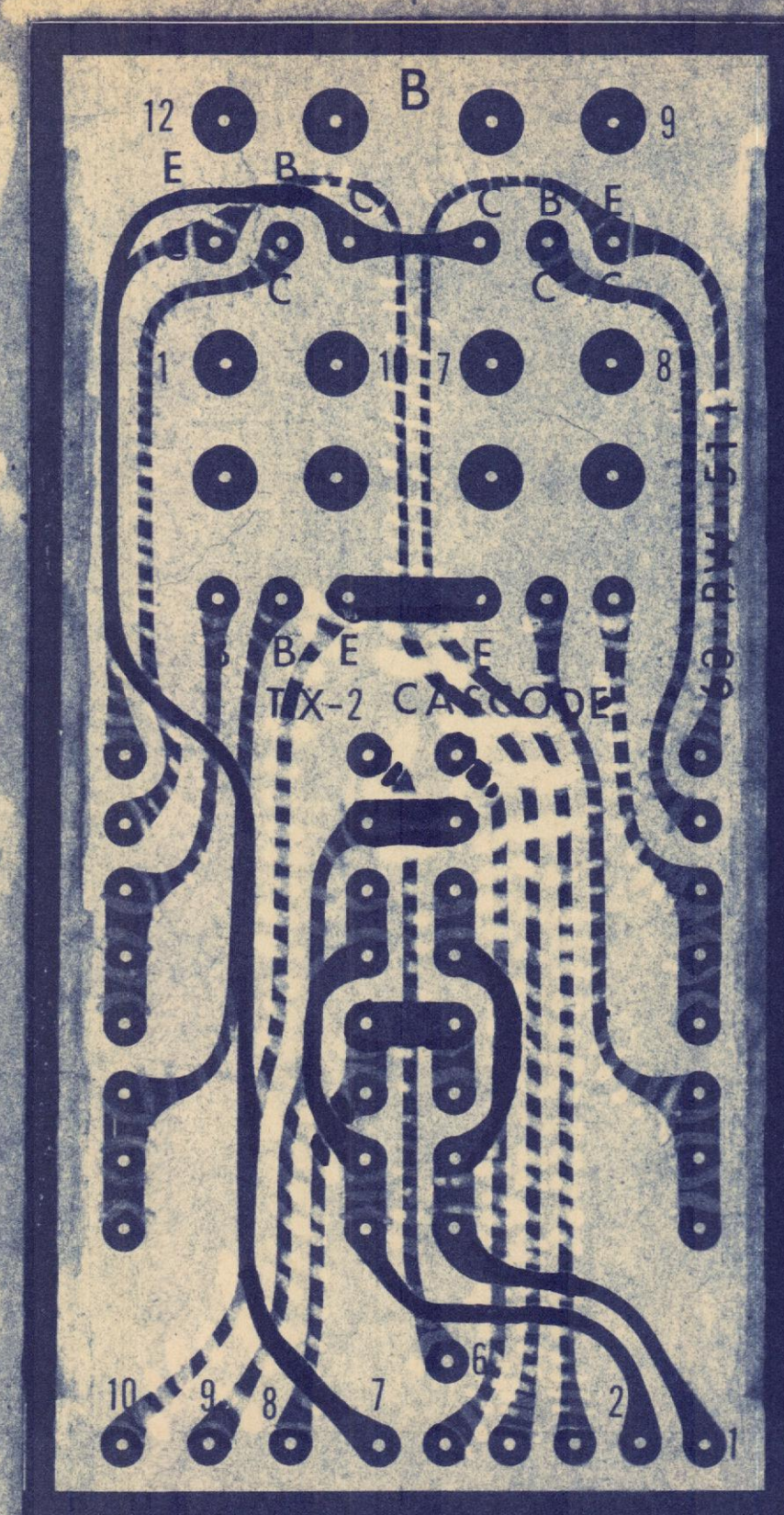
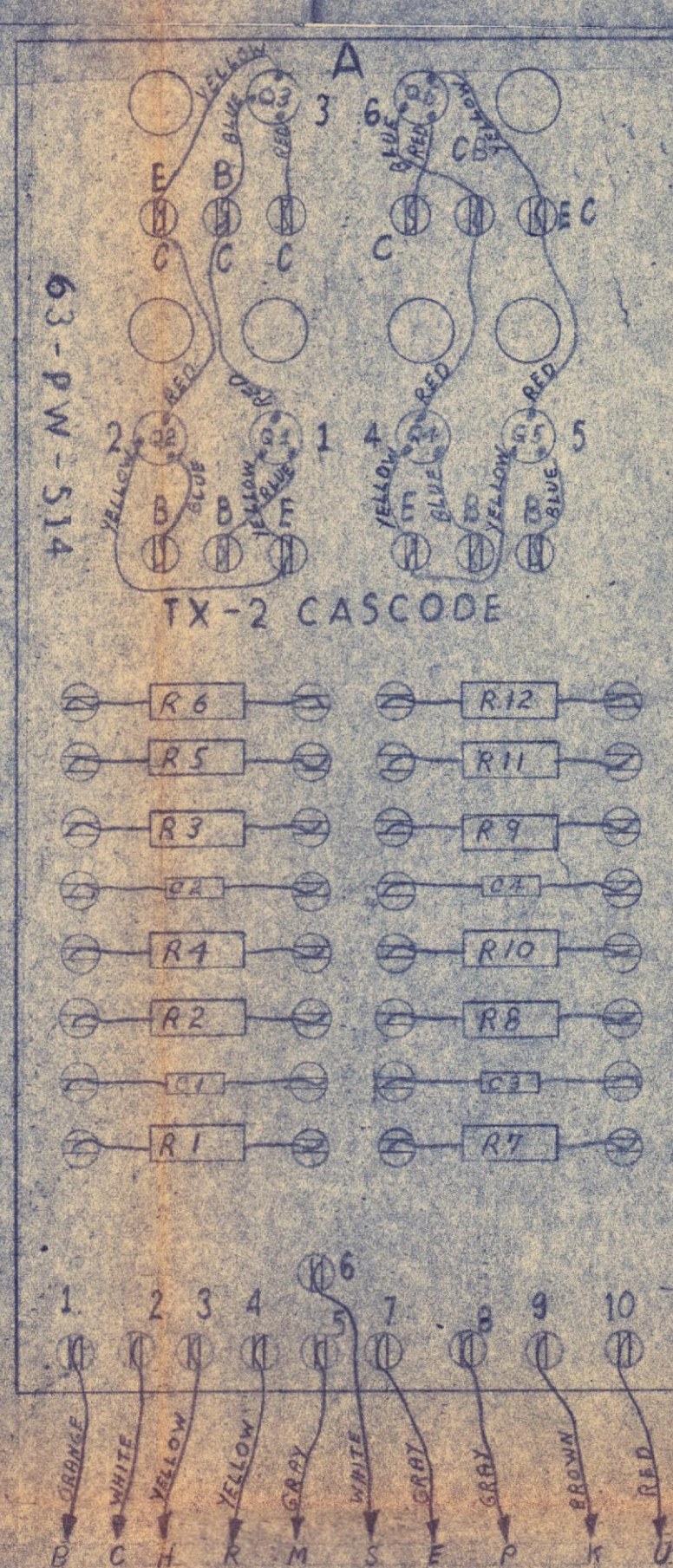
D-67159

TOLERANCES NOT OTHERWISE SPECIFIED
DECIMAL 2.00% FRACTIONAL 1/4% ANGULAR 1/2°
DIMENSIONS ENCLOSED THUS 0.005 FOR REFERENCE ONLY

COMPOSITE



COMPONENT



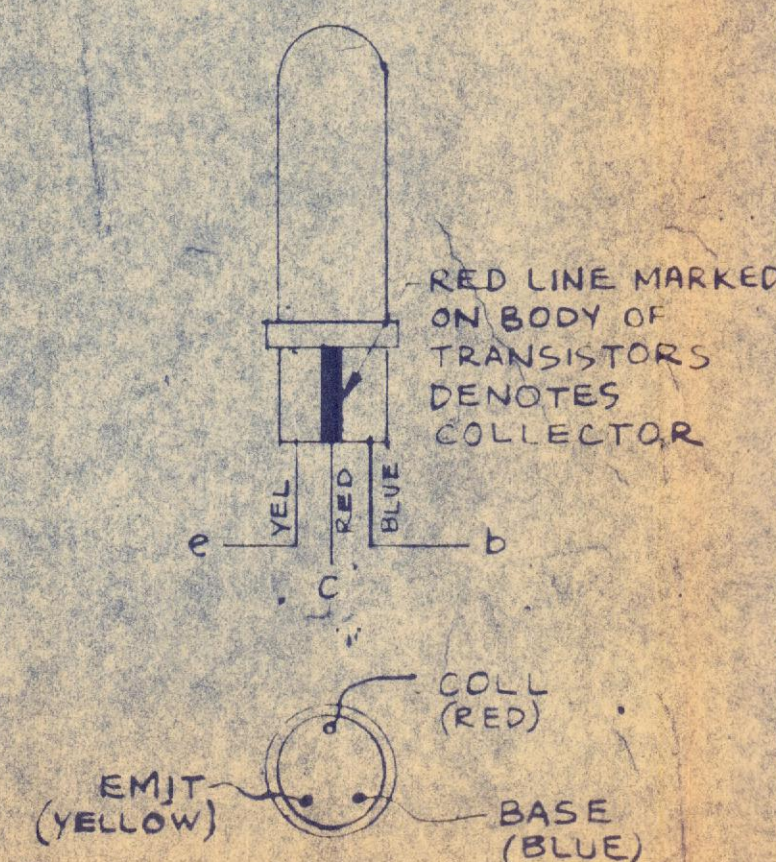
NOTES:

- UNLESS OTHERWISE SPECIFIED:
 - TRANSISTORS ARE PHILCO #5122 & 5134
 - ALL RESISTORS ARE IN OHMS & ARE 1/2 WATT $\pm 5\%$
 - ALL CAPACITORS ARE IN μfd & ARE GLENCO MINIATURE CERAMIC $\pm 10\%$
- ALL WIRE #22 STRANDED

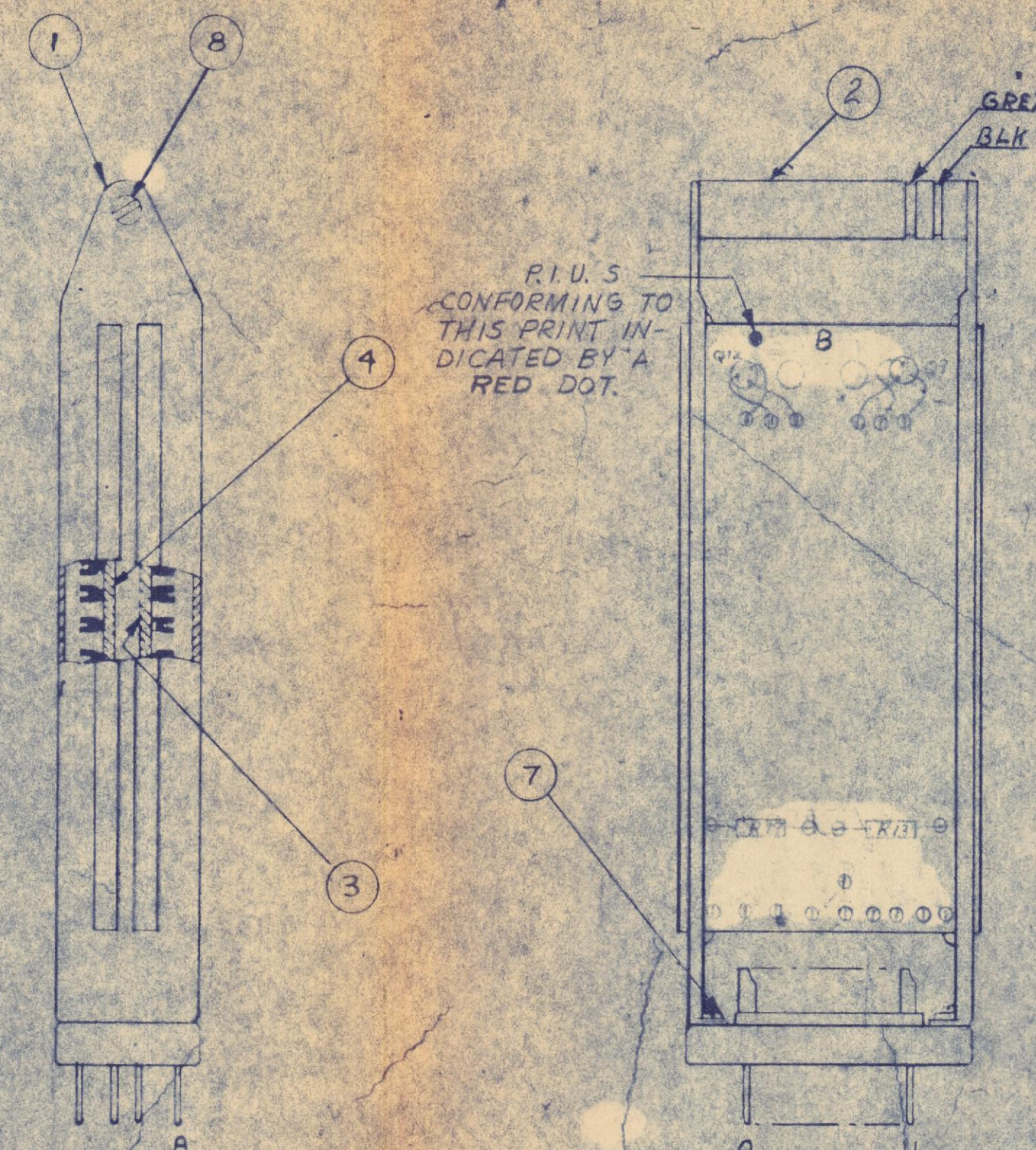
DRAWING REFERENCES:

- DETAIL CARD: A-67223
- 4:1 MASTER: B-
- DETAIL, PLUG-IN UNIT: C-66896
- DETAIL, HANDLE: B-66898
- PARTS LIST: PL-67159

PHILCO #5122 & 5134



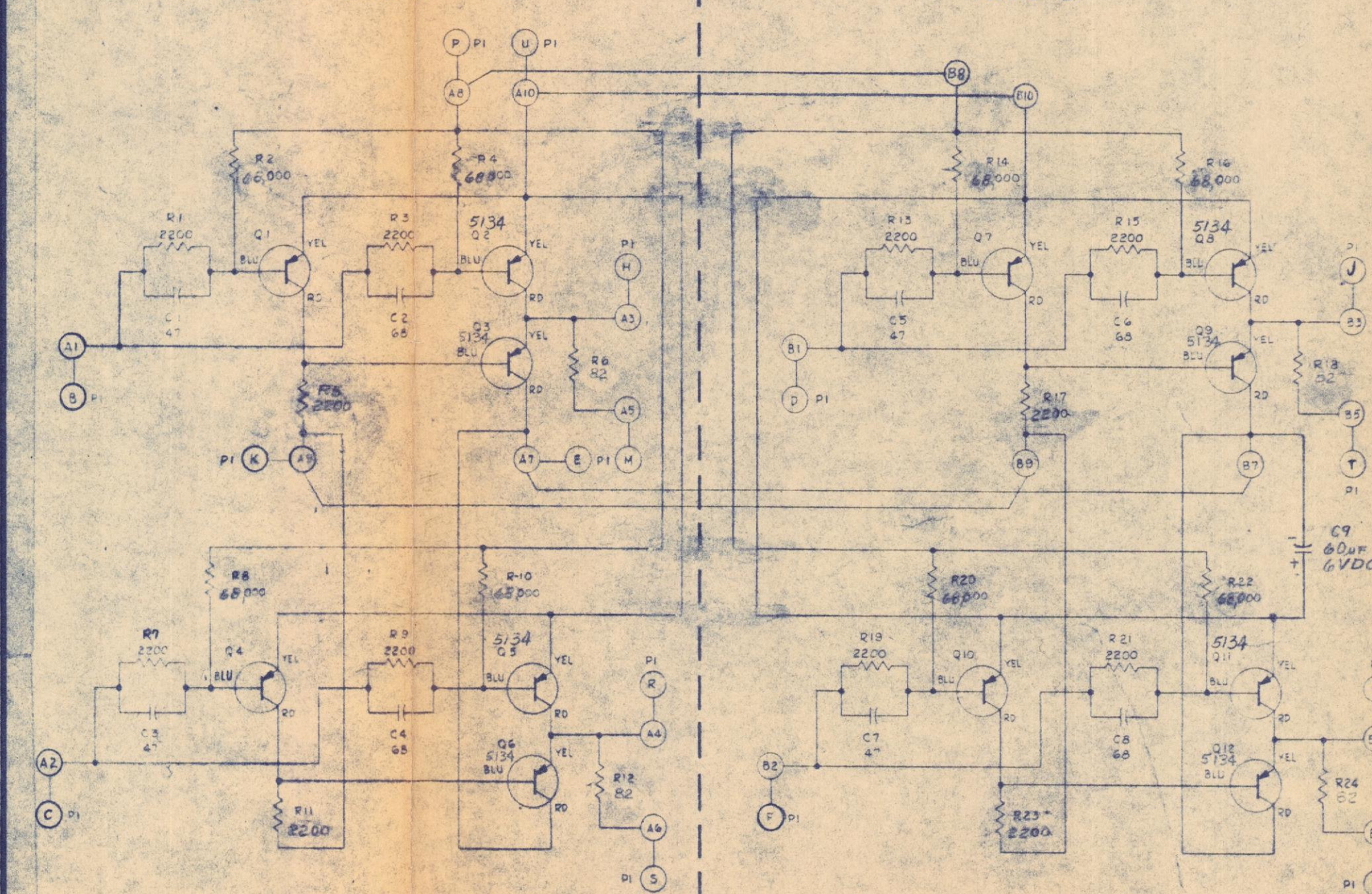
SCALE 4:1



SCALE 1:1

CARD A

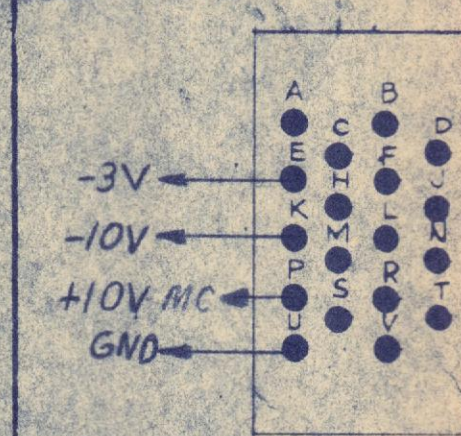
CARD B



NOTES:

- DENOTES LUG 1 ON CARD "A"
- DENOTES PIN 6 ON PLUG P1

K. DASARI

18 PIN WINCHESTER PLUG
A18P (MALE)GRADE I FOR REFERENCE ONLY
GRADE II PRELIMINARY DESIGN
GRADE III FINAL DESIGN

GRADED BY: DATE:

ITEM MATERIAL DESCRIPTION PART NO. QTY

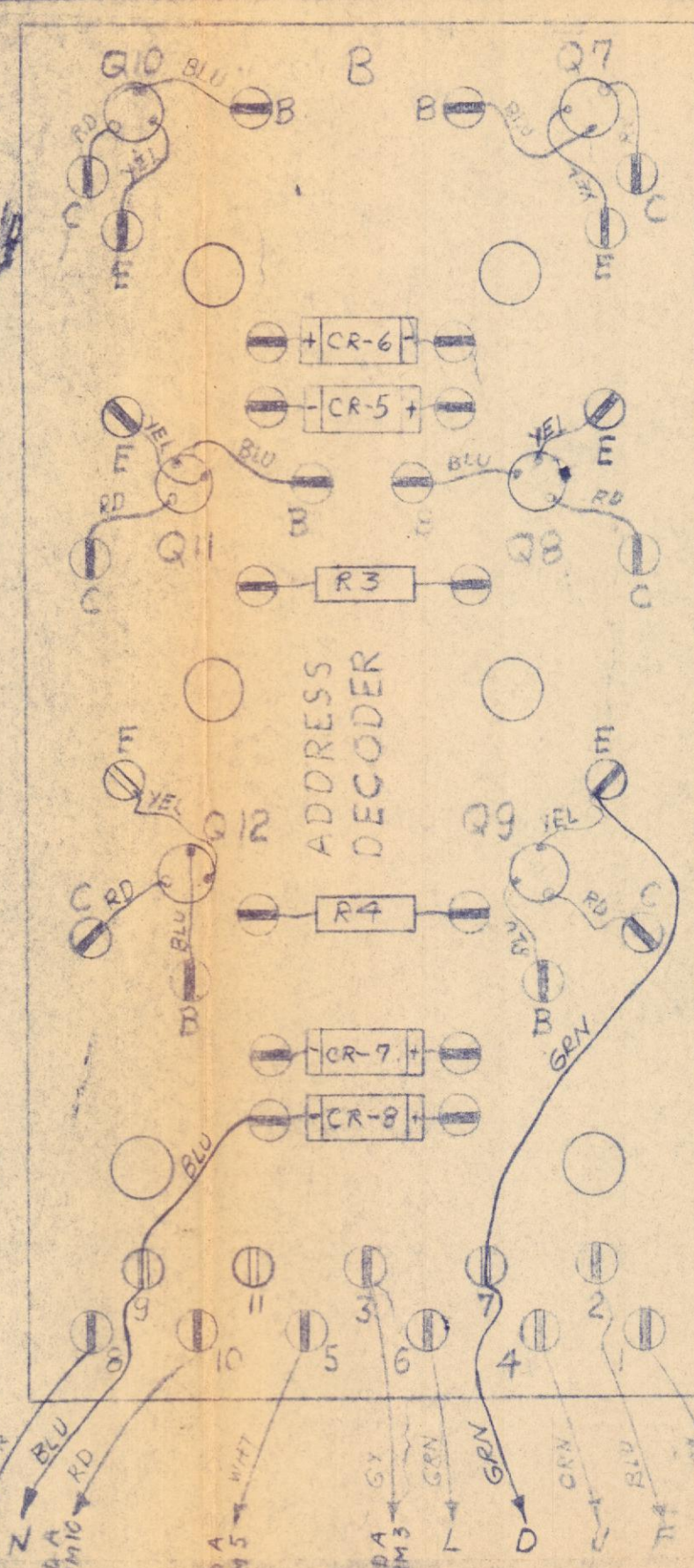
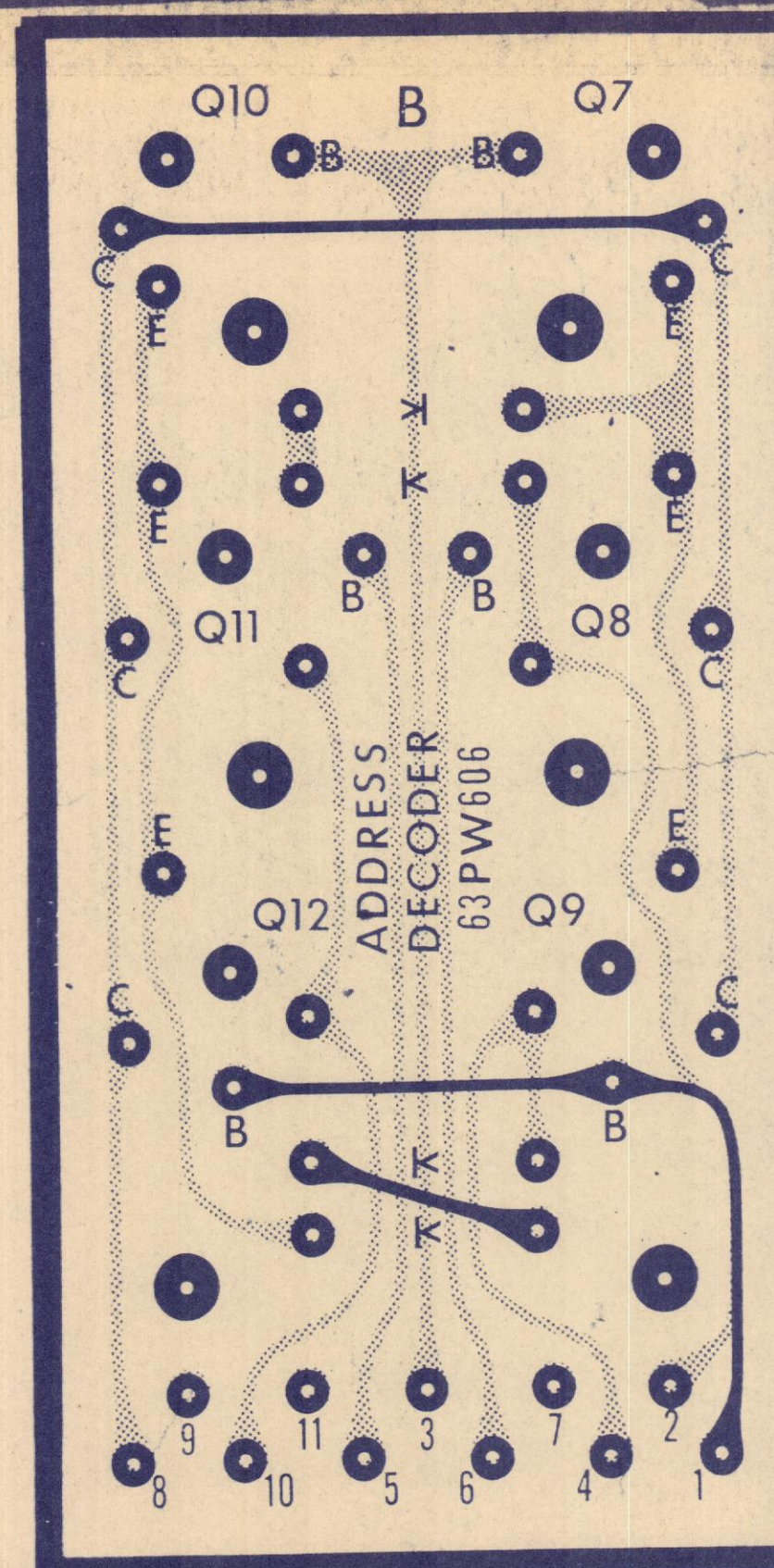
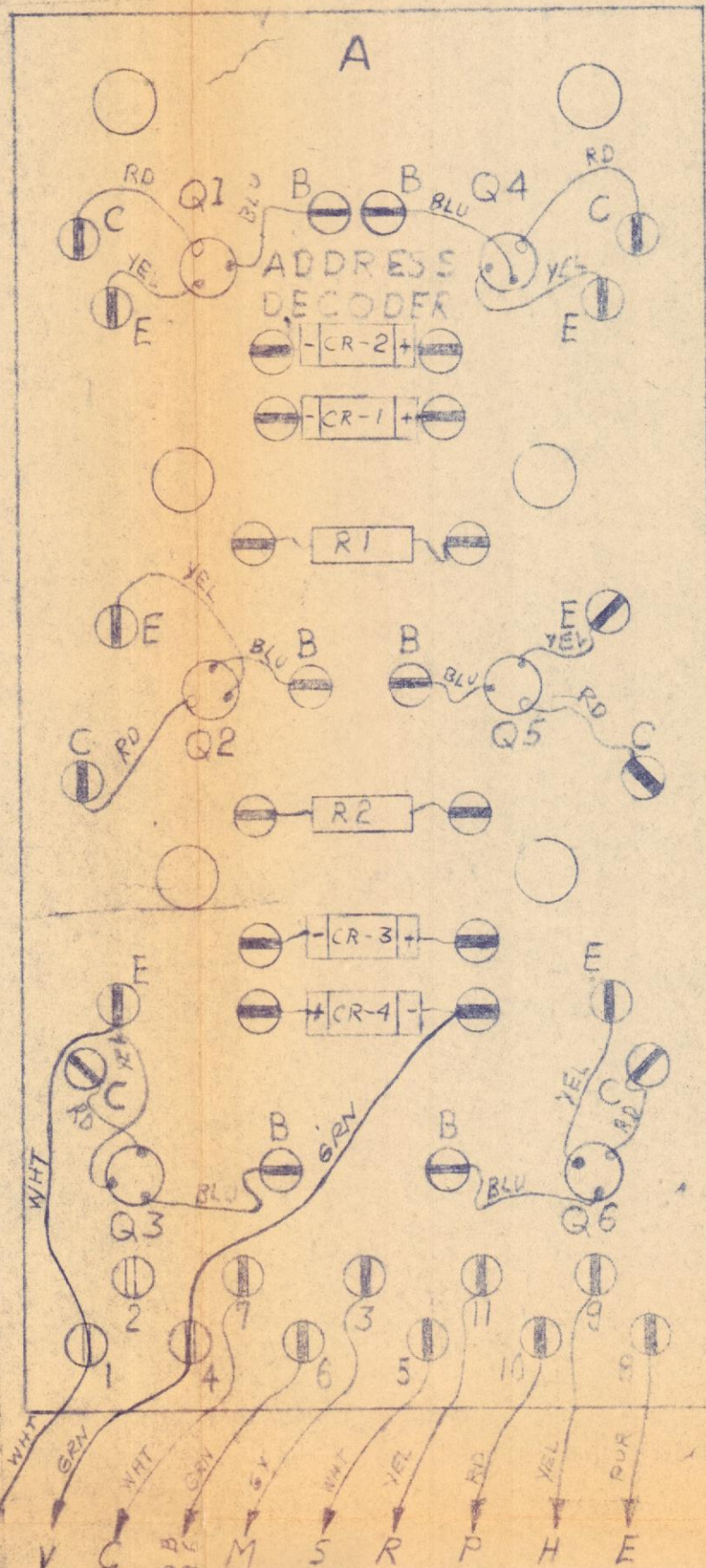
LINCOLN LABORATORY DIV. 6
MASSACHUSETTS INSTITUTE OF TECHNOLOGY
LEXINGTON 73, MASS.ASSY COMPOSITE SCHEMATIC RIV
CASCODE CABLE DRIVER TX-2

SCALE 2:1 DR 223

ENG. G. E. C. 2-26-55 APPD. G. E. C. 2-26-55

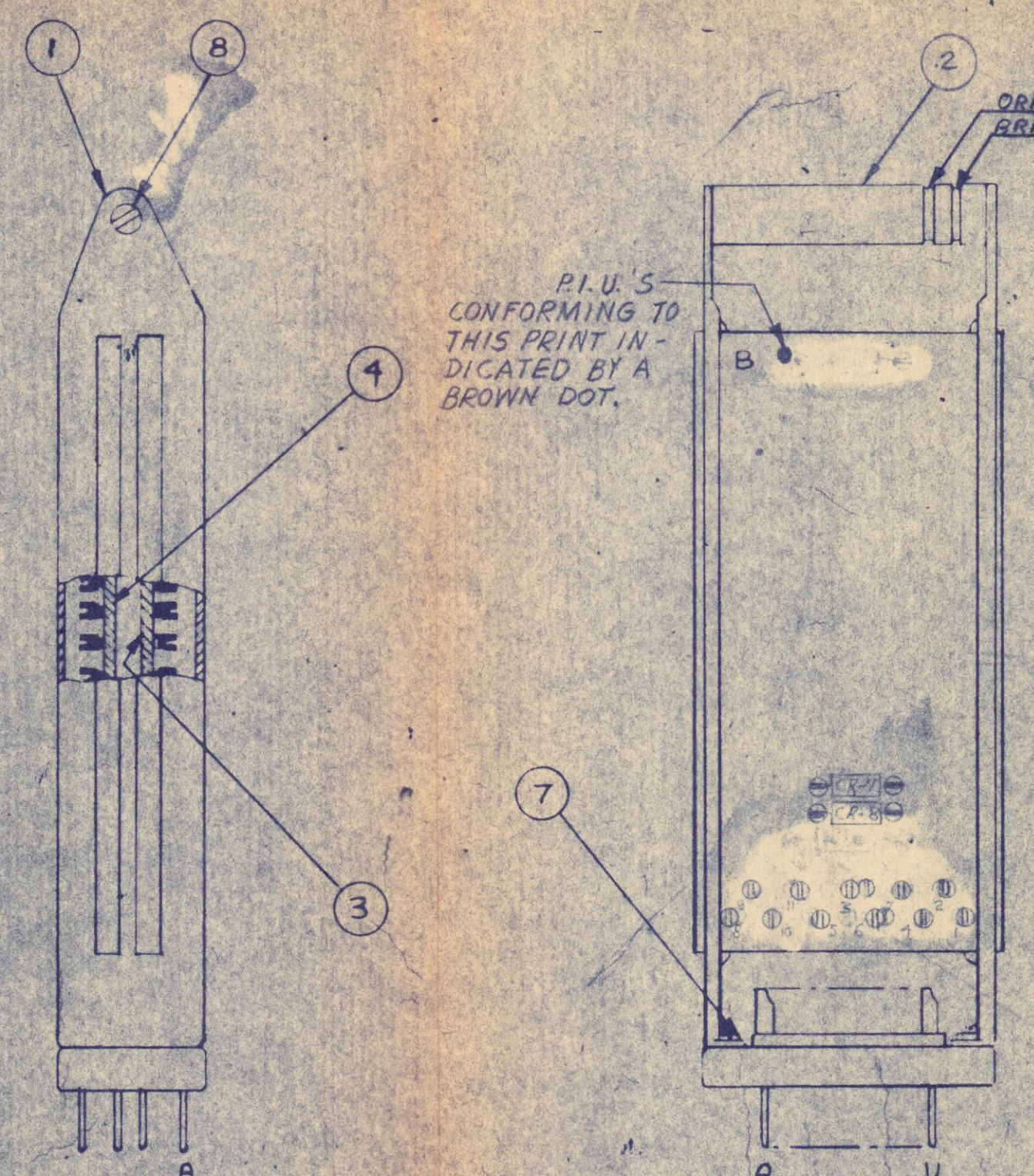
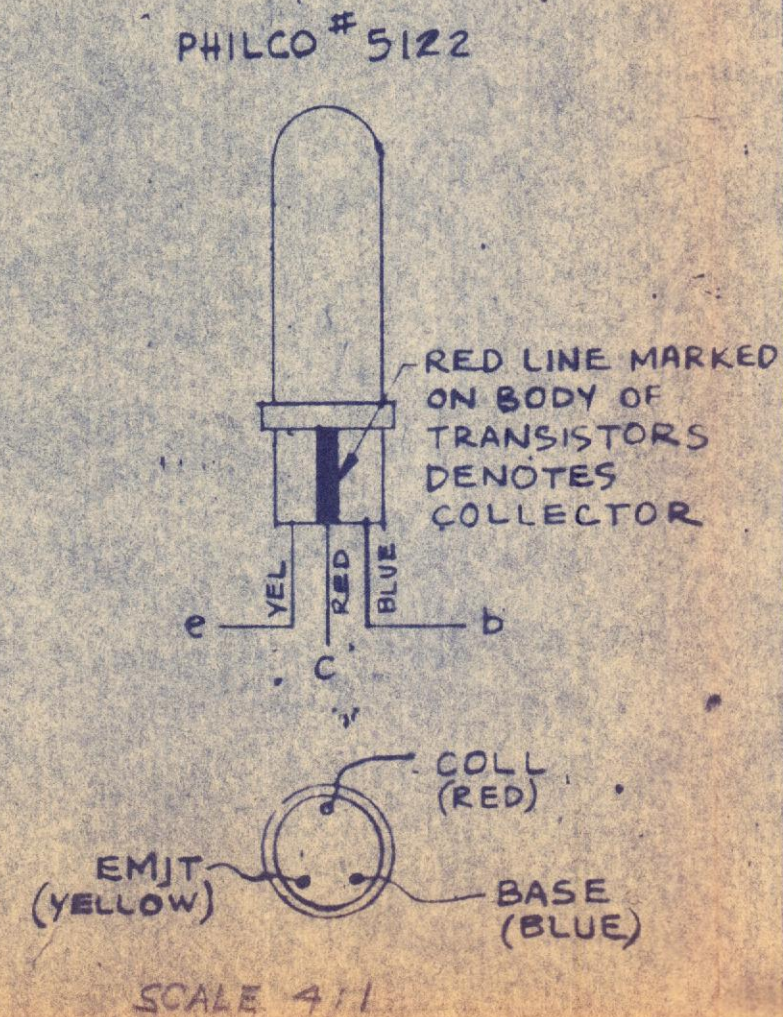
D-67159

COMPONENT

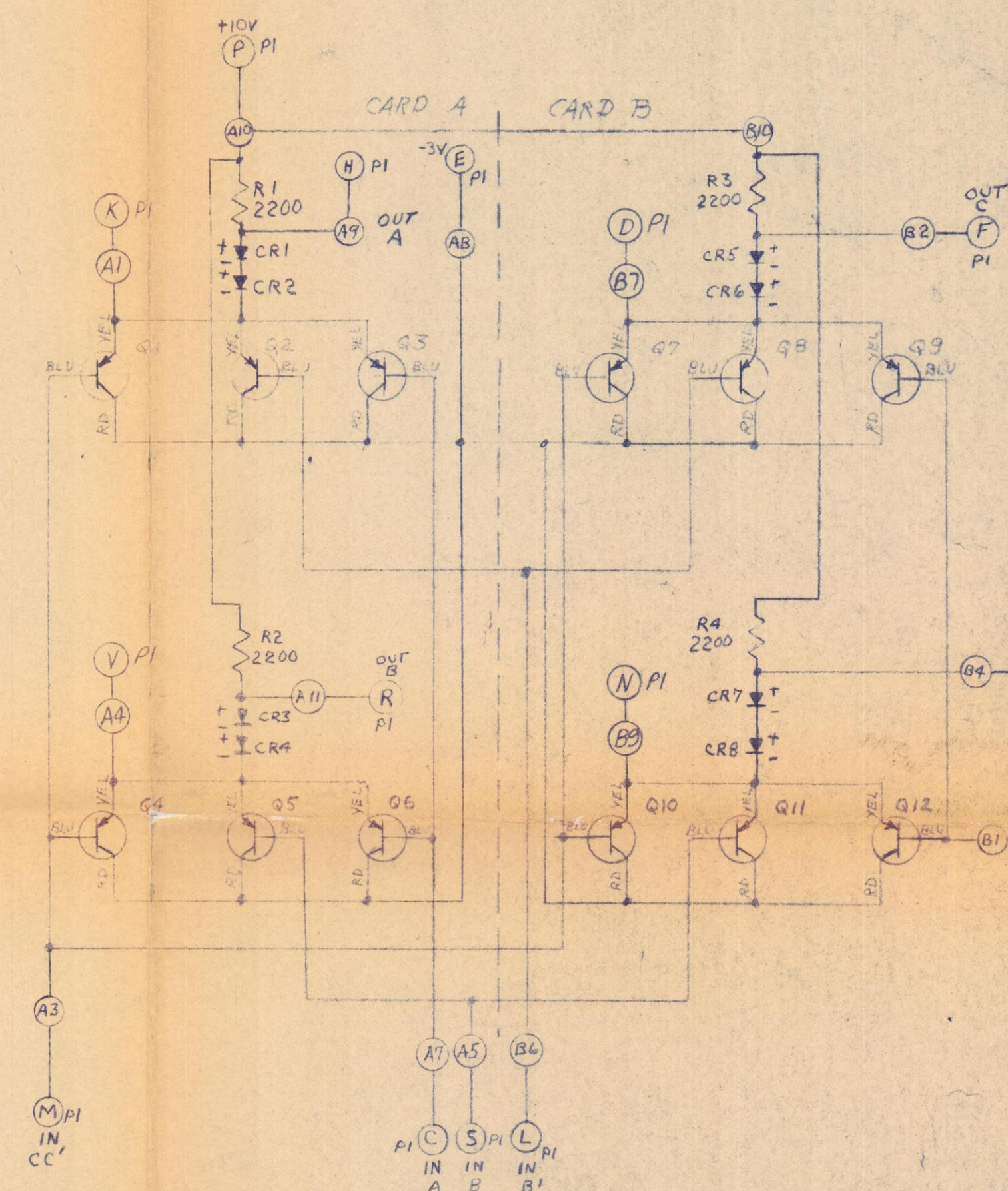


1. UNLESS OTHERWISE SPECIFIED:
A. TRANSISTORS ARE PHILCO *5122
B. ALL RESISTORS ARE IN OHMS &
ARE 1/2 WATT $\pm 5\%$
C. ALL CAPACITORS ARE IN μf d
& ARE GLENCO MINIATURE
CERAMIC $\pm 10\%$
D. CRYSTAL RECTIFIERS ARE 5022
2. ALL WIRE *22 STRANDED STANDARD
3. OMIT TRANSISTOR *65

1. DETAIL CARD: A-67223
2. 4:1 MASTER: B-
3. DETAIL, PLUG-IN UNIT C-66896
4. DETAIL, HANDLE: B-66898
5. PARTS LIST: PL-6719

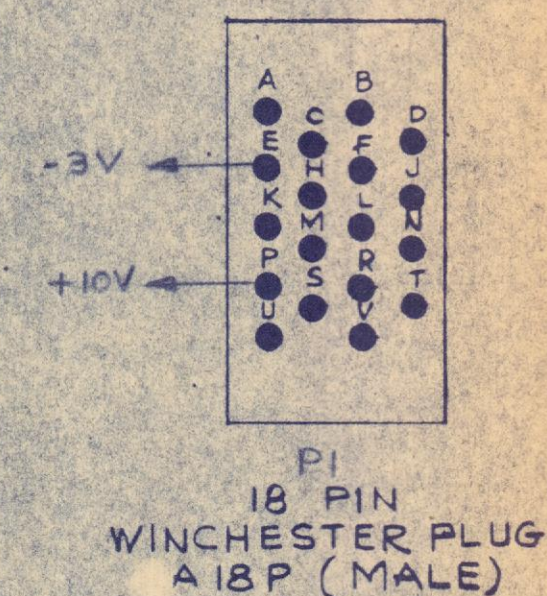


SCALE 1:1



NOTE:

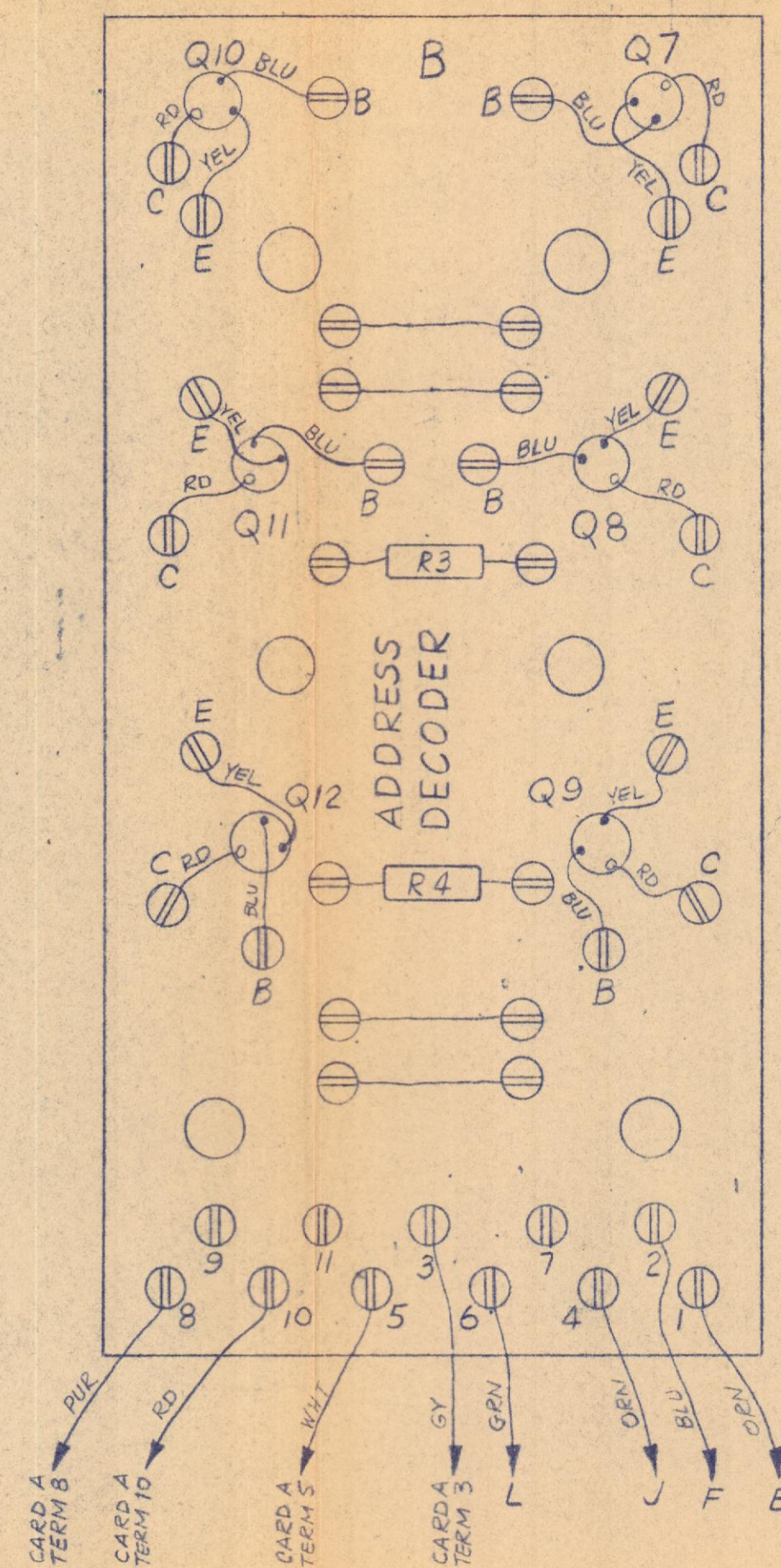
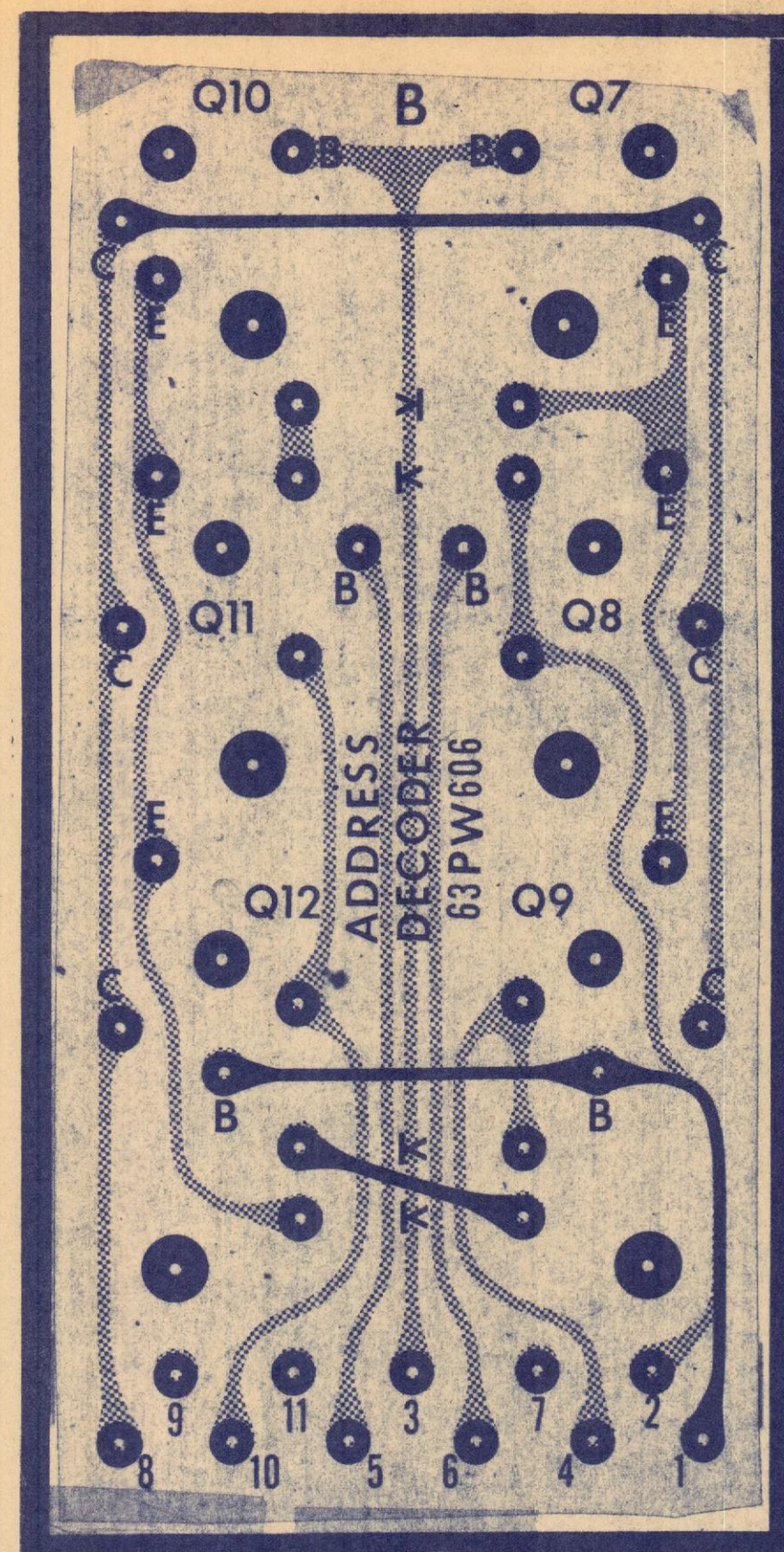
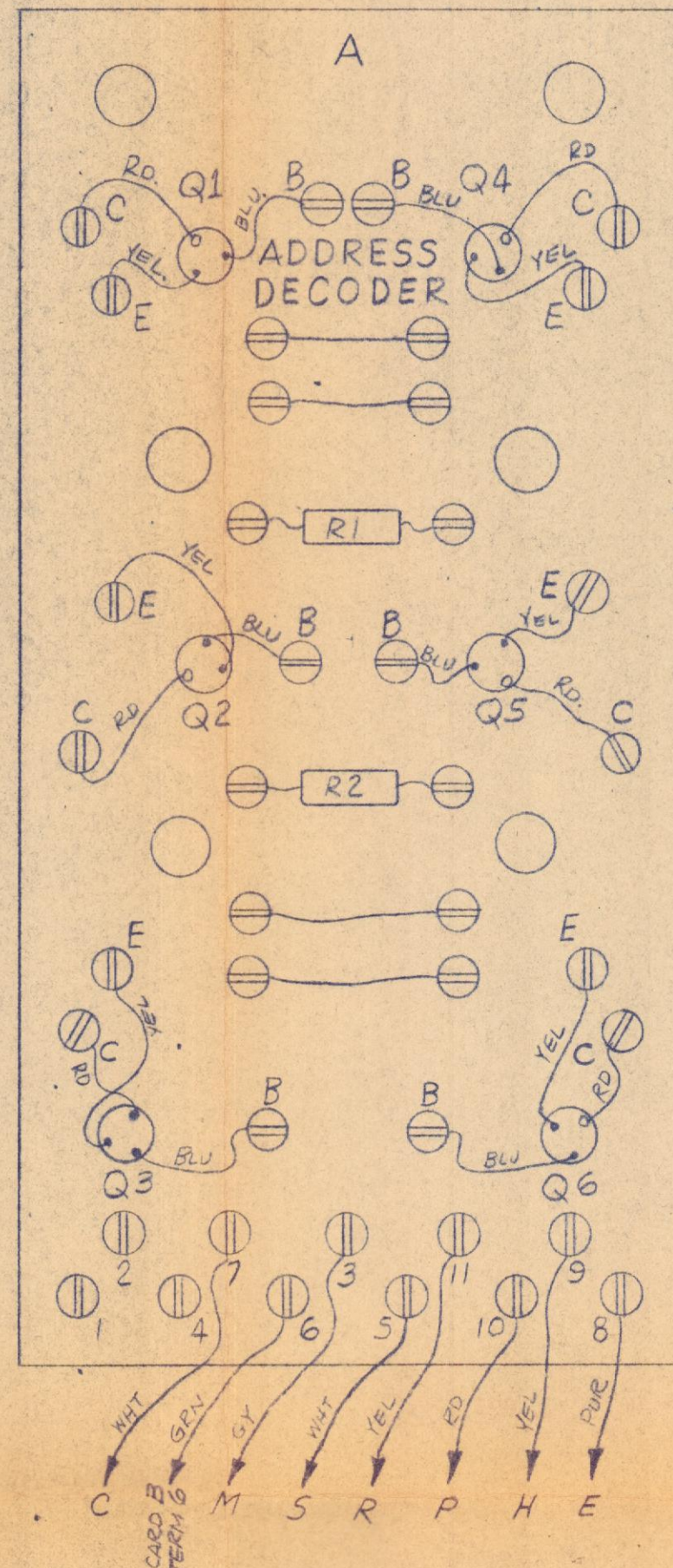
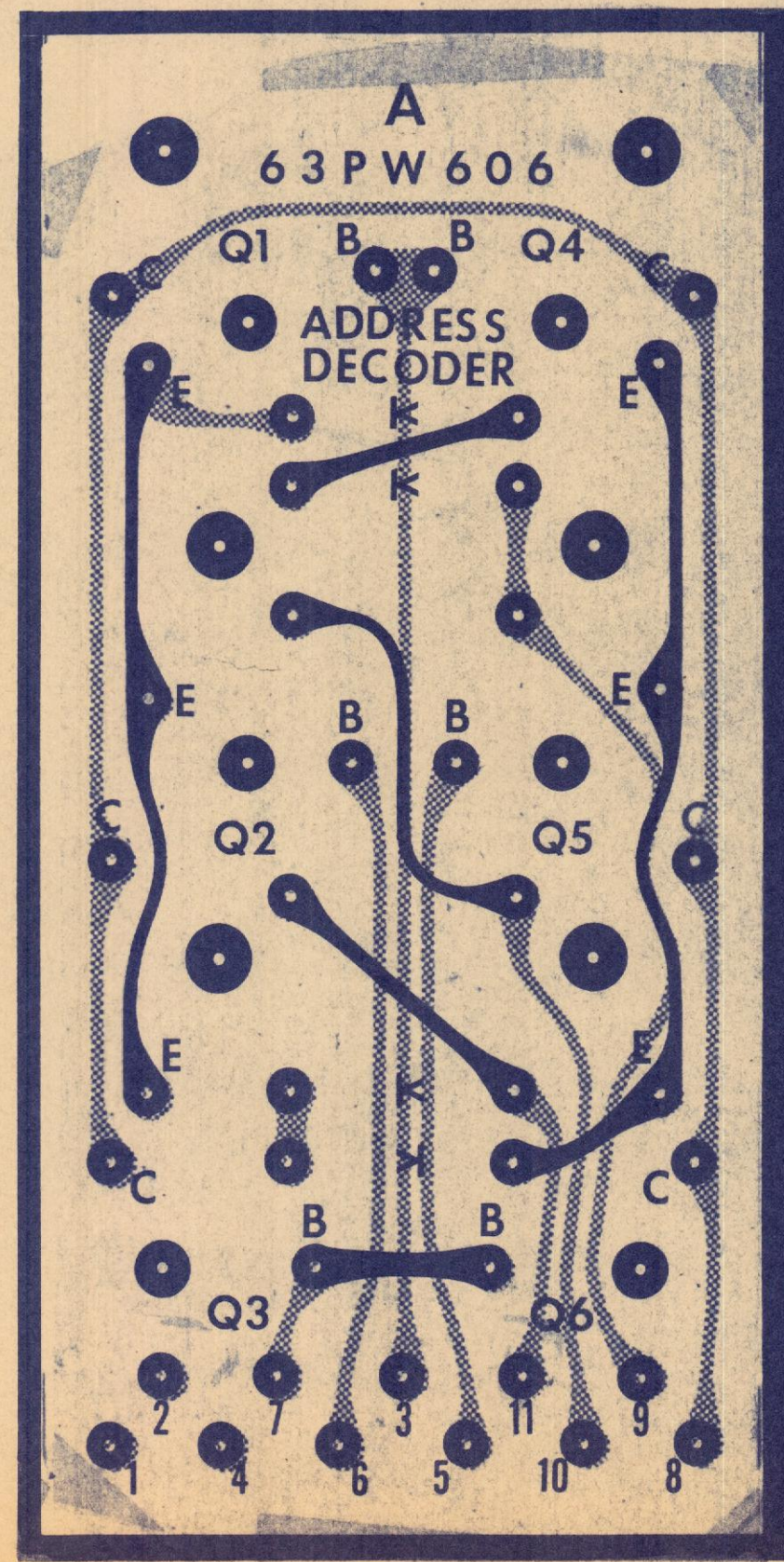
- (A) DENOTES LUG 1 ON CARD A
- (B) DENOTES PIN B ON PLUG PI



PRINT ISSUED
MAY 21 1957

GRADE I FOR REFERENCE ONLY					
GRADE II PRELIMINARY DESIGN					
GRADE III FINAL DESIGN					
GRADED BY: DATE:		ITEM	MATERIAL-DESCRIPTION	PART NO.	QTY
		LINCOLN LABORATORY DIV. 8			
		MASSACHUSETTS INSTITUTE OF TECHNOLOGY			
		LEXINGTON 73, MASS.			
		ASSEMBLY, COMPOSITE, SCHEMATIC,			
		PIU ADDRESS DECODER, TX-2			
		SCALE	DR		
		2:1	7-24-56		
		CHK	APPRO		
		9-26-56	9-26-56		
		24, 18 revision	18, 14 revision		
		D-67141			

COMPONENT

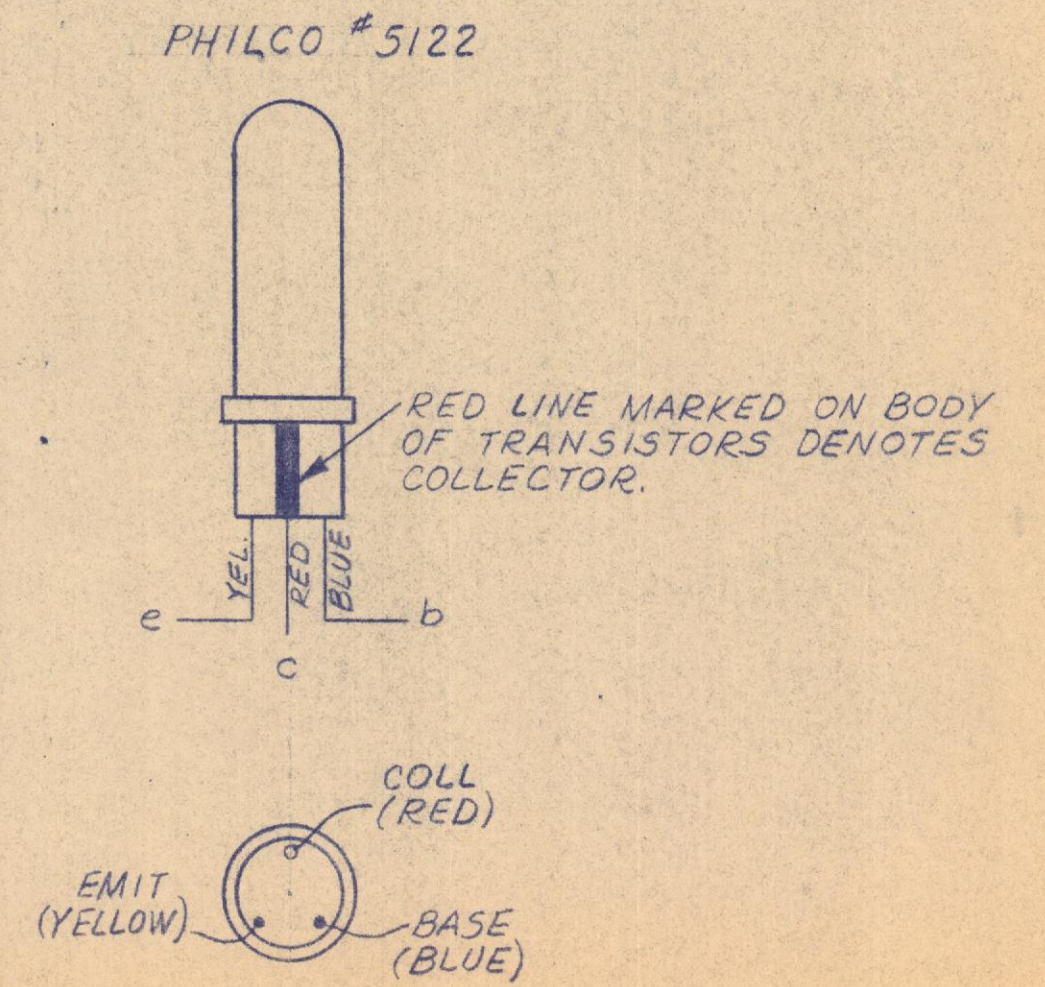
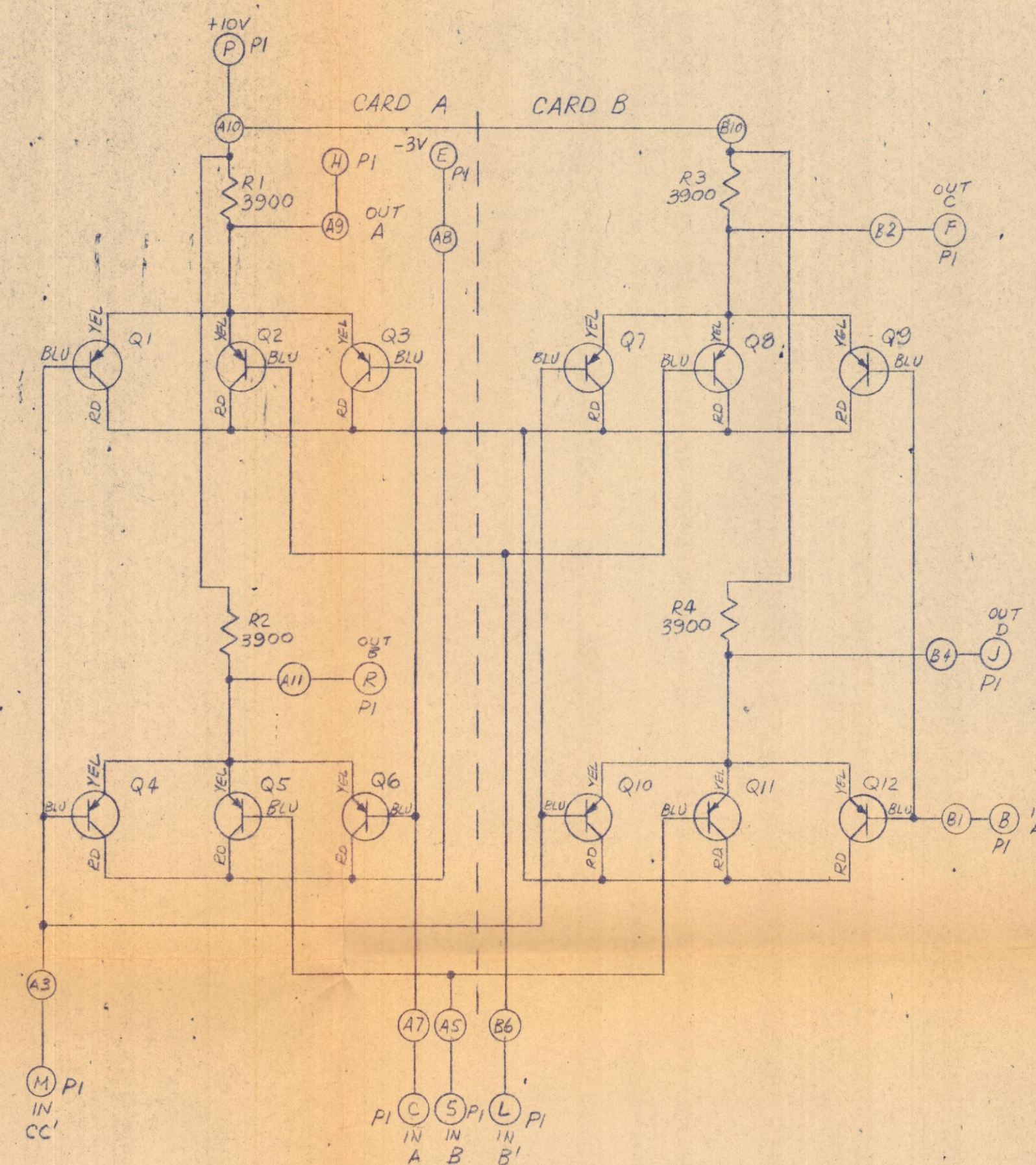


NOTES:

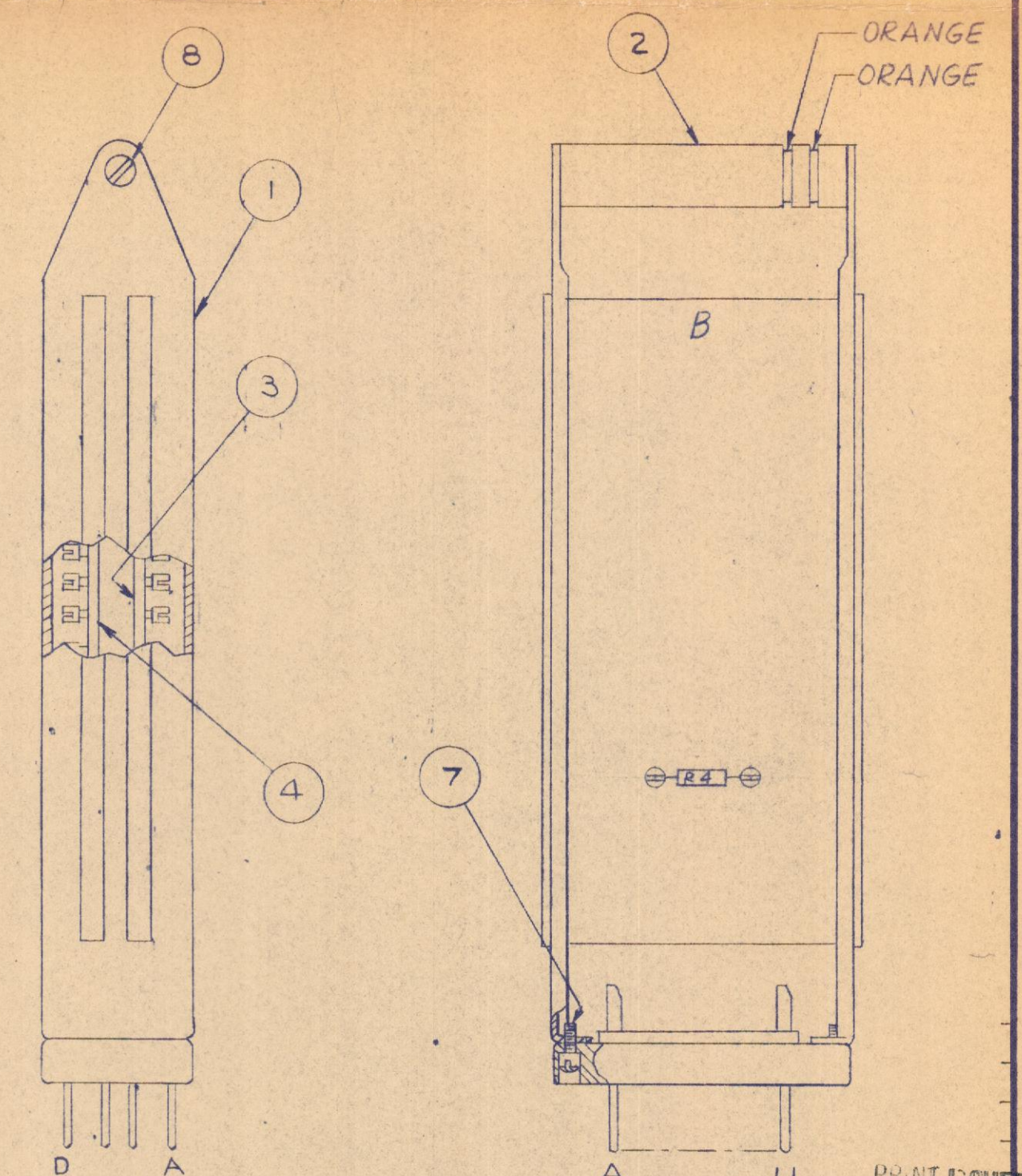
1. UNLESS OTHERWISE SPECIFIED :
 A. TRANSISTORS ARE PHILCO #5122.
 B. RESISTORS ARE IN OHMS & ARE 1/2WATT $\pm 5\%$.
 C. CAPACITORS ARE IN μF & ARE GLENCO
 MINIATURE CERAMIC $\pm 10\%$.
2. ALL WIRE IS #22 STRANDED.

DRAWING REFERENCE:

1. PARTS LIST : PL-69770.
2. DETAIL CARD : A-67223
3. DETAIL, PLUG-IN UNIT : C-66896
4. DETAIL, HANDLE : B-66898
5. 4:1 MASTER :



SCALE 4:1

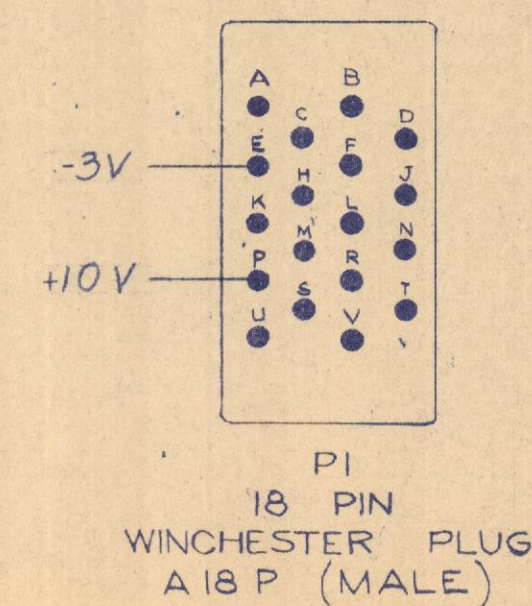


SCALE 1:1

PRINT ISSUED
FEB 27 1957

(A7) DENOTES, TERMINAL 7 CARD "A".

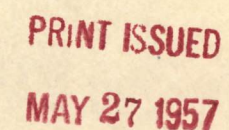
(H) DENOTES, PIN H ON PLUG P1.



GRADE I FOR REFERENCE ONLY											
GRADE II PRELIMINARY DESIGN											
GRADE III FINAL DESIGN											
K.H.O. PAID 2-28-57 GRADED BY: DATE:											
ITEM MATERIAL - DESCRIPTION PART NO. QTY.											
LINCOLN LABORATORY DIV. 6 MASSACHUSETTS INSTITUTE OF TECHNOLOGY LEXINGTON 73, MASS.											
ASSY, COMPOSITE & SCHEMATIC, P.I.U. ADDRESS DECODER, 5 MEMORY, TX-2											
SCALE: 2:1 DR. 2-7-57 M.B. HIRES											
ENG. K.H. Korte CK. 2-7-57 APPO. K.H. Korte D-69770											

TOLERANCES NOT OTHERWISE SPECIFIED
DECIMAL $\pm .005$ FRACTIONAL $\pm 1/64$ ANGULAR $\pm 1/2^\circ$

DIMENSIONS ENCLOSED THUS .000 FOR REFERENCE ONLY



1. UNLESS OTHERWISE SPECIFIED:
A. RESISTORS ARE IN OHMS, (1W, $\pm 5\%$).
B. CAPACITORS ARE IN MICROFARADS.

A.MAIN ASSEMBLY: E-68371
B.SUB-ASSEMBLY: D-69450
C.PARTS LIST: PL-69450

.....

 10/1/54
 GRADED BY: DATE: GRADE I FOR REFERENCE ONLY
 GRADE II PRELIMINARY DESIGN
 GRADE III FINAL DESIGN

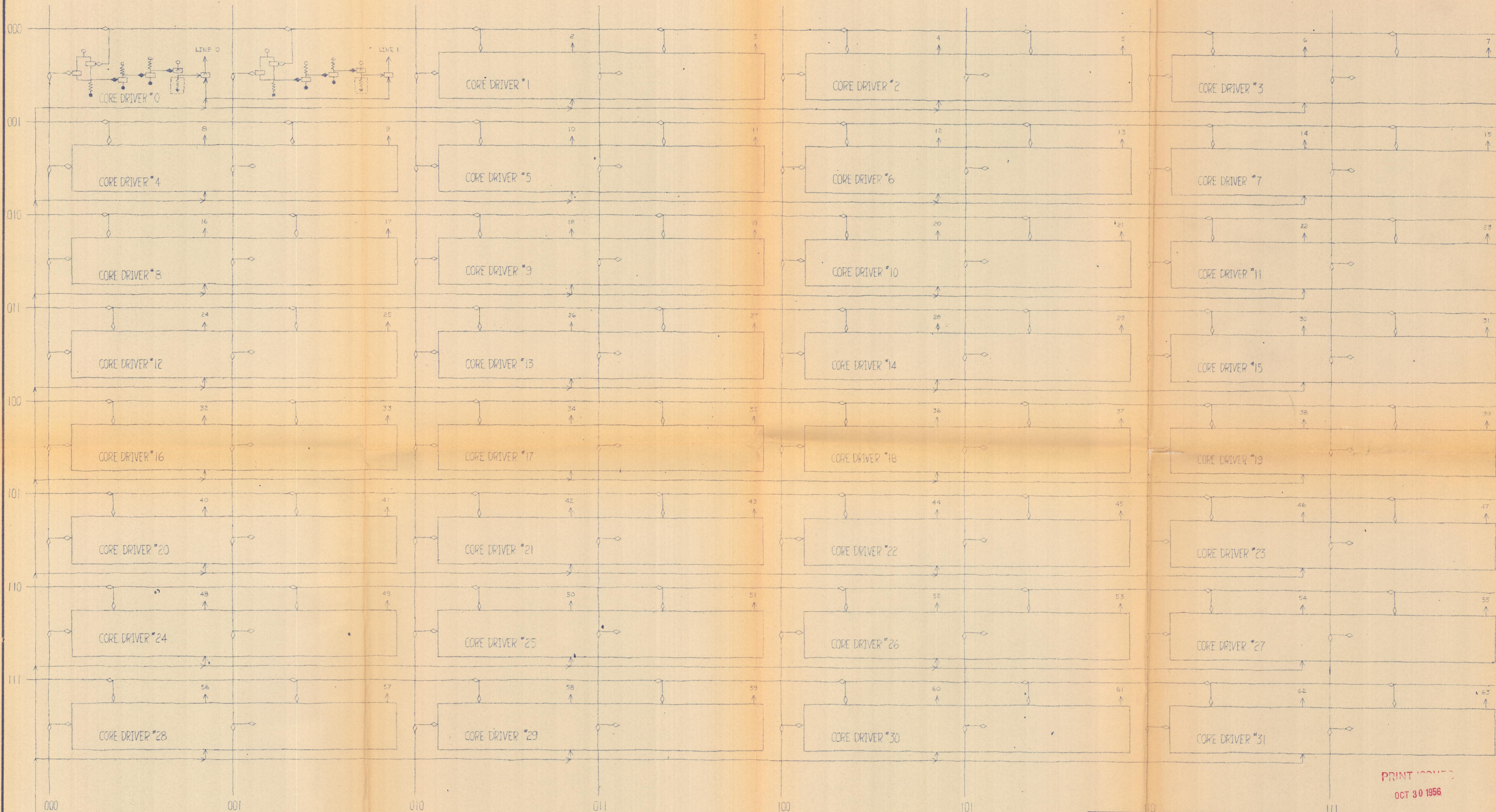
CHG.	CN#	DATE	APPD.
-20			
-19			
-18			
-17			
-16			
-15			
-14			
-13			
-12			
-11			
-10			
-9			
-8			
-7			
-6			
-5			
-4			
-3			
-2			
-1			

ITEM	MATERIAL - DESCRIPTION	PART NO.	QTY.
LINCOLN LABORATORY DIV. 6 MASSACHUSETTS INSTITUTE OF TECHNOLOGY LEXINGTON 73, MASS.			
CIRCUIT SCHEMATIC, REGULATOR, 3V. 30 AMP. D.C. POWER SUPPLY, TX-2			
SCALE: _____	DR. RB 5-1-57		B-69449
ENG. 5-21-57 S. Coffin	CK. 5-17-57 A. GRIFFIN	APPD. 5-21-57 S. Coffin	

B-69449

SD-67696

TOLERANCES NOT OTHERWISE SPECIFIED
DECIMAL $\pm .005$ FRACTIONAL $\pm 1/64$ ANGULAR $\pm 1/2^\circ$
DIMENSIONS ENCLOSED THUS $\pm .000$ FOR REFERENCE ONLY



READ/WRITE
GENERATOR

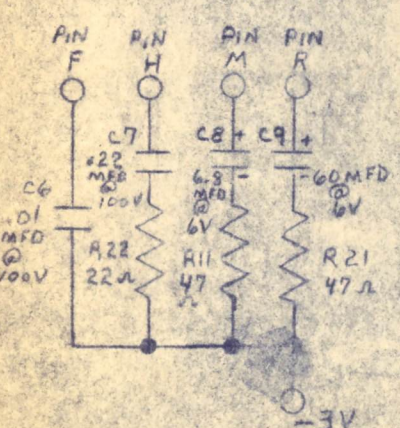
NOTE:

1. RESISTOR INDICATED IN DASHED BOX IS LOCATED ON A SEPARATE RESISTOR MOUNTING PANEL.
2. HORIZONTAL INPUTS COME FROM X#Y 1ST LEVEL DECODERS
VERTICAL INPUTS COME FROM X#Y 1ST LEVEL DECODERS.

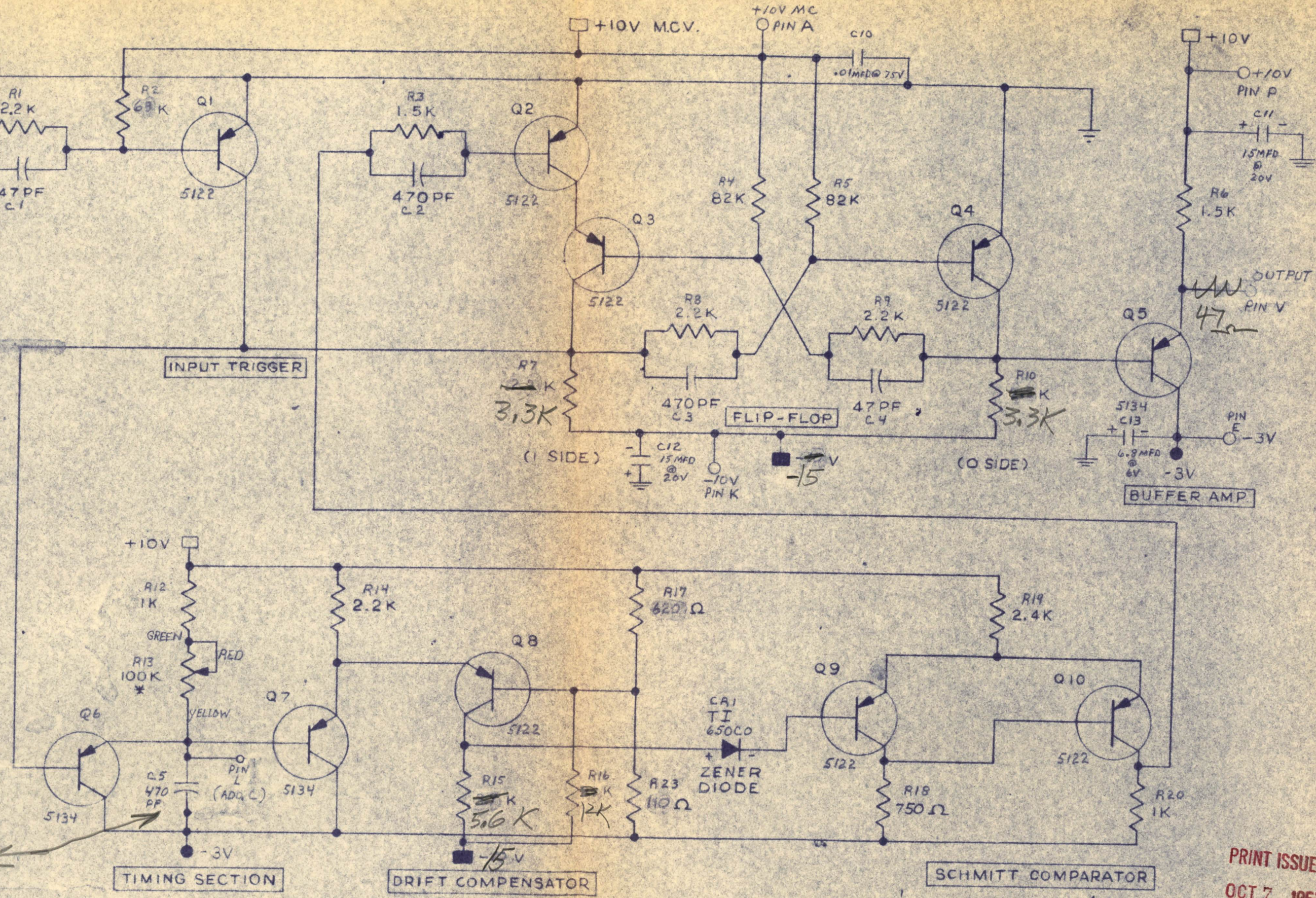
PRINT ISSUE 2
OCT 30 1956

GRADE I FOR REFERENCE ONLY		GRADE II PRELIMINARY DESIGN		GRADE III FINAL DESIGN	
GRADED BY:		DATE:			
ITEM		MATERIAL-DESCRIPTION		PART NO. QTY.	
LINCOLN LABORATORY DIV. 6 MASSACHUSETTS INSTITUTE OF TECHNOLOGY LEXINGTON 73, MASS.					
T (MAR) MEMORY, X#Y 2ND LEVEL DECODERS, TX2, BLK. SCH.					
SCALE:		DR.		APPD.	
ENG. CA NORMAN 10-26-56		CK.		APPD. CA NORMAN 10-26-56	
SD-67696					

NOTE:
* BOURNS TRIM POT
1. RESISTORS 1/2 W ± 5%
2. UNLESS SPEC. CAPACITORS ARE DOG BONE.
C6, C7 ARE GOOD-ALLTYPE.
C8, C9 ARE SPRAGUE TANTALEX
3. CR1 IS TEXAS INSTRUMENT ZENER DIODE
(ADD. C)
FOR ADDED Q. CONNECT PIN L TO EITHER PIN F, M, R



4. C10 IS A GLENCO CAPACITOR
C11, C12, C13 ARE SPRAGUE TANTALEX



PRINT ISSUED
OCT 7 1957

SCHEMATIC CIRCUIT, VARIABLE DELAY UNIT TX-2