Digital Equipment Corporation
Maynard, Massachusetts

digital

PDP-12
Maintenance Manual

Volume IV

MODULE SCHEMATICS

DEC-12-HR4B-D

PDP-12
MAINTENANCE MANUAL
VOLUME IV
MODULE SCHEMATICS

DIGITAL EQUIPMENT CORPORATION • MAYNARD, MASSACHUSETTS

1st Edition, June 1970
2nd Printing (Rev), December, 1970

FOREWORD

The *PDP-12 Maintenance Manual,* published in four separate volumes, is a guide for Field Service Engineers or other personnel involved with the care and maintenance of the PDP-12 Computer. The Maintenance Manual is organized as follows:

VOLUME I PRINCIPLES OF OPERATION

This volume contains a description of PDP-12 logic. An overall view of the system is presented in seven chapters entitled Central Processor, Memory, Input/Output, Teletype, LINC Devices, Tape Processor, and Prewired I/O Bus Options. The text describes logical relationships among the various elements of the PDP-12.

VOLUME II INSTALLATION AND MAINTENANCE

The first chapters of this volume describe the unpacking, installation, and preliminary check-out procedures for the PDP-12. The remainder of the volume comprises procedures used in the day-to-day maintenance, adjustment, and repair of the computer.

VOLUME III LOGIC SCHEMATICS

Volume III consists primarily of flow charts and block schematics that describe the PDP-12. The block schematics, lists, and flow charts in Volume III are reduced (11 in. x 17 in.) versions of engineering drawings.

VOLUME IV MODULE SCHEMATICS

The circuit schematics in Volume IV describe all the module types used in the PDP-12, including both the regular production DEC modules and those designed especially for the PDP-12.

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CONTENTS (Cont)

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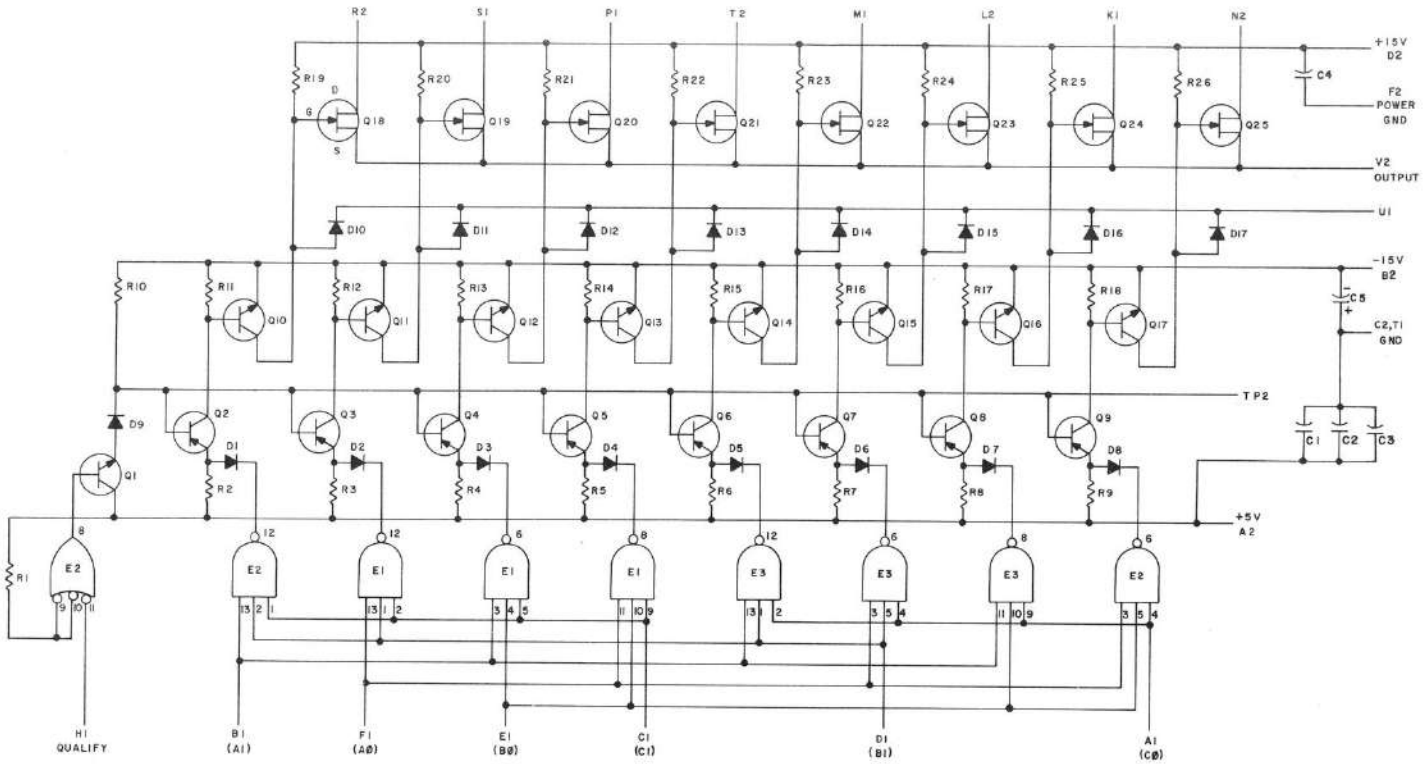

NOTE:
PIN 7 ON EACH IC = GND
PIN 14 ON EACH IC = +5 V

REFERENCE DESIGNATION	DESCRIPTION	PART NO
	PARTS LIST	A-PL-A131-0-0
E1,E2,E3	INTEGRATED CKT DEC7410N	1905576
Q18-Q25	TRANSISTOR 2N5245 OR TIS 88	1509681
Q2-Q9	TRANSISTOR DEC6534 B	1503409-01
Q1, Q10 - Q17	TRANSISTOR DEC3009B-S	1503100
R19-R26	RES. 10K 1/4W 5% CC	1300479
R11-R18	RES. 33K 1/4W 5% CC	1300439
R2-R10	RES. 1.5K 1/4W 5% CC	1300391
R1	RES. 33K 1/4W 10%	1300510
D1-D17	DIODE D664	1100114
C1-C4	CAP .01 MFD 100V 20% DISC	1001610
C5	CAP 6.8 MFD 35V 20% STANT	1000067

TRANSISTOR & DIODE CONVERSION CHART			
DEC	EIA	DEC	EIA
D664	1N3606		
DEC3009B	2N3009		
DEC6534B	MPS6534		
2N5245	NONE		

REVISIONS			
CHK	CHG NO.	REV	
	000001	B	
	000002	C	

DRN: Kilpatrick DATE 2-10-69
CHK'D: [illegible] DATE 3-10-69
ENG: R. Stevenson DATE 4/8/69
PROD. DATE

TITLE: MULTIPLEX A131

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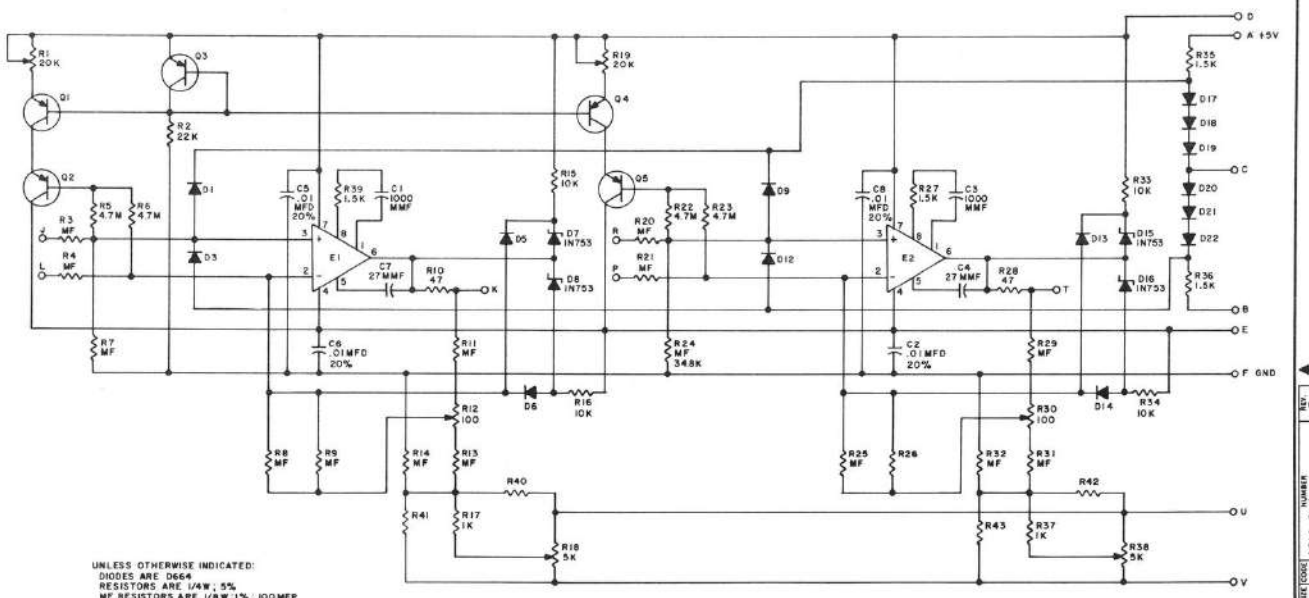
SIZE	CODE	NUMBER	REV
C	CS	A131-0-1	C
PRINTED CIRCUIT REV.		B	

SIZE | CODE | NUMBER | REV
C | CS | A131-0-1 | C

DEC FORM NO. DRC 102



UNLESS OTHERWISE INDICATED:
DIODES ARE D664
RESISTORS ARE 1/4W ; 5%
MF RESISTORS ARE 1/8W,1% ; 100MFP
TRANSISTORS ARE 2N4250
R1, R19 ARE ALLEN BRADLEY 2V-2032
POTS ARE 76PR SERIES
E1, E2 ARE MC1709
CAPACITORS ARE 100V, 5%

0 → +5	A214-YF	1.2K	68.1K	68.1K	21.5K	21.5K	1M (CC)	2.74K	422	51.1	NONE
0 → +10	A214-YE	1.2K	68.1K	68.1K	12.1K	12.1K	274K	2.61K	422	75	NONE
0 → −2	A214-YD	NONE	34.8K	34.8K	34.8K	34.8K	4.7M	1.96K	348	90.9	1.2K
±10	A214-YC	NONE	64K	64K	5.48K	5.48K	39K	2.61K	261	38.3	NONE
±5	A214-YB	NONE	68.1K	68.1K	12.1K	12.1K	365K	2.61K	422	90.9	NONE
0 → +2	A214-YA	1.2K	34.8K	34.8K	34.8K	34.8K	4.7M	1.96K	348	90.9	NONE
±1	A214	NONE	34.8K	34.8K	34.8K	34.8K	4.7M	1.96K	422	38.3	NONE
INPUT VOLTAGE RANGE	VARIATION	R41 R43	R3 R20	R4 R21	R7 R24	R8 R25	R9 R26	R11 R29	R13 R31	R14 R32	R40 R42

TRANSISTOR & DIODE CONVERSION CHART			
DEC	EIA	DEC	EIA
D664	IN3606		
IN753	SAME		
2N4250	NONE		

REVISIONS			
CHG NO	REV		
03001	A		
03008	B		

DRN. M. Mallon DATE 5-12-69
CHK'D. J. Mayo DATE 5-12-69
ENG. K. S. [illegible] DATE 7/2/69
PROD. DATE

digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS

TITLE 2 ANALOG AMPLIFIERS A214

SIZE C | CODE CS | NUMBER A214-0-1 | REV. B

PRINTED CIRCUIT REV. B

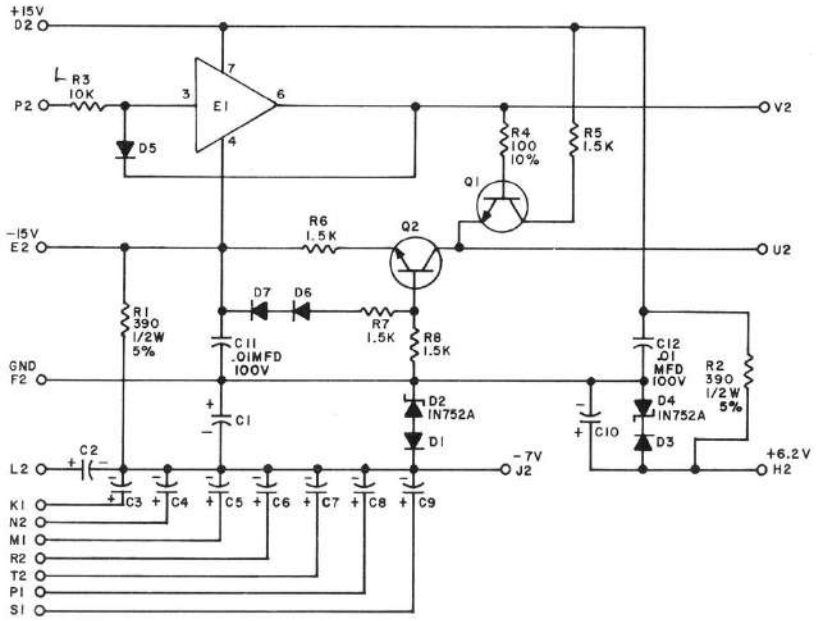
SIZE CODE C CS | NUMBER A214-0-1 | REV. B

DEC FORM NO. DRC 102

DIST: 324,434,485 3

PINK

SIZE	CODE	NUMBER	REV
B	CS	A215-0-1	A



UNLESS OTHERISE INDICATED:
CAPACITORS ARE 1MFD; 35V; 10%
DIODES ARE D664
RESISTORS ARE 1/4W; 5%
TRANSISTORS ARE DEC2219
E1 IS LM302

REVISIONS			
CHK	CHG NO	REV.	
JT	00001	A	

DRN. M. Waller	DATE	3-7-69
CHK'D	DATE	4-9-69
ENG.	DATE	4/15/69
PROD.	DATE	

TRANSISTOR & DIODE CONVERSION CHART

DEC	EIA	DEC	EIA
D664	IN3606		
DEC2219	2N2219		

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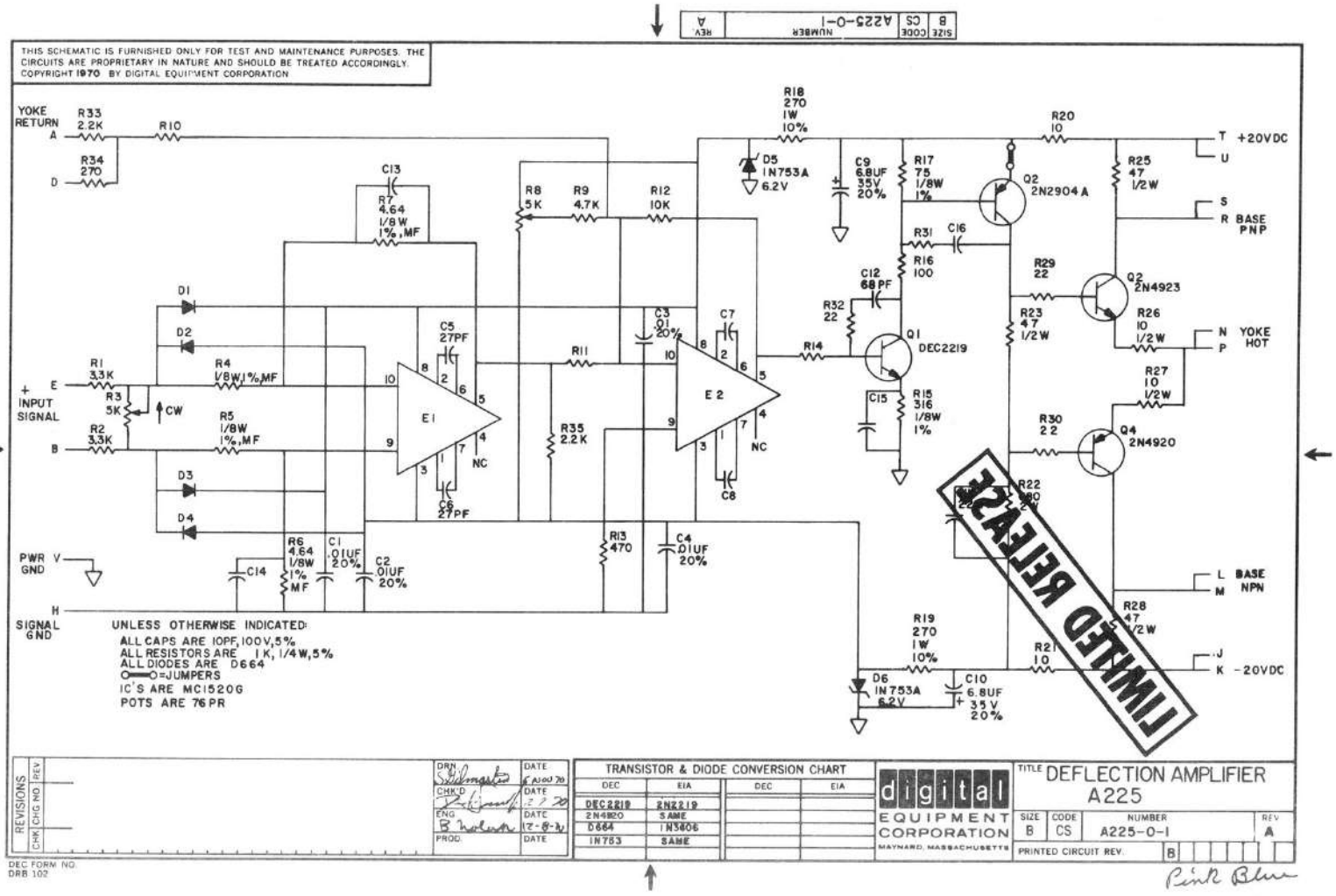
TITLE: ANALOG BUFFER A215

SIZE	CODE	NUMBER	REV.
B	CS	A215-0-1	A

PRINTED CIRCUIT REV. A

DEC FORM NO.
DRB 102

DIST 324, 434, 435 3 PINK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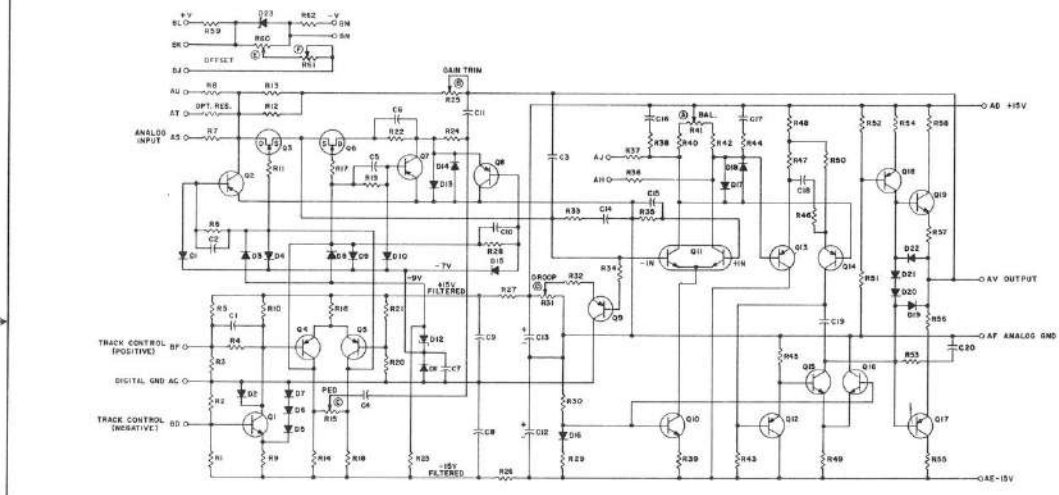
COPYRIGHT 1970 BY DIGITAL EQUIPMENT CORPORATION
SIZE B CODE CS NUMBER A225-0-1 REV A
YOKE RETURN A
D
R33 2.2K
R34 270
R10
C13
R7 4.64 1/8W 1%,MF
R8 5K
R9 4.7K
R12 10K
R18 270 1W 10%
D5 1N753A 6.2V
C9 6.8UF 35V 20%
R17 75 1/8W 1%
Q2 2N2904A
R20 10
R25 47 1/2W
T +20VDC
U
S
R BASE PNP
R31
C16
R16 100
C12 68PF
R32 22
Q1 DEC2219
R14
C3 .01 20%
C7
R11
E1
E2
C5 27PF
C6 27PF
C8
R35 2.2K
R29 22
Q2 2N4923
R23 47 1/2W
R26 10 1/2W
N YOKE HOT
P
R27 10 1/2W
R30 22
Q4 2N4920
R22 100
C15
R15 316 1/8W 1%
D1
D2
D3
D4
R1 3.3K
R3 5K
CW
R2 3.3K
R4 1/8W 1%,MF
R5 1/8W 1%,MF
+ INPUT SIGNAL
E
B
H
SIGNAL GND
PWR GND
C14
R6 4.64 1/8W 1% MF
C1 .01UF 20%
C2 .01UF 20%
R13 470
C4 .01UF 20%
L BASE NPN
M
R28 47 1/2W
R19 270 1W 10%
D6 1N753A 6.2V
C10 6.8UF 35V 20%
R21 10
J
K -20VDC
LIMITED RELEASE
UNLESS OTHERWISE INDICATED:
ALL CAPS ARE 10PF, 100V, 5%
ALL RESISTORS ARE 1K, 1/4W, 5%
ALL DIODES ARE D664
O=O=JUMPERS
IC'S ARE MC1520G
POTS ARE 76PR
REVISIONS
DRN
CHK'D
ENG
PROD.
DATE
TRANSISTOR & DIODE CONVERSION CHART
DEC EIA DEC EIA
DEC2219 2N2219
2N4920 SAME
D664 1N3606
1N753 SAME
digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS
TITLE DEFLECTION AMPLIFIER A225
SIZE B CODE CS NUMBER A225-0-1 REV A
PRINTED CIRCUIT REV. B
DEC FORM NO. DRB 102



R59,R62	RES. 619 1/8W 1% 100MFP	1305126
R61	RES. 1K TRIMPOT	1505450
D25	DIODE IN3156	1100157
Q12,Q13,Q14	TRANSISTOR 2N4250	1501142
Q11	TRANSISTOR SDA-5-5	1501857
Q30,Q15,Q16,Q19	TRANSISTOR DEC2219-5	1501881
Q9,Q17,Q18	TRANSISTOR DEC65340	1503406
Q3,Q6	TRANSISTOR 2N5163 FET	1509235
Q2,Q4,Q5,Q7,Q8	TRANSISTOR DEC6534C	1503409-05
Q1	TRANSISTOR DEC3009B	1503100
R55,R58	RES. 68 1/2W 10% CC	1300220
R51	RES. 12K 1/4W 5% CC	1300488
R48	RES. 5.62 1/8W 1% 100MFP	1305128
R47,R50	RES. 562 1/8W 1% 100MFP	1304693
R46	RES. 470 1/4W 5% CC	1300516
R43	RES. 10.1K 1/8W 1% 100MFP	1303313
R41	RES. 50K BOURNS TRIMPOT	1505415
R40,R42	RES. 68.1K 1/8W 1% 100MFP	1305252
R39	RES. 34.8K 1/8W 1% 100MFP	1305186
R38,R44	RES. 2K 1/4W 5% CC	1302388
R34	RES. 820K 1/4W 10% CC	1303187
R33,R52	RES. 2.4K 1/4W 5% CC	1303177
R32	RES. 100K 1/4W 5% CC	1302466
R29	RES. 1.62K 1/8W 1% 100MFP	1304863
R26,R27,R56,R57	RES. 18 1/4W 5% CC	1302104
R25	RES. 200 TRIMPOT	1505634
R24,R53	RES. 36 1/4W 5% CC	1302807
R23,R49	RES. 560 1/4W 5% CC	1591890
R21,R30	RES. 10K 1/8W 1% 100MFP	1303312
R20	RES. 1K 1/8W 1% 100MFP	1303114
R16	RES. 1.2K 1/2W 5% CC	1300385
R15,R31,R60	RES. 20K TRIMPOT	1505395
R14,R18	RES. 2.2K 1/4W 5% CC	1300417
R12	RES. 1.024M 1/8W 1% 25MF	1305519
R8	RES. 5.11K 1/8W 1% 25MF	1305432
R7,R13	RES. 10K 1/8W 1% 25MF	1305431
R6,R11,R17	RES. 10K 1/4W 5% CC	1300479
R4,R54	RES. 1K 1/4W 5% CC	1300365
R2,R3,R9,R22,R35,R36,R37,R45	RES. 5.6K 1/4W 5% CC	1301674
R1,R5,R10,R19,R28	RES. 20K 1/4W 5% CC	1302339
D16,D20,D21	DIODE D662	1100113
D18	DIODE IN756A 8.2V	1103441
D1-D11,D13-D15,D17-D19,D22	DIODE D644	1100114
C18	CAP. 10MMF 100V 5% D.M.	1000006
C16,C17	CAP. 100MMF 100V 5% D.M.	1000018
C12,C13	CAP. 6.8MFD 35V 20% S.TANT	1000067
C11	CAP. 5000MMF 100V 5%	1005619
C7,C8,C9,C15	CAP. .01MFD 200V 20% DISC	1001610
C4,C6,C19	CAP. 18MMF 100V 5% D.M.	1002008
C3,C20	CAP. 27MMF 100V 5% D.M.	1001739
C1,C2,C5,C10,C14	CAP. 47MMF 100V 5% D.M.	1000011
REFERENCE DESIGNATION	PARTS LIST DESCRIPTION	A-PL-A404-0-0 PART NO.

PARTS LIST

TRANSISTOR & DIODE CONVERSION CHART					
DEC	GE		DEC	GE
DEC2220B	2N2220		TO-5	SAME
DEC6534B/C	HT6534		IN4152	1N82
IN1116	1A87		TIXM	1N645
IN3601	1N82		TIXM	1N1605
DEC6814	IN3613		HTM4	SAME

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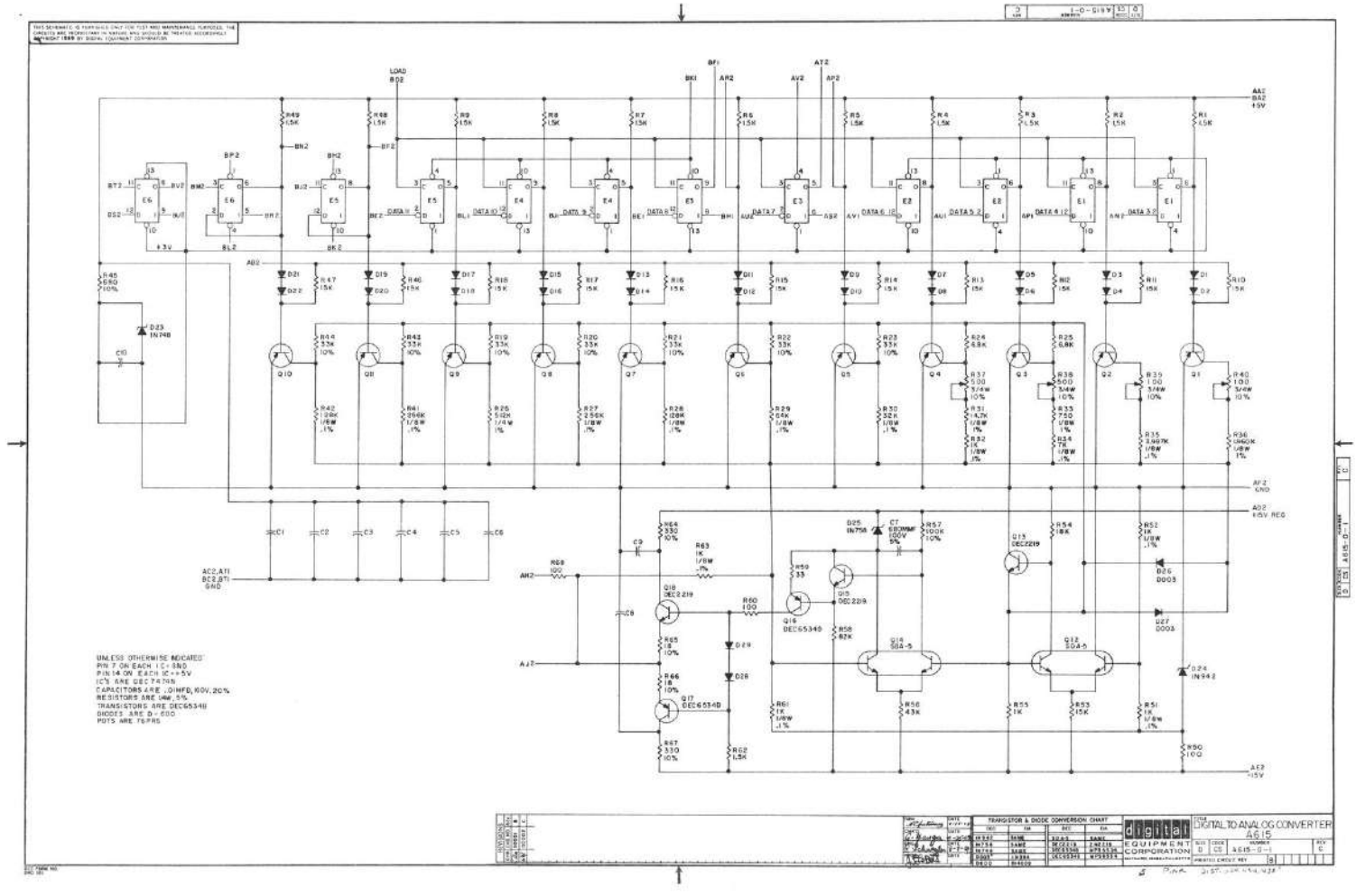
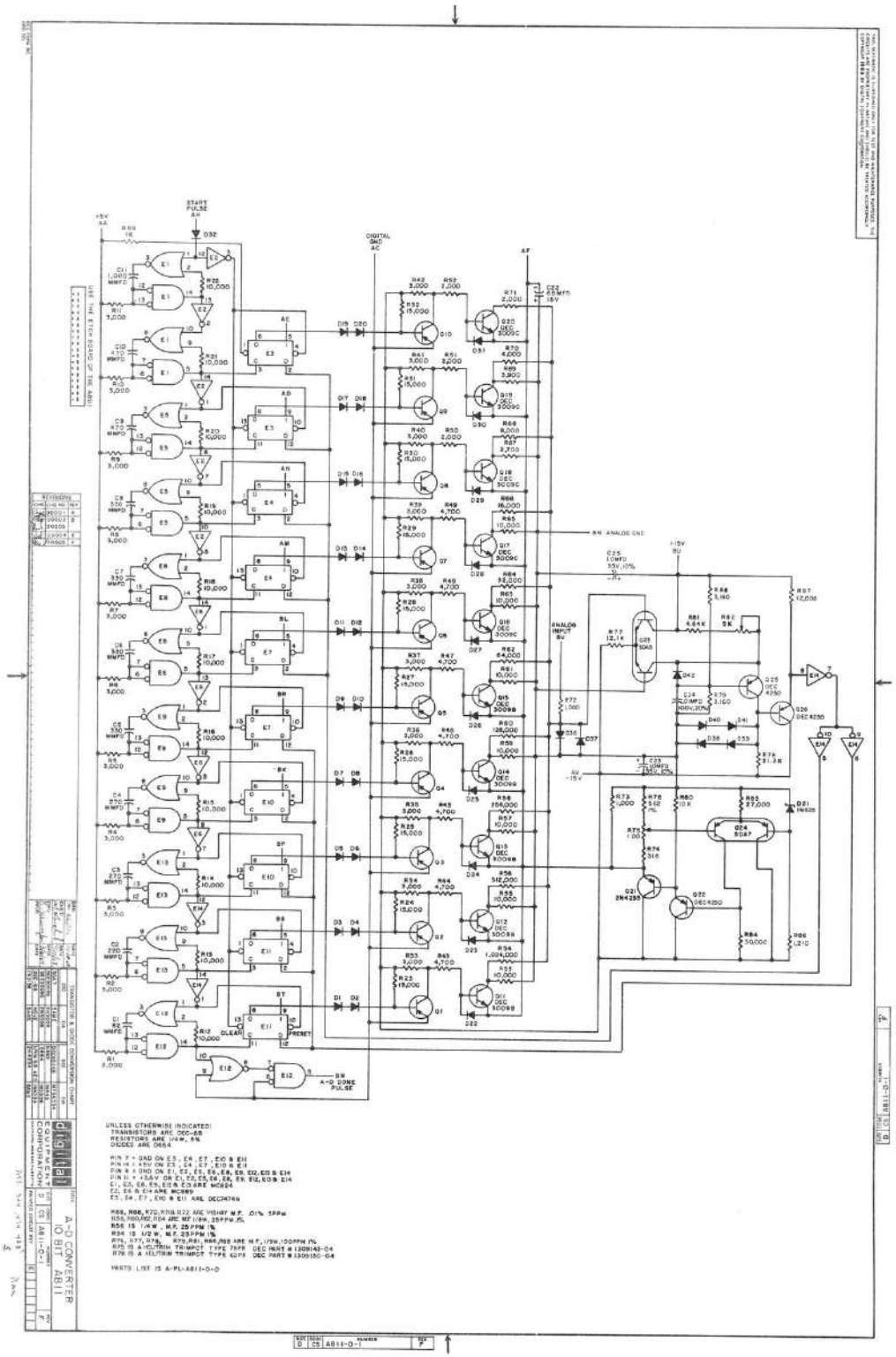
TITLE: SAMPLE AND HOLD A404

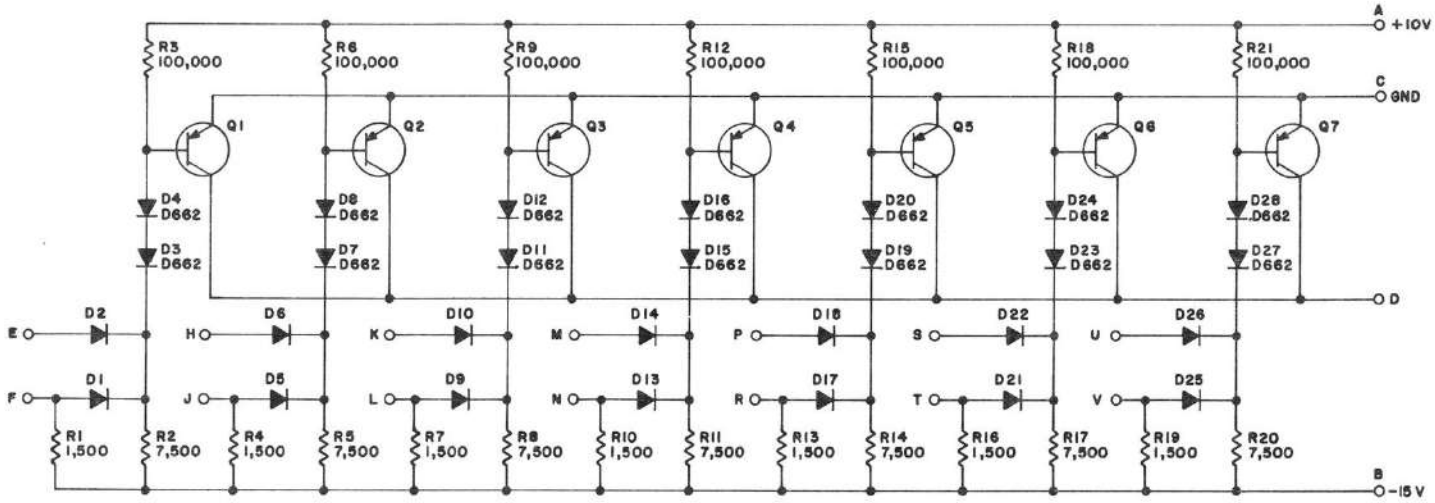
SIZE: D | CODE: 25 | NUMBER: A404-0-1 | REV: A

DIST


LOAD
BO2
+5V
+3V
+15V REG
GND
-15V
AC2,AT1
BC2,BT1
GND
UNLESS OTHERWISE INDICATED
PIN 7 ON EACH IC = GND
PIN 14 ON EACH IC = +5V
IC'S ARE DEC TYPES
CAPACITORS ARE ± .01MFD, 100V, 20%
RESISTORS ARE 1/4W, 5%
TRANSISTORS ARE DEC6534B
DIODES ARE D-600
POTS ARE TO-PRS
TRANSISTOR & DIODE CONVERSION CHART
digital
EQUIPMENT CORPORATION
DIGITAL TO ANALOG CONVERTER
A615


START PULSE AH
+5V 5A
DIGITAL GND AC
AF
ANALOG INPUT 8V
+15V 8V
AV -15V
8N ANALOG GND
8N A-D DONE PULSE
CLEAR
PRESET
UNLESS OTHERWISE INDICATED:
TRANSISTORS ARE DEC-68
RESISTORS ARE 1/4W, 5%
DIODES ARE D656
PIN 7 = GND ON E3, E4, E7, E10 & E11
PIN 14 = +5V ON E3, E4, E7, E10 & E11
PIN 8 = GND ON E1, E2, E5, E6, E8, E9, E12, E13 & E14
PIN 11 = +15V ON E1, E2, E5, E6, E8, E9, E12, E13 & E14
E1, E5, E8, E9, E13 & E3 ARE MC624
E2, E6 & E14 ARE MC889
E3, E4, E7, E10 & E11 ARE DEC24764
R66, R68, R70, R73 & R77 ARE VISHAY M.F. .01% 5PPM
R55, R60, R62, R64 ARE MF 1/8W, 25PPM 1%
R56 IS 1/4W, M.F. 25 PPM 1%
R54 IS 1/2 W, M.F. 25 PPM 1%
R74, R77, R78, R70, R81, R66, R68 ARE M.F., 1/8W, 100PPM 1%
R72 IS A HELITRIM TRIMPOT TYPE 78PR DEC PART # 1309143-04
R76 IS A HELITRIM TRIMPOT TYPE 62PR DEC PART # 1309150-04
PARTS LIST IS A-PL-A811-0-0
A-D CONVERTER 10 BIT A811
digital
DIGITAL EQUIPMENT CORPORATION
SIZE D
DWG NO A811-0-1
REV F
SOFTWARE D 05 A811-0-1 NUMBER REV F

SIZE	CODE	NUMBER	REV
B	CS	B142-0-1	



UNLESS OTHERWISE INDICATED:
RESISTORS ARE 1/4W; 5%
DIODES ARE D664
TRANSISTORS ARE DEC3639-18

REVISIONS	CHK	CHG NO	REV

DRN. M. Haller	DATE	2-10-67
CHK'D	DATE	2/14/67
ENG	DATE	2/21/67
PROD.	DATE	

TRANSISTOR & DIODE CONVERSION CHART

DEC	EIA	DEC	EIA
DEC3639-18	2N3639		
D662	IN645		
D664	IN3606		

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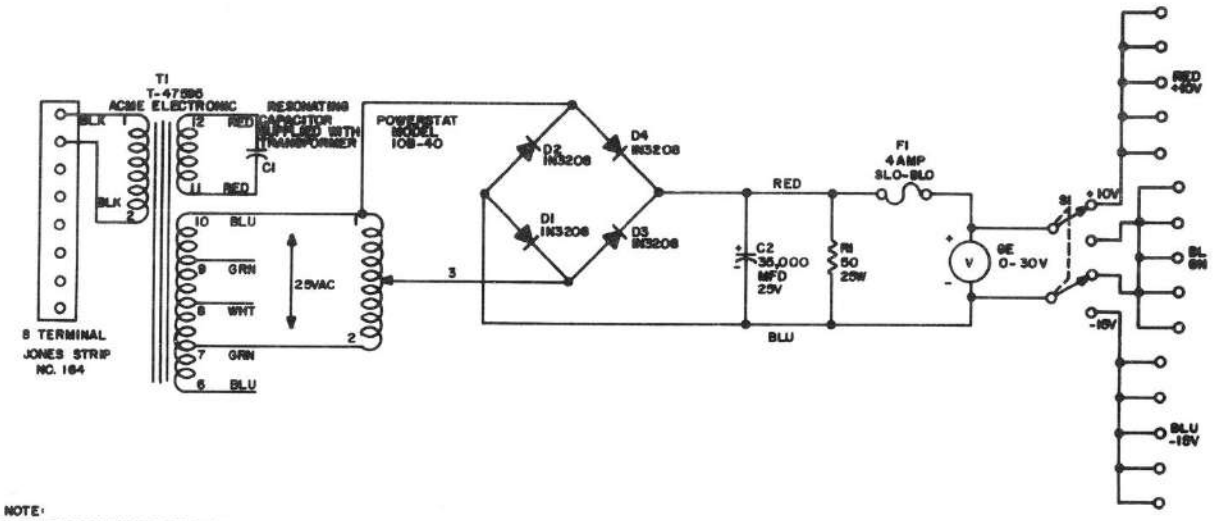
TITLE: DIODE GATE B142

SIZE	CODE	NUMBER	REV
B	CS	B142-0-1	

PRINTED CIRCUIT REV. A

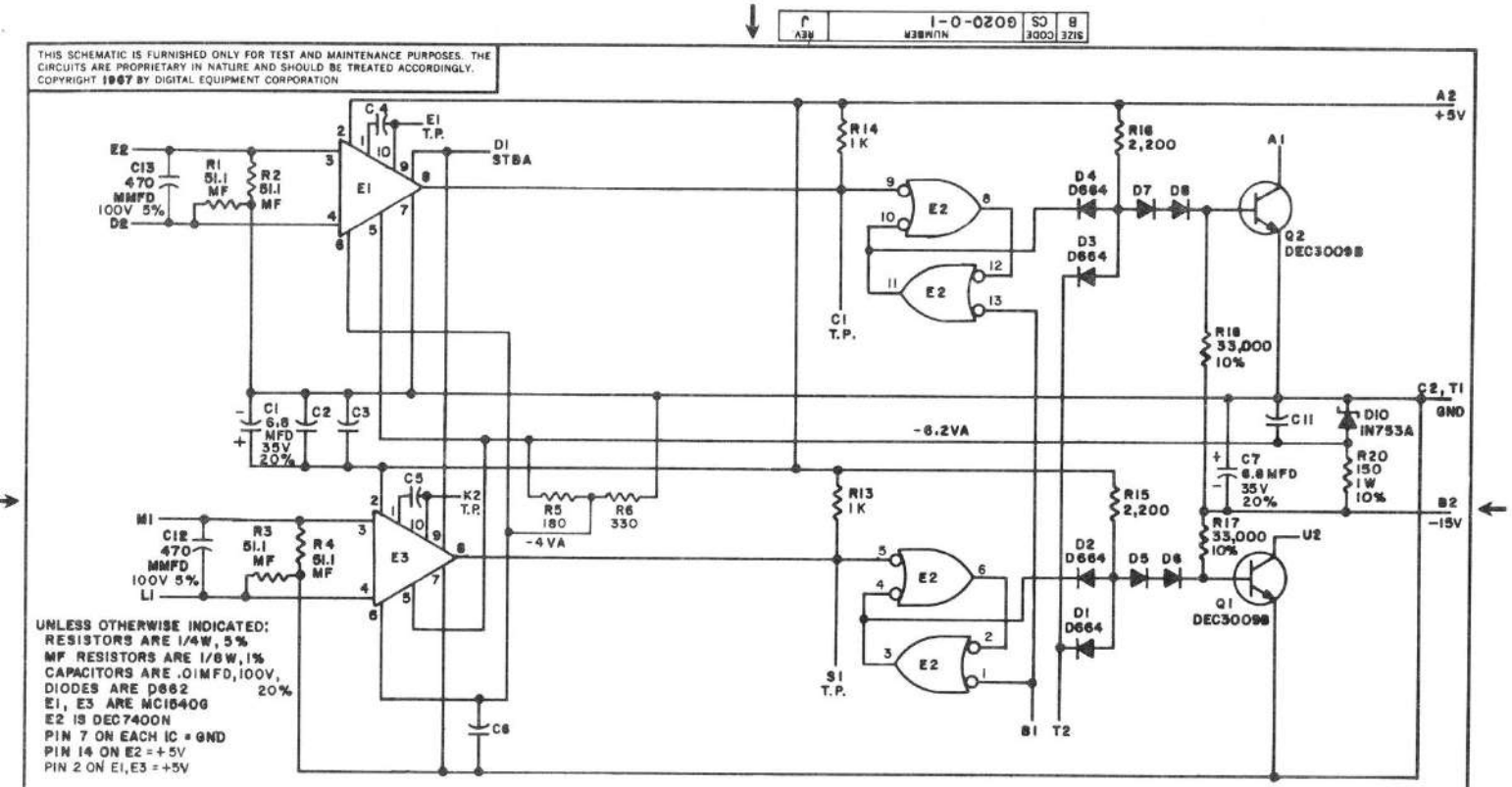
DEC FORM NO.
DRB 102

CS-B-734B-2



NOTE:
OUTPUT IS CONNECTED THROUGH HEYMAN TAB TERMINALS

REVISIONS	DRAFTSMAN H. W. PORTER DATE 1-23-64	CHECKER A. VARTABEDIAN DATE 1-23-64	digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS	CODE CS	DWG. NO. B-734B	RE 2
	ENGINEER D. A. WHITE DATE 1-24-64	PRODUCTION DATE	TITLE VARIABLE POWER SUPPLY 734B			



USE THE ETCH BOARD OF THE G021

PARTS LIST IS A-PL-G020-0-0

REVISIONS	CHK	CHG NO.	REV
		00001	C
		00002	D
		00003	E
		00004	F
		00005	H
		00007	J

DRN	M. Waller	DATE 7-18-67
CHK'D		DATE 7/18/67
ENG	R. Boyer	DATE 7/16/67
PROD	2	DATE

TRANSISTOR & DIODE CONVERSION CHART

DEC	EIA	DEC	EIA
DEC30098	2N3009		
D662	IN645		
D664	IN3604		
IN753A	SAME		

digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS

TITLE: SENSE AMP. G020

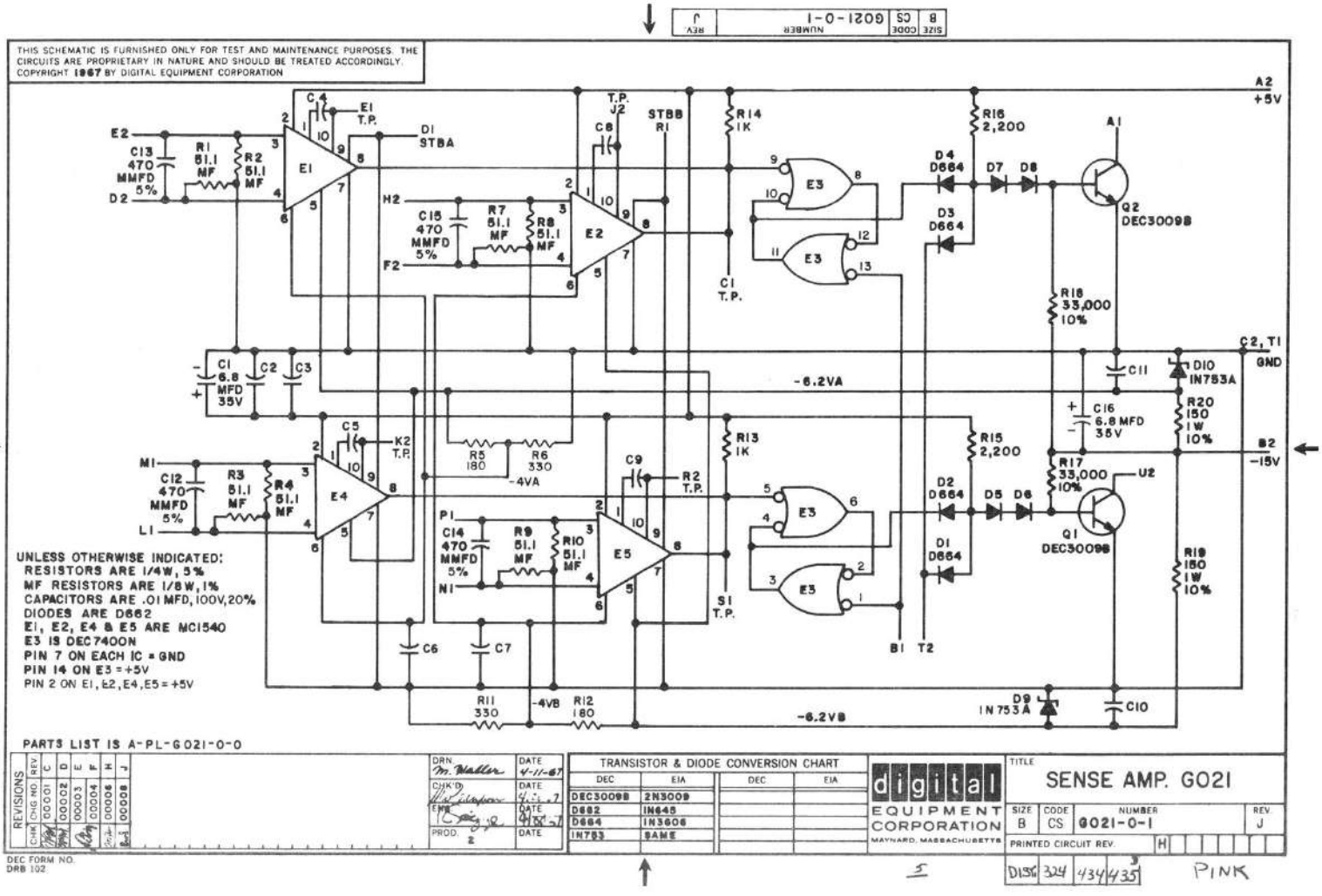
SIZE	CODE	NUMBER	REV.
B	CS	G020-0-1	J

PRINTED CIRCUIT REV. H

DEC FORM NO DRB 102

DIST. 324 434 435

PINK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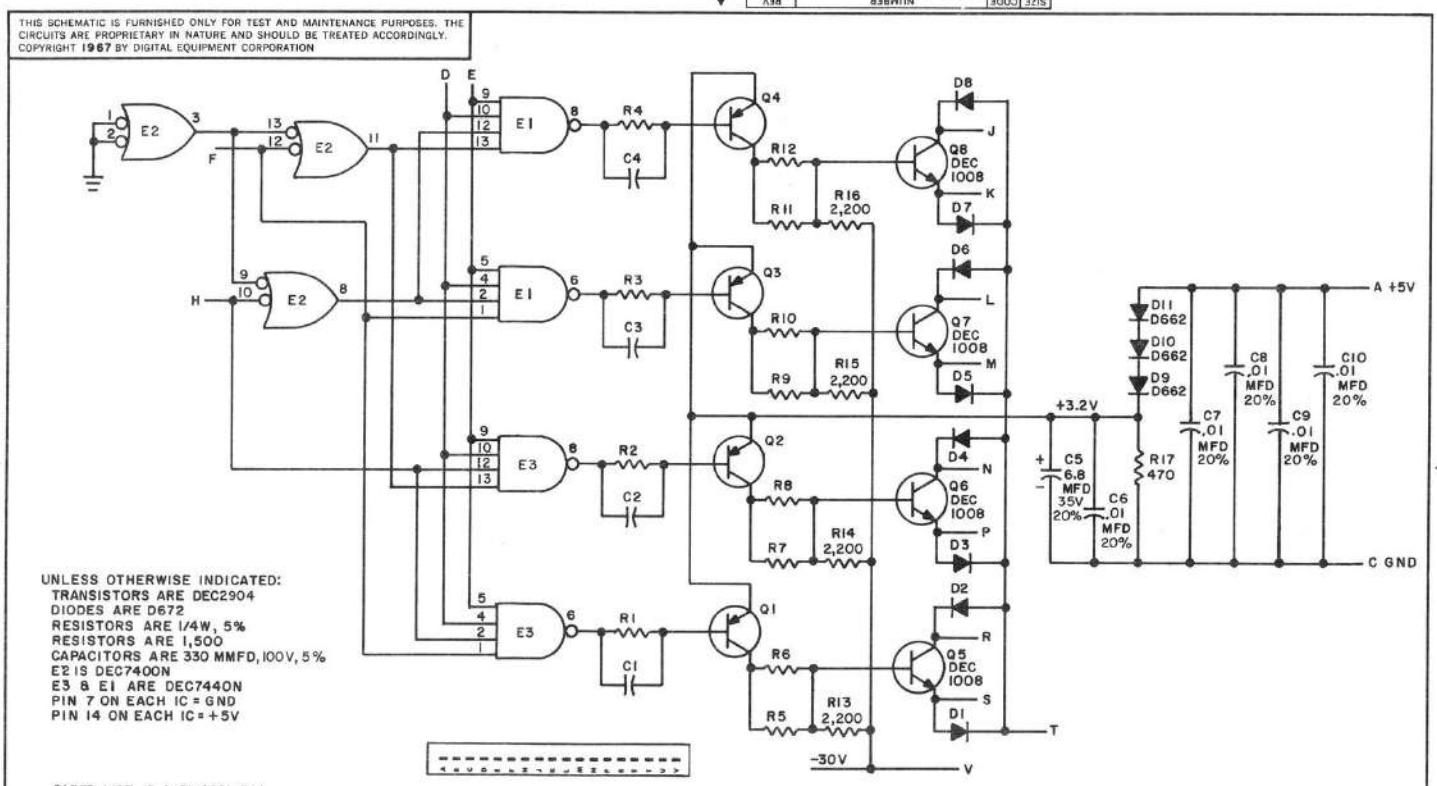
SIZE B CODE CS NUMBER G021-0-1 REV J
A2 +5V
B2 -15V
C2, T1 GND
E1 E2 E3 E4 E5
C1 6.8 MFD 35V
C2 C3 C4 C5 C6 C7 C8 C9 C10 C11 C12 C13 C14 C15 C16
470 MMFD 5%
51.1 MF
R1 R2 R3 R4 R5 180 R6 330 R7 R8 R9 R10 R11 330 R12 180 R13 1K R14 1K R15 2,200 R16 2,200 R17 33,000 10% R18 33,000 10% R19 150 1W 10% R20 150 1W 10%
D1 D2 D3 D4 D5 D6 D7 D8 D9 D10 D664 IN753A
Q1 DEC30098 Q2 DEC30098
U2
-6.2VA
-4VA
-6.2VB
STBA STBB
T.P. J2
E1 T.P.
K2 T.P.
R2 T.P.
C1 T.P.
S1 T.P.
H2 F2 P1 N1 M1 L1 E2 D2 A1 B1 T2
UNLESS OTHERWISE INDICATED:
RESISTORS ARE 1/4W, 5%
MF RESISTORS ARE 1/8W, 1%
CAPACITORS ARE .01 MFD, 100V, 20%
DIODES ARE D662
E1, E2, E4 & E5 ARE MC1540
E3 IS DEC7400N
PIN 7 ON EACH IC = GND
PIN 14 ON E3 = +5V
PIN 2 ON E1, E2, E4, E5 = +5V
PARTS LIST IS A-PL-G021-0-0
REVISIONS
CHK CHG NO. REV.
00001 C
00002 D
00003 E
00004 F
00006 H
00008 J
DRN. M. Walker DATE 4-11-67
CHK'D DATE
ENG DATE
PROD. DATE
TRANSISTOR & DIODE CONVERSION CHART
DEC EIA DEC EIA
DEC30098 2N3009
D662 IN645
D664 IN3606
IN753 SAME
digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS
TITLE SENSE AMP. G021
SIZE B CODE CS NUMBER G021-0-1 REV. J
PRINTED CIRCUIT REV. H
DEC FORM NO. DRB 102
D156 324 434/435 PINK



UNLESS OTHERWISE INDICATED:
TRANSISTORS ARE DEC2904
DIODES ARE D672
RESISTORS ARE 1/4W, 5%
RESISTORS ARE 1,500
CAPACITORS ARE 330 MMFD, 100V, 5%
E2 IS DEC7400N
E3 & E1 ARE DEC7440N
PIN 7 ON EACH IC = GND
PIN 14 ON EACH IC = +5V

PARTS LIST IS A-PL-G221-0-1

REVISIONS	CHK	CHG NO.	REV
		6451	A
		6508	B
		00001	C
		00004	D

DRN. M. Waller DATE 4-3-67
CHK'D DATE 5-24-67
ENG DATE 5/5/67
PROD. DATE

TRANSISTOR & DIODE CONVERSION CHART			
DEC	EIA	DEC	EIA
DEC1008	MM1008		
DEC2904	2N2904		
D662	IN645		
D672	IN3653		

digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS

TITLE: MEMORY SELECTOR G221

SIZE	CODE	NUMBER	REV.
B	CS	G221-0-1	D

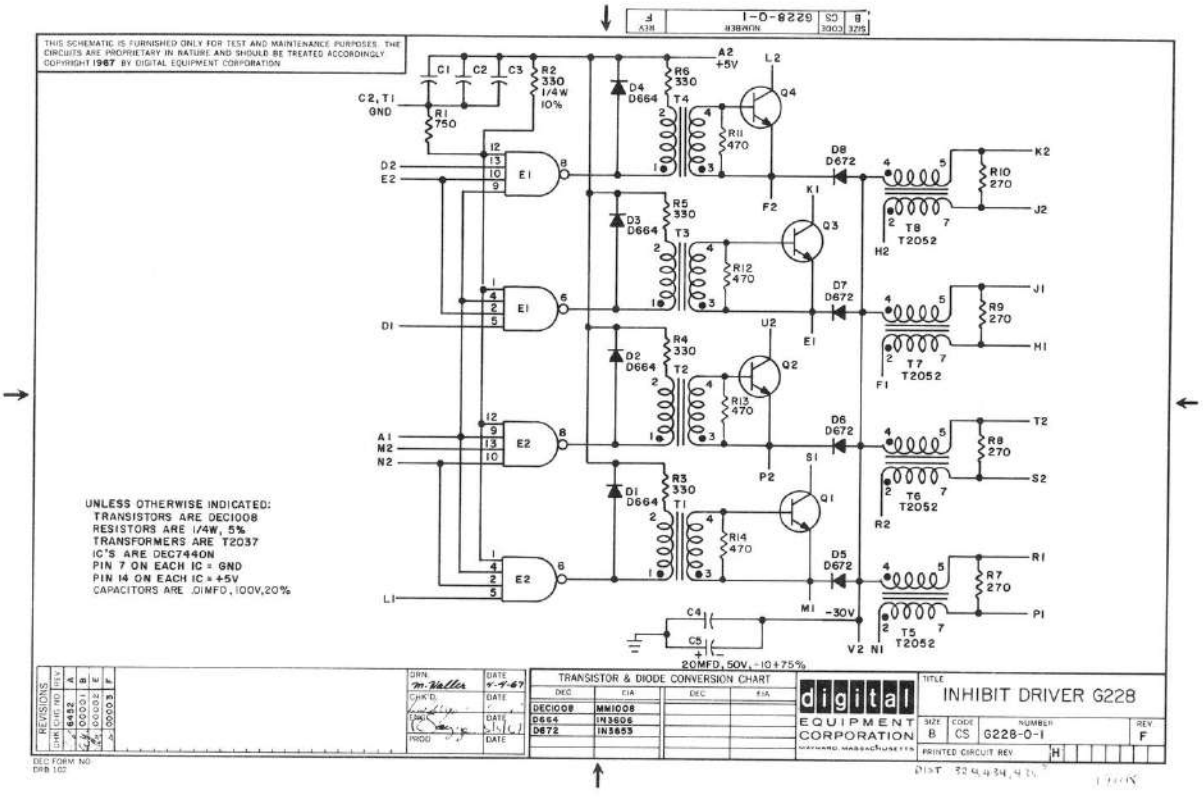
PRINTED CIRCUIT REV. B

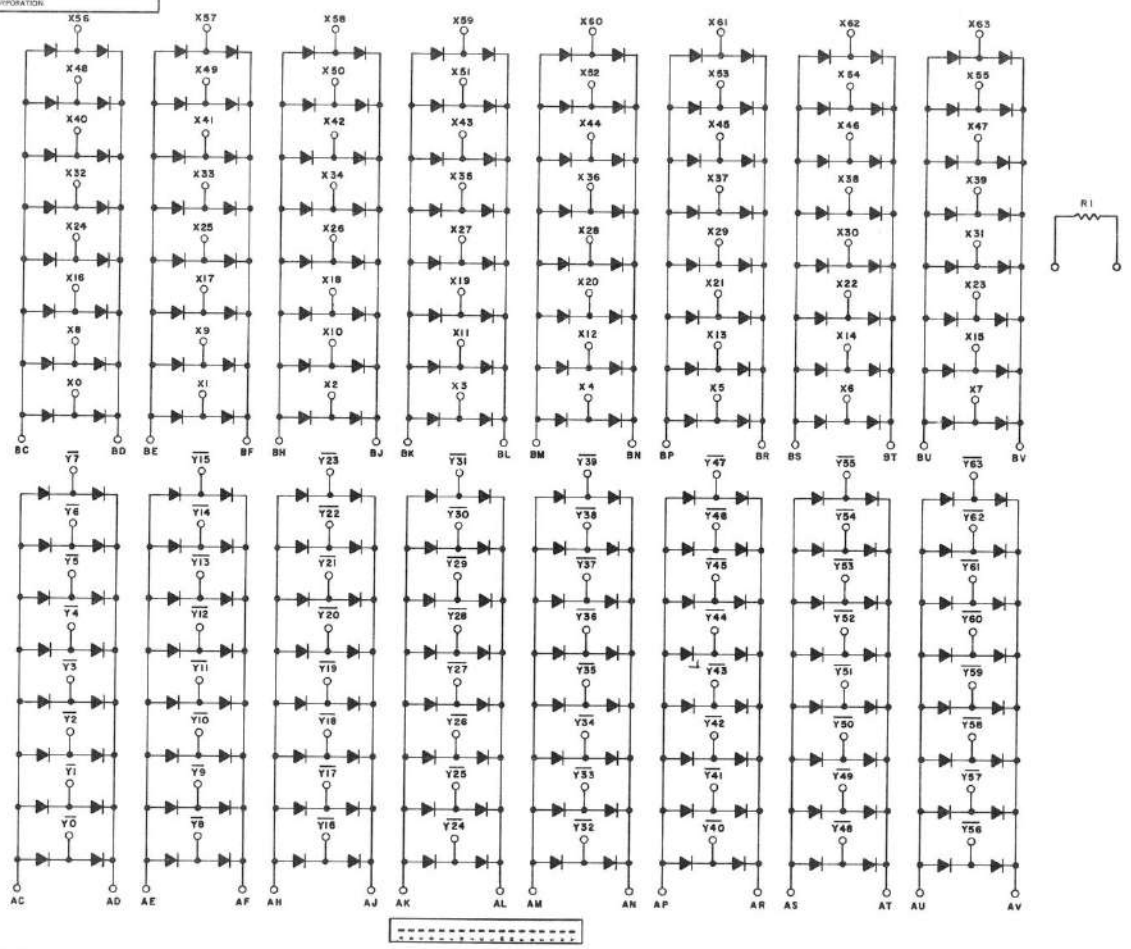
DEC FORM NO. DRB 102

5

DIST. 324 434 435

PINK


THIS SCHEMATIC IS FURNISHED ONLY FOR TEST AND MAINTENANCE PURPOSES. THE CIRCUITS ARE PROPRIETARY IN NATURE AND SHOULD BE TREATED ACCORDINGLY
COPYRIGHT 1967 BY DIGITAL EQUIPMENT CORPORATION
UNLESS OTHERWISE INDICATED:
TRANSISTORS ARE DEC1008
RESISTORS ARE 1/4W, 5%
TRANSFORMERS ARE T2037
IC'S ARE DEC7440N
PIN 7 ON EACH IC = GND
PIN 14 ON EACH IC = +5V
CAPACITORS ARE .01MFD, 100V, 20%
20MFD, 50V, -10+75%
TRANSISTOR & DIODE CONVERSION CHART
DEC
EIA
DEC
EIA
DEC1008
MM1008
D664
IN3505
D672
IN3653
digital
EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS
TITLE
INHIBIT DRIVER G228
SIZE B
CODE CS
NUMBER G228-0-1
REV F
PRINTED CIRCUIT REV. H
REVISIONS
DWN
CHK'D
ENG
PROD
DATE



UNLESS OTHERWISE INDICATED:
DIODES ARE D672
USE D671 AS SUBSTITUTE
R1 IS A 330Ω THERMISTOR
25% #A0905P-8

REVISIONS			
CHG NO	CHG NO	CHG NO	REV
			B

DRN	M. Walker	DATE 1/12/66
CHK'D	A. Schramm	DATE 1/15/66
ENG		DATE
PROD		DATE

TRANSISTOR & DIODE CONVERSION CHART

DEC	EIA	DEC	EIA
D672	1N3683		

digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS

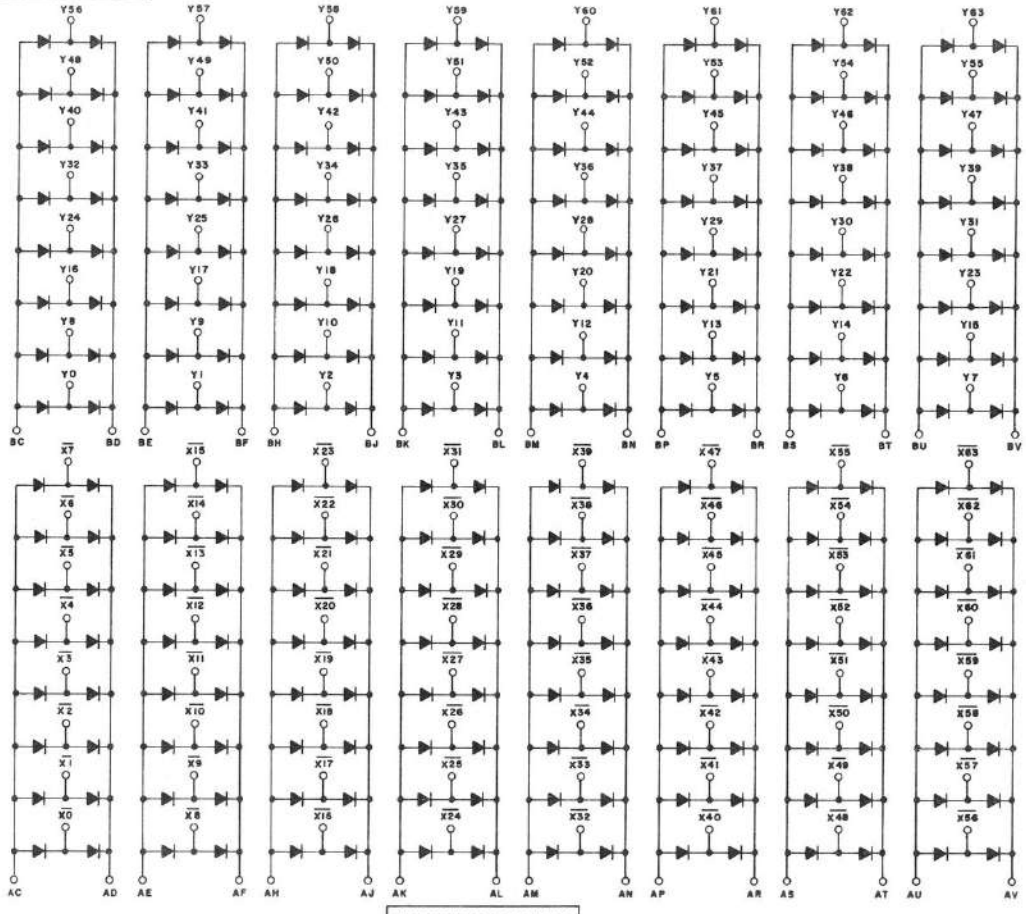
TITLE: A-DIODE BOARD G610

SIZE	CODE	NUMBER	REV.
C	CS	G610-0-1	B

PRINTED CIRCUIT REV. A B

SIZE C CODE CS NUMBER G610-0-1 REV B

DEC FORM NO. DRC 102



UNLESS OTHERWISE INDICATED:
DIODES ARE D672
USE D671 AS SUBSTITUTE

REVISIONS		
CHK	CHG NO.	REV
	8109	A

DRN. M. Waller	DATE 11-28-66	
CHK'D	DATE	
ENG.	DATE 11/30/66	
PROD.	DATE 12/5/66	

TRANSISTOR & DIODE CONVERSION CHART

DEC	EIA	DEC	EIA
D672	IN3605		

digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS

TITLE B-DIODE BOARD G611

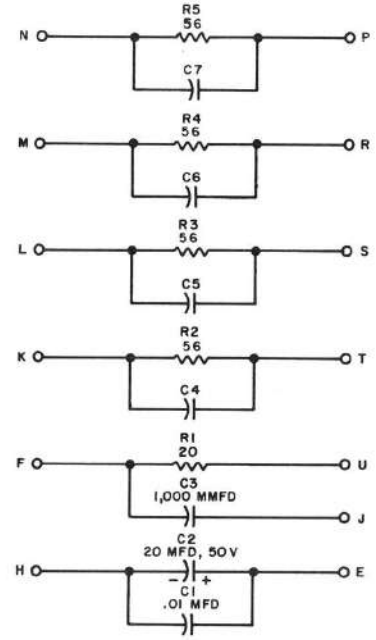
SIZE	CODE	NUMBER	REV.
C	CS	G611-0-1	A

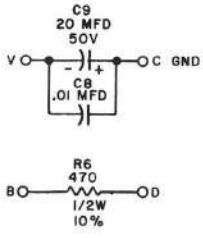
PRINTED CIRCUIT REV. B

REV	DATE	BOARD NO.
A	1-0-1169	CS G

DEC FORM NO. SRC 102

SIZE	CODE	NUMBER	REV
B	CS	6624-0-1	D





UNLESS OTHERWISE INDICATED:
CAPACITORS ARE 680 MMFD
RESISTORS ARE 10W, 1%, LOW INDUCTANCE

REVISIONS			
CHK	CHG NO	REV	
	6442	A	
	6561	B	
	6709	C	
	06001	D	

DRN. M. Waller	DATE 5-24-67	
CHK'D	DATE	
ENG.	DATE	
PROD.	DATE	

TRANSISTOR & DIODE CONVERSION CHART			
DEC	EIA	DEC	EIA

digital EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS

TITLE: RESISTOR BOARD G624

SIZE	CODE	NUMBER	REV.
B	CS	G624-0-1	D

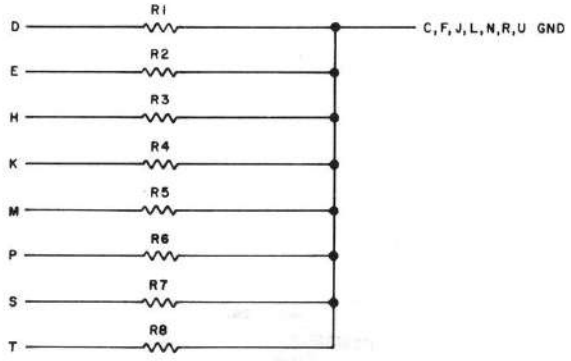
PRINTED CIRCUIT REV. C

DEC FORM NO.
DRB 102

DIST. 324 474 433

PINK

SIZE	CODE	NUMBER	REV
B	CS	G700-YA-1	



UNLESS OTHERWISE INDICATED:
RESISTORS ARE 100; 1/4W; 5%

USE THE G700 ETCH

REVISIONS			
CHK	CHG NO	REV	

DRN	S. Cooper	DATE 5/4/70
CHK'D	M. Waller	DATE 5/4/70
ENGR	[illegible]	DATE 5/28/70
PROD	[illegible]	DATE 6/5/70

TRANSISTOR & DIODE CONVERSION CHART			
DEC	EIA	DEC	EIA

digital EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS

TITLE: 100Ω TERMINATOR G700-YA

SIZE	CODE	NUMBER	REV.
B	CS	G700-YA-1	

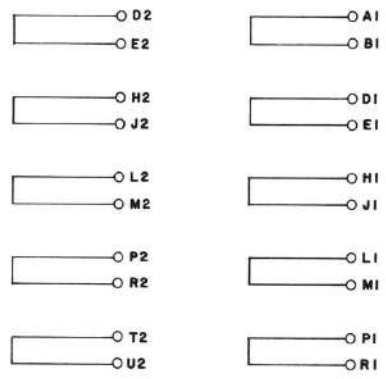
PRINTED CIRCUIT REV. B

DEC FORM NO.
DRB 102

DIST: 324,434,435,3

5 PINK

SIZE	CODE	NUMBER	REV.
B	CS	G718-0-1	A



PARTS LIST IS A-PL-G718-0-0

REVISIONS			
CHK	CHG NO	REV	
[illegible]	00001	A	

DRN. M. Weller	DATE 1-10-69	
CHK'D M Murchal	DATE 1-14-69	
ENG [illegible]	DATE [illegible]	
PROD.	DATE	

TRANSISTOR & DIODE CONVERSION CHART

DEC	EIA	DEC	EIA

digital EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS

TITLE: TIMING JUMPER G718

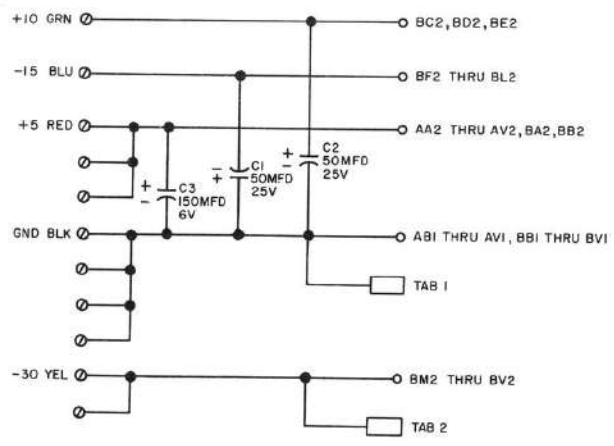
SIZE	CODE	NUMBER	REV.
B	CS	G718-0-1	A

PRINTED CIRCUIT REV. A

DEC FORM NO. DRB 102

PINK [illegible]

SIZE	CODE	NUMBER	REV.
B	CS	G780-0-1	



UNLESS OTHERWISE INDICATED:
Ø ARE EYELETS
TABS ARE DEC A-MD-7407196

REVISIONS	CHK	CHG NO	REV.

DRN. R. BUTLER	DATE 4/14/69	
CHK'D M. Haviland	DATE 4-24-69	
ENGR L. Sale	DATE 5/15/69	
PROD.	DATE	

TRANSISTOR & DIODE CONVERSION CHART

DEC	EIA	DEC	EIA

digital EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS

TITLE: POWER CONNECTOR G780

SIZE	CODE	NUMBER	REV.
B	CS	G780-0-1	

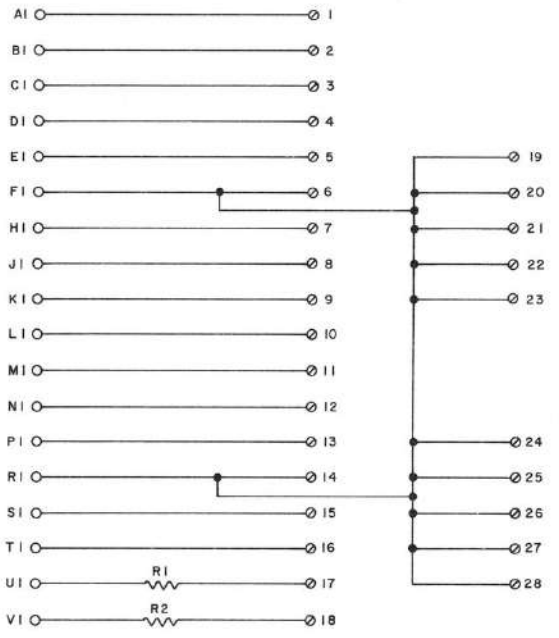
PRINTED CIRCUIT REV. A

DEC FORM NO. DRB 102

5 PINK

SIZE	CODE	NUMBER	REV
B	CS	G783-0-1	

COLOR CODING CHART BASED ON STD. BELDEN PAIR DESIGNATION			
PAIR NO.	SHIELD	PIN	WIRE
1	RED	AI BI	BLK RED
2	RED	CI DI	BLK WHT
3	GRN	EI HI	BLK GRN
4	BLU	JI KI	BLK BLU
5	BLU	LI MI	BLK YEL
6	BLU	NI PI	BLK BRN
7	BLU	SI TI	BLK ORN
8	BLU	UI VI	RED WHT
9	BLU	FI RI	RED GRN



UNLESS OTHERWISE INDICATED:
RESISTORS ARE 10, 1/4W, 10%
⊘ INDICATES SPLIT LUG

REVISIONS			
CHK	CHG NO.	REV.	

DRN.	M. Keller	DATE 4-14-69
CHK'D	M. Mendel	DATE 4-16-69
ENGR	L. Gale	DATE 5/15/69
PROD.		DATE

TRANSISTOR & DIODE CONVERSION CHART			
DEC	EIA	DEC	EIA

digital EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS

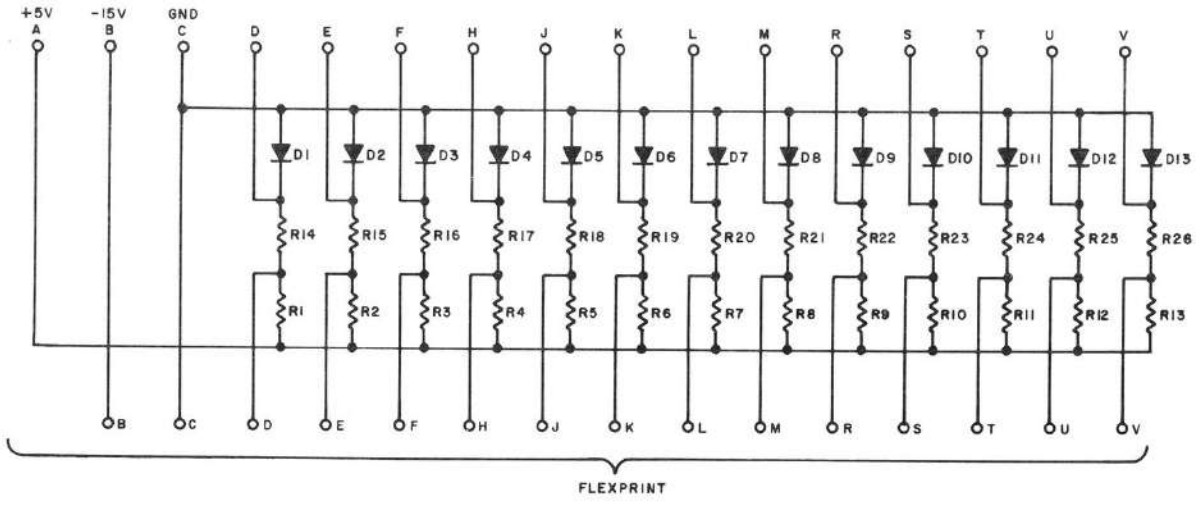
TITLE: CABLE CONNECTOR G783

SIZE	CODE	NUMBER	REV.
B	CS	G783-0-1	
PRINTED CIRCUIT REV.		A	

DEC FORM NO.
DRB 102

5 DIST. 324,434,435 PINK

SIZE	CODE	NUMBER	REV
B	CS	G793-0-1	B



REFERENCE DESIGNATION	DESCRIPTION	PART NO.
	PARTS LIST	A-PL-G793-0-0
R1 THRU R13	RES, 6.8K 1/4W 10% CC	1300463
R14 THRU R26	RES, 1.5K 1/4W 5% CC	1300391
D1 THRU D13	DIODE D664	1100114

PARTS LIST

REVISIONS			
CHK	CHG NO	REV	
[illegible]	00001	A	
[illegible]	00002	B	

DRN. Ray Miller	DATE	1-9-68
CHKD. [illegible]	DATE	1/15/68
ENG. [illegible]	DATE	[illegible]
PROD.	DATE	

TRANSISTOR & DIODE CONVERSION CHART			
DEC	EIA	DEC	EIA
D664	1N3606		

digital EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS

TITLE: PDP-8I SWITCH CONNECTOR G793

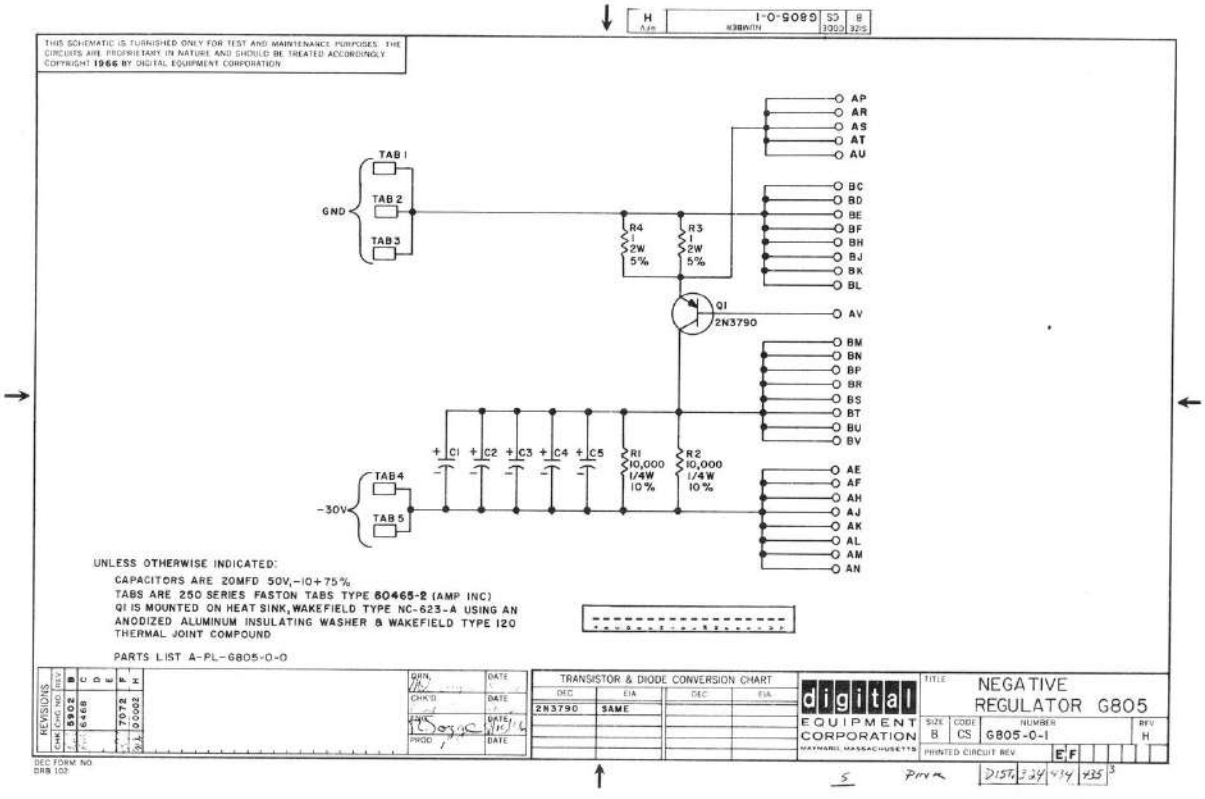
SIZE	CODE	NUMBER	REV.
B	CS	G793-0-1	B

PRINTED CIRCUIT REV. B

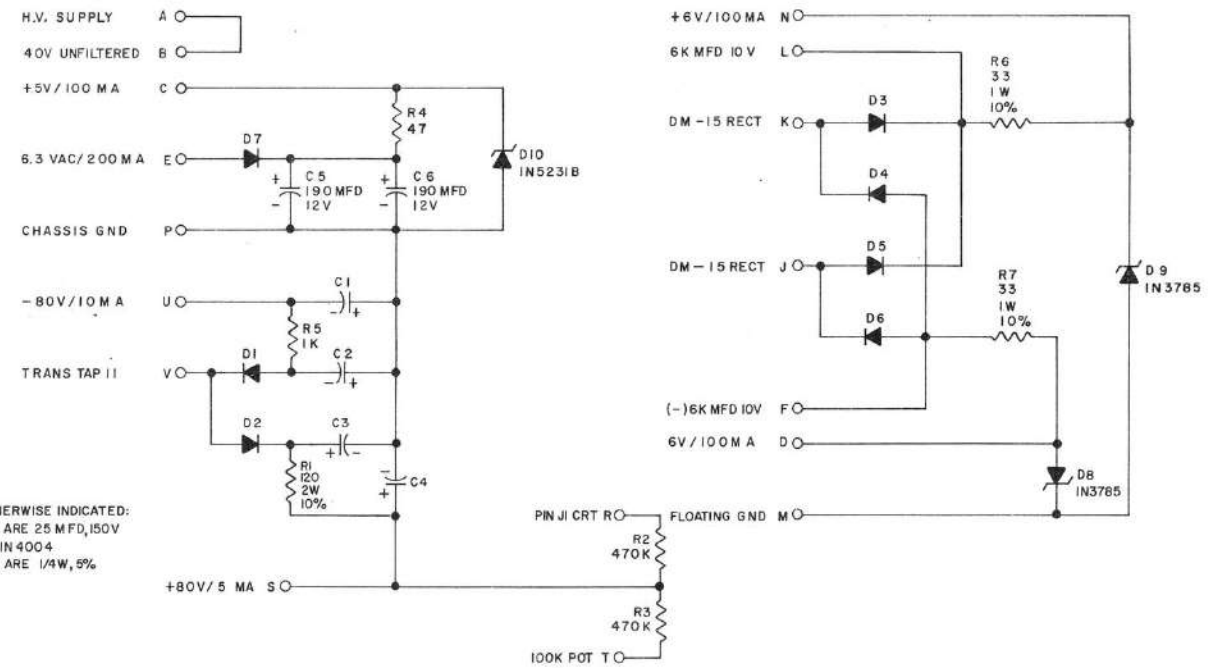
DEC FORM NO.
DRB 102

PINK 5

DIST. 324/434/435


H
G805-0-1
SIZE B
CODE CS
NUMBER G805-0-1
REV H
THIS SCHEMATIC IS FURNISHED ONLY FOR TEST AND MAINTENANCE PURPOSES. THE CIRCUITS ARE PROPRIETARY IN NATURE AND SHOULD BE TREATED ACCORDINGLY.
COPYRIGHT 1966 BY DIGITAL EQUIPMENT CORPORATION
TAB 1
TAB 2
TAB 3
GND
R4 1 2W 5%
R3 1 2W 5%
AP
AR
AS
AT
AU
BC
BD
BE
BF
BH
BJ
BK
BL
Q1 2N3790
AV
BM
BN
BP
BR
BS
BT
BU
BV
+ C1
+ C2
+ C3
+ C4
+ C5
R1 10,000 1/4W 10%
R2 10,000 1/4W 10%
TAB 4
TAB 5
-30V
AE
AF
AH
AJ
AK
AL
AM
AN
UNLESS OTHERWISE INDICATED:
CAPACITORS ARE 20MFD 50V, -10+75%
TABS ARE 250 SERIES FASTON TABS TYPE 60465-2 (AMP INC)
Q1 IS MOUNTED ON HEAT SINK, WAKEFIELD TYPE NC-623-A USING AN ANODIZED ALUMINUM INSULATING WASHER & WAKEFIELD TYPE 120 THERMAL JOINT COMPOUND
PARTS LIST A-PL-G805-0-0
REVISIONS
ECO 5902 B C D
ECO 6468 E F
ECO 7072 F H
ECO 10062 H
DRN
CHK'D
ENG
PROD
DATE
TRANSISTOR & DIODE CONVERSION CHART
DEC
EIA
2N3790
SAME
digital
EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS
TITLE NEGATIVE REGULATOR G805
SIZE B
CODE CS
NUMBER G805-0-1
REV H
PRINTED CIRCUIT REV. E F
DEC FORM NO. DRB 102
DIST 334 414 435

REV	NUMBER	SIZE	CODE
B	G817-0-1	B	CS



UNLESS OTHERWISE INDICATED:
CAPACITORS ARE 25 MFD, 150V
DIODES ARE IN4004
RESISTORS ARE 1/4W, 5%

REVISIONS	CHK	CHG NO.	REV.
	CS	00001	B

		DATE
DRN.	G. Fedorowicz	6-25-69
CHK'D	[illegible]	6-[illegible]-69
ENG.	R. Boynton	7-17-69
PROD.		DATE

TRANSISTOR & DIODE CONVERSION CHART

DEC	EIA	DEC	EIA
IN5231B	SAME		
IN3785	SAME		
IN4004	SAME		

digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS

TITLE POWER SUPPLY BI
G817

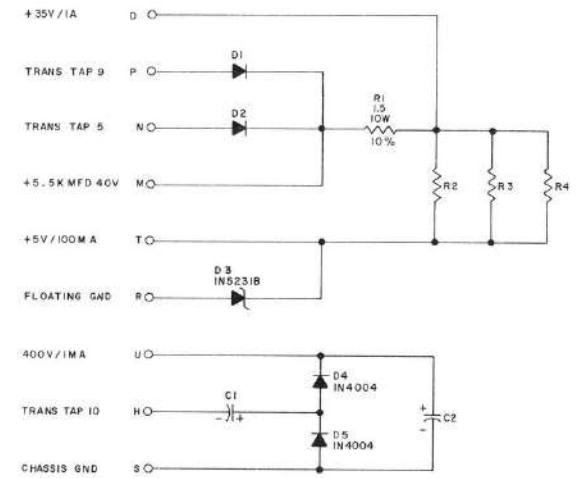
SIZE	CODE	NUMBER	REV.
B	CS	G817-0-1	B

PRINTED CIRCUIT REV. A

DEC FORM NO.
DRB 102

D15T 324,934,935³ PINK 5/

D	G818-0-1	B
REV	NUMBER	SIZE CS CODE



UNLESS OTHERWISE INDICATED:
CAPACITORS ARE 10 MFD 450V
DIODES ARE MR10338
RESISTORS ARE 1K 2W 5%

REVISIONS			
CHK	CHG NO	DATE	REV
	00607		C
	00662		D

DRN Floating DATE 4-2-69
CHK'D DATE 3-19-69
ENG DATE
PROD DATE

TRANSISTOR & DIODE CONVERSION CHART			
DEC	EIA	DEC	EIA
MR10338	SAME		
IN5231B	SAME		
IN4004	SAME		

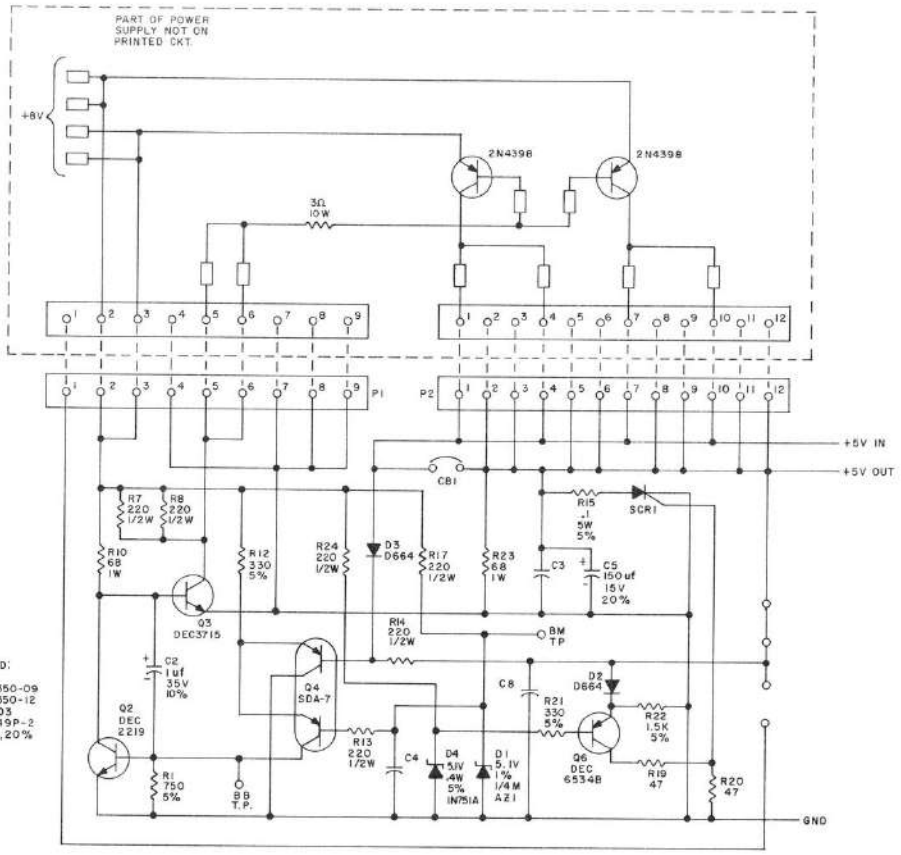
digital EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS

TITLE POWER SUPPLY B2
G818

SIZE	CODE	NUMBER	REV
B	CS	G818-0-1	D

PRINTED CIRCUIT REV. B

DEC FORM NO.
DRB 102



UNLESS OTHERWISE INDICATED:
RESISTORS ARE 1/4W, 10%
P1 IS SOCKET HOUSING 1209350-09
P2 IS SOCKET HOUSING 1209350-12
CB1 IS AIRPAX #UPLI-50-0203
SCR1 IS A RECTIFIER MCR649P-2
CAPACITORS ARE .01uf, 100V, 20%

REVISIONS		
DWG. NO.	0009	B
	0002	C

DRN.	M. Baller	DATE 5-5-69
CHK'D	P. Wingate	DATE 5-12-69
ENG		DATE 5/16/69
PROD.		DATE

TRANSISTOR & DIODE CONVERSION CHART

DEC	EIA	DEC	EIA
D664	1N3606	SDA-7	SAME
5.1V 1/4M AZ1	NONE		
DEC6534B	MPS6534		
DEC2219	2N2219		
DEC3715	NONE		

digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS

TITLE: +5 VOLT REGULATOR G824

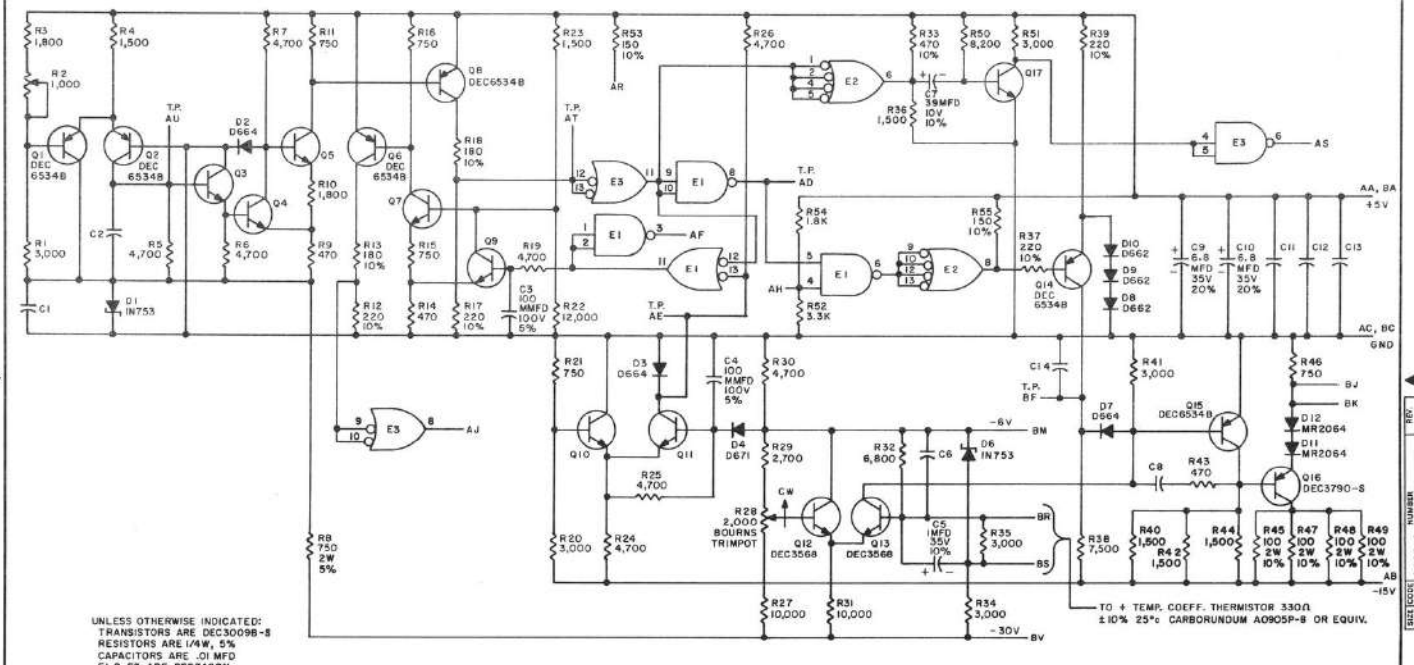
SIZE	CODE	NUMBER	REV.
C	CS	G824-0-1	C

PRINTED CIRCUIT REV. B

DEC FORM NO.
DRG. LOC.

5 DIST. 324.434, 435

PINK



UNLESS OTHERWISE INDICATED:
TRANSISTORS ARE DEC3009B-S
RESISTORS ARE 1/4W, 5%
CAPACITORS ARE .01 MFD
E1 & E3 ARE DEC7400N
E2 IS DEC7440N
PIN 7 ON EACH IC = GND
PIN 14 ON EACH IC = +5V

PARTS LIST A-PL-G826-0-0

REVISIONS	CHK CHG NO.	REV
6933	00002	E
	00004	F
	00005	H
	00006	J
	00007	L

DRN. M. Walker DATE 5-10-67
CHK'D DATE 5/24/67
PROJ. DATE 5/24/67

TRANSISTOR & DIODE CONVERSION CHART

DEC	EIA	DEC	EIA
DEC3009B	2N3009	D664	IN3606
DEC3568	2N3568	D671	IN3653
DEC65348	MPS6534		
DEC3790	2N3790	IN753	SAME
D662	IN645	MR2064	IN4001

digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS

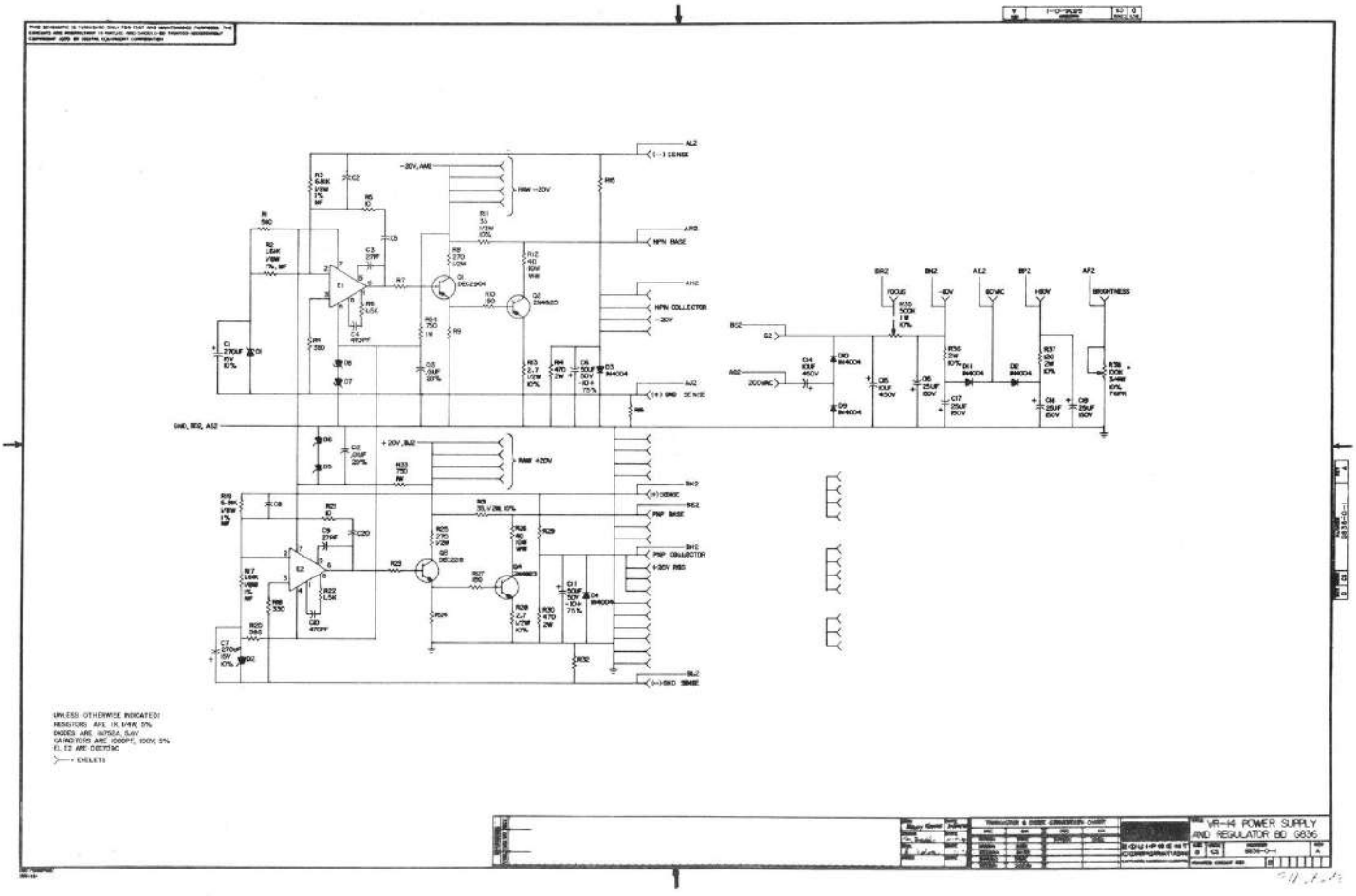
TITLE REGULATOR CONTROL G826

SIZE	CODE	NUMBER	REV.
C	CS	G826-0-1	L

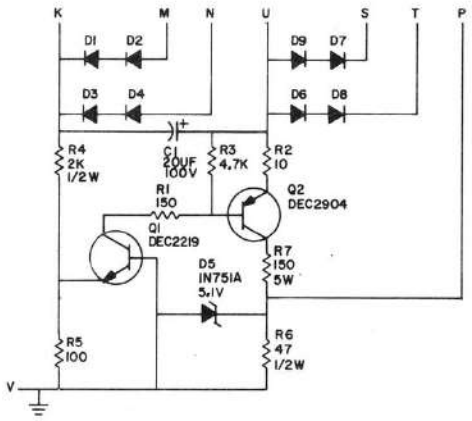
PRINTED CIRCUIT REV. K

DEC FORM NO.

NEXT ASSY G826-0-1 | REV L


VR-46 POWER SUPPLY
AND REGULATOR BD 6836
UNLESS OTHERWISE INDICATED:
RESISTORS ARE 1K, 1/4W, 5%
DIODES ARE IN756A, 5.6V
CAPACITORS ARE 1000PF, 100V, 5%
E1, E2 ARE DIE7I3C
>—< ENLETS

SIZE	CODE	NUMBER	REV
B	CS	G838-0-1	



UNLESS OTHERWISE INDICATED:

RESISTORS = 1/4W, 5%
DIODES = IN4004

REVISIONS	REV	CHG NO	CHK

DRN. NANCY MOORE	DATE	12/18/70
CHK'D	DATE	23DEC70
ENG.	DATE	2-29-72
PROD.	DATE	

TRANSISTOR & DIODE CONVERSION CHART

DEC	EIA	DEC	EIA
IN4004	SAME	IN751A	SAME
DEC2904	2N1132	DEC2219	2N2219

digital EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS

TITLE FAULT PROTECTION BOARD G838

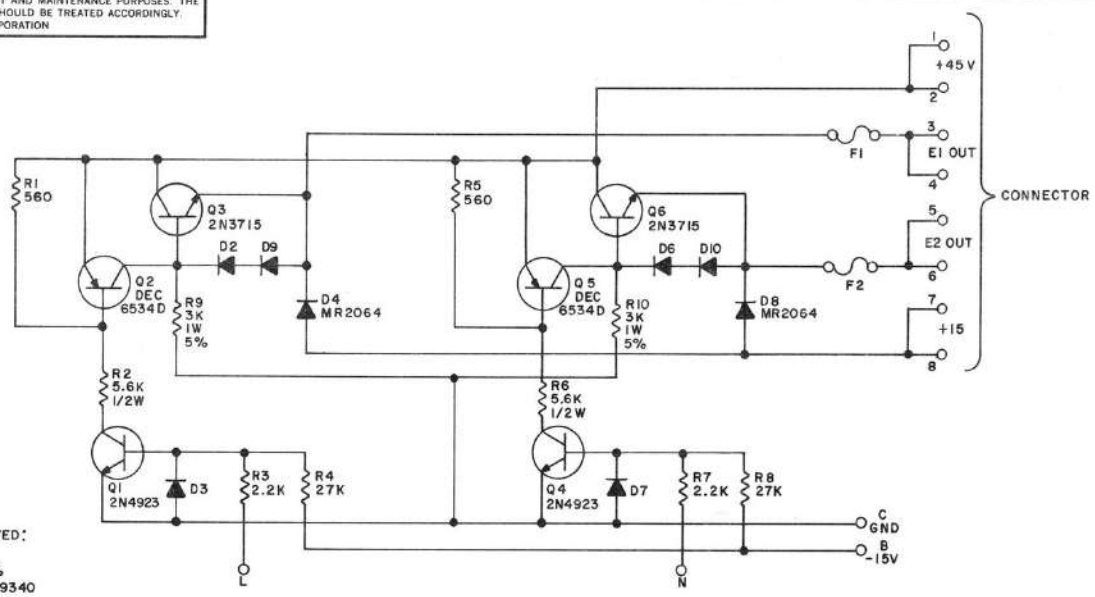
SIZE	CODE	NUMBER	REV.
B	CS	G838-0-1	

PRINTED CIRCUIT REV. A

DEC FORM NO.
DRB 102

PINK BLUE

SIZE	CODE	NUMBER	REV.
B	CS	6847-0-1	A



UNLESS OTHERWISE INDICATED:
DIODES ARE D672
RESISTORS ARE 1/4W, 10%
CONNECTOR IS DEC #1209340
CONNECTOR PINS ARE DEC #1209456
F1, F2 ARE 5 AMP

REVISIONS	CHK	CHG NO	REV.
		00002	A
		00003	

		DATE
DRN.	G Blumm	9-8-69
CHK'D	J.D.J. Kelly C	9/8/69
ENG.	C Cutting	2-17-70
PROD.		DATE

TRANSISTOR & DIODE CONVERSION CHART

DEC	EIA	DEC	EIA
D672	IN3653		
MR2064	IN4001		
2N3715	NONE		
2N4923	NONE		
DEC6534B	MPS6534		

digital EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS

TITLE: DUAL MOTOR VOLTAGE CONTROL G847

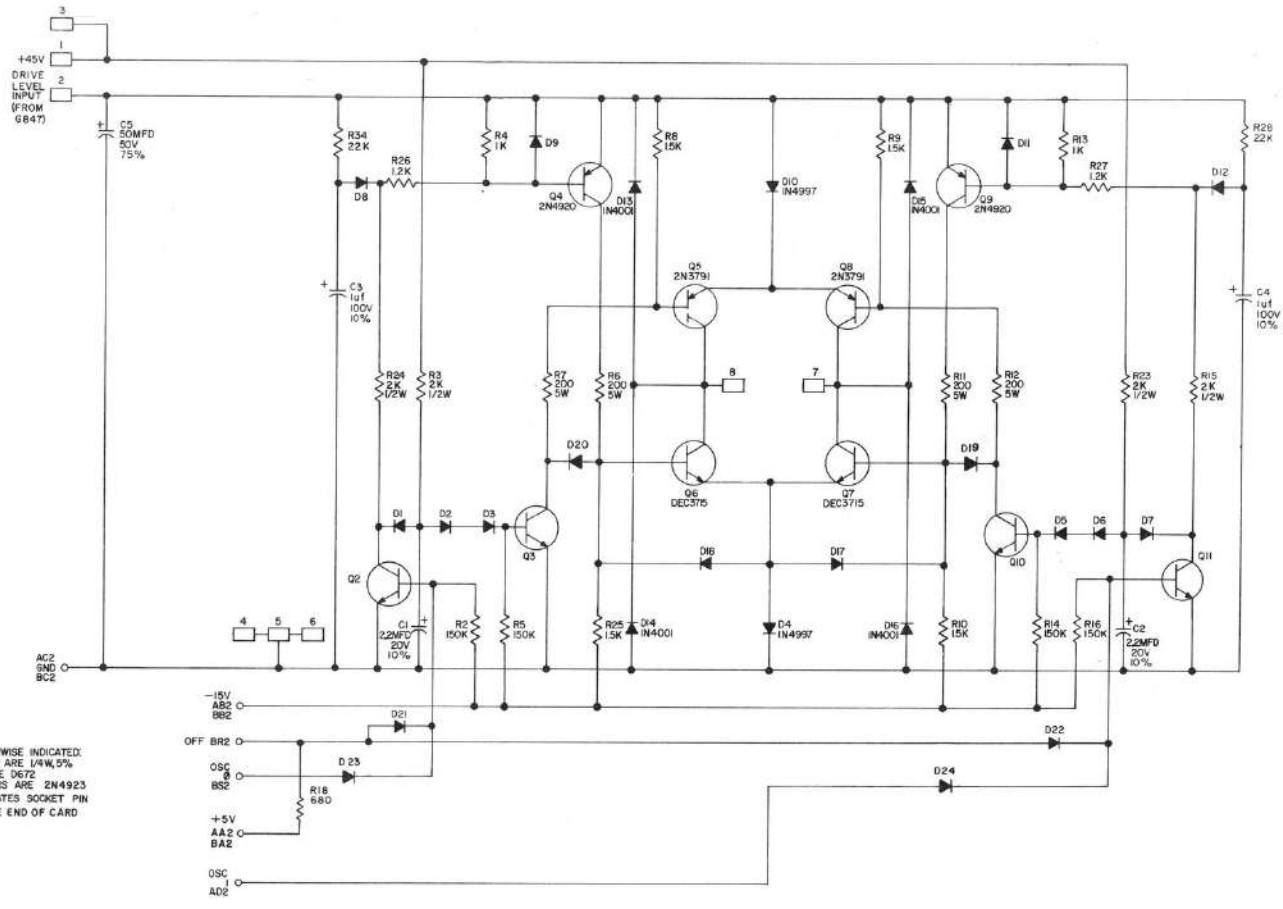
SIZE	CODE	NUMBER	REV.
B	CS	G847-0-1	A

PRINTED CIRCUIT REV. C

DEC FORM NO.
DRB 102

5 PINK

DIST. 324, 434, 435 5



UNLESS OTHERWISE INDICATED:
RESISTORS ARE 1/4W, 5%
DIODES ARE D672
TRANSISTORS ARE 2N4923
□ INDICATES SOCKET PIN AT HANDLE END OF CARD

REVISIONS						
CHG NO.	00001	00002	00003	00004	00005	00006
REV	A	B	C	D	E	F
BY	JF	JF	PAS	AA	JF	JF

		DATE
DRN	G Kelley	12-2-69
CHK'D	K Kaplan	12-4-69
ENG	C Lustig	4/3/70
PROD.		DATE

TRANSISTOR & DIODE CONVERSION CHART

DEC	EIA	DEC	EIA
D672	IN3653	2N4920	SAME
IN4001	SAME	2N4923	SAME
IN4997	SAME	MPS6531	SAME
DEC3715	2N3715	DEC6534D	MPS6534
2N3791	SAME		

digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS

TITLE: MOTOR CONTROL G848

SIZE	CODE	NUMBER	REV
C	CS	G848-0-1	F

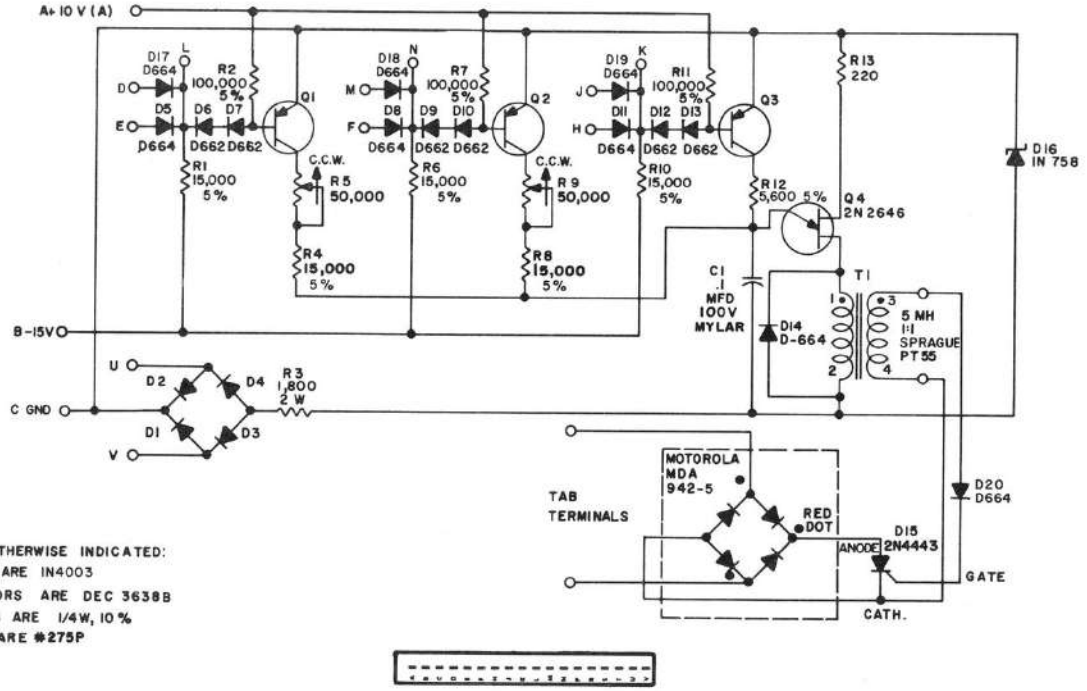
PRINTED CIRCUIT REV. L

DEC FORM NO. DRC 102

MS 493-P8

DIST 324, 434, 435 BP/NK

SIZE	CODE	NUMBER	REV.
B	CS	G850-0-1	P



UNLESS OTHERWISE INDICATED:
DIODES ARE IN4003
TRANSISTORS ARE DEC 3638B
RESISTORS ARE 1/4W, 10%
R5 & R9 ARE #275P

REVISIONS														
CHK	CHG NO	REV												
DMH	5266	3												
DMH	REV B PER 5358		D											
DMH	5420		E											
MDG	5606	F												
MDG	5688	H												
		J												
BSC	6365	K												
BSC	6469	L												
		M												
CWG	6818	N												
CWG	00001	P												

DRN.	I. HAHN	DATE 5-3-65
CHK'D	R. SILVERMAN	DATE 5-14-65
ENG.	D. WARDIMON	DATE 5-13-65
PROD.	D. WARDIMON	DATE 5-13-65

TRANSISTOR & DIODE CONVERSION CHART

DEC	EIA	DEC	EIA
DEC 3638	2N3638	IN758	IN758
2N2646	2N2646	2N4443	SAME
D662	IN645		
D664	IN3606		
IN4003	IN4003		

digital EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS

TITLE S.C.R.
MOTOR DRIVER G850

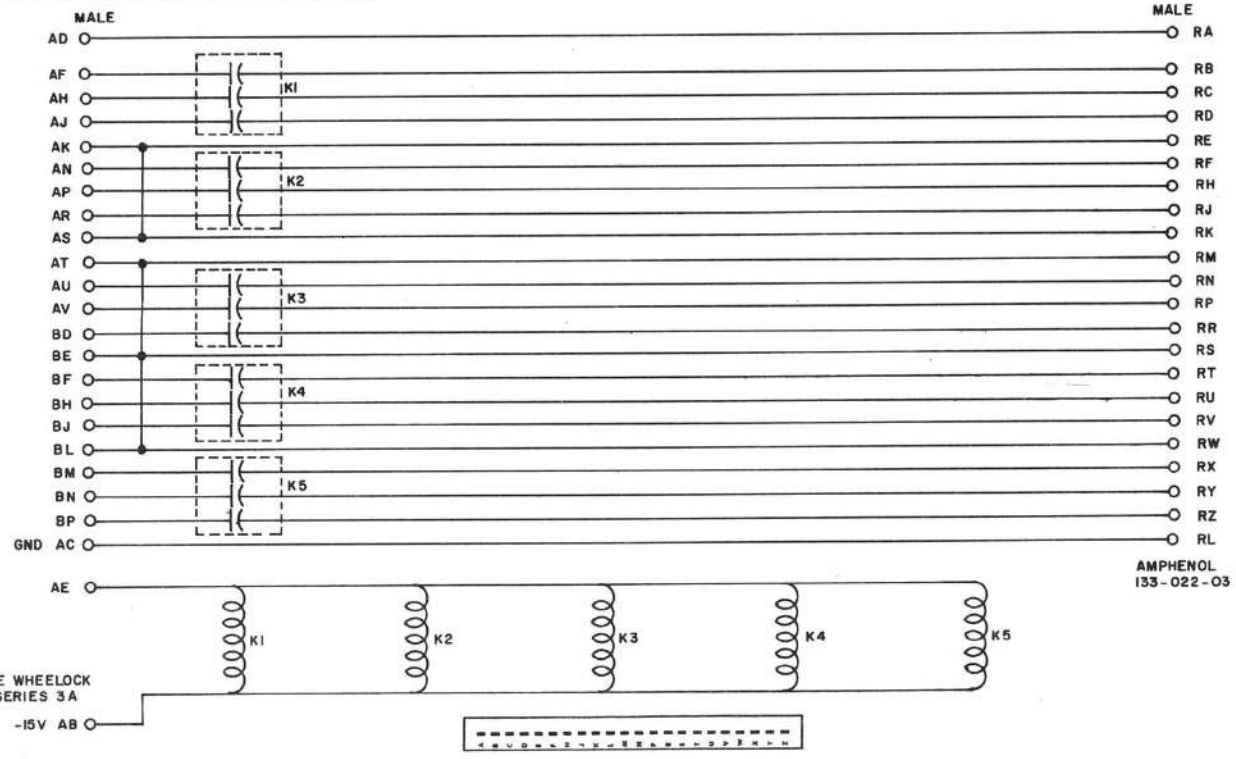
SIZE	CODE	NUMBER	REV.
B	CS	G850-0-1	P

PRINTED CIRCUIT REV. E H J K L

DEC FORM NO. DRB 102

PINK 5 DIST. 324 434 435

SIZE	CODE	NUMBER	REV
B	CS	G851-0-1	B



NOTE:
RELAYS ARE WHEELOCK
REED, 260 SERIES 3A
12V DC

REVISIONS			
CHK	CHG NO.	REV.	
DAW	4613	1	
REV	REDR.	B	
JHW	5196		

DRN. H.W. PORTER	DATE 1-13-65		
CHK'D N. PERRYMAN	DATE 1-25-65		
ENG. D. WARDIMAN	DATE 1-25-65		
PROD.	DATE		

TRANSISTOR & DIODE CONVERSION CHART

DEC	EIA	DEC	EIA

digital
EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS

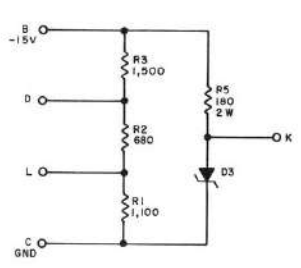
TITLE: RELAY G851

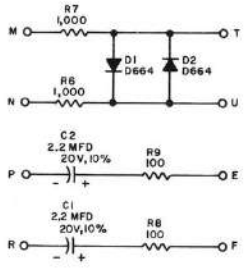
SIZE	CODE	NUMBER	REV.
B	CS	G851-0-1	B

PRINTED CIRCUIT REV. B

DEC FORM NO.
DRB 102

SIZE	CODE	NUMBER	REV
B	CS	G853-0-1	A





UNLESS OTHERWISE INDICATED:
RESISTORS ARE 1/4W, 5%
D3= IN758A

REVISIONS			
CHN	CHG NO	REV	
1	00001	A	

DRN. M. Waller DATE 7-5-67
CHK'D DATE
ENG DATE 7/7/67
PROD. DATE

TRANSISTOR & DIODE CONVERSION CHART			
DEC	EIA	DEC	EIA
D664	IN3606		
IN758A	SAME		

digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS

TITLE MOTION & SELECTION CIRCUIT G853

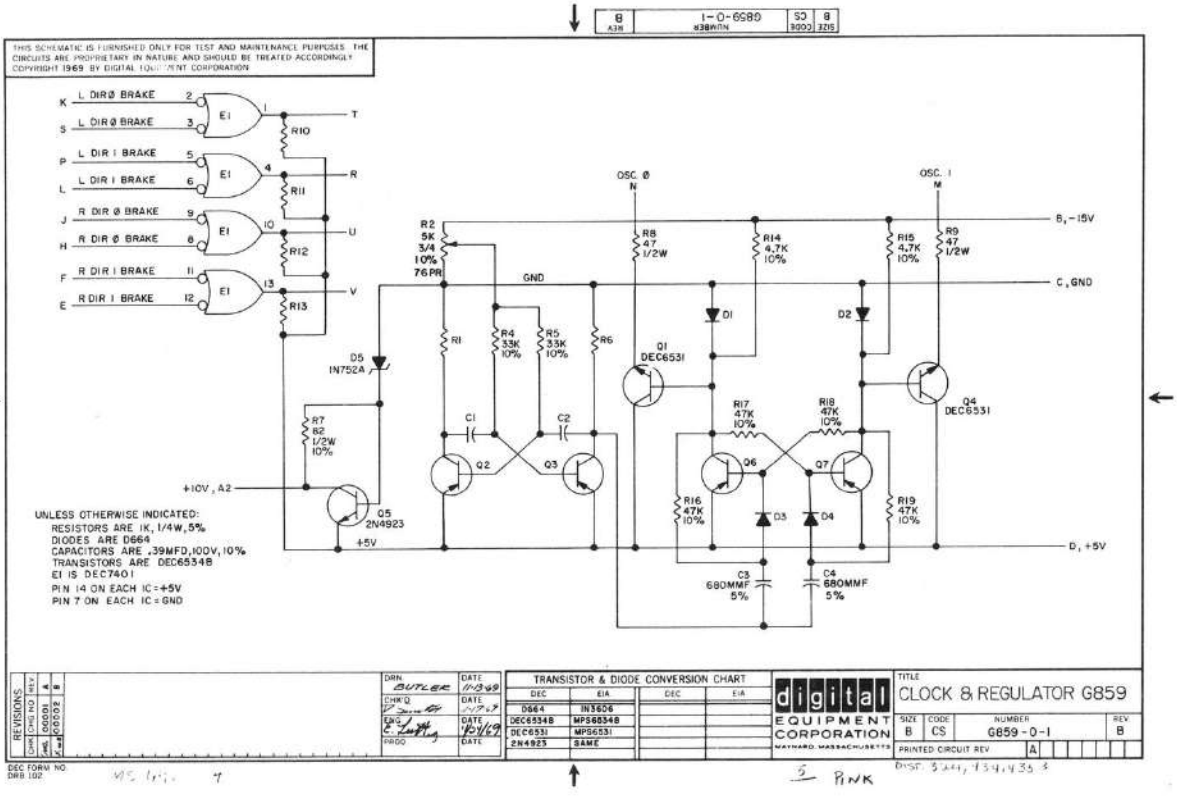
SIZE	CODE	NUMBER	REV.
B	CS	G853-0-1	A

PRINTED CIRCUIT REV. A

DEC FORM NO. DRB 102

DIST 324,474,453

PINK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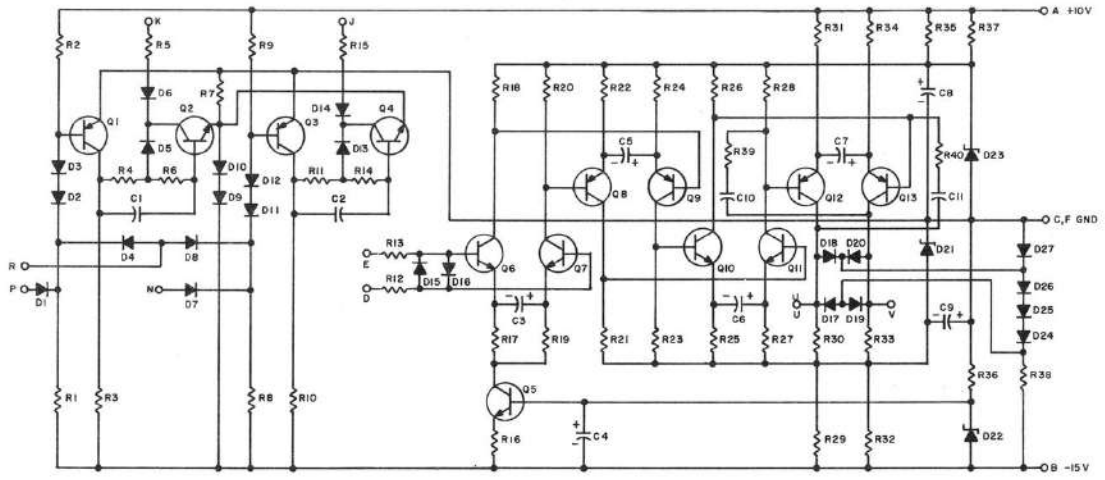
COPYRIGHT 1969 BY DIGITAL EQUIPMENT CORPORATION
L DIRØ BRAKE
L DIRØ BRAKE
L DIR I BRAKE
L DIR I BRAKE
R DIR Ø BRAKE
R DIR Ø BRAKE
R DIR I BRAKE
R DIR I BRAKE
E1
R10
R11
R12
R13
T
R
U
V
OSC. Ø
N
OSC. I
M
B, -15V
C, GND
D, +5V
R2
5K
3/4
10%
76PR
R8
47
1/2W
R14
4.7K
10%
R15
4.7K
10%
R9
47
1/2W
GND
D1
D2
R1
R4
33K
10%
R5
33K
10%
R6
Q1
DEC6531
Q4
DEC6531
D5
IN752A
R7
82
1/2W
10%
C1
C2
Q2
Q3
R17
47K
10%
R18
47K
10%
Q6
Q7
+10V, A2
Q5
2N4923
+5V
R16
47K
10%
D3
D4
R19
47K
10%
C3
680MMF
5%
C4
680MMF
5%
UNLESS OTHERWISE INDICATED:
RESISTORS ARE 1K, 1/4W, 5%
DIODES ARE D664
CAPACITORS ARE .39MFD, 100V, 10%
TRANSISTORS ARE DEC6534B
EI IS DEC7401
PIN 14 ON EACH IC = +5V
PIN 7 ON EACH IC = GND
TRANSISTOR & DIODE CONVERSION CHART
DEC
EIA
D664
IN3606
DEC6534B
MPS6534B
DEC6531
MPS6531
2N4923
SAME
digital
EQUIPMENT
CORPORATION
MAYNARD, MASSACHUSETTS
TITLE
CLOCK & REGULATOR G859
SIZE
B
CODE
CS
NUMBER
G859-0-1
REV
B
PRINTED CIRCUIT REV
A
REVISIONS
DRN
BUTLER
CHK'D
ENG
PROD
DATE
DEC FORM NO.
DRB 102



REFERENCE DESIGNATION	DESCRIPTION	PART NO.
	PARTS LIST	A-PL-G882-0-0
D5, D6, D13, D14	DIODE D670	1102162
D2, D3, D11, D12, D24 THRU D27	DIODE D662	1100113
D1, D4, D7 THRU 10, D15 THRU D20	DIODE D664	1100114
C10, C11	CAP. 1,200 MMF 100V 5% D.M.	1002430
C5	CAP. 2.2 MFD 20V 10%	1002627
C4, C6, C7, C8, C9	CAP. 3.9 MFD 10V 10% S.TANT	1000064
C3	CAP. .47 MFD 20V 10% S.TANT	1005965
C1, C2	CAP. 680 MMF 100V 5% D.M.	1000026
D23	DIODE 1/4M 6.8AZ	1100102
D22	DIODE IN748 3.9V	1100121
D21	DIODE IN756A 8.2V	1103441
R12, R13	RES. 220 1/4W 5% CC	1300271
R6, R14, R35, R37	RES. 560 1/4W 5% CC	1301890
R5, R15	RES. 68 2W 5% CC	1302308
R4, R11	RES. 750 1/4W 5% CC	1301401
R3, R7, R10, R6, R22, R24, R29, R31, R32, R34	RES. 1.5K 1/4W 5% CC	1300391
R2, R9	RES. 100K 1/4W 5% CC	1302466
R1, R8	RES. 7.5K 1/4W 5% CC	1301422
R30, R33 R17 THRU R21, R23, R25 THRU R28,	RES. 3K 1/4W 5% CC	1300432
R36, R38	RES. 470 1/2W 10% CC	1300318
R39	RES. 120 1/4W 5% CC	1300247
R40	TRANSISTOR DEC2894-38-S	1503099
Q2, Q4	TRANSISTOR DEC3500-S	1503209
Q5	TRANSISTOR DEC3009A-S	1501999
Q6, Q7, Q10, Q11	TRANSISTOR DEC3009B-S	1503100
Q8, Q9, Q12, Q13	TRANSISTOR DEC36388	1502979

PARTS LIST

REVISIONS			
CHK. CHG. NO.	REV.		
BMS 6698	3		
REV. 6 REDR.	D		
BMS 6698			

DRN. A.DUELLETTE	DATE 2-8-66	
CHK'D R. SILVERMAN	DATE 2-9-66	
ENG. R. BOEGE	DATE 2-9-66	
PROD.	DATE	

TRANSISTOR & DIODE CONVERSION CHART

DEC	EIA	DEC	EIA
DEC36388	2N3638	D662	IN645
DEC3009B, A	2N3009	D664	IN3606
1/4W 6.8AZ	IN4099	D670	IN3653
DEC3500	2N3500	IN756A	SAME
DEC2894-38	NONE	IN748	SAME

digital EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS

TITLE MANCHESTER READER WRITER G882

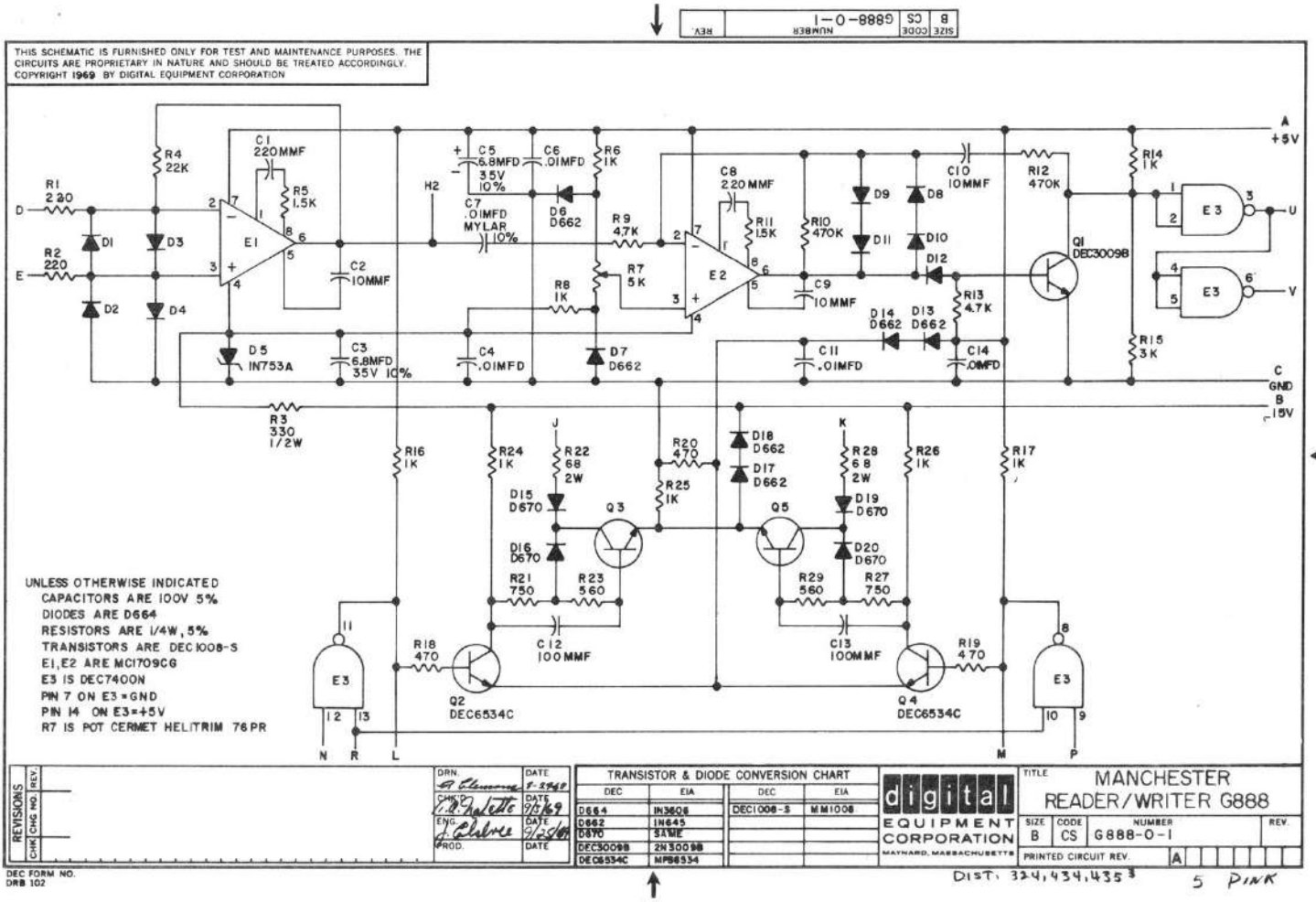
SIZE	CODE	NUMBER	REV.
C	CS	G882-0-1	D

PRINTED CIRCUIT REV. B

PINK

DIST. 324 434 4437 369

DEC FORM NO. DRC 102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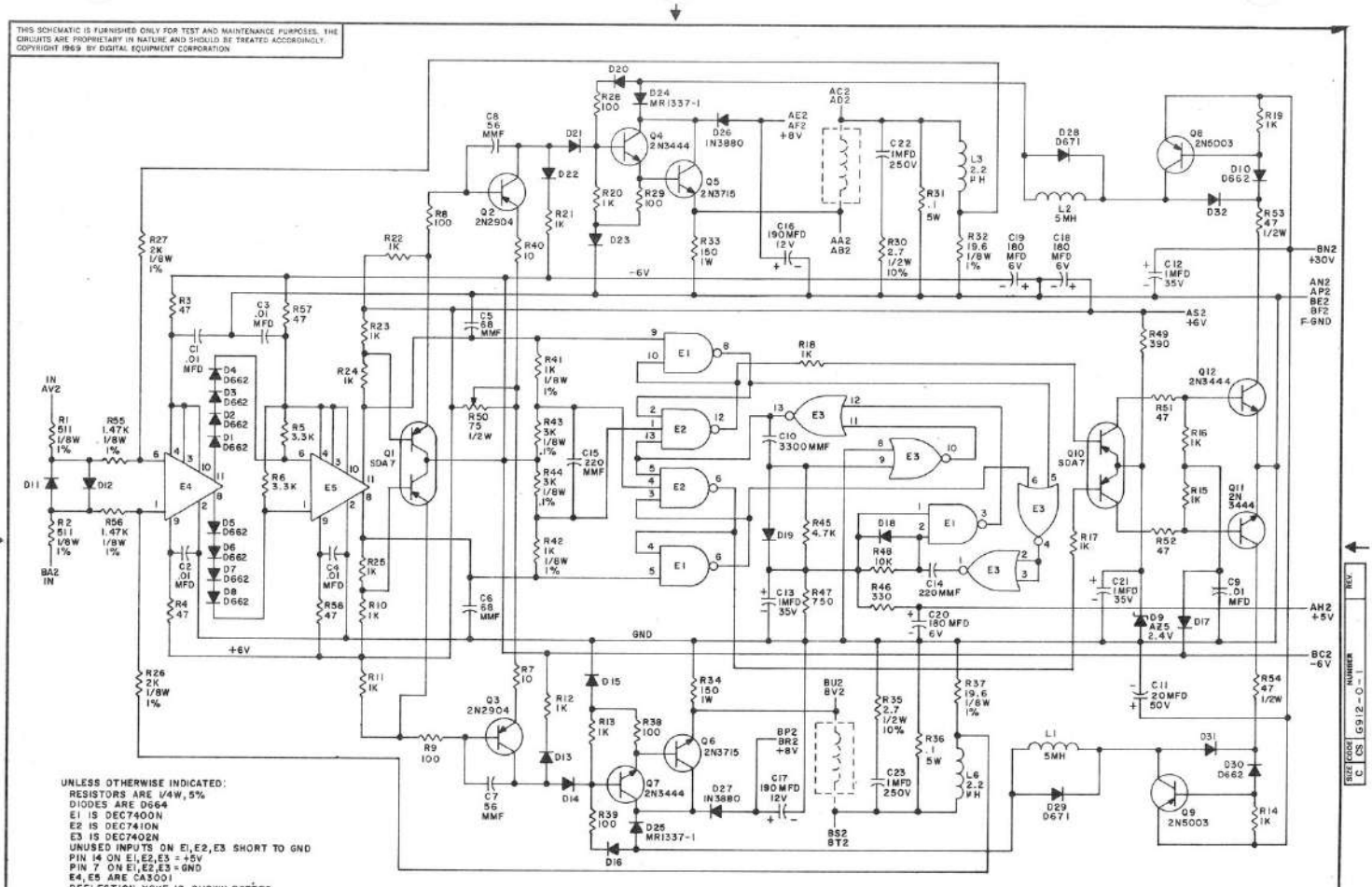
COPYRIGHT 1969 BY DIGITAL EQUIPMENT CORPORATION
SIZE B CODE CS NUMBER G888-0-1 REV.
A +5V
C GND
B -15V
D
E
R1 220
R2 220
R4 22K
C1 220MMF
R5 1.5K
D1
D2
D3
D4
E1
C2 10MMF
D5 IN753A
C3 6.8MFD 35V 10%
C4 .01MFD
C5 6.8MFD 35V 10%
C6 .01MFD
C7 .01MFD MYLAR 10%
H2
D6 D662
R6 1K
D7 D662
R8 1K
R9 4.7K
R7 5K
E2
C8 220MMF
R11 1.5K
R10 470K
C9 10MMF
D9
D11
D8
D10
D12
C10 10MMF
R12 470K
R13 4.7K
D14 D662
D13 D662
C11 .01MFD
C14 .01MFD
Q1 DEC30098
R14 1K
R15 3K
E3
U
V
R3 330 1/2W
R16 1K
R17 1K
J
K
R24 1K
R22 68 2W
R20 470
R25 1K
D15 D670
D16 D670
Q3
D18 D662
D17 D662
Q5
R28 68 2W
R26 1K
D19 D670
D20 D670
R21 750
R23 560
R29 560
R27 750
C12 100MMF
C13 100MMF
R18 470
R19 470
Q2 DEC6534C
Q4 DEC6534C
N R L M P
UNLESS OTHERWISE INDICATED
CAPACITORS ARE 100V 5%
DIODES ARE D664
RESISTORS ARE 1/4W, 5%
TRANSISTORS ARE DEC1008-S
E1,E2 ARE MC1709CG
E3 IS DEC7400N
PIN 7 ON E3 = GND
PIN 14 ON E3 = +5V
R7 IS POT CERMET HELITRIM 76PR
REVISIONS
DRN. D. Clemens 1-3-69
CHK'D L.A. Paquette 9/15/69
ENG. J. Delvac 9/15/69
PROD. DATE
TRANSISTOR & DIODE CONVERSION CHART
DEC EIA DEC EIA
D664 IN3606 DEC1008-S MM1008
D662 IN645
D670 SAME
DEC30098 2N3009B
DEC6534C MPS6534
digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS
TITLE MANCHESTER READER/WRITER G888
SIZE B CODE CS NUMBER G888-0-1 REV.
PRINTED CIRCUIT REV. A
DEC FORM NO. DRB 102
DIST: 324,434,435
5 PINK



UNLESS OTHERWISE INDICATED:
RESISTORS ARE 1/4W, 5%
DIODES ARE D664
E1 IS DEC7400N
E2 IS DEC7410N
E3 IS DEC7402N
UNUSED INPUTS ON E1,E2,E3 SHORT TO GND
PIN 14 ON E1,E2,E3 = +5V
PIN 7 ON E1,E2,E3 = GND
E4, E5 ARE CA3001
DEFLECTION YOKE IS SHOWN DOTTED
PINS AE2, AF2 ARE CONNECTED TO BP2, BR2 WHEN BOARD IS PLUGGED INTO UNIT

TRANSISTOR & DIODE CONVERSION CHART		2N2904	SAME
DEC	EIA	DEC	EIA
D662	IN645	2N3715	NONE
D664	IN3606	SOA7	SAME
D671	IN3613	2N3444	NONE
IN3880	SAME	2N5003	NONE
MR1337-1	NONE	AZ5 2.4V	NONE

REVISIONS	CHG NO.	REV.

DRN. M. Miller	DATE 6-10-69	
CHK'D	DATE 6-19-69	
ENG.	DATE	
PROD.	DATE 9-7-67	

digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS

TITLE: DEFLECTION AMPLIFIER G912

SIZE	CODE	NUMBER	REV.
C	CS	G912-0-1	

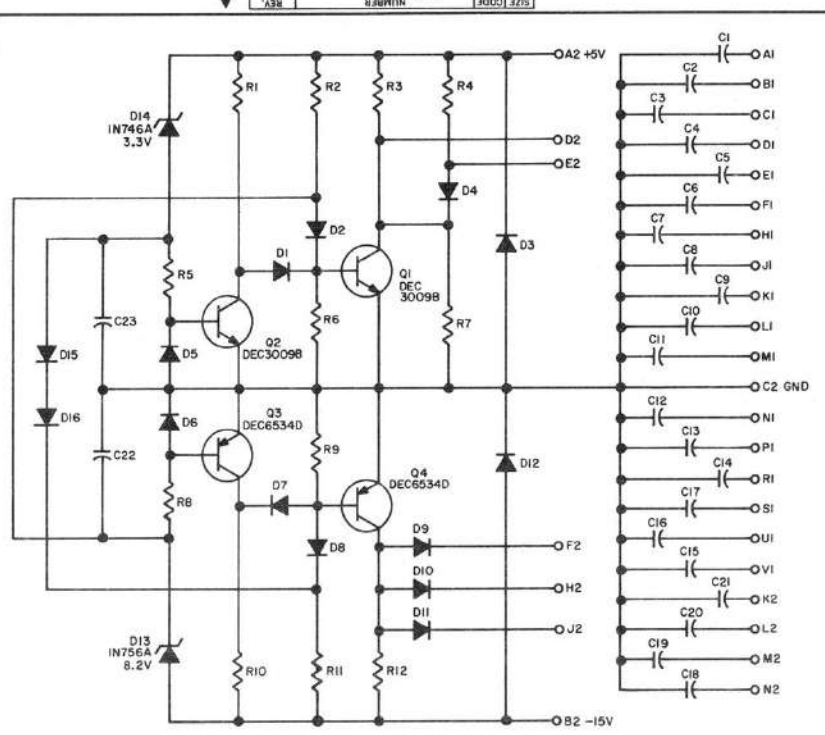
PRINTED CIRCUIT REV. B

SIZE C | CODE CS | NUMBER G912-0-1 | REV.

DEC FORM NO. DRC 102

5 DIST. 324, 434, 435

D. NEW



UNLESS OTHERWISE INDICATED:
DIODES ARE D664
CAPACITORS ARE .01 MFD
RESISTORS ARE 2K, 1/4W, 5%

TRANSISTOR & DIODE CONVERSION CHART			
DEC	EIA	DEC	EIA
DEC3009B	2N3009B		
DEC6534D	MPS6534		
D664	IN3606		

DRN. BUTLER	DATE 4/25/69	
CHK'D M. Moorhead	DATE 5-5-69	
ENG. R. Schweyer	DATE 6/16/69	
PROD. R. Schweyer	DATE 6/16/69	

digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS

TITLE POWER DETECTOR AND SWITCH FILTER G916

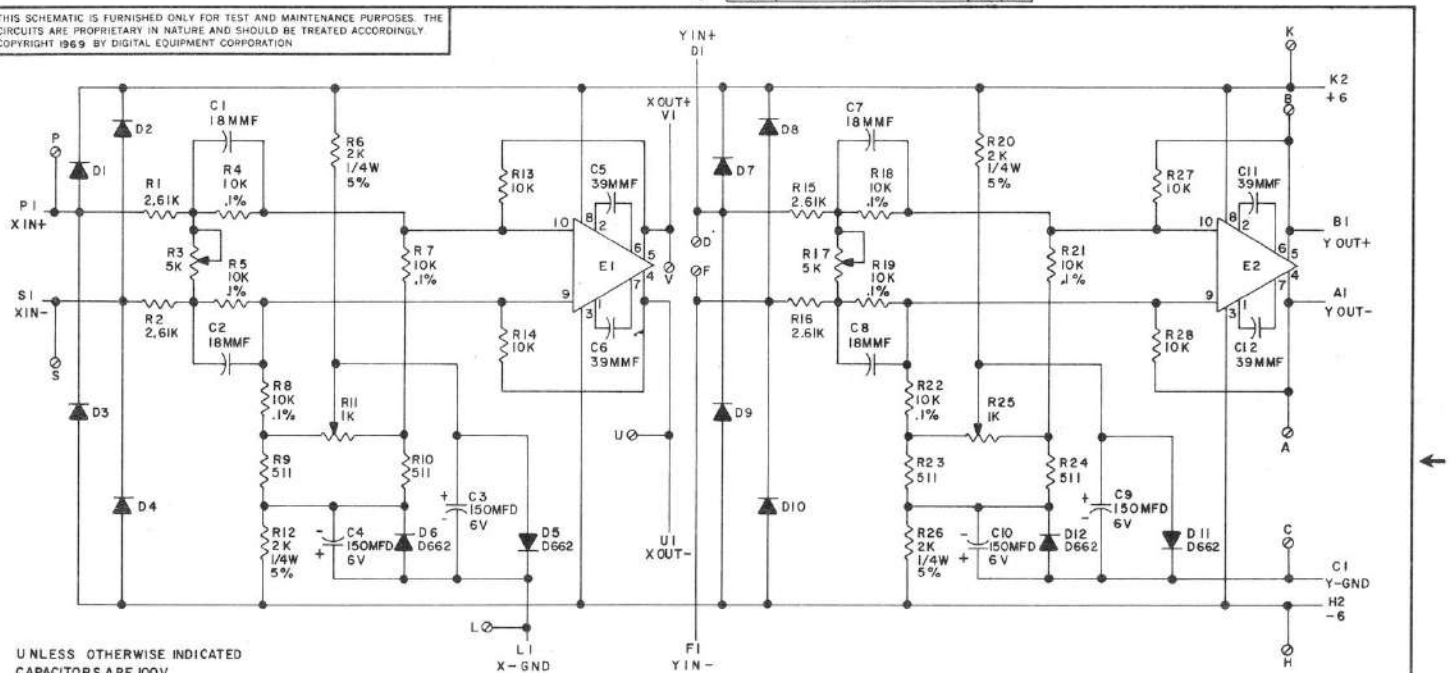
SIZE	CODE	NUMBER	REV.
B	CS	G916-0-1	

PRINTED CIRCUIT REV. A

DEC FORM NO. DRB 102

5 DISTI 324, 434, 435 3 PINK

SIZE	CODE	NUMBER	REV
B	CS	G917-0-1	



UNLESS OTHERWISE INDICATED
CAPACITORS ARE 100V
DIODES ARE D 664
E1,E2 ARE MC1520G OP-AMP
R3,R17 ARE ASM 6666
R11,R25 ARE ASM 6664
RESISTORS ARE 1/8W, 1%

REVISIONS	CHK	CHG NO	REV.

DRN.		DATE 6-6-67
CHK'D	M. Marshall	DATE 6-12-67
ENG.		DATE
PROD.		DATE 8-7-67

TRANSISTOR & DIODE CONVERSION CHART

DEC	EIA	DEC	EIA
D662	IN645		
D664	IN3606		

digital EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS

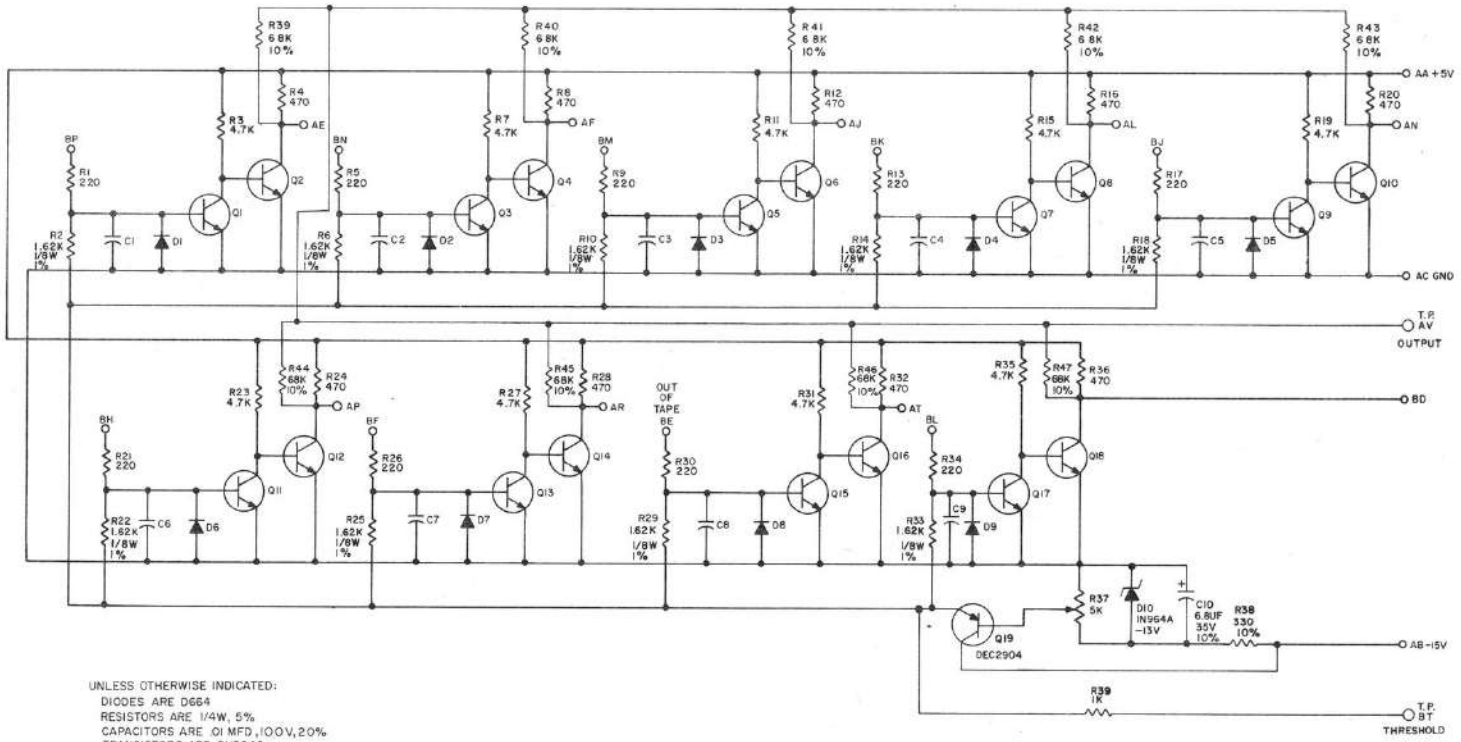
TITLE: XY-CONTROL
G917

SIZE	CODE	NUMBER	REV.
B	CS	G917-0-1	

PRINTED CIRCUIT REV. A

DEC FORM NO.
DRB 102

DIST. 324, 434, 435 J Diak



UNLESS OTHERWISE INDICATED:
DIODES ARE D664
RESISTORS ARE 1/4W, 5%
CAPACITORS ARE .01 MFD, 100V, 20%
TRANSISTORS ARE 2N3646

○ INDICATES TEST POINT

REVISIONS			
CHK	CHG NO	REV	
	10001	A	
	10002		
	10003	B	

DRN. R.BUTLER DATE 6/1/69
CHK'D C.Young DATE 6/10/69
ENG R.Abel DATE 6/11/69
PROD. DATE

TRANSISTOR & DIODE CONVERSION CHART

DEC	EIA	DEC	EIA
2N3646	2N3009	IN964A -13 V	SAME
D664	IN3606	DEC2904	2N1132

digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS

TITLE PHOTO TRANSISTOR AMPLIFIER G918

SIZE	CODE	NUMBER	REV
C	CS	G918-0-1	B

PRINTED CIRCUIT REV. D

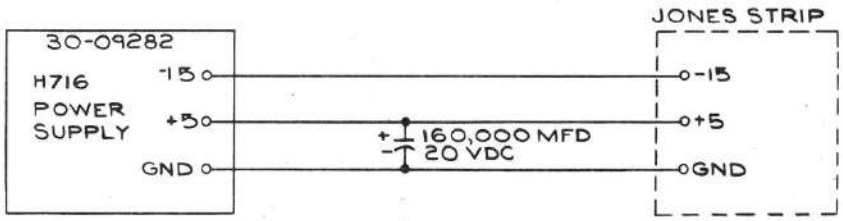
DEC FORM NO. DRC 102

5-

DIST. 524,454,472

VAK

SIZE	CODE	NUMBER	REV.
B	CS	H719-0-1	



REVISIONS

CHK	CHG NO.	REV

DRN. J. Ferguson	DATE 4-29-69	
CHK'D	DATE 5-8-69	
ENG.	DATE	
PROD.	DATE 6-6-69	

TRANSISTOR & DIODE CONVERSION CHART

DEC	EIA	DEC	EIA

digital
EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS

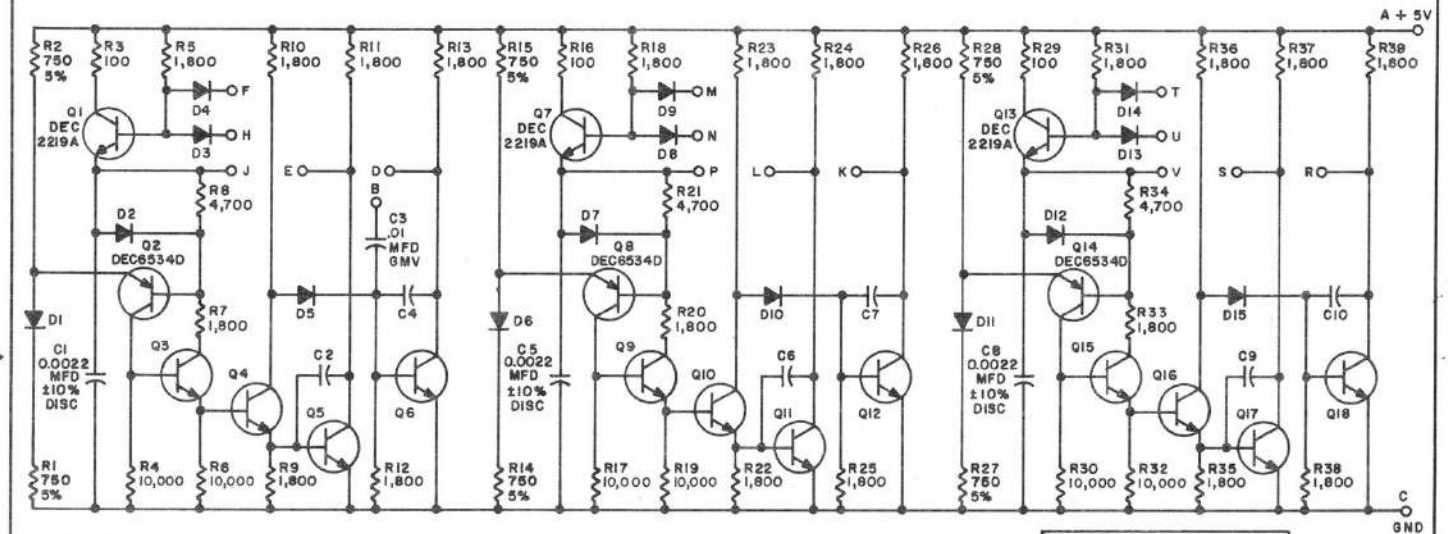
TITLE: H719 P. S.

SIZE	CODE	NUMBER	REV.
B	CS	H719-0-1	

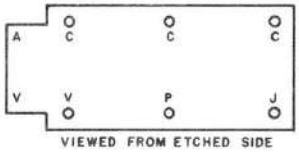
PRINTED CIRCUIT REV.

DEC FORM NO.
DRB 102

SIZE B | CODE CS | NUMBER K303-0-1 | REV C



UNLESS OTHERWISE INDICATED:
TRANSISTORS ARE DEC1
DIODES ARE D600
RESISTORS ARE 1/4W, 10%
CAPACITORS ARE 680 MMFD ±10%
ERIE 309 OR EQUIV.



VIEWED FROM ETCHED SIDE

PARTS LIST IS A-PL- K303-0-0

REVISIONS	REV	CHG NO	CHK
	B	8437	
	C	00001	

DRN. M. Mallen	DATE 4-18-67	
CHK'D R. Stevenson	DATE 9/20/67	
ENG. R. Doar	DATE 9/27/67	
PROD. 1	DATE	

TRANSISTOR & DIODE CONVERSION CHART

DEC	EIA	DEC	EIA
DEC1	2N3721		
DEC6534D	MP86534		
D600	IN4009		
DEC2219A	2N2219		

digital EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS

TITLE: THREE TIMERS K303

SIZE	CODE	NUMBER	REV.
B	CS	K303-0-1	C

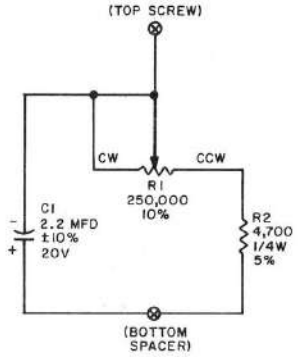
PRINTED CIRCUIT REV. B

DEC FORM NO. DRB 102

DIST. 324, 434, 435

PINK

SIZE	CODE	NUMBER	REV.
B	CS	K374-0-1	A



UNLESS OTHERWISE INDICATED:
R1 IS ALLEN-BRADLEY TSRA2541
MODIFIED CLOCKWISE LOG TAPER
C1 IS A SPRAGUE 150D225X9020A2 OR EQUIV.

REVISIONS: CHR	CHG NO.	REV
LAW	00001	A

DRN.	M. Wallen	DATE 5-4-67
CHK'D	F. Silverman	DATE 5/5/67
ENG.	R. Doyle	DATE 5/22/67
PROD.		DATE

TRANSISTOR & DIODE CONVERSION CHART			
DEC	EIA	DEC	EIA

digital EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS

TITLE CALIBRATED TIMER CONTROL K374

SIZE	CODE	NUMBER	REV.
B	CS	K374-0-1	A

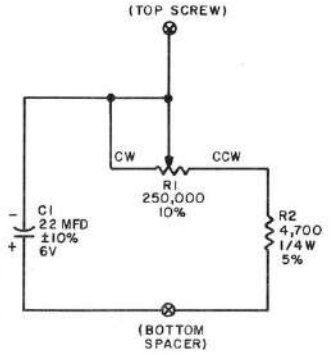
PRINTED CIRCUIT REV. A B C

DEC FORM NO.
DRB 102

5 PINK

DIST. 324, 434, 435 3

SIZE	CODE	NUMBER	REV.
B	CS	K376-0-1	A



UNLESS OTHERWISE INDICATED:
R1 IS ALLEN-BRADLEY TSRA2541
MODIFIED CLOCKWISE LOG TAPER
C1 IS SPRAGUE 150D226X9006A2 OR EQUIV.

REVISIONS	CHK	CHG. NO.	REV.
		00001	A

DRN. M. Waller	DATE 5-4-67	
CHK'D	DATE 5/5/67	
ENG.	DATE 5/22/67	
PROD.	DATE	

TRANSISTOR & DIODE CONVERSION CHART

DEC	EIA	DEC	EIA

digital EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS

TITLE CALIBRATED TIMER CONTROL K376

SIZE	CODE	NUMBER	REV.
B	CS	K376-0-1	A

PRINTED CIRCUIT REV. B C

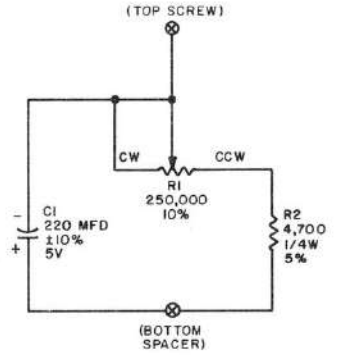
DEC FORM NO.
DRB 102

5

DIST. 324,434,4353

P, NR

SIZE	CODE	NUMBER	REV
B	CS	K378-0-1	A



UNLESS OTHERWISE INDICATED:
R1 IS ALLEN-BRADLEY TSRA2541
MODIFIED CLOCKWISE LOG TAPER
C1 IS SPRAGUE 130D227X9005F0 OR EQUIV.

REVISIONS			
CHK	CHG NO.	REV.	
24-Aug	C00001	A	

DRN.	M. Waller	DATE 5-4-67
CHK'D	R. Anderson	DATE 5/5/67
ENG.	R. Doane	DATE 5/11/67
PROD.		DATE

TRANSISTOR & DIODE CONVERSION CHART

DEC	EIA	DEC	EIA

digital EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS

TITLE CALIBRATED TIMER CONTROL K378

SIZE	CODE	NUMBER	REV.
B	CS	K378-0-1	A

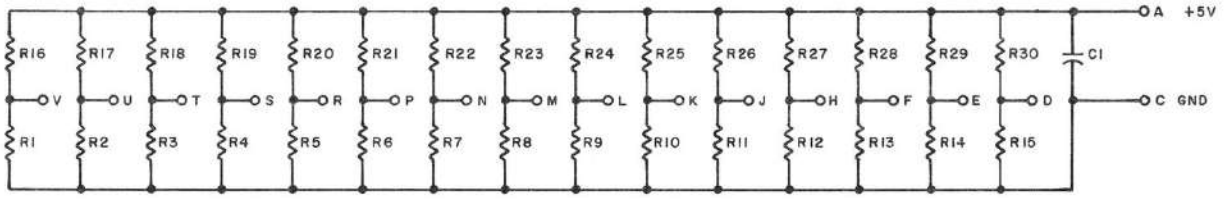
PRINTED CIRCUIT REV. B C

DEC FORM NO.
DRB 102

5 PINK

DIST. 324, 434, 435 3

SIZE	CODE	NUMBER	REV.
B	CS	M002-0-1	



REFERENCE DESIGNATION	DESCRIPTION	PART NO.
	PARTS LIST	
R16 - R30	RES. 1.8K 1/4W 10% CC	1301428
R1 - R15	RES. 3.3K 1/4W 5% CC	1300439
C1	CAP. .01MFD 100V 20% DISC	1001610
	PARTS LIST	A-PL-M002-0-0

PARTS LIST

REVISIONS			
REV			
CHG NO.			
CHK			

DRN. M. Walker	DATE 6-21-68	
CHK'D W. Miller	DATE 6/4/68	
ENG. D. Roberts	DATE 7/5/68	
PROD.	DATE	

TRANSISTOR & DIODE CONVERSION CHART

DEC	EIA	DEC	EIA

digital
EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS

TITLE: 15 LOADS M002

SIZE	CODE	NUMBER	REV.
B	CS	M002-0-1	

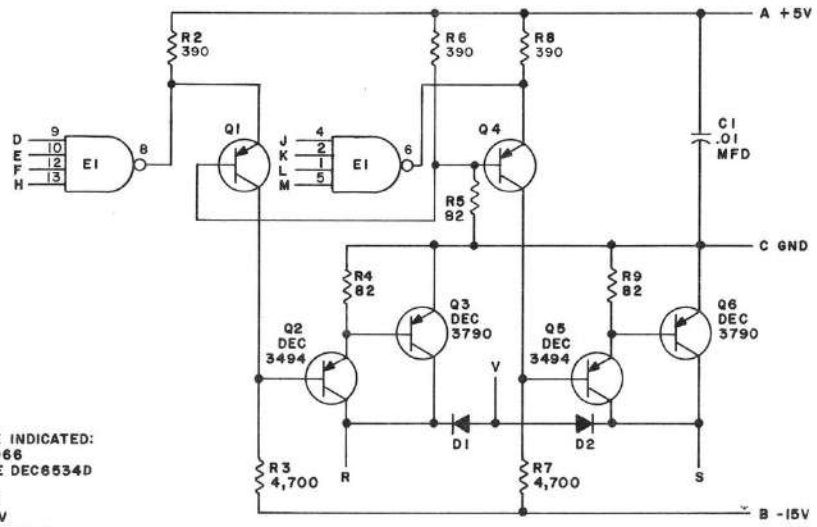
PRINTED CIRCUIT REV. A

DIST. 324 434 435

PINK

DEC FORM NO.
DRB 102

SIZE	CODE	NUMBER	REV.
B	CS	M040-0-1	E



UNLESS OTHERWISE INDICATED:
DIODES ARE MR2066
TRANSISTORS ARE DEC6534D
E1 IS DEC7420N
PIN 7 ON IC = GND
PIN 14 ON IC = +5V
RESISTORS ARE 1/4W, 10%

PARTS LIST A-PL-M040-0-0

REVISIONS	CHK	CHG NO.	REV
		00001	E
		00002	

DRN. M. Keller	DATE 9-19-67	
CHK'D	DATE 5/22/67	
ENG	DATE 5/19/67	
PROD.	DATE	

TRANSISTOR & DIODE CONVERSION CHART

DEC	EIA	DEC	EIA
DEC3494	SAME		
DEC3790	2N3790		
DEC6534D	MPS6534		
D662	IN645		
MR2066	IN4003		

digital EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS

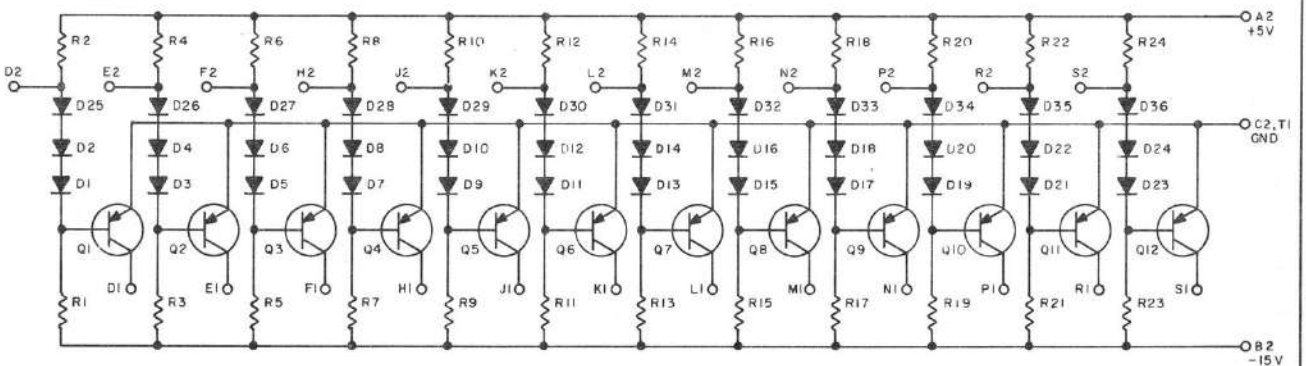
TITLE: SOLENOID DRIVER M040

SIZE	CODE	NUMBER	REV.
B	CS	M040-0-1	E

PRINTED CIRCUIT REV. E

DEC FORM NO. DRB 102

5 DIST. 224, 334, 426[3] PINK



Q1-Q12	TRANSISTOR DEC3639B	1502762
R20, R22, R24 R2, R4, R6, R8, R10, R12, R14, R16, R18	RES. 1.5K 1/4W 5% CC	1300391
R21, R23 R1, R3, R5, R7, R9, R11, R13, R15, R17, R19,	RES. 15K 1/4W 5% CC	1300496
D1-D36	DIODE D664	1100114
	PARTS LIST	A PL-M050-0-0
REFERENCE DESIGNATION	DESCRIPTION	PART NO.

PARTS LIST

REVISIONS			
CHK	CHG NO	REV	

DRN	M. Keller	DATE 10-23-68
CHK'D	M. Mallon	DATE 10-28-68
ENG	[illegible]	DATE 12/1/68
PROD		DATE

TRANSISTOR & DIODE CONVERSION CHART

DEC	EIA	DEC	EIA
DEC3639B	2N3639		
D664	1N3606		

digital
EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS

TITLE: LEVEL CONVERTER M051

SIZE	CODE	NUMBER	REV
B	CS	M051-0-1	

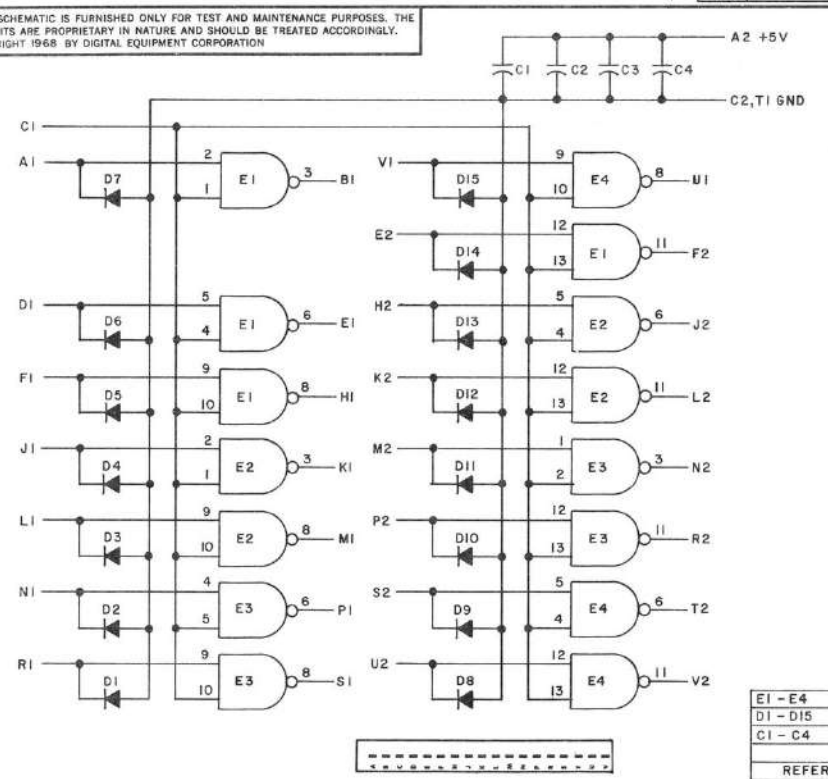
PRINTED CIRCUIT REV: A

DEC FORM NO. DRB 102

Dist: 324 434 435 2

(4)

PINK



REFERENCE DESIGNATION	DESCRIPTION	PART NO.
	PARTS LIST	A-PL-M101-0-0
C1 - C4	CAP. .01MFD 100V 20% DISC	1001610
D1 - D15	DIODE D664	1100114
E1 - E4	INTEGRATED CKT. DEC7400N	1905575

PARTS LIST

TRANSISTOR & DIODE CONVERSION CHART			
DEC	EIA	DEC	EIA
D664	IN3606		

REVISIONS			
CHK	CHG NO.	REV.	

DRN. M. Miller	DATE 8-5-68	
CHK'D	DATE 8-6-68	
ENG.	DATE	
PROD.	DATE	

digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS

TITLE: BUS DATA INTERFACE M101

SIZE	CODE	NUMBER	REV.
B	CS	M101-0-1	

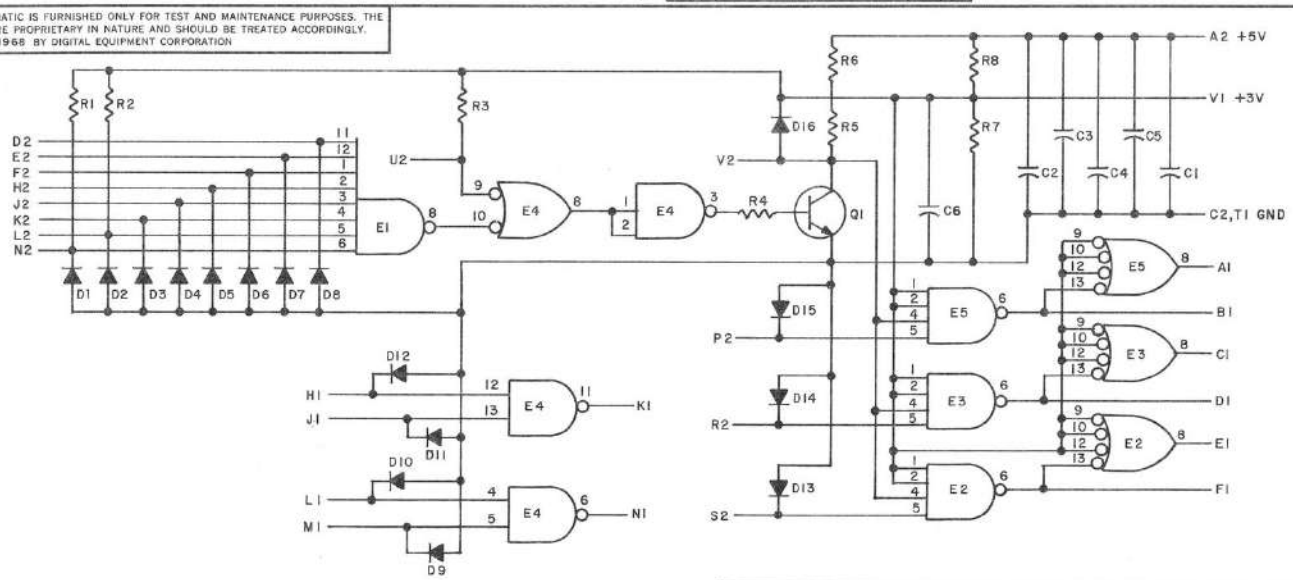
PRINTED CIRCUIT REV. A

DEC FORM NO. DRB 102

PINK

DIST. 324 437 435

SIZE	CODE	NUMBER	REV
B	CS	M103-0-1	A



Q1	TRANSISTOR DEC3009B-S	1503100
E4	INTEGRATED CKT. DEC7400N	1905575
E2, E3, E5	INTEGRATED CKT. DEC74H40N	1905586
E1	INTEGRATED CKT. DEC7430N	1905578
R8	RES. 330 1/4W 5% CC	1300295
R4-R7	RES. 750 1/4W 5% CC	1301401
R1, R2, R3	RES. 8.2K 1/4W 5% CC	1303179
D1-D16	DIODE D664	1100114
C1-C6	CAP. .01MFD 100V 20% DISC	1001610
	PARTS LIST	A-PL-M103-0-0
REFERENCE DESIGNATION	DESCRIPTION	PART NO.

PARTS LIST

REVISIONS			
CHK	CHG NO	REV.	
	10001	A	

DRN. M Dellen	DATE	10-9-68
CHK'D A Yuniyet	DATE	3-12-69
ENG. W Laughlin	DATE	3/17/69
PROD.	DATE	

TRANSISTOR & DIODE CONVERSION CHART

DEC	EIA	DEC	EIA
DEC3009B	2N3009		
D664	IN3606		

digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS

TITLE: DEVICE SELECTOR M103

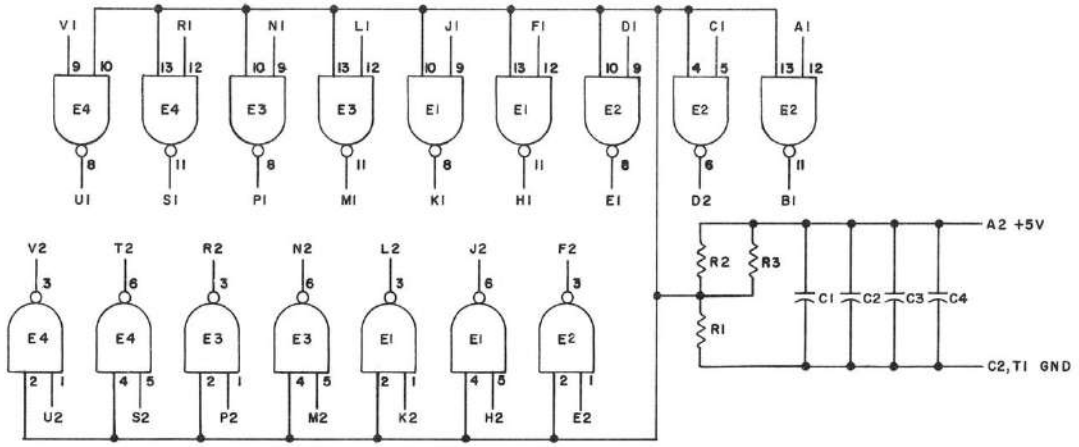
SIZE	CODE	NUMBER	REV.
B	CS	M103-0-1	A

PRINTED CIRCUIT REV. B

DEC FORM NO. DRB 102

PINK

SIZE	CODE	NUMBER	REV.
B	CS	M111-0-1	A



NOTES:
PIN 7 ON EACH IC = GND
PIN 14 ON EACH IC = +5V

REFERENCE DESIGNATION	DESCRIPTION	PART NO.
	PARTS LIST	A-PL-M111-0-0
C1-C4	CAP. .01MFD 100V 20% DISC	1001610
R1-R3	RES. 750 1/4W 5% CC	1301401
E1-E4	INTEGRATED CKT. DEC7400N	1905575

PARTS LIST

REVISIONS	CHK	CHG NO.	REV.
		00001	A

DRN. M. Keller	DATE	5-31-68
CHK'D M. Keller	DATE	6/11/68
ENG.	DATE	
PROD.	DATE	

TRANSISTOR & DIODE CONVERSION CHART

DEC	EIA	DEC	EIA

digital EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS

TITLE: INVERTER M111

SIZE	CODE	NUMBER	REV.
B	CS	M111-0-1	A

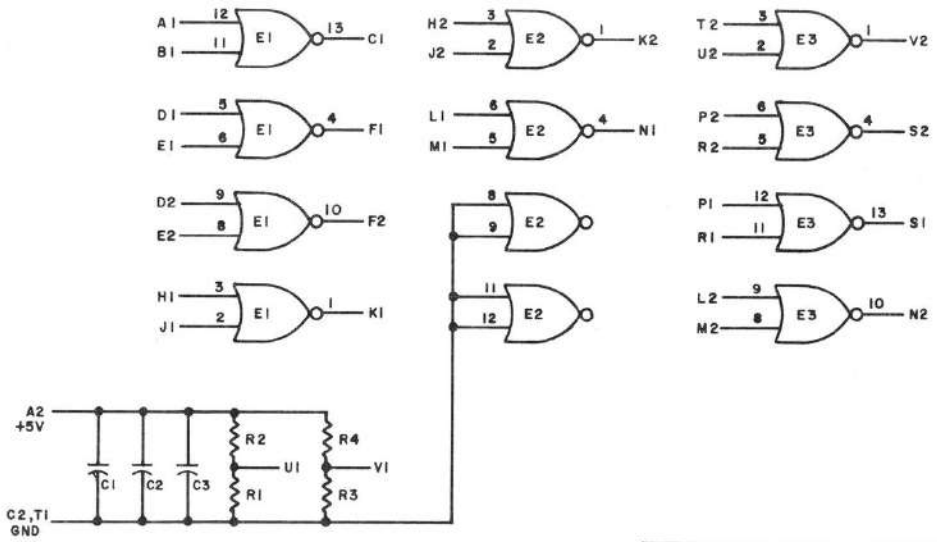
PRINTED CIRCUIT REV. C

DEC FORM NO.
DRB 102

5 PINK

DIST 434 435 324

SIZE	CODE	NUMBER	REV
B	CS	M112-0-1	D



NOTES:
PIN 7 ON EACH IC = GND
PIN 14 ON EACH IC = +5V

REFERENCE DESIGNATION	DESCRIPTION	PART NO.
	PARTS LIST	
C1,C2,C3	CAP. .01MFD 100V 20% DISC	1001610
E1,E2,E3	INTEGRATED CKT. DEC7402N	1909004
R2,R4	RES. 330 1/4W 5% CC	1300295
R1,R3	RES. 750 1/4W 5% CC	1301401

PARTS LIST A-PL-M112-0-0

REVISIONS	CHK	CHG NO.	REV
	MM	00001	A
	[illegible]	00002	C
	[illegible]	00003	D

DRN. M. Waller	DATE	2-20-68
CHK'D	DATE	2/29/68
ENG. G. Ciarletta	DATE	3/7/68
PROD.	DATE	

TRANSISTOR & DIODE CONVERSION CHART			
DEC	EIA	DEC	EIA

digital EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS

TITLE: NOR GATE M112

SIZE	CODE	NUMBER	REV.
B	CS	M112-0-1	D

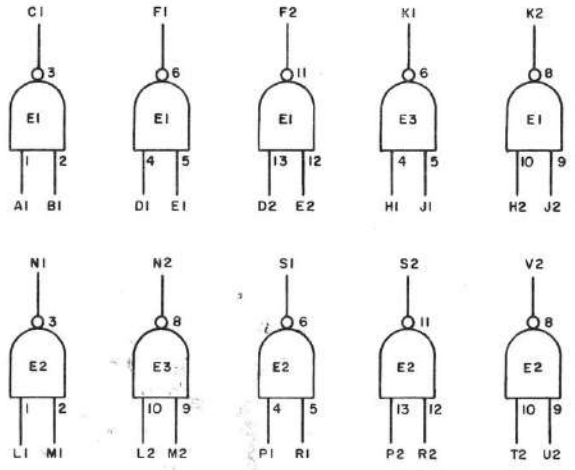
PRINTED CIRCUIT REV. D

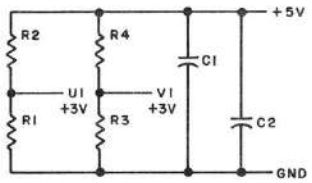
DEC FORM NO. DRB 102

DIST 324 434 435 (5) PINK

SIZE	CODE	NUMBER	REV
B	CS	M113-0-1	C

+5V —— A2
NOT USED −15V —— B2
GND —— C2, T1





NOTES:
PIN 7 ON EACH IC = GND
PIN 14 ON EACH IC = +5V

REFERENCE DESIGNATION	DESCRIPTION	PART NO.
	PARTS LIST	A-PL-M113-0-0
R1 AND R3	RES. 750 1/4W 5% CC	1301401
R2 AND R4	RES. 330 1/4W 10% CC	1300293
C1 AND C2	CAP. .01MFD 100V 20% DISC	1001610
E1 THRU E3	INTEGRATED CKT. DEC7400N	1905575

PARTS LIST

REVISIONS	CHR	CHG NO	REV
		6425	A
		6801	B
		00001	C

DRN.	M. Waller	DATE 3-15-67
CHK'D		DATE 4-21-67
ENG.	L. White	DATE 4-21-67
PROD.		DATE

TRANSISTOR & DIODE CONVERSION CHART

DEC	EIA	DEC	EIA

digital EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS

TITLE: 10-2 INPUT NAND GATES M113

SIZE	CODE	NUMBER	REV.
B	CS	M113-0-1	C

PRINTED CIRCUIT REV D

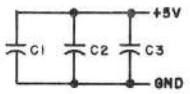
DEC FORM NO. DRB 102

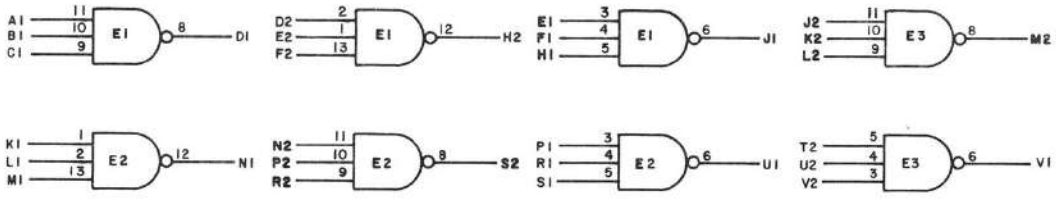
PINK

DIST. 324 434 435 21

SIZE	CODE	NUMBER	REV.
B	CS	M115-0-1	C

+5V — A2
NOT USED -15V — B2
GND — C2, T1





NOTES:
PIN 7 ON EACH IC = GND
PIN 14 ON EACH IC = +5V

REFERENCE DESIGNATION	DESCRIPTION	PART NO.
	PARTS LIST	A-PL-M115-0-0
C1 THRU C3	CAP. .01MFD 100V 20% DISC	1001610
E1 THRU E3	INTEGRATED CKT. DEC7410N	1905576

PARTS LIST

REVISIONS	CHK	CHG NO.	REV.
		5423	A
		6800	B
	MM	00001	C

DRN.	M. Waller	DATE 4-20-67
CHK'D		DATE 4-21-67
ENG.		DATE 4/21/67
PROD.		DATE

TRANSISTOR & DIODE CONVERSION CHART

DEC	EIA	DEC	EIA

digital EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS

TITLE: 8-3 INPUT NAND GATES M115

SIZE	CODE	NUMBER	REV.
B	CS	M115-0-1	C

PRINTED CIRCUIT REV. D

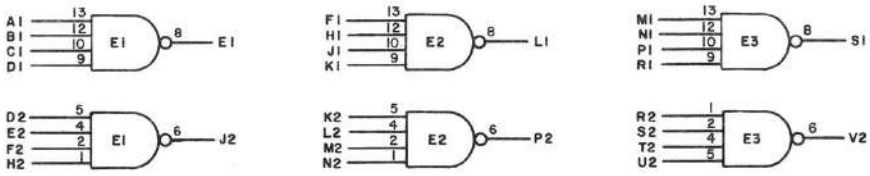
DEC FORM NO.
DAB 102

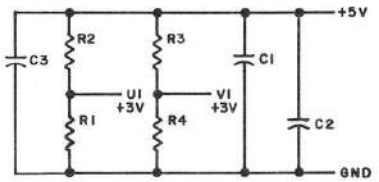
PINK

DIST. 324434638

SIZE	CODE	NUMBER	REV
B	CS	M117-0-1	E

+5V — A2
NOT USED -15V — B2
GND — C2, T1





NOTES:
PIN 7 ON EACH IC = GND
PIN 14 ON EACH IC = +5V

REFERENCE DESIGNATION	DESCRIPTION	PART NO.
	PARTS LIST	A-PL-M117-0-0
C1 THRU C3	CAP. .01MFD 100V 20% DISC	1001610
R2 & R3	RES. 330 1/4W 10% CC	1300293
R1 & R4	RES. 750 1/4W 5% CC	1301401
E1 THRU E3	INTEGRATED CKT. DEC7420N	1905577

PARTS LIST

REVISIONS	CHK	CHG NO	REV.
		6424	A
		6799	B
		00001	C
		00002	E

DRN. M. Waller	DATE	3-15-67
CHK'D	DATE	4-21-67
ENG. L. White	DATE	4-21-67
PROD.	DATE	

TRANSISTOR & DIODE CONVERSION CHART

DEC	EIA	DEC	EIA

digital EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS

TITLE: 6-4 INPUT NAND GATES M117

SIZE	CODE	NUMBER	REV.
B	CS	M117-0-1	E

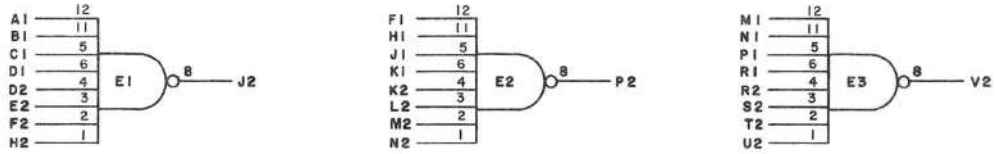
PRINTED CIRCUIT REV. E

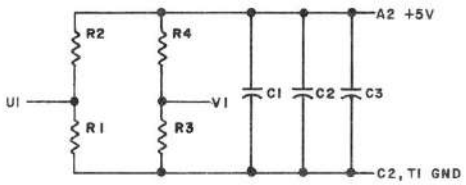
DIST. 324 434 443 3

DEC FORM NO. DRB 102

PINK

SIZE	CODE	NUMBER	REV.
B	CS	M119-0-1	B





NOTES:
PIN 7 ON EACH IC = GND
PIN 14 ON EACH IC = +5V

REFERENCE DESIGNATION	DESCRIPTION	PART NO.
	PARTS LIST	A-PL-M119-0-0
C1 THRU C3	CAP. .01MFD 100V 20% DISC	1001610
R1 & R3	RES. 750 1/4W 5% CC	1301401
R2 & R4	RES. 330 1/4W 10% CC	1300293
E1 THRU E3	INTEGRATED CKT. DEC7430N	1905578

PARTS LIST

REVISIONS		
CHK	CHG NO.	REV.
Rbd	6804	A
MM	00001	B

DRN. M. Waller	DATE	8-1-67
CHK'D R. Lebreman	DATE	8/4/67
ENG. Ella Pickett	DATE	8.11.67
PROD.	DATE	

TRANSISTOR & DIODE CONVERSION CHART			
DEC	EIA	DEC	EIA

digital
EQUIPMENT CORPORATION
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TITLE 3-8 INPUT NAND-GATES M119

SIZE	CODE	NUMBER	REV.
B	CS	M119-0-1	B

PRINTED CIRCUIT REV. C

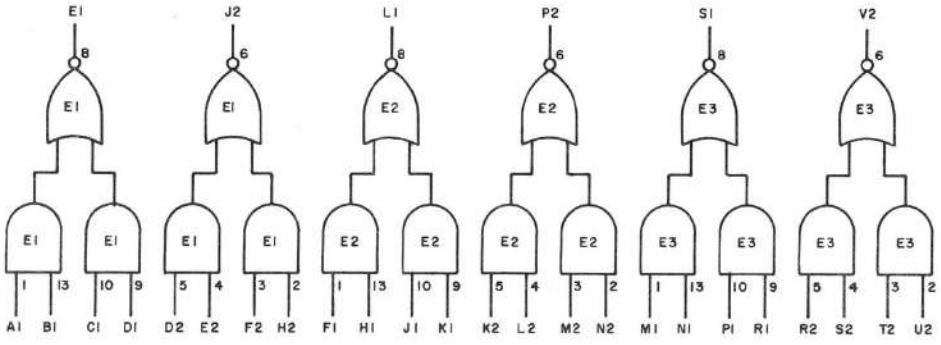
DIST. 324 434 435

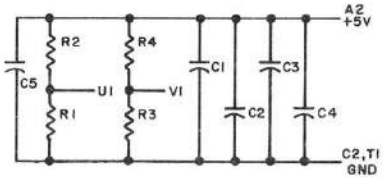
DEC FORM NO.
DRB 102

PINK

(3)

SIZE	CODE	NUMBER	REV
B	CS	M121-0-1	C





NOTES:
PIN 7 ON EACH IC = GND
PIN 14 ON EACH IC = +5V

REFERENCE DESIGNATION	DESCRIPTION	PART NO.
	PARTS LIST	
E1 THRU E3	INTEGRATED CKT. DEC7450N	1905580
R2 & R4	RES. 330 1/4W 10% CC	1300293
R1 & R3	RES. 750 1/4W 5% CC	1301401
C1 THRU C5	CAP. .01 MFD 100V 20% DISC	1001610
	PARTS LIST	A-PL-M121-0-0

REVISIONS	CHK	CHG NO.	REV.
		6802	A
		00001	B
		00002	C

DRN.	M. Walker	DATE 4-21-67
CHK'D		DATE 4-21-67
ENG.	J. White	DATE 4-21-67
PROD.		DATE

TRANSISTOR & DIODE CONVERSION CHART			
DEC	EIA	DEC	EIA

digital EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS

TITLE: AND-NOR GATE M121

SIZE	CODE	NUMBER	REV.
B	CS	M121-0-1	C

PRINTED CIRCUIT REV. D

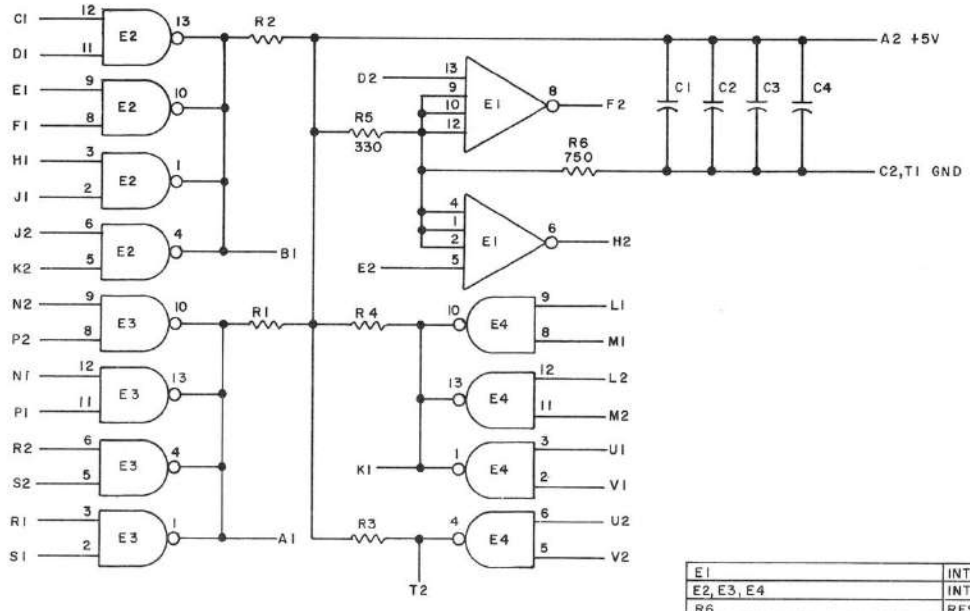
DEC FORM NO.
DRB 102

PINK

DIST 324/431/4353

C5

SIZE	CODE	NUMBER	REV.
B	CS	M141-0-1	B



NOTE:
PIN 7 ON EACH IC = GND
PIN 14 ON EACH IC = +5V

REFERENCE DESIGNATION	DESCRIPTION	PART NO.
	PARTS LIST	A-PL-M141-0-0
C1 THRU C4	CAP. .01MFD 100V 20% DISC	1001610
R1 THRU R4	RES. 1.5K 1/4W 5% CC	1300391
R5	RES. 330 1/4W 10% CC	1300293
R6	RES. 750 1/4W 5% CC	1301401
E2, E3, E4	INTEGRATED CKT. DEC7401N	1905590
E1	INTEGRATED CKT. DEC7420N	1905577

PARTS LIST

REVISIONS			
CHK'D	CHG NO.	REV.	
REV B REDRAWN	6803	A	B
	00001		

DRN.	M.HALLER	DATE 10-6-67
CHK'D	R.SILVERMAN	DATE 10-13-67
ENG.	L.WHITE	DATE 10-13-67
PROD.		DATE

TRANSISTOR & DIODE CONVERSION CHART

DEC	EIA	DEC	EIA

digital
EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS

TITLE: AND/NOR GATES M141

SIZE	CODE	NUMBER	REV.
B	CS	M141-0-1	B

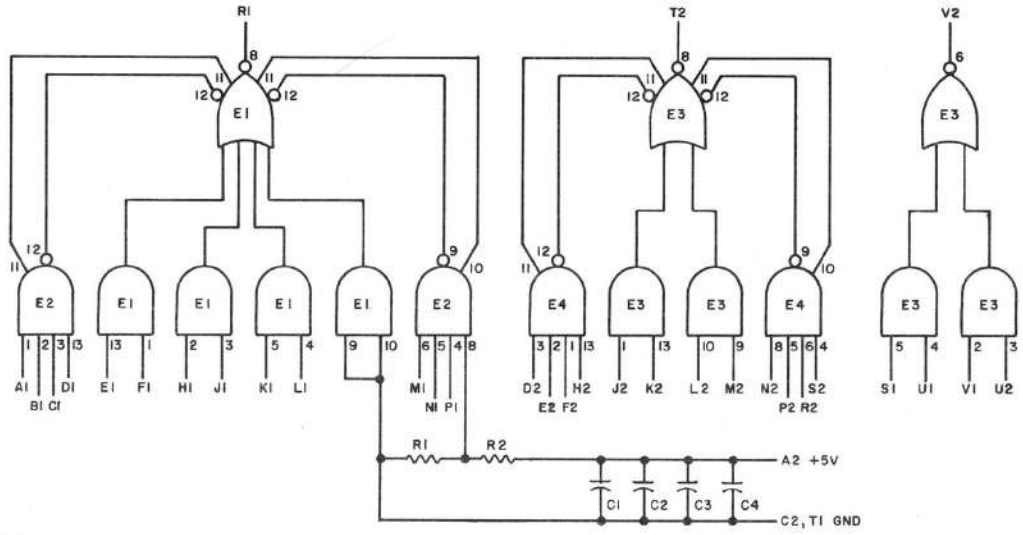
PRINTED CIRCUIT REV. C

DEC FORM NO. CHR 107

PINK

PNT 2311 9/18 0/65

SIZE	CODE	NUMBER	REV.
B	CS	M160-0-1	B



NOTES
PIN 7 ON EACH IC = GND
PIN 14 ON EACH IC = +5V

REFERENCE DESIGNATION	DESCRIPTION	PART NO.
	PARTS LIST	A-PL-M160-0-0
C1 THRU C4	CAP, .01MFD 100V 20% DISC	1001610
R2	RES. 4.7K 1/4W 10% CC	1300448
R1	RES. 6.8K 1/4W 10% CC	1300463
E2 & E4	INTEGRATED CKT. DEC7460N	1905581
E1	INTEGRATED CKT. DEC7453N	1905582
E3	INTEGRATED CKT. DEC7450N	1905580

PARTS LIST

REVISIONS	CHK	CHG NO.	REV.
		6807	A
		00001	B

		DATE
DRN.	Mr. Waller	4-24-67
CHK'D	[illegible]	5/1/67
ENG.	[illegible]	5/1/67
PROD.		DATE

TRANSISTOR & DIODE CONVERSION CHART

DEC	EIA	DEC	EIA

digital EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS

TITLE: GATE MODULE M160

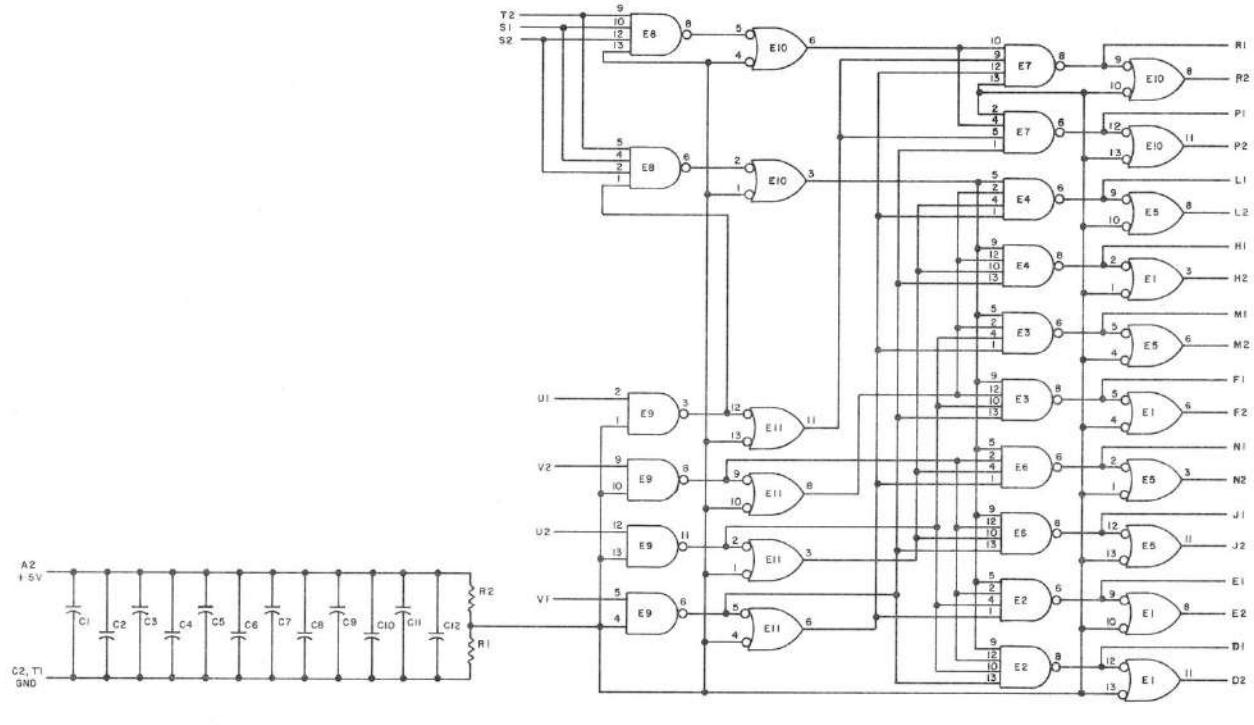
SIZE	CODE	NUMBER	REV.
B	CS	M160-0-1	B

PRINTED CIRCUIT REV. D

DIST 324 434 435

DEC FORM NO.
DRB 102

PINK



PIN 7 ON EACH IC = GND
PIN 14 ON EACH IC = +5V

REFERENCE DESIGNATION	DESCRIPTION	PART NO.
	PARTS LIST	A-PL-M161-0-0
E1, E5, E9, E10, E11	INTEGRATED CKT. DEC7400N	1905575
E2, E3, E4, E6, E7, E8	INTEGRATED CKT. DEC7420N	1905577
R2	RES 330 1/4W 10% CC	1300293
R1	RES. 750 1/4W 5% CC	1301401
C1 THRU C12	CAP. .01MFD 100V 20% DISC	1001610

PARTS LIST

REVISIONS		
CHG. NO.	DESCRIPTION	REV.
4578		A
10001		B

DRN.	M. Waller	DATE 5-12-67
CHK'D		DATE 5-17-67
ENG.		DATE 5-17-67
PROD.		DATE

TRANSISTOR & DIODE CONVERSION CHART

DEC	EIA	DEC	EIA

digital EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS

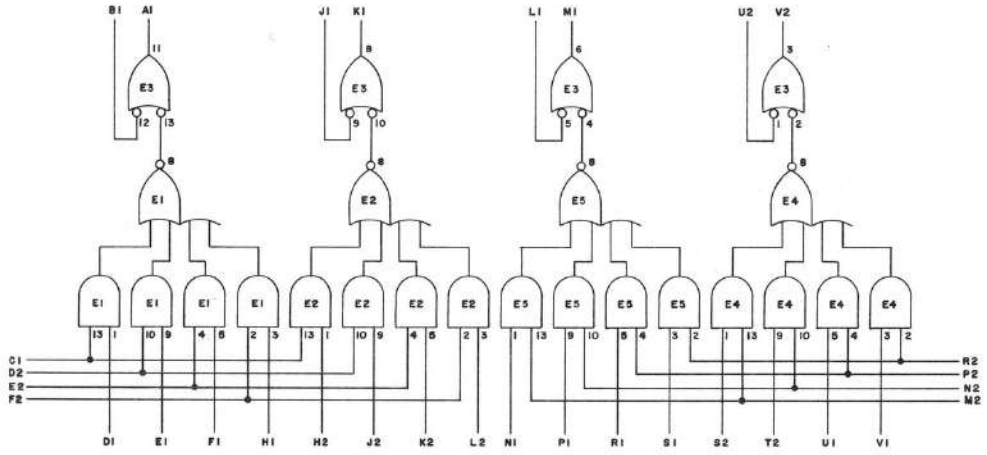
TITLE: BINARY TO OCTAL/DECIMAL DECODER M161

SIZE	CODE	NUMBER	REV.
C	CS	M161-0-1	B

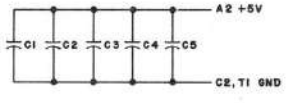
PRINTED CIRCUIT REV. C

SIZE C | CODE CS | NUMBER M161-0-1 | REV B

DEC FORM NO. DRC 102



NOTES:
PIN 7 ON EACH IC = GND
PIN 14 ON EACH IC = +5V



REFERENCE DESIGNATION	DESCRIPTION	PART NO.
	PARTS LIST	A-PL-M169-0-0
E3	INTEGRATED CKT. DEC7400N	1905575
E1, E2, E4, E5	INTEGRATED CKT. DEC7453N	1905582
C1 THRU C5	CAP. .01MFD 100V 20% DISC	1001610

PARTS LIST

TRANSISTOR & DIODE CONVERSION CHART			
DEC	EIA	DEC	EIA

digital EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS

TITLE: GATING MODULE M169

SIZE	CODE	NUMBER	REV.
C	CS	M169-0-1	A

PRINTED CIRCUIT REV. B

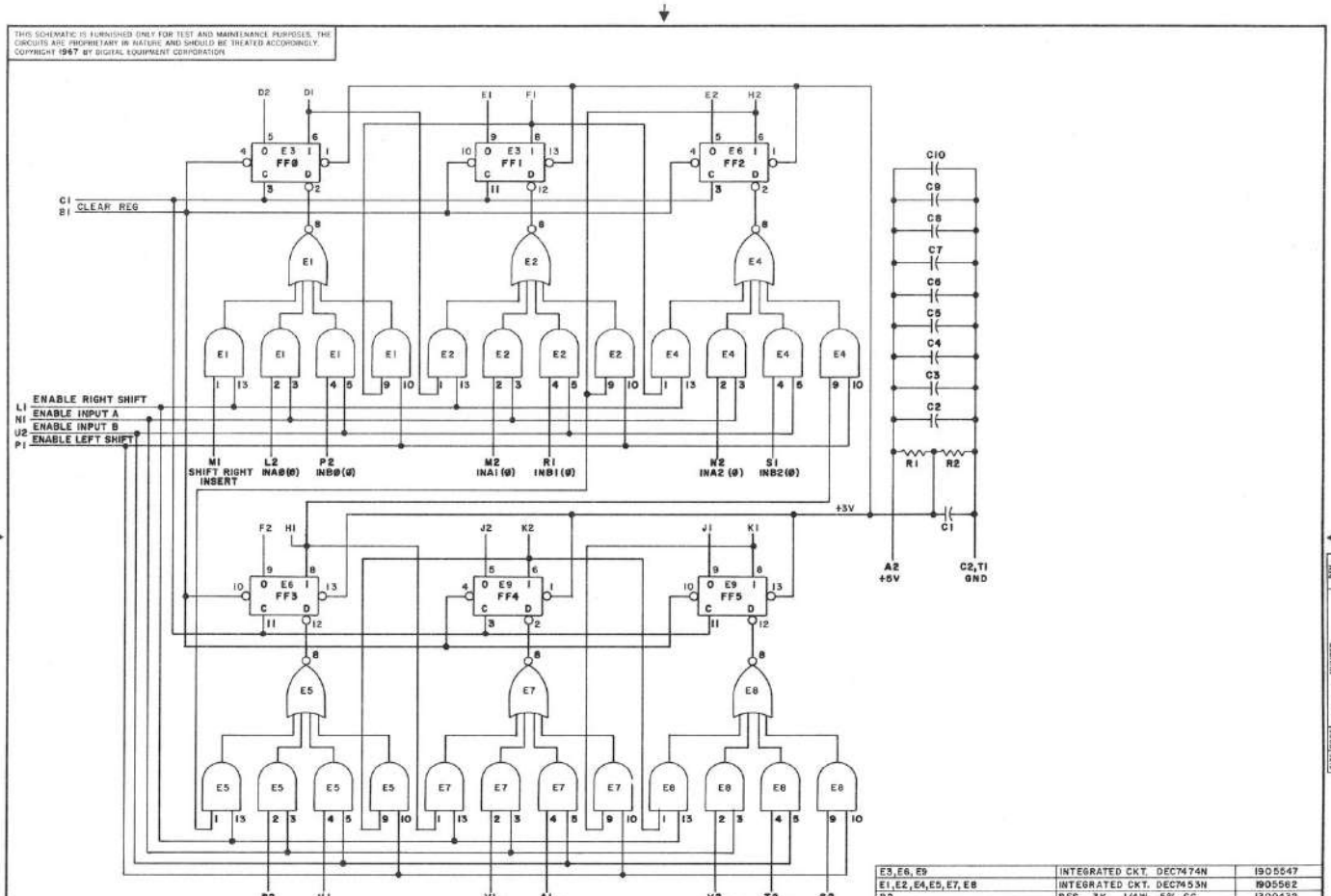
SIZE CODE C CS NUMBER M169-0-1 REV.

REVISIONS			
REV.	CHK.	CHG. NO.	DATE

DRN. M. Waller	DATE 11-9-67	
CHK'D J. Delmonico	DATE 11/11/67	
ENG. R. Lebovici	DATE 11-9-67	
PROD.	DATE	

DEC FORM NO. DRC 102

DIST. 324 434 455 PINK



NOTES:
PIN 7 ON EACH IC = GND
PIN 14 ON EACH IC = +5V

REFERENCE DESIGNATION	DESCRIPTION	PART NO.
	PARTS LIST	A-PL-M212-0-0
C1 - C10	CAP. .01MFD 100V 20% DISC	1001610
R1	RES. 1.5K 1/4W 5% CC	1300391
R2	RES. 3K 1/4W 5% CC	1300432
E1,E2,E4,E5,E7,E8	INTEGRATED CKT. DEC7453N	1905562
E3,E6,E9	INTEGRATED CKT. DEC7474N	1905547

PARTS LIST

REVISIONS	DRW	CHG NO	INIT

DRN.		DATE
CHK'D		DATE
ENG.		DATE
PROD.		DATE

TRANSISTOR & DIODE CONVERSION CHART

DEC	EIA	DEC	EIA

digital EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS

TITLE 6 BIT L-R SHIFT REGISTER M212

SIZE	CODE	NUMBER	REV.
C	CS	M212-0-1	B

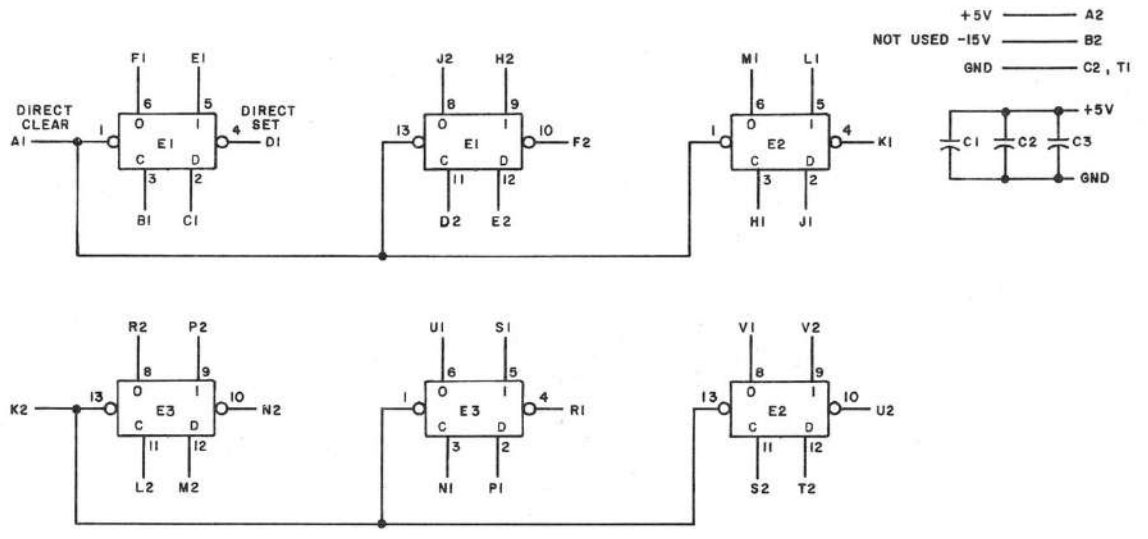
PRINTED CIRCUIT REV. B

DEC FORM NO. DRC 102

PINK

DIST. 324 494 495²

SIZE	CODE	NUMBER	REV.
B	CS	M216-0-1	B



NOTES:
PIN 7 ON EACH IC = GND
PIN 14 ON EACH IC = +5V

E1 THRU E3	INTEGRATED CKT. DEC7474N	1905547
C1 THRU C3	CAP. .01 MFD 100V 20% DISC	1001610
	PARTS LIST	A-PL-M216-0-0
REFERENCE DESIGNATION	DESCRIPTION	PART NO.

PARTS LIST

REVISIONS	CHK	CHG NO.	REV.
	MH	00001	B

DRN. M. Weller	DATE 4-15-67	
CHK'D	DATE 4/24/67	
ENG	DATE 4/28/67	
PROD.	DATE	

TRANSISTOR & DIODE CONVERSION CHART

DEC	EIA	DEC	EIA

digital EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS

TITLE: SIX FLIP-FLOPS M216

SIZE	CODE	NUMBER	REV.
B	CS	M216-0-1	B

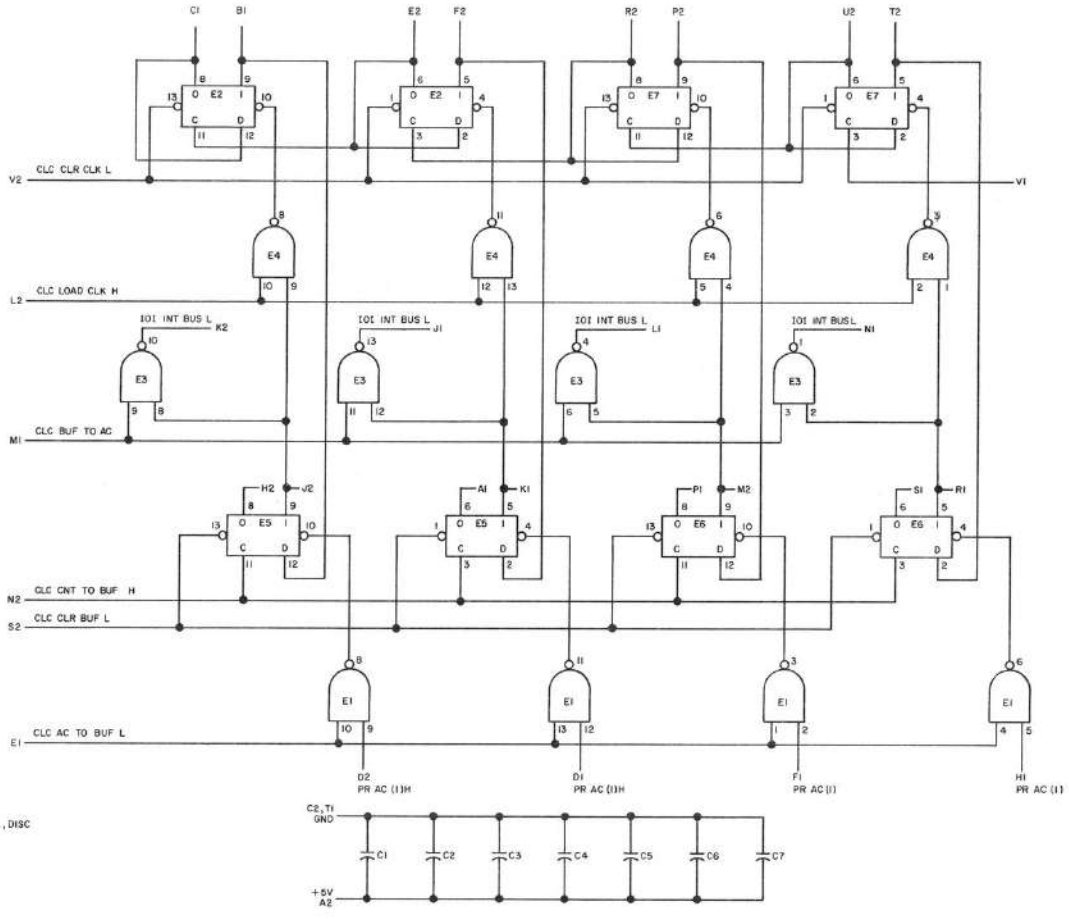
PRINTED CIRCUIT REV. C

DEC FORM NO.
DRB 102

PINK

DIST. 324 434 435

5/



UNLESS OTHERWISE INDICATED:

PIN 7 ON EACH IC = GND
PIN 14 ON EACH IC = +5V
CAPACITORS ARE .01 MFD, 100V, 20%, DISC
E2, E5, E6 AND E7 ARE DEC 7474N
E1 AND E4 ARE DEC7400N
E3 IS A DEC7401N

REVISIONS			
ZONE	CHG NO	REV	

DRN	E.BUTLER	DATE 4/15/69
CHK'D	C.A. Paulette	DATE 4/17/69
ENG'G	R. Schwaya	DATE 4/17/69
PROD.	R. Schwaya	DATE 4/18/69

TRANSISTOR & DIODE CONVERSION CHART

DEC	EIA	DEC	EIA

digital
EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS

TITLE: CLOCK REGISTER M217

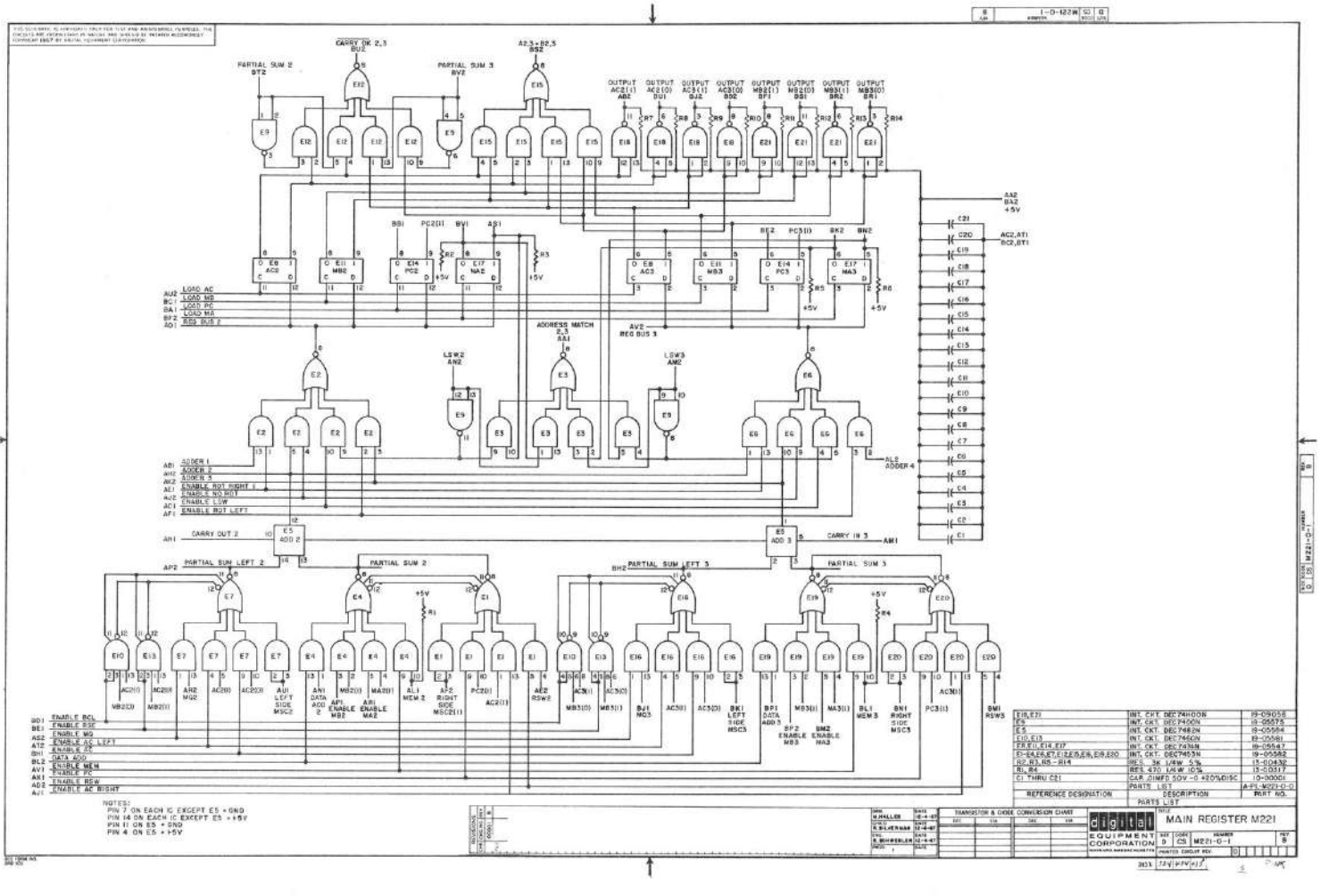
SIZE	CODE	NUMBER	REV.
C	CS	M217-0-1	
PRINTED CIRCUIT REV.			A

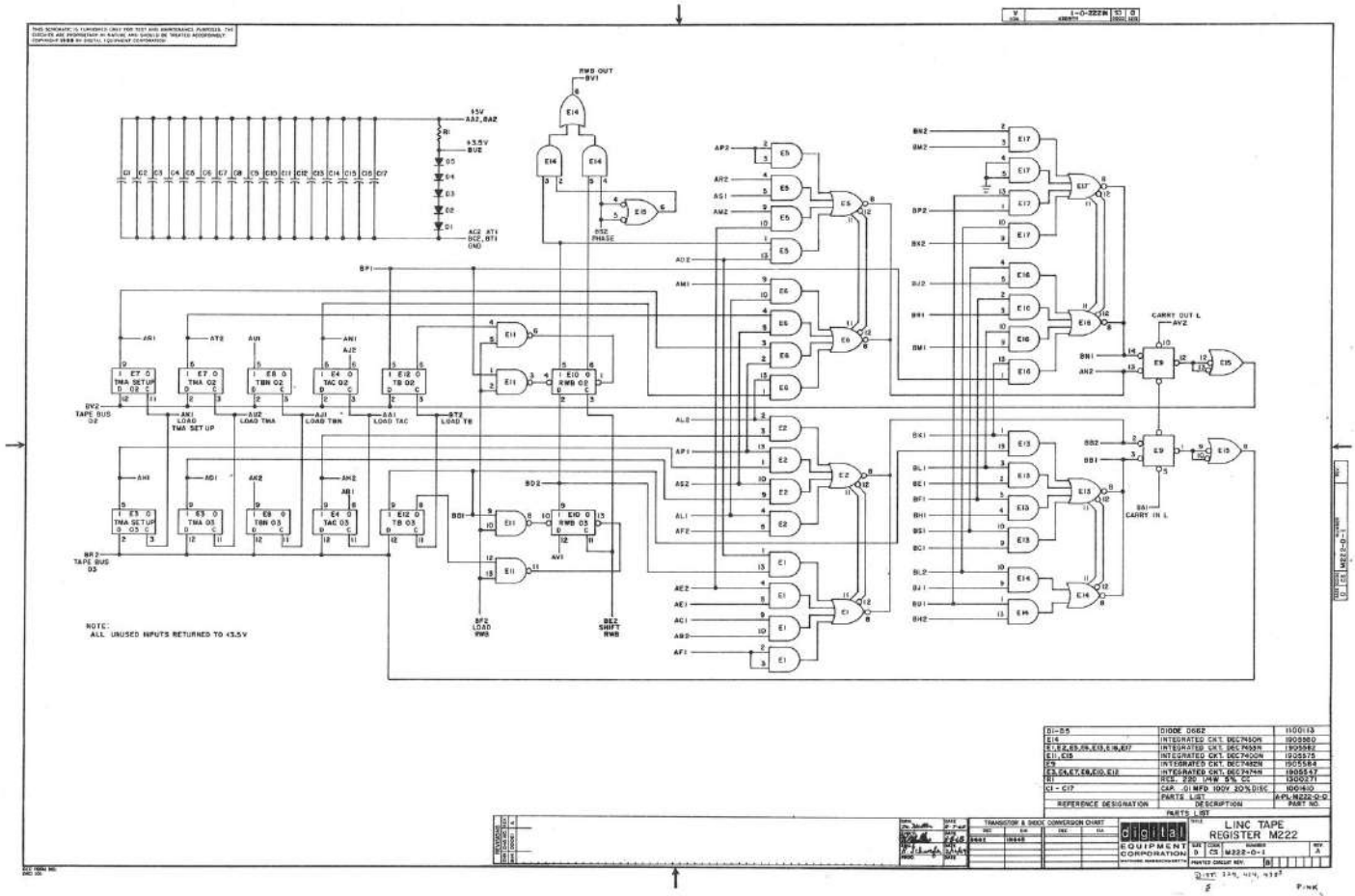
SIZE (CODE) C CS | NUMBER M207-0-1 | REV.

DEC FORM NO. DRC 102

DIST. 324, 434, 435-3

PINK


CARRY OK 2,3
BU2
A2,3+B2,3
BS2
PARTIAL SUM 2
BT2
PARTIAL SUM 3
BV2
OUTPUT AC2(1) AB2
OUTPUT AC2(0) BU1
OUTPUT AC3(1) BU2
OUTPUT AC3(0) BS2
OUTPUT MB2(1) BT1
OUTPUT MB2(0) BS1
OUTPUT MB3(1) BR2
OUTPUT MB3(0) BR1
AA2
BA2
+5V
AC2,AT1
BC2,BT1
BS1
PC2(1)
BV1
AS1
BE2
PC3(1)
BK2
BN2
LOAD AC
LOAD MB
LOAD PC
LOAD MA
REG BUS 2
AVE - REG BUS 3
ADDRESS MATCH 2,3
AA1
LSW2
AN2
LSW3
AM2
ADDER 1
ADDER 2
ADDER 3
ENABLE ROT RIGHT 2
ENABLE NO ROT
ENABLE LSW
ENABLE ROT LEFT
ALS ADDER 4
CARRY OUT 2
CARRY IN 3
AM1
PARTIAL SUM LEFT 2
PARTIAL SUM 2
PARTIAL SUM LEFT 3
PARTIAL SUM 3
BH2
ENABLE BCL
ENABLE BSC
ENABLE MQ
ENABLE AC LEFT
ENABLE PC
DATA ADD
ENABLE MEM
ENABLE PC
ENABLE RSW
ENABLE AC RIGHT
NOTES:
PIN 7 ON EACH IC EXCEPT E5 = GND
PIN 14 ON EACH IC EXCEPT E5 = +5V
PIN 11 ON E5 = GND
PIN 4 ON E5 = +5V
E18,E21 INT. CKT. DEC74H00N 19-09058
E9 INT. CKT. DEC74S00N 19-05575
E5 INT. CKT. DEC74S02N 19-05584
E10,E13 INT. CKT. DEC74S20N 19-05581
E9,E11,E12,E17 INT. CKT. DEC74S38N 19-05587
E1-E4,E6,E7,E12,E15,E16,E19,E20 INT. CKT. DEC74S53N 19-05582
R2,R3,R5-R14 RES. 3K 1/4W 5% 15-00432
R1,R4 RES. 470 1/4W 5% 15-00317
C1 THRU C21 CAP. DIMED 50V -0 +20%DISC 10-00001
PARTS LIST A-PL-M221-0-0
REFERENCE DESIGNATION DESCRIPTION PART NO.
PARTS LIST
TRANSISTOR & DIODE CONVERSION CHART
digital EQUIPMENT CORPORATION
TITLE MAIN REGISTER M221
SIZE D CODE CS NUMBER M221-0-1
PRINTED CIRCUIT REV.
SHT 8



REFERENCE DESIGNATION	DESCRIPTION	PART NO.
	PARTS LIST	A-PL-M222-0-0
C1 - C17	CAP. .01 MFD 100V 20% DISC	1004610
R1	RES. 220 1/4W 5% CC	1300271
E3,E4,E7,E8,E10,E12	INTEGRATED CKT. DEC7474N	1905517
E9	INTEGRATED CKT. DEC7486N	1905584
E11, E15	INTEGRATED CKT. DEC7400N	1905575
E1,E2,E5,E6,E13,E16,E17	INTEGRATED CKT. DEC7453N	1905581
E14	INTEGRATED CKT. DEC74S50N	1905580
D1-D5	DIODE D662	1100113

TRANSISTOR & DIODE CONVERSION CHART

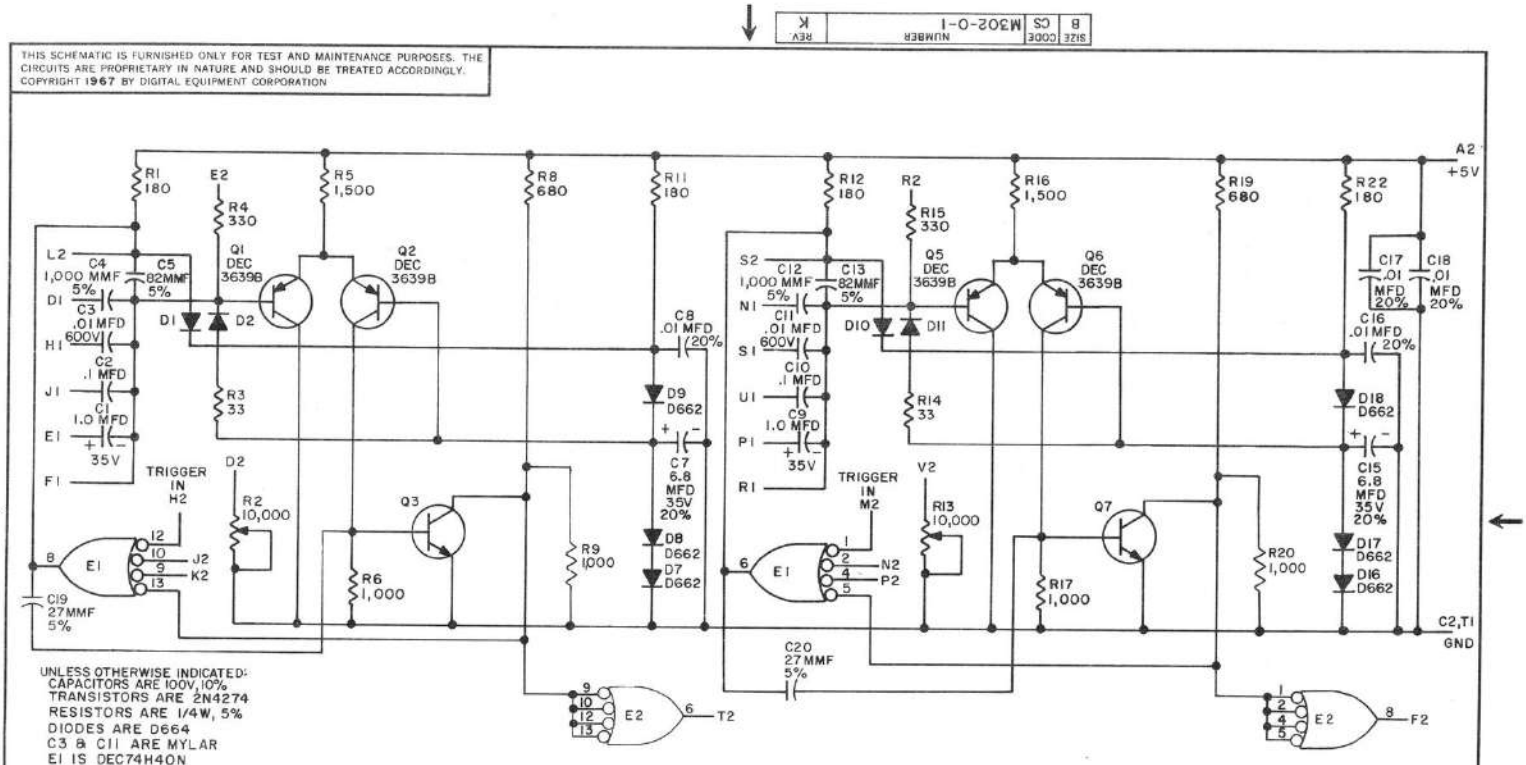
digital EQUIPMENT CORPORATION

LINC TAPE REGISTER M222

SIZE D | CODE 05 | NUMBER M222-0-1 | REV A | PRINTED CIRCUIT REV. B

DIST. 329, 414, 432

PINK



UNLESS OTHERWISE INDICATED:
CAPACITORS ARE 100V, 10%
TRANSISTORS ARE 2N4274
RESISTORS ARE 1/4W, 5%
DIODES ARE D664
C3 & C11 ARE MYLAR
E1 IS DEC74H40N
PIN 7 ON IC'S = GND
PIN 14 ON IC'S = +5V
R2 & R13 ARE HELITRIM POT #78PR
1.0MFD CAPACITORS ARE TANTALUM
E2 IS DEC7413N

PARTS LIST A-PL-M302-0-0

REVISIONS	CHK	CHG NO.	REV
			B
		8507	C
		8719	D
		6881	E
		7077	F
		00001	H
		00002	J
		00003	K

DRN.	M. Waller	DATE 6-15-67
CHK'D		DATE 6/21/67
ENG.	L. White	DATE 6/21/67
PROD.		DATE

TRANSISTOR & DIODE CONVERSION CHART

DEC	EIA	DEC	EIA
2N4274	SAME		
DEC36398	2N3639		
D662	IN645		
D664	IN3606		

digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS

TITLE: ONE SHOT DELAY M302

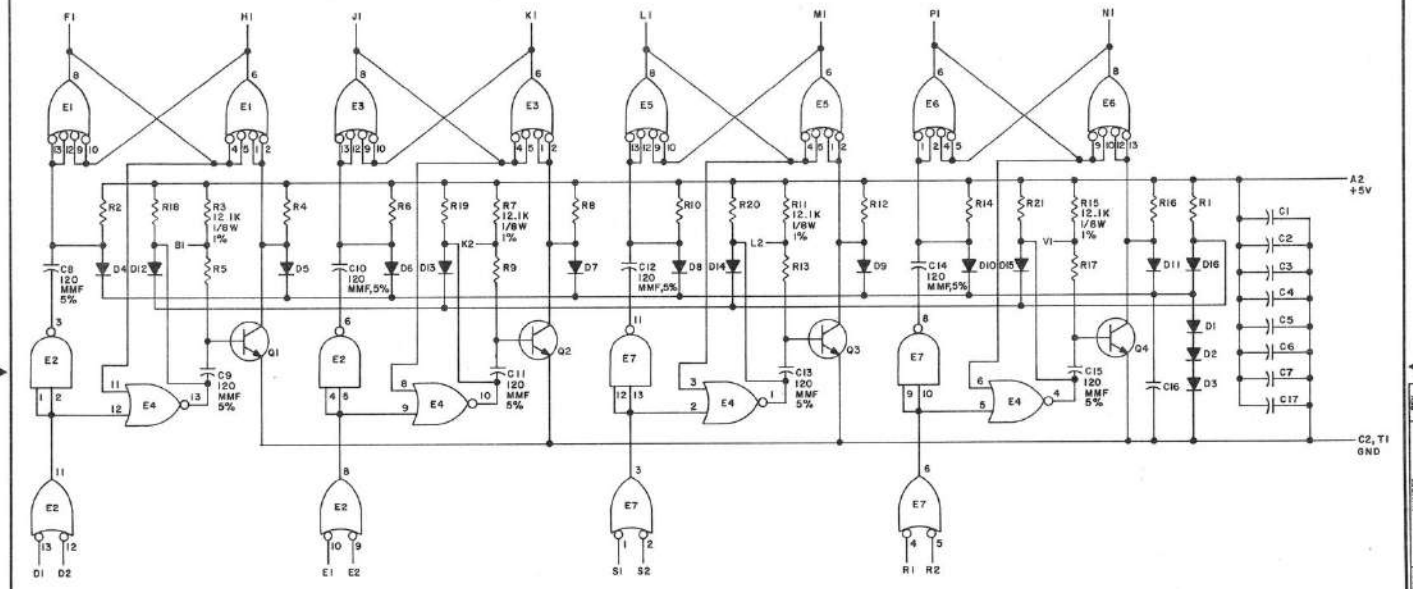
SIZE	CODE	NUMBER	REV.
B	CS	M302-0-1	K

PRINTED CIRCUIT REV. K

DEC FORM NO. DRB 102

PINK

DIST. 324 434 435 5



UNLESS OTHERWISE INDICATED:
RESISTORS ARE 1K
RESISTORS ARE 1/4W, 5%
TRANSISTORS ARE DEC3009B
E1, E3, E5, E6 ARE DEC7440
E2, E7 ARE DEC7400
E4 IS DEC7402
PIN 7 ON EACH IC = GND
PIN 14 ON EACH IC = +5V
DIODES ARE D664
CAPACITORS ARE .01MFD, 100V, 20%

REVISIONS			
CHK	CHG NO.	REV.	
	0001	A	

DRN. M. Fuller	DATE 6-22-67	
CHK'D H. Moreland	DATE 6-23-67	
ENG. R. McNaughton	DATE 6-25-67	
PROD.	DATE	

TRANSISTOR & DIODE CONVERSION CHART

DEC	EIA	DEC	EIA
D664	IN3606		
DEC3009B	2N3009		

digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS

TITLE: ONE SHOT DELAY M304

SIZE C | CODE CS | NUMBER M304-0-1 | REV A

PRINTED CIRCUIT REV. B

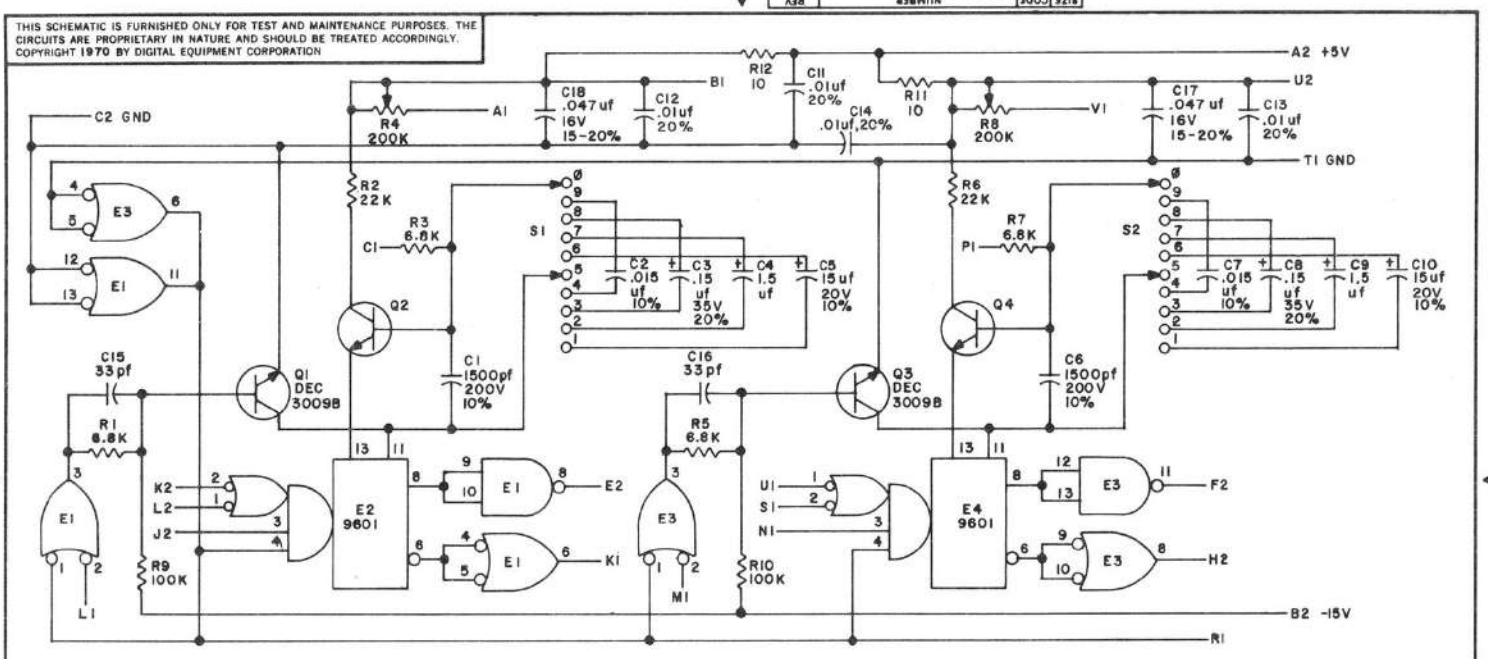
SIZE C | CODE CS | NUMBER M304-0-1 | REV A

DEC FORM NO. DEC 102

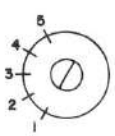
5

Dist. 721, 931, 955-9

PINK



UNLESS OTHERWISE INDICATED:
TRANSISTORS ARE 2N5088
RESISTORS ARE 1/4W, 5%
CAPACITORS ARE 100V, 5%
R4 & R8 ARE 78PR POTS
SWITCHES ARE 2 POLE, 5 POSITION SPECTROL
E1, E3 ARE DEC7400
PIN 7 ON EACH IC = GND
PIN 14 ON E1, E3 = +5V
PIN 14 ON E2 = VCC, PIN B1
PIN 14 ON E4 = VCC, PIN U2



RANGE 5 5 μsec. — 50 μsec.
4 50 μsec. — 500 μsec.
3 500 μsec. — 5 msec.
2 5 msec. — 50 msec.
1 50 msec. — 500 msec.

REVISIONS			
CHK	CHG NO.	REV.	
MH	00001	A	
REV. & REDR.	00002	B	

DRN. M. HALLER	DATE 9-3-69	
CHK'D A. YAUGA	DATE 9-3-69	
ENG. R. SCHWEGLER	DATE 9-4-69	
PROD. R. SCHWEGLER	DATE 9-4-69	

TRANSISTOR & DIODE CONVERSION CHART

DEC	EIA	DEC	EIA
DEC3009B	2N3009		
2N5088	NONE		

digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS

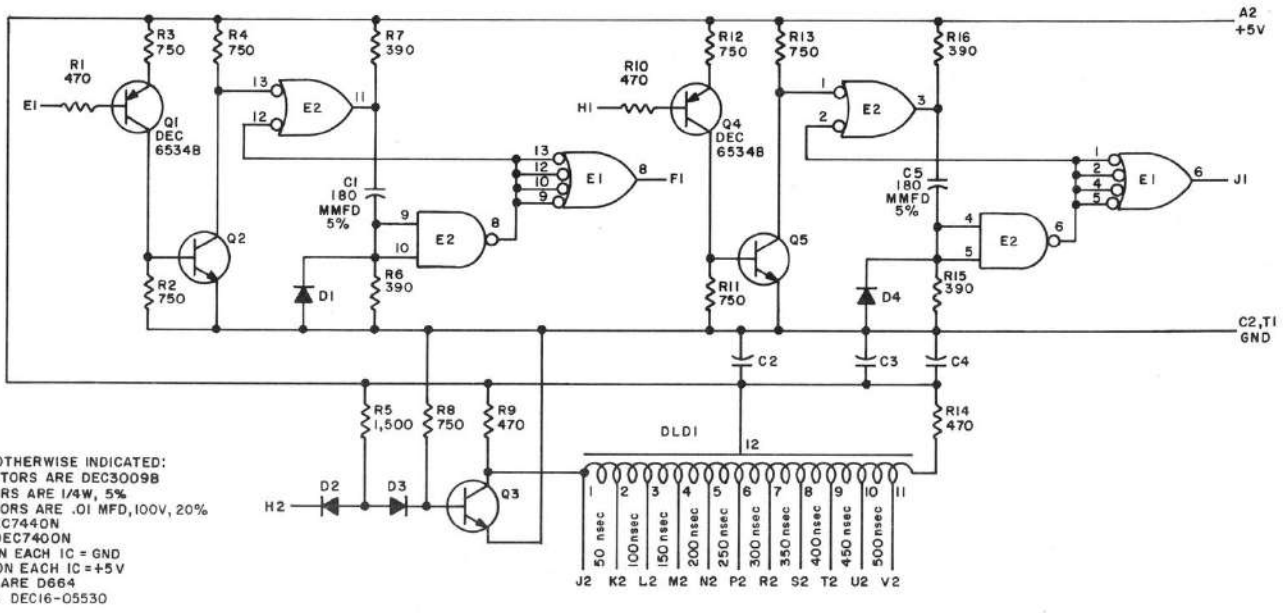
TITLE: INTEGRATING ONE SHOT M307

SIZE	CODE	NUMBER	REV.
B	CS	M307-0-1	B

PRINTED CIRCUIT REV. B

DEC FORM NO. DRB 102

5 PINK DIST. 324, 431, 435 3



UNLESS OTHERWISE INDICATED:
TRANSISTORS ARE DEC3009B
RESISTORS ARE 1/4W, 5%
CAPACITORS ARE .01 MFD, 100V, 20%
E1 IS DEC7440N
E2 IS DEC7400N
PIN 7 ON EACH IC = GND
PIN 14 ON EACH IC = +5V
DIODES ARE D664
DLD1 IS DEC16-05530

REVISIONS	CHK	CHG. NO.	REV.
		6771	A
		00001	B
		00002	C
		00003	D

DRN. M. Haller DATE 4-7-67
CHK'D DATE
ENG DATE 5/5/67
PROD. DATE

TRANSISTOR & DIODE CONVERSION CHART

DEC	EIA	DEC	EIA
DEC3009B	2N3009		
DEC6534B	MPS6534		
D662	IN645		
D664	IN3606		

digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS

TITLE: DELAY LINE M310

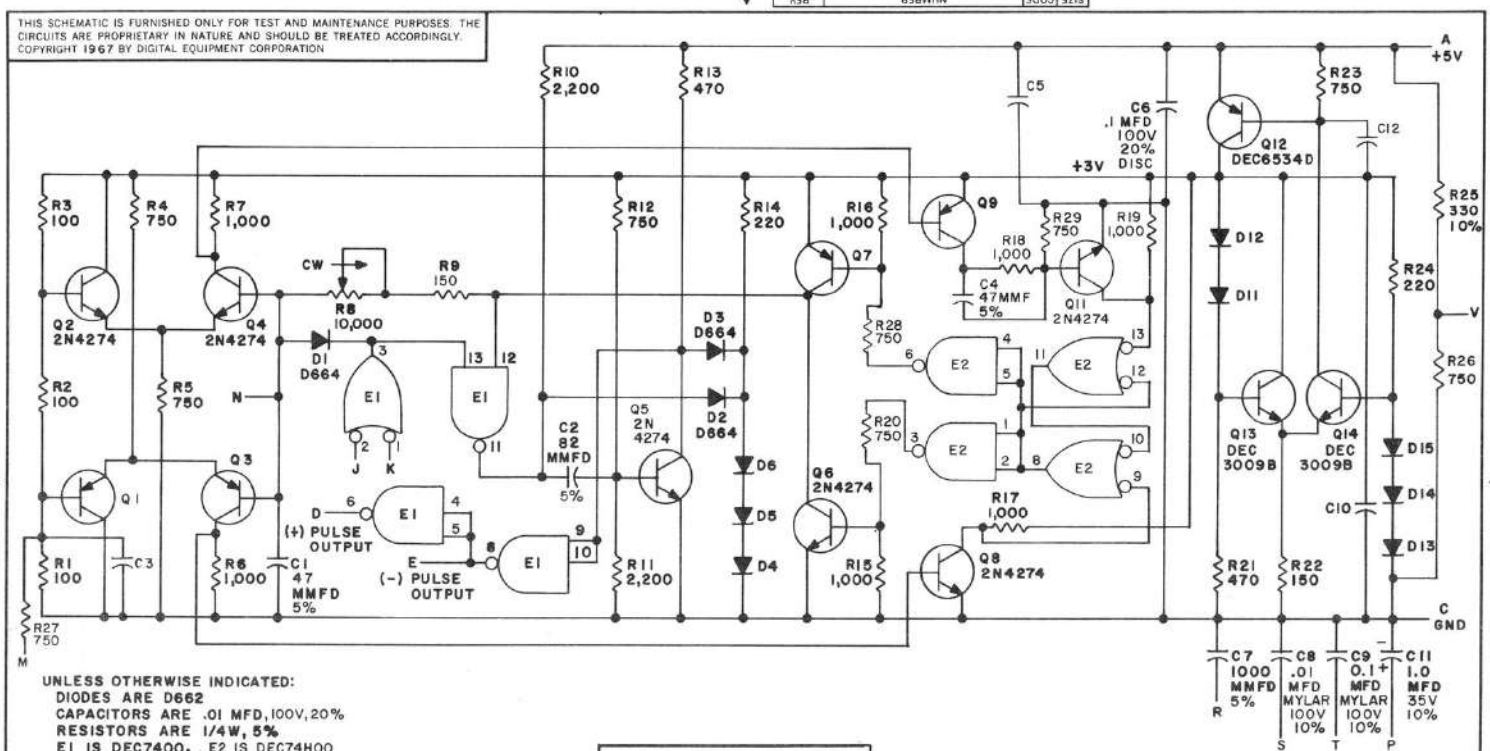
SIZE B | CODE CS | NUMBER M310-0-1 | REV D

PRINTED CIRCUIT REV. C

DEC FORM NO. DRB 102

5 DIST. 324, 434, 435

PINK



UNLESS OTHERWISE INDICATED:
DIODES ARE D662
CAPACITORS ARE .01 MFD, 100V, 20%
RESISTORS ARE 1/4W, 5%
E1 IS DEC7400, E2 IS DEC74H00
PIN 7 ON IC = GND
PIN 14 ON IC = +5V
TRANSISTORS ARE DEC4258
R8 IS A HELITRIM POT 10%-78PR

PARTS LIST A-PL-M401-0-0

REVISIONS	CHK	CHG NO.	REV.
		6769	A
		6844	B
		00001	C
		00002	D
		00003	F
		00004	J
		00005	K
		00006	L
		00007	M
		00008	

DRN.	Tom Waller	DATE 8-11-67
CHK'D		DATE
ENG		DATE 9/1/67
PROD.		DATE

TRANSISTOR & DIODE CONVERSION CHART

DEC	EIA	DEC	EIA
DEC3009B	2N3009	D662	IN645
DEC4258	2N4258	D664	IN3606
2N4274	SAME		
DEC6534D	MPS6534		

digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS

TITLE: VARIABLE CLOCK M401

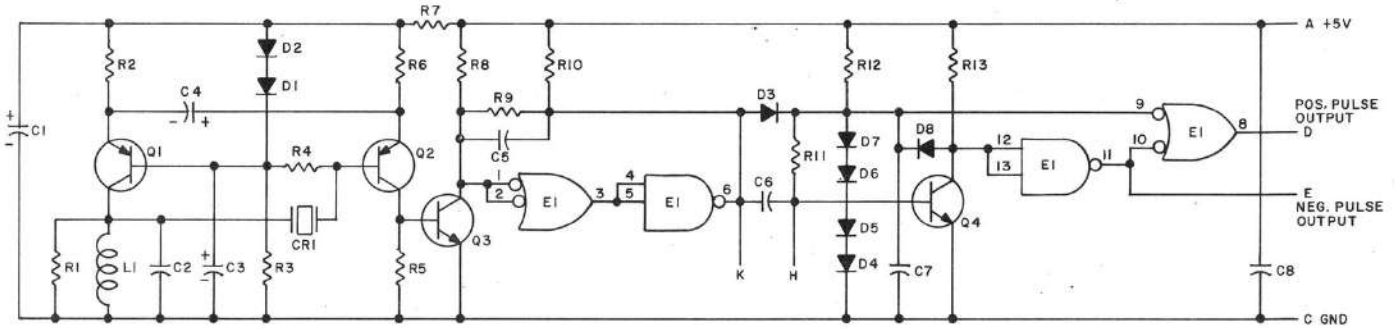
SIZE	CODE	NUMBER	REV
B	CS	M401-0-1	M

PRINTED CIRCUIT REV. L

DEC FORM NO. DRB 102

DIST. 324 434 435 PINK

SIZE	CODE	NUMBER	REV.
B	CS	M405-0-1	



NOTES:
1. PIN 14 ON IC = +5V
2. PIN 7 ON IC = GND
3. FOR VALUES OF C2, L1, CR1 SEE DWG. CHART A-00517-2

REFERENCE DESIGNATION	DESCRIPTION	PART NO.
	PARTS LIST	A-PL-M405-0-0
R11, R12	RES. 390 1/4W 5% CC	1300309
C6	CAP. 120 MMF 100V 5% D.M.	1000018
L1, C2, CR1	SEE NOTE 3	
E1	INTEGRATED CKT. DEC7400N	1905575
Q3, Q4	TRANSISTOR DEC4274	1505302
Q1, Q2	TRANSISTOR DEC4258	1505321
R7	RES. 100 1/4W 10% CC	1300231
R4	RES. 100K 1/4W 10% CC	1300534
R3, R8, R10, R13	RES. 1K 1/4W 5% CC	1300365
R2, R5, R6, R9	RES. 2.2K 1/4W 10% CC	1300418
R1	RES. 10K 1/4W 10% CC	1300481
D3, D8	DIODE D664	1100114
D1, D2, D4 - D7	DIODE D662	1100113
C7, C8	CAP. .01 MFD 100V 20% DISC	1001610
C5	CAP. 47 MMF 100V 5% D.M.	1000011
C1, C3, C4	CAP. 39 MFD 10V 10% S.TANT	1000076

PARTS LIST

TRANSISTOR & DIODE CONVERSION CHART			
DEC	EIA	DEC	EIA
DEC4258	2N4258		
DEC4274	NONE		
D662	IN645		
D664	IN3606		

REVISIONS	REV.	CHG NO.	CHK

DRN. M. Waller	DATE 4-17-68	
CHK'D	DATE	
ENG. R. Roberts	DATE 5/22/68	
PROD.	DATE	

digital EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS

TITLE: CRYSTAL CLOCK M405

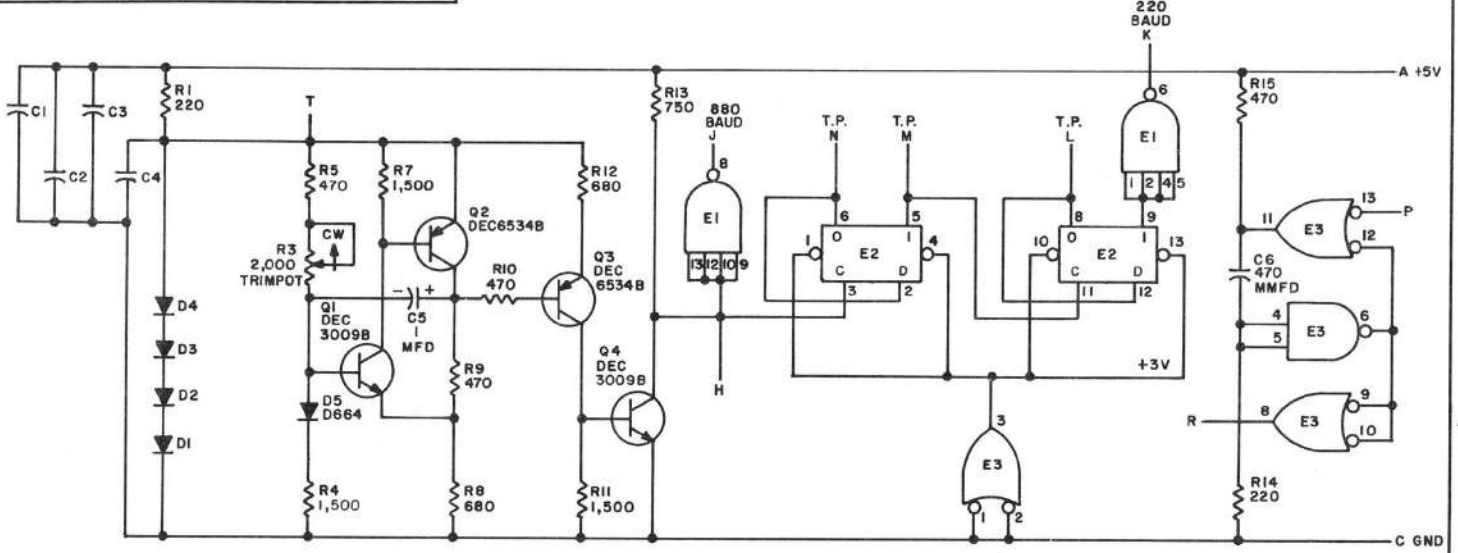
SIZE	CODE	NUMBER	REV.
B	CS	M405-0-1	
PRINTED CIRCUIT REV.		A	

DEC FORM NO.
DRB 102

DIST. 324 434 435

PINK

SIZE	CODE	NUMBER	REV.
B	CS	M452-0-1	A



UNLESS OTHERWISE INDICATED:
RESISTORS ARE 1/4W, 5%
CAPACITORS ARE .01 MFD
C5 IS 35V, 10%, TANT.
DIODES ARE D662
E1 IS DEC7440N
E2 IS DEC7474N
E3 IS DEC7400N
PIN 7 ON EACH IC = GND
PIN 14 ON EACH IC = +5V
R3 IS A #275P

REVISIONS	CHK	CHG NO.	REV.

DRN. M. Waller	DATE 4-7-67	
CHK'D	DATE 4/28/67	
ENG	DATE 4/28/67	
PROD.	DATE	

TRANSISTOR & DIODE CONVERSION CHART

DEC	EIA	DEC	EIA
DEC3009B	2N3009		
DEC6534B	MPS6534		
D662	IN645		
D664	IN3606		

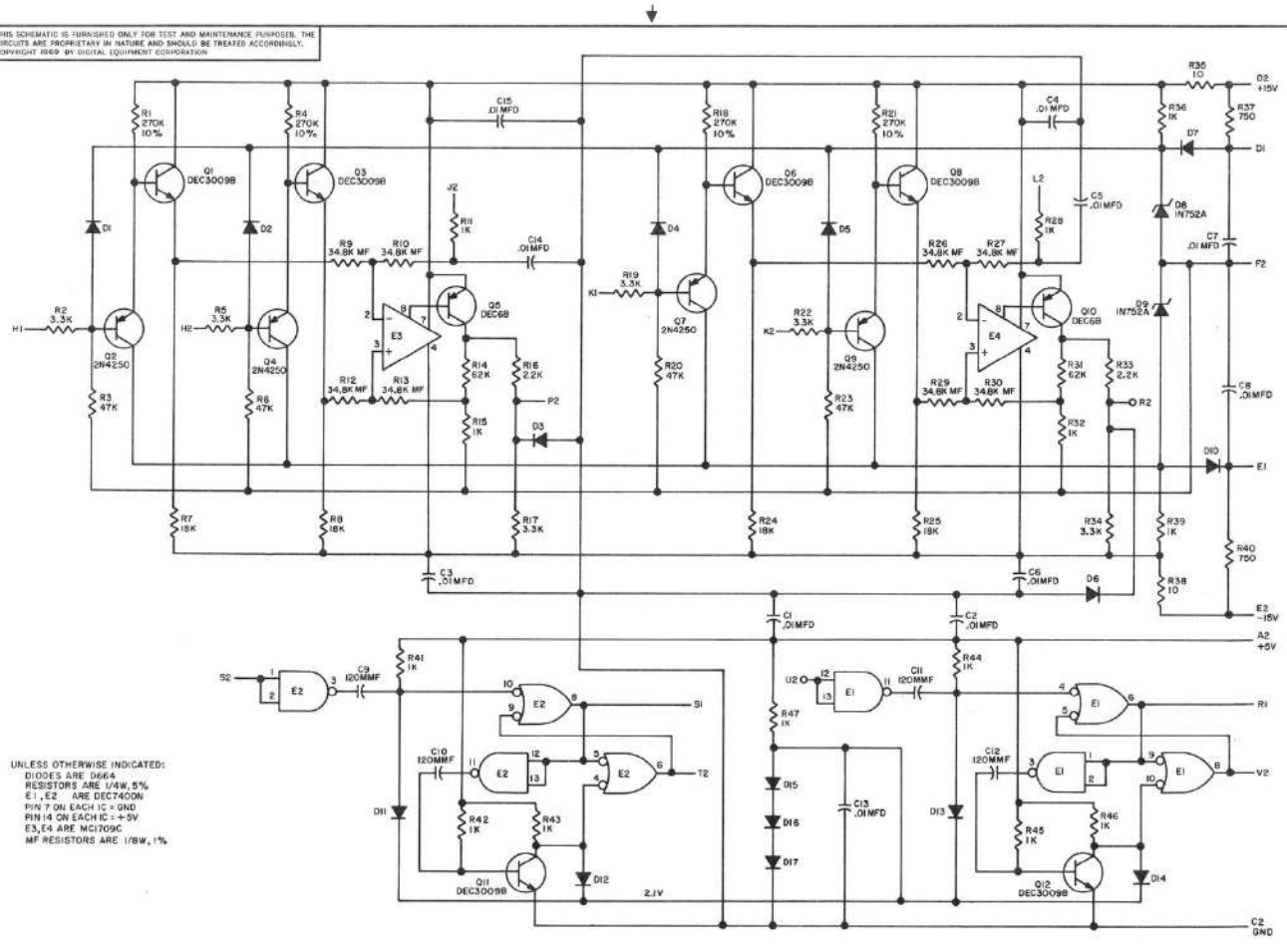
digital EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS

TITLE: VARIABLE CLOCK M452

SIZE	CODE	NUMBER	REV.
B	CS	M452-0-1	A

PRINTED CIRCUIT REV. A

DEC FORM NO.
DRB 102



UNLESS OTHERWISE INDICATED:
DIODES ARE D664
RESISTORS ARE 1/4W, 5%
E1, E2 ARE DEC7400N
PIN 7 ON EACH IC = GND
PIN 14 ON EACH IC = +5V
E3, E4 ARE MC1709C
MF RESISTORS ARE 1/8W, 1%

TRANSISTOR & DIODE CONVERSION CHART			
DEC	EIA	DEC	EIA
D664	IN5606		
DEC3009B	2N3009		
2N4250	NONE		
IN752A	SAME		
DEC68	NONE		

DRN. BUTLER 5/1/67
CHK'D [illegible] 5/8/67
ENG. E. Schwartz 6/20/67
PROD. DATE

digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS

TITLE: SCHMITT TRIGGER M503

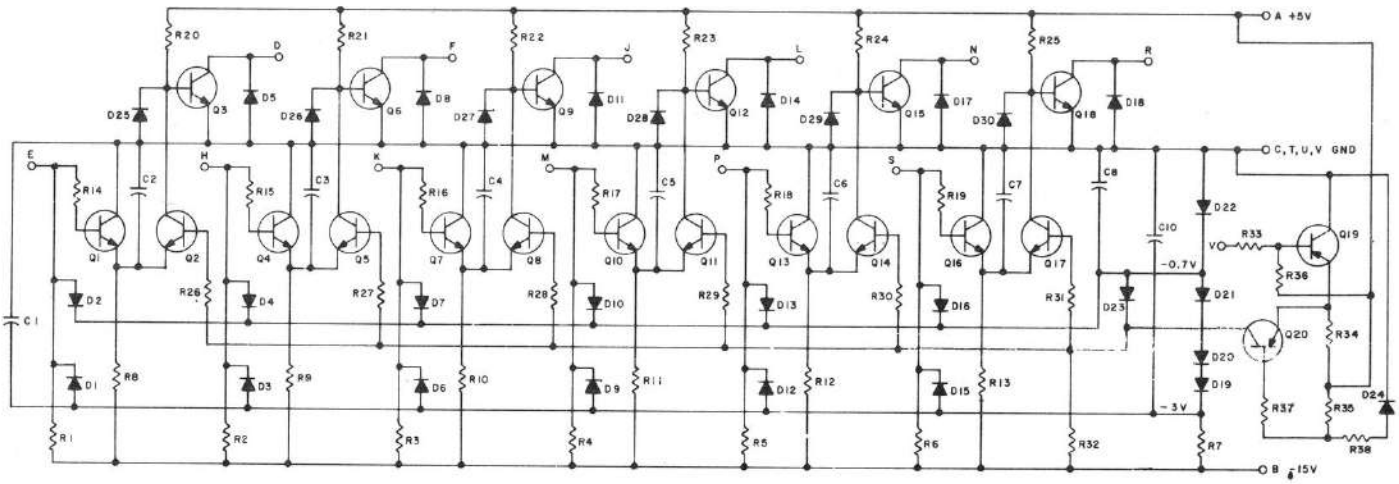
SIZE C | CODE CS | NUMBER M503-0-1 | REV. A | PRINTED CIRCUIT REV.

REVISIONS | ENG CHG NO. | REV.

SIZE CODE C CS | NUMBER M503-0-1 | REV.

DEC FORM NO. DRC 102

5/ PINK DIST: 324, 434, 435



REFERENCE DESIGNATION	DESCRIPTION	PART NO.
	PARTS LIST	A-PL-M507-0-0
D1-D18, D23, D25-D30	DIODE D664	1100114
D19-D22, D24	DIODE D662	1100113
C1, C8, C10	CAP. .01 MFD 100V 20% DISC	1001610
C2-C7	CAP. 470 MMF 100V 5% DM	1000024
R1-R7, R32	RES. 1.5K 1/4W 5% CC	1300391
R14-R19, R26-R31, R33	RES. 470 1/4W 5% CC	1300316
R8-R13	RES. 2.2K 1/4W 5% CC	1300417
R20-R25, R35, R37	RES. 1K 1/4W 5% CC	1300365
Q1-Q18	TRANSISTOR DEC30098-S	1503100
Q19, Q20	TRANSISTOR DEC2894-18	1503097
R38	RES. 220 1/4W 10% CC	1300275
R36	RES. 10K 1/4W 10% CC	1300481
R34	RES. 100 1/4W 5% CC	1300229

PARTS LIST

TRANSISTOR & DIODE CONVERSION CHART			
DEC	EIA	DEC	EIA
DEC30098	2N3009		
D662	IN645		
D664	IN3606		
DEC2894-18	NONE		

REVISIONS			
CHK	CHG NO.	REV	
	D0001	A	
	D0003	D	

DRN Tom Waller DATE 8/23/68
CHKD [illegible] DATE 8/23/68
ENG [illegible] DATE 9/4/68
PROD. DATE

digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS

TITLE BUS CONVERTER M507

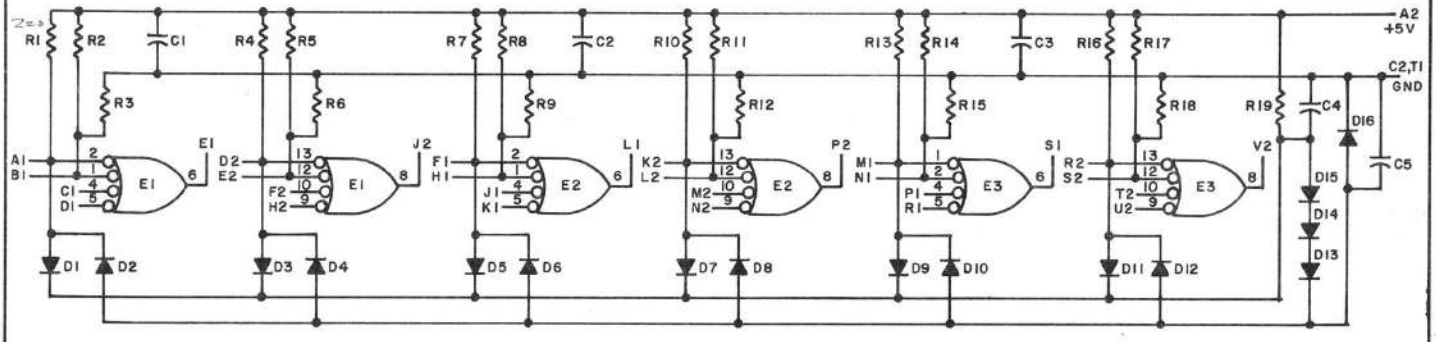
SIZE C | CODE CS | NUMBER M507-0-1 | REV. D

PRINTED CIRCUIT REV. F

DEC FORM NO. DRC-102

SIZE C | CODE CS | NUMBER M507-0-1 | REV D

SIZE	CODE	NUMBER	REV.
B	CS	M516-0-1	



NOTES:
PIN 7 ON EACH IC = GND
PIN 14 ON EACH IC = +5V

REFERENCE DESIGNATION	DESCRIPTION	PART NO.
	PARTS LIST	
E1-E3	INTEGRATED CKT. DEC7420N	1905577
R19	RES. 330 1/4W 5% CC	1300295
R3,R6,R9,R12,R15,R18	RES. 1.5K 1/4W 5% CC	1300391
R2,R5,R8,R11,R14,R17	RES. 750 1/4W 5% CC	1301401
R1,R4,R7,R10,R13,R16	RES. 220 1/4W 5% CC	1300271
D13-D16	DIODE D662	1100113
D1-D12	DIODE D664	1100114
C1-C5	CAP. .01MFD 100V 20% DISC	1001610
	PARTS LIST	A-PL-M516-0-0

REVISIONS			
CHK	CHG NO.	REV	

DRN. M. Walter	DATE 6-20-68	
CHK'D A. Donnelly	DATE 6-20-68	
ENG. H. Glazer	DATE 7/16/68	
PROD.	DATE	

TRANSISTOR & DIODE CONVERSION CHART			
DEC	EIA	DEC	EIA
D662	IN645		
D664	IN3606		

digital EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS

TITLE: POSITIVE BUS RECEIVER M516

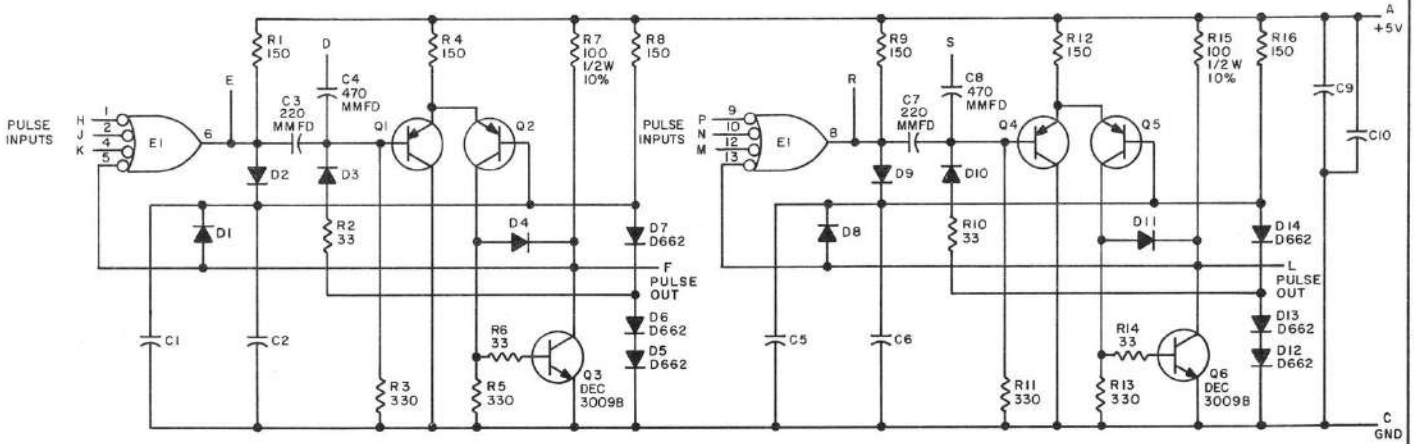
SIZE	CODE	NUMBER	REV.
B	CS	M516-0-1	

PRINTED CIRCUIT REV. A

DEC FORM NO. DRB 102

DIST. 324 434 435

SIZE	CODE	NUMBER	REV.
B	CS	M602-0-1	B



UNLESS OTHERWISE INDICATED:
TRANSISTORS ARE DEC3639B
DIODES ARE D664
RESISTORS ARE 1/4W, 5%
CAPACITORS ARE .01 MFD
PIN 7 ON IC = GND
PIN 14 ON IC = +5V
IC IS DEC74H40N

REVISIONS		
CHK	CHG NO.	REV.
Pat	6720	B

DRN. M. Waller	DATE 6-1-67	
CHK'D	DATE	
ENG. L. White	DATE 6-8-67	
PROD.	DATE	

TRANSISTOR & DIODE CONVERSION CHART

DEC	EIA	DEC	EIA
DEC3009B	2N3009		
DEC3639B	2N3639		
D662	IN645		
D664	IN3606		

digital EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS

TITLE: PULSE GENERATOR M602

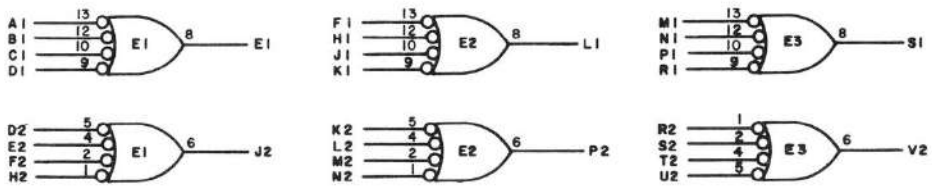
SIZE	CODE	NUMBER	REV.
B	CS	M602-0-1	B

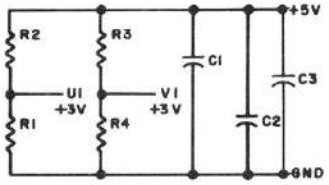
PRINTED CIRCUIT REV. A

DEC FORM NO.
DRB 102

SIZE	CODE	NUMBER	REV
B	CS	M617-0-1	E

+5V —— A2
NOT USED -15V - —— B2
GND —— C2, T1





NOTES:
PIN 7 ON EACH IC = GND
PIN 14 ON EACH IC = +5V

REFERENCE DESIGNATION	DESCRIPTION	PART NO.
	PARTS LIST	A-PL-M617-0-0
C1 & C2 & C3	CAP. .01 MFD 100V 20% DISC	1001610
R1 & R4	RES. 750 1/4W 5% CC	1301401
R2 & R3	RES 330 1/4W 10% CC	1300293
E1 THRU E3	INTEGRATED CKT. DEC7440N	1905579

PARTS LIST

REVISIONS									
CHK	CHG. NO.	REV.							
	6422	A							
	6824	B							
	00001	C							
	00002	C							
	00003	E							

DRN. W. Walker	DATE	3-16-67
CHK'D	DATE	4-21-67
ENG. L. White	DATE	4-21-67
PROD.	DATE	

TRANSISTOR & DIODE CONVERSION CHART

DEC	EIA	DEC	EIA

digital EQUIPMENT CORPORATION
MAYNARD MASSACHUSETTS

TITLE 6-4 INPUT NOR BUFFERS M617

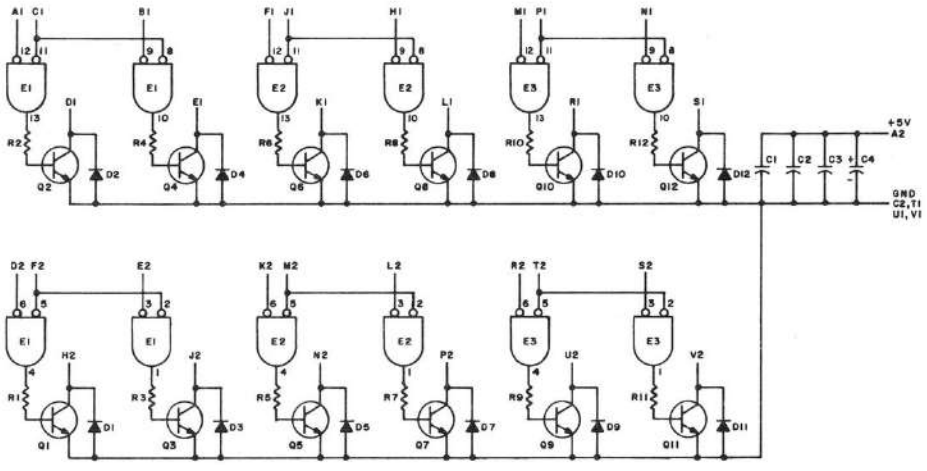
SIZE	CODE	NUMBER	REV.
B	CS	M617-0-1	E

PRINTED CIRCUIT REV. A

DIST: 324 434 435

DEC FORM NO. DRB 102

Pink 5



NOTES:
PIN 7 ON EACH IC = GND
PIN 14 ON EACH IC = +5V

REFERENCE DESIGNATION	DESCRIPTION	PART NO.
	PARTS LIST	A-PL-M623-0-0
C1 - C3	CAP. .01 MFD 100V 20% DISC	1001810
C4	CAP. 6.8 MFD 35V 20% S.TANT	1002087
D1 - D12	DIODE D664	1100114
R1 - R12	RES. 390 1/4W 5% CC	1300309
Q1 - Q12	TRANSISTOR DEC3009B	1503100
E1 - E3	INTEGRATED CKT. DEC7402	1909004

PARTS LIST

TRANSISTOR & DIODE CONVERSION CHART			
DEC	EIA	DEC	EIA
D664	1N3606		
DEC3009B	2N3009		

REVISIONS			
CHK	CHECKED NO.	REV	
	001003	D	
	001005	E	

DRN. T. Miller DATE 6-7-68
CHK'D DATE
ENGR DATE 7/16/68
PROD. DATE

digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS

TITLE: BUS DRIVER M623

SIZE	CODE	NUMBER	REV.
C	CS	M623-0-1	E

PRINTED CIRCUIT REV. D E

DEC FORM NO. DRC 102

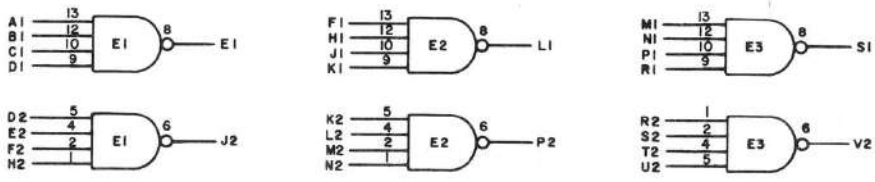
PINK 5

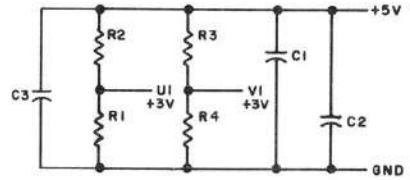
DIST. 3.2.4 4/24/68

SIZE	CODE	NUMBER	REV.
C	CS	M623-0-1	E

SIZE	CODE	NUMBER	REV
B	CS	M627-0-1	F

+5V — A2
NOT USED -15V — B2
GND — C2, T1





NOTES:
PIN 7 ON EACH IC = GND
PIN 14 ON EACH IC = +5V

REFERENCE DESIGNATION	DESCRIPTION	PART NO.
	PARTS LIST	A-PL-M627-0-0
C1 THRU C3	CAP. .01 MFD 100V 20% DISC	1001610
R1 & R4	RES. 750 1/4W 5% CC	1301401
R2 & R3	RES. 330 1/4W 10% CC	1300293
E1 THRU E3	INTEGRATED CKT. DEC74H40	1905586

PARTS LIST

REVISIONS			
CHK	CHG NO	REV	
[illegible]	6825	A	
[illegible]	00001	B	
[illegible]	00002	E	
[illegible]	00003	F	

DRN. M. Walker DATE 7-18-67
CHK'D [signature] DATE 7/19/67
PROJ [signature] DATE 7/19/67
PROD [signature] DATE

TRANSISTOR & DIODE CONVERSION CHART

DEC	EIA	DEC	EIA

digital EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS

TITLE: POWER AMPLIFIER MODULE M627

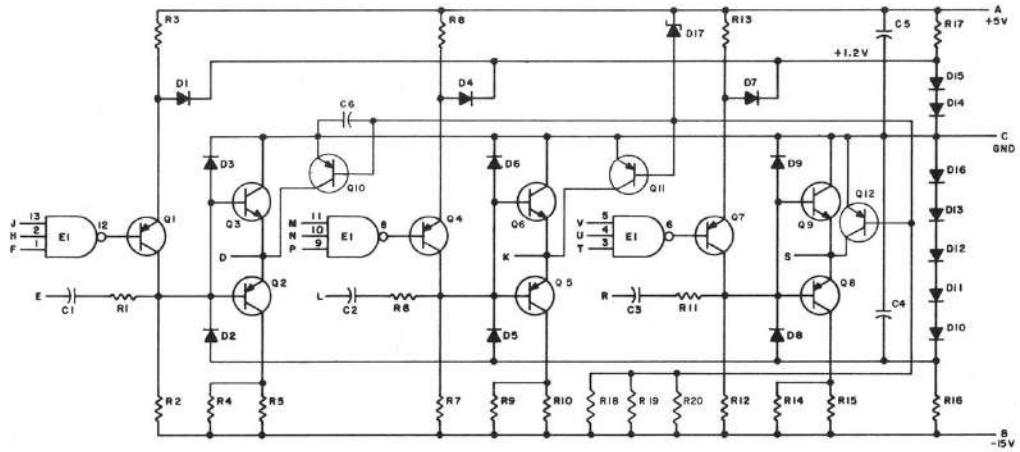
SIZE	CODE	NUMBER	REV.
B	CS	M627-0-1	F

PRINTED CIRCUIT REV. A

DEC FORM NO
DRB 102

PINK 5

DIST: 324 434 435



REFERENCE DESIGNATION	DESCRIPTION	PART NO
	PARTS LIST	A-PL-M651-0-0
C4, C5, C6	CAP .01 MFD 100V 20% DISC.	1001610
C1, C2, C3	CAP 330 MMF 100V 5% D.M.	1000023
R1, R6, R11	RES. 82 1/4W 10% CC.	1300224
R2, R7, R12, R17	RES. 3K 1/4W 5% CC	1300432
R3, R8, R13	RES. 470 1/4W 10% CC	1300317
R4, R5, R9, R10, R14, R15	RES. 1K 1/4W 5% CC	1300365
R16, R18, R19, R20	RES. 15K 1/4W 5% CC.	1300391
Q1, Q2, Q4, Q5, Q7, Q8, Q10, Q11, Q12	TRANSISTOR DEC 6534B	1503409-01
Q3, Q6, Q9	TRANSISTOR DEC 3009B-S	1503100
E1	INTEGRATED CKT. DEC 7410N	1905576

TRANSISTOR & DIODE CONVERSION CHART			
DEC	EIA	DEC	EIA
DEC3009B	2N3009		
DEC6534B	MPS6534		
D662	IN645		
D664	IN3606		
IN750A	SAME		

REVISIONS	CHG REQ NO.	REV
	00061	B

DRN. Engineering DATE 2-3-69
CHK. [signature] DATE 2-17-69
ENG. [signature] DATE 2-17-69
PROD. DATE

digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS

TITLE: NEGATIVE OUTPUT CONVERTER M651

SIZE C | CODE CS | NUMBER M651-0-1 | REV B

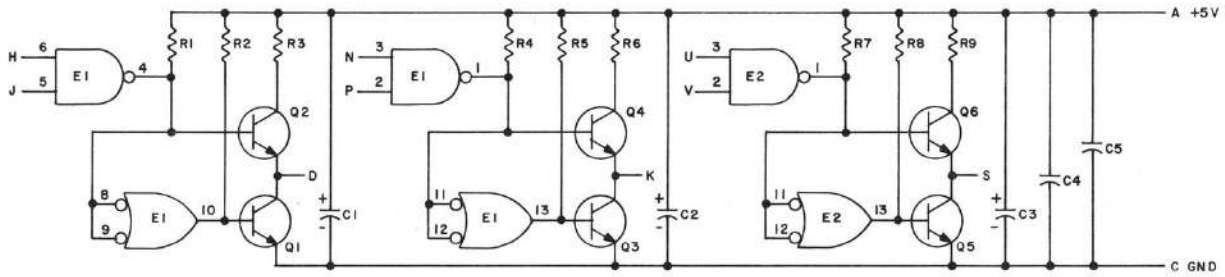
PRINTED CIRCUIT REV. A C

DEC FORM NO. DRC 102

5

D57 | 324 | 434 | 455 | PINK

SIZE	CODE	NUMBER	REV.
B	CS	M660-0-1	A



NOTES:
PIN 7 ON EACH IC = GND
PIN 14 ON EACH IC = +5V

REFERENCE DESIGNATION	DESCRIPTION	PART NO.
	PARTS LIST	A-PL-M660-0-0
C1 - C3	CAP. 6.8 MFD 35V 20% S.TANT	1000067
C4,C5	CAP. .01 MFD 100V 20% DISC	1001610
R1,R4,R7	RES. 470 1/4W 5% CC	1300316
R2,R5,R8	RES. 1.5K 1/4W 5% CC	1300391
R3,R6,R9	RES. 27 1/2W 5% CC	1302253
Q1 - Q6	TRANSISTOR DEC3009B-S	1503100
E1,E2	INTEGRATED CKT. DEC7401N	1905590

PARTS LIST

REVISIONS			
CHK	CHG NO.	REV.	
RJ	00001	A	

DRN.	M. Walter	DATE 7-12-68
CHK'D	W. Mueller	DATE 7/16/68
ENG.	D. Gould	DATE 7/24/68
PROD.		DATE

TRANSISTOR & DIODE CONVERSION CHART

DEC	EIA	DEC	EIA
D664	IN3606		
IN750	SAME		
DEC3009B	2N3009		

digital EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS

TITLE: POSITIVE LEVEL DRIVER M660

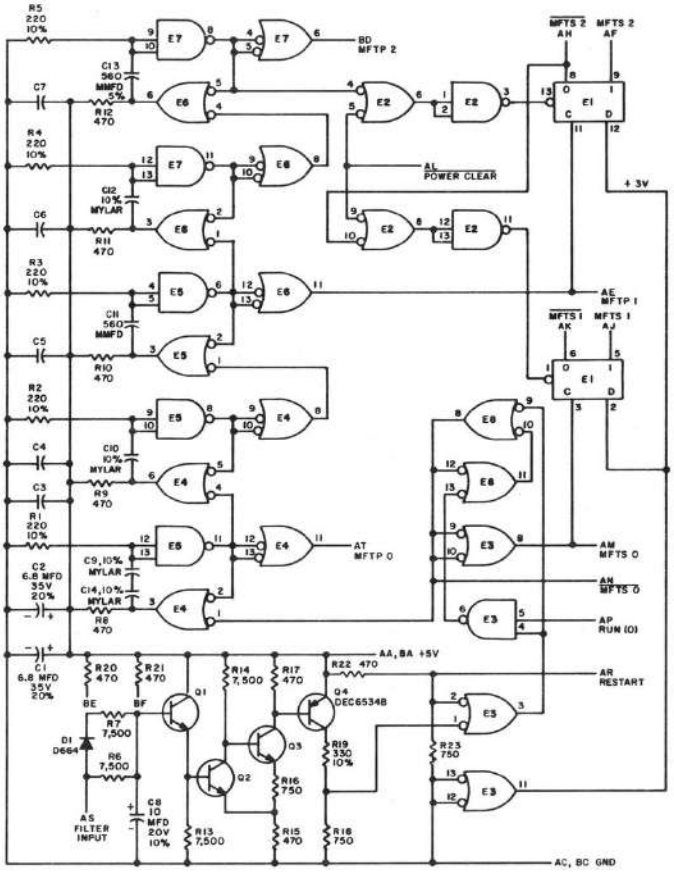
SIZE	CODE	NUMBER	REV.
B	CS	M660-0-1	A

PRINTED CIRCUIT REV. B

DEC FORM NO.
DRB 102

PINR

DIST. 434 435 324



UNLESS OTHERWISE INDICATED:
TRANSISTORS ARE DEC30098
CAPACITORS ARE .01 MFD, 100V, 20%
RESISTORS ARE 1/4W, 5%
E1 IS DEC7474
E2, E3, E4, E5, E6, E7, E8 ARE DEC7400
PIN 7 ON EACH IC = GND
PIN 14 ON EACH IC = +5V

PARTS LIST A-PL-M700-0-0

TRANSISTOR & DIODE CONVERSION CHART			
DEC	EIA	DEC	EIA
DEC30098	2N3009		
DEC6534B	MPS6534		
D664	IN3606		

REVISIONS			
CHK	CHG NO	REV	
	4898	A	
	0001	B	
	0002	D	
	0003	E	

DRWN: M. Walker DATE: 9-27-67
CHK'D: DATE: 5/28/67
PROJ: DATE: 2-2-68

digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS

TITLE: MANUAL TIMING GENERATOR M700

SIZE	CODE	NUMBER	REV
C	CS	M700-0-1	E

PRINTED CIRCUIT REV. E

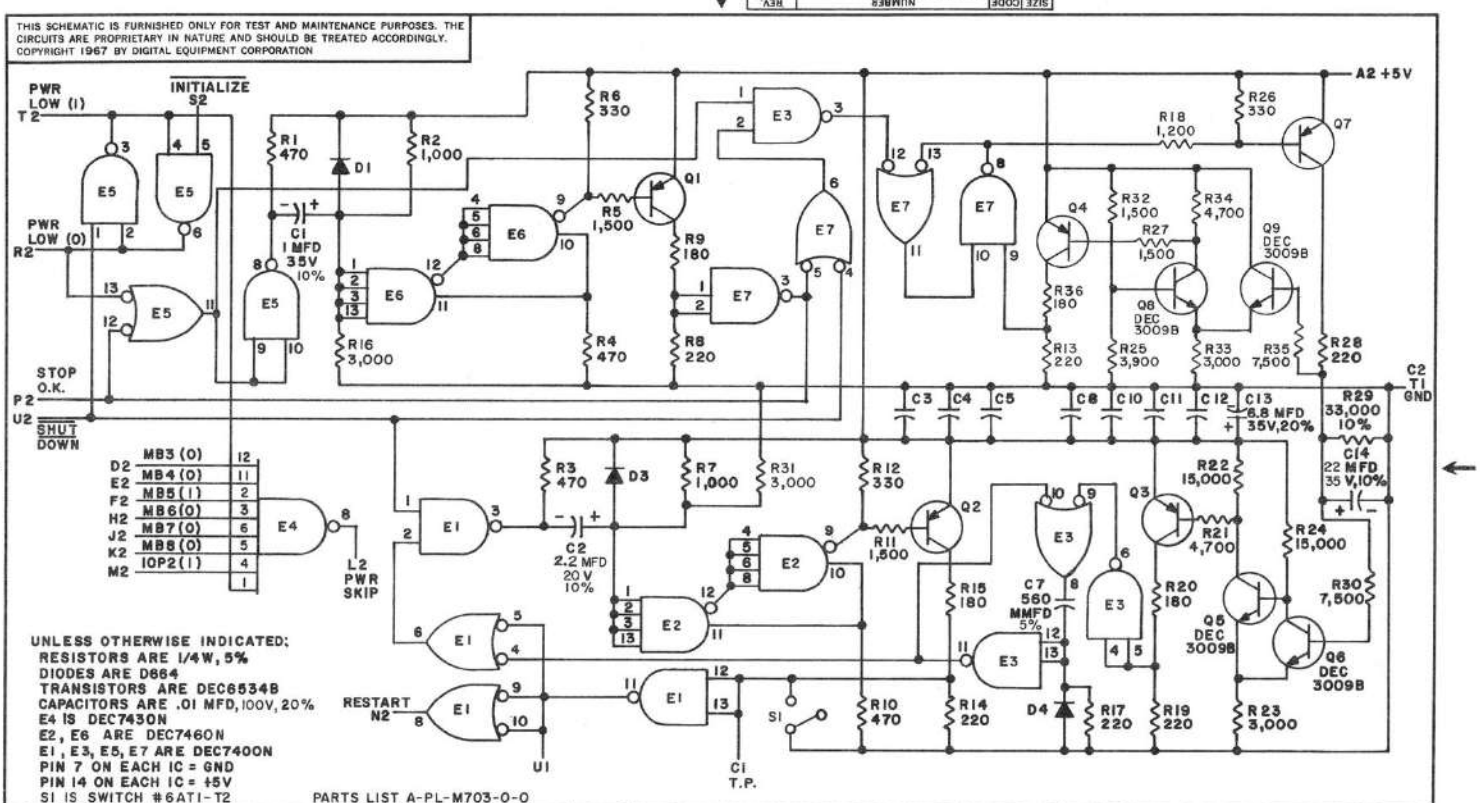
DEC FORM NO. DRC 102

PINK

DIST. 1234 5678 9123

5

TITLE CODE C CS M700-0-1 NUMBER REV E



SIZE	CODE	NUMBER	REV.
B	CS	M703-0-1	J

REVISIONS	CHK	CHG NO.	REV.
		6617	C
		7148	D
		7125	E
		7165	F
		00001	J
		00004	

DRN.	M. Miller	DATE 9-27-67
CHK'D		DATE
ENGR		DATE
PROD.	2	DATE

TRANSISTOR & DIODE CONVERSION CHART

DEC	EIA	DEC	EIA
DEC6534B	MPS6534		
D664	IN3606		
DEC3009B	2N3009		

digital EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS

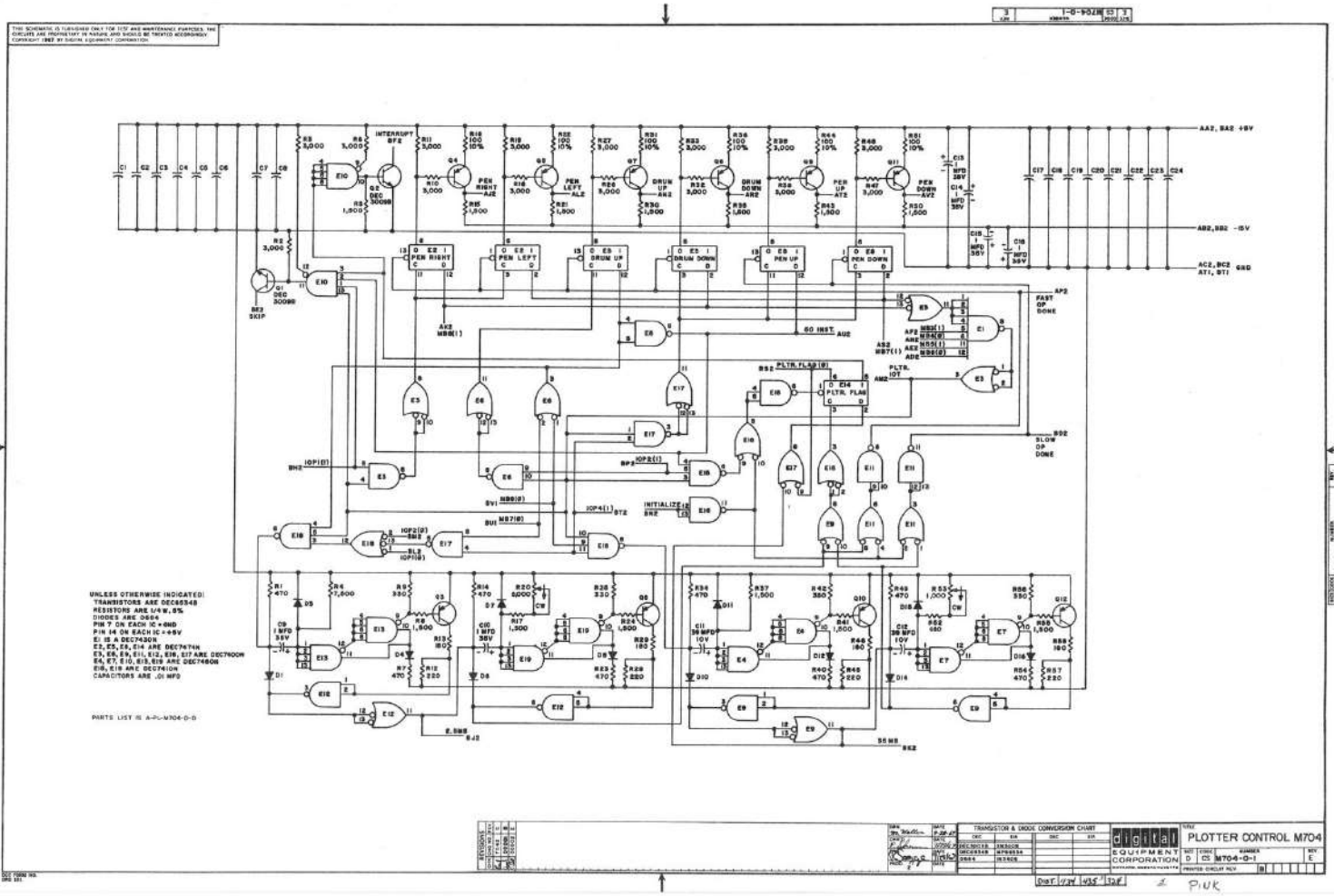
TITLE: POWER FAIL M703

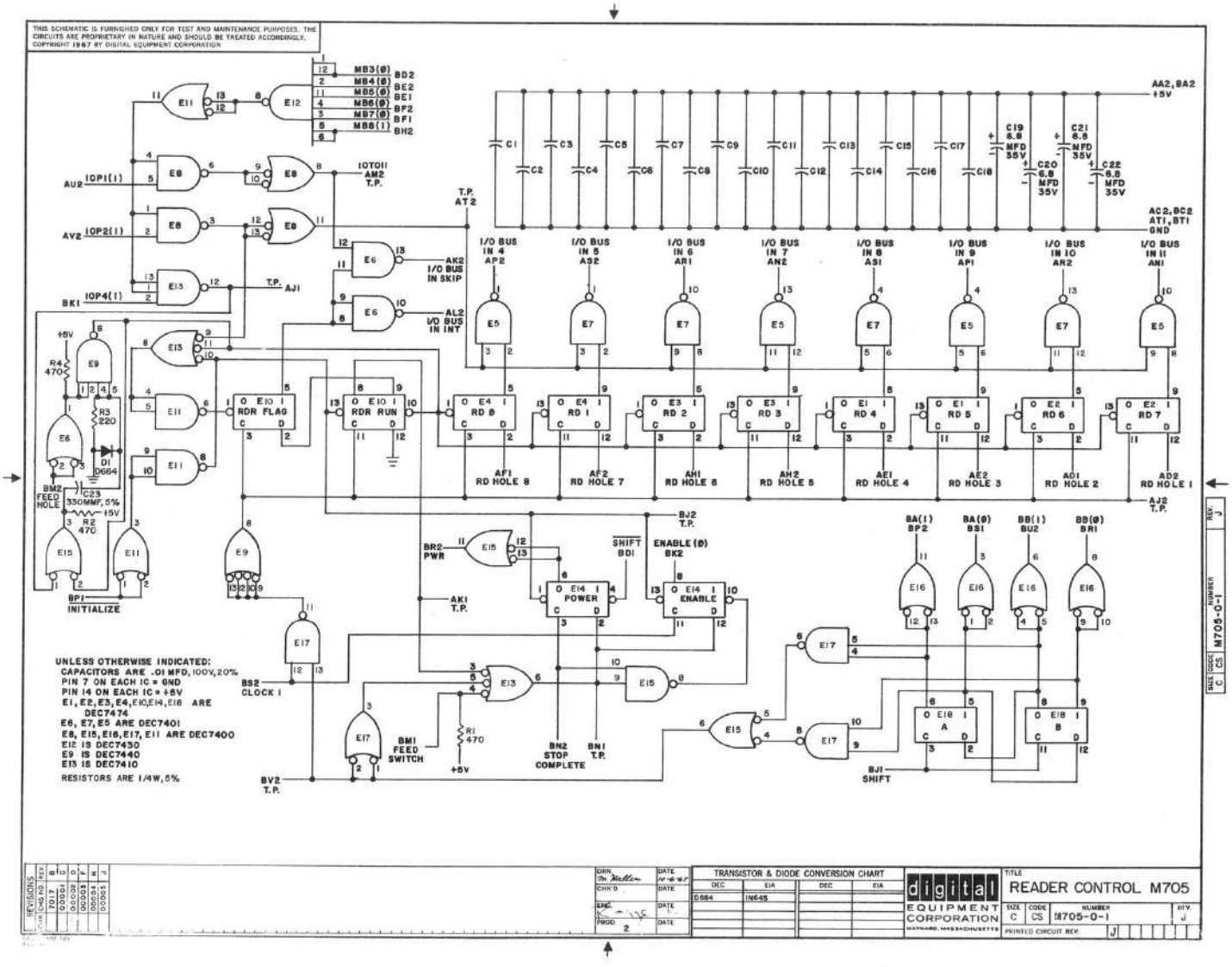
SIZE	CODE	NUMBER	REV.
B	CS	M703-0-1	J

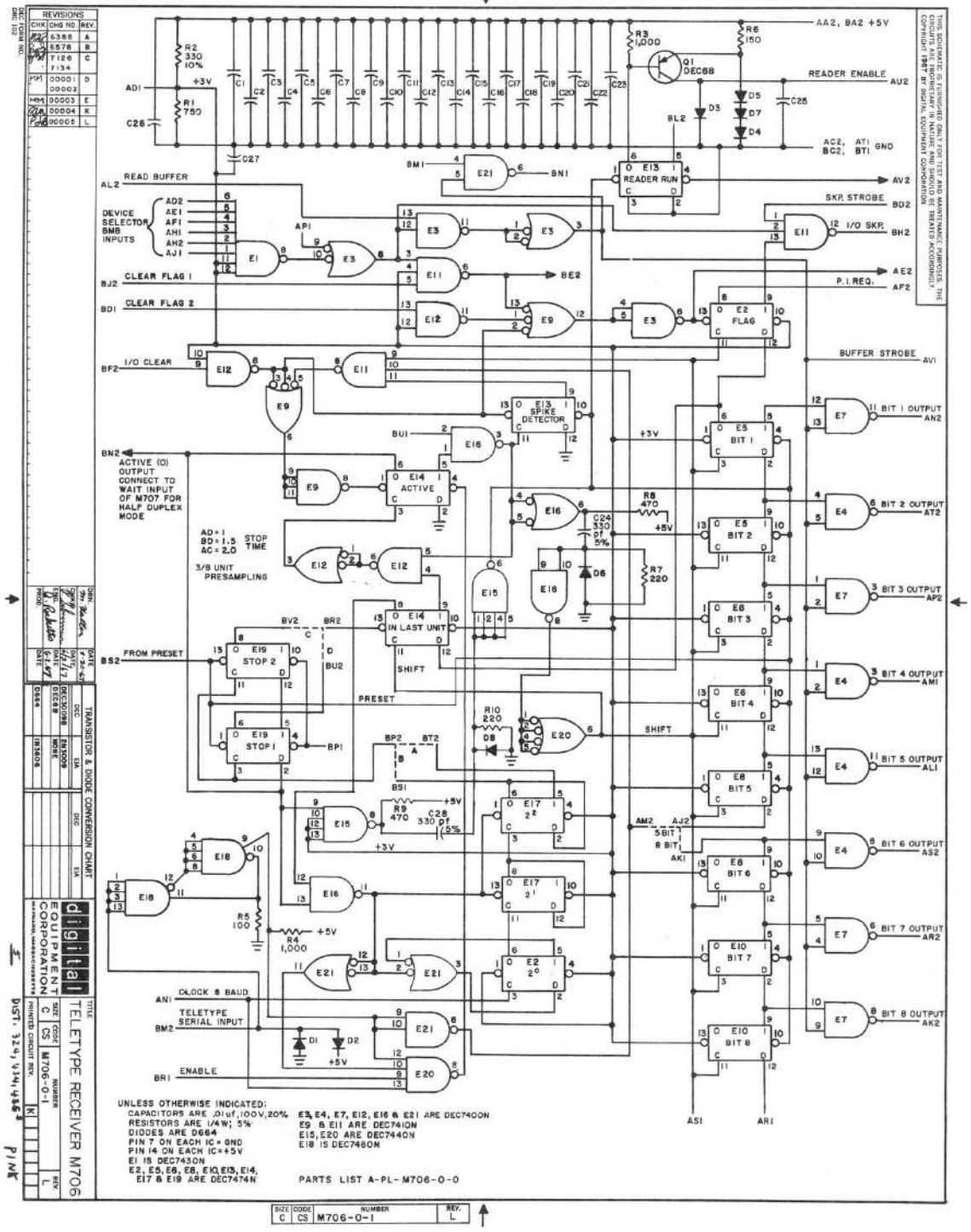
PRINTED CIRCUIT REV. J

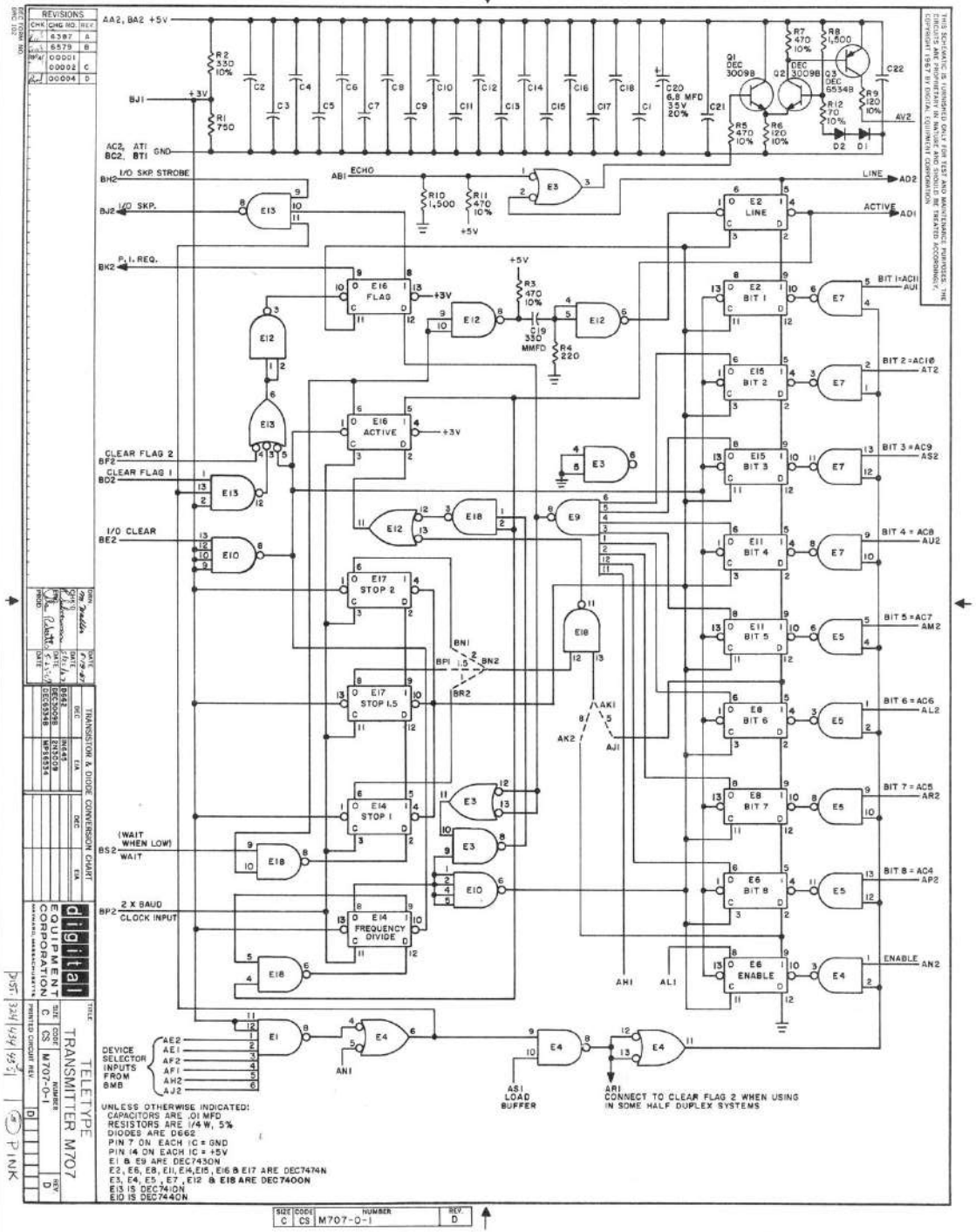
DEC FORM NO. DRB 102

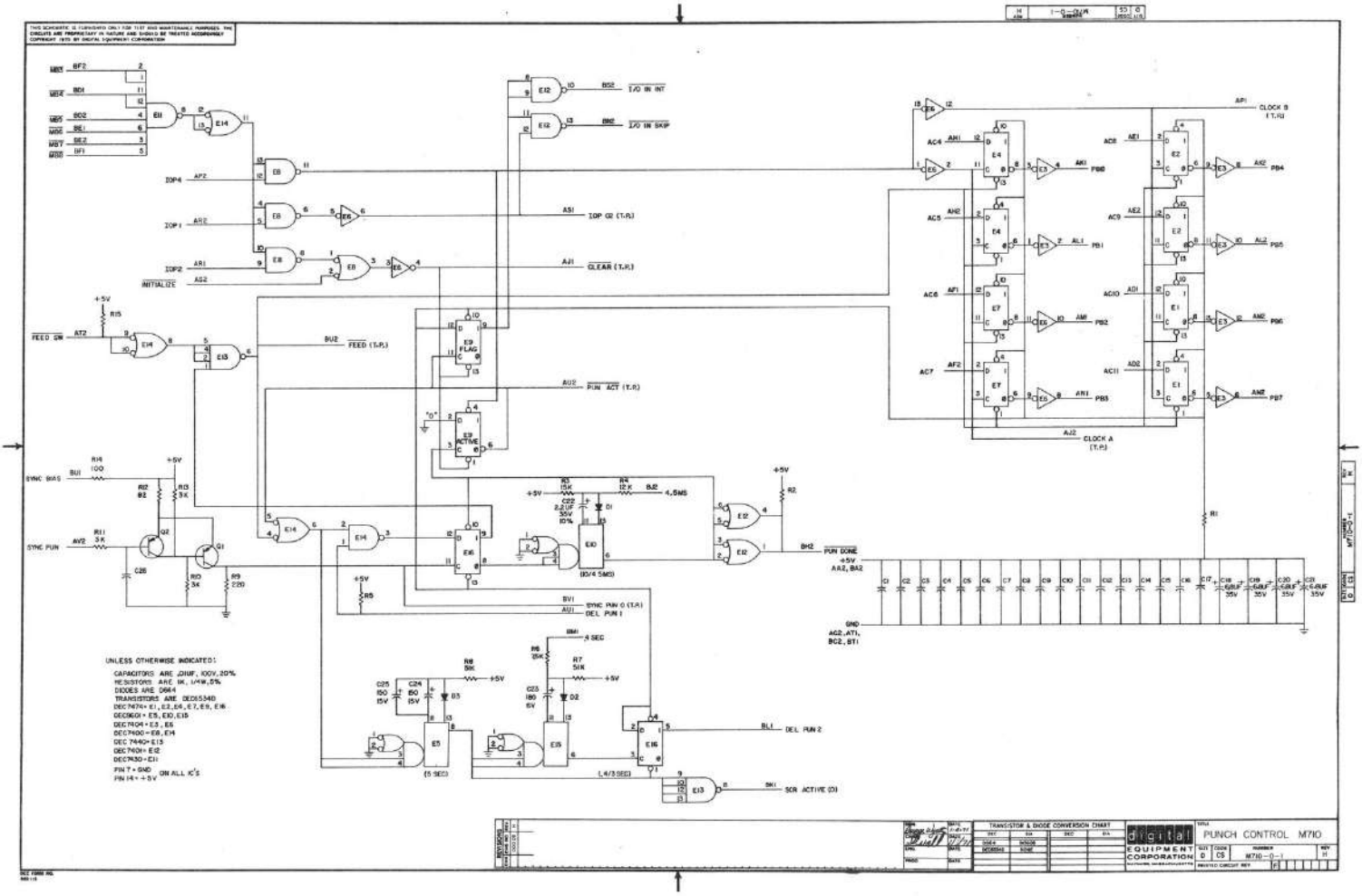
DIST 324 | 432 | 433 | PINK

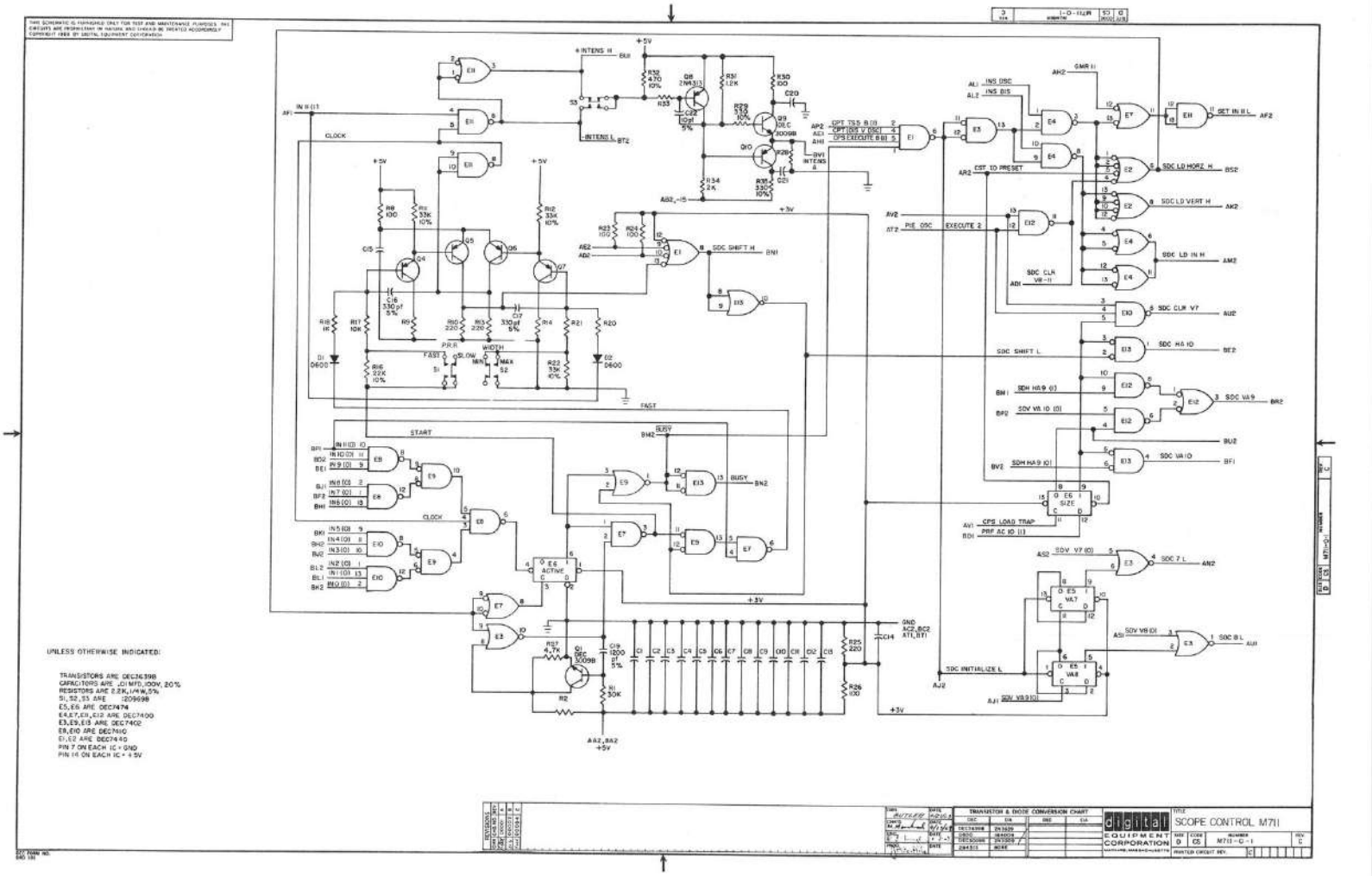

PLOTTER CONTROL M704
digital
EQUIPMENT CORPORATION
D
CS M704-0-1
UNLESS OTHERWISE INDICATED:
TRANSISTORS ARE DEC 6348
RESISTORS ARE 1/4 W, 5%
DIODES ARE D604
PIN 7 ON EACH IC = GND
PIN 14 ON EACH IC = +5V
E1 IS A DEC 7430N
E2, E5, E6, E14 ARE DEC 7474N
E3, E8, E9, E11, E12, E16, E17 ARE DEC 7400N
E4, E7, E10, E13, E15 ARE DEC 7460N
E18, E19 ARE DEC 74S10N
CAPACITORS ARE .01 MFD
PARTS LIST IS A-PL-M704-0-0
TRANSISTOR & DIODE CONVERSION CHART
PEN RIGHT
PEN LEFT
DRUM UP
DRUM DOWN
PEN UP
PEN DOWN
INTERRUPT
SKIP
FAST OP DONE
SLOW OP DONE
INITIALIZE
60 INST.
PLTR. FLAG(0)
PLTR. IOT
+5V
-15V
GND

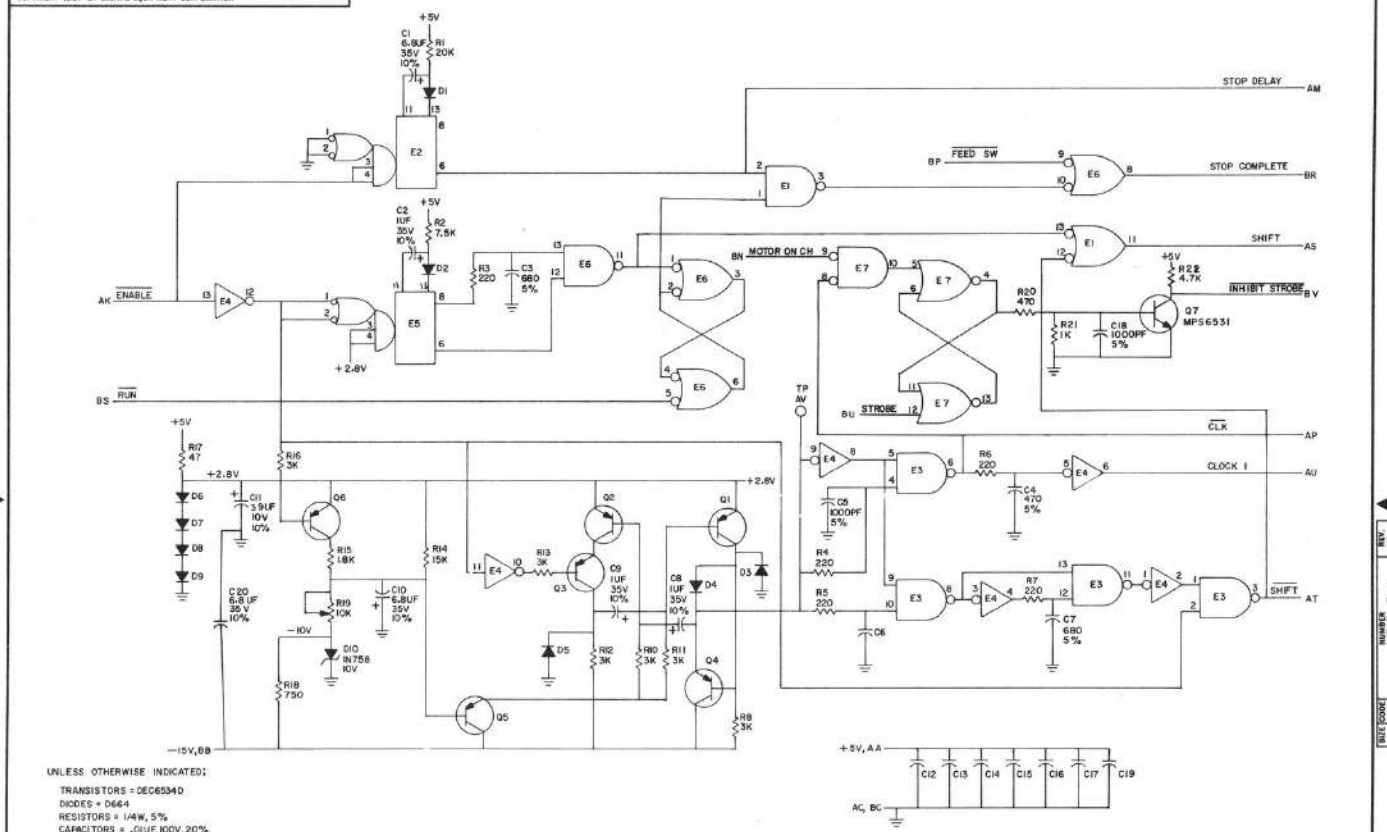

THIS SCHEMATIC IS FURNISHED ONLY FOR TEST AND MAINTENANCE PURPOSES. THE CIRCUITS ARE PROPRIETARY IN NATURE AND SHOULD BE TREATED ACCORDINGLY.
COPYRIGHT 1967 BY DIGITAL EQUIPMENT CORPORATION
UNLESS OTHERWISE INDICATED:
CAPACITORS ARE .01 MFD, 100V, 20%
PIN 7 ON EACH IC = GND
PIN 14 ON EACH IC = +5V
E1, E2, E3, E4, E10, E14, E18 ARE DEC7474
E6, E7, E5 ARE DEC7401
E8, E15, E16, E17, E11 ARE DEC7400
E12 IS DEC7430
E9 IS DEC7440
E13 IS DEC7410
RESISTORS ARE 1/4W, 5%
READER CONTROL M705
digital EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS
TRANSISTOR & DIODE CONVERSION CHART
M705-0-1


REVISIONS
CHK CHG NO REV.
6386 A
6578 B
7126 C
7134
00001 D
00002
00003 E
00004 K
00005 L
R2 330 10%
+3V
R1 750
AD1
C26
C1 C2 C3 C4 C5 C6 C7 C8 C9 C10 C11 C12 C13 C14 C15 C16 C17 C18 C19 C20 C21 C22 C23
C27
R3 1,000
R6 150
Q1 DEC68
D3
D5 D7 D4
C25
BL2
AA2, BA2 +5V
READER ENABLE AU2
AC2, AT1 GND
BC2, BT1
BM1
E21
BN1
E13 READER RUN
AV2
READ BUFFER
AL2
SKP STROBE BD2
DEVICE SELECTOR BMB INPUTS
AD2 AE1 AF1 AH1 AH2 AJ1
E1
API
E3
E11
I/O SKP. BH2
AE2
CLEAR FLAG 1
BJ2
P.I. REQ. AF2
CLEAR FLAG 2
BD1
E12
E9
E2 FLAG
BUFFER STROBE AV1
I/O CLEAR
BF2
E13 SPIKE DETECTOR
BU1
E16
+3V
E5 BIT 1
E7 11 BIT 1 OUTPUT AN2
BN2
ACTIVE (0) OUTPUT CONNECT TO WAIT INPUT OF M707 FOR HALF DUPLEX MODE
E14 ACTIVE
R8 470
+5V
C24 330 pf 5%
E5 BIT 2
E4 6 BIT 2 OUTPUT AT2
AD=1 BD=1.5 AC=2.0 STOP TIME
3/8 UNIT PRESAMPLING
D6
R7 220
E15
E18
E7 3 BIT 3 OUTPUT AP2
E6 BIT 3
BV2 BR2
E14 IN LAST UNIT
FROM PRESET
BS2
E19 STOP 2
BU2
SHIFT
E4 3 BIT 4 OUTPUT AM1
E6 BIT 4
PRESET
R10 220
D8
E20
SHIFT
E4 11 BIT 5 OUTPUT AL1
E8 BIT 5
BP2 BT2
E19 STOP 1
BP1
BS1
R9 470
C28 330 pf (5%)
E17 2²
AM2 AJ2
5 BIT 8 BIT
AK1
E4 8 BIT 6 OUTPUT AS2
E6 BIT 6
E18
R5 100
R4 1,000
E16
E17 2¹
E7 6 BIT 7 OUTPUT AR2
E10 BIT 7
E21
E2 2⁰
CLOCK 8 BAUD
ANI
TELETYPE SERIAL INPUT
BM2
D1 D2
E7 8 BIT 8 OUTPUT AK2
E10 BIT 8
ENABLE
BR1
ASI ARI
UNLESS OTHERWISE INDICATED:
CAPACITORS ARE .01uf, 100V, 20%
RESISTORS ARE 1/4W, 5%
DIODES ARE D664
PIN 7 ON EACH IC = GND
PIN 14 ON EACH IC = +5V
E1 IS DEC7430N
E2, E5, E6, E8, E10, E13, E14, E17 & E19 ARE DEC7474N
E3, E4, E7, E12, E16 & E21 ARE DEC7400N
E9 & E11 ARE DEC7410N
E15, E20 ARE DEC7440N
E18 IS DEC7460N
PARTS LIST A-PL-M706-0-0
THIS SCHEMATIC IS FURNISHED ONLY FOR TEST AND MAINTENANCE PURPOSES. THE CIRCUITRY IS PROPRIETARY AND MUST BE TREATED ACCORDINGLY
COPYRIGHT 1967 BY DIGITAL EQUIPMENT CORPORATION
DRAWN
CHECKED
ENGR
PROJ
DATE 6-30-67
DATE 6/30/67
DATE 6/30/67
TRANSISTOR & DIODE CONVERSION CHART
DEC
DEC M3008 DEC D8
DEC M3009 DEC D9
DEC M3010 DEC D10
DEC M3011 DEC D11
DEC M3012 DEC D12
DEC M3013 DEC D13
DEC M3014 DEC D14
DEC M3015 DEC D15
DEC M3016 DEC D16
DEC M3017 DEC D17
DEC M3018 DEC D18
EIA
2N3009
2N3010
2N3011
2N3012
2N3013
2N3014
2N3015
2N3016
2N3017
2N3018
IRC
M3008
M3009
M3010
M3011
M3012
M3013
M3014
M3015
M3016
M3017
M3018
digital
EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS
TITLE
TELETYPE RECEIVER M706
PRINTED CIRCUIT REV. K
SIZE C
CODE CS
NUMBER M706-0-1
REV. L
DIST. 324, 1141, 1148
PINK
SIZE C CS M706-0-1 REV. L


AA2, BA2 +5V
BJ1
+3V
AC2, AT1
BC2, BT1
GND
BH2 I/O SKP STROBE
BJ2 I/O SKP.
BK2 P.I. REQ.
CLEAR FLAG 2
BF2
CLEAR FLAG 1
BD2
I/O CLEAR
BE2
BS2 (WAIT WHEN LOW) WAIT
BP2 2 X BAUD CLOCK INPUT
ABI ECHO
LINE AD2
ACTIVE AD1
BIT 1=AC11 AU1
BIT 2=AC10 AT2
BIT 3=AC9 AS2
BIT 4=AC8 AU2
BIT 5=AC7 AM2
BIT 6=AC6 AL2
BIT 7=AC5 AR2
BIT 8=AC4 AP2
ENABLE AN2
AV2
AH1
AL1
AK1
AK2
AJ1
AN1
AS1 LOAD BUFFER
AR1 CONNECT TO CLEAR FLAG 2 WHEN USING IN SOME HALF DUPLEX SYSTEMS
DEVICE SELECTOR INPUTS FROM SMB
AE2
AE1
AF2
AF1
AH2
AJ2
UNLESS OTHERWISE INDICATED:
CAPACITORS ARE .01 MFD
RESISTORS ARE 1/4 W, 5%
DIODES ARE D662
PIN 7 ON EACH IC = GND
PIN 14 ON EACH IC = +5V
E1 & E9 ARE DEC7430N
E2, E6, E8, E11, E14, E15, E16 & E17 ARE DEC7474N
E3, E4, E5, E7, E12 & E18 ARE DEC7400N
E13 IS DEC7410N
E10 IS DEC7440N
TELETYPE
TRANSMITTER M707
digital
EQUIPMENT CORPORATION
SIZE C
CODE CS
NUMBER M707-0-1
REV. D
TRANSISTOR & DIODE CONVERSION CHART


PUNCH CONTROL M710
UNLESS OTHERWISE INDICATED:
CAPACITORS ARE .01MF, 100V, 20%
RESISTORS ARE 1K, 1/4W, 5%
DIODES ARE D664
TRANSISTORS ARE DEC5340
DEC7474= E1, E3, E6, E7, E9, E16
DEC9601= E5, E10, E15
DEC7404= E2, E6
DEC7400= E8, E14
DEC 7440= E13
DEC7401= E12
DEC7430= E11
PIN 7 = GND
PIN 14 = +5V ON ALL IC'S
TRANSISTOR & DIODE CONVERSION CHART
digital
EQUIPMENT CORPORATION
CLOCK B (T.R)
CLOCK A (T.R)
I/O IN INT
I/O IN SKIP
IOP Q2 (T.R)
CLEAR (T.R)
FEED (T.R)
PUN ACT (T.R)
SYNC PUN 0 (T.R)
DEL PUN 1
DEL PUN 2
SCR ACTIVE (O)
PUN DONE
4.5MS
8 SEC
(5 SEC)
(1.4/3 SEC)
(10/4.5MS)


+INTENS H
-INTENS L
CLOCK
START
BUSY
FAST
SLOW
MIN
MAX
PRR
WIDTH
SDC SHIFT H
SDC SHIFT L
SDC LD HORZ H
SDC LD VERT H
SDC LD IN H
SDC CLR V7
SDC HA 10
SDC VA 9
SDC VA 10
SDC 7 L
SDC 8 L
SET IN H L
CPS LOAD TRAP
SIZE
GND
+5V
+3V
-8V1
INTENS
PIE OSC
EXECUTE 2
SDC INITIALIZE L
SDV V7 (0)
SDV V8 (0)
SDH HA 9 (0)
SDV VA 10 (0)
PRF AC 10 (1)
CPT TSS B (0)
CPT 105 V OSC
CPS EXECUTE B (1)
CST TO PRESET
SDC CLR V8-11
E1
E2
E3
E4
E5
E6
ACTIVE
E7
E8
E9
E10
E11
E12
E13
E14
E15
Q1
DEC 3009B
Q2
DEC 3009B
Q3
2N4313
Q4
Q5
Q6
Q7
Q8
Q9
DEC 3009B
Q10
D1
D600
D2
D600
R1
30K
R2
R3
12K
R4
2K
R5
33K 10%
R6
100
R7
10K
R8
1K
R9
220
R10
33K 10%
R11
33K 10%
R12
100
R13
220
R14
R16
22K 10%
R17
10K
R18
1K
R20
R21
R22
33K 10%
R23
100
R24
100
R25
220
R26
100
R27
4.7K
R28
332 10%
R29
332 10%
R30
100
R31
330 10%
R32
470 10%
R33
R34
2K
C1
C2
C3
C4
C5
C6
C7
C8
C9
C10
C11
C12
C13
C14
C15
C16
330 pf 5%
C17
330 pf 5%
C18
1200 pf 5%
C20
10pf 5%
C21
C22
S1
S2
S3
UNLESS OTHERWISE INDICATED:
TRANSISTORS ARE DEC2N3906
CAPACITORS ARE .01 MFD, 100V, 20%
RESISTORS ARE 0.25K, 1/4W, 5%
S1, S2, S3 ARE 1209698
E5, E6 ARE DEC7474
E4, E7, E9, E12 ARE DEC7400
E3, E9, E13 ARE DEC7402
E8, E10 ARE DEC7410
E1, E2 ARE DEC7420
PIN 7 ON EACH IC = GND
PIN 14 ON EACH IC = 4.5V
TRANSISTOR & DIODE CONVERSION CHART
digital
EQUIPMENT CORPORATION
SCOPE CONTROL M711
M711-C-1



UNLESS OTHERWISE INDICATED:

TRANSISTORS = DEC6534D
DIODES = D664
RESISTORS = 1/4W, 5%
CAPACITORS = .01UF, 100V, 20%
E1, E3, E6 = DEC7400
E4 = DEC7404
E2, E5 = DEC9601
PIN 7 = GND, ON ALL IC'S
PIN 14 = +5V
E7 = DEC7402

REVISIONS			
CHK	CHG NO	REV	
AY	00006	E	K
REV'S PER E.C. CANCELS 000, 00005			

DRN	M. HALLER	DATE 10/16/67
CHKD	R. SILVERMAN	DATE 11/ 2/67
ENG.	R. G. SOGGE	DATE 11/ 2/67
PROD		DATE

TRANSISTOR & DIODE CONVERSION CHART

DEC	EIA	DEC	EIA
DEC6534D	MPS6534	IN758	SAME
D664	IN3606		
DEC6531	MPS6531		

digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS

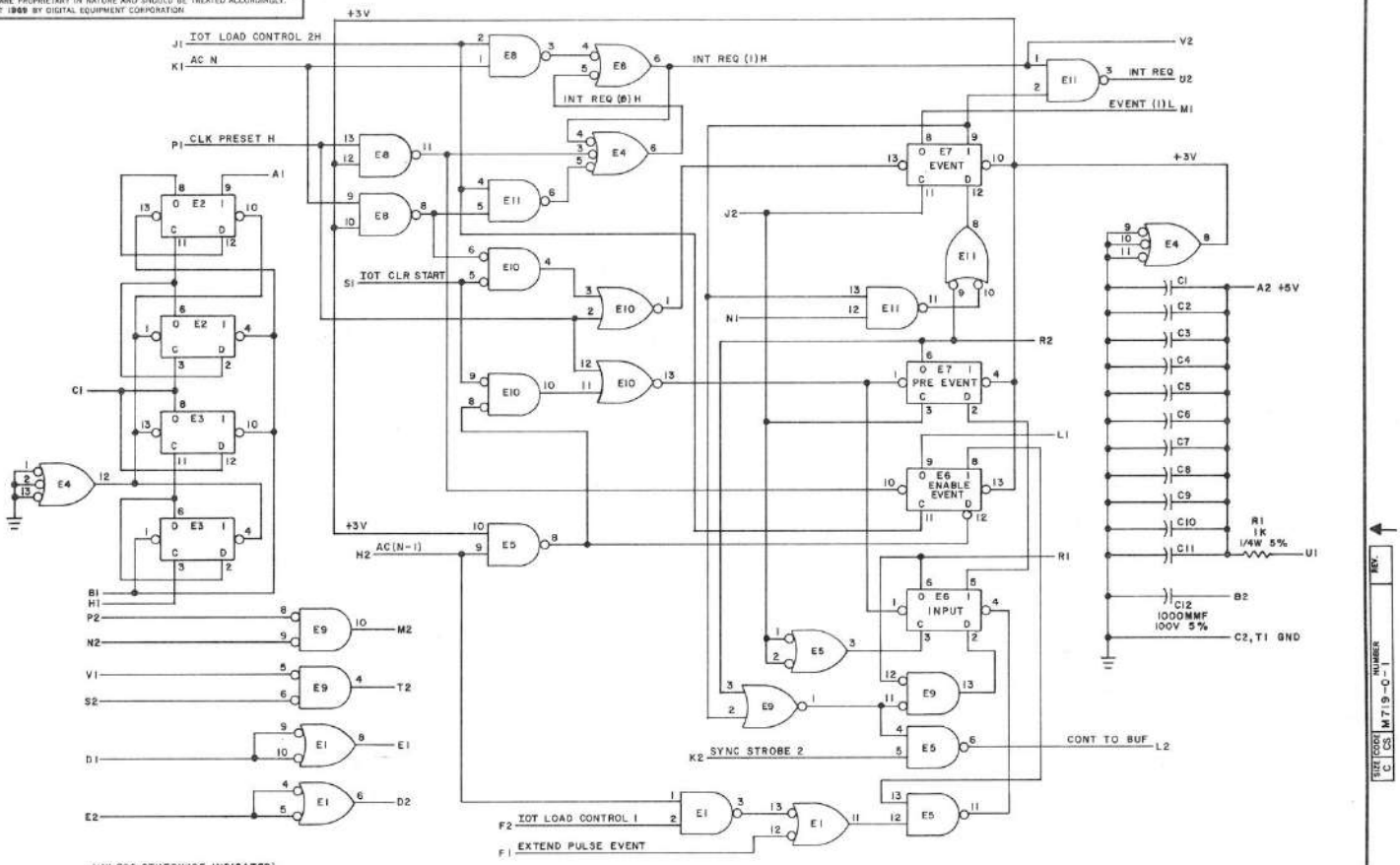
TITLE: READER CLOCK M715

SIZE	CODE	NUMBER	REV
C	CS	M715-0-1	K

PRINTED CIRCUIT REV. E

DEC FORM NO. DRC 1013

REV	NUMBER	SIZE/CODE
K	M715-0-1	C CS



UNLESS OTHERWISE INDICATED:
CAPACITORS ARE .01MFD
PIN 7 ON EACH IC = GND
PIN 14 ON EACH IC = +5V
E1, E5, E8, E11 ARE DEC7400N
E2, E3, E6, E7 ARE DEC7474N
E4 IS DEC7410N
E9, E10 ARE DEC7402N

REVISIONS	ECO NO.	REV.

DRN. M. Waller	DATE 4-9-69	
CHK'D M.M. Michaud	DATE 4-10-69	
ENG.	DATE	
PROD.	DATE	

TRANSISTOR & DIODE CONVERSION CHART

DEC	EIA	DEC	EIA

digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS

TITLE KW12 CLOCK INPUT SYNCHRONIZER M719

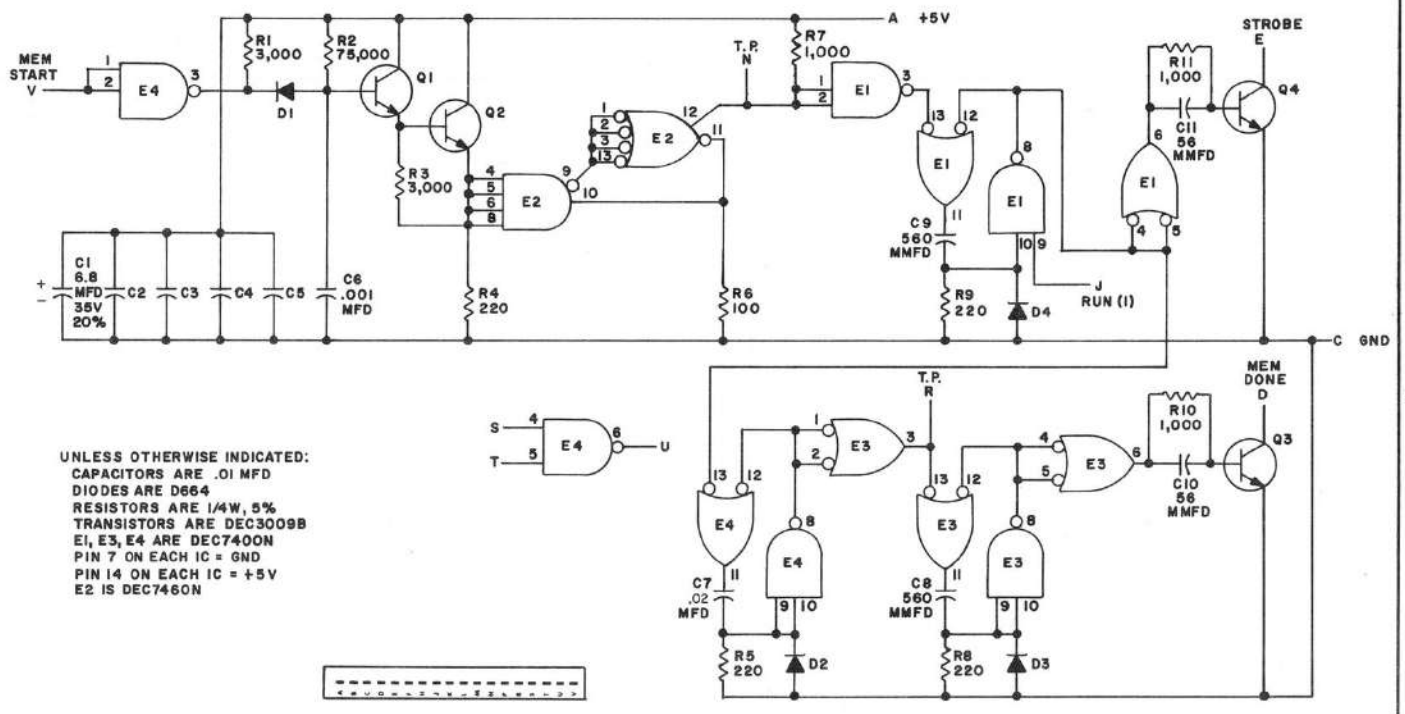
SIZE	CODE	NUMBER	REV.
C	CS	M719-0-1	

PRINTED CIRCUIT REV. A

SIZE C | CODE CS | NUMBER M719-0-1 | REV.

DEC FORM NO. DWG 1102

SIZE	CODE	NUMBER	REV.
B	CS	M720-0-1	A



UNLESS OTHERWISE INDICATED:
CAPACITORS ARE .01 MFD
DIODES ARE D664
RESISTORS ARE 1/4W, 5%
TRANSISTORS ARE DEC3009B
E1, E3, E4 ARE DEC7400N
PIN 7 ON EACH IC = GND
PIN 14 ON EACH IC = +5V
E2 IS DEC7460N

REVISIONS			
CHK	CHG NO.	REV.	
	00001	A	

DRN. M. Walker	DATE 9-28-67	
CHK'D	DATE	
ENG	DATE 9/28/67	
PROD.	DATE	

TRANSISTOR & DIODE CONVERSION CHART

DEC	EIA	DEC	EIA
DEC3009B	2N3009		
D664	IN3606		

digital EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS

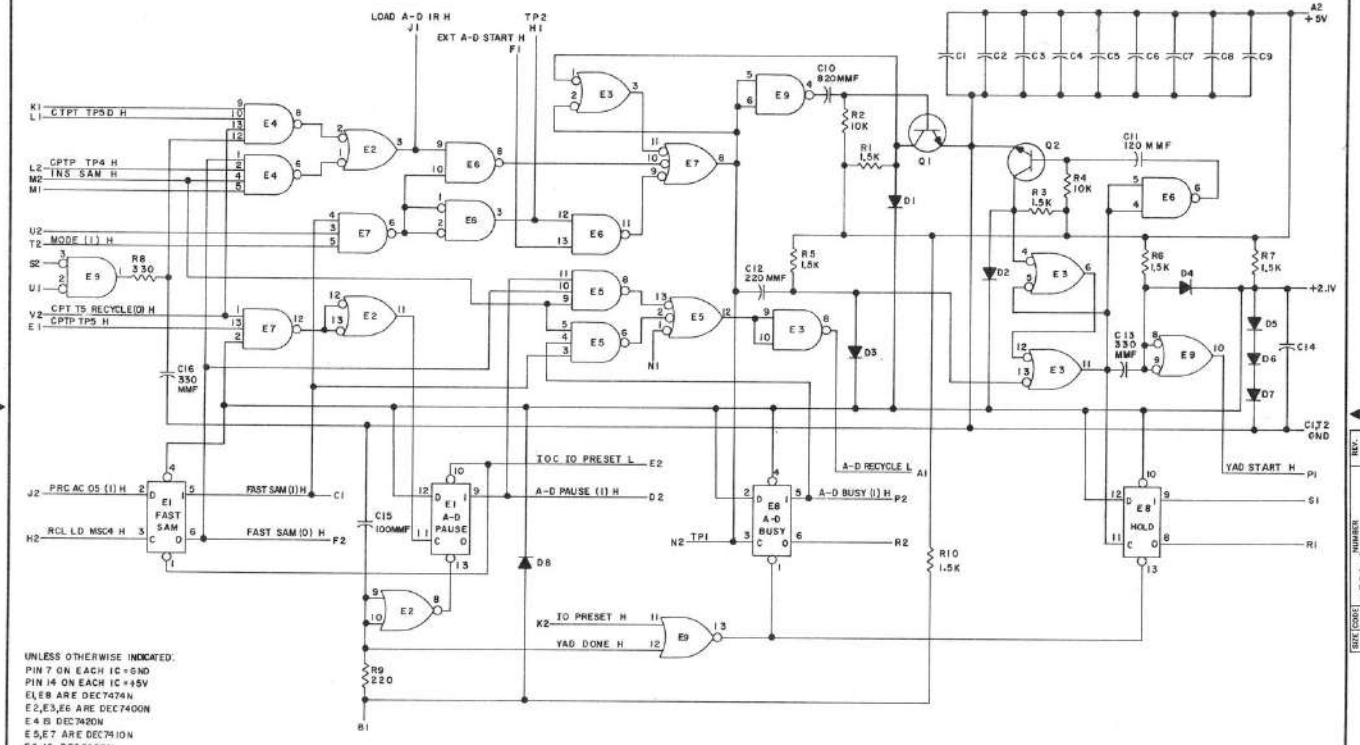
TITLE: MEMORY DETECTION M720

SIZE	CODE	NUMBER	REV.
B	CS	M720-0-1	A

PRINTED CIRCUIT REV. A

DEC FORM NO. DRB 102

5 DIST, 324, 434, 435 PINK



UNLESS OTHERWISE INDICATED:
PIN 7 ON EACH IC = GND
PIN 14 ON EACH IC = +5V
E1,E8 ARE DEC7474N
E2,E3,E6 ARE DEC7400N
E4 IS DEC7420N
E5,E7 ARE DEC7410N
E9 IS DEC7402N
CAPACITORS ARE .01MFD, 100V
DIODES ARE D664
RESISTORS ARE 1/4W 5%
TRANSISTORS ARE DEC 3009B

TRANSISTOR & DIODE CONVERSION CHART			
DEC	EIA	DEC	EIA
D664	IN3606		
DEC3009B	2N3009B		

DRN.		DATE 5-19-69
CHK'D		DATE 6-20-69
ENGR.		DATE 7-8-69
PROD.		DATE

digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS

TITLE: A-D CONTROL M760

SIZE	CODE	NUMBER	REV.
C	CS	M760-0-1	

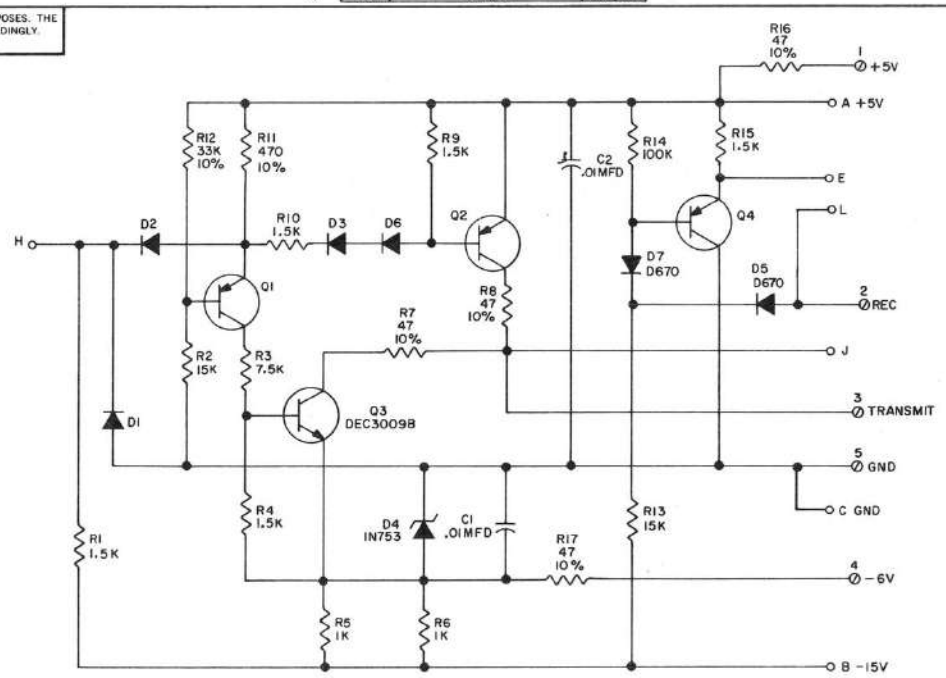
PRINTED CIRCUIT REV. A

REVISIONS
CHK. CHG NO. REV.

DEC FORM NO. DMC 102

DIST. SH. #37, #35 3 PINK 5/

SIZE	CODE	NUMBER	REV.
B	CS	M850-0-1	A



UNLESS OTHERWISE INDICATED:
Ø ARE SPLIT LUGS
RESISTORS ARE 1/4W,5%
DIODES ARE D664
TRANSISTORS ARE DEC6534B

REVISIONS	CHK	CHG NO.	REV
		0001	A

DRN.	BUTLER	DATE 6/3/69
CHK'D	W. Marshall	DATE 6/3/69
ENG	Tom Kay	DATE 6/3/69
PROD.		DATE 6/10/69

TRANSISTOR & DIODE CONVERSION CHART

DEC	EIA	DEC	EIA
DEC6534B	MPS6534		
DEC3009B	2N3009		
D664	IN3606		
D670	IN3653		

digital EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS

TITLE CONVERTER AND CABLE CONNECTOR M850

SIZE	CODE	NUMBER	REV.
B	CS	M850-0-1	A

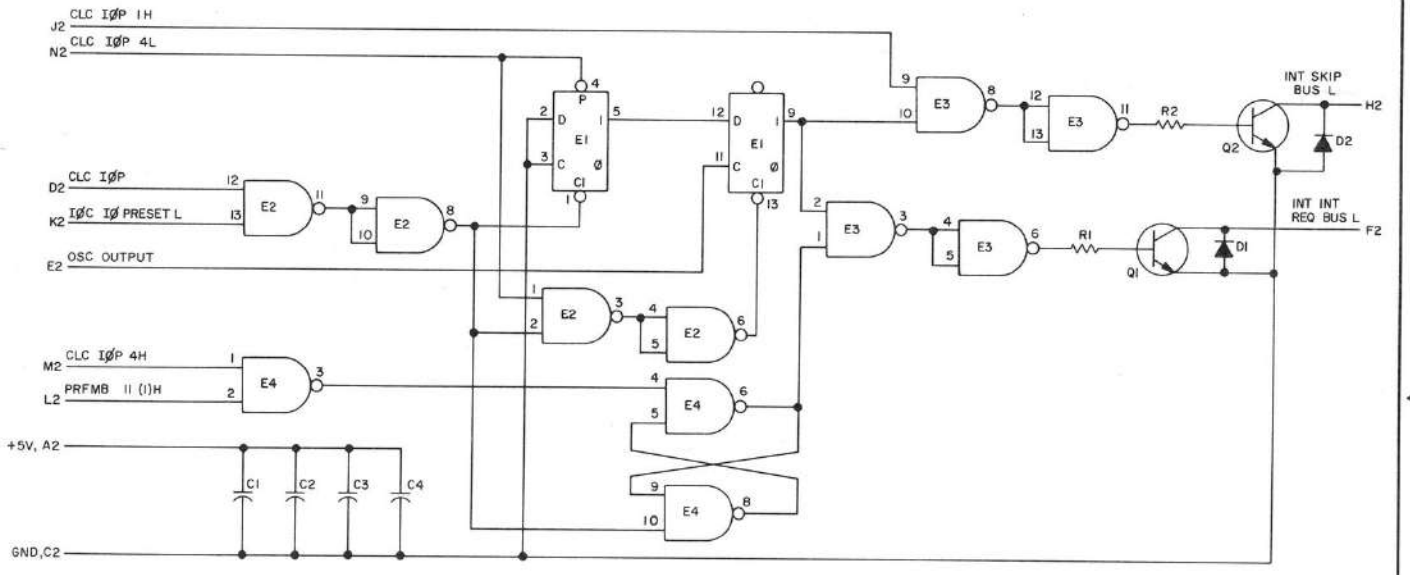
PRINTED CIRCUIT REV. A

DEC FORM NO. DRB 102

5 DIST. 324, 434, 435

PINK

REV	NUMBER	SIZE	CODE
	M870-0-1	B	CS



UNLESS OTHERWISE INDICATED:
RESISTORS ARE 390, 1/4W, 5%
CAPACITORS ARE .01 MFD, 100V, 20%
TRANSISTORS ARE DEC3009B
DIODES ARE D664
E2, E3, E4 ARE DEC7400
E1 IS DEC7474
PIN 7 ON EACH IC = GND
PIN 14 ON EACH IC = +5V

REVISIONS	CHK	CHG NO	REV

DRN. BUTLER	DATE	1-19-70
CHK'D	DATE	3-13-70
ENG.	DATE	5/25/70
PROD.	DATE	6/5/70

TRANSISTOR & DIODE CONVERSION CHART

DEC	EIA	DFC	EIA
D664	IN3606		
DEC3009B-S	2N3009B		

digital EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS

TITLE: SIMPLE CLOCK M870

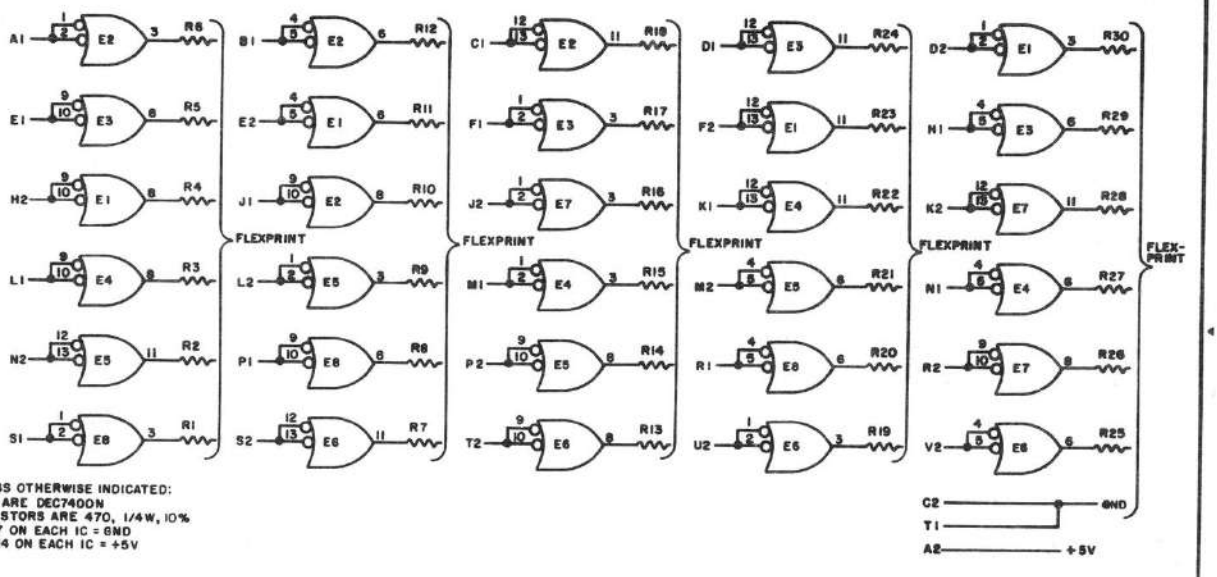
SIZE	CODE	NUMBER	REV.
B	CS	M870-0-1	

PRINTED CIRCUIT REV. A

DEC FORM NO. DRB 102

DIST. 324, 434, 435-3

5 PINK



UNLESS OTHERWISE INDICATED:
IC'S ARE DEC7400N
RESISTORS ARE 470, 1/4W, 10%
PIN 7 ON EACH IC = GND
PIN 14 ON EACH IC = +5V

PARTS LIST IS A-PL-M900-0-0

REVISIONS			
CHR	CHG NO.	REV	
KC	00001	A	
KC	00002	B	

DRN W. Mellen 7-5-67
CHK'D 7/5/67
ENG
PROD. 30

TRANSISTOR & DIODE CONVERSION CHART

DEC	EIA	DEC	EIA

EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS

TITLE PDP-8-I CONSOLE CONNECTOR M900

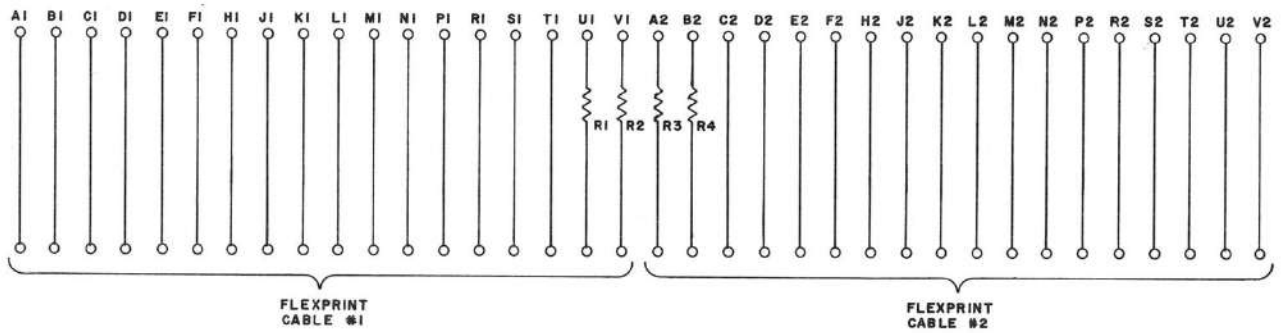
SIZE	CODE	NUMBER	REV.
B	CS	M900-0-1	B

PRINTED CIRCUIT REV. C D

DCC FORM NO. DRB 102

DIST. 324, 434, 435 S PINK

SIZE	CODE	NUMBER	REV.
B	CS	M901-0-1	C



REFERENCE DESIGNATION	DESCRIPTION	PART NO.
R1 - R4	RES. 10 1/4W 10% CC	1300170
	PARTS LIST	A-PL-M901-0-0

PARTS LIST

REVISIONS			
CHK	CHG NO.	REV.	
[illegible]	00001	C	

DRN. M. Walker	DATE 8-14-68	
CHKD. [illegible]	DATE 8-19-68	
ENG. [illegible]	DATE 11/5/68	
PROD.	DATE	

TRANSISTOR & DIODE CONVERSION CHART

DEC	EIA	DEC	EIA

digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS

TITLE FLEXPRINT CABLE CONNECTOR M901

SIZE	CODE	NUMBER	REV.
B	CS	M901-0-1	C

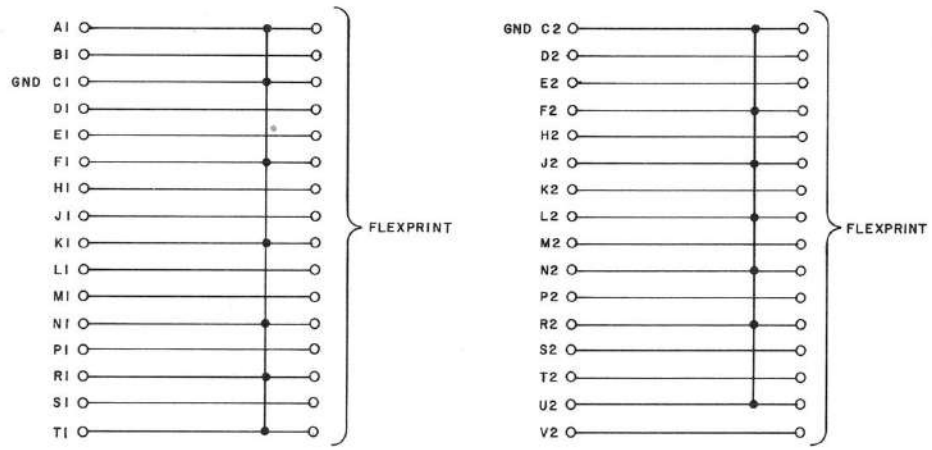
PRINTED CIRCUIT REV. B C

DIST. 324 484 433

PINK

DEC FORM NO. DRB 102

SIZE	CODE	NUMBER	REV.
B	CS	M903-0-1	



PARTS LIST IS A-PL-M903-0-0

REVISIONS	REV.	CHG NO.	CHK

DRN.		DATE	7-2-68
CHK'D		DATE	7-3-68
ENG		DATE	7/12/68
PROD.		DATE	

TRANSISTOR & DIODE CONVERSION CHART			
DEC	EIA	DEC	EIA

digital
EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS

TITLE: CONNECTOR (FLEXPRINT) M903

SIZE	CODE	NUMBER	REV.
B	CS	M903-0-1	

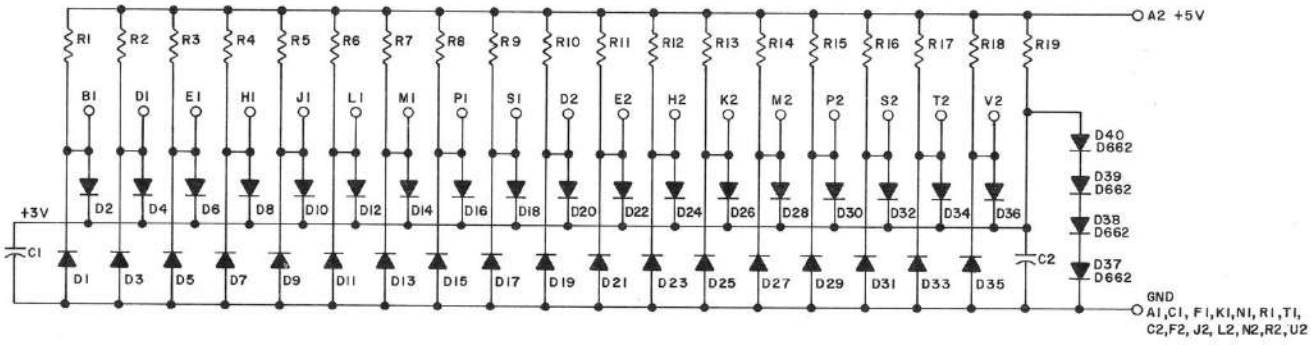
PRINTED CIRCUIT REV. A

DEC FORM NO.
DRB 102

DIST: 324 434 435

PINK

SIZE	CODE	NUMBER	REV.
B	CS	M906-0-1	B



UNLESS OTHERWISE INDICATED:
RESISTORS ARE 220, 1/4W,5%
DIODES ARE D664
CAPACITORS ARE .01 MFD, 100V,20%

REVISIONS			
CHK	CHG NO.	REV.	
REV. & REDR.	10001	B	

DRN. M. HALLER	DATE 8-2-68	
CHK'D W. MULLEN	DATE 8-2-68	
ENG. D.A. WHITE	DATE 10-16-68	
PROD.	DATE	

TRANSISTOR & DIODE CONVERSION CHART

DEC	EIA	DEC	EIA
D662	IN645		
D664	IN3606		

digital EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS

TITLE: CABLE TERMINATOR M906

SIZE	CODE	NUMBER	REV.
B	CS	M906-0-1	B

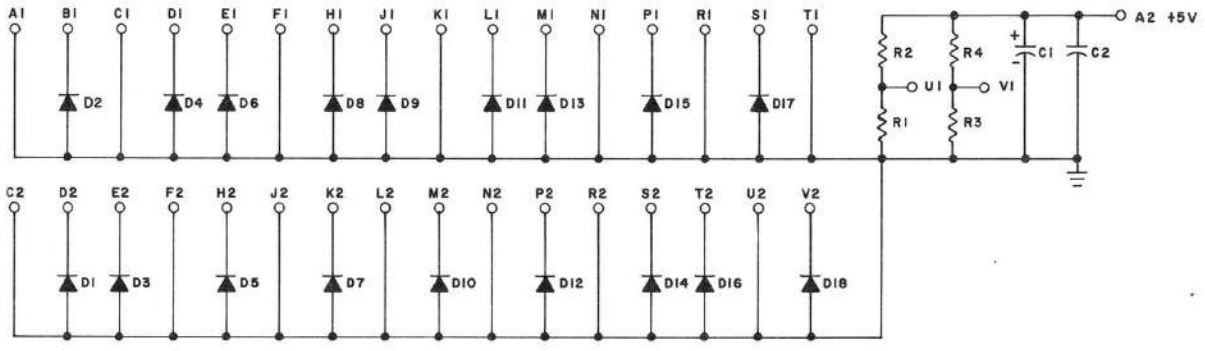
PRINTED CIRCUIT REV. A B

DEC FORM NO. DRB 102

5

DIST. 324,434,435 PINK

SIZE	CODE	NUMBER	REV
B	CS	M907-0-1	



REFERENCE DESIGNATION	DESCRIPTION	PART NO.
	PARTS LIST	A-PL-M907-0-0
D1-D18	DIODE D664	1100114
R2, R4	RES. 330 1/4W 5% CC	1300295
R1, R3	RES. 750 1/4W 5% CC	1301401
C1	CAP. 6.8MFD 35V 20% S.TANT	1000067
C2	CAP. .01MFD 100V 20% DISC	1001610

PARTS LIST

REVISIONS	CHK	CHG NO.	REV.

DRN. M. Weller	DATE 8-9-68	
CHK'D M. Weller	DATE 8-9-68	
ENG. [illegible]	DATE 9/11/68	
PROD.	DATE	

TRANSISTOR & DIODE CONVERSION CHART

DEC	EIA	DEC	EIA
D664	IN3606		

digital EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS

TITLE: DIODE CLAMP M907

SIZE	CODE	NUMBER	REV.
B	CS	M907-0-1	

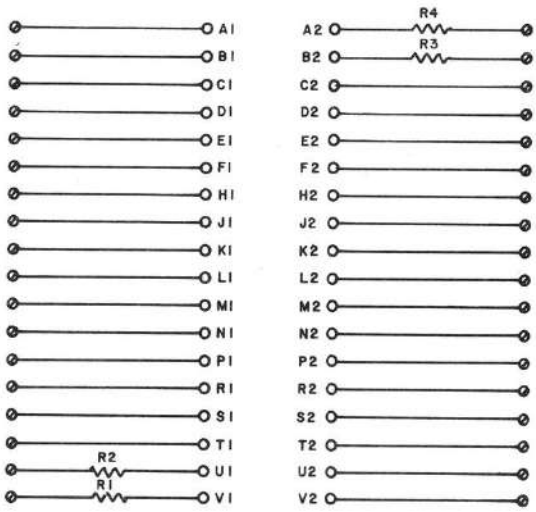
PRINTED CIRCUIT REV. A

DEC FORM NO. DRB 102

D15 324 434 435

PINK

SIZE	CODE	NUMBER	REV.
B	CS	M908-0-1	



Ø SPLIT LUG

REFERENCE DESIGNATION	DESCRIPTION	PART NO.
	PARTS LIST	A-PL-M908-0-0
R1 - R4	RES. 10 1/4W 10% CC	1300170

PARTS LIST

REVISIONS			
CHK	CHG NO.	REV	

DRN. M. Miller	DATE 9-27-68	
CHK'D W. Miller	DATE 9-27-68	
ENG. J. Hogg	DATE 11/5/68	
PROD.	DATE	

TRANSISTOR & DIODE CONVERSION CHART

DEC	EIA	DEC	EIA

digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS

TITLE: CONNECTOR MODULE M908

SIZE	CODE	NUMBER	REV.
B	CS	M908-0-1	

PRINTED CIRCUIT REV. B

DEC FORM NO. DRB 102

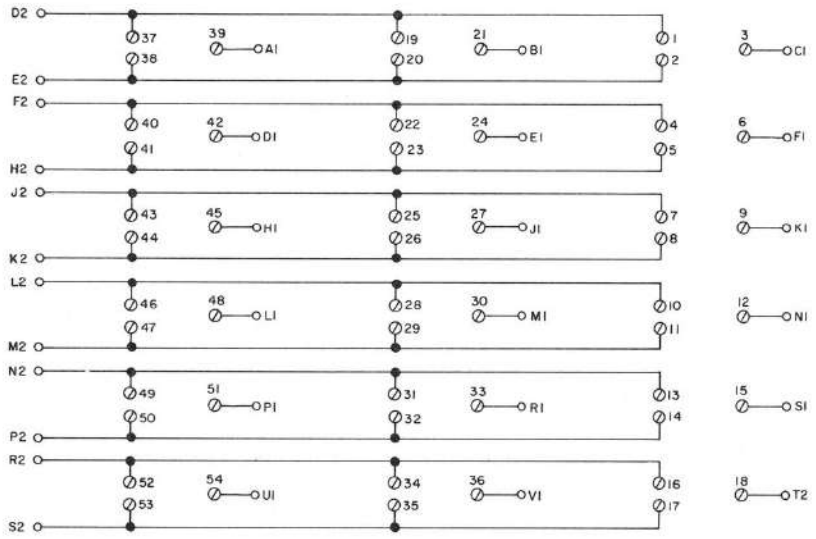
PINK DIST. 324 434 435²

SIZE	CODE	NUMBER	REV.
B	CS	M921-0-1	

PIN SIGNAL ASSIGNMENTS

OUT			
DEVICE A	DEVICE B	DEVICE C	SIGNAL
AI	BI	CI	MB3
DI	EI	FI	MB4
HI	JI	KI	MB5
LI	MI	NI	MB6
PI	RI	SI	MB7
UI	VI	T2	MB8

IN	
D2	MB3(0)
E2	MB3(1)
F2	MB4(0)
H2	MB4(1)
J2	MB5(0)
K2	MB5(1)
L2	MB6(0)
M2	MB6(1)
N2	MB7(0)
P2	MB7(1)
R2	MB8(0)
S2	MB8(1)



UNLESS OTHERWISE INDICATED:
⌀ ARE SPLIT LUGS

REVISIONS					
CHK	CHG NO.	REV.			
			DRN. BUTLER	DATE 1/16/69	
			CHK'D [illegible]	DATE [illegible]	
			ENG. [illegible]	DATE 4/29/69	
			PROD.	DATE	

TRANSISTOR & DIODE CONVERSION CHART			
DEC	EIA	DEC	EIA

digital EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS

TITLE DEVICE CODE SELECT JUMPER BOARD

SIZE	CODE	NUMBER	REV.
B	CS	M921-0-1	

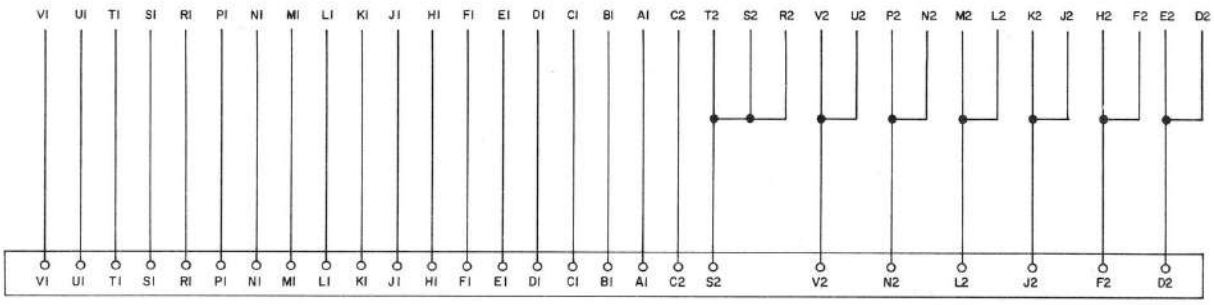
PRINTED CIRCUIT REV. B

DEC FORM NO.
DRB 102

5 DIST: 324,434,4353

PINK

SIZE	CODE	NUMBER	REV.
B	CS	M941-0-1	



CONNECTOR 7900-0155-0

REVISIONS	REV.	CHG NO.	CHK

DRN. NANCY MOORE	DATE 4/14/70	
CHK'D	DATE 4/14/70	
ENG.	DATE 5/6/70	
PROJ.	DATE 5/7/70	

TRANSISTOR & DIODE CONVERSION CHART

DEC	EIA	DEC	EIA

digital EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS

TITLE JUMPER/EXTENDER BOARD M941

SIZE	CODE	NUMBER	REV.
B	CS	M941-0-1	

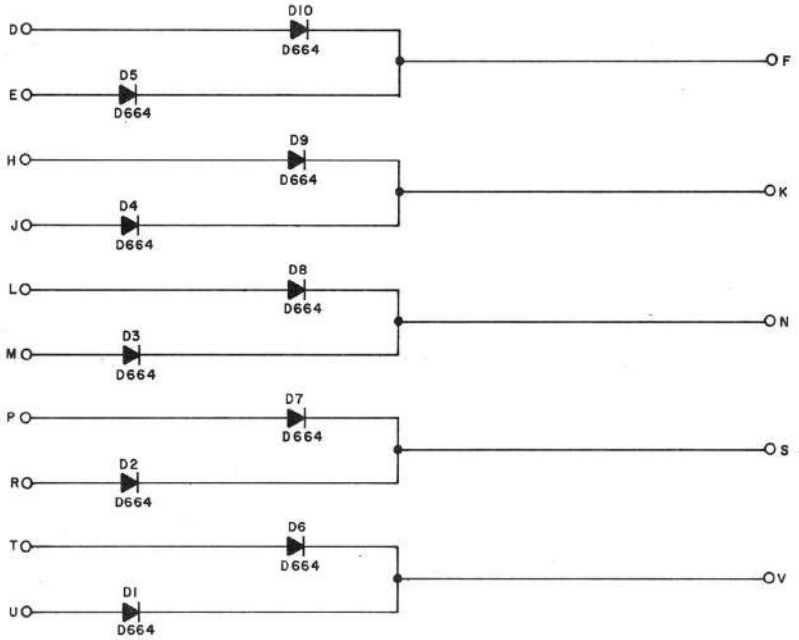
PRINTED CIRCUIT REV. A

DEC FORM NO. DRB 102

DIST. 324,434,435 ²

5 PINK

SIZE	CODE	NUMBER	REV.
B	CS	R002-0-1	A



REVISIONS			
CHK	CHG NO	REV	
DLC	5537	REDR	A

DRN.	H. PORTER	DATE 5-21-64
CHK'D	N. PERRYMAN	DATE 5-25-64
ENG.	R. BANK	DATE 5-25-64
PROD.		DATE

TRANSISTOR & DIODE CONVERSION CHART

DEC	EIA	DEC	EIA
D664	IN3606		

digital EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS

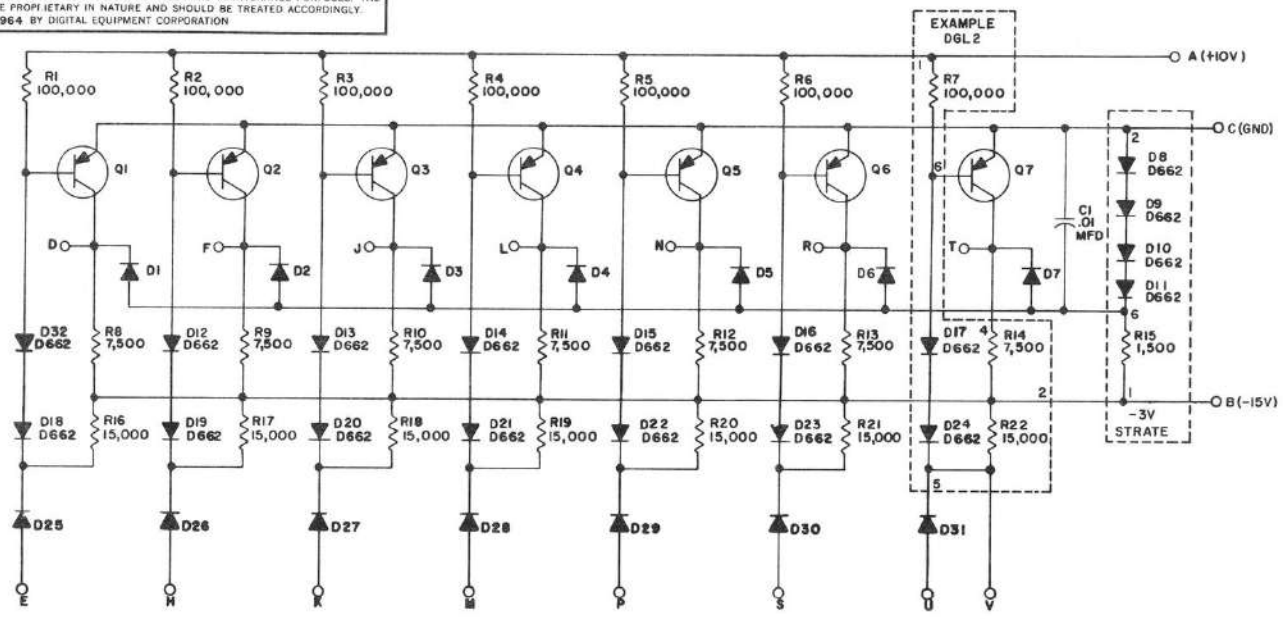
TITLE: DIODE CLUSTER R002

SIZE	CODE	NUMBER	REV.
B	CS	R002-0-1	A

PRINTED CIRCUIT REV. B

DEC FORM NO.
DPR 102

SIZE	CODE	NUMBER	REV.
B	CS	R107-0-1	H



UNLESS OTHERWISE INDICATED;
RESISTORS ARE 1/4W; 5%
DIODES ARE D-664
TRANSISTORS ARE DEC 3639B
PRINTED CIRCUIT REV. FOR
DGL BOARD IS SIA

REVISIONS			
CHK	CHG. NO	REV.	
DAW	4863	I	
REV. BY REDR.		D	
Rms	5377		
Drawing	5461	E	
Rms	5688	F	
Drawing	6539	H	

DRN. A OUELLETTE	DATE 9-1-64	
CHK'D N PERRYMAN	DATE 9-10-64	
ENG. D WHITE	DATE 9-10-64	
PROD.	DATE	

TRANSISTOR & DIODE CONVERSION CHART

DEC	EIA	DEC	EIA
DEC 3639B	2N3639		
D662	IN645		
D664	IN3606		

digital EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS

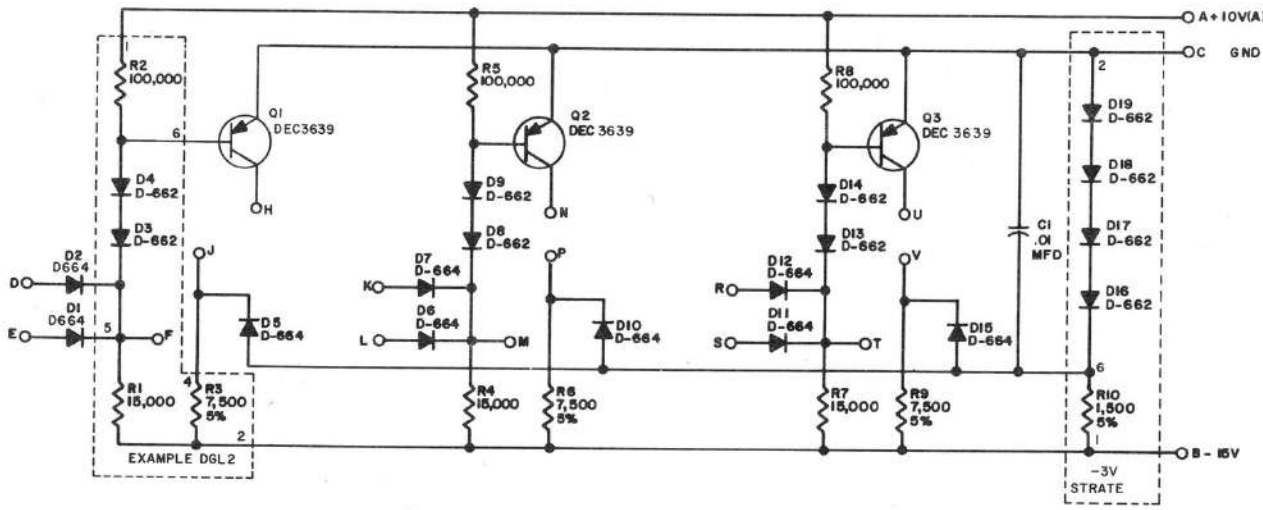
TITLE: INVERTER R107

SIZE	CODE	NUMBER	REV.
B	CS	R107-0-1	H

PRINTED CIRCUIT REV. C D

DEC FORM NO.
DRB 102

SIZE	CODE	NUMBER	REV
B	CS	RIII-0-1	F



UNLESS OTHERWISE INDICATED:
RESISTORS ARE 1/4W; 5%
PRINTED CIRCUIT REV. FOR
DGL BOARD IS SIB

REVISIONS	CHK	CHG NO	REV
DAW	4756	1	
REV'D REDR.	5378		D
Rev'd	5459		E
Rev'd	6634		F

DRN.	H PORTER	DATE 5-15-64
CHK'D	N. PERRYMAN	DATE 5-25-64
ENG.	R. BANK	DATE 5-25-64
PROD.		DATE

TRANSISTOR & DIODE CONVERSION CHART

DEC	EIA	DEC	EIA
DEC3639	2N3639		
D662	IN645		
D664	IN3606		

digital EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS

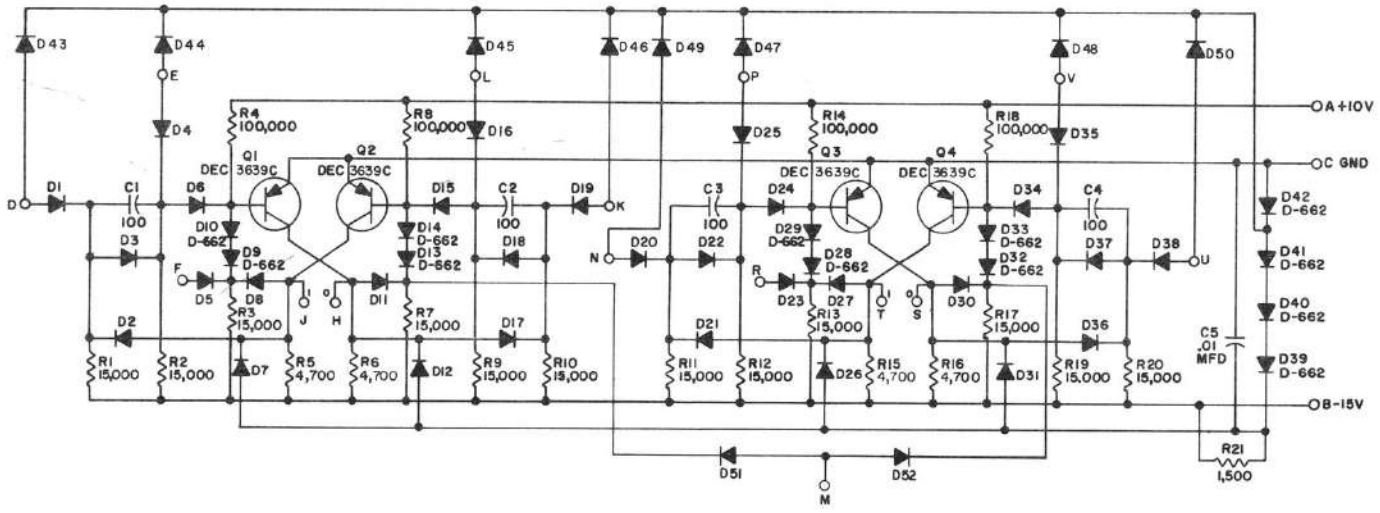
TITLE: DIODE GATE RIII

SIZE	CODE	NUMBER	REV.
B	CS	RIII-0-1	F

PRINTED CIRCUIT REV. D E F

DEC FORM NO.
DRB 102

SIZE	CODE	NUMBER	REV.
B	CS	R202-0-1	F



UNLESS OTHERWISE INDICATED:
RESISTORS ARE 1/4W, 5%
CAPACITORS ARE MMFD
DIODES ARE D-664

REVISIONS			
CHK	CHG NO.	REV.	
RMS	6330	4	
REV. & REDR.	8549	F	

DRN.	A. OUELLETTE	DATE 6-16-64
CHK'D	N. PERRYMAN	DATE 6-16-64
ENG.	R. BANK	DATE 6-22-64
PROD.		DATE

TRANSISTOR & DIODE CONVERSION CHART

DEC	EIA	DEC	EIA
DEC3639C	2N3639		
D662	IN645		
D664	IN3606		

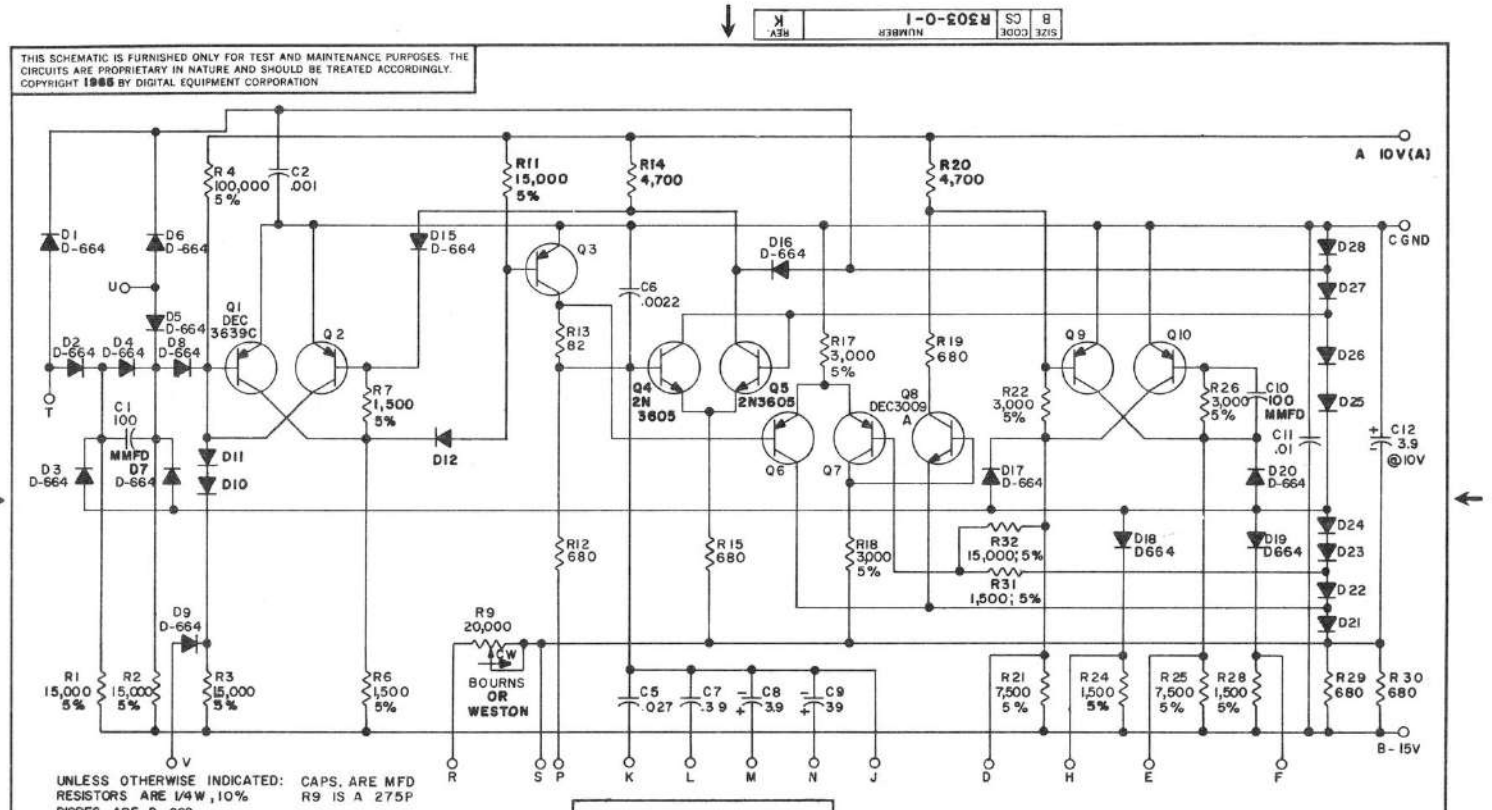
digital EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS

TITLE: DUAL FLIP FLOP R202

SIZE	CODE	NUMBER	REV.
B	CS	R202-0-1	F

PRINTED CIRCUIT REV. D E

DEC FORM NO. DRB 102



UNLESS OTHERWISE INDICATED: CAPS. ARE MFD
RESISTORS ARE 1/4W, 10% R9 IS A 275P
DIODES ARE D-662,
TRANSISTORS ARE DEC 3639B PARTS LIST A-PL-R303-0-0

REVISIONS	CHK	CHG NO.	REV.
DAW 5021	2	6098	D
REV & REDR.	Q	6173	E
8528		6500	F
		6669	H
		6767	J
		6897	K

DRN.	I. HAHN	DATE 4-8-65
CHK'D	R. SILVERMAN	DATE 4-16-65
ENG.	R. DOANE	DATE 4-16-65
PROD.		DATE

TRANSISTOR & DIODE CONVERSION CHART

DEC	EIA	DEC	EIA
DEC3639B	2N3639	DEC3639C	2N3639
DEC3009	2N3009		
2N3605	2N3605		
D662	IN645		
D664	IN3606		

digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS

TITLE: INTEGRATING ONE-SHOT R303

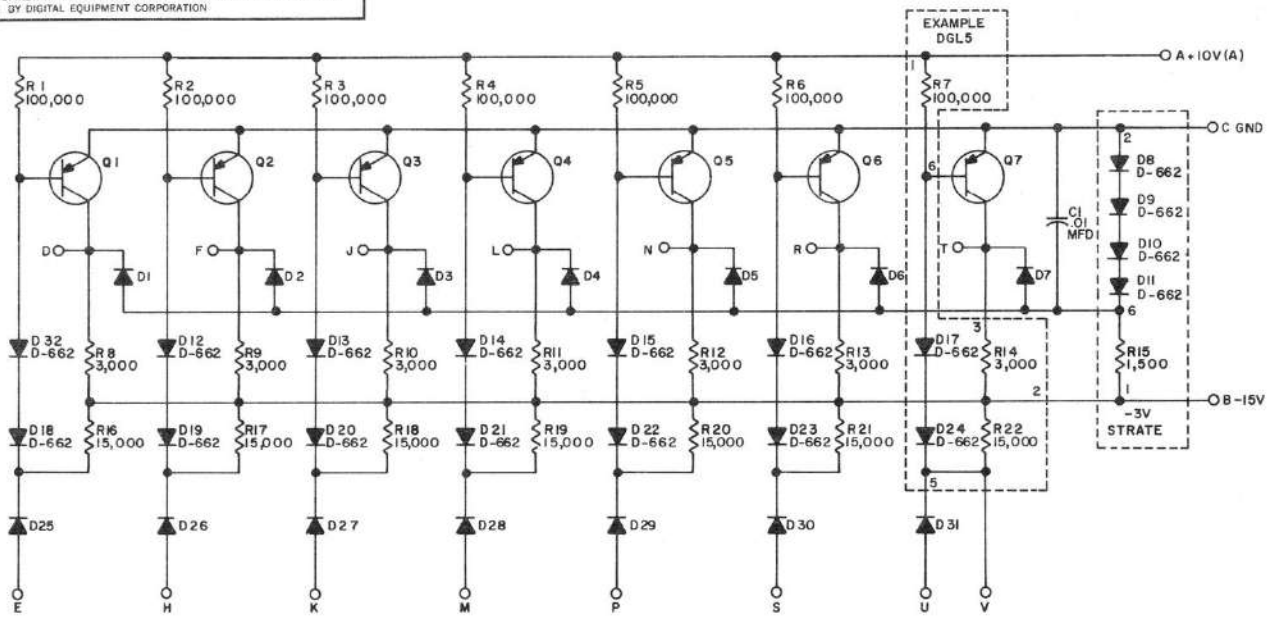
SIZE	CODE	NUMBER	REV.
B	CS	R303-0-1	K

PRINTED CIRCUIT REV. D

DEC FORM NO. DRB 102

PINK DIST 3/24 4/24 4/27

SIZE	CODE	NUMBER	REV
B	CS	S107-0-1	D



UNLESS OTHERWISE INDICATED:
RESISTORS ARE 1/4 W; 5%
DIODES ARE D-664
TRANSISTORS ARE DEC 3639B
PRINTED CIRCUIT REV. FOR
DGL BOARD IS S1A

USE THE ETCH BOARD OF THE R107

PARTS LIST A-PL-S107-0-0

REVISIONS	CHK	CHG NO	REV
	REV & REDR.	5384	B
		5458	C
		6857	D

DRN	I HAHN	DATE 6-11-65
CHK'D	R SILVERMAN	DATE 6-18-65
ENG.	R SOGGE	DATE 6-18-65
PROD.		DATE

TRANSISTOR & DIODE CONVERSION CHART

DEC	EIA	DEC	EIA
DEC 3639B	2N3639		
D662	IN645		
D664	IN3605		

digital EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS

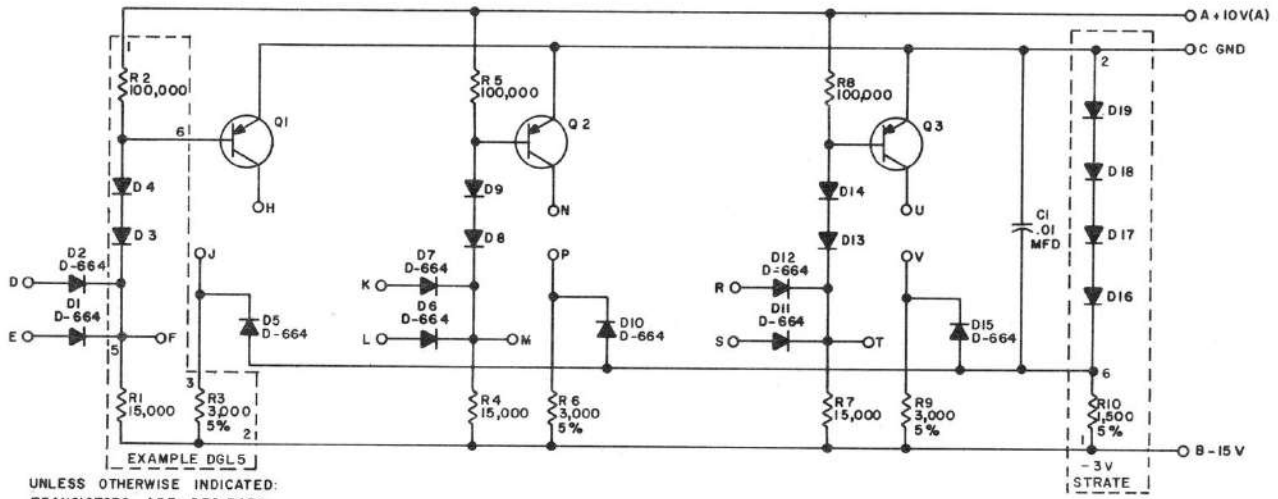
TITLE: INVERTER S107

SIZE	CODE	NUMBER	REV
B	CS	S107-0-1	D

PRINTED CIRCUIT REV. D

DEC FORM NO. DRB 102

SIZE	CODE	NUMBER	REV.
B	CS	SIII-0-1	D



UNLESS OTHERWISE INDICATED:
TRANSISTORS ARE DEC 3639
RESISTORS ARE 1/4W; 10%
DIODES ARE D-662
PRINTED CIRCUIT REV. FOR DGL BOARD IS SIA

USE THE ETCH BOARD OF THE RIII

REVISIONS			
CHK	CHG NO.	REV.	
REV.	5365	B	
Brad	5460	C	
Brad	6750	D	

DRN.	I HAHN	DATE 6-10-65
CHK'D	R SILVERMAN	DATE 6-18-65
ENG.	R SOGGE	DATE 6-18-65
PROD.		DATE

TRANSISTOR & DIODE CONVERSION CHART

DEC	EIA	DEC	EIA
DEC3639	2N3639		
D662	IN645		
D664	IN3606		

digital EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS

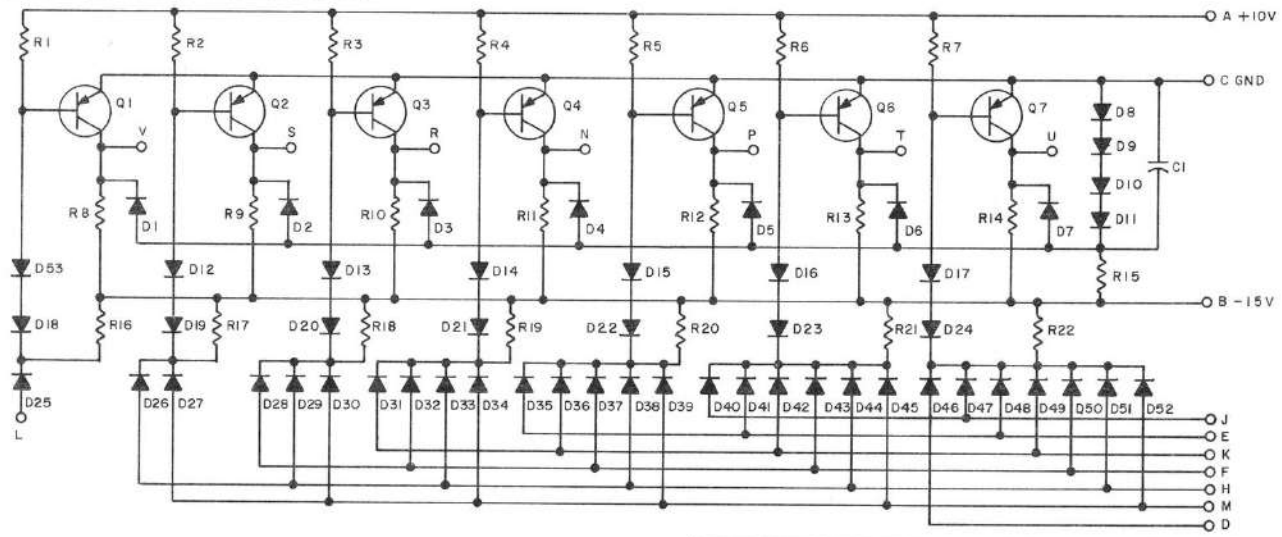
TITLE: DIODE GATE SIII

SIZE	CODE	NUMBER	REV
B	CS	SIII-0-1	D

PRINTED CIRCUIT REV. D F

DEC FORM NO.
DRB 102

SIZE	CODE	NUMBER	REV.
B	CS	S181-0-1	A



USE THE ETCH BOARD OF THE R181

REFERENCE DESIGNATION	DESCRIPTION	PART NO.
	PARTS LIST	A-PL-S181-0-0
Q1 THRU Q7	TRANSISTOR DEC3639B	1502762
R16 THRU R22	RES. 15K 1/4W 5%	1300496
R15	RES. 1.5K 1/4W 5% CC	1300391
R8 THRU R14	RES. 3K 1/4W 5% CC	1300432
R1 THRU R7	RES, 100K 1/4W 5% CC	1302466
D1 THRU D7, D25 THRU D52	DIODE D664	1100114
D8 THRU D24, D53	DIODE D662	1100113
C1	CAP. .01MFD 50V -0+20% DISC	1000001

PARTS LIST

REVISIONS			
CHK	CHG NO	REV	
REV'D REDR	6759	A	

DRN. I. HAHN	DATE 6-11-65	
CHK'D R. SILVERMAN	DATE 6-18-65	
ENG. R. SOGGE	DATE 6-18-65	
PROD.	DATE	

TRANSISTOR & DIODE CONVERSION CHART

DEC	EIA	DEC.	EIA
DEC3639B	2N3639		
D662	IN645		
D664	IN3606		

digital EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS

TITLE: DC CARRY CHAIN S181

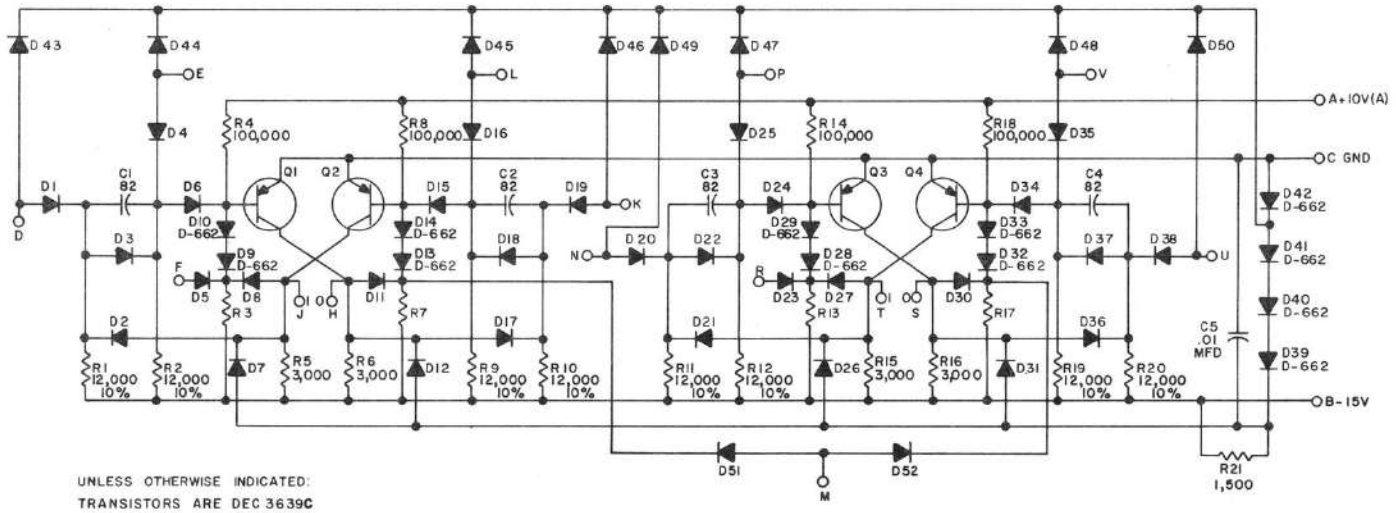
SIZE	CODE	NUMBER	REV.
B	CS	S181-0-1	A

PRINTED CIRCUIT REV. C

DIST. 324 434 435

DEC FORM NO. DRB 102

SIZE	CODE	NUMBER	REV
B	CS	S202-0-1	D



UNLESS OTHERWISE INDICATED:
TRANSISTORS ARE DEC 3639C
RESISTORS ARE 15,000
RESISTORS ARE 1/4W, 5%
CAPACITORS ARE MMFD
DIODES ARE D-664

USE THE ETCH BOARD OF THE R202

REVISIONS	CHK	CHG NO.	REV
	DAW	4994	1
	REV	B REDR.	
	Chk'd	6469	B
	Chk'd	6493	C
	Chk'd	6683	D

DRN. I. HAHN	DATE 6-15-65
CHK'D R. SIVERMAN	DATE 6-18-65
ENG. R. SOGGE	DATE 6-18-65
PROD.	DATE

TRANSISTOR & DIODE CONVERSION CHART

DEC	EIA	DEC	EIA
DEC 3639C	2N3639		
D662	IN645		
D664	IN3606		

digital EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS

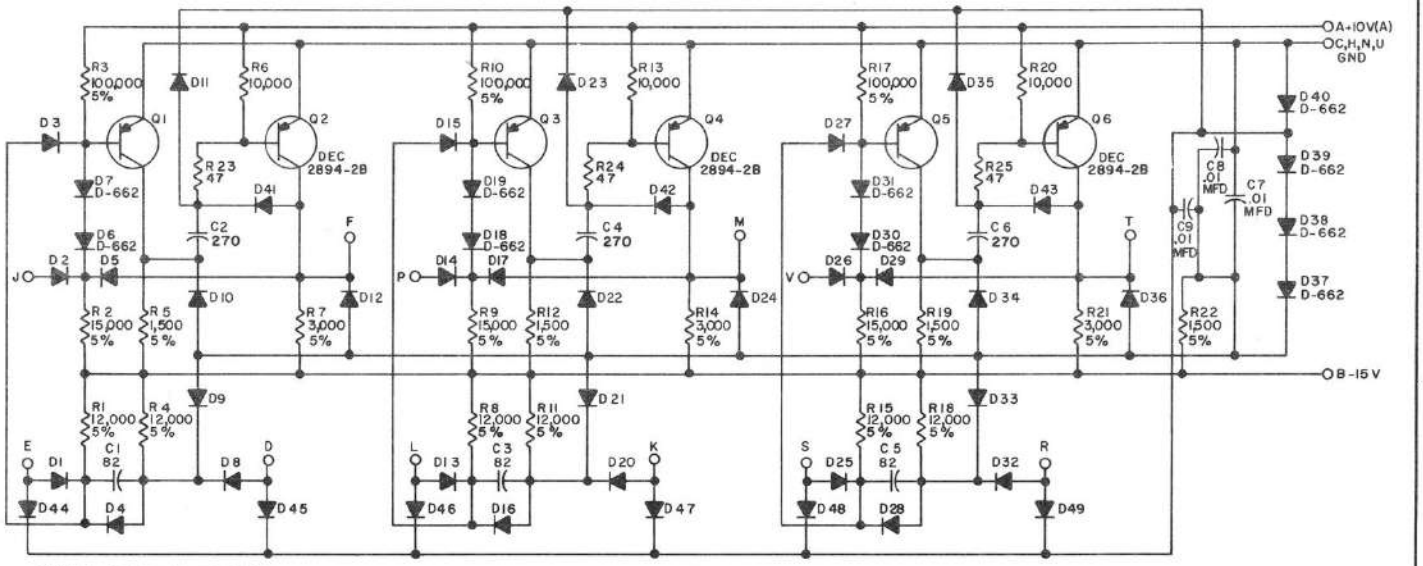
TITLE: DUAL FLIP-FLOP S202

SIZE	CODE	NUMBER	REV.
B	CS	S202-0-1	D

PRINTED CIRCUIT REV. D E

DEC FORM NO. DRB 102

SIZE	CODE	NUMBER	REV
B	CS	S603-0-1	E



UNLESS OTHERWISE INDICATED:
RESISTORS ARE 1/4W; 10%
CAPACITORS ARE MMFD
DIODES ARE D-664
TRANSISTORS ARE DEC 3639-C

USE THE ETCH BOARD OF THE R603

PARTS LIST A-PL-S603-0-0

REVISIONS			
CHK	CHG. NO.	REV.	
DAW	5273	C	
REV.	& REDR.	D	E
	5371		
	5923		
	6859		

DRN.	I HAHN	DATE 6-14-65
CHK'D	R SILVERMAN	DATE 6-18-65
ENG.	R. SOGGE	DATE 6-16-65
PROD.		DATE

TRANSISTOR & DIODE CONVERSION CHART			
DEC	EIA	DEC	EIA
DEC 2894-2B	NONE		
DEC 3639C	2N3639		
D662	IN645		
D664	IN3606		

digital EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS

TITLE: PULSE AMPLIFIER S603

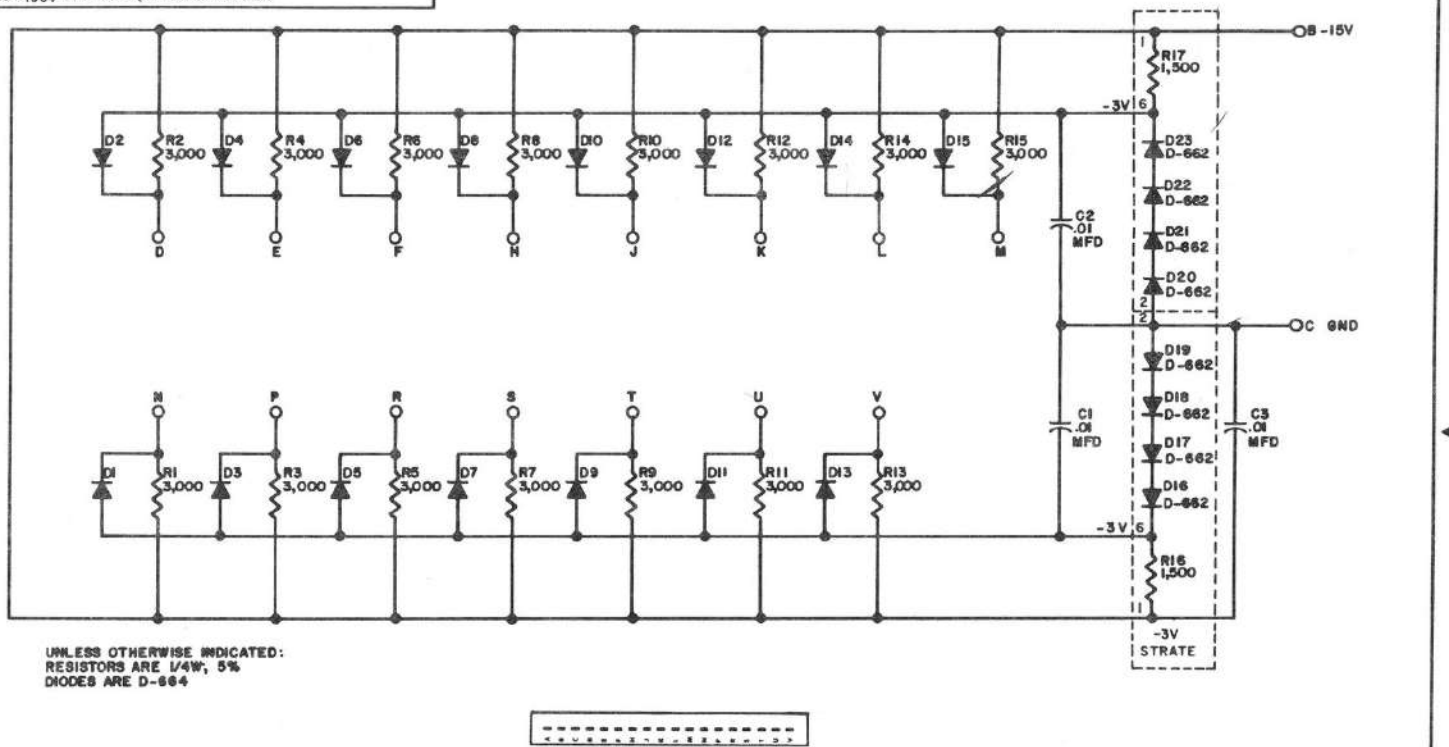
SIZE	CODE	NUMBER	REV
B	CS	S603-0-1	E

PRINTED CIRCUIT REV. D

DEC FORM NO.
DRB 102

DIST. 324 434 435

SIZE	CODE	NUMBER	REV.
B	CS	W005-0-1	B



UNLESS OTHERWISE INDICATED:
RESISTORS ARE 1/4W, 5%
DIODES ARE D-664

REVISIONS			
CHK	CHG NO.	REV	
DAW	5057	1	
REV. BY	REDR.	B	
[illegible]	5397		

DRN. H. PORTER	DATE 4-27-64	
CHK'D N. PERRYMAN	DATE 5-4-64	
ENG. B. SCUDNEY	DATE 5-4-64	
PROD.	DATE	

TRANSISTOR & DIODE CONVERSION CHART

DEC	EIA	DEC	EIA
D662	IN645		
D664	IN3606		

digital EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS

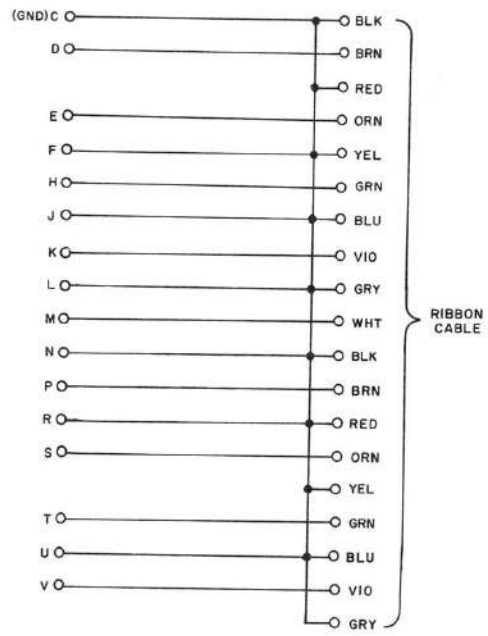
TITLE: CLAMPED LOADS W005

SIZE	CODE	NUMBER	REV.
B	CS	W005-0-1	B

PRINTED CIRCUIT REV. B

DEC FORM NO.
DRB 102

RS-B-W021-1

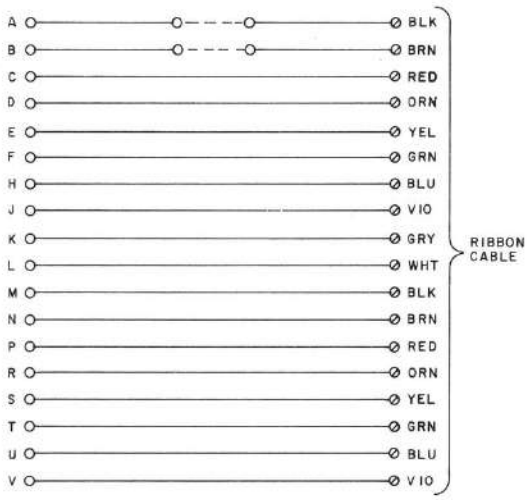


TRANSISTOR & DIODE CONVERSION CHART			
DEC	EIA	DEC	EIA

NOTES

A,B	RS-B-W021	1
SIGNAL CABLE CONNECTOR W021		

SIZE	CODE	NUMBER	REV.
B	CS	W023-0-1	



NOTE:
Ø ARE SPLIT LUGS

PARTS LIST IS A-PL-W023-0-0

REVISIONS	REV.	CHG NO.	CHK

DRN.	M. Waller	DATE 10-16-68
CHK'D.	M. Miller	DATE 10-18-68
ENG.	J. Godin	DATE 11-12-68
PROD.		DATE

TRANSISTOR & DIODE CONVERSION CHART			
DEC	EIA	DEC	EIA

digital
EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS

TITLE: CONNECTOR W023

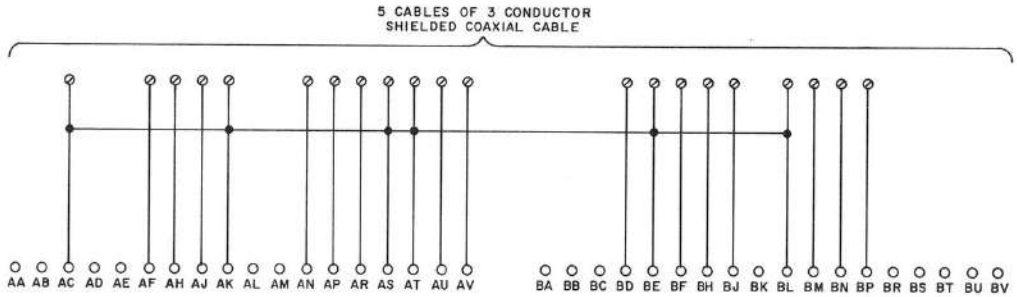
SIZE	CODE	NUMBER	REV.
B	CS	W023-0-1	

PRINTED CIRCUIT REV. A

DEC FORM NO.
DRB 102

PINK DIST. 1434 | 435 | 359

SIZE	CODE	NUMBER	REV.
B	CS	W032-0-1	



NOTE:
Ø ARE SPLIT LUGS

PARTS LIST IS A-PL-W032-0-0

REVISIONS					
CHK	CHG NO.	REV			
			DRN. M. Walker	DATE 10-16-68	
			CHK'D	DATE 10-17-68	
			ENG	DATE 11-12-68	
			PROD.	DATE	

TRANSISTOR & DIODE CONVERSION CHART			
DEC	EIA	DEC	EIA

digital
EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS

TITLE: CONNECTOR W032

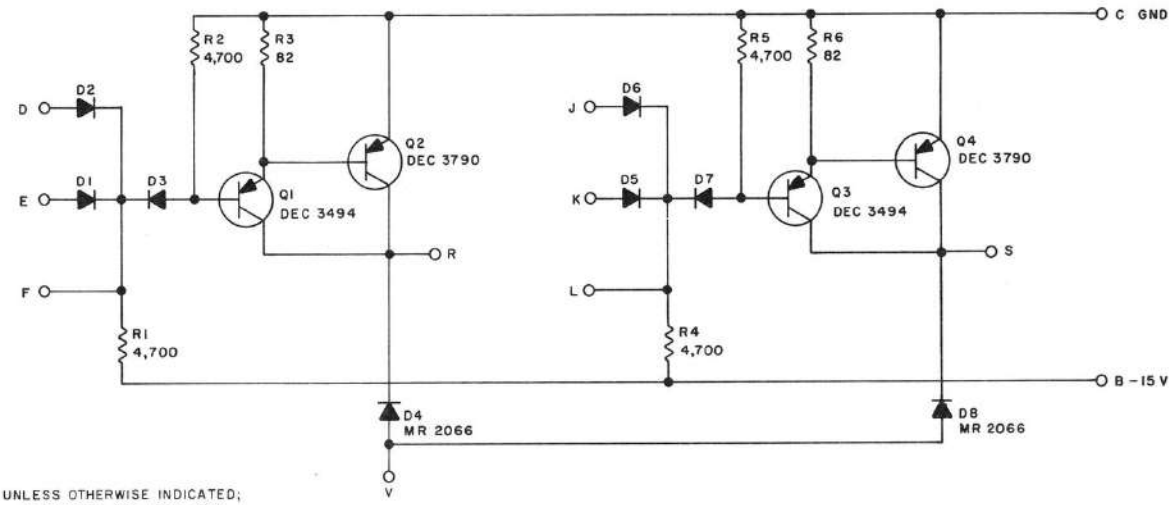
SIZE	CODE	NUMBER	REV.
B	CS	W032-0-1	

PRINTED CIRCUIT REV. A

DEC FORM NO.
DRB 102

DIST 434 435 359 PINK

RS-B-W040-2



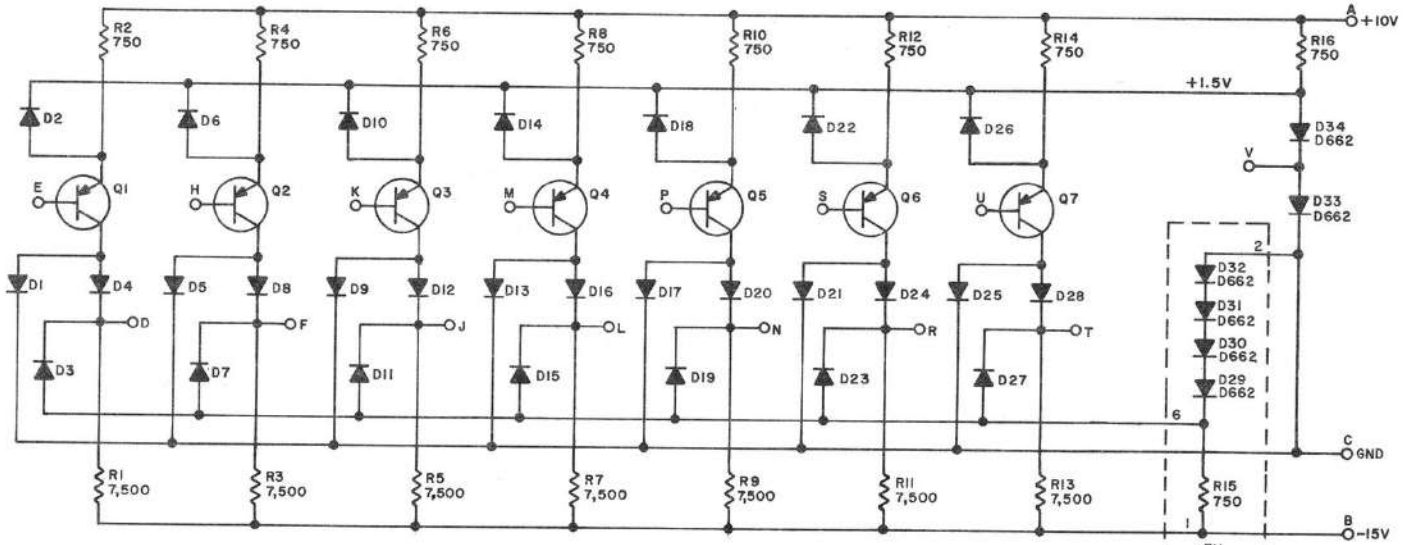
UNLESS OTHERWISE INDICATED;
RESISTORS ARE 1/4W; 10%
DIODES ARE D-664

TRANSISTOR & DIODE CONVERSION CHART			
DEC	EIA	DEC	EIA
DEC 3790	2N3790		
DEC 3494	2N3494		
D-664	IN645		
MR 2066	IN4003		

NOTES

CLASSIFICATION		
B	RS-B-W040	2
SOLENOID DRIVER W040		

SIZE	CODE	NUMBER	REV.
B	CS	W512-0-1	B



UNLESS OTHERWISE INDICATED:
RESISTORS ARE 1/4W; 5%
DIODES ARE D664
TRANSISTORS ARE DEC3639B

REVISIONS			
CHK	CHG NO.	REV.	
[illegible]	6068	A	
[illegible]	6169	B	

DRN	[illegible]	DATE 8-16-66
CHK'D	[illegible]	DATE 9/15/66
ENG.	R. Dorr	DATE 9/15/66
PROD.		DATE

TRANSISTOR & DIODE CONVERSION CHART

DEC	EIA	DEC	EIA
DEC3639B	2N3639		
D662	IN645		
D664	IN3606		

digital EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS

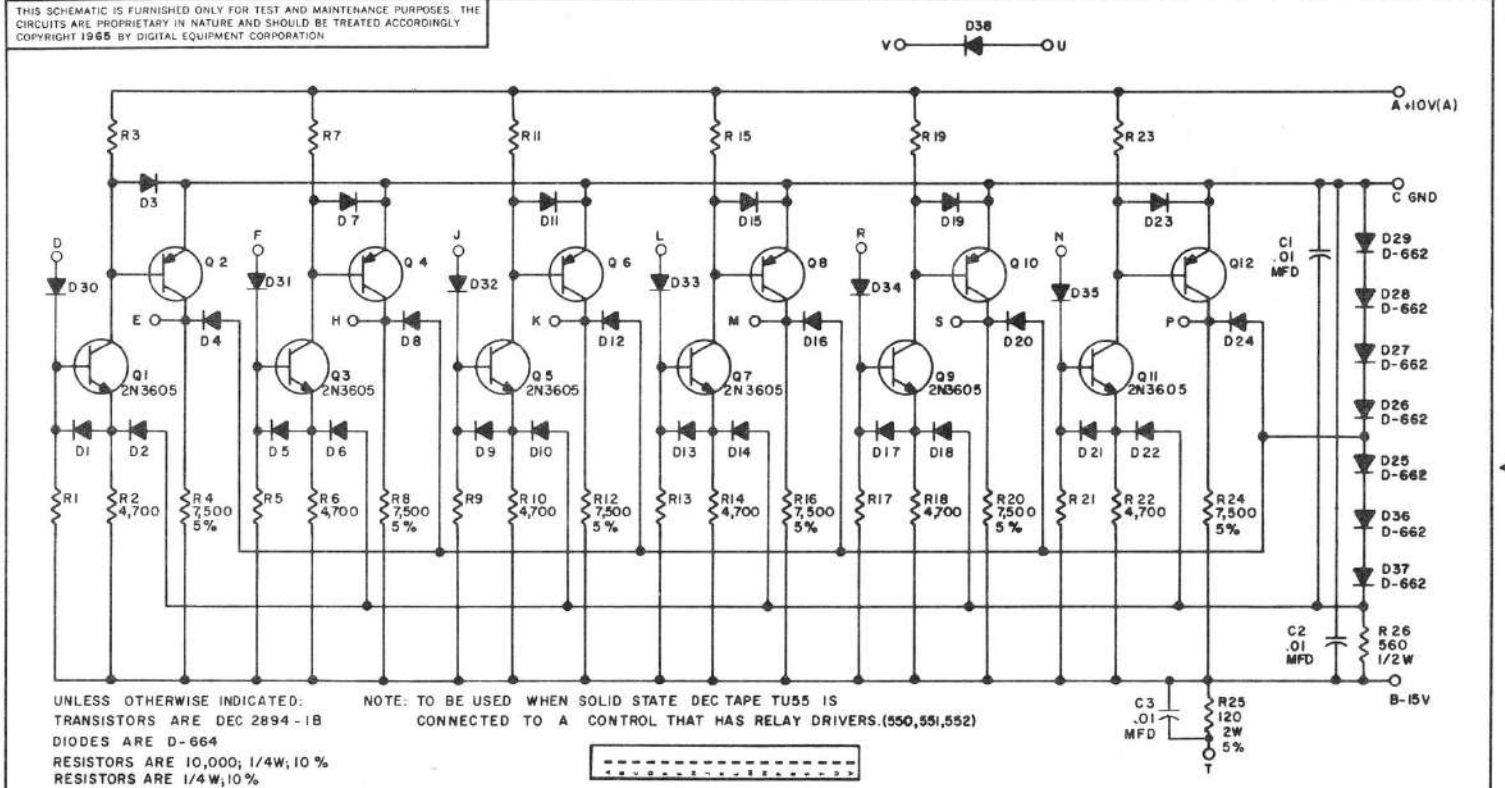
TITLE POSITIVE LEVEL CONVERTER W512

SIZE	CODE	NUMBER	REV.
B	CS	W512-0-1	B

PRINTED CIRCUIT REV. A

DEC FORM NO.
DRB 102

SIZE	CODE	NUMBER	REV
B	CS	W513-0-1	E



UNLESS OTHERWISE INDICATED:
TRANSISTORS ARE DEC 2894-1B
DIODES ARE D-664
RESISTORS ARE 10,000; 1/4W; 10 %
RESISTORS ARE 1/4W; 10 %

NOTE: TO BE USED WHEN SOLID STATE DEC TAPE TU55 IS CONNECTED TO A CONTROL THAT HAS RELAY DRIVERS.(550,551,552)

REVISIONS			
CHK	CHG NO.	REV.	
DAW	5282	4	
REV'D	REDR. 5727 5741	E	

DRN. I. HAHN	DATE 5-27-65	
CHK'D R. SILVERMAN	DATE 6-4-65	
ENG. D. WARDIMON	DATE 6-5-65	
PROD.	DATE	

TRANSISTOR & DIODE CONVERSION CHART

DEC	EIA	DEC	EIA
DEC2894-1B	NONE		
2N3605	SAME		
D662	IN645		
D664	IN3606		

digital EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS

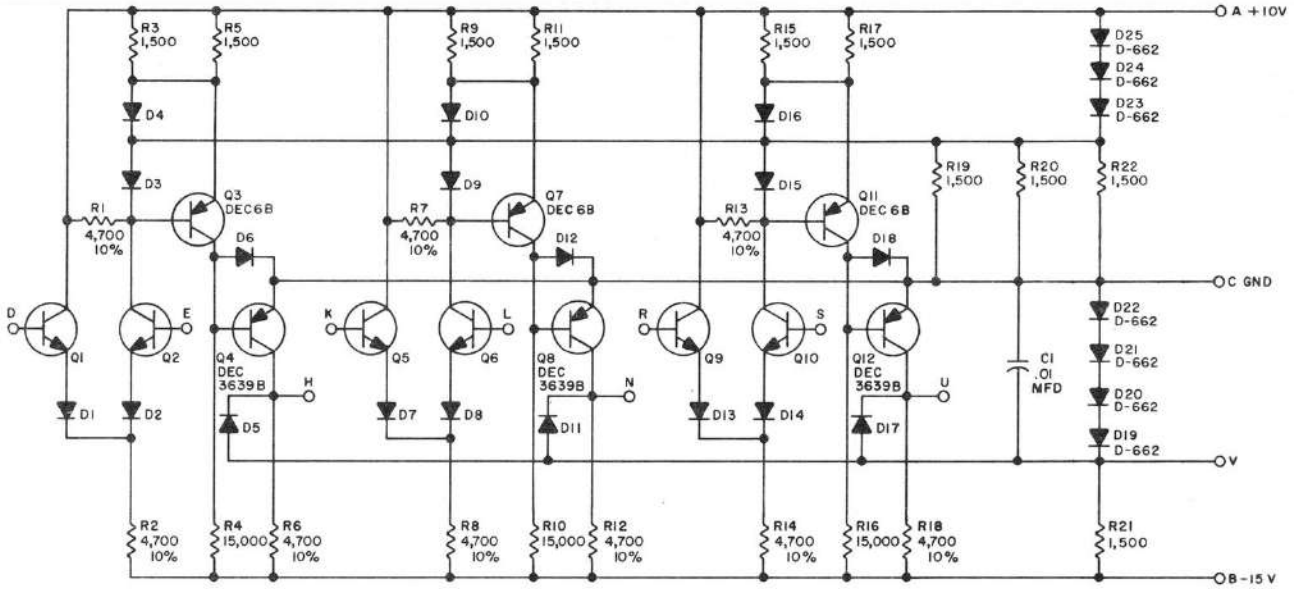
TITLE: LEVEL AMPLIFIER W513

SIZE	CODE	NUMBER	REV.
B	CS	W513-0-1	E

PRINTED CIRCUIT REV. F

DEC FORM NO.

SIZE	CODE	NUMBER	REV
B	CS	W520-0-1	C



UNLESS OTHERWISE INDICATED:
RESISTORS ARE 1/4 W; 5%
DIODES ARE D-664
TRANSISTORS ARE DEC 3009B

PARTS LIST A-PL-W520-0-0

REVISIONS	CHK	CHG NO.	REV.
	DAW	5136	1
	REV. B REDR.	5407	B
	Chg	7006	C

DRN.	A. OUELLETTE	DATE 11-24-65
CHK'D	N. PERRYMAN	DATE 11-29-65
ENG.	D.A. WHITE	DATE 11-30-65
PROD		DATE

TRANSISTOR & DIODE CONVERSION CHART

DEC	EIA	DEC	EIA
DEC6B	NONE		
DEC3009B	2N3009		
DEC3639B	2N3639		
D662	IN645		
D664	IN3606		

digital EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS

TITLE: COMPARATOR W520

SIZE	CODE	NUMBER	REV.
B	CS	W520-0-1	C

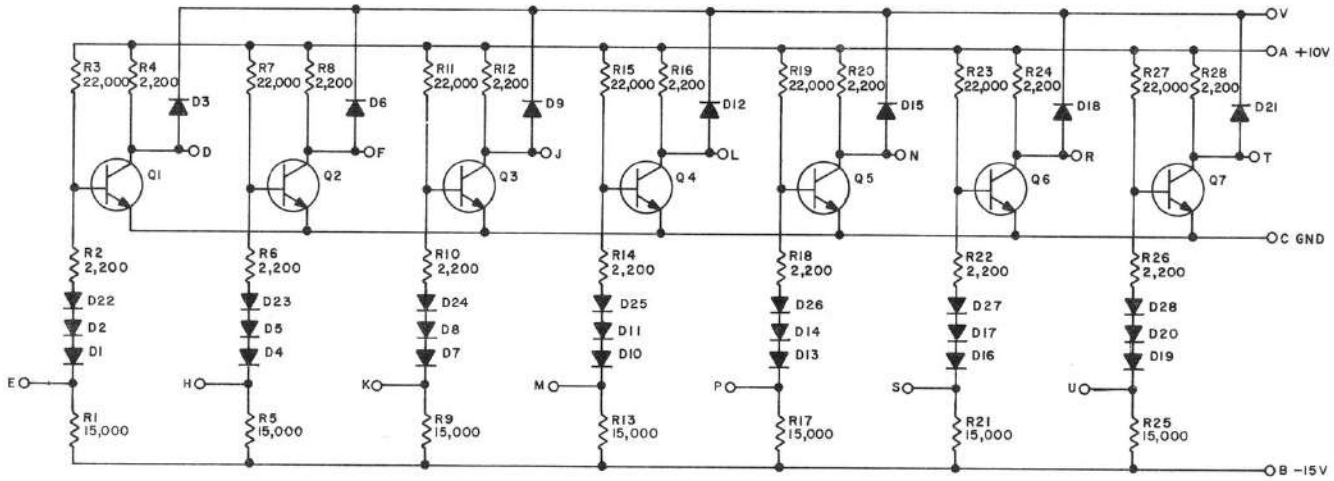
PRINTED CIRCUIT REV. B

DEC FORM NO. DRB 102

DIST. 324 434 435

PINK

SIZE	CODE	NUMBER	REV.
B	CS	W603-0-1	C



UNLESS OTHERWISE INDICATED:
RESISTORS ARE 1/4W; 10%
DIODES ARE D664
TRANSISTORS ARE DEC3009B

PARTS LIST A-PL-W603-0-0

REVISIONS	CHK	CHG NO.	REV
		6172	A
		6744	B
		7136	C

DRN.		DATE
CHK'D		DATE
ENG.	R. Poore	DATE 7/13/66
PROD.		DATE

TRANSISTOR & DIODE CONVERSION CHART			
DEC	EIA	DEC	EIA
DEC3009B	2N3009		
D664	IN3606		

digital EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS

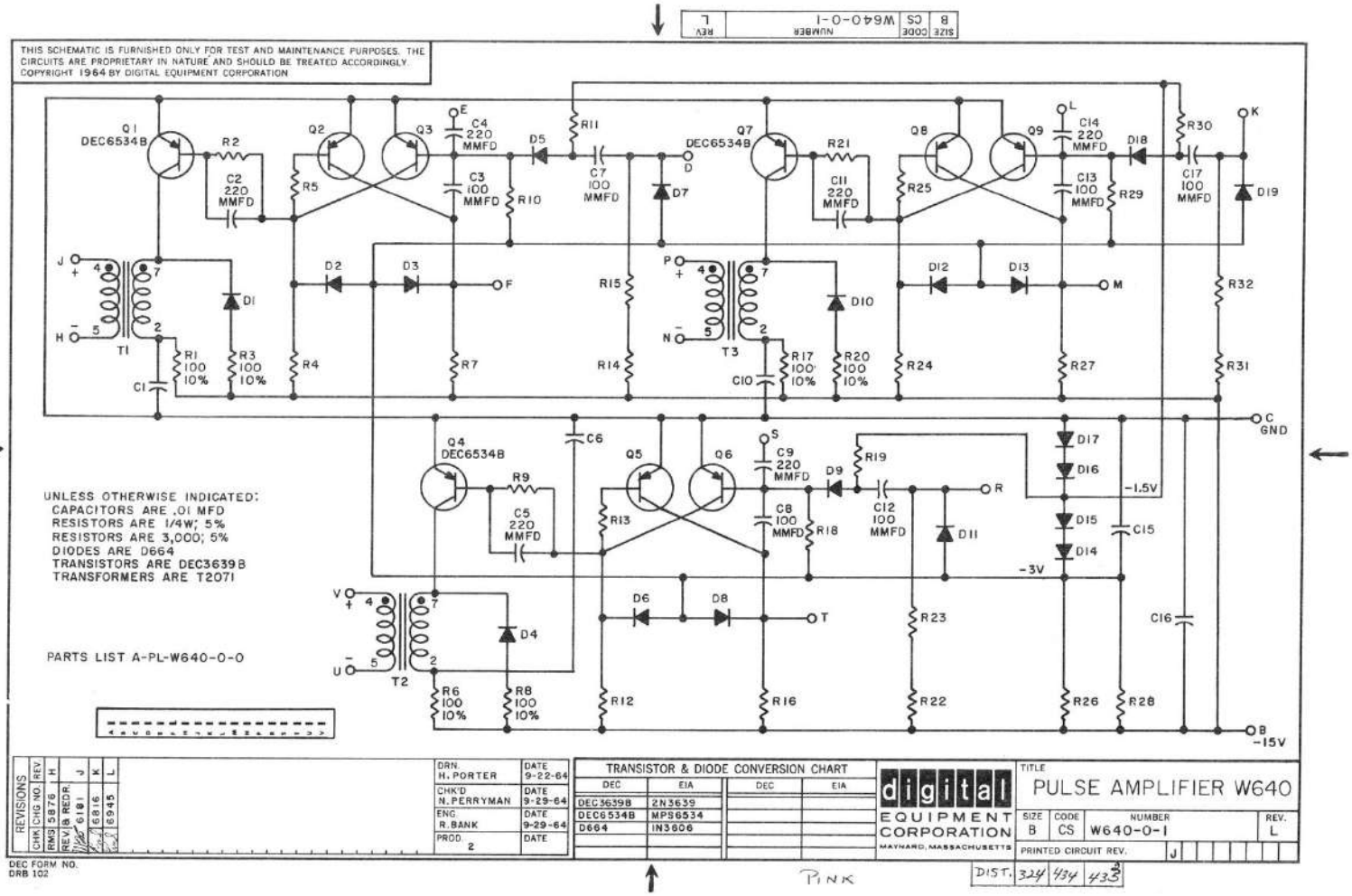
TITLE POSITIVE LEVEL AMPLIFIER W603

SIZE	CODE	NUMBER	REV.
B	CS	W603-0-1	C

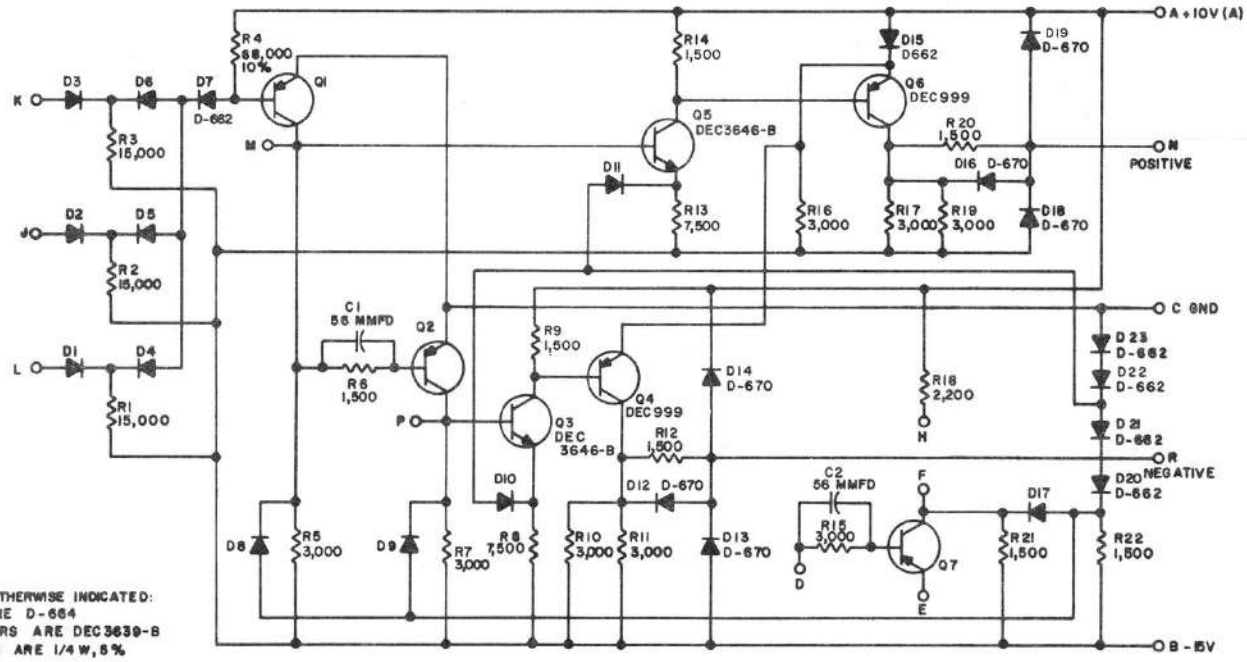
PRINTED CIRCUIT REV. B

DEC FORM NO.
DRB 102

PINK Dec. 324/434/435


THIS SCHEMATIC IS FURNISHED ONLY FOR TEST AND MAINTENANCE PURPOSES. THE CIRCUITS ARE PROPRIETARY IN NATURE AND SHOULD BE TREATED ACCORDINGLY.
COPYRIGHT 1964 BY DIGITAL EQUIPMENT CORPORATION
SIZE B CODE CS NUMBER W640-0-1 REV. L
Q1 DEC6534B
Q2
Q3
Q4 DEC6534B
Q5
Q6
Q7 DEC6534B
Q8
Q9
R2
C2 220 MMFD
C3 100 MMFD
C4 220 MMFD
C5 220 MMFD
C6
C7 100 MMFD
C8 100 MMFD
C9 220 MMFD
C10
C11 220 MMFD
C12 100 MMFD
C13 100 MMFD
C14 220 MMFD
C15
C16
C17 100 MMFD
R1 100 10%
R3 100 10%
R4
R5
R6 100 10%
R7
R8 100 10%
R9
R10
R11
R12
R13
R14
R15
R16
R17 100 10%
R18
R19
R20 100 10%
R21
R22
R23
R24
R25
R26
R27
R28
R29
R30
R31
R32
D1
D2
D3
D4
D5
D6
D7
D8
D9
D10
D11
D12
D13
D14
D15
D16
D17
D18
D19
T1
T2
T3
J
H
V
U
P
N
E
D
F
S
R
T
L
M
K
C GND
B -15V
-1.5V
-3V
UNLESS OTHERWISE INDICATED:
CAPACITORS ARE .01 MFD
RESISTORS ARE 1/4W; 5%
RESISTORS ARE 3,000; 5%
DIODES ARE D664
TRANSISTORS ARE DEC36398
TRANSFORMERS ARE T2071
PARTS LIST A-PL-W640-0-0
REVISIONS
CHK CHG NO. REV
RMS 5876 H
REV & REDR. J
6181
6816 K
6945 L
DRN. H. PORTER DATE 9-22-64
CHK'D N. PERRYMAN DATE 9-29-64
ENG. R. BANK DATE 9-29-64
PROD. 2 DATE
TRANSISTOR & DIODE CONVERSION CHART
DEC EIA DEC EIA
DEC3639B 2N3639
DEC6534B MPS6534
D664 IN3606
digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS
TITLE PULSE AMPLIFIER W640
SIZE B CODE CS NUMBER W640-0-1 REV. L
PRINTED CIRCUIT REV. J
DEC FORM NO. DRB 102
PINK
DIST. 324 434 433

SIZE	CODE	NUMBER	REV
B	CS	W681-0-1	H



UNLESS OTHERWISE INDICATED:
DIODES ARE D-664
TRANSISTORS ARE DEC3639-B
RESISTORS ARE 1/4 W, 5%

PARTS LIST A-PL-W681-0-0

REVISIONS						
CHK	2					
CHG NO REV						
DAM	5370					
REV	5441	C	5566	5652	5829	7110
		D	E	F	H	

DRN.	I. HAHN	DATE	4-16-65
CHK'D	R. SILVERMAN	DATE	4-21-65
ENG.	R. SOGGE	DATE	4-20-65
PROD.		DATE	

TRANSISTOR & DIODE CONVERSION CHART

DEC	EIA	DEC	EIA
DEC3639-B	2N3639-B	D670	IN3653
DEC999	MM999		
DEC3646-B	NONE		
D662	IN645		
D664	IN3606		

digital EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS

TITLE: SCOPE INTENSIFIER W681

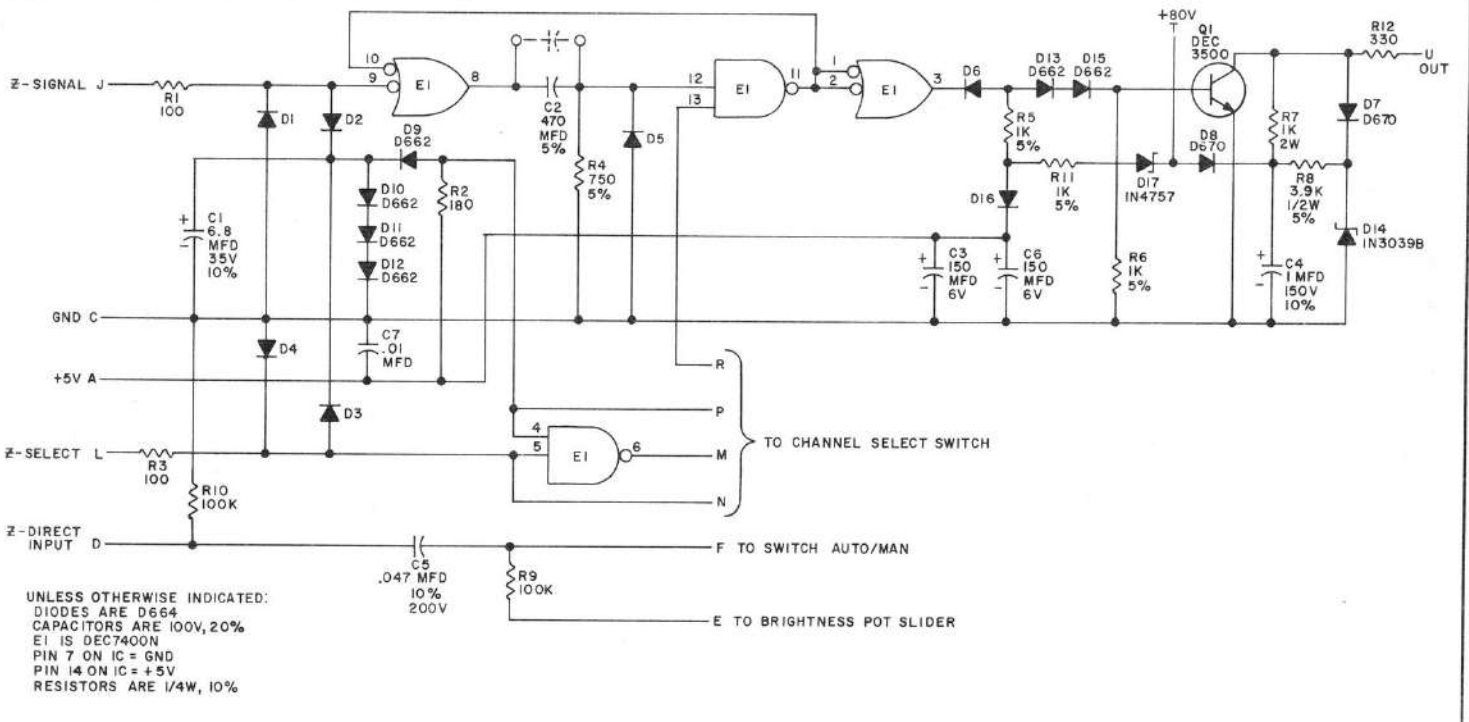
SIZE	CODE	NUMBER	REV
B	CS	W681-0-1	H

PRINTED CIRCUIT REV. A

DEC FORM NO. DRB 102

DIST. PINK

SIZE	CODE	NUMBER	REV
B	CS	W682-0-1	E



UNLESS OTHERWISE INDICATED:
DIODES ARE D664
CAPACITORS ARE 100V, 20%
E1 IS DEC7400N
PIN 7 ON IC = GND
PIN 14 ON IC = +5V
RESISTORS ARE 1/4W, 10%

REVISIONS	CHK	CHG NO.	REV.
		00001	B
		00002	C
		00003	D
		00004	E

DRN.		DATE 5-20-69
CHK'D		DATE 6/26/69
ENG.		DATE 8/7/69
PROD.		DATE 8/26/69

TRANSISTOR & DIODE CONVERSION CHART

DEC	EIA	DEC	EIA
D662	IN645	IN4757	SAME
D664	IN3606		
D670	IN3653		
IN3039B	SAME		
DEC3500	2N3500		

digital EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS

TITLE: INTENSITY AMPLIFIER W682

SIZE	CODE	NUMBER	REV.
B	CS	W682-0-1	E

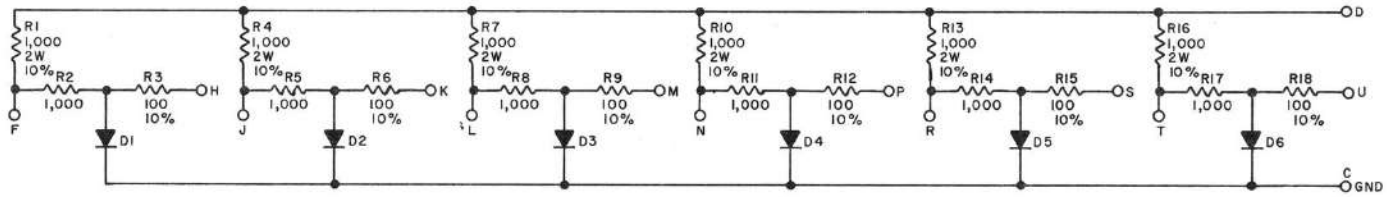
PRINTED CIRCUIT REV. A

DEC FORM NO. DRB 102

DIST. 524,450,435

4 PINK

SIZE	CODE	NUMBER	REV
B	CS	W701-0-1	A



UNLESS OTHERWISE INDICATED:
RESISTORS ARE 1/4W; 5%
DIODES ARE D664

REVISIONS			
CHK	CHG NO	REV	
REV & REDR.	5532	A	

DRN.	I. HAHN	DATE 10-20-65
CHK'D	R. SILVERMAN	DATE 10-21-65
ENG.	E. DE CASTRO	DATE 10-21-65
PROD.		DATE

TRANSISTOR & DIODE CONVERSION CHART

DEC	EIA	DEC	EIA
D664	IN3606		

digital EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS

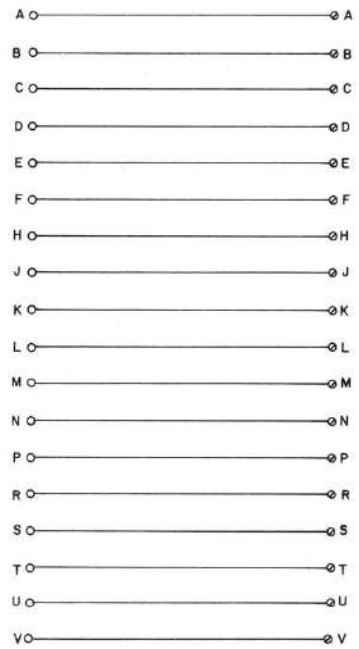
TITLE: INPUT NETWORK W701

SIZE	CODE	NUMBER	REV.
B	CS	W701-0-1	A

PRINTED CIRCUIT REV. A

DEC FORM NO.
DRB 102

SIZE	CODE	NUMBER	REV.
B	CS	W990-0-1	A



REVISIONS

CHK	CHG. NO.	REV.
[illegible]	10000	A

DRN.		DATE 4-28-69
CHK'D	M. Marchand	DATE 11-25-69
ENG.	[illegible]	DATE [illegible]
PROD.		DATE

TRANSISTOR & DIODE CONVERSION CHART

DEC	EIA	DEC	EIA

digital
EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS

TITLE BLANK MODULE
W990

SIZE	CODE	NUMBER	REV.
B	CS	W990-0-1	A

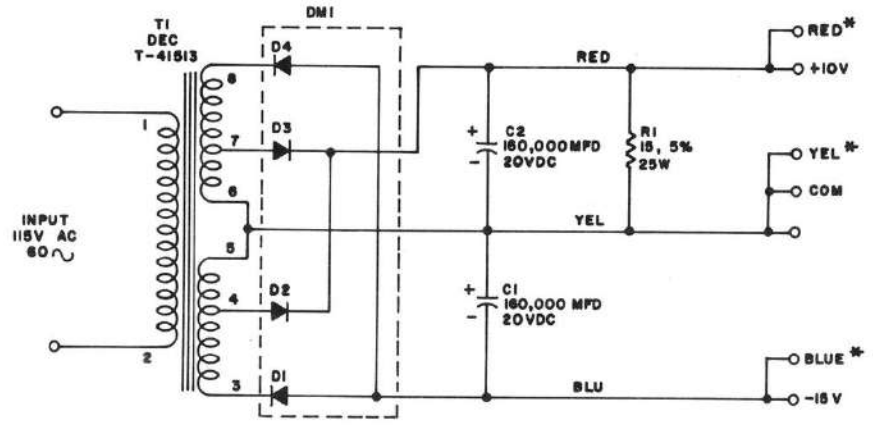
PRINTED CIRCUIT REV. E

DEC FORM NO.
DRB 102

5 DIST. 324, 474, 483

PINK

SIZE	CODE	NUMBER	REV
B	CS	783-0-1	C



NOTE:
IN ORDER TO KEEP OUTPUT VOLTAGE WITHIN THE FOLLOWING LIMITS:
+10V: +9.5 TO +11V
-15V: -14.5 TO -16 V
THE LOADING SHOULD BE WITHIN THE FOLLOWING LIMITS:

BOTH SIDES LOADED	+10V 0 TO 7.0 AMPS -15V 1.0 TO 6.0 AMPS
ONE SIDE LOADED	+10V 0 TO 7.5 AMPS -15V 1.0 TO 6.5 AMPS

SUM OF THE OUTPUT CURRENTS ARE LIMITED BY THE EQUATION: $5I_{10}+6I_{15} \leq 85$

* HEYMAN MFG. CO. TAB TERMINALS

REVISIONS			
CHK	CHG NO	REV	
DAMP	4740	2	C
REV & REDR	8033		

DRN.	H.W.PORTER	DATE	11-20-63
CHK'D	A.VARTANIAN	DATE	11-27-63
ENG.	R.DOANE	DATE	11-27-63
PROD.		DATE	

TRANSISTOR & DIODE CONVERSION CHART

DEC	EIA	DEC	EIA

digital EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS

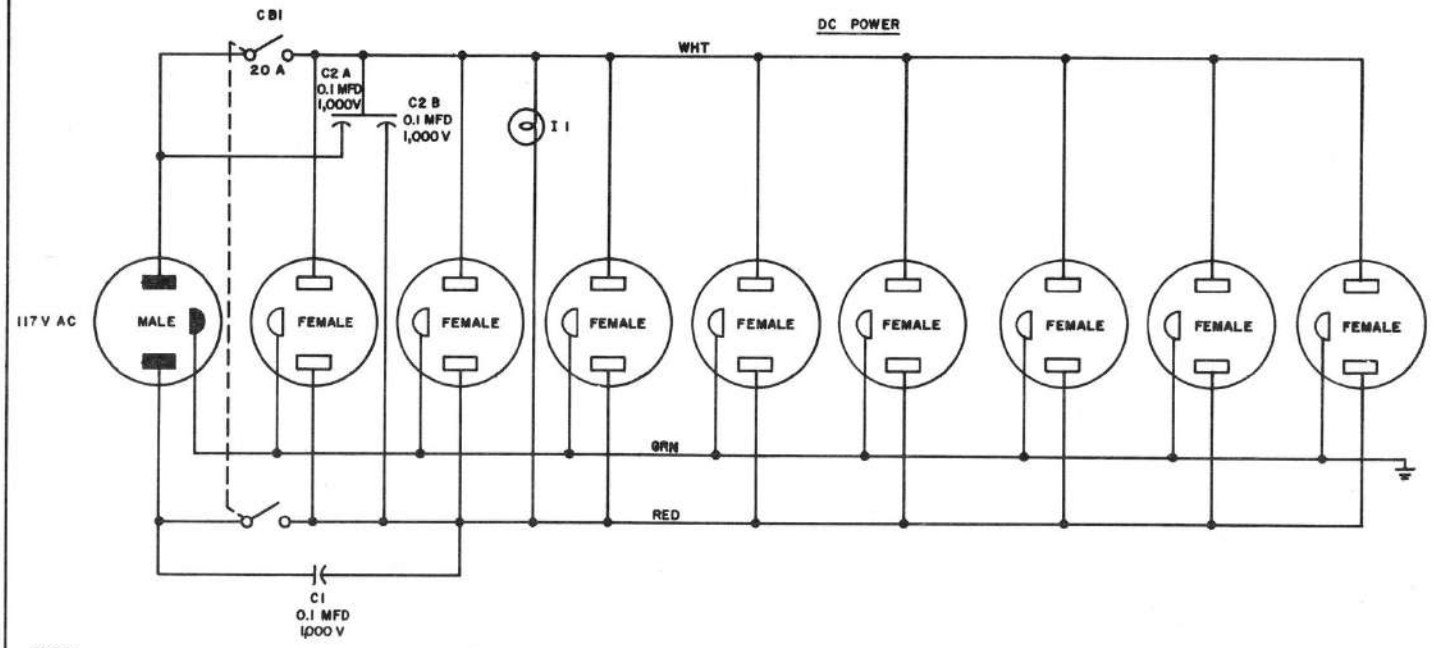
TITLE: POWER SUPPLY 783

SIZE	CODE	NUMBER	REV
B	CS	783-0-1	C

PRINTED CIRCUIT REV.

DEC FORM NO.
DRB 102

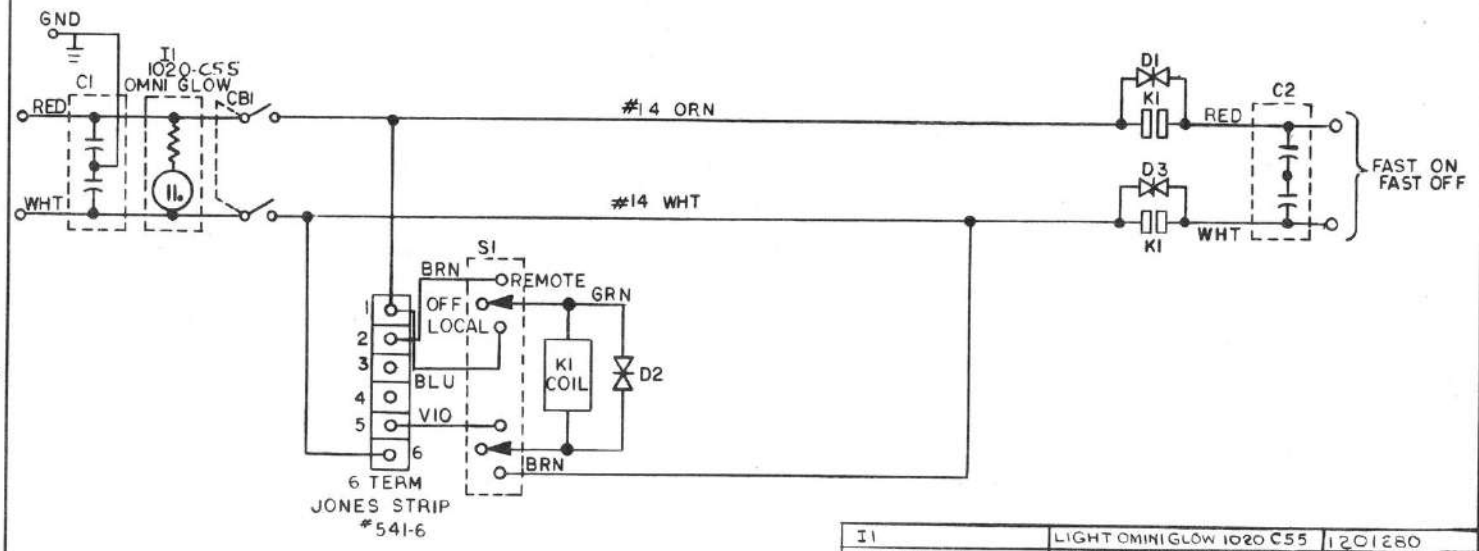
CS-828-1



NOTE:
CB1 IS A DPST HEINEMANN ELEC CO. XAM33 CURVE 4
I 1 IS A NEON PILOT LIGHT-NE-2D
ALL SOCKETS AND PLUG ARE SHOWN IN REAR VIEW

CH NO	APP	CHANGE			
5818-1			EXPER	DRAWN J.S. CARO 2-11-63	digital EQUIPMENT CORPORATION MAYNARD-MASSACHUSETTS
			PRODUCTION	CHECKED	CS-828-1
			OTHER	ENGINEER	POWER RECEPTACLE 828

SIZE B | CODE CS | 854-0-1 | REV. A



REF DESIGNATION	DESCRIPTION	PART NO
	PARTS LIST	A-PL-854-0-0
C1 & C2	CAP. 2X.1MFD 1KVDC	1000034
S1	TOGGLE SW CH 7563K6	1205964
K1	RELAY EM-4, 115V	1205768
CB1	CIR BREAKER #190-220-104	1201218
D1, D2, D3	DIODE THY GRS20SP4B4	1100106
I1	LIGHT OMNIGLOW 1020 C55	1201280

PARTS LIST

REVISIONS	CHG	CHG NO.	REV
	DCO	DCO12	A

DRN. P. L. O'Brien DATE 10-21-68
CHK. [illegible] DATE 11/3/68
ENG. GW GERELDS DATE 11/13/68
PROD. GW GERELDS DATE 11/13/68

TRANSISTOR & DIODE CONVERSION CHART

DEC	EIA	DEC	EIA

digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS

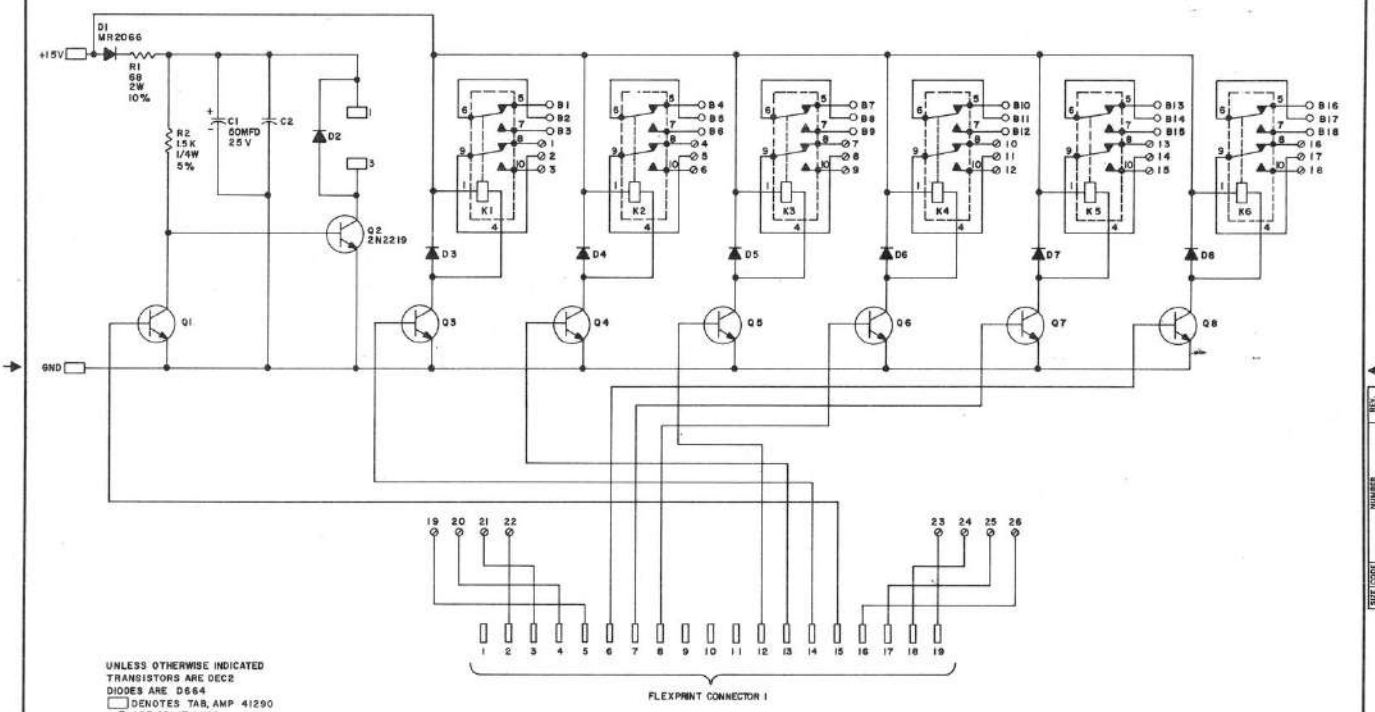
TITLE: POWER CONTROL 854

SIZE B | CODE CS | NUMBER 854-0-1 | REV. A

PRINTED CIRCUIT REV.

DEC FORM NO. DRB 102

DIST: 324 | 434 | 435 | 351 | 436 | 438 | PINK



UNLESS OTHERWISE INDICATED
TRANSISTORS ARE DEC2
DIODES ARE D664
▭ DENOTES TAB, AMP 41290
Ø ARE SPLIT LUGS

TRANSISTOR & DIODE CONVERSION CHART			
DEC	EIA	DEC	EIA
MR2066	1N4003		
D664	1N3606		
2N2219	SAME		
DEC2	2N5009		

REVISIONS			
DWN	DIG. NO.	REV.	

DRN. [illegible] DATE 2-11-69
CHK'D J. Hanson DATE 2-14-69
ENG. [illegible] DATE 2-24-69
PROD. DATE

digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS

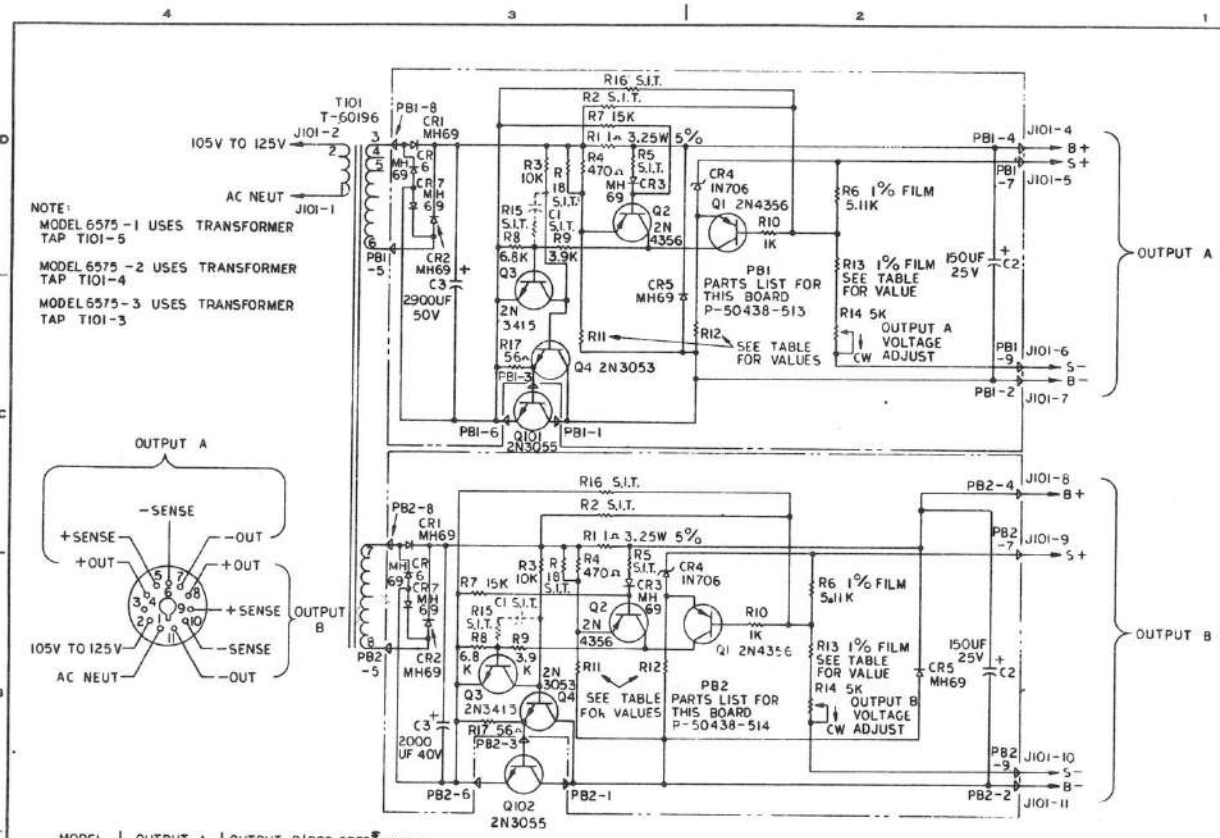
TITLE RELAY BOARD 5408124
SIZE C | CODE CS | NUMBER 5408124-0-1 | REV.
PRINTED CIRCUIT REV. A

SIZE C | CODE CS | NUMBER 5408124-0-1 | REV.

DEC FORM NO. DRC 102

DIST. 324,434,435

PINK



MODEL	OUTPUT A	OUTPUT B	DEC SPEC*
6575-1	10V, 1.5A	15V, 1.5A	12-03185-1
6575-2	15V, 1.5A	15V, 1.5A	12-03185-2
6575-3	20V, 1.5A	15V, 1.5A	12-03185-3

NOTES:
1. RESISTOR WATTAGE .5 WATT UNLESS OTHERWISE INDICATED.
2. ALL POTENTIOMETERS ARE WIREWOUND.
3. RESISTORS ABOVE 2 WATTS ARE WIREWOUND.
4. RESISTOR TOLERANCE: COMP. ± 10%; WIREWOUND ± 10%; UNLESS OTHERWISE INDICATED.
5. IF REMOTE SENSING IS NOT USED CONNECT 4 TO 5, 6 TO 7, 8 TO 9, & 10 TO 11.
6. S.I.T. - INDICATES SELECT IN TEST.

MODEL	R11		R12		R13	
	PB1	PB2	PB1	PB2	PB1	PB2
6575-1	1.5K	2.7K	560Ω	1.2K	1K	4.64K
6575-2	2.7K	2.7K	1.2K	1.2K	4.64K	4.64K
6575-3	3.3K	2.7K	2.2K	1.2K	7.87K	4.64K

REVISIONS

AF BY AF MFG. 25689-169 N.Lunsk. 8/21/69	1
ECN 69-281 A.C. KLINGER 11-10-69	2

DIMENSIONS ARE IN INCHES AND INCLUDE THICKNESS OF PLATING. DO NOT SCALE DRAWING.
ALL EXTERNAL THREADS TO BE CLASS 2A (MEDIUM FIT); ALL INTERNAL THREADS TO BE CLASS 2B (MEDIUM FIT) UNLESS OTHERWISE SPECIFIED.

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VARIATIONS ON FINISHED DIMENSIONS UNLESS OTHERWISE MARKED		
BASIC DIMENSIONS	FRACTIONAL DIMENSIONS	DECIMAL DIMENSIONS
UP TO 6	± 1/64	± .005
ABOVE 6 TO 24	± 1/32	± .010
ABOVE 24	± 1/16	± .015
ANGULAR DIMENSIONS		± 1/2°

SEE PERM. SPEC. FOR STOCK TOLERANCES

SCALE: —

SCHEMATIC

FIRST MADE FOR 6575 USED ON

BEGUN BY

FINISHED BY N.Lunsk. 2/4/69

TRACED BY

CHECKED BY Steinway 2/10/69

Deltron, Inc. PHILA. 33, PA.

C 13495

C-13495