



PDP 10-0-RS MOD 1

Engineering Drawings
Digital Equipment Corporation

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THIS IS PRINT SET

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SEQUENCE T

NOTE TO USERS:

PLEASE NOTIFY PDP-10
ENGINEERING OF DEFICIENCIES
IN THE CONTENTS OF THESE
PRINT SETS

MANUAL-2 TO BE IN THE
SEQUENCE SHOWN ON
SHEETS 6 THRU 9

UNIT VARIATIONS

PRINT SET TYPE

[illegible]

REVISIONS		CHG. NO.	REV
DATE	10-74	RH10-00003	A

USED ON OPTION/MODEL		DRN. D. HEALY	DATE 62272	TITLE PDP-1Ø REPLACEMENT SCHEMATICS (MANUAL 1 AND 2)	
PDP-1Ø		CHK'D <i>D. Healy</i>	DATE 7-14-72		
		PROJ ENG. <i>Allen Reid</i>	DATE 11-8-72		
		PROD. <i>S. H. County</i>	DATE 7-12-72		
		FIELD SERV. <i>K. Yurick</i>	DATE 9-12-72		
		SHEET 1 OF 9			

SIZE	CODE	NUMBER	REV
B	DD	PDP1Ø-Ø-RS	A
DIST			

CUSTOMER PRINT SET						MFG.	SET							CUSTOMER PRINT SET						MFG.	SET						
MAN-1	MAN-2				FIND NO.			DRAWING NO.	REV	NO OF SHT	DESCRIPTION	OPTION NO.	MAN-1	MAN-2				FIND NO.	DRAWING NO.			REV	NO OF SHT	DESCRIPTION	OPTION NO.		
X						D-CS-A133-0-1		1	ANALOG SWITCH		X						B-CS-B681-0-1		1	POWER INVERTER							
X						B-CS-A601-0-1		1	3 BIT DAC		X						B-CS-B683-0-1		1	50 OR BUS DRIVER							
X						B-CS-A704-0-1		1	-10V PRECISION PWR. SUPPLY		X						C-CS-B684-0-1		1	TWO BUS DRIVER							
											X						B-CS-B685-0-1		1	DIODE GARE DRIVER							
X						B-CS-B104-0-1		1	INVERTER																		
X						B-CS-B105-0-1		1	INVERTER		X						D-UA-BC01R-0-0		1	CABLE CARD ASSY							
X						B-CS-B113-0-1		1	DIODE GATE																		
X						B-CS-B115-0-1		1	DIODE GATE																		
X						B-CS-B117-0-1		1	DIODE GATE		X						D-UA-BC01X-0-0		1	CABLE ASSY DATA SET							
X						B-CS-B130-0-1		1	3 BIT PARITY CIRCUIT																		
X						B-CS-B133-0-1		1	DIODE GATE		X						C-UA-BC05D-0-0		1	ASYNCH MODEM INT. CABLE EXT							
X						B-CS-B134-0-1		1	DIODE GATE		X						D-UA-BC01Y-0-0		1	CABLE ASSY (CALLING UNIT)							
X						B-CS-B135-0-1		1	DIODE GATE																		
X						B-CS-B136-0-1		1	DIODE GATE																		
X						B-CS-B137-0-1		1	DIODE GATE		X						A-PL-BC10V-0-0		1	EIA TERMINAL CABLE							
X						B-CS-B138-0-1		1	ADDER																		
X						B-CS-B141-0-1		1	DIODE GATE																		
X						C-CS-B152-0-1		1	BINARY TO OCTAL DECODER																		
X						B-CS-B155-0-1		1	HALF BINARY TO OCTAL DECODER																		
X						B-CS-B156-0-1		1	HALF BINARY TO OCTAL DECODER																		
X						B-CS-B163-0-1		1	DIODE GATE																		
X						B-CS-B165-0-1		1	DIODE INVERTER																		
X						C-CS-B166-0-1		1	COUNTING GATE																		
X						B-CS-B167-0-1		1	ADDER GATE																		
X						B-CS-B168-0-1		1	DIODE GATE																		
X						B-CS-B169-0-1		1	INVERTER		X						C-CS-G005-0-1		1	4 INPUT DC SCOPE AMPLIFIER							
X						B-CS-B171-0-1		1	DIODE GATE		X						B-CS-G008-0-1		1	MASTER SLICE CONTROL							
X						B-CS-B172-0-1		1	DIODE GATE		X						B-CS-G010-0-1		1	SENSE AMP SELECTOR							
X						B-CS-B173-0-1		1	DIODE GATE		X						B-CS-G020-0-1		1	SENSE AMP							
											X						B-CS-G021-0-1		1	SENSE AMP							
											X						B-CS-G022-0-1		1	FOUR INPUT SENSE AMP							
X						D-CS-B198-0-1		1	PROTECTION COMPARATOR		X						B-CS-G023-0-1		1	MASTER SLICE CONTROL							
X						C-CS-B199-0-1		1	FM ADDRESS DECODER		X						D-CS-G050-0-1		1	READ AMPLIFIER							
											X						C-CS-G060-0-1		1	TU10 COMPRESSOR							
											X						C-CS-G062-0-1		1	PEAK DETECTOR							
X						B-CS-B204-0-1		1	FOUR FLIP FLOPS		X						C-CS-G064-0-1		1	SLICER							
X						B-CS-B211-0-1		1	FLIP FLOP		X						B-CS-G084-0-1		1	MAG TAPE READ AMP							
X						C-CS-B212-0-1		1	DUAL RS FLIP FLOP																		
X						B-CS-B213-0-1		1	JAM FLIP FLOP																		
X						B-CS-B214-0-1		1	FOUR FLIP FLOPS		X						D-CS-G102-0-1		1	SENSE INHIBIT CARD							
X						C-CS-B250-0-1		1	FM MODULE		X						C-CS-G103-0-1		1	MEMORY LEVELS & GATES							
X						B-CS-B301-0-1		1	ONE SHOT DELAY																		
X						B-CS-B311-0-1		1	TAPPED DELAY LINE		X						C-CS-G206-0-1		1	MEMORY SELECTOR							
X						B-CS-B312-0-1		1	VARIABLE DELAY LINE		X						C-CS-G207-0-1		1	INHIBIT DRIVER							
X						B-CS-B360-0-1		1	DELAY WITH PULSE AMPLIFIER																		
X						B-CS-B405		1	CRYSTAL CLOCK																		
X						B-CS-B410-0-1		1	VFO CLOCK																		
X						B-CS-B602-0-1		1	10 MC PULSE AMPLIFIER																		
X						B-CS-B611-0-1		1	PULSE AMPLIFIER																		

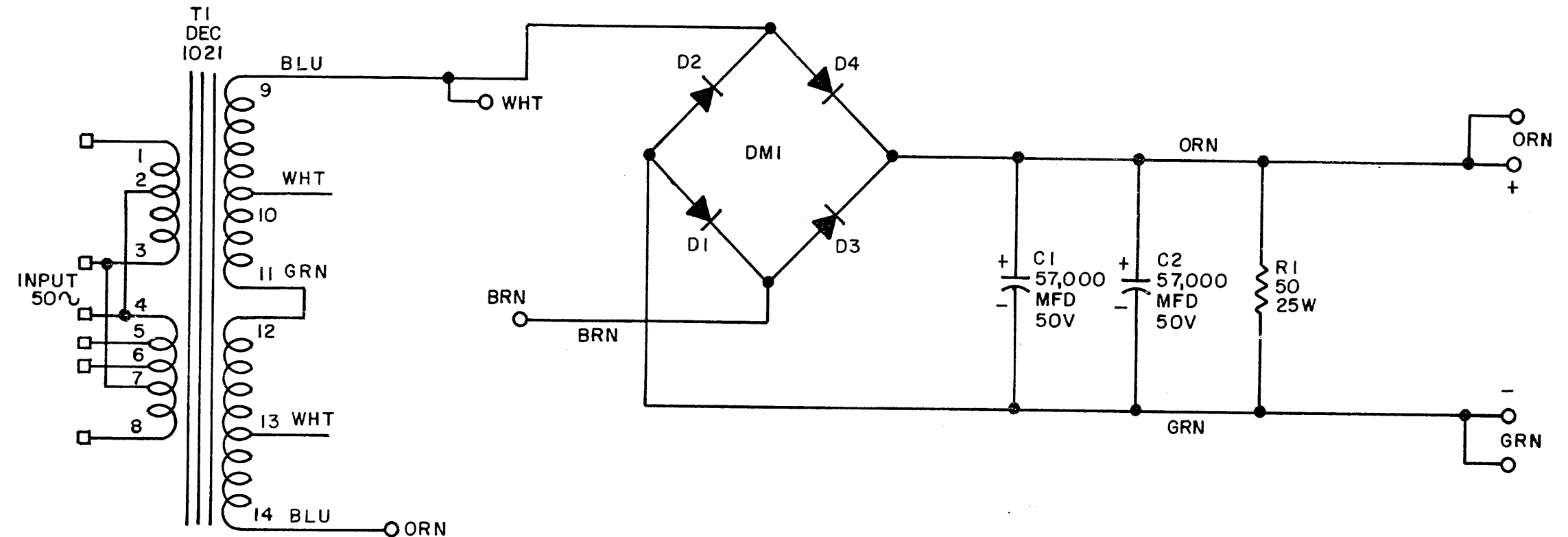
CUSTOMER PRINT SET						CUSTOMER PRINT SET					
MAN-1	MAN-2					MAN-1	MAN-2				
MFG. SET						MFG. SET					
FIND NO.	DRAWING NO.	REV	NO OF SHT	DESCRIPTION	OPTION NO.	FIND NO.	DRAWING NO.	REV	NO OF SHT	DESCRIPTION	OPTION NO.
X	C-CS-G212-0-1		1	MEMORY COMMON DRIVER		X	B-CS-G888-0-1		1	MANCHESTER READER/WRITER	
X	C-CS-G217-0-1		1	MEMORY WORD DRIVER							
X	B-CS-G219-0-1		1	INHIBIT DRIVER							
X	B-CS-G221-0-1		1	MEMORY SELECTOR		X	B-CS-G903-0-1		1	CLOCK ACCELERATOR	
X	D-CS-G226-0-1		1	XY DECODER SWITCH		X	C-CS-G913-0-1		1	CLOCK CONTROL	
X	B-CS-G228-0-1		1	INHIBIT DRIVER		X	D-CS-G932-0-1		1	TU10 CAPSTRAN SERVO PREAMP	
X	D-CS-G230-0-1		1	X AND Y CURRENT GEN.		X	C-CS-G933-0-1		1	REEL MOTOR AMPLIFIER	
X	B-CS-G287-0-1		1	WRITER DRIVER		X	B-CS-G998-0-1		1	CURRENT MEAS. EXTENDER	
X	D-CS-G350-0-1		1	HEAD DRIVER		X	D-CS-G7000-0-1		1	I/O BUS TERMINATOR #1	
						X	D-CS-G7001-0-1		1	I/O BUS TERMINATOR #2	
						X	D-CS-G7002-0-1		1	I/O BUS TERMINATOR #3	
X	B-CS-G589-0-1		1	FILTERED DIFFERENTIAL AMP.		X	D-CS-G7003-0-1		1	I/O BUS TERMINATOR #1	
X	B-CS-G590-0-1		1	FILTERED DIFFERENTIAL AMP.		X	D-CS-G7004-0-1		1	I/O BUS TERMINATOR #2	
						X	D-CS-G7005-0-1		1	I/O BUS TERMINATOR #3	
						X	D-CS-G7006-0-1		1	I/O BUS TERMINATOR #4	
X	B-CS-G604		1	MEMORY SELECTOR MATRIX							
X	B-CS-G624-0-1		1	RESISTOR BOARD							
X	B-CS-G626-0-1		1	RESISTOR BOARD							
X	B-CS-G700-0-1		1	100 TERMINATOR							
X	B-CS-G703-0-1		1	100 TERMINATOR		X	D-CS-G9340-0-1		1	BRAKE ACTUATOR	
X	C-CS-G704-0-1		1	2 MA LEVEL TERMINATOR		X	D-CS-G9341-0-1		1	TU10 BRAKE ACTUATOR	
X	B-CS-G705-0-1		1	DEC TAPE JUMPER		X					
X	B-CS-G706-0-1		1	DEC TAPE ATTENUATOR							
X	B-CS-G715-0-1		1	TERMINATOR							
X	B-CS-G726-0-1		1	BUS CONTROL		X	B-CS-H701		1	POWER SUPPLY	
X	B-CS-G737-0-1		1	TERMINATOR		X	B-CS-H701A		1	POWER SUPPLY	
X	B-CS-G742-0-1		1	POSITIVE LOGIC JUMPER CARD		X	D-UA-H704-C-0		1	POWER SUPPLY (115 VAC)	
						X	D-UA-H704-H-0		1	POWER SUPPLY (230 VAC)	
						X	D-CS-H710-0-1		1	POWER SUPPLY	
X	D-CS-G766-0-1		1	LEVEL TERMINATOR		X	D-CS-3009282-0-0		1	H716 P.S.	
X	B-CS-G795-0-1		1	CABLE TERMINATOR		X	C-CS-H723-0-1		1	+8V 40 AMP PWR. SUPPLY	
X	C-CS-G796-0-1		1	CLAMP LEVEL CABLE CONN		X	C-CS-H725-0-1		1	+15V 20 AMP PWR. SUPPLY	
X	B-CS-G799-0-1		1	CABLE CONN		X	D-CS-H730-0-1		1	POWER SUPPLY	
						X	C-CS-H732-0-1		1	POWER SUPPLY	
						X	D-CS-H742-0-1		1	PWR SUPPLY H742-A & B	
X	B-CS-G800-0-1		1	CONTROL FOR 739 P.S.		X	C-CS-5409730-0-1		1	PWR CONTROL BOARD	
X	B-CS-G805-0-1		1	NEGATIVE REGULATOR		X	C-IA-5409730-0-1		1	PWR CONTROL BOARD	
X	B-CS-G810-0-1		1	6V REGULATOR CONTROL		X	D-CS-H744-0-1		1	PWR SUPPLY H744	
X	B-CS-G816-0-1		1	REGULATOR CONTROL		X	D-CS-H745-0-1		1	PWR SUPPLY H745	
X	C-CS-G826-0-1		1	REGULATOR CONTROL		X	B-DD-H867-0		1	I/O BUS TERMINATOR	
X	C-CS-G828-0-1		1	6V REGULATOR CONTROL		X	B-CS-K003-0-1		1	GATE EXPANDER	
X	D-CS-G830-0-1		1	+5V REGULATOR		X	B-CS-K026-0-1		1	GATE EXPANDER	
X	C-CS-G831-0-1		2	6 BIT DA COMP. & SWITCH							
X	B-CS-G847-0-1		1	DUAL MOTOR VOLT. CONTROL							
X	D-CS-G848-0-1		1	MOTOR CONTROL		X	B-CS-K113-0-1		1	INVERTING GATE	
X	B-CS-G850-0-1		1	SCR MOTOR DRIVER		X	C-CS-K138-0-1		1	EIGHT INVERTERS	
X	B-CS-G851-0-1		1	RELAY							
X	B-CS-G853-0-1		1	MOTION & SELECT. CIRCUIT							
X	B-CS-G854-0-1		1	TELEGRAPH LINE CIRCUIT							
X	B-CS-G859-0-1		1	CLOCK & REGULATOR							
X	C-CS-G882-0-1		1	MANCHESTER READER/WRITER							

CUSTOMER PRINT SET							CUSTOMER PRINT SET							
MAN-1	MAN-2						MAN-1	MAN-2						
MFG. SET							MFG. SET							
FIND NO.	DRAWING NO.	REV	NO OF SHT	DESCRIPTION	OPTION NO.		FIND NO.	DRAWING NO.	REV	NO OF SHT	DESCRIPTION	OPTION NO.		
	B-CS-M501-0-1		1	SCHMITT TRIGGER				C-CS-M767-0-1		1	CLOCK & SKEW DELAY			
X	B-CS-M502-0-1		1	NEGATIVE INPUT				D-CS-M768-0-1		1	DELAY TRANSMITTER			
X	B-CS-M506-0-1		1	NEGATIVE INPUT CONVERTER				D-CS-M769-0-1		1	FUNCTION CONTROL			
								B-CS-M783-0-1		1	UNIBUS DRIVERS			
X	C-CS-M507-0-1		1	BUS CONVERTER (OBSOLETE)				B-CS-M784-0-1		1	UNIBUS RECEIVERS			
X	C-CS-M508-0-1		1	BUS CONVERTER				B-CS-M785-0-1		1	UNIBUS TRANSCEIVERS			
X	C-CS-M511-0-1		1	POSITIVE BUS RECEIVER										
X	D-CS-M514-0-1		1	BUS TRANSCEIVER										
X	B-CS-M516-0-1		1	POSITIVE BUS RECEIVER										
X	C-CS-M517-0-1		1	BUS CONVERTER										
X	C-CS-M531-0-1		1	NEGATIVE BUS CONVERTER										
X	D-CS-M564-0-1		1	-3V I/O BUS RECEIVER										
X	D-CS-M565-0-1		1	MEMORY BUS RECIEVER		X		B-CS-M850-0-1		1	CONVERTER & CABLE CONN			
X	D-CS-M592-0-1		1	I.O. DEVICE SELECT		X		D-CS-M890-0-1		2	MOTION CONTROL			
X	C-CS-M603-0-1		1	P A MODULE		X		B-CS-M901-0-1		1	FLEXPRINT CABLE CONN			
X	C-CS-M612-0-1		1	POWER DRIVER MODULE		X		B-CS-M902-YA-1		1	RESISTOR TERMINATOR			
X	B-CS-M617-0-1		1	6-4 INPUT NOR BUFFERS		X		E-CS-M902-YB-1		1	RESISTOR TERMINATOR			
X	C-CS-M623-0-1		1	BUS DRIVER		X		B-CS-M903-0-1		1	CONNECTOR FLEXPRINT			
X	B-CS-M627-0-1		1	POWER AMPLIFIER		X		B-CS-M904-0-1		1	CONNECTOR COAXIAL			
X	C-CS-M629-0-1		1	BUS DRIVERS		X		B-CS-M906-0-1		1	CABLE TERMINATOR			
X	B-CS-M650-0-1		1	NEG. OUTPUT CONVERTER		X		B-CS-m907-0-1		1	DIODE CLAMP			
X	C-CS-M651-0-1		1	NEG. OUTPUT CONVERTER		X		B-CS-M908-0-1		1	CONNECTOR MODULE			
X	B-CS-M660-0-1		1	POSITIVE LEVEL DRIVER		X		B-CS-M919-0-1		1	BUS CONNECTOR			
X	B-CS-M661-0-1		1	POSITIVE LEVEL DRIVER		X		B-CS-M921-0-1		1	DIODE CODE SEL. JUMPER BD.			
X	D-CS-M663-0-1		1	50 OHM "OR" BUS DRIVER		X		B-CS-M922-0-1		1	FLEX PRINT CABLE CONN.			
X	C-CS-M664-0-1		1	10 BUS DRIVER		X		B-CS-M926-0-1		1	FLEX PRINT CABLE CARD			
X	D-CS-M665-0-1		1	MEMORY BUS TRANSMITTER		X		C-CS-M931-0-1		1	15 TERM. WITH IND. RES.			
X	C-CS-M666-0-1		1	I O BUS RESET		X		B-CS-M941-0-1		1	JUMPER EXTENDER BOARD			
						X		C-CS-M947-0-1		1	K10 INDICATOR DRIVER			
						X		C-CS-M948-0-1		1	K10 INDICATOR BOARD			
						X		C-CS-M949-0-1		1	INDICATOR CABLE CONN.			
						X		D-CS-M950-0-1		1	INDICATOR CABLE CONN.			
						X		C-CS-M952-0-1		1	27 LEVEL TERMINATOR			
						X		C-CS-M956-0-1		1	18 TERMINATORS			
X	C-CS-M700-0-1		1	MANUAL TIMING GENERATOR		X		B-CS-M957-0-1		1	CABLE CONNECTOR			
X	B-CS-M703-0-1		1	POWER FAIL		X		C-CS-M969-0-1		1	24 LEVEL TERMINATOR			
X	C-CS-M706-0-1		1	TELETYPE RECEIVER		X		D-CS-M970-0-1		1	CABLE INTERFACE BD.			
X	C-CS-M707-0-1		1	TELETYPE TRANSMITTER										
X	C-CS-M708-0-1		1	CLOCK CONTROL										
X	D-CS-M709-0-1		1	CLOCK COUNTER										
X	D-CS-M710-0-1		1	PUNCH CONTROL										
X	C-CS-M714-0-1		1	CONTROL FOR CR 81										
X	C-CS-M715-0-1		1	READER CLOCK										
X	C-CS-M716-0-1		1	CONTROL FOR CR 81										
X	B-CS-M720-0-1		1	MEMORY DETECTION										
X	C-CS-M750-0-1		1	LINE I/O CONTROL		X		D-CS-M3070-0-1		1	INTERGRATING ONE SHOT			
X	D-CS-M751-0-1		1	LINE REGISTER										
X	D-CS-M752-0-1		1	INSTRUCTION DECODER										
X	D-CS-M753-0-1		1	ASYNC MEDEM LINE CONTROL										
X	D-CS-M763-0-1		1	WRITER BUFFER										
X	C-CS-M765-0-1		1	READ BUFFER										

CUSTOMER PRINT SET										MFG. SET											CUSTOMER PRINT SET										MFG. SET																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
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SIZE B CODE CS NUMBER 702A-0-1 REV. A



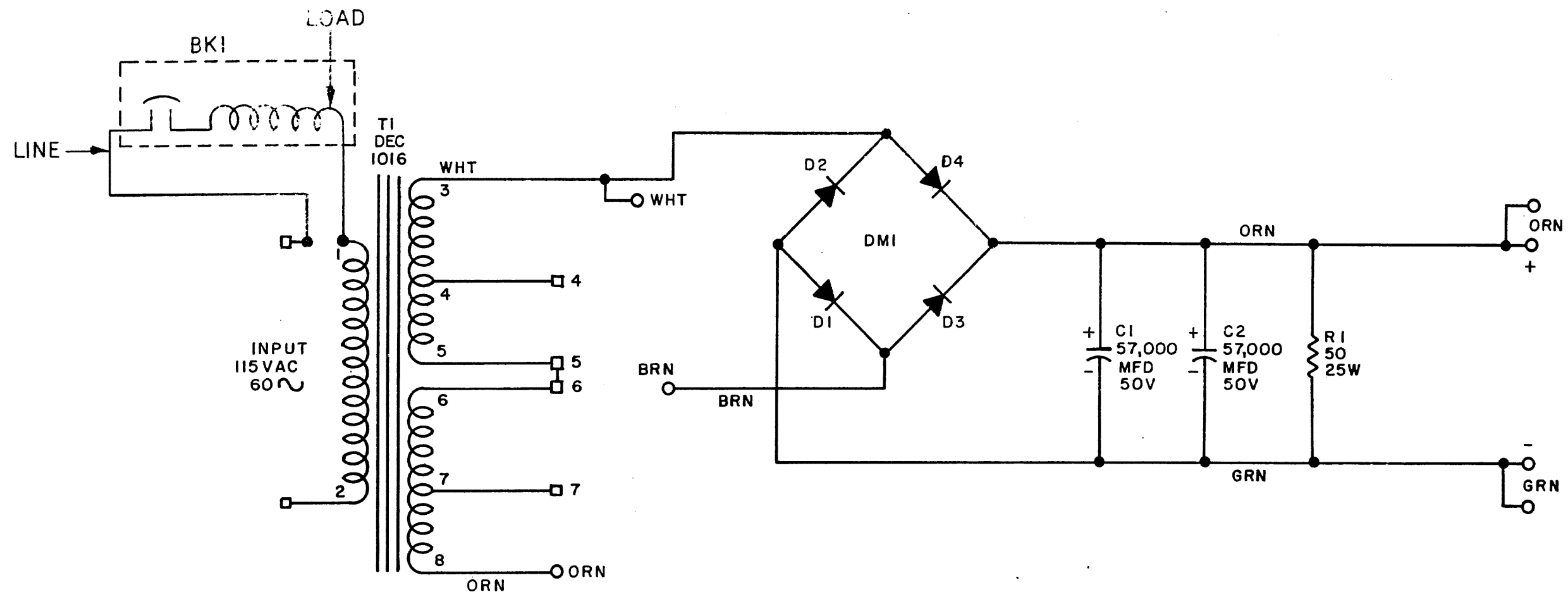
NOTE:

INPUT VOLTAGE	JUMPER	LINE
112.5 10%	2-4, 3-7	3, 4
123.5 10%	1-4, 3-7	3, 4
195 10%	1-5	3, 4
220 10%	1-6	3, 4
235 10%	2-8	3, 4

□ CINCH JONES STRIP
○ HEYMAN TAB CONNECTORS
USE #14 AWG STRANDED WIRE

REVISIONS CHK CHG NO. REV. 6524 A	DRN.	DATE	TRANSISTOR & DIODE CONVERSION CHART		digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS	TITLE POWER SUPPLY 702A			
	CHK'D	DATE	DEC	EIA		SIZE	CODE	NUMBER	REV.
	ENG.	DATE				B	CS	702A-0-1	A
	PROD.	DATE				PRINTED CIRCUIT REV.			

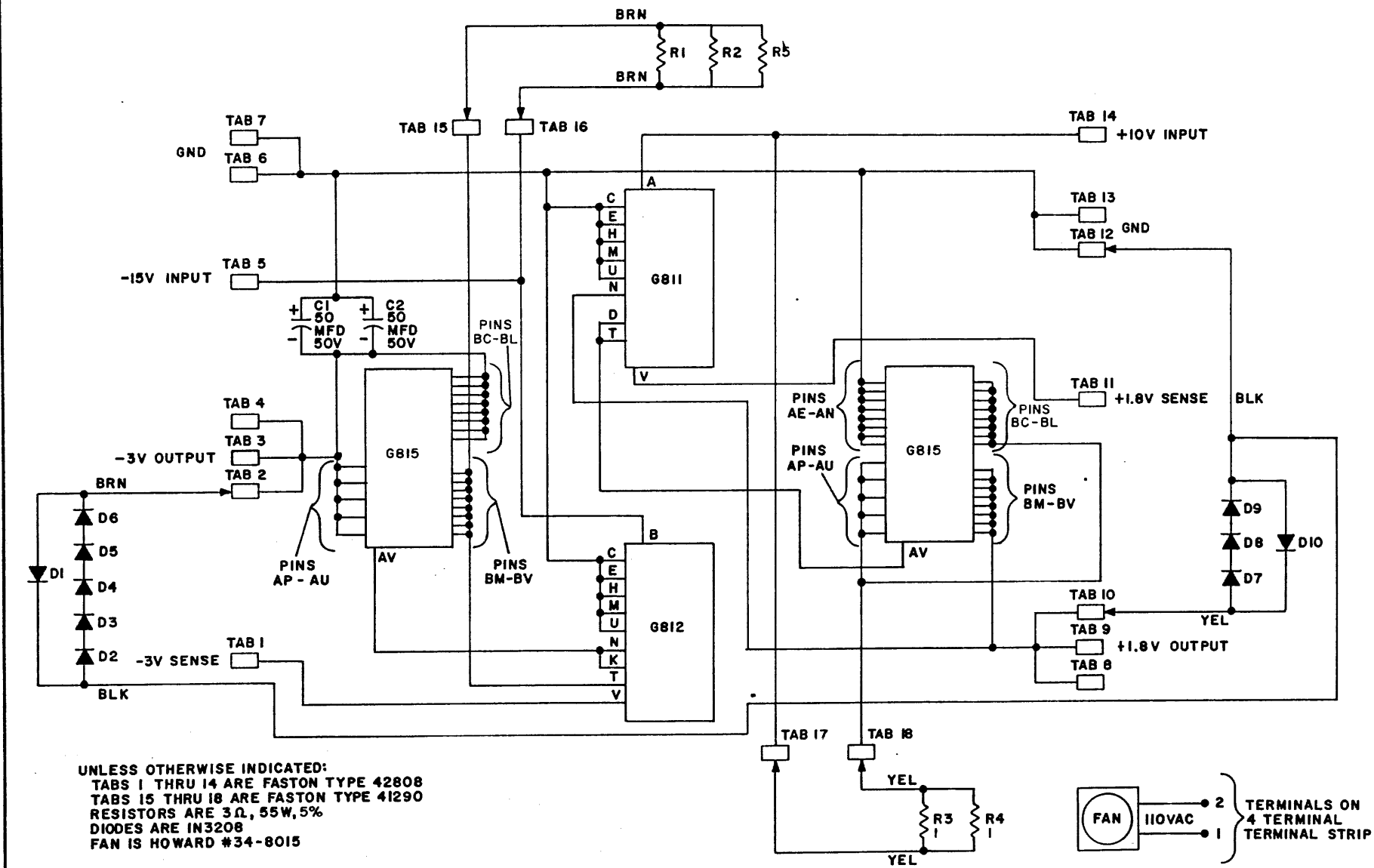
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UNLESS OTHERWISE INDICATED:
□ CINCH JONES STRIP
○ HEYMAN TAB CONNECTORS
USE #14 AWG STRANDED WIRE

REVISIONS	CHK	CHG NO.	REV.	DRN. <i>M. Haller</i>	DATE	TRANSISTOR & DIODE CONVERSION CHART				digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS	TITLE MARGINAL CHECK POWER SUPPLY 702		REV. A	
	702-1	A	CHK'D		DATE	DEC	EIA	DEC	EIA		SIZE	CODE		NUMBER
	702-1	A	ENG.		DATE						B	CS		702-0-1
	702-1	A	PROD.		DATE									

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UNLESS OTHERWISE INDICATED:
TABS 1 THRU 14 ARE FASTON TYPE 42808
TABS 15 THRU 18 ARE FASTON TYPE 41290
RESISTORS ARE 3Ω, 55W, 5%
DIODES ARE IN3208
FAN IS HOWARD #34-8015

PARTS LIST IS A-PL-703-0-0
ETCH BOARD IS 5404326

REV.	CHG.	NO.	REV.
1	0	0	A
2	0	0	B

DRN.	M. HALLER	DATE	9-12-67
CHK'D	R. SILVERMAN	DATE	9-13-67
ENG.	W. WALTON	DATE	9-14-67
PROD.		DATE	

TRANSISTOR & DIODE CONVERSION CHART			
DEC	EIA	DEC	EIA
IN3208	SAME		

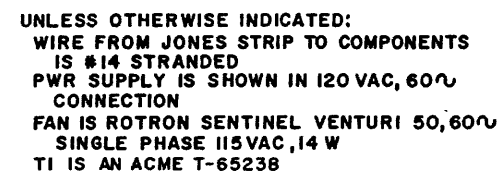
digital
EQUIPMENT
CORPORATION
MAYNARD, MASSACHUSETTS

TITLE			
POWER SUPPLY 703			
SIZE	CODE	NUMBER	REV.
C	CS	703-0-1	B
PRINTED CIRCUIT REV.			

Diagram illustrating a floating supply system with three columns of components:

- Column 1 (Left):** -15V supply, 5 components (BLU).
- Column 2 (Middle):** COM supply, 5 components (YEL).
- Column 3 (Right):** +10V supply, 5 components (RED).

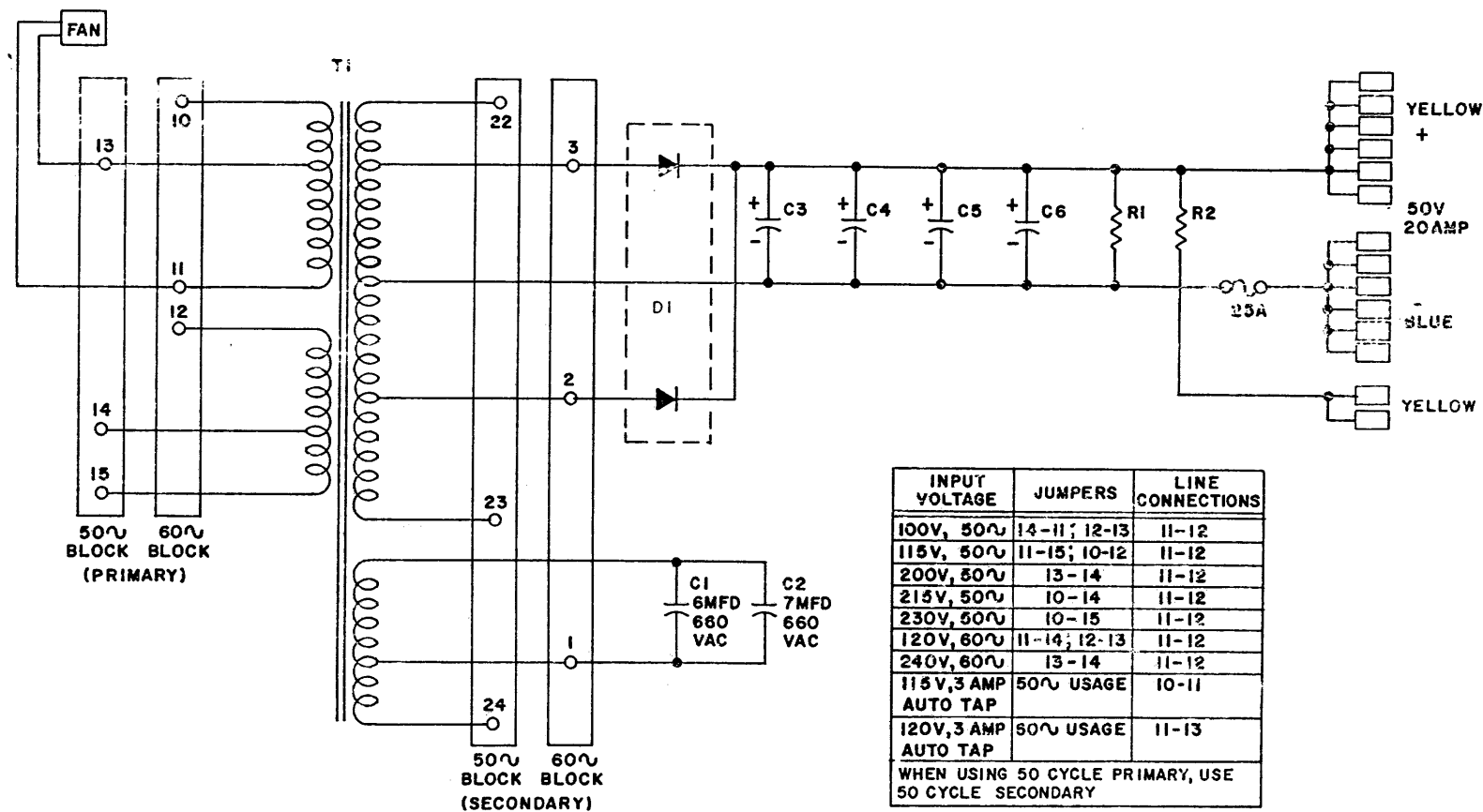
A bracket labeled "FLOATING SUPPLY" connects the +10V supply to the two columns of red components.



TI	XFMR. ACME #T-65238	1605802
RI THRU R5	RES. 25 25W 1% WW	1300190
D2	DIO.PACK DM-15	1105799
D1, D3	DIO.PACK DM-1	1102933
CI THRU C5	CAP. 160,000 MFD 20V	1004874
	PARTS LIST	A-PL-705-0-0
REFERENCE DESIGNATION	DESCRIPTION	PART NO.
	PARTS LIST	

dig	ital	TITLE POWER SUPPLY 705			
		SIZE C	CODE CS	NUMBER 705-0-I	REV. B
EQUIPMENT CORPORATION					
MAYNARD, MASSACHUSETTS					
PRINTED CIRCUIT REV.					

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NOTES:
C1 & C2 ARE RESONATING CAPACITORS
SUPPLIED WITH TRANSFORMER
☐ ARE HEYMAN MFG. CO. TAB TERMINAL
IN PLASTIC BUSHING
WIRE IS #14

INPUT VOLTAGE	JUMPERS	LINE CONNECTIONS
100V, 50 $\sim$	14-11; 12-13	11-12
115V, 60 $\sim$	11-15; 10-12	11-12
200V, 50 $\sim$	13-14	11-12
215V, 50 $\sim$	10-14	11-12
230V, 60 $\sim$	10-15	11-12
120V, 60 $\sim$	11-14; 12-13	11-12
240V, 60 $\sim$	13-14	11-12
115V, 3 AMP AUTO TAP	50 $\sim$ USAGE	10-11
120V, 3 AMP AUTO TAP	50 $\sim$ USAGE	11-13
WHEN USING 50 CYCLE PRIMARY, USE 50 CYCLE SECONDARY		

FAN	FAN ROTRON 50/60 CPS 115VAC 14W	1205033
T1	TRANSFORMER T-65237	1605801
D1	DIODE PACK DM-15	1105799
R2	RES. 25 25W 1% WW	1300190
R1	RES.350 25W 5% WW	1300306
C3 -C6	CAP. 39,000MFD 75V -10+100% EL.	1005798
	PARTS LIST	A-PL-706-0-0
REFERENCE DESIGNATION	DESCRIPTION	PART NO.

REVISIONS		
CHK	CHG NO.	REV.
Paul	6763	A
		B
Paul	6783	C
Paul	6906	D
Paul	7178	E
		F

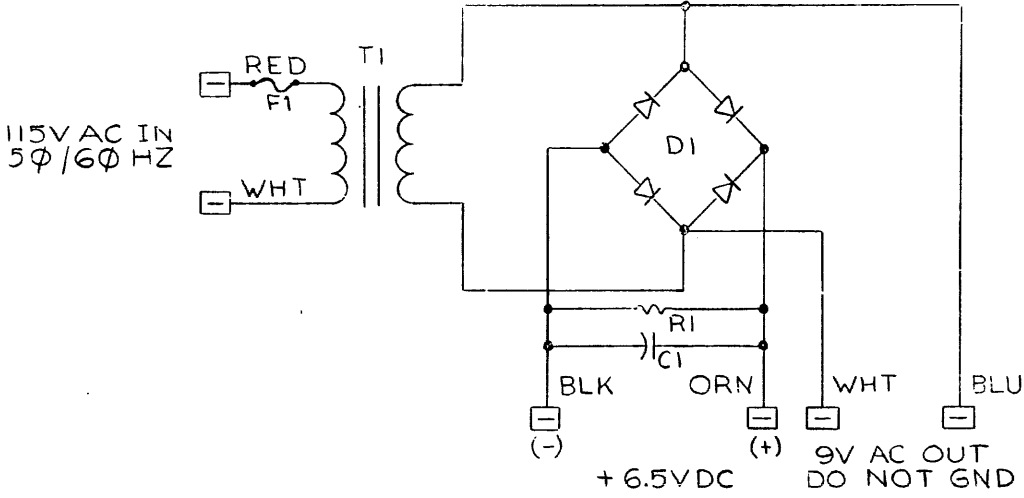
DRN. <i>M. Waller</i>	DATE <i>11-13-67</i>
CHK'D <i>T. ...</i>	DATE <i>11</i>
ENG. <i>P. Sullivan</i>	DATE <i>11/22/67</i>
PROD.	DATE

[illegible]

digital
EQUIPMENT
CORPORATION
MAYNARD, MASSACHUSETTS

TITLE				POWER SUPPLY 706			
SIZE	CODE	NUMBER				REV	
C	CS	706-0-1				F	
PRINTED CIRCUIT REV							

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F1	1/2 AMP S.B. FUSE	9007209
R1	5ohm 25W RES	1300165
C1	18000MFD 10V DC CAP	1009437
	PARTS LIST	D-UA-716-0-0
T1	XMFR*F64-U TRIAD	1609588
D1	DIODE PACK DM-2	1105397
REF DESIGNATION	DESCRIPTION	PART NO.

PARTS LIST

REVISIONS	CHK	CHG	NO.	REV.
71600001	A			
71600002	B			
71600003	C			

DRN.	DATE
RAIMONDI	5-18-69
CHK'D	DATE
HEALY	5-25-69
ENG.	DATE
VONADA	7-21-69
PROD.	DATE
ANTONUCCIO	7-25-69

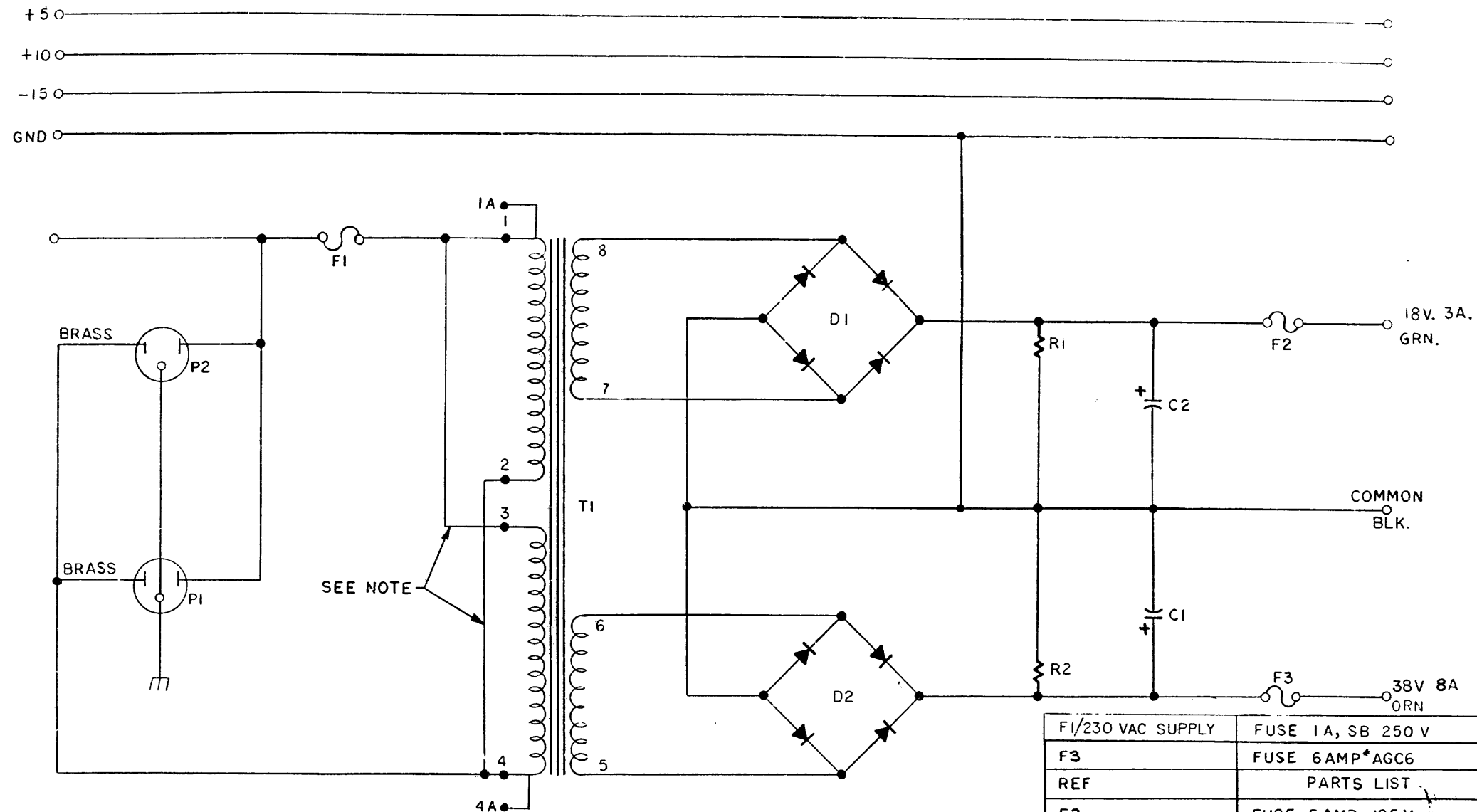
TRANSISTOR & DIODE CONVERSION CHART			
DEC	EIA	DEC	EIA



TITLE			
CIRCUIT SCHEMATIC			
716			
SIZE	CODE	NUMBER	REV.
C	CS	716-0-1	C
PRINTED CIRCUIT REV.			

Pink

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NOTE

INPUT VOLT 50/60 CPS	JUMPER
117 V	1A-3, 2-4A
220 V	2-3

PI/115 VAC SUPPLY	RECEPTACLE	125 V	1201251-0	R1, R2	FIXED RES. 25W 100 Ω	1302583
P2/115 VAC SUPPLY	PLUG	125 V	1209983	D1, D2	REC BRIDGE DM1 OR REC BRIDGE DM2	1102933 1105397
PI/230 VAC SUPPLY	RECEPTACLE	250V	1201251-1	P1	RECEPTACLE 16C1	1201251
P2 230 VAC SUPPLY	PLUG	250V	9008854	P2	PLUG 160-3	1201252
REF DESIGNATION	DESCRIPTION	PART NO.	REF DESIGNATION	DESCRIPTION	PART NO.	

PARTS LIST (CONT)

PARTS LIST

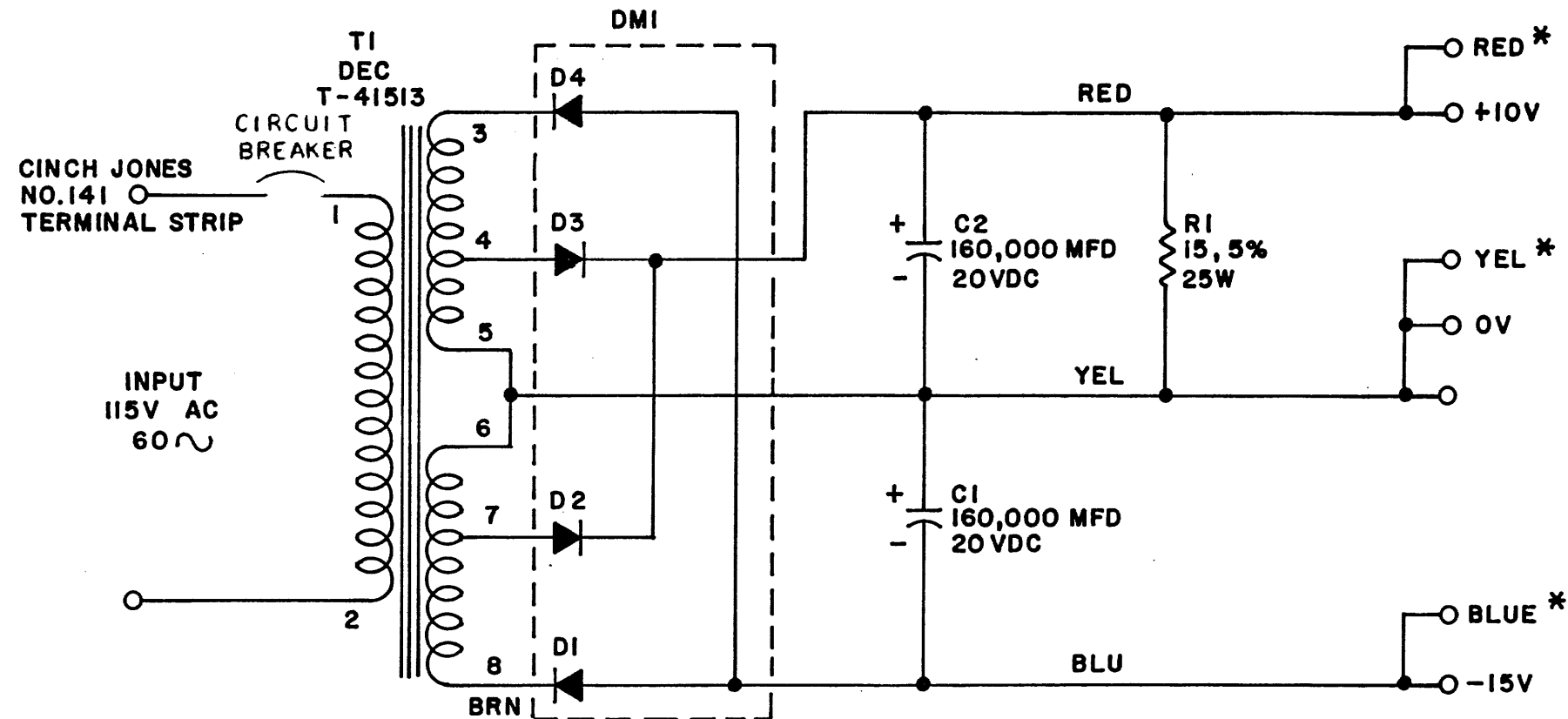
REV.	CHG NO.	REV.
1	00006	A
2	00007	B
3	00008	C
4	00009	D
5	00010	E
6	00011	F

DRN.	DATE
1	8-20-69
CHK'D	DATE
2	8-22-69
ENG.	DATE
3	11-18-69
PROD.	DATE
4	11-18-69

TRANSISTOR & DIODE CONVERSION CHART			
DEC	EIA	DEC	EIA

TITLE			
POWER SUPPLY 725			
SIZE	CODE	NUMBER	REV.
C	CS	725-0-1	F
PRINTED CIRCUIT REV.			

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NOTE:

IN ORDER TO KEEP OUTPUT VOLTAGE WITHIN THE FOLLOWING LIMITS:

+10V: +9.5 TO +11V

-15V: -14.5 TO -16V

THE LOADING SHOULD BE WITHIN THE FOLLOWING LIMITS:

BOTH SIDES LOADED	+10V 0 TO 7.0 AMPS -15V 1.0 TO 8.0 AMPS
ONE SIDE LOADED	+10V 0 TO 7.5 AMPS -15V 1.0 TO 8.5 AMPS

SUM OF THE OUTPUT CURRENTS ARE LIMITED BY THE EQUATION: $5I_{10} + 6I_{15} \leq 53$

* HEYMAN MFG. CO. TAB TERMINALS

REVISIONS	CHK	CHG NO.	REV.
1	DAW	4609	6
2	REV	6031	H
3	REV	6031	J
4	REV	6031	J
5	REV	6031	J
6	REV	6031	J
7	REV	6031	J
8	REV	6031	J
9	REV	6031	J
10	REV	6031	J

DRN. SPAULDING	DATE 11-7-61
CHK'D N.PERRYMAN	DATE 11-8-61
ENG. D.WARDIMAN	DATE 11-9-61
PROD.	DATE

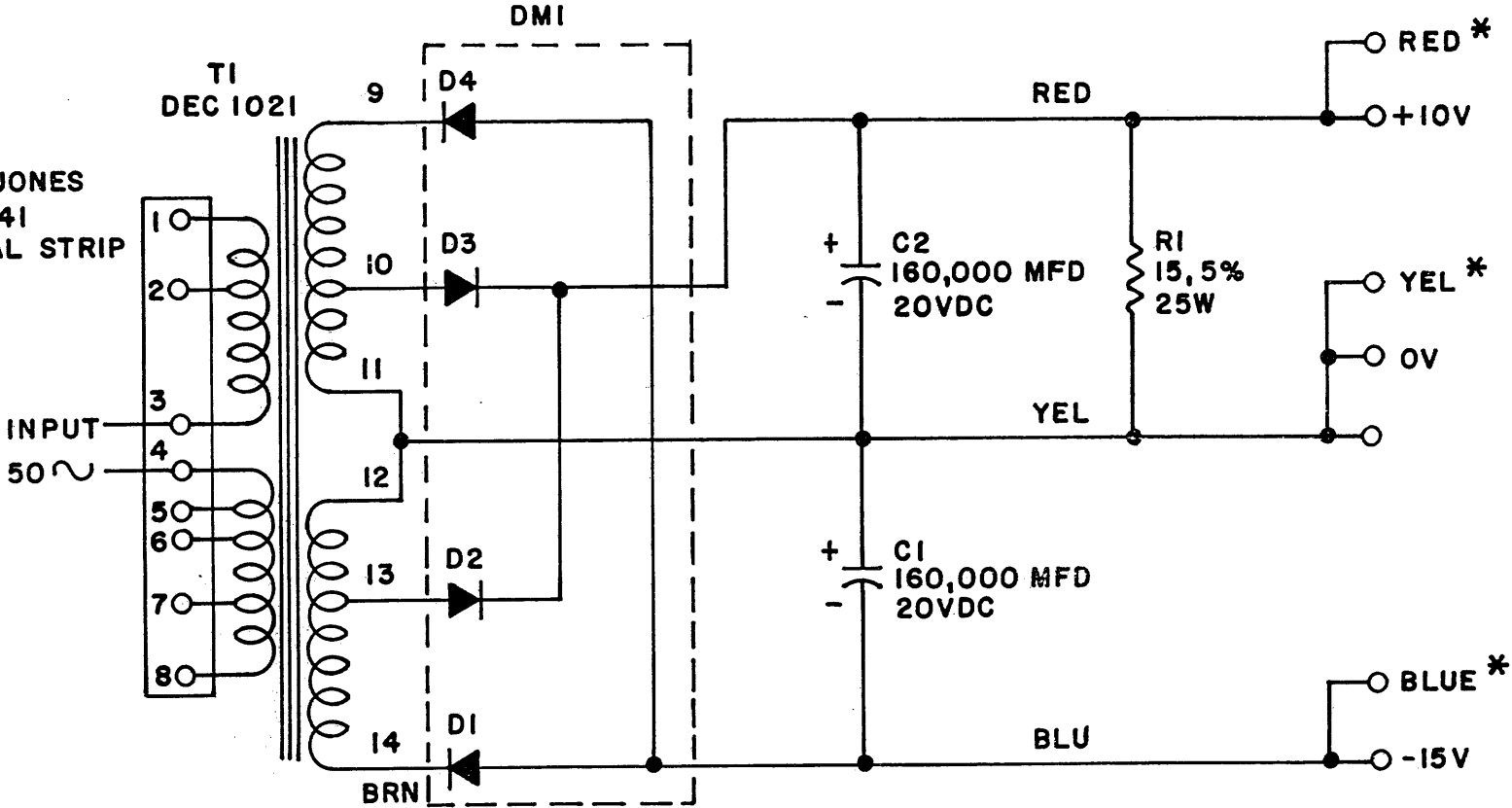
TRANSISTOR & DIODE CONVERSION CHART			
DEC	EIA	DEC	EIA

digital
EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS

TITLE POWER SUPPLY 728			
SIZE	CODE	NUMBER	REV.
B	CS	728-0-1	J
PRINTED CIRCUIT REV.			

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CINCH JONES
NO. 141
TERMINAL STRIP



NOTE:

INPUT VOLTAGE	JUMPER	LINE
112.5 10%	2-4,3-7	3,4
123.5 10%	1-4,3-8	3,4
195 10%	1-5	3,4
220 10%	1-6	3,4
235 10%	2-8	3,4

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

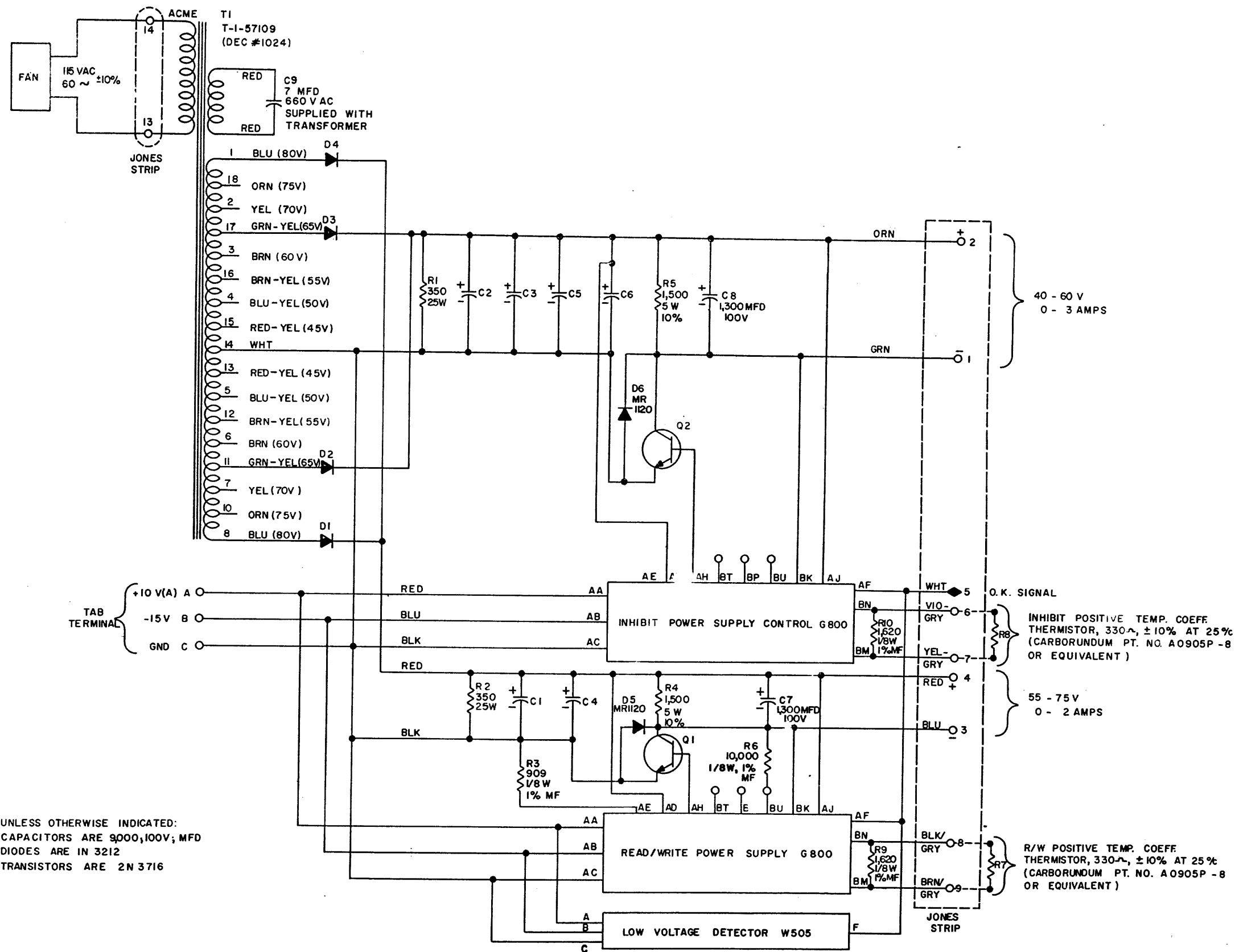
BOTH SIDES LOADED	+10V 0 TO 7.0 AMPS -15V 1.0 TO 8.0 AMPS
ONE SIDE LOADED	+10V 0 TO 7.5 AMPS -15V 1.0 TO 8.5 AMPS

SUM OF THE OUTPUT CURRENTS ARE LIMITED BY
THE EQUATION: $5I_{10} + 6I_{15} \leq 53$

* HEYMAN MFG. CO. TAB TERMINALS

REVISIONS	CHK	CHG NO.	REV.	DRN. KOBLER	DATE 9-23-63	TRANSISTOR & DIODE CONVERSION CHART				digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS	TITLE POWER SUPPLY 728A		
	DAW	4804	4		CHK'D A.VARTANIAN	DATE 9-24-63	DEC	EIA	DEC		EIA	SIZE B	CODE CS
	REV. & REDR.	0	6032		ENG. D.A.WHITE	DATE 9-30-63						NUMBER 728A-0-1	REV. E
					PROD.	DATE						PRINTED CIRCUIT REV.	

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UNLESS OTHERWISE INDICATED:
CAPACITORS ARE 9000, 100V; MFD
DIODES ARE IN 3212
TRANSISTORS ARE 2N 3716

REV.	CHG.	NO.	REV.
1	1	1	1
2	2	2	2
3	3	3	3
4	4	4	4
5	5	5	5
6	6	6	6
7	7	7	7
8	8	8	8
9	9	9	9
10	10	10	10

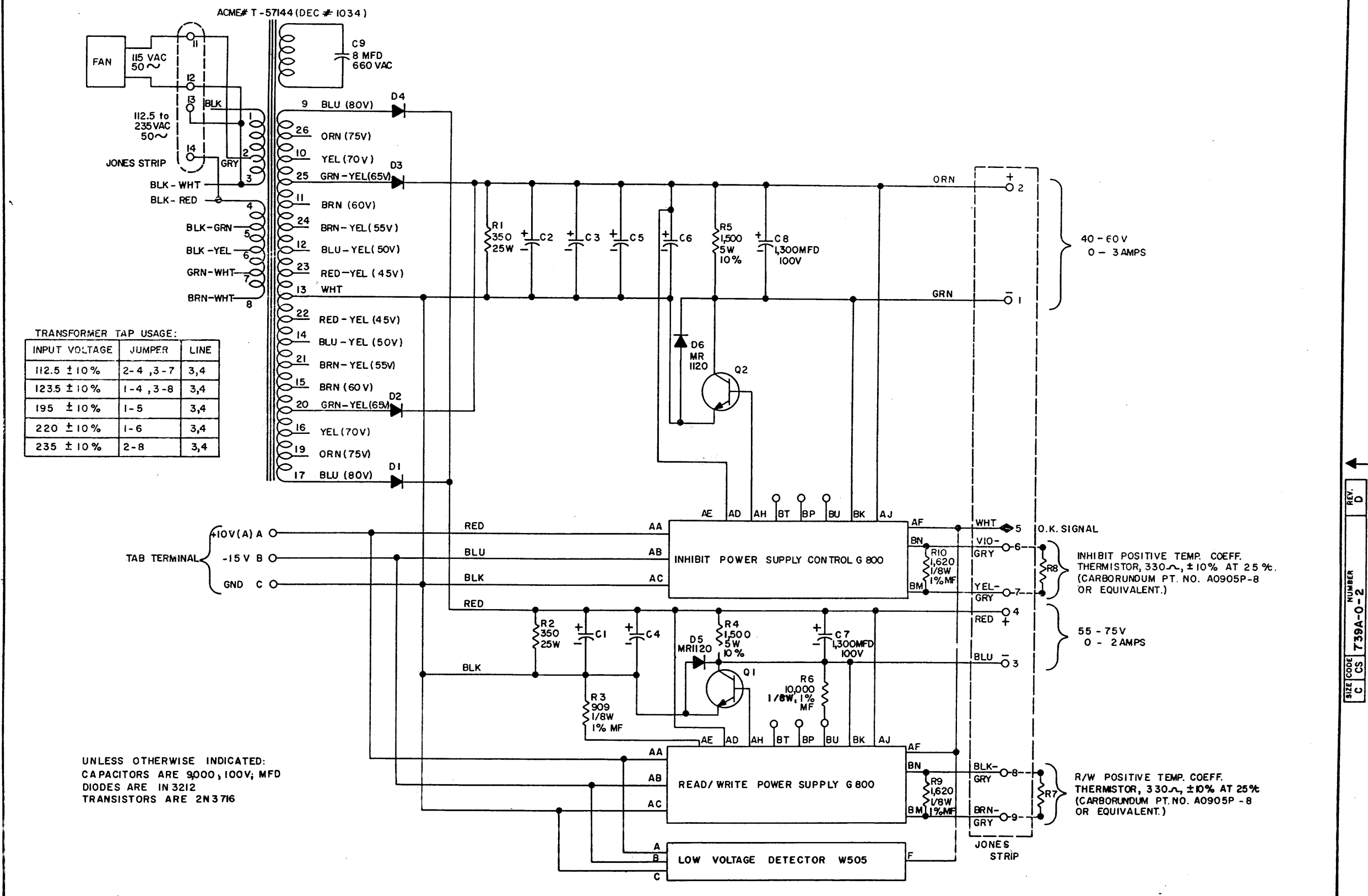
DRN.	DATE
I. HAHN	4-9-65
CHK'D	DATE
N. PERRYMAN	4-9-65
ENG.	DATE
D. WARDIMON	4-9-65
PROD.	DATE

TRANSISTOR & DIODE CONVERSION CHART			
DEC	EIA	DEC	EIA
2N3716	2N3716		
1N3212	1N3212		
MR1120	MR1120		

digital	
EQUIPMENT CORPORATION	
MAYNARD, MASSACHUSETTS	

TITLE			
POWER SUPPLY 739			
SIZE	CODE	NUMBER	REV.
C	CS	739-0-2	D
PRINTED CIRCUIT REV.			

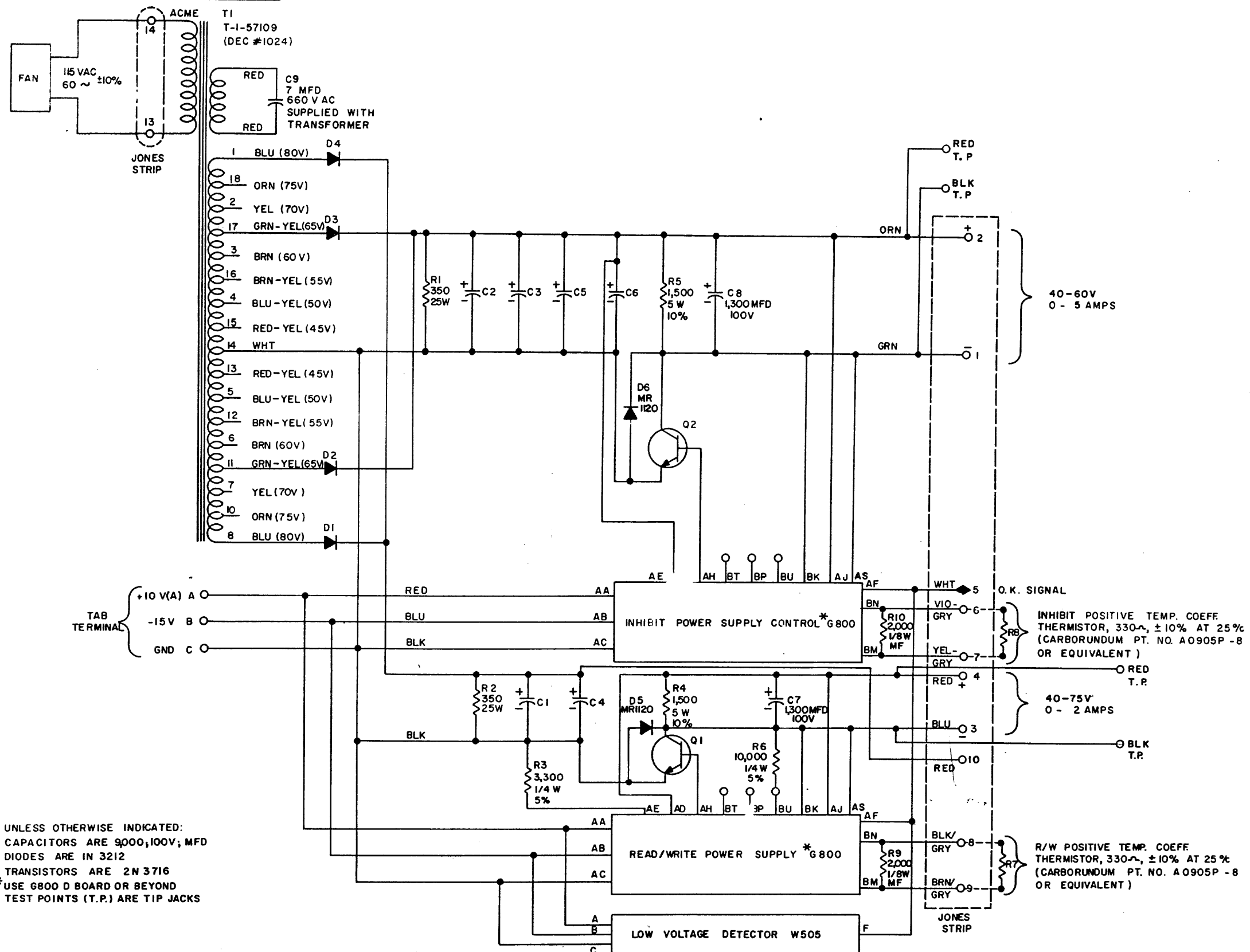
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REVISIONS	CHK	CHG	NO.	REV.	DATE	DRN.	DATE	TRANSISTOR & DIODE CONVERSION CHART	TITLE				
1				1	4-12-65	I. HAHN	4-12-65	DEC	EIA	digital POWER SUPPLY 739A			
2				2	5-13-65	R. SILVERMAN	5-13-65	DEC	EIA				
3				3	5-13-65	D. WARDIMON	5-13-65	DEC	EIA	EQUIPMENT CORPORATION			
4				4	5-13-65		5-13-65	DEC	EIA				
DEC FORM NO. DRC 102						DATE		DATE		SIZE	CODE	NUMBER	REV.
						DATE		DATE		C	CS	739A-0-2	D
						DATE		DATE		PRINTED CIRCUIT REV.			

SIZE CODE NUMBER REV.
C CS 739A-0-2 D

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UNLESS OTHERWISE INDICATED:
CAPACITORS ARE 9000,100V; MFD
DIODES ARE IN 3212
TRANSISTORS ARE 2N 3716
*USE 6800 D BOARD OR BEYOND
TEST POINTS (T.P.) ARE TIP JACKS

REVISIONS		
CHK	QNG NO.	REV.
<i>[Signature]</i>	6447	A
<i>[Signature]</i>	6523	B

DEC FORM NO.
DRC 102

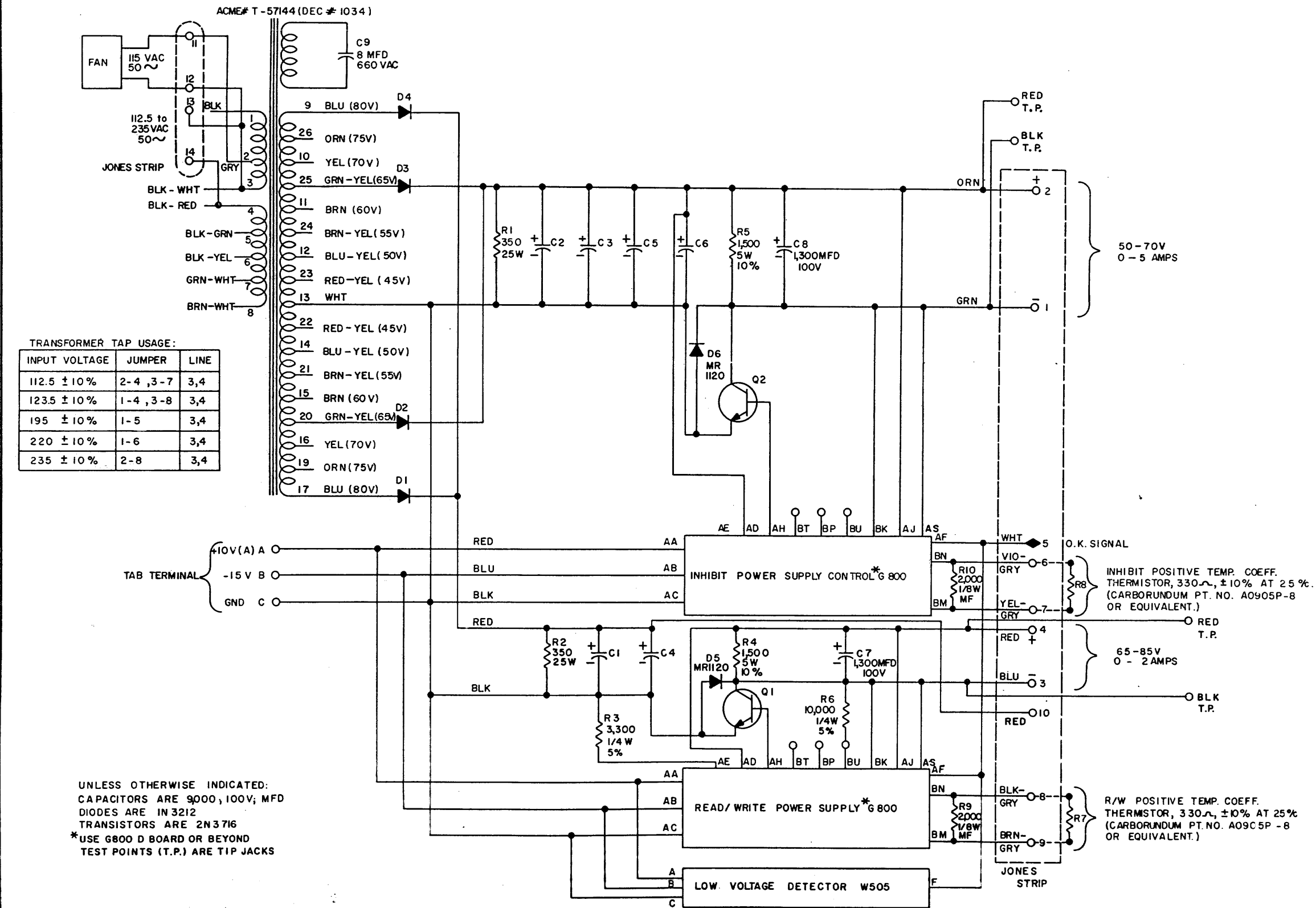
DRN.	<i>P. Aullette</i>	DATE	10/20/68
CHK'D	<i>R. Liberman</i>	DATE	10/20/68
ENG.	<i>H. Boice</i>	DATE	10/20/68
PROD.		DATE	

TRANSISTOR & DIODE CONVERSION CHART			
DEC		EIA	
2N3716	2N3716		
MR1120	MR1120		
1N3212	1N3212		

digital
EQUIPMENT
CORPORATION
MAYNARD, MASSACHUSETTS

TITLE				
POWER SUPPLY 739D				
SIZE	CODE	NUMBER		REVISION
C	CS	739-D-1		8
UNLESS SHOWN OTHERWISE				

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REV.	CHK	NO.	REV.
1	6446	A	
2	6446	B	

DEC FORM NO. 102

DRN.	DATE
Q. Aullette	10/20/66
CHK'D	DATE
R. B. B. B.	10/20/66
ENG.	DATE
R. B. B. B.	10/20/66
PROD.	DATE

TRANSISTOR & DIODE CONVERSION CHART			
DEC	EIA	DEC	EIA
2N3716	2N3716		
MR1120	MR1120		
IN3212	IN3212		

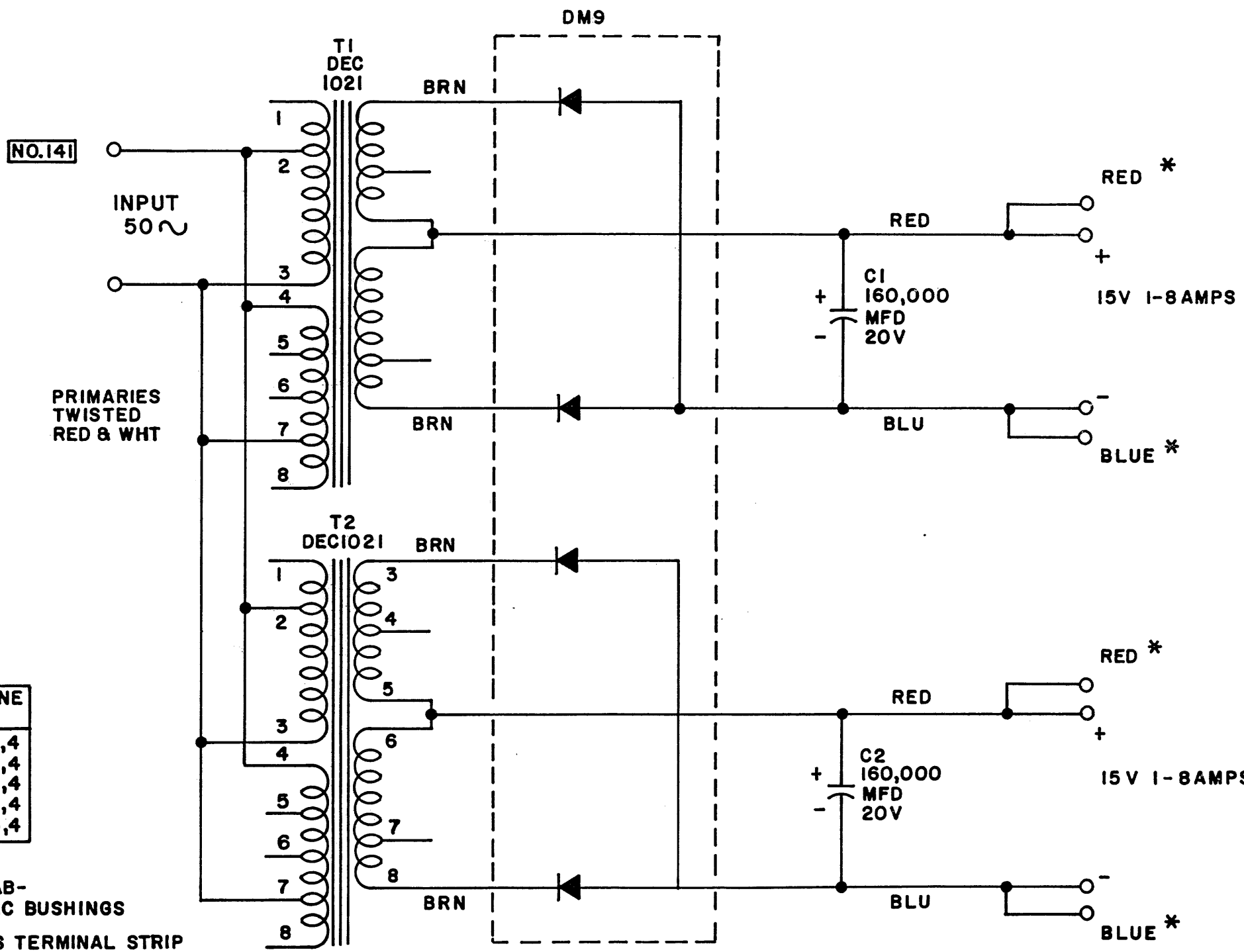
digital
EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS

TITLE
POWER SUPPLY 739E
SIZE CODE NUMBER
C CS 739-E-1
REV. B
PRINTED CIRCUIT REV.

REV. B
NUMBER 739-E-1
SIZE CODE C CS



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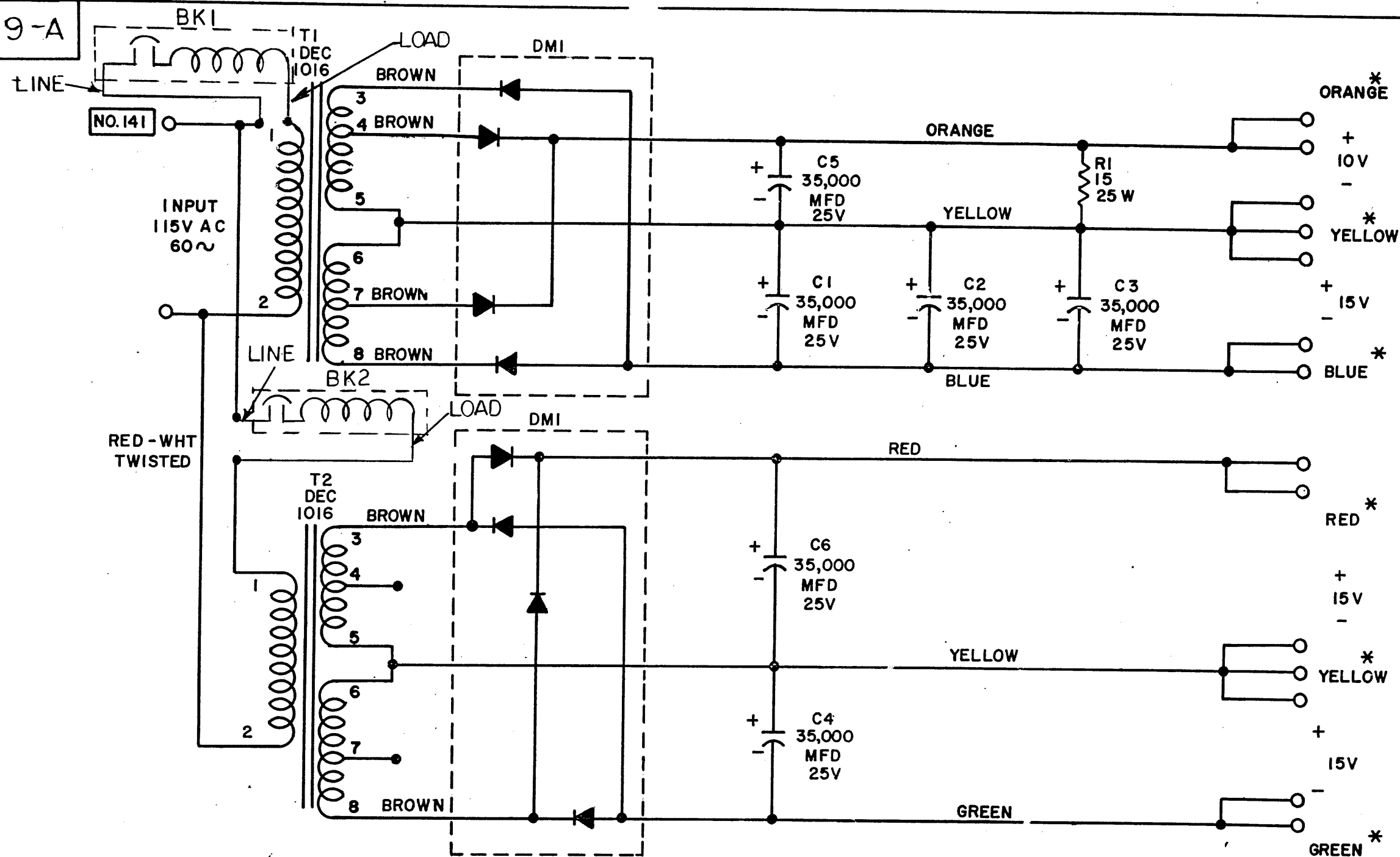
NOTE:

INPUT VOLTAGE	JUMPER	LINE
112.5 10%	2-4, 3-7	3,4
123.5 10%	1-4, 3-8	3,4
195 10%	1-5	3,4
220 10%	1-6	3,4
235 10%	2-8	3,4

* HEYMAN MFG. CO. TAB-
TERMINAL IN PLASTIC BUSHINGS
 CINCH JONES TERMINAL STRIP

REVISIONS CHK CHG NO. REV. DAW 5100 2 REV & REDR 6052 C	DRN. H.W.PORTER	DATE 11-13-63	TRANSISTOR & DIODE CONVERSION CHART				 EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS	TITLE DUAL 15 VOLT POWER SUPPLY 778A			
	CHK'D A.VARTANIAN	DATE 12-9-63	DEC	EIA	DEC	EIA		SIZE B	CODE CS	NUMBER 778A-0-1	REV. C
	ENG. D.A.WHITE	DATE 12-10-63									
	PROD.	DATE									

B-CS-779-A



UNLESS OTHERWISE INDICATED
 * HEYMAN MFG CO TAB -
 TERMINAL IN PLASTIC BUSHING
 [] CINCH JONES TERMINAL STRIP

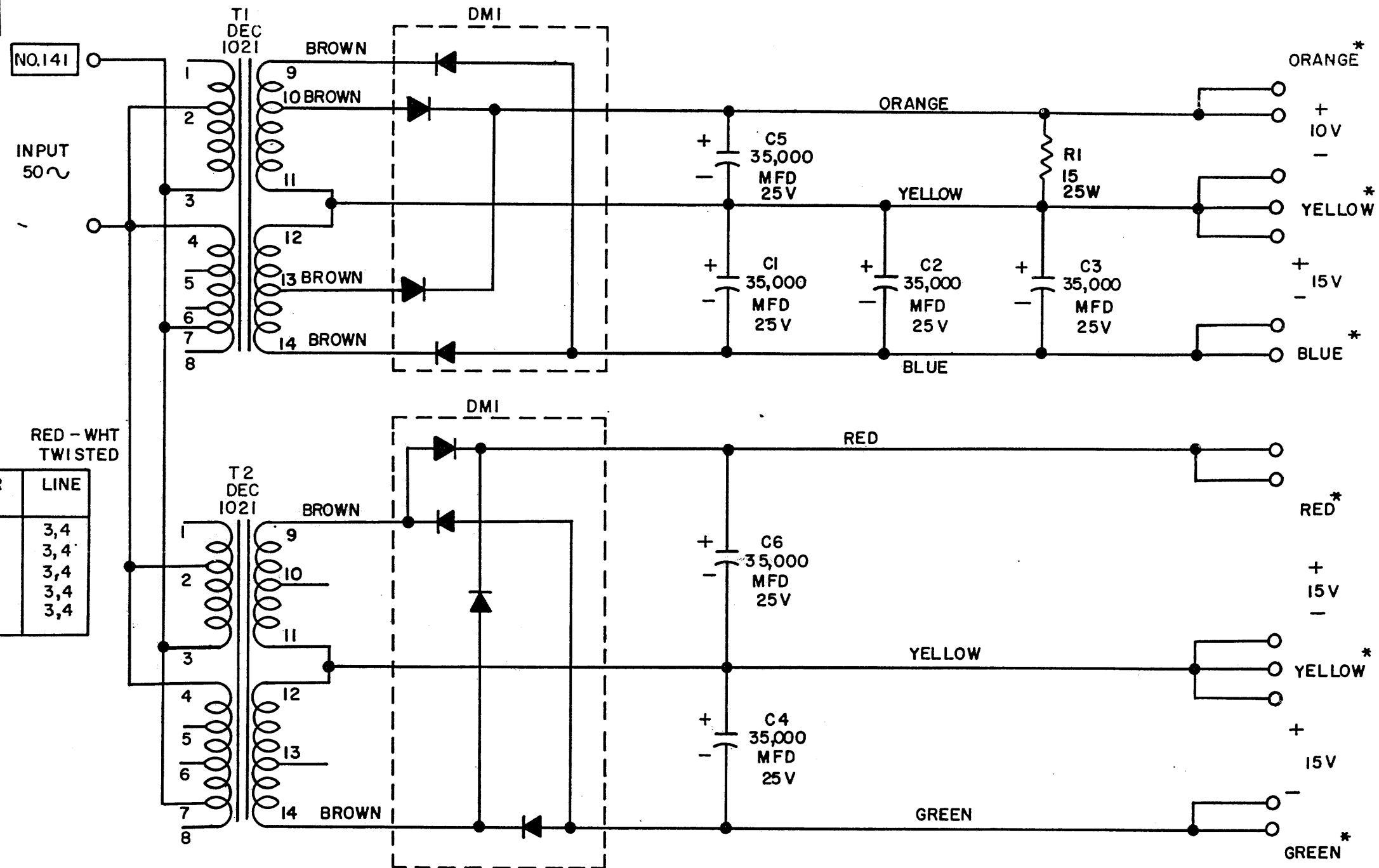
00001	5098-5	4925-4	4018-3	3492-2	3246-1	CH NO.	EXPER.	DRAWN
1/21/63	1/21/63	1/21/63	1/21/63	1/21/63	1/21/63	APP.	PRODUCTION	J.S. CARO 2-13-63
							OTHER	CHECKED
								ENGINEER

digital EQUIPMENT CORPORATION
 MAYNARD, MASSACHUSETTS

B-CS-779-A

POWER SUPPLY 779

CS-779A-3



NOTE:

INPUT VOLTAGE	JUMPER	LINE
112.5V 10%	2-4,3-7	3,4
123.5V 10%	1-4,3-8	3,4
195V 10%	1-5	3,4
220V 10%	1-6	3,4
235V 10%	2-8	3,4

RED - WHT
TWISTED

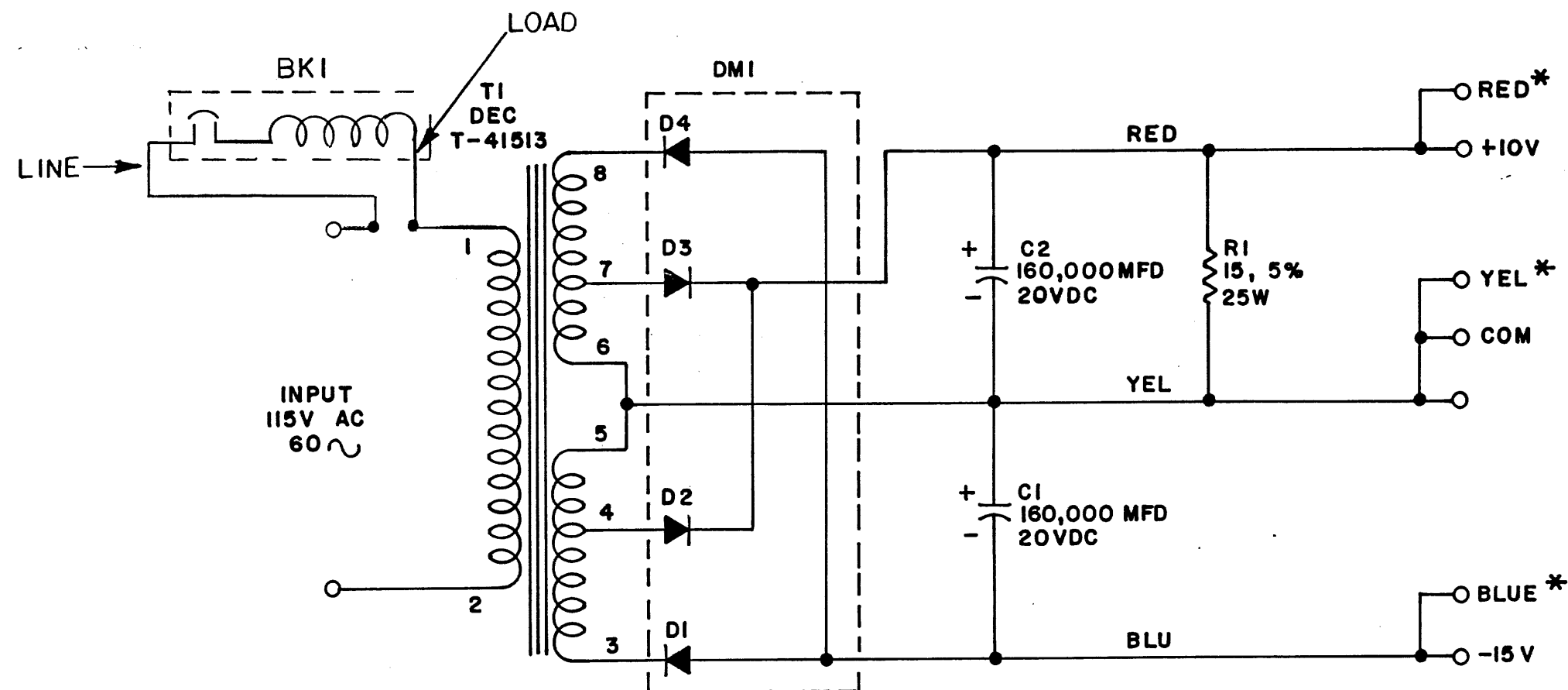
UNLESS OTHERWISE INDICATED:

* HEYMAN MFG CO TAB -
TERMINAL IN PLASTIC BUSHING

□ CINCH JONES TERMINAL STRIP

CHANGE	CH NO.	4019-1	APPROVED	EXPER.	DRAWN	digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS	CS-779A-3
	4019-1	APPROVED	PRODUCTION	N. KOBLER 9-25-63			
	4019-1	APPROVED	OTHER	CHECKED 9-25-63 A. Vartanov			
5097-3 10/20/63				ENGINEER D. White 9/30/63		POWER SUPPLY 779A	

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NOTE:

IN ORDER TO KEEP OUTPUT VOLTAGE WITHIN THE FOLLOWING LIMITS:

+10V: +9.5 TO +11V

-15V: -14.5 TO -16V

THE LOADING SHOULD BE WITHIN THE FOLLOWING LIMITS:

BOTH SIDES LOADED	+10V 0 TO 7.0 AMPS
	-15V 1.0 TO 8.0 AMPS
ONE SIDE LOADED	+10V 0 TO 7.5 AMPS
	-15V 1.0 TO 8.5 AMPS

SUM OF THE OUTPUT CURRENTS ARE LIMITED BY THE EQUATION: $5I_{10} + 6I_{15} \leq 53$

* HEYMAN MFG. CO. TAB TERMINALS

REVISIONS	CHK	CHG NO.	REV.
1	DAW	4740	2
2	REV & REDR.	6033	C
3	REV	00003	D

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	

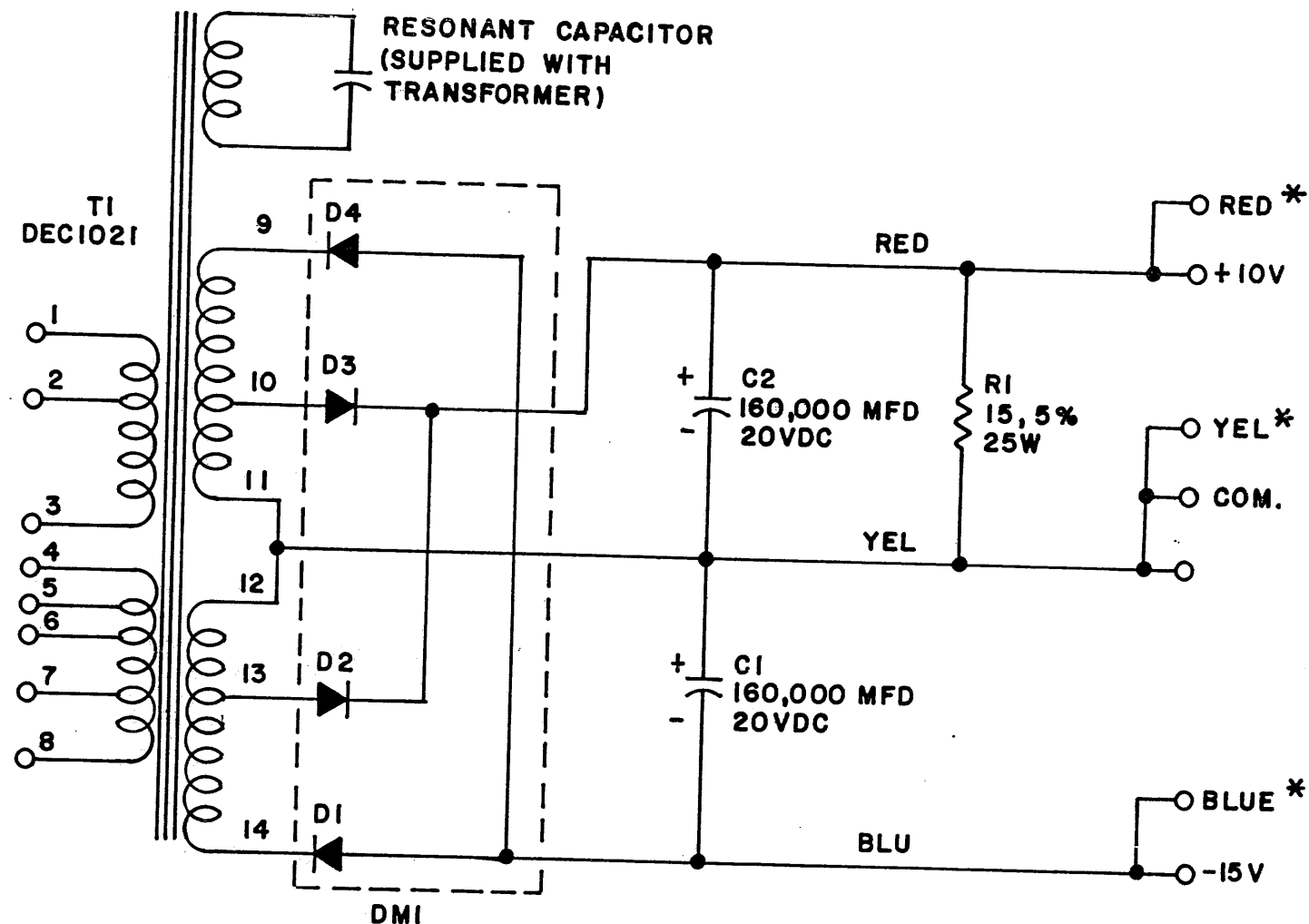
TRANSISTOR & DIODE CONVERSION CHART			
DEC	EIA	DEC	EIA

digital	
EQUIPMENT CORPORATION	
MAYNARD, MASSACHUSETTS	

TITLE			
POWER SUPPLY 783			
SIZE	CODE	NUMBER	REV.
B	CS	783-0-1	D
PRINTED CIRCUIT REV.			

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REV. B
NUMBER 783A-0-1
SIZE CODE 3000 215



NOTE:

INPUT VOLTAGE	JUMPER	LINE
112.5 10%	2-4,3-7	3,4
123.5 10%	1-4,3-8	3,4
195 10%	1-5	3,4
220 10%	1-6	3,4
235 10%	2-8	3,4

IN ORDER TO KEEP OUTPUT VOLTAGE WITHIN THE FOLLOWING LIMITS:

+10V: +9.5 TO +11V

-15V: -14.5 TO -16V

THE LOADING SHOULD BE WITHIN THE FOLLOWING LIMITS

BOTH SIDES LOADED	+10V 0 TO 7.0 AMPS
	-15V 1.0 TO 8.0 AMPS
ONE SIDE LOADED	+10V 0 TO 7.5 AMPS
	-15V 1.0 TO 8.5 AMPS

SUM OF THE OUTPUT CURRENTS ARE LIMITED BY THE EQUATION: $5I_{10} + 6I_{15} \leq 53$

* HEYMAN MFG. CO. TAB TERMINALS

REVISIONS	CHK	CHG NO.	REV.
1	4739	1	REV. A REDR
2	6034	B	

DRN.	I. HAHN	DATE	4-2-65
CHK'D	R. SILVERMAN	DATE	5-17-65
ENG.	R. DOANE	DATE	5-17-65
PROD.		DATE	

TRANSISTOR & DIODE CONVERSION CHART			
DEC	EIA	DEC	EIA

digital
EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS

TITLE POWER SUPPLY 783A			
SIZE B	CODE CS	NUMBER 783A-0-1	REV. B
PRINTED CIRCUIT REV.			

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NOTE:

IN ORDER TO KEEP OUTPUT VOLTAGE WITHIN THE FOLLOWING LIMITS:

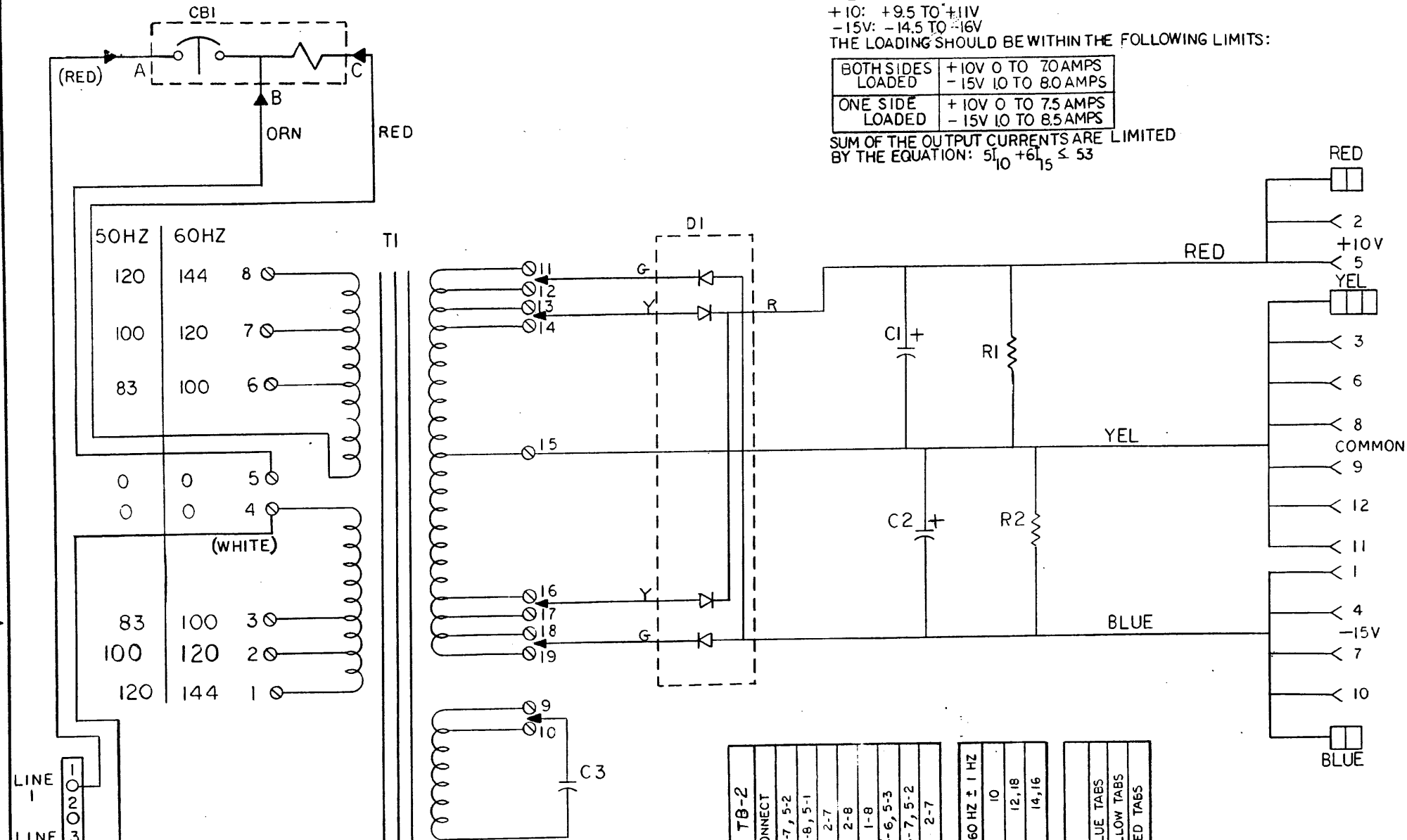
+10V: +9.5 TO +11V

-15V: -14.5 TO -16V

THE LOADING SHOULD BE WITHIN THE FOLLOWING LIMITS:

BOTH SIDES LOADED	+10V 0 TO 70 AMPS
	-15V 10 TO 80 AMPS
ONE SIDE LOADED	+10V 0 TO 7.5 AMPS
	-15V 10 TO 8.5 AMPS

SUM OF THE OUTPUT CURRENTS ARE LIMITED BY THE EQUATION: $5I_{10} + 6I_{15} \leq 53$



LINE 1
LINE 2
TB-2
CINCH JONES
#140
TERMINAL
STRIP

NOTES:

— MATE-N-LOK

□ HEYMAN TAB

○ JONES STRIP (PART OF T1)

← QUICK—CONNECT

power supply

783C

LINE TERMINALS 1,3 TB-2	
INPUT VOLTAGE ± 15%	CONNECT
100V 50 HZ	4-7, 5-2
115V 50 HZ	4-8, 5-1
200V 50 HZ	2-7
240V 50 HZ	2-8
240V 50 HZ	1-8
100V 60 HZ	4-6, 5-3
120V 60 HZ	4-7, 5-2
240V 60 HZ	2-7
CONNECT CAPACITOR TO	
-15V RECTIFIER	11,19
+10V RECTIFIER	13,17
OUTPUT	
15V PINS 1,4,7,10	BLUE TABS
COMMON RETURN PINS 3,6,9,11,12	YELLOW TABS
10V PINS 2,5	RED TABS

BK1	SHUNT TRIP CB 2A	1210896-1
	MATE N LOCK AMP	1209350-12
	HEYMAN TAB BLU	9007232
	HEYMAN TAB RED	9007231
	HEYMAN TAB YEL	9007233
REF	PARTS LIST	A-PL-783C-0-0
DI	DIODE DMI	1102933
R1 R2	150HMS 25W	1300181
C3	CAP	FURN WITH T1
C1,C2	CAP 160,000 μF	1004874
T1	TRANS T-68157	1610416
REF DES	DESCRIPTION	PART NO.

REV	CHG	NO	REV
1	1	1	1
2	2	2	2
3	3	3	3
4	4	4	4
5	5	5	5
6	6	6	6
7	7	7	7
8	8	8	8
9	9	9	9
10	10	10	10

DEC FORM NO.
DRC 102

DRN	DATE
W. H. H.	2-3-71
CHK'D	DATE
J. E. J.	2-25-71
EXP	DATE
J. E. J.	2-25-71
PROD	DATE
J. E. J.	2-25-71

TRANSISTOR & DIODE CONVERSION CHART			
DEC	EIA	DEC	EIA

digital
EQUIPMENT
CORPORATION
MAYNARD, MASSACHUSETTS

TITLE POWER SUPPLY

783C

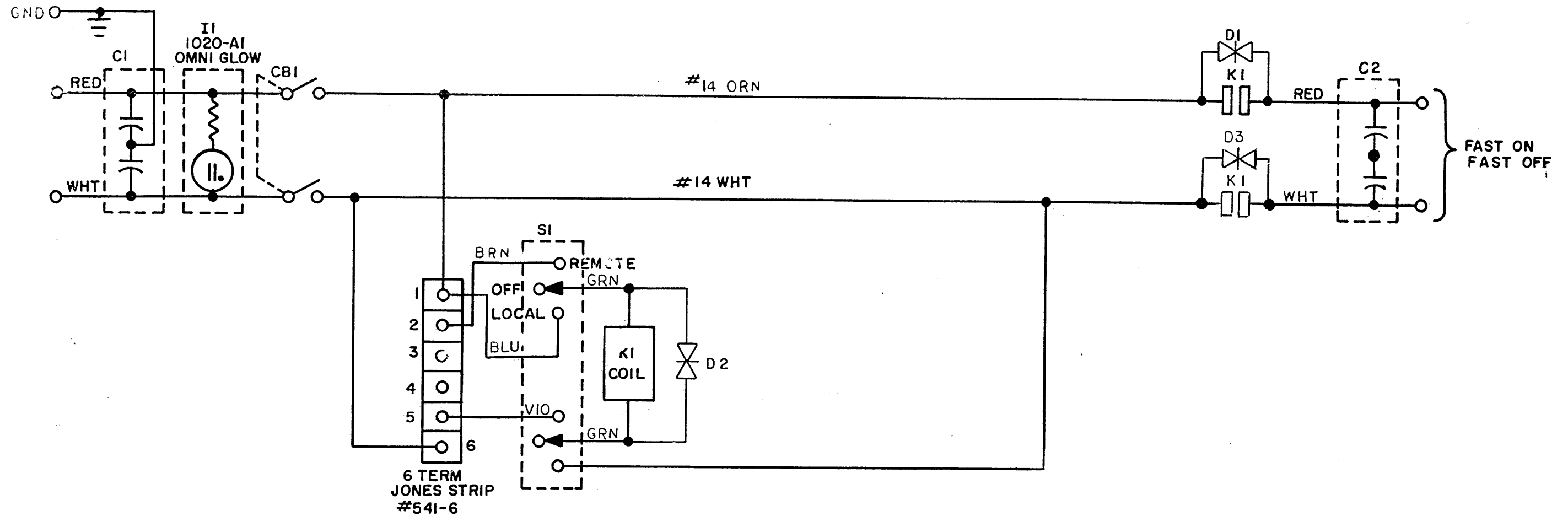
SIZE CODE NUMBER

C CS 783C-0-1

PRINTED CIRCUIT REV.

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

CS-B-834-C

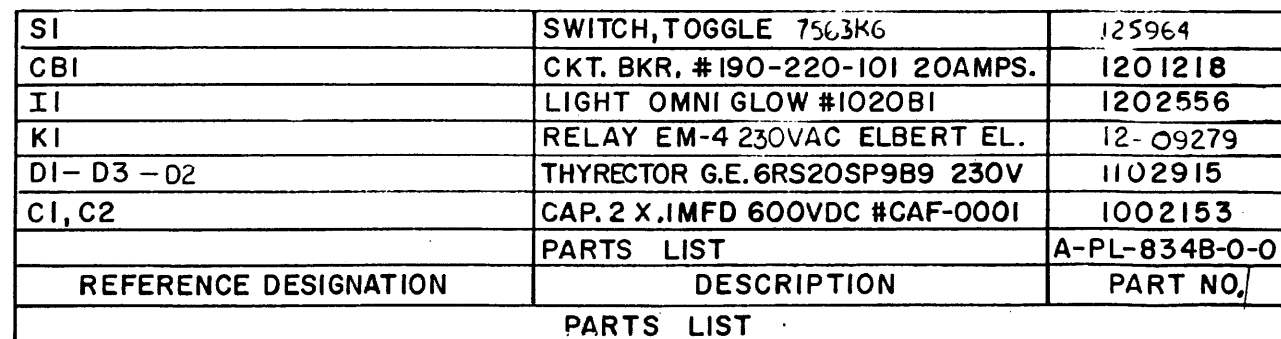


NOTES:

CI & C2 CAPACITOR BATHTUB-DEC PURCH. SPEC # CAF-0001
2X.1MFD 600VDC CORNELL DUBLIER.
SI TOGGLE SWITCH C.H. 7563K6
KI RELAY #EM-1115VAC EBERT ELECTRONICS.
CBI CIRCUIT BREAKER #190-220-101 20AMPS 250V, 60 CYC-CURVE 4
D1,D2,D3THYRECTOR GENERAL ELECTRIC 20 SP4 B4, 115V

ECO. NO.		4557-1		4581-2		00001C		DRAFTSMAN A. OUELLETTE DATE 7-27-64		CHECKER <i>Molloy</i> DATE 8-7-64		digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS		CODE CS		DWG. NO. B-834		REV. C	
ENG.		Date 7-27-64		Date 8-7-64				ENGINEER <i>[Signature]</i> DATE 8-7-64		PRODUCTION DATE		TITLE ONE STEP POWER CONTROL PANEL 834							

SIZE	B	CS	834 B-0-1	REV.
------	---	----	-----------	------



REVISIONS				DRN.	DATE
CHK	CHG NO.	REV.		A.OUELLETTE	8-3-64
DAW	4632	3		CHK'D	DATE
REV. & REDR.				N.PERRYMAN	8-27-64
8880	D			ENG.	DATE
00001	E			R.P.FORTH	8-26-64
00002	F			PROD.	DATE

[illegible]

digital
EQUIPMENT
CORPORATION
MAYNARD, MASSACHUSETTS

TITLE	ONE STEP POWER CONTROL PANEL 834B
-------	--------------------------------------

SIZE B	CODE CS	NUMBER 834B-0-1	REV. F
PRINTED CIRCUIT REV.			

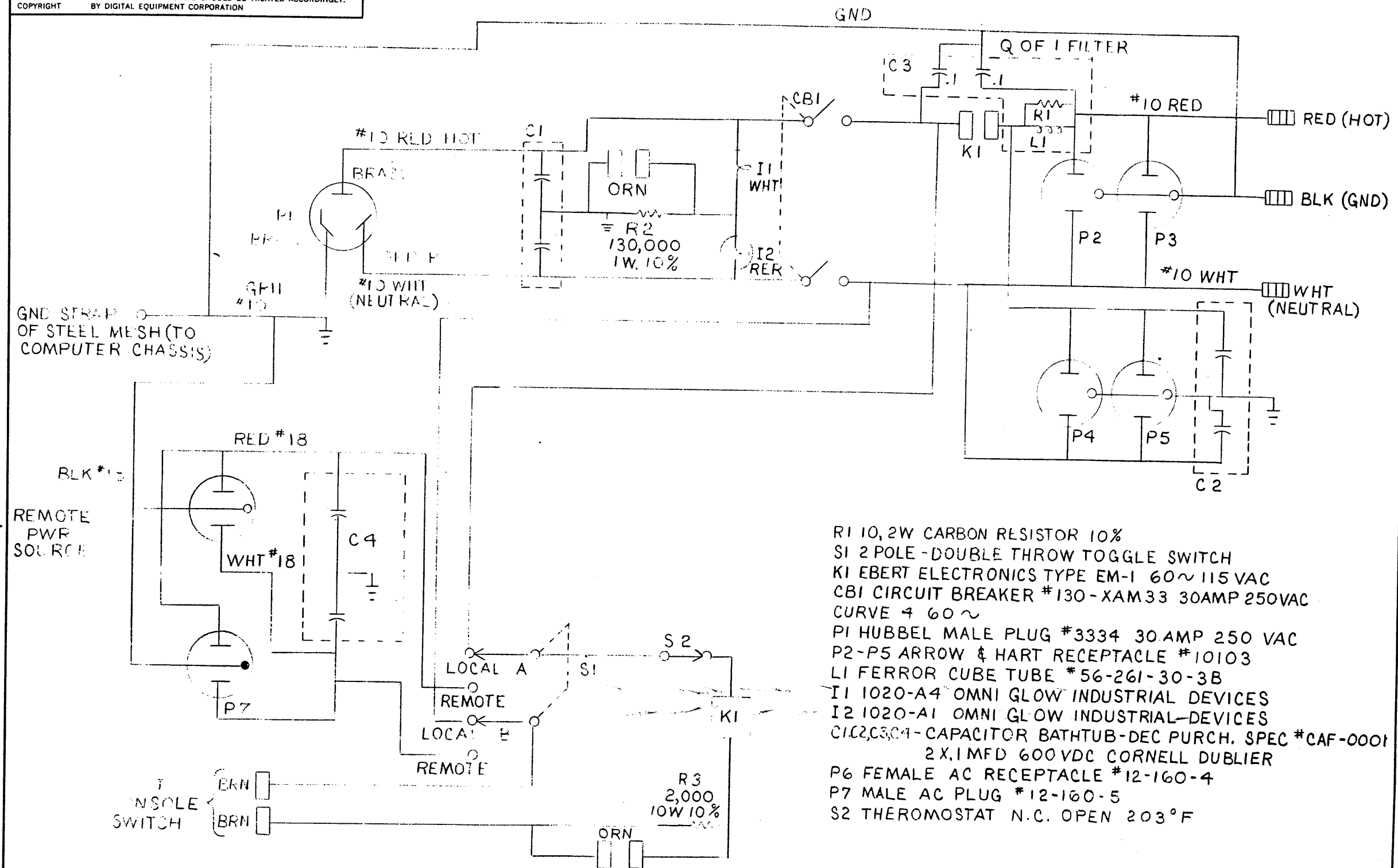
PINK	DIST.	324	434	435 ²
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1973



35

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- R1 10, 2W CARBON RESISTOR 10%
- S1 2 POLE-DOUBLE THROW TOGGLE SWITCH
- KI EBERT ELECTRONICS TYPE EM-1 60~115 VAC
- CBI CIRCUIT BREAKER #130-XAM33 30AMP 250VAC CURVE 4 60~
- P1 HUBBEL MALE PLUG #3334 30 AMP 250 VAC
- P2-P5 ARROW & HART RECEPTACLE #10103
- LI FERROR CUBE TUBE #56-261-30-3B
- I1 I020-A4 OMNI GLOW INDUSTRIAL DEVICES
- I2 I020-A1 OMNI GLOW INDUSTRIAL DEVICES
- C1, C2, C3, C4-CAPACITOR BATHTUB-DEC PURCH. SPEC #CAF-0001 2X.1MFD 600VDC CORNELL DUBLIER
- P6 FEMALE AC RECEPTACLE #12-160-4
- P7 MALE AC PLUG #12-160-5
- S2 THERMOSTAT N.C. OPEN 203°F

REV.	CHK	NO.	REV.
A	1	1	1

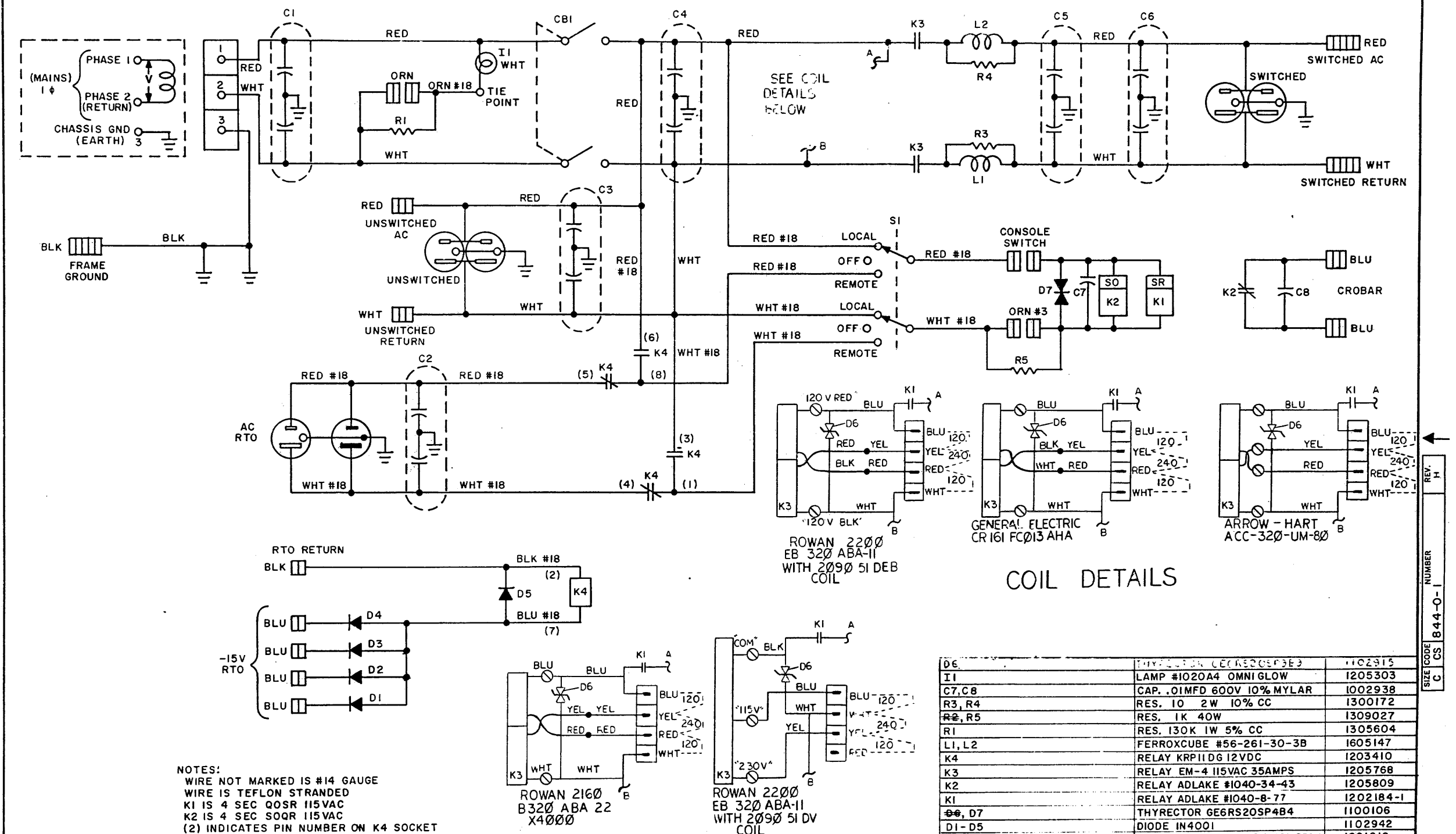
DEC FORM NO. DRC 102

ORIN.	M. HALLER	DATE	10-31-57
CHK'D	R. SILVERMAN	DATE	11-1-57
ENG.	R. FANK	DATE	11-1-57
PROD.		DATE	

TRANSISTOR & DIODE CONVERSION CHART			
DEC	EIA	DEC	EIA

digital		POWER CONTROL 841A	
EQUIPMENT CORPORATION	SIZE	CODE	NUMBER
MAYNARD, MASSACHUSETTS	C	CS	841-A-1
PRINTED CIRCUIT REV.			REV. B

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SOME UNITS WERE BUILT
AS SHOWN ABOVE.

D6	THYRECTOR 6E6RS20SP4B3	1102915
I1	LAMP #1020A4 OMNIGLOW	1205303
C7,C8	CAP. .01MFD 600V 10% MYLAR	1002938
R3, R4	RES. 10 2W 10% CC	1300172
~~R2~~ , R5	RES. 1K 40W	1309027
R1	RES. 130K 1W 5% CC	1305604
L1, L2	FERROXCUBE #56-261-30-3B	1605147
K4	RELAY KRPIIDG 12VDC	1203410
K3	RELAY EM-4 115VAC 35AMPS	1205768
K2	RELAY ADLAKE #1040-34-43	1205809
K1	RELAY ADLAKE #1040-8-77	1202184-1
~~D6~~ , D7	THYRECTOR 6E6RS20SP4B4	1100106
DI-D5	DIODE IN4001	1102942
CBI	CKT. BKR. #190-230-104 30A 250V	1201219
C1-C6	CAP. 2X.1MFD BATHTUB #CAF0001	1002153
	PARTS LIST	A-PL-844-0-0
REFERENCE DESIGNATION	DESCRIPTION	PART NO.

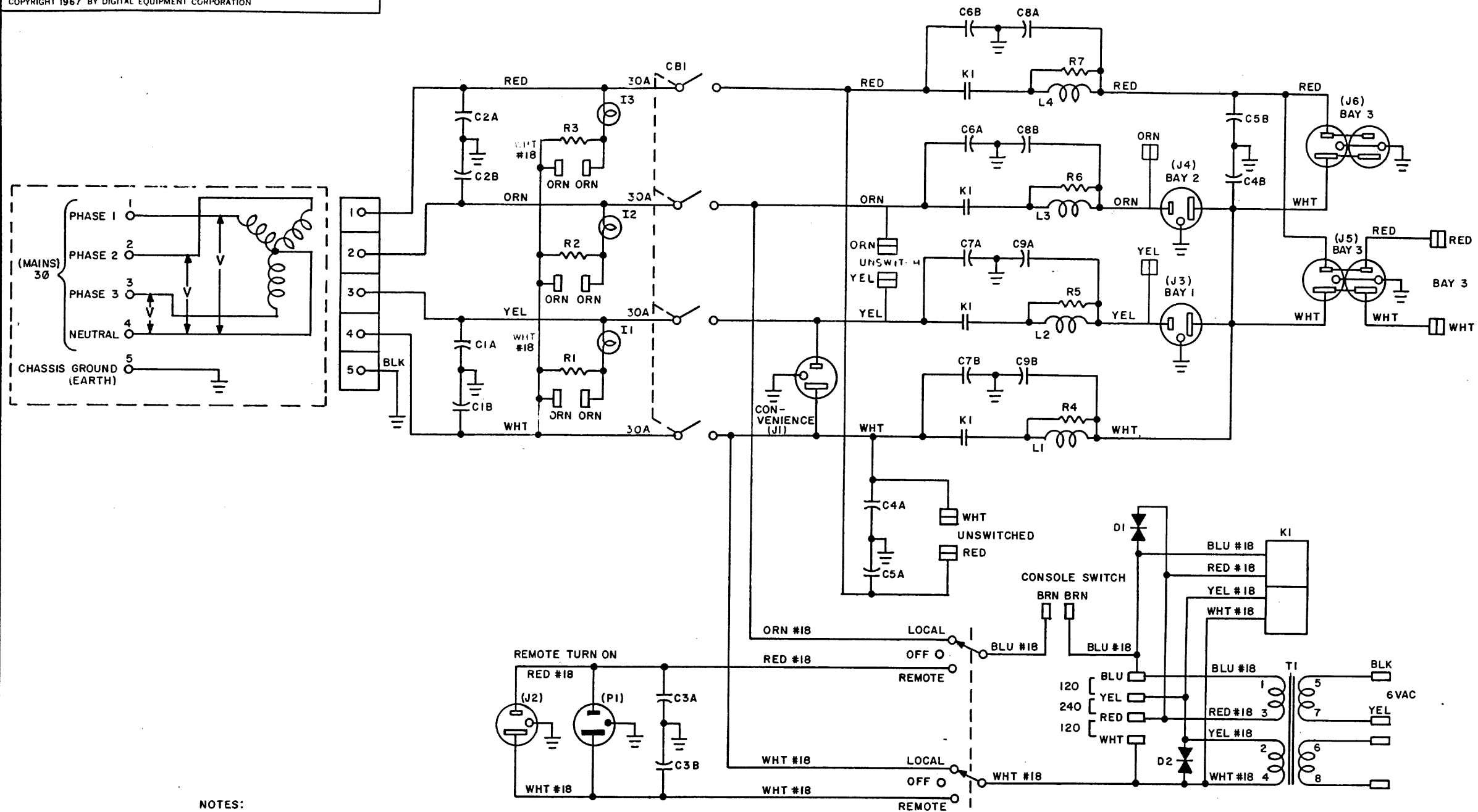
REVISIONS	
CHK	CHG NO. REV.
RMS	6628 B
REV	6 REDL
	6722 C
	6999 D
ART	844-3 E
REV	10-0004 F
REV	844-6 H

DRN. M. HALLER	DATE 7-20-67
CHK'D R. SILVERMAN	DATE 8-24-68
ENG. R. WYMAN	DATE 8-24-68
PROD.	DATE

TRANSISTOR & DIODE CONVERSION CHART			
DEC		EIA	
IN4001	SAME		

digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS	TITLE									
	POWER CONTROL 844									
	SIZE	CODE	NUMBER						REV.	
		CS	844-0-I						H	
	PRINTED CIRCUIT REV.									

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NOTES:
WIRE NOT MARKED #18 IS #14 GAUGE
WIRE IS TEFLON STRANDED

CBI	CKT BRKR 30A 250 VAC	12 11037-02
D1, D2	THYRECTOR GE #6RS20SP4B4	1100106
T1	TRANSFORMER THORDARSON #23V50	1605719
R4-R7	RES. 10 2W 10% CC	1300172
R1-R3	RES. 130K 1W 5% CC	1305604
L1-L4	FERRITE TUBE 56-261-30-3B	1605147
I1-I3	LAMP #1020 A4	1205303
K1	RELAY #B-230-C 120/240V	1205720
C1-C9	CAP. 2 X 1MFD BATHTUB #CAF0001	1002153
PARTS LIST		A-PL-845-0-0
REFERENCE DESIGNATION		DESCRIPTION
PARTS LIST		PART NO.

REVISIONS	CHK	CHG	NO.	REV.
1	MS	85	5	A
2	REV	8	757	B
3	1	1	00003	C
4	2	1	00004	D
5	2	1	00005	E
6	2	1	00006	F
7	2	1	00007	G
8	2	1	00008	H
9	2	1	00009	I
10	2	1	00010	J
11	2	1	00011	K

DRN.	M. WALLER	DATE	7-21-67
CHK'D	R. SILVERMAN	DATE	8-24-67
ENG.	R. CLEMENTS	DATE	8-25-67
PROD.		DATE	

TRANSISTOR & DIODE CONVERSION CHART			
DEC	EIA	DEC	EIA

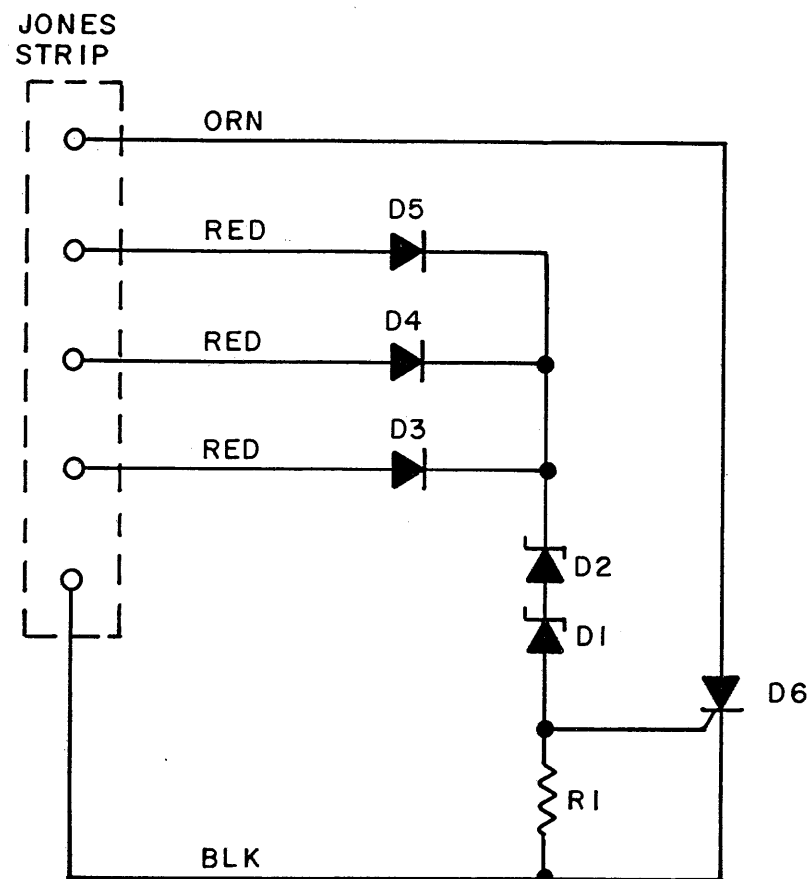
POWER CONTROL 845

SIZE CODE NUMBER REV.
C CS 845-0-1 K

PRINTED CIRCUIT REV.

SIZE CODE NUMBER REV.
C CS 845-0-1 K

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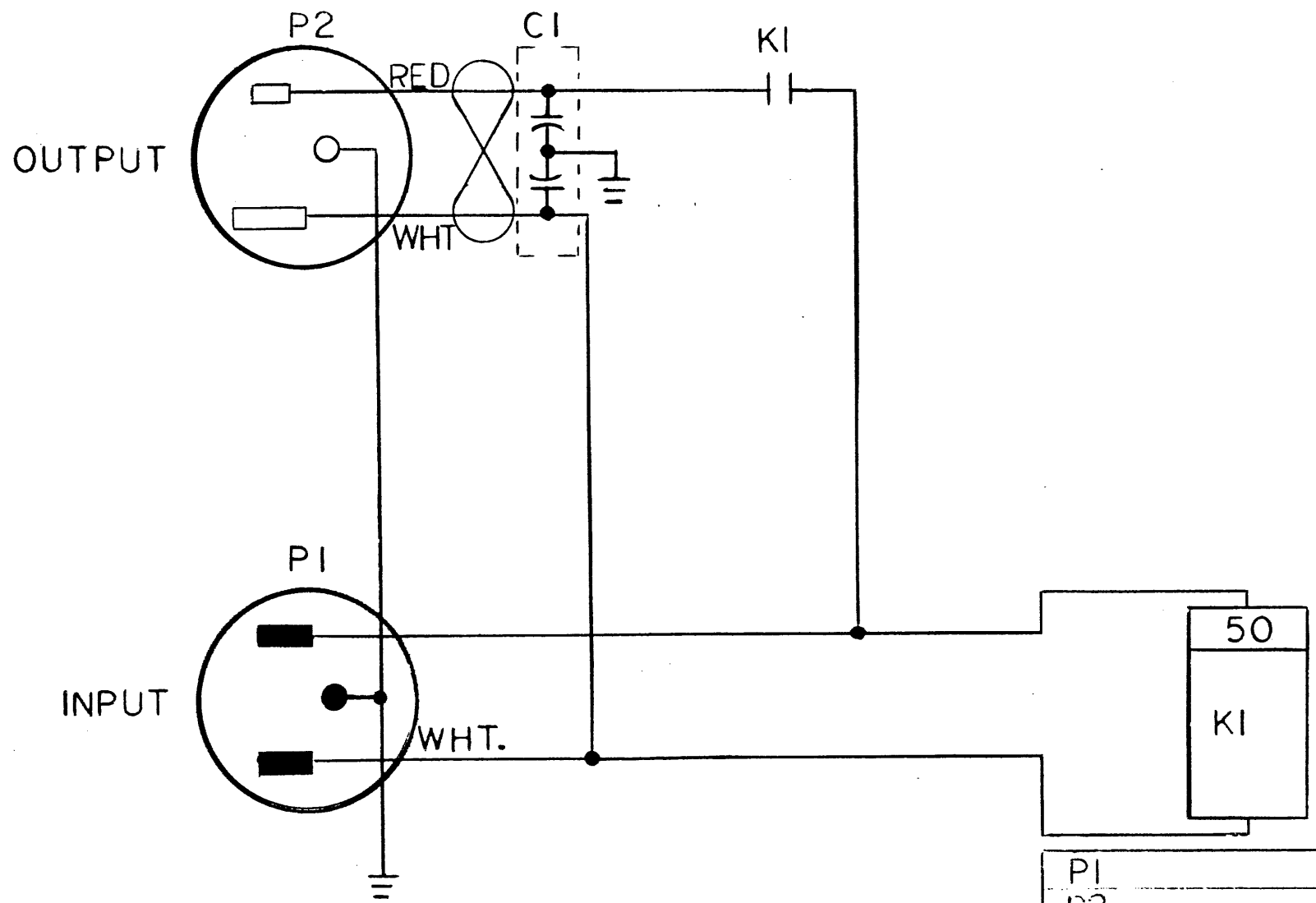


- NOTES:
1. ALL WIRES ARE 18AWG
 2. SCR IS MOUNTED WITH TWO ANODIZED ALUMINUM INSULATING WASHERS AND WAKEFIELD TYPE 120 THERMAL JOINT COMPOUND
 3. STUD TORQUE APPLIED TO SCR. SHOULD BE 30 ± 5 INCH POUNDS

R1	RES. 100 1/4W 5% CC	1300229
D6	RECTIFIER GE-C38F	1105986
D3 - D5	DIODE D664	1100114
D2	DIODE IN750	1100123
D1	DIODE IN756A	1103441
PARTS LIST		A-PL-846-0-0
REFERENCE DESIGNATION	DESCRIPTION	PART NO.
PARTS LIST		

REVISIONS	DRN.	DATE	TRANSISTOR & DIODE CONVERSION CHART		digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS	TITLE OVERVOLTAGE PROTECTOR 846			
	CHK'D	DATE	DEC	EIA		SIZE	CODE	NUMBER	REV.
	ENG	DATE				B	CS	846-0-1	
	PROD.	DATE				PRINTED CIRCUIT REV. A			

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P1	PLUG #160-5 AMP.	1201252
P2	RECP #160-4 AMP.	1201251
C1	CAP 2X .1MF D 1000VDC	1002153
KI	RELAY #1040-8-58	1202183
REF. DESIGNATION	DESCRIPTION	PART NO.

PARTS LIST

REVISIONS CHK CHG NO. REV.	DRN. <i>R. Thibault</i>	DATE 7-24-67	TRANSISTOR & DIODE CONVERSION CHART		digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS	TITLE 848 PWR CONT.	
	CHKD. <i>A. Cook</i>	DATE 8/6/67	DEC	EIA		SIZE B	CODE CS
	ENG. <i>G. Gross</i>	DATE 8/15/67				NUMBER 848-0-1	
	PROD. <i>O. McShane</i>	DATE 8/15/67				REV.	
						PRINTED CIRCUIT REV.	

4.

SIZE CODE	B	CS	853F-0-1	NUMBER	REV. A
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S1 TOGGLE SWITCH DPDT 7563K6 C.H. 3POS CENTER OFF
S2 TOGGLE SWITCH DPST 7590K9
K1 RELAY #1040-8-687 NORMALLY OPEN 115 VAC COIL 3-5 SEC DELAY
QUICK OPERATE, SLOW RELEASE.
K2 RELAY #1040-8-58 NORMALLY OPEN 115 VAC COIL 3-5 SEC DELAY
SLOW OPERATE, QUICK RELEASE.
K3 RELAY # EM-4 115 VAC EBERT ELECTRONICS.
CBI CIRCUIT BREAKER #190-230-104 30 AMPS. 250V, 60 CYC-CURVE 4
TM HOBBS TIME METER TYPE M11906 120V 60 CYC-CURVE 4

REVISIONS		
CHK	CHG NO.	REV.
RC	00001	A

DRN <i>Robert Hutnole</i>	DATE <i>12/18/65</i>
CHK'D <i>W. Carnell</i>	DATE <i>12/23/68</i>
ENG <i>W. D. Gerrell</i>	DATE <i>1-2-69</i>
PROP'D <i>W. D. Gerrell</i>	DATE <i>1-3/69</i>

[illegible]

digital
EQUIPMENT
CORPORATION
MAYNARD, MASSACHUSETTS

TITLE POWER CONTROL 853-F
(115 VOLT DUAL OUTPUT)

SIZE	CODE	NUMBER	REV.
B	CS	853F-0-1	A

[illegible]DEC FORM NO.
DRB 102

DIST.	324	434	² 435	436
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PINK

DRAWING DIRECTORY

CUSTOMER PRINT SET INDEX

THIS IS PRINT SET

SEQUENCE

SEQUENCE

MFG SET

Drawing Directory	E-DD-857-0
Sys Diagram & Notes	D-AR-858-Ø-SDE
857/858 P.C. Flow #1	D-FD-858-Ø-FL1
" " Flow #2	D-FD-858-Ø-FL2
" " Flow #3	D-FD-858-Ø-FL3
857 P.C. (AC Line)	D-CS-857-Ø-ACL
" " (Remote Cont.)	D-CS-857-Ø-RC
" " (Temp Sensors)	D-CS-857-Ø-TMP
858 A.P.C. (Line & Temp Sens.)	D-CS-858-Ø-LTS
858 A.P.C. (Restart)	D-CS-858-Ø-RES
Module Utilization	D-MU-857-Ø-MUAD
Module Utilization	D-MU-858-Ø-MUAB
Wired Assy 857 P.C.	C-AD-7ØØ8893-Ø-Ø
Wire List (857)	K-WL-857-Ø-WL
Wired Assy 858 Aux P.C.	C-AD-7ØØ8895-Ø-Ø
Wire List (858)	K-WL-858-Ø-WL

857 Power Control D-GA-857-A-0
857 Power Control
(PL) A-PL-857-0-0
Transformer Assy D-AD-7008875-0-0
857 Test Procedure C-SP-857-0-3
857 Tester C-CS-857-0-2

NOTE: The Mfg. set for the 858
Aux. Power Control is
documented on B-DD-858-0

UNIT VARIATIONS

PRINT SET TYPE

VARIATION

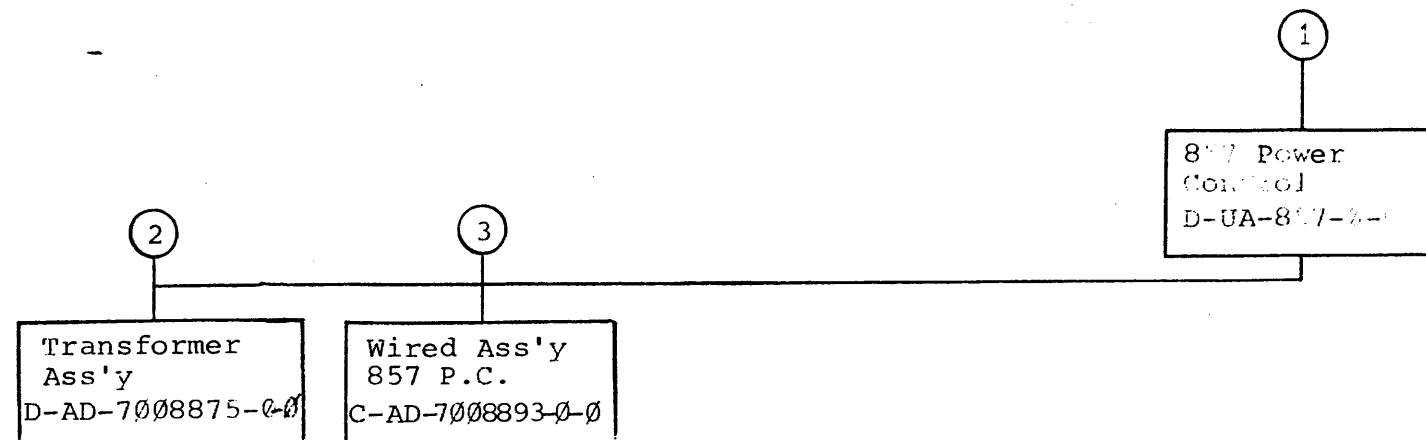
TITLE

[illegible]

REVISIONS			
DATE	CHG. NO.	REV	
9-72	857-1	A	
Allan Kent 10-1-72			
11-72	858-1	B	
B. Askey 11-2-72			
A. KENT			
Allan Kent 21 Nov 72			
12-72	857-2	C	
B. Askey 12-12-72			
A. KENT			
Allan Kent 2 Jan 72			
1-72	857-3	D	
E. Allein 8-31-73			
A. KENT			
Allan Kent 13 Sep 73			
2-72	857-4	E	
S. Chatten 11-2-73			
DREW			
S. Chatten 11-11-73			
3-72	857-5	F	
S. Chatten 7-2-74			
SCHWARTZ			
M. Schwartz 7/10/74			
4-72	857-6	H	
S. Chatten 10-8-74			
SCHWARTZ			
M. Schwartz 10/11/74			

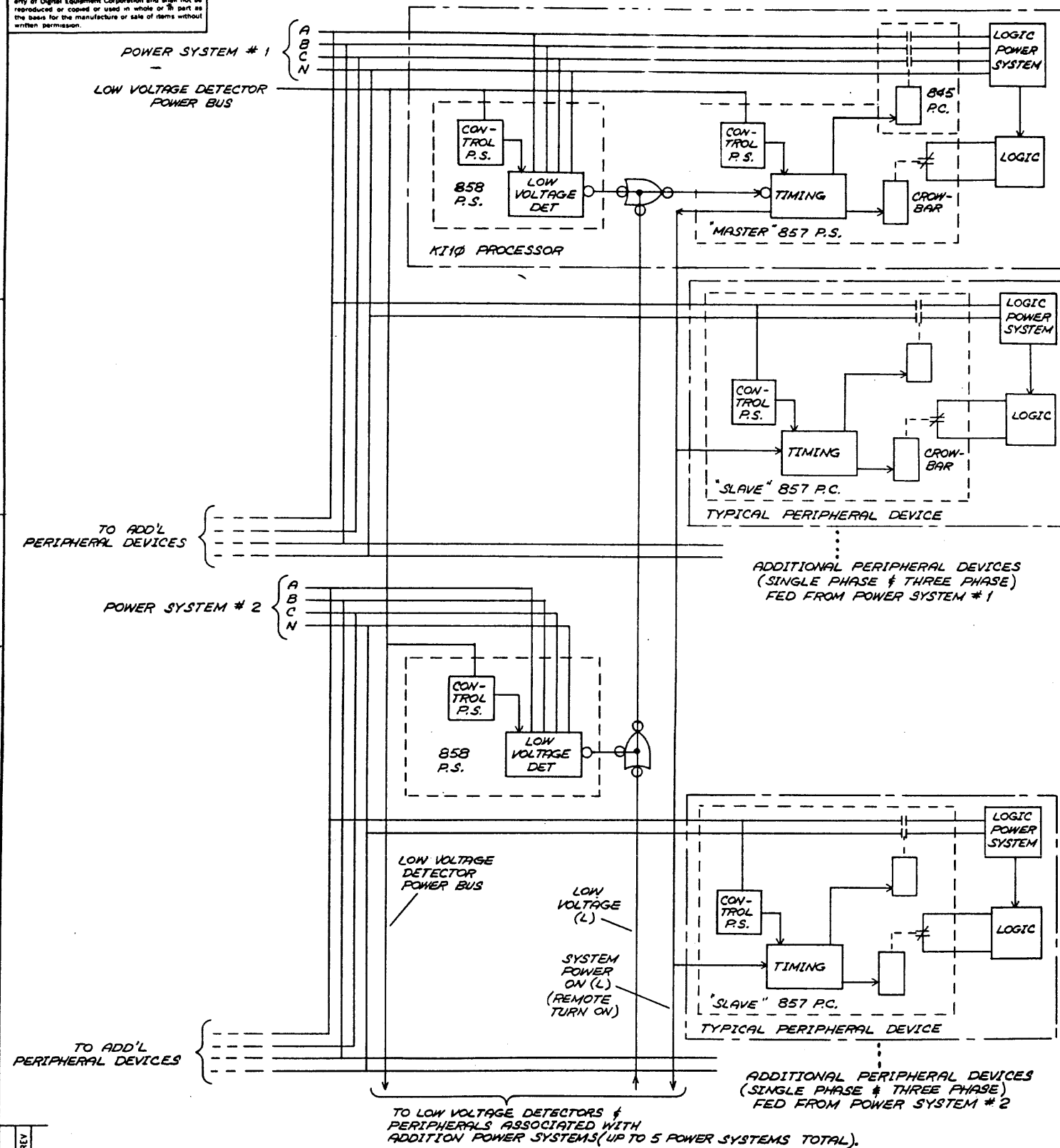
USED ON OPTION/MODEL		DRN.	DATE	TITLE	
		9-72	4/28/72	857 POWER CONTROL	
		CHK'D	DATE		
		2-72	5/17/72		
		PROJ ENG.	DATE		
		Allan Kent	23 May 72		
		PROD	DATE		
		5-72	23 May 72		
		FIELD SERV.	DATE		
		5-72	5/30/72		
SHEET	OF	3	DIST	G	

SIZE	CODE	NUMBER	RFV
B	DD	857-0	Hi



TITLE	SHEET 2 OF 3	SIZE CODE	NUMBER	REV
857 POWER CONTROL	B	DD	857 - 0	1

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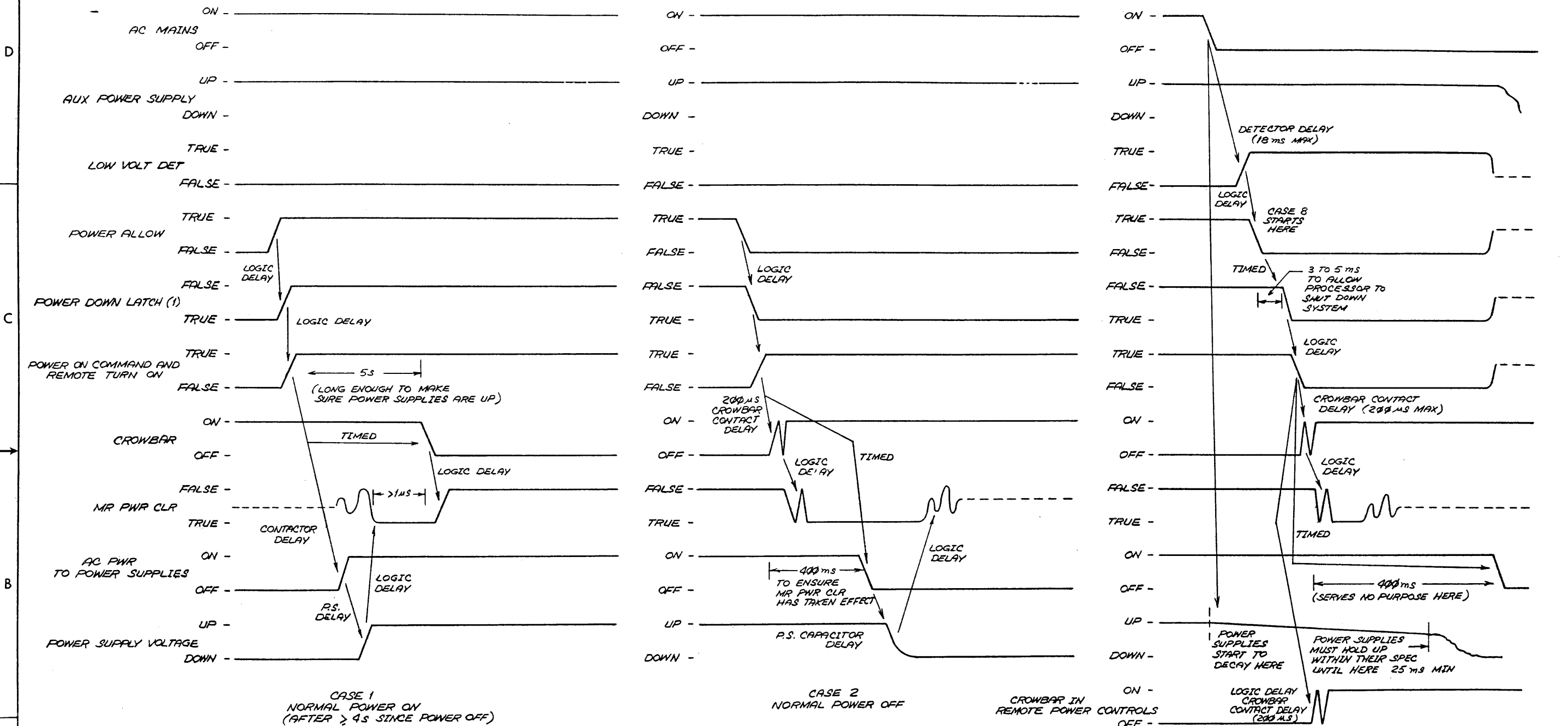
NOTES:

1. THE LOGIC POWER SUPPLY SYSTEM MUST BE UP AND ALL RESULTANT LOGIC TRANSIENTS WHICH AFFECT CRITICAL OPERATIONS MUST HAVE DIED OUT IN 3 SEC MAX (BEFORE CROWBAR RELEASE) AFTER AC POWER IS APPLIED (AT LOW OR HIGH LINE WHICHEVER IS WORSE ; AND WITH MINIMUM OR MAXIMUM LOAD WHICHEVER IS WORSE).
2. THE LOGIC POWER SUPPLY SYSTEM MUST BE DOWN (SUCH THAT CRITICAL CIRCUITS CANNOT AFFECT BUSES, ETC.) WITHIN 7 SEC MAX OF REMOVAL OF AC POWER AS A GLITCH IN CROWBAR MAY OCCUR AT THIS TIME DUE TO THE 857 POWER SUPPLY GOING OUT OF SPEC.
3. WHEN MULTIPLE 858'S ARE USED FOR MULTIPLE (>3) PHASE MONITORING, THE AC LINE SUPPLY (FOR CONTROL POWER) OF ALL 858'S AND THE RELATED 857 MUST BE THE SAME PHASE OF ONE OF THE POWER MAINS SYSTEMS (I.E. ALL 858'S & 857 ARE WIRED IN PARALLEL). IF AN 858 MUST MONITOR A DIFFERENT VOLTAGE THAN THAT OF THE CONTROL POWER AC BUS, IT MUST BE MODIFIED BY REMOVING THE CONTROL POWER AC BUS FROM S2 DECK 4 COMMON & PERMANENTLY WIRING IT TO THE APPROPRIATE TAP OF T4.
4. (WHEN MULTIPLE 858'S ARE USED) IN MULTIPROCESSOR SYSTEMS (WHERE A MASTER CONTROL PANEL IS USED), AN ADDITIONAL 857 IS REQUIRED IN THE MASTER CONTROL PANEL. THIS 857 RECEIVES THE OUTPUT OF ALL 858 LOW VOLTAGE DETECTORS.
5. THE POWER CONTROL WHICH GENERATES SYSTEM POWER ON (REMOTE TURN ON) MUST HAVE SAME CONTROL POWER SUPPLY AC MAINS BUS AS LOW VOLTAGE DETECTORS. FURTHER WHEN THIS BUS FAILS, THE 857 POWER MUST GO DOWN (I.E. THE W519 103 DELAY MUST BE TRIGGERED NOT LATER THAN 1.5s MAX AFTER THE EARLIEST 858 POWER SUPPLY GOES DOWN. (WHEN THE 858 POWER SUPPLY GOES DOWN, LOW VOLTAGE GOES FALSE.) THE ALTERNATIVE IS TO FIX LOW VOLTAGE SIGNAL SO THAT POWER SUPPLY DOWN APPEARS AS LOW VOLTAGE TRUE.

FIRST USED ON OPTION/MODEL KI10		QTY.	DESCRIPTION	PART NO.	ITEM NO.
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES. TOLERANCES		DRN. <i>1</i>	DATE <i>4/10/72</i>	digital EQUIPMENT CORPORATION NATURAL MASSACHUSETTS	
		CHK'D <i>Alan Kent</i>	DATE <i>23 May 72</i>		
DECIMALS	ANGLES	ENG. <i>Alan Kent</i>	DATE <i>23 May 72</i>	TITLE SYSTEM DIAGRAM & NOTES	
.XXX = .005 .X = .02 .X = .1	±0° 30'	PROJ. ENG. <i>Alan Kent</i>	DATE <i>23 May 72</i>		
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY ☒		PROD. <i>Alan Kent</i>	DATE <i>23 May 72</i>		
MATERIAL		NEXT HIGHER ASSY.		SIZE CODE NUMBER REV.	
		B-DD-857-0			
FINISH		SCALE <i>1/2</i>	DAR 858-0-SDN		
		SHEET <i>1</i> OF <i>1</i>			
		DIST.			

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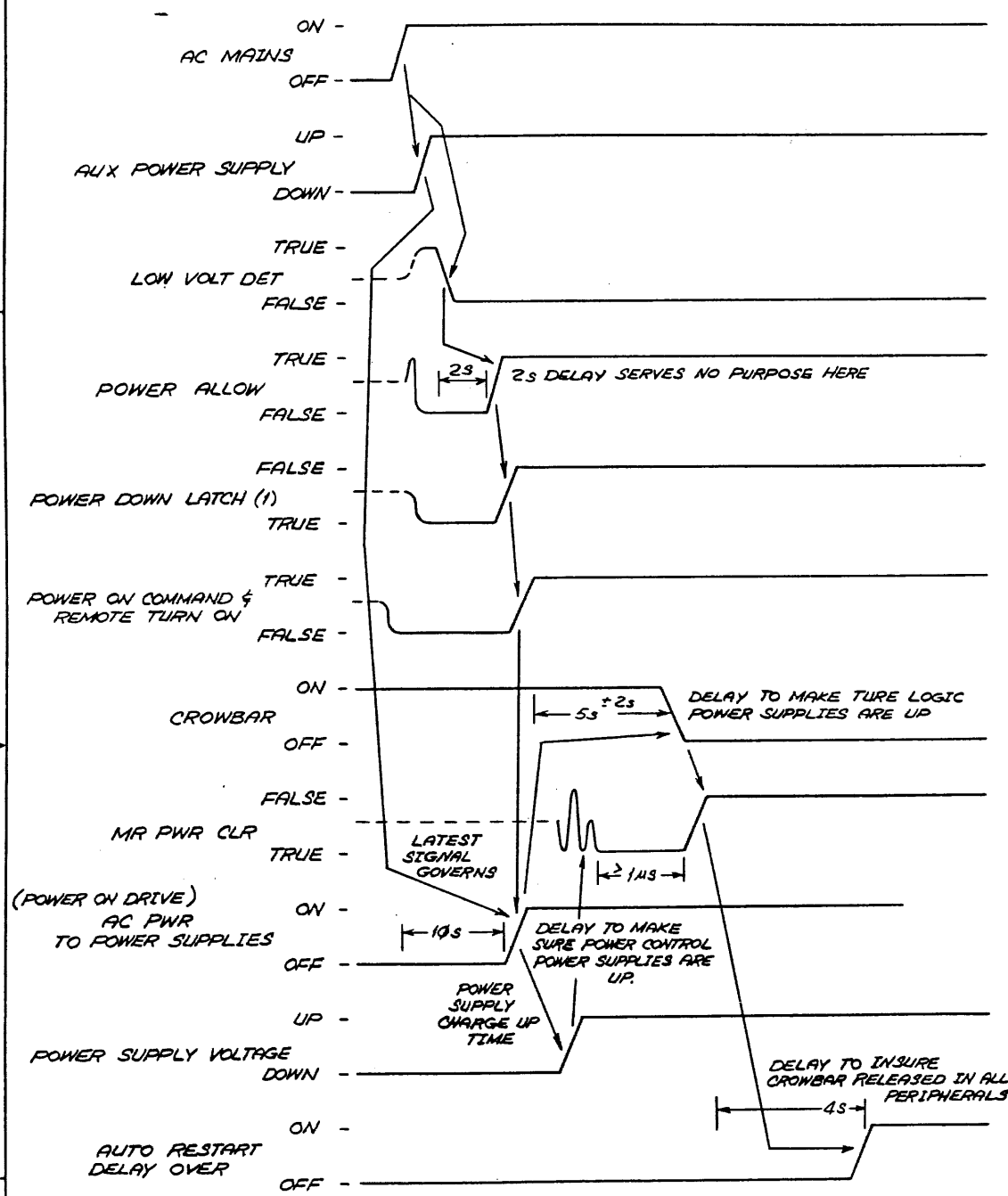
858-0-FL1



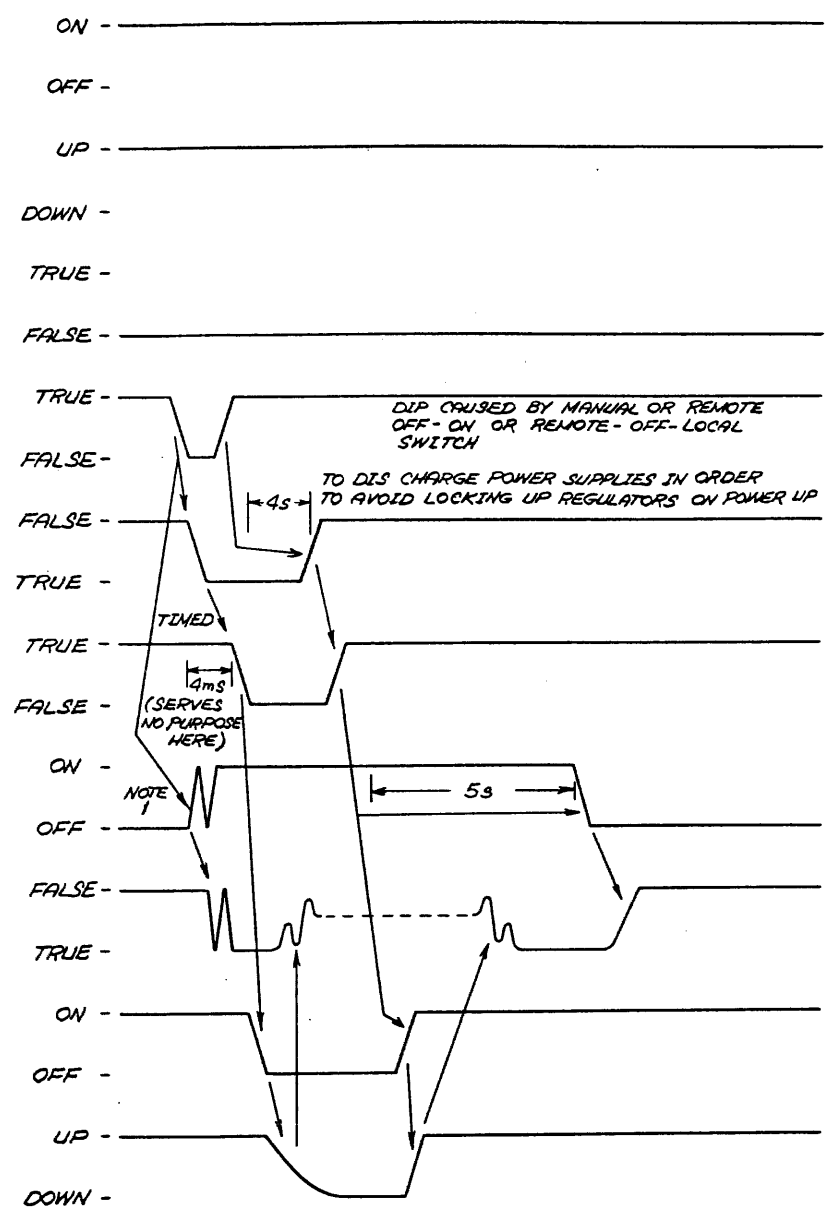
REV	CHG	NO
1		

FIRST USED ON OPTION/MODEL KI10		QTY.	DESCRIPTION	PART NO.	ITEM NO.
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES. TOLERANCES		PARTS LIST			
DECIMALS	ANGLES	DRN	DATE	digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS	
.XXX = .005	±0° 30'	CHK'D	DATE	TITLE 857/858 POWER CONTROL FLOW 1	
.XX = .02		ENG	DATE	SIZE CODE D	
X = .1		PROJ. ENG.	DATE	NUMBER 858-0-FL1	
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY		PROD.	DATE	REV	
MATERIAL		NEXT HIGHER ASSY.		DIST.	
FINISH		SCALE		SHEET	
		SHEET 1 OF 1			

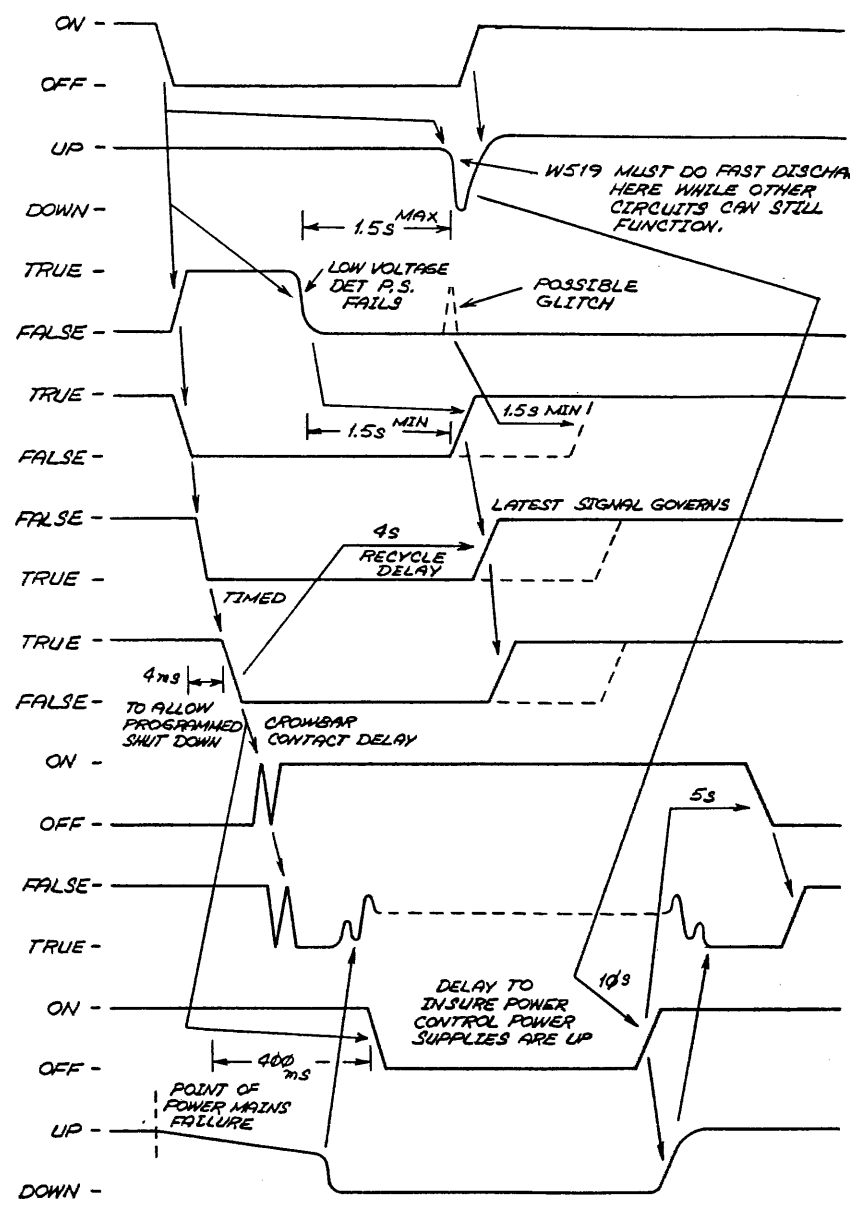
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CASE 4
SOLID POWER RETURN
(AFTER > 30s FAILURE)



CASE 5
SHORT ON-OFF-ON POWER SW CYCLE
(ANTI GB30 LATCH-UP)
NOTE 1 ONLY CROWBAR CONTACT DELAY HERE SO THAT
REMOTE TURN-ON GOING FALSE (FROM PROCESSOR)
WILL CAUSE IMMEDIATE CROWBAR IN PERIPHERALS.



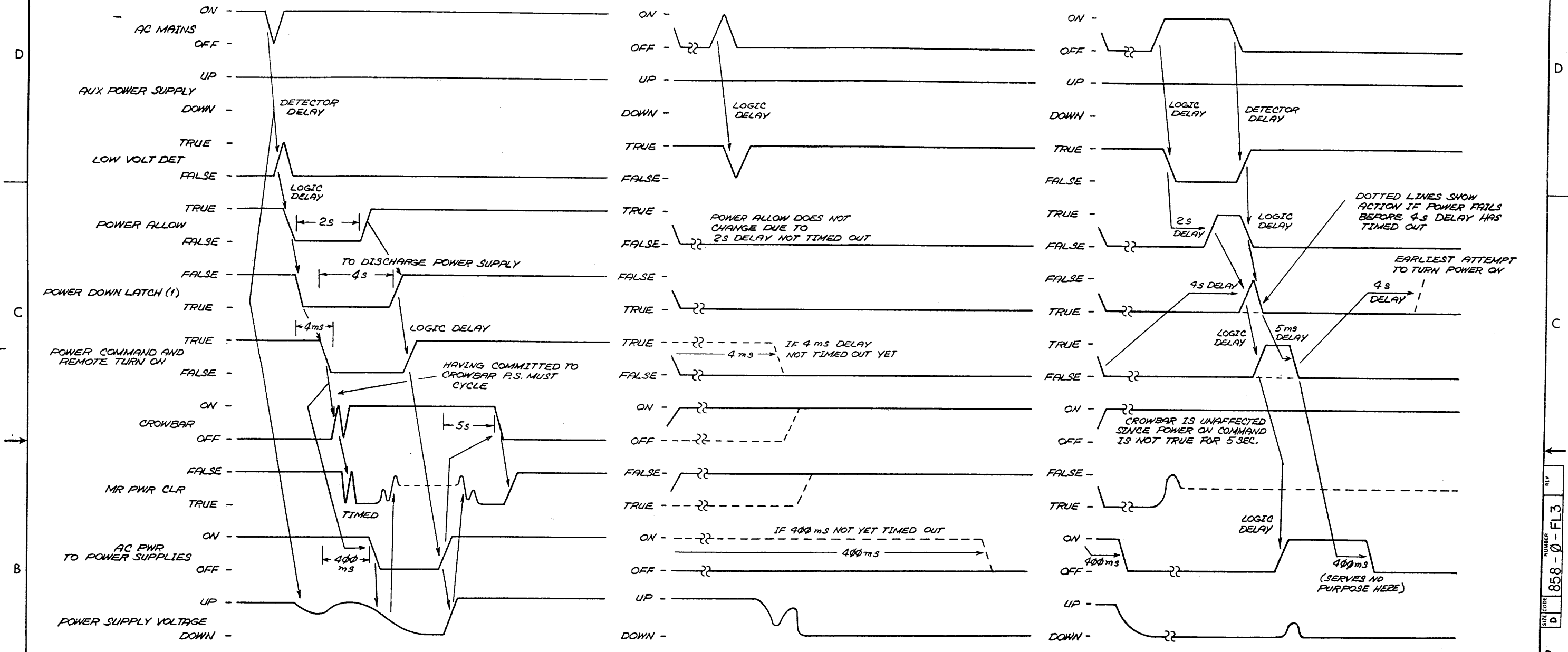
CASE 6
LONG POWER DIP
(10s WS19 DELAY TRIGGERED)

REV	NO	DATE
1	1	12/10/72
2	1	12/10/72
3	1	12/10/72
4	1	12/10/72
5	1	12/10/72
6	1	12/10/72
7	1	12/10/72
8	1	12/10/72

FIRST USED ON OPTION/MODEL		QTY.	DESCRIPTION	PART NO.	ITEM NO.
KI10					
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES. TOLERANCES		PARTS LIST			
DECIMALS	ANGLES	DATE	TITLE		
.XXX = .005	20° 30'	12/10/72	857/ 858		
.XX = .02		12/10/72	POWER CONTROL		
.X = .1		12/10/72	FLOW #2		
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY		DATE	REV.		
		12/10/72			
MATERIAL		NEXT HIGHER ASSY.	SIZE CODE		
			NUMBER		
FINISH		B-DD-857-0	D/FD 858-0-FL2		
		SCALE	DIST.		
		SHEET 1 OF 1			

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273-0-858 2



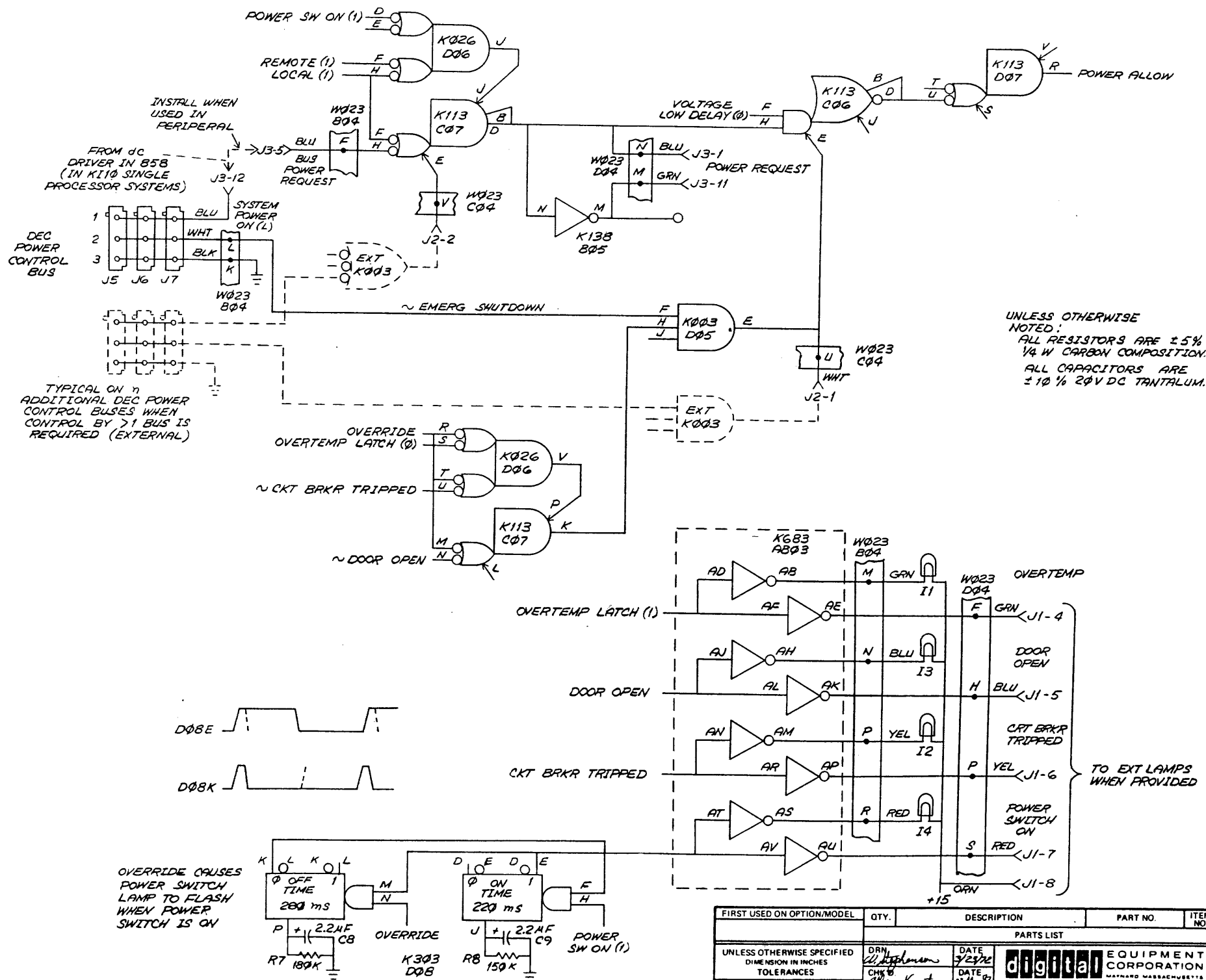
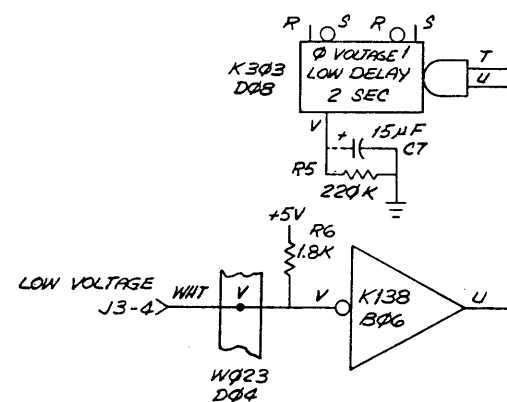
CASE 7
SHORT POWER DIP (PWR FAIL - LOW VOLT
(DETECTED) ALARM V HI TEMP V
(10s W519 DELAY NOT INTERLOCK)
TRIGGERED)

CASE 8
SHORT PULSE IN POWER
(OTHERWISE DEAD)
PULSE $\leq 2s$

CASE 9
LONGER PULSE IN PWR
PULSE $> 2s$; BUT P.S. RECYCLE
DELAY NOT OVER
(ASSUMES AUX PWR SUPPLY
HOLDS UP LONGER THAN
P.S. RECYCLE DELAY)

FIRST USED ON OPTION/MODEL		QTY.	DESCRIPTION	PART NO.	ITEM NO.
KI10					
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES. TOLERANCES		PARTS LIST			
DECIMALS	ANGLES	TITLE			
.XXX - .005	$\pm 0^{\circ} 30'$	857/858			
.XX - .02		POWER CONTROL			
.X - 1		FLOW # 3			
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY		SIZE CODE			
MATERIAL		B-DD-857-0			
FINISH		SCALE			
		SHEET OF			
		DIST.			

REV
858-0-FL3



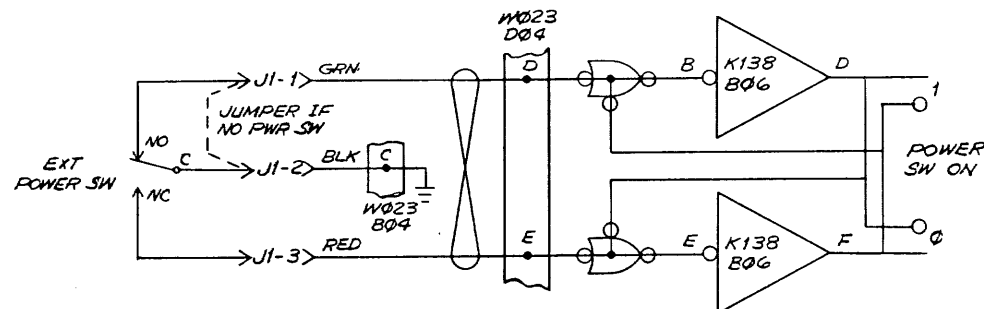
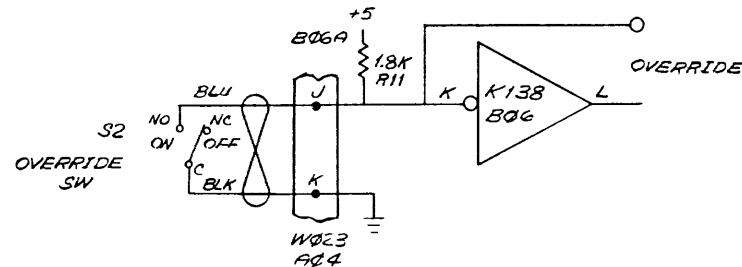
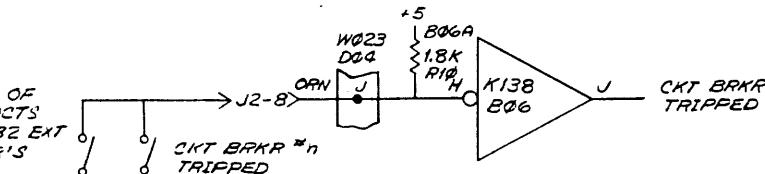
OVERRIDE CAUSES
 POWER SWITCH
 LAMP TO FLASH
 WHEN POWER
 SWITCH IS ON

NOTE
ALL SIGNAL NAMES ON THIS SHEET CONNECTED TO LOW ASSERTION DESIGNATION CIRCLES "O" ARE AS IF SUFFIXED WITH "L". ALL SIGNAL NAMES ON THIS SHEET NOT CONNECTED TO LOW ASSERTION DESIGNATION CIRCLES ARE AS IF SUFFIXED WITH "H".

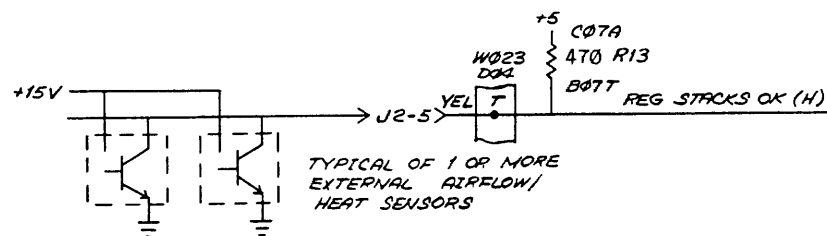
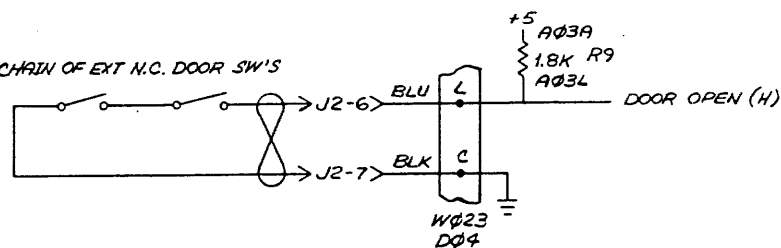
FIRST USED ON OPTION/MODEL	QTY.	DESCRIPTION	PART NO.	ITEM NO.
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES TOLERANCES	DRN <i>W. Thompson</i>	DATE <i>3/23/70</i>	 DIGITAL EQUIPMENT CORPORATION MAYNARD MASSACHUSETTS	
	CHK'd <i>Allen Kent</i>	DATE <i>31 May 70</i>		
	ENG <i>Allen Kent</i>	DATE <i>29 May 70</i>		
	PROJ. ENG. <i>Allen Kent</i>	DATE <i>31 May 70</i>		
DIMINALS	ANGLES	TITLE		
.XXX + .005 .XX + .02 .X = .1	10° 30'	857 POWER CONTROL (REMOTE CONTROL)		
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY ✓	PROD. <i>W. Thompson</i>	DATE <i>8/21/70</i>		
MATERIAL	NEXT HIGHER ASSY.		SIZE CODE	NUMBER
	<i>B-DD-857-Ø</i>		D C S	857-Ø-RC
FINISH	SCALE	REV.		
	<i>~</i>			
	SHEET			
	<i>1 of 1</i>			
	DIST.			

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TYPICAL OF
AUX. CONTACTS
ON UP TO 32 EXT
CKT BRKR'S

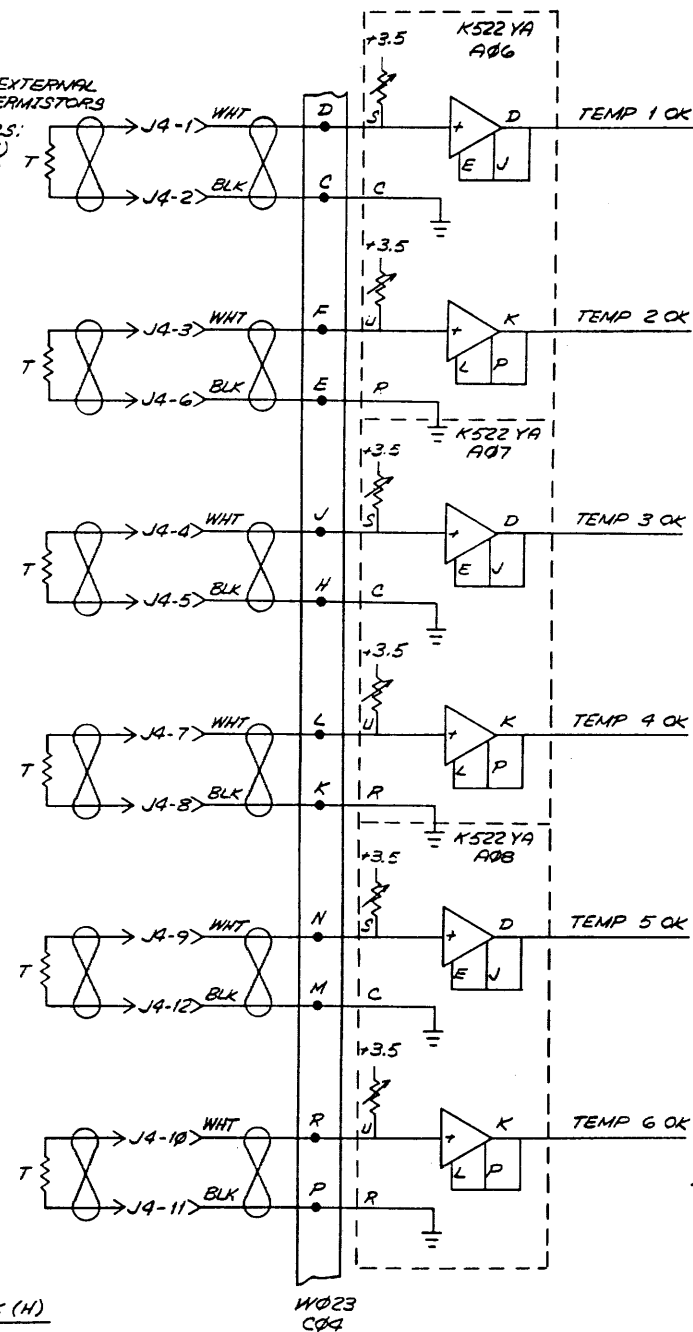


SERIES CHAIN OF EXT N.C. DOOR SW'S



TYPICAL OF 1 OR MORE
EXTERNAL AIRFLOW/
HEAT SENSORS

EXTERNAL
THERMISTORS
CHARACTERISTICS:
1K Ω @ 25°C (77°F)
360 Ω @ 50°C (122°F)



ARROW IS DIRECTION
TO DECREASE
TRIP POINT
TEMPERATURE

ADJUST K522 YA SO
THAT 360 Ω RESISTOR
CAUSES LOW OUTPUT
(OVER TEMP LIGHT ON);
390 Ω RESISTOR
CAUSES HIGH OUTPUT
(OVER TEMP LIGHT OFF).

TO OVER TEMP
LATCH

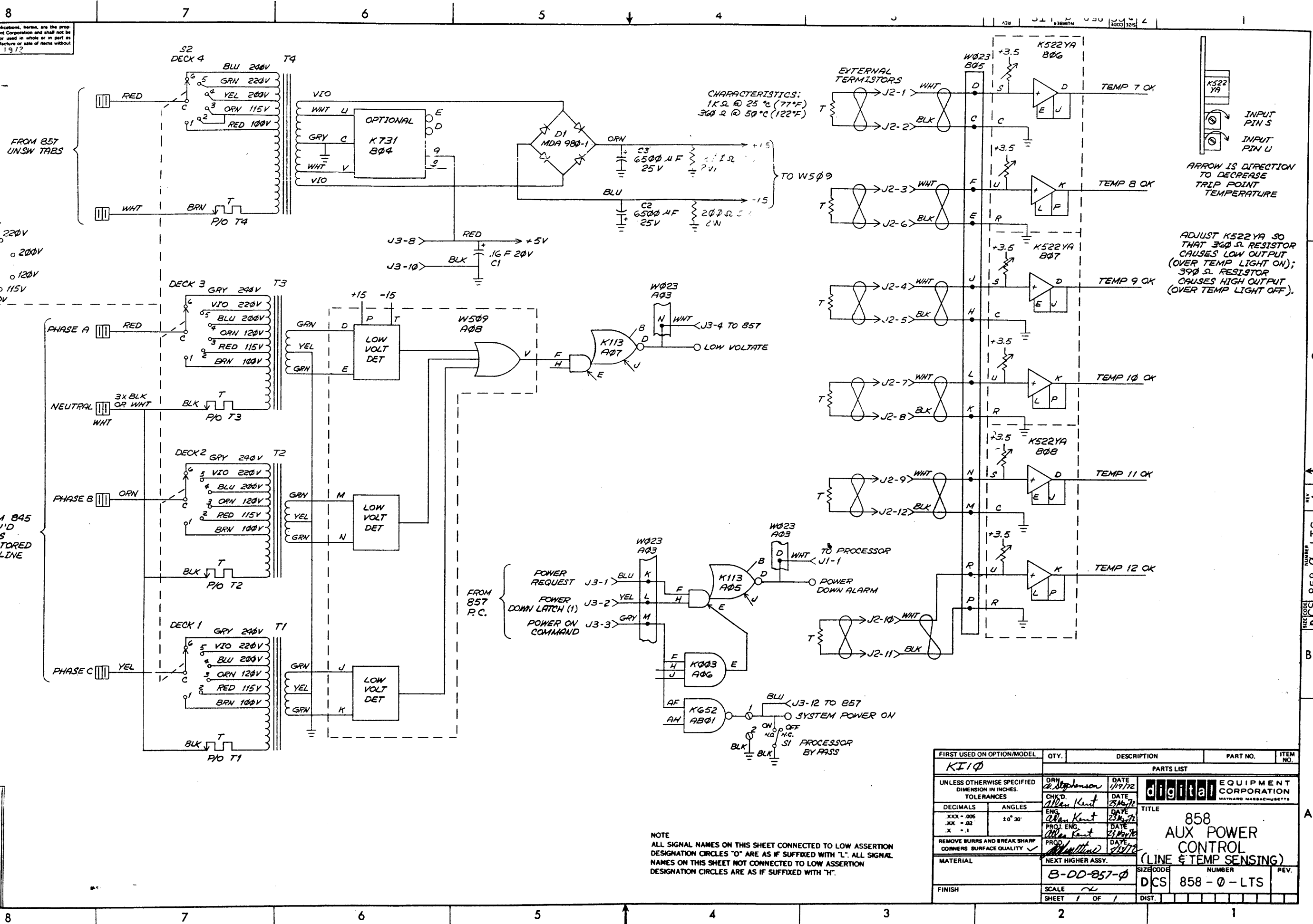
NOTE
ALL SIGNAL NAMES ON THIS SHEET CONNECTED TO LOW ASSERTION
DESIGNATION CIRCLES "O" ARE AS IF SUFFIXED WITH "L". ALL SIGNAL
NAMES ON THIS SHEET NOT CONNECTED TO LOW ASSERTION
DESIGNATION CIRCLES ARE AS IF SUFFIXED WITH "H".

FIRST USED ON OPTION/MODEL	QTY.	DESCRIPTION	PART NO.	ITEM NO.
PARTS LIST				
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES TOLERANCES	DRN <i>W. Stephenson</i>	DATE 3/23/72	digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS	
DECIMALS	CHK'D <i>Allen Kent</i>	DATE 3/24/72		
ANGLES	ENG <i>Allen Kent</i>	DATE 3/24/72		
.XXX = .005 .XX = .02 .X = .1	PROJ. ENG. <i>Allen Kent</i>	DATE 3/24/72		
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY	PROD. <i>Mike Tully</i>	DATE 3/24/72	TITLE 857 POWER CONTROL (TEMP SENSORS)	
MATERIAL	NEXT HIGHER ASSY.	SIZE CODE	NUMBER	REV.
FINISH	B-DD-857-0	DCS	857-0-TMP	A
SCALE	SHEET 1 OF 1	DIST.		

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REV	CHG	NO	DATE
1	1	1	1/19/72
2	2	1	2/24/72
3	3	1	2/24/72
4	4	1	2/24/72
5	5	1	2/24/72
6	6	1	2/24/72
7	7	1	2/24/72
8	8	1	2/24/72
9	9	1	2/24/72
10	10	1	2/24/72

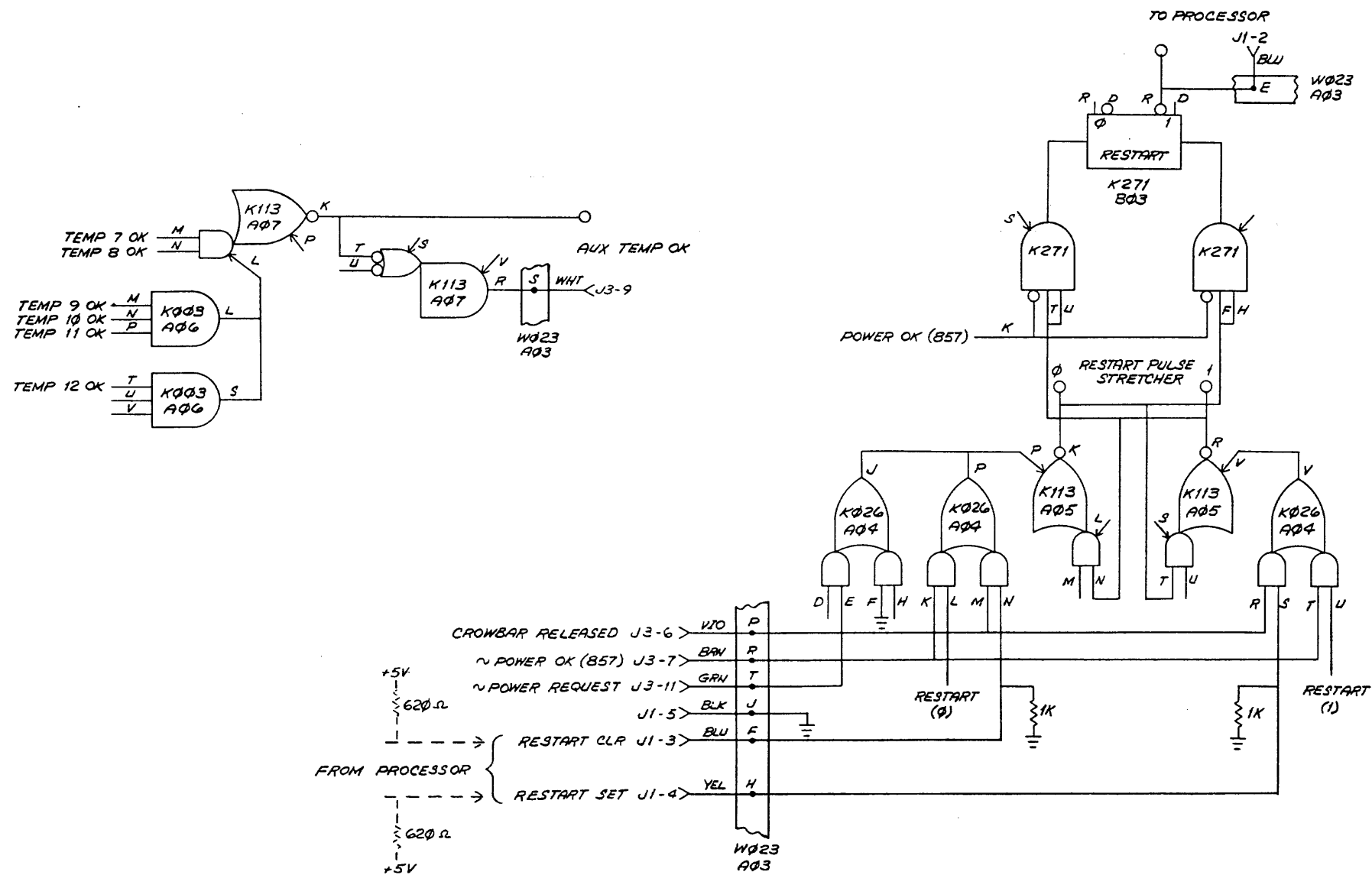
DEC FORM NO. 102-B



FIRST USED ON OPTION/MODEL	QTY.	DESCRIPTION	PART NO.	ITEM NO.
K110				
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES. TOLERANCES	DRN 1/19/72	DATE	digital EQUIPMENT CORPORATION MAYNARD MASSACHUSETTS	
DECIMALS	CHG.D. 2/24/72	DATE	TITLE	
ANGLES	ENG. 2/24/72	DATE	858 AUX POWER CONTROL (LINE & TEMP SENSING)	
XXX - .005	PROJ. ENG. 2/24/72	DATE		
.XX - .02	PROD. 2/24/72	DATE		
.X - .1				
REMOVE BURRS AND BREAK SHARP CORNERS. SURFACE QUALITY				
MATERIAL	NEXT HIGHER ASSY.			
FINISH	B-DD-857-0	SCALE	DCS 858-0-LTS	REV.
	SHEET 1 OF 1	DIST.		

REV. A
 NUMBER 858-0-LTS
 SIZE CODE DCS

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UNLESS OTHERWISE NOTED:
ALL RESISTORS ARE $\pm 5\%$
1/4 W CARBON COMPOSITION

FIRST USED ON OPTION/MODEL		QTY.	DESCRIPTION	PART NO.	ITEM NO.
K110					
PARTS LIST					
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES. TOLERANCES		DRN. <i>W. Thompson</i>	DATE <i>1/12/72</i>	digital EQUIPMENT CORPORATION NATURAL MASSACHUSETTS	
DECIMALS		CHKD. <i>Allen Kent</i>	DATE <i>2/14/72</i>		
ANGLES		ENG. <i>Allen Kent</i>	DATE <i>2/14/72</i>		
.XXX = .005 .XX = .02 .X = .1		PROJ. ENG. <i>Allen Kent</i>	DATE <i>2/14/72</i>		
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY		PRD. <i>Allen Kent</i>	DATE <i>2/14/72</i>		
MATERIAL		NEXT HIGHER ASSY.		TITLE 858 AUX POWER CONTROL (RESTART)	
FINISH		SCALE <i>1/1</i>		REV.	
		SHEET 1 OF 1		SIZE CODE DCS 858-0-RES	
				NUMBER 858-0-RES	

REVISIONS
CHANGE NO.
REV.
CHK

DEC FORM NO
DRD 102-B

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CABLE TO EXTERNAL INDICATOR & CONTROL PANEL (WHEN USED)

PIN	SIGNAL	INPUT OUTPUT
J1-1	POWER SW N.O.	INPUT
2	POWER -1N COM (GND)	—
3	POWER SW N.C	INPUT
4	OVERTEMP LMP L	OUTPUT
5	DOOR OPEN LMP L	OUTPUT
6	CKT BRKR TRIPPED LMP L	OUTPUT
7	POWER SW ON LMP L	OUTPUT
8	+15V	OUTPUT
9	SPARE	
10	SPARE	
11	SPARE	
12	SPARE	

USE 7411468-1 WHEN NO POWER SWITCH USED

CABLE TO DC WIRING HARNESS

PIN	SIGNAL	INPUT OUTPUT
J2-1	EMERG SHUTDOWN EXP	INPUT
2	BUS POWER REQUEST EXP	INPUT
3	GROUND	—
4	AUX CONTACT IN H	INPUT
5	REG STACKS OK H	INPUT
6	DOOR OPEN H	INPUT
7	DOOR OPEN RET (GND)	—
8	CKT BRKR TRIPPED L	INPUT
9	SPARE	
10	SPARE	
11	SPARE	
12	SPARE	

* THESE PINS ARE USED ONLY TO EXPAND CONTROL FROM MULTIPLE POWER CONTROL BUSES. (SPECIAL SYSTEMS)

CABLE TO B5B (K110) JUMPER PLUG (PERIPHERALS)

PIN	SIGNAL	INPUT OUTPUT
J3-1	POWER REQUEST H	OUTPUT
2	POWER DOWN LATCH (1) H	OUTPUT
3	POWER ON COMMAND H	OUTPUT
4	LOW VOLTAGE L	INPUT
5	BUS POWER REQUEST L	OUTPUT
6	CROWBAR RELEASED H	OUTPUT
7	POWER OK (B57) H	OUTPUT
8	+5V	OUTPUT
9	N AUX TEMP OK L	INPUT
10	GROUND	—
11	POWER REQUEST L	OUTPUT
12	SYSTEM POWER ON L	I/O

* THESE PINS ARE JUMPED TOGETHER WHEN NO B5B IS USED OR WHEN THE K110 IS NOT THE SYSTEM MASTER CONTROL. (7411468-2)

THERMISTOR CABLE

PIN	SIGNAL
J4-1	THERMISTOR 1
2	1 RET
3	2
4	3
5	3 RET
6	2 RET
7	4
8	4 RET
9	5
10	6
11	6 RET
12	THERMISTOR 5 RET
13	CROWBAR +
14	CROWBAR -
15	SPARE

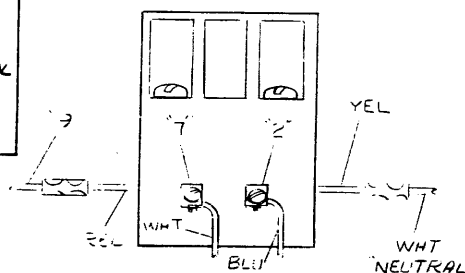
DEC POWER CONTROL BUS

PIN	SIGNAL
J5-1	SYSTEM POWER ON L
2	EMERG SHUTDOWN L
3	GROUND

J5, J6, & J7 ARE WIRED IN PARALLEL

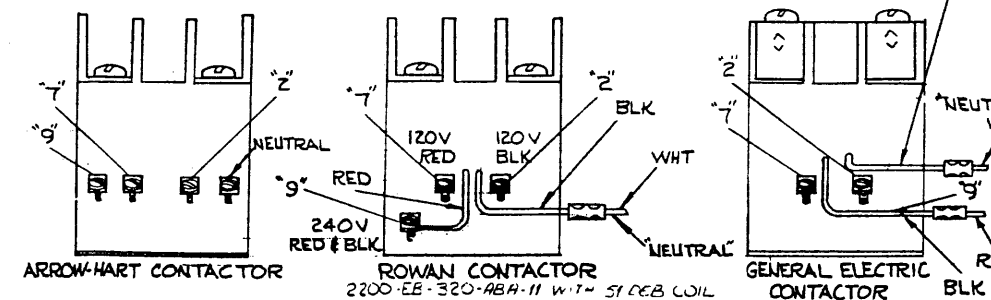
AC CONTACTOR CONTROL (CAUTION HIGH VOLTAGE)

PIN	SIGNAL	K110 USAGE	PERIPHERAL USAGE
J8-1	LINE 1 (AC) THRU CKT BRKR	—	← JUMPERS ENABLE
2	POWER ON TRIAC (2N)	TO B45 "CONSOLE SW"	← B57 CONTROL
3	B57 CONTACTOR COIL	—	← (7411468-3)
4	POWER ON TRIAC (OUT)	TO B45 "CONSOLE SW"	
5	AUX CONTACT TRIAC (2N)	—	
6	AUX CONTACT TRIAC (OUT)	—	



KOWAN CONTACTOR
2160-B-22G-REA-22-X4000

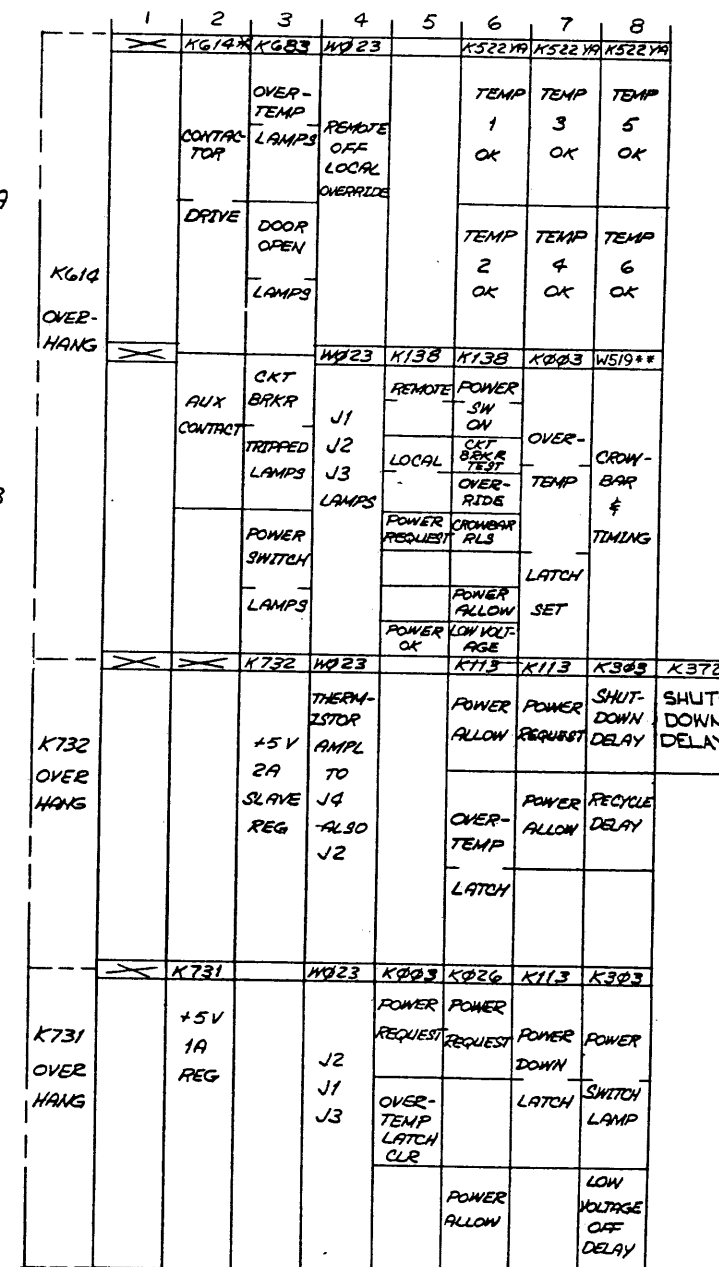
REF DES	DESCRIPTION	PART NO.
S3	SWITCH, TOGGLE C+K 7211	1209593
S2	SWITCH, TOGGLE MICRO SWITCH 6AT1-72	1201168
S1	SWITCH PA1015 REWORKED	7409704-1
R3	RESISTOR 130K Ω , 1W	1305604
D2, D3	THYRECTOR GE 6AS20SPAB4	1100106
D1	RECTIFIER 12A *MDA980-1	1110168
T1	TRANSFORMER 12.6V, 15V	1610443
I1-I4	LAMP, IND 18V T-1-3/4	1210628
I1-I4	IND SOCKET MARCO OAK *59-52380-41-25	1210584
C3, C4, C5	CAPACITOR 2X 0.1 μ F 100VDC	1202153
R1, R2	RESISTOR 10 Ω , 2W, 10%	1300172
C2	CAPACITOR 6500 μ F 25V	1009493
C1	CAPACITOR 160000 μ F 20V	1004874
I5	LAMP 1020-C55, 125V RED LENS INDUS. DEV	1201280
CB1	CIRCUIT BREAKER 30A	1201219
L1, L2	FERRITE TUBE *56-261-30-38	1605147
K1	CONTACTOR 30A 125V 120V 120V 120V	1209406-3
TB1	END SECTION *530 BUCHANAN	1209158-2
TB1	TERM BLOCK *529 35EL BUCHANAN	1209158-1
REF DES	DESCRIPTION	PART NO.



NOTE: *
K614 MUST BE ETCH REV D
AND CIRCUIT SCHEMATIC
REV F OF LATER.
** W519 MUST BE ETCH
REV E OR ABOVE

UP
LEFT HAND MTG
(K110)
UP
RIGHT HAND MTG
(PERIPHERALS)

BUS PINS
A & C
IN EACH
MODULE ROW



FIRST USED ON OPTION/MODEL	QTY.	DESCRIPTION	PART NO.	ITEM NO.
K110				
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES. TOLERANCES				
DECIMALS	ANGLES	DATE 1/13/72		
XXX = .005	± 0° 30'	DATE 1/13/72		
.XX = .02		DATE 1/13/72		
.X = .1		DATE 1/13/72		
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY				
MATERIAL	NEXT HIGHER ASSY.	DATE 1/13/72		
FINISH	SCALE	DATE 1/13/72		
SHEET 1 OF 1				
SIZE CODE		NUMBER		REV.
DMU		857-0-MUAD		

REV	CHG	NO	DATE	BY	CHK
1	A	1	12-13-72	A. KENT	
2	A	2	12-13-72	A. KENT	
3	A	3	12-13-72	A. KENT	
4	A	4	12-13-72	A. KENT	
5	A	5	12-13-72	A. KENT	
6	A	6	12-13-72	A. KENT	
7	A	7	12-13-72	A. KENT	
8	A	8	12-13-72	A. KENT	

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CABLE TO PROCESSOR LOGIC

PIN	SIGNAL	INPUT OUTPUT
J1-1	POWER DOWN ALARM(L)	OUTPUT
2	RESTART (1) L	OUTPUT
3	RESTART CLR H	INPUT
4	RESTART SET H	INPUT
5	GROUND	—
6	SPARE	—

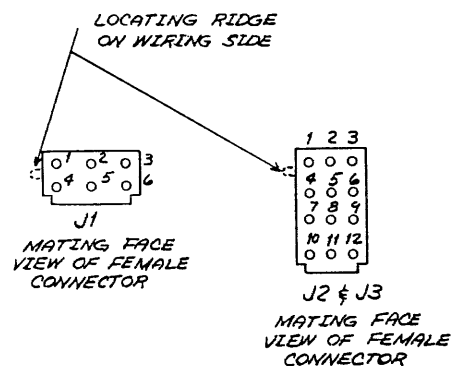
THERMISTOR CABLE

PIN	SIGNAL
J2-1	THERMISTOR 7
2	7 RET
3	8
4	9
5	9 RET
6	8 RET
7	10
8	10 RET
9	11
10	12
11	12 RET
12	THERMISTOR 11 RET

857 858 JUMPER CABLE

PIN	SIGNAL	INPUT OUTPUT
J3-1	POWER REQUEST H	INPUT
2	POWER DOWN LATCH (1) H	INPUT
3	POWER ON COMMAND	INPUT
4	LOW VOLTAGE L	OUTPUT
5	(BUS POWER REQUEST L) (ONLY IN 857)	—
6	CROWBAR RELEASED H	INPUT
7	POWER OK (857) L	INPUT
8	+5V	INPUT
9	AUX TEMP OK H	OUTPUT
10	GROUND	—
11	POWER REQUEST H	INPUT
12	SYSTEM POWER ON L	OUTPUT

* THIS PIN IS NOT USED IN MULTI-PROCESSOR SYSTEMS WITH A MASTER SYSTEM CONTROL PANEL.



	1	2	3	4	5	6	7	8
A	K652		K113	K113	K113	K113	K113	K113
	SYSTEM POWER ON		J1 & J3 CONN- NECTIONS	RESTART P.S. CLR	POWER DOWN ALARM	POWER DOWN ALARM	LOW VOLTAGE	LOW VOLT DET PHASE A
				RESTART P.S. CLR	RESTART P.S. CLR	AUX TEMP	AUX TEMP	PHASE B
				RESTART P.S. SET	RESTART P.S. SET	OK	OK	PHASE C
B		X	K271	K731	K113	K522YA	K522YA	K522YA
	K652 OVER- HANG		K271 OVER- HANG	RESTART +5V REG.	THERM- ISTORS AMPL TO J2	TEMP 7 OK	TEMP 9 OK	TEMP 11 OK
			*	NOTE		TEMP 8 OK	TEMP 10 OK	TEMP 12 OK

BUS PIN ROWS
A & C
IN BOTH MODULE ROWS

NOTE * K271 MUST BE REMOVED
BEFORE INSTALLING K731
FOR USE WITHOUT AN
ASSOCIATED 857 POWER
CONTROL

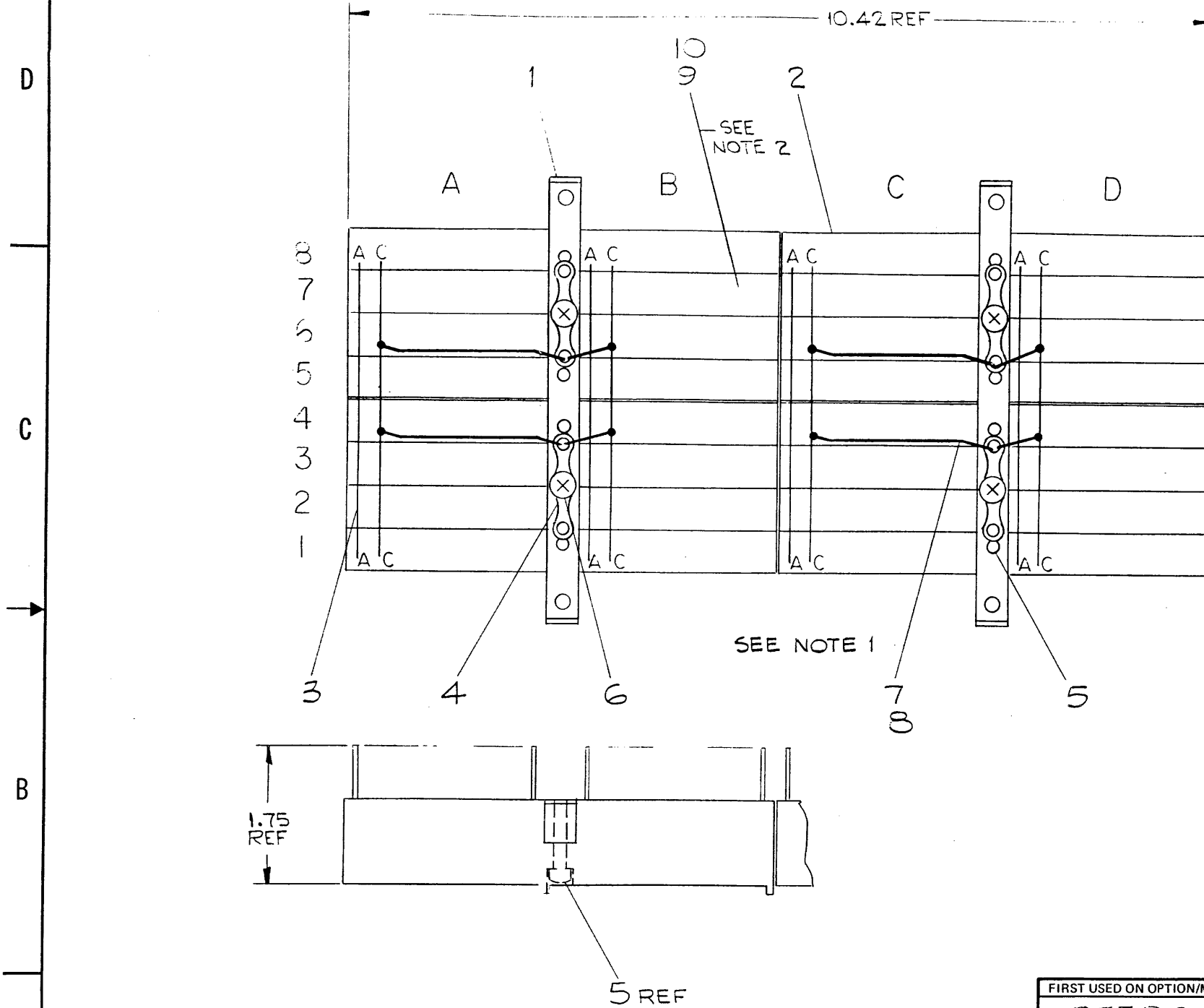
T4	TRANSF 12.6V, 15V	1610443
T1, T2, T3	TRANSF PRECISION 12V	1610618
S2	SWITCH ROTARY # PA 1015 REMOVED	7409704-1
S1	SWITCH TOGGLE 12ATT-12	1201168
D1	RECT. 12A #MDA 980-1	1110168
C2, C3	CAP. 6.500 MF 25V	1009493
C1	CAP. 160.000 MF 20V	1004874
REF DES.	DESCRIPTION	PART NO

FIRST USED ON OPTION/MODEL		PARTS LIST	
K110			
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES. TOLERANCES		digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS	
DECIMALS	ANGLES	TITLE	
.XXX = .005	10' 30'	MODULE UTILIZATION	
.XX = .02			
.X = .1			
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY			
MATERIAL		NEXT HIGHER ASSY.	
FINISH		SCALE	
		SHEET 1 OF 1	
		SIZE CODE NUMBER REV	
		DMU 858-0-MUAB	

REVISIONS
CHANGE NO
CHK

DEC FORM NO
DMD 102-B

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NOTES:
1. CONNECTIONS ON ITEMS 3-7 TO BE LOCATED AT MINIMUM PRACTICAL HEIGHT ABOVE BLOCKS.
2. USE YEL WIRE ITEM #9 FOR NUMERICALLY CONTROLLED WRAPPING (GARDNER DENVER AND NC HAND WRAP) USE BLU WIRE ITEM #10 FOR UNAIDED HANDWRAP (GARDNER DENVER REWORK, AWT REWORK ETC).

R13	1	RES 470 1/4 W 10% CC	7404646	18
	REF	WIRE LIST		
C8,C9	2	CAP, 2.2UF, ±10% 20VDC	7405962	17
C7	1	CAP, 15UF, ±10% 20VDC	7409712	16
C6	1	CAP, 39UF, ±10% 10VDC	7405963	15
R5	1	RES 220K 1/4W 5% CC	7409711	14
R7	1	RES 180K 1/4 10% CC	7409710	13
R4,R8	2	RES 150K, 1/4W 5% CC	7406519	12
R6 R1-R2	5	RES 1.8K 1/4W 5% CC	7409709	11
	A/R	#24 AWG SOLID KYNAR INS BLU	9107586-66	10
	A/R	#24 AWG SOLID KYNAR INS YEL	9107586-44	9
	A/R	#22 TUBING WHT	9107265-09	8
	A/R	#22 AWG BUSS WIRE	9107560-01	7
	4	SCR. PH. HD. TAPITE #8-32x3/8 LG	9006418	6
	8	SCR. FIL HD POS. DRIVE #8-32x3/8 LG	9006120	5
	4	JRD LUG SHAKEPROOF 216-08-00	9007597	4
	A/R	CHAIN, VOLTAGE	1202188	3
	4	144 PIN CONN BLOCK #H800W	1202244	2
DESG.	2	CONN MTG BAR	B-MD7409609-0-0	1

REV.	A
CHANGE NO.	857-000-002
CHK	A. KEN
	Allen Kent 8/23/72

FIRST USED ON OPTION/MODEL	QTY.	DESCRIPTION	PART NO.	ITEM NO.
857 P.C.				
PARTS LIST				
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES. TOLERANCES		DRN. DATE 3/14/72	digital EQUIPMENT CORPORATION MAYNARD MASSACHUSETTS	
DECIMALS .XXX = .005 XX = .02 X = .1	ANGLES ±0° 30'	CHK'D. DATE 5/19/72	TITLE	
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY ✓		ENG. DATE 6/1/72	WIRED ASSY	
MATERIAL		PROJ. ENG. DATE 23 May 72	857 POWER CONTROL	
FINISH		PROD. DATE 5/1/72	NEXT HIGHER ASSY.	
		D-UA-857-0-0	SIZE CODE C AD	NUMBER 7008893-0-0
		SCALE 1/1	REV. A	
		SHEET 1 OF 2		

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1272

EXTERNAL COMPONENTS

ITEM NO.	DESCRIPTION	FROM CONNECTION	TO CONNECTION	REMARKS
11	RESISTOR	AØ2A	AØ3L	1.8K±5% 1/4W
11		BØ6A	BØ6H	
11		BØ6A	BØ6K	
11		BØ6V	CØ6A	
11		BØ7U	CØ6A	1.8K±5% 1/4W
18	RESISTOR	BØ7T	CØ7A	470 ±10% 1/4W
12	RESISTOR	CØ7C	CØ8P	150K±5% 1/4W
12	RESISTOR	DØ8C	DØ8J	150K±5% 1/4W
13	RESISTOR	DØ7C	DØ8P	180K±5% 1/4W
14	RESISTOR	DØ7C	DØ8V	220K±5% 1/4W
15	CAPACITOR	CØ7C	CØ8P +	39µF±10% 10V
16	CAPACITOR	DØ6C	DØ8V +	15µF±10% 20V
17	CAPACITOR	DØ6C	DØ8P +	2.2µF±10% 20V
17	CAPACITOR	DØ7C	DØ8J +	2.2µF±10% 20V

NOTE: LAST LETTER SHOWN IN CONN. CHART DESIGNATES PIN LTR ON 144 PIN BLOCK.

ALL RES. & CAP. ARE SUPPLIED WITH INSULATION & TERMINALS.

FIRST USED ON OPTION/MODEL	QTY.	DESCRIPTION	PART NO.	ITEM NO.
857 P.C.				
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES. TOLERANCES				
DECIMALS	ANGLES	PARTS LIST		
.XXX = .005	±0° 30'	DRN. DATE 23 MAR 72		
.XX = .02		CHK'D. DATE 5/19/72		
.X = .1		ENG. DATE 5/19/72		
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY ✓		PROJ. ENG. DATE 23 May 72		
		PROD. DATE 5/23/72		
MATERIAL		NEXT HIGHER ASSY.		
FINISH		D-UA-857-0-0		
		SCALE	SIZE CODE	NUMBER
		SHEET 2 OF 2	CAD	7008893-0-0
		DIST.		REV. A

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B

B

A

A

REVISIONS		
CHK	CHANGE NO.	REV.
874	857-00003	A
E. ALLAIN 8-31-73		
A. KENT		
Allan Kent 13 Feb 74		

DEC FORM NO.
DRB 109

4

3

2

1

59

FIRST USED ON OPTION MODEL		QTY.	DESCRIPTION	PART NO.	ITEM NO.		
KIIØ							
PARTS LIST							
DRN.	W. Hough	DATE	4-28-72	digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS			
CHK'D.	Allan Kent	DATE	26 May 72				
ENG.	Allan Kent	DATE	26 May 72				
PROJ. ENG.	Allan Kent	DATE	26 May 72				
PROD.	Allan Kent	DATE	26 May 72				
NEXT HIGHER ASSEMBLY			TITLE				
B-DD-857-0			WIRE LIST				
			857 PWR CONT.				
SCALE		SIZE	CODE	NUMBER	REV.		
		K	WL	857-Ø-WL	A		
SHEET 1 OF 1		DIST.					

↑

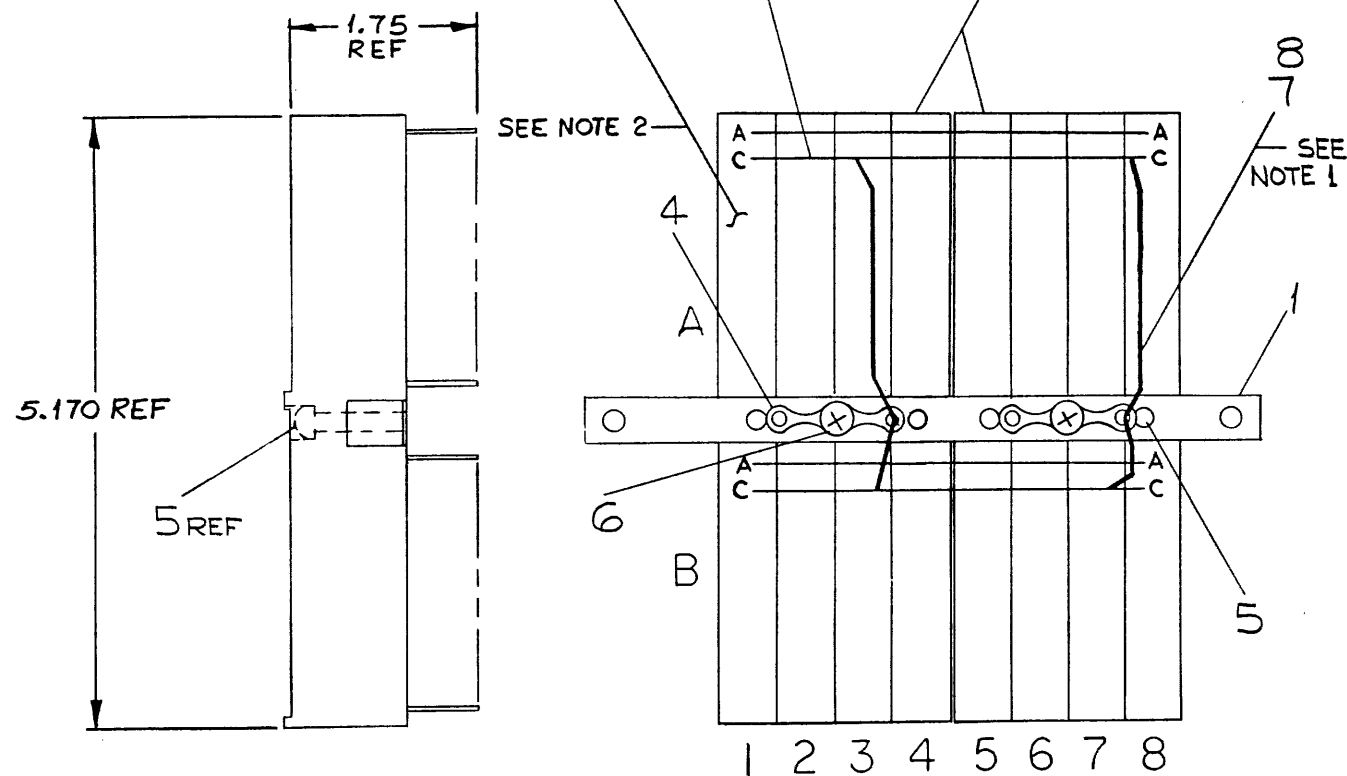
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D

C

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NOTES:

1. CONNECTIONS ON ITEM 3&7 TO BE LOCATED AT MINIMUM PRACTICAL HEIGHT ABOVE BLOCKS.
2. USE YEL WIRE ITEM #9 FOR NUMERICALLY CONTROLLED WRAPPING (GARDNER DENVER AND NC HANDWRAP) USE BLU WIRE ITEM #10 FOR UNAIDED HAND WRAP (GARDNER DENVER REWORK, AWT REWORK ETC.)

EXTERNAL COMPONENTS				
ITEM NO	DESCRIPTION	FROM CONNECTION	TO CONNECTION	REMARKS
11	RESISTOR	AØ4C	AØ4N	WITH INS TERMI POINTS
11	RESISTOR	AØ4S	BØ4C	WITH INS TERMI POINTS
12	RESISTOR	AØ8P	AØ8C	WITH INS TERMI POINTS
12	RESISTOR	AØ8T	BØ8C	WITH INS TERMI POINTS

2	RES 200 2W 5%	7410679	12	REV. A
REF	WIRE LIST			
2	RES 1K 1/4W 5%	7405969	11	REV. A
A/R	#24 AWG SOLID KYNAR INS (BLU)	9107586-66	10	
A/R	#24 AWG SOLID KYNAR INS (YEL)	9107586-44	9	REV. A
A/R	#22 TUBING WHT	9107265-09	8	
A/R	#22 AWG BUS WIRE	9107460-01	7	REV. A
2	SCR, PHL HD TAPTITE #8-32 x 3/8 LG	9006418	6	
4	SCR, FIL HD POSIDRIVE #8-32 x 5/8	9006120	5	REV. A
2	GND LUG SHAKEPROOF 2116-08-00	9007597	4	
A/R	CHAIN VOLTAGE	1202188	3	REV. A
2	144 PIN CONN BLOCK H800-W	1202244	2	
1	CONN MTG BAR	B-MD-74096320-0	1	REV. A

FIRST USED ON OPTION/MODEL 858 P.C.	QTY.	DESCRIPTION	PART NO.	ITEM NO.
PARTS LIST				
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES. TOLERANCES	DRN. W. Hovay 3-27-72	DATE 3-27-72	digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS	
DECIMALS .XXX = .005 .XX = .02 .X = .1	ANGLES ±0° 30'	CHK'D J. Hovay 5/15/72	TITLE WIRED ASSY 858 POWER CONTROL	
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY	ENG R. Hovay 5/22/72	DATE 5/22/72		
MATERIAL H	PROD Allen Kent 5/23/72	DATE 5/23/72		
FINISH H	NEXT HIGHER ASSY. D-UA-858-0-0	SCALE 1/1	SIZE CODE C	NUMBER AD7008895-0-0
	SHEET 1 OF 1	DIST.	REV. A	

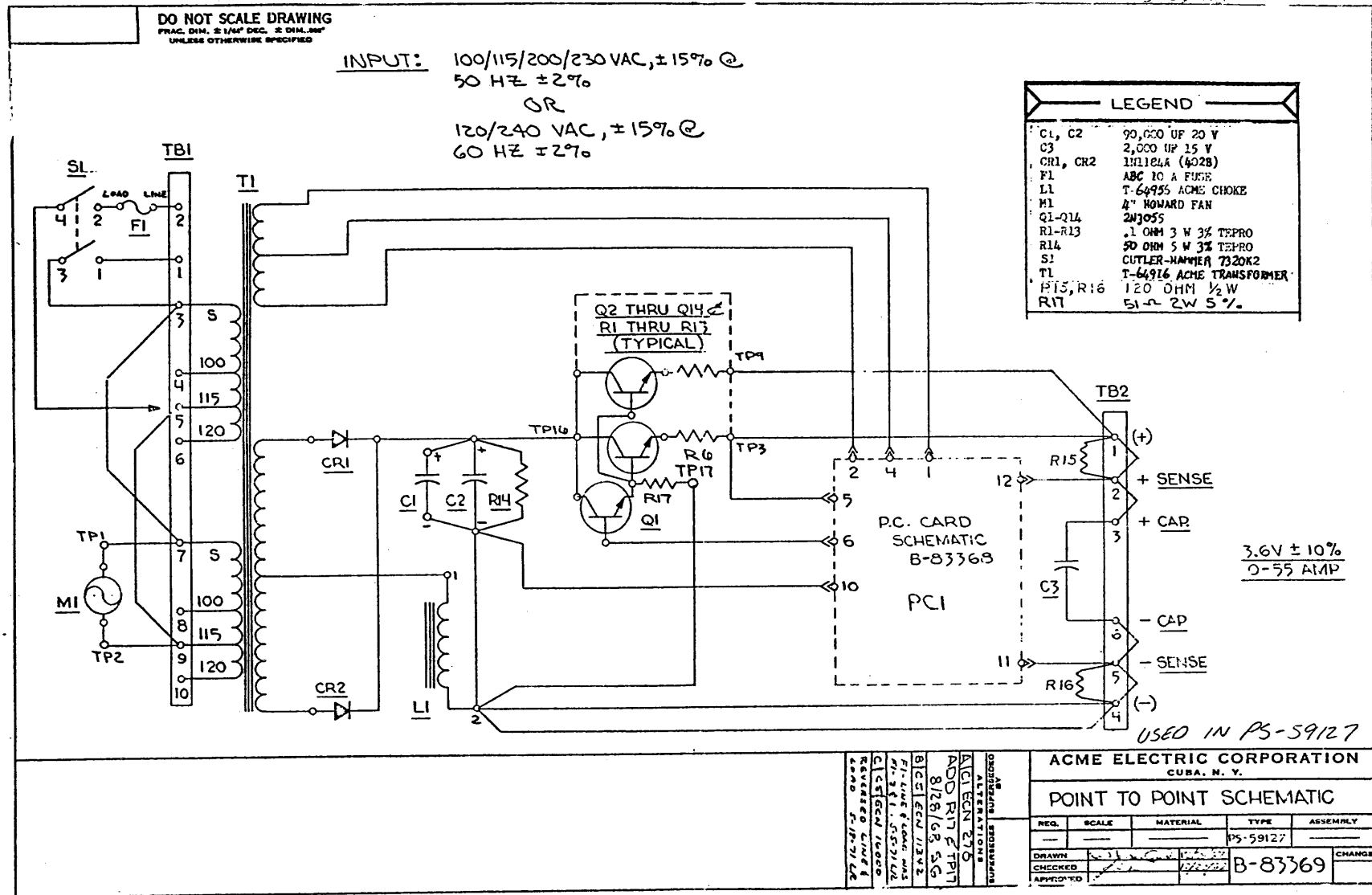
REVISIONS	CHANGE NO.	REV.
CHK	858-00001	A
KENT		
Allen Kent 21 Nov 72		

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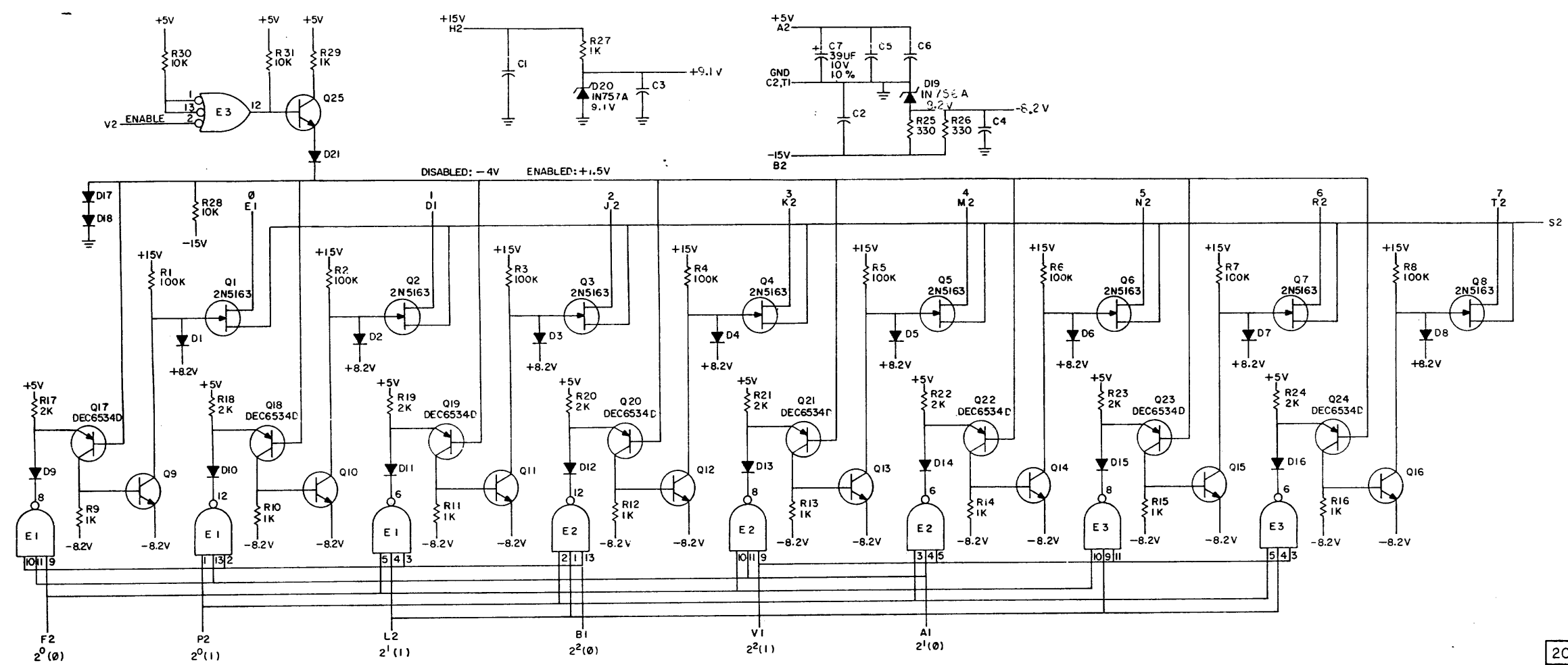
FIRST USED ON OPTION MODEL		QTY.	DESCRIPTION		PART NO.	ITEM NO.
K11Ø						
PARTS LIST						
DRN.	W. Harg	DATE	4-28-72			
CHK'D.	Alan Kent	DATE	26 May 72			
ENG.	Alan Kent	DATE	26 May 72			
PROJ. ENG.	Alan Kent	DATE	26 May 72			
PROD.	W. Harg	DATE	4-28-72			
NEXT HIGHER ASSEMBLY			B-DD-858 - Ø			
SCALE			4			
SHEET			1 OF 1			
TITLE			WIRE LIST 858 AUX POWER CONT.			
SIZE			K WL			
CODE			858 - Ø - WL			
NUMBER			REV.			
DIST.						

REV. NO.	REV.
CHANGE NO.	
CHK	

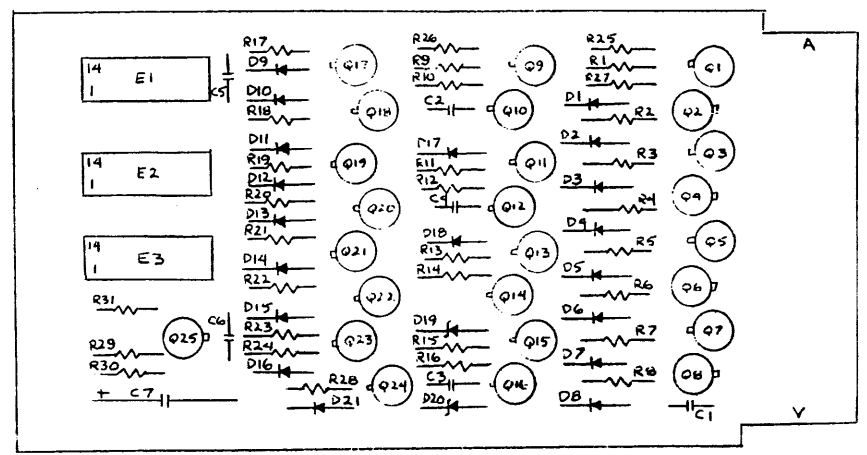
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UNLESS OTHERWISE INDICATED:
RESISTORS ARE 1/4W, 5%
CAPACITORS ARE .01UF, 100V, 20%
DIODES ARE D664
TRANSISTORS ARE DEC3009B
E1, E2, E3 = DEC7410
PIN 7 = GND
PIN 14 = +5V ON EACH IC

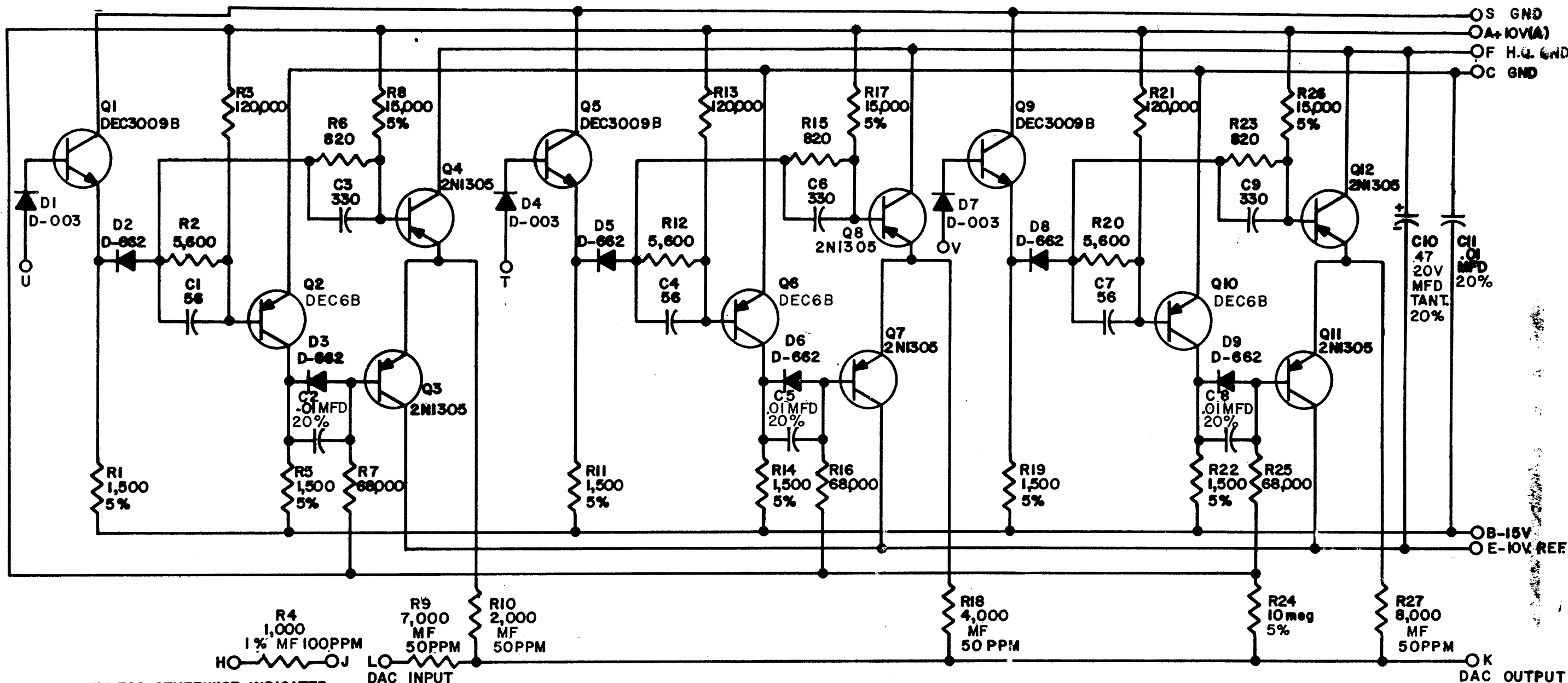


20	11-09990	DIODE IN757A 9.1V 5%	1
19	1302466	RES 100K 1/4W 5%	8
18	9008337-0	HANDLE, FLIP CHIP - AMBER	1
17	9006732	EYELET #GS 4-7	2
16	1905576	I.C. DEC 7410	3
15	1509233	TRANSISTOR 2N5163	8
14	1503409-00	TRANSISTOR DEC 6534D	8
13	1503100	TRANSISTOR DEC 3009B	9
12	1302388	RES. 2K, 1/4W, 5%	8
11	1300479	RES. 10K, 1/4W, 5%	3
10	1300365	RES. 1K, 1/4W, 5%	10
9	1300295	RES. 330, 1/4W, 5%	2
8	1103441	DIODE IN756A	1
7	1100114	DIODE D664	19
6	1001610	CAP. .01UF, 100V, 20% DISC	6
5	1000076	CAP. .39UF, 10V, 10% S. TANT	1
4	9008683	ETCHED CIRCUIT BOARD	1
3	3-11-AI33-0-1	MODULE EXHIBITION	
2	3-AH-AI33-0-5	ASY/DRILLING HOLE PAYOUT	
1	K-CO-AI33-C-4	APPROXIMATE HOLE LOCATION	
NO.	DEC 1971	DESCRIPTION	QTL

REVISIONS	DATE	BY	TRANSISTOR & DIODE CONVERSION CHART	DIGITAL EQUIPMENT CORPORATION MASSACHUSETTS	TITLE ANALOG SWITCH AI33	REV 0
1	1/67	S. CAPEL	DEC 2N5163 EIA IN3606 DEC 6534D IN756A 9.1V DEC 3009B 2N5163			

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REV. K
NUMBER 1-0-109
SIZE CODE CS



UNLESS OTHERWISE INDICATED:
RESISTORS ARE 1/4W; 10%
MF RESISTORS ARE 0.1W; 1/8W
CAPACITORS ARE MMFD, 100V, 5%

NOTE:
WHEN USED AS THE LEAST
SIGNIFICANT BIT, CONNECT J TO L
AND CONNECT H TO H.Q. GND.
PARTS LIST A-PL-A60I-0-0

REVISIONS	CHK	CHG	NO.	REV.
1	DAW	4459	2	D
2	REV	8 REDR.	5606	E
3	REV	5616	5728	F
4	REV	5836	6756	H
5	REV	7004	7004	J
6	REV	00001	00001	K

DRN. H. PORTER	DATE 9-15-64
CHK'D N. PERRYMAN	DATE 9-30-64
ENG. R. SORENSEN	DATE 9-30-64
PROD.	DATE

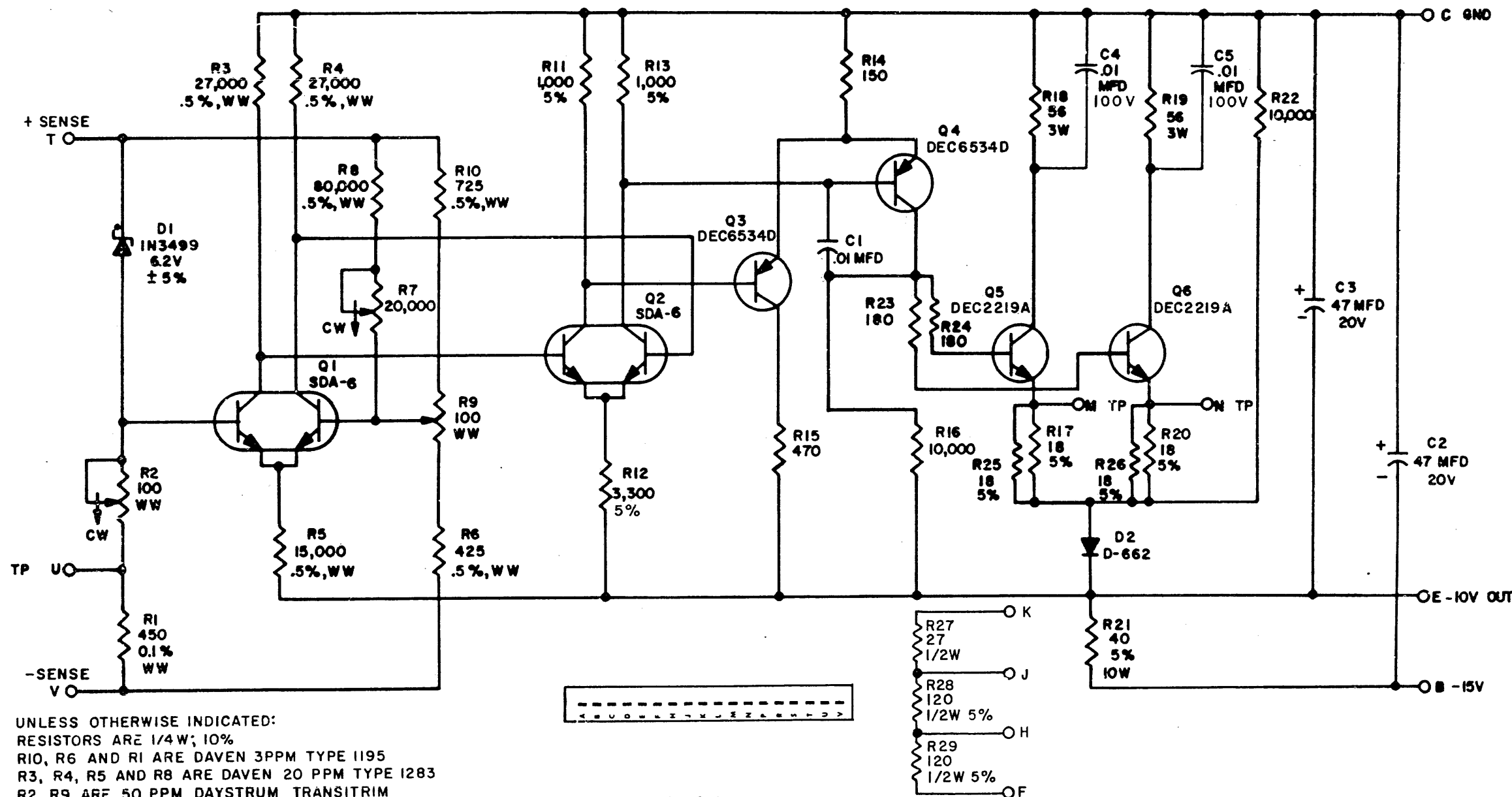
TRANSISTOR & DIODE CONVERSION CHART			
DEC	EIA	DEC	EIA
2N1305	SAME		
DEC6B	NONE		
DEC3009B	2N3009		
D003	IN994		
D662	IN645		

digital
EQUIPMENT
CORPORATION
MAYNARD, MASSACHUSETTS

TITLE 3 BIT DAC A60I			
SIZE B	CODE CS	NUMBER A60I-0-1	REV. K
PRINTED CIRCUIT REV. DE			

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REV. K
NUMBER A704-0-1
CS B
SIZE CODE



UNLESS OTHERWISE INDICATED:
RESISTORS ARE 1/4 W; 10%
R10, R6 AND R1 ARE DAVEN 3PPM TYPE 1195
R3, R4, R5 AND R8 ARE DAVEN 20 PPM TYPE 1283
R2, R9 ARE 50 PPM DAYSTRUM TRANSITRIM
R7 IS A #275P

PARTS LIST IS A-PL-A704-0-1

REV.	CHG.	NO.	REV.
4	4535	4	4535
5	5751	5	5751
6	5849	6	5849
7	5900	7	5900
8	6762	8	6762
9	00001	9	00001

DRN.	A.OUELLETTE	DATE	9-3-64
CHK'D	N.PERRYMAN	DATE	9-4-64
ENG.	R.A.GAGNE	DATE	9-4-64
PROD.		DATE	

TRANSISTOR & DIODE CONVERSION CHART			
DEC	EIA	DEC	EIA
SDA-6	2N2060		
DEC6534D	SAME		
DEC2219A	SAME		
D662	IN645		
IN3499	SAME		

digital
EQUIPMENT
CORPORATION
MAYNARD, MASSACHUSETTS

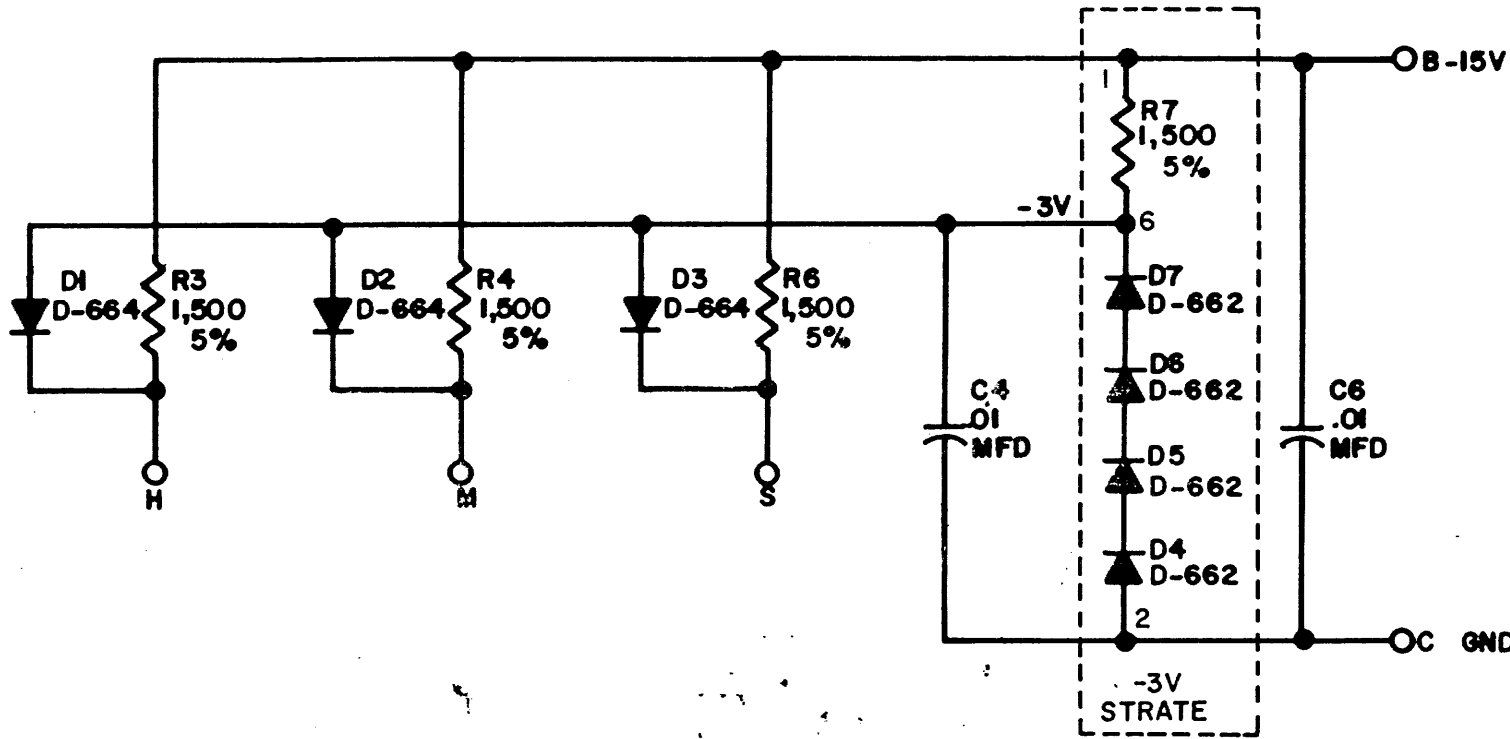
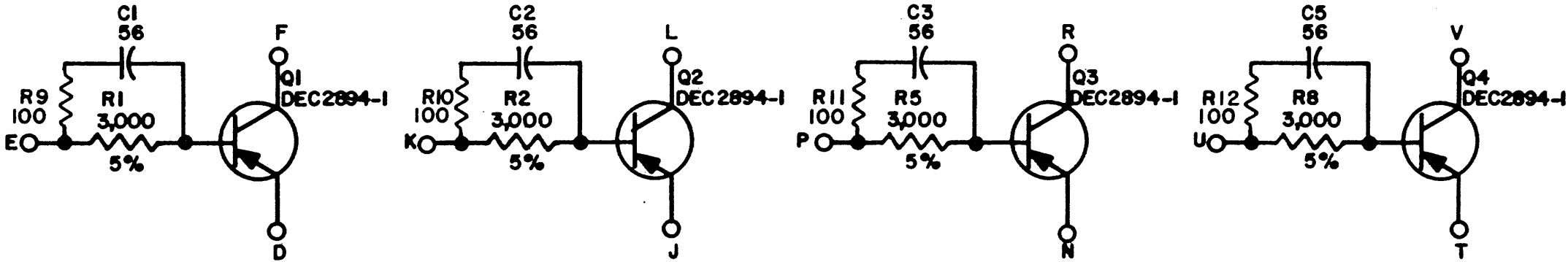
TITLE -10V PRECISION POWER SUPPLY A704			
SIZE	CODE	NUMBER	REV.
B	CS	A704-0-1	K
PRINTED CIRCUIT REV. F			

DEC FORM NO.
DRB 102

PINK

DIST. 324 434 435

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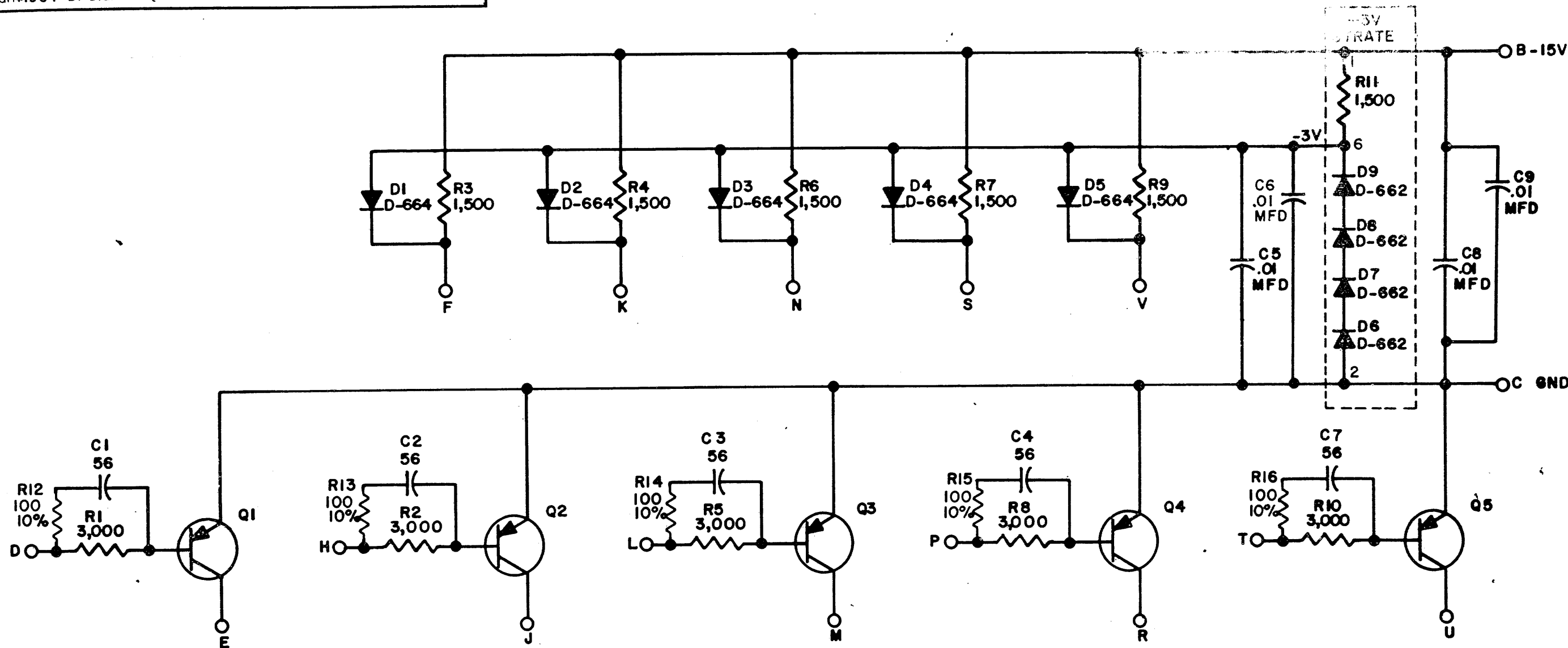


UNLESS OTHERWISE INDICATED:
RESISTORS ARE 1/4W; 10%
CAPACITORS ARE MMFD



REVISIONS	CHK	CHG NO.	REV.	C	DRN. H PORTER	DATE	TRANSISTOR & DIODE CONVERSION CHART				digital	TITLE			
	DAW	5030	I			4-28-64	DEC	EIA	DEC	EIA		INVERTER BIO4			
	REV. & REDR.	5380	C			5-4-64	DEC2894-I	NONE				SIZE	CODE	NUMBER	REV.
	ENG.	B SCUDNEY	5-4-64			D662	IN645	B	CS	BIO4-0-1		C			
PROD.					D664	IN3606			EQUIPMENT CORPORATION				PRINTED CIRCUIT REV.	C	
					MAYNARD, MASSACHUSETTS										

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UNLESS OTHERWISE INDICATED:
RESISTORS ARE 1/4W; 5%
CAPACITORS ARE MMFD
TRANSISTORS ARE DEC 2894-IB



REVISIONS	CHK	CHG NO.	REV.
1	DAW	5269	3
2	REV	5381	E

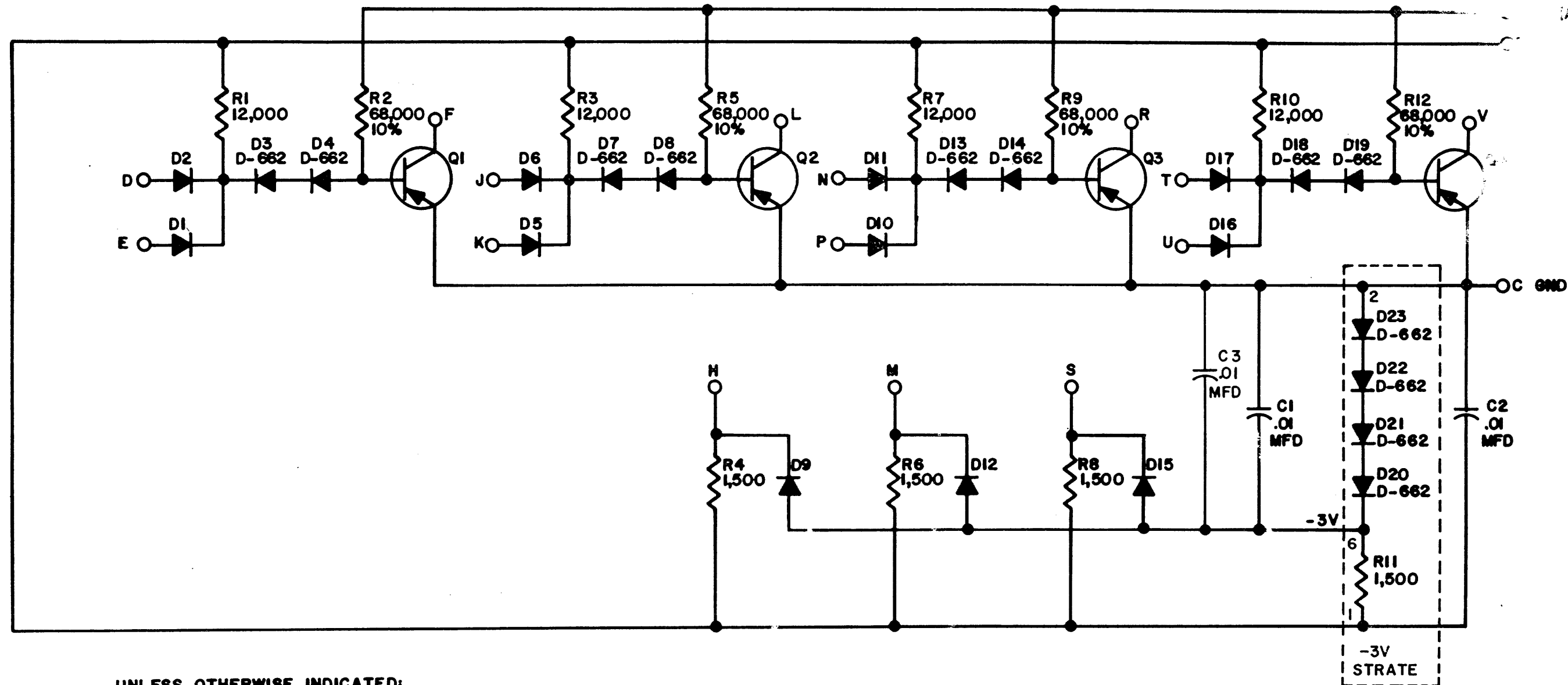
DRN. H PORTER	DATE 4-29-64
CHK'D N PERRYMAN	DATE 5-4-64
ENG. B SCUDNEY	DATE 5-4-64
PROD.	DATE

TRANSISTOR & DIODE CONVERSION CHART			
DEC	EIA	DEC	EIA
DEC2894-IB	NONE		
D662	1N645		
D664	1N3606		

digital
EQUIPMENT
CORPORATION
MAYNARD, MASSACHUSETTS

TITLE INVERTER BIO5			
SIZE B	CODE CS	NUMBER BIO5-0-1	REV. E
PRINTED CIRCUIT REV. D			

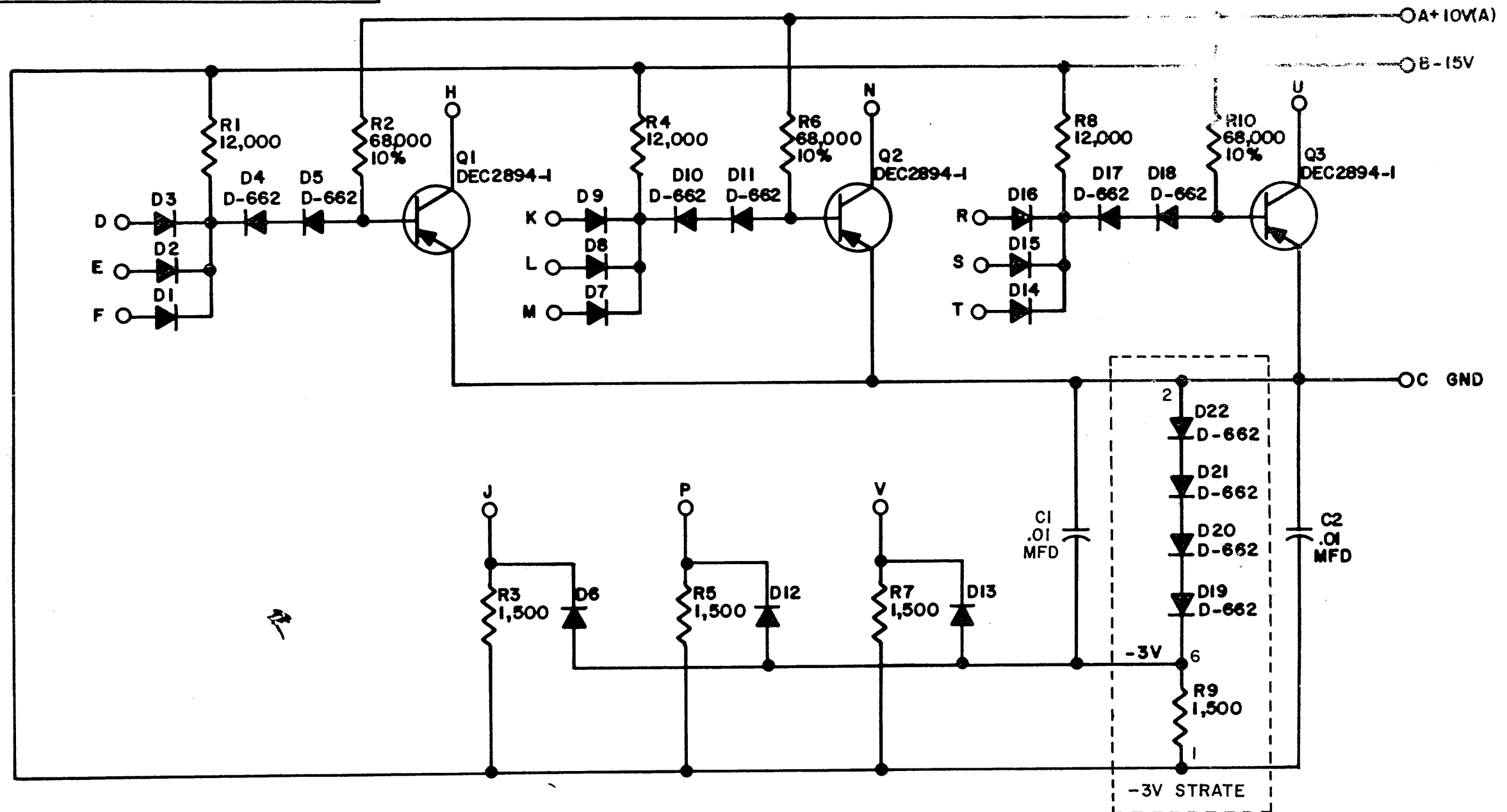
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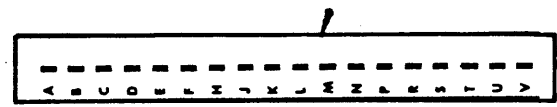
UNLESS OTHERWISE INDICATED:
RESISTORS ARE 1/4W; 5%
TRANSISTORS ARE DEC2894-1B
DIODES ARE D-664

REVISIONS CHK CHG NO. REV. 2 DAW 5270 REV. 5387 C 5674 D				DRN. H. PORTER CHK'D N. PERRYMAN ENG. B. SCUDNEY PROD.		DATE 4-29-64 DATE 5-4-64 DATE 5-4-64 DATE		TRANSISTOR & DIODE CONVERSION CHART <table border="1"> <thead> <tr> <th>DEC</th> <th>EIA</th> <th>DEC</th> <th>EIA</th> </tr> </thead> <tbody> <tr> <td>DEC 2894-1B</td> <td>NONE</td> <td></td> <td></td> </tr> <tr> <td>D662</td> <td>IN645</td> <td></td> <td></td> </tr> <tr> <td>D664</td> <td>IN3606</td> <td></td> <td></td> </tr> </tbody> </table>				DEC	EIA	DEC	EIA	DEC 2894-1B	NONE			D662	IN645			D664	IN3606			digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS		TITLE DIODE GATE B113 SIZE B CODE CS NUMBER B113-0-1 REV. D PRINTED CIRCUIT REV. C			
DEC	EIA	DEC	EIA																														
DEC 2894-1B	NONE																																
D662	IN645																																
D664	IN3606																																

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



REVISIONS CHK CHG NO. REV. REV. 5388 B 5673 C		DRN. H. PORTER CHK'D N. PERRYMAN ENG. B. SCUDNEY PROD.	DATE 4-30-64 DATE 5-4-64 DATE 5-4-64 DATE	TRANSISTOR & DIODE CONVERSION CHART				digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS		TITLE DIODE GATE BII5			
				DEC DEC 2894-1 D662 D664	EIA NONE IN645 IN3606			SIZE B CODE CS NUMBER BII5-0-1	RFV C		PRINTED CIRCUIT REV. C		

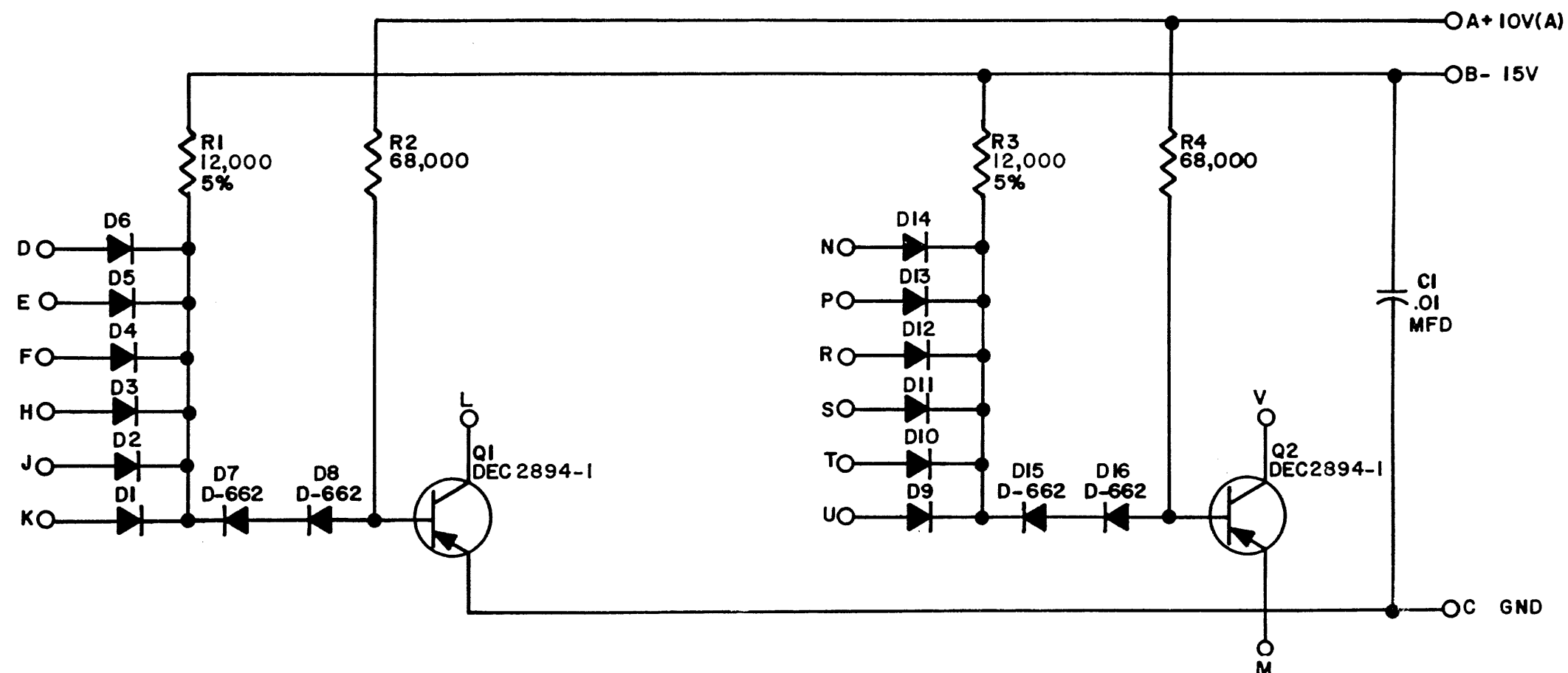
REV. B.

NUMBER

B117-0-1

SIZE	CODE	CS
------	------	----

5

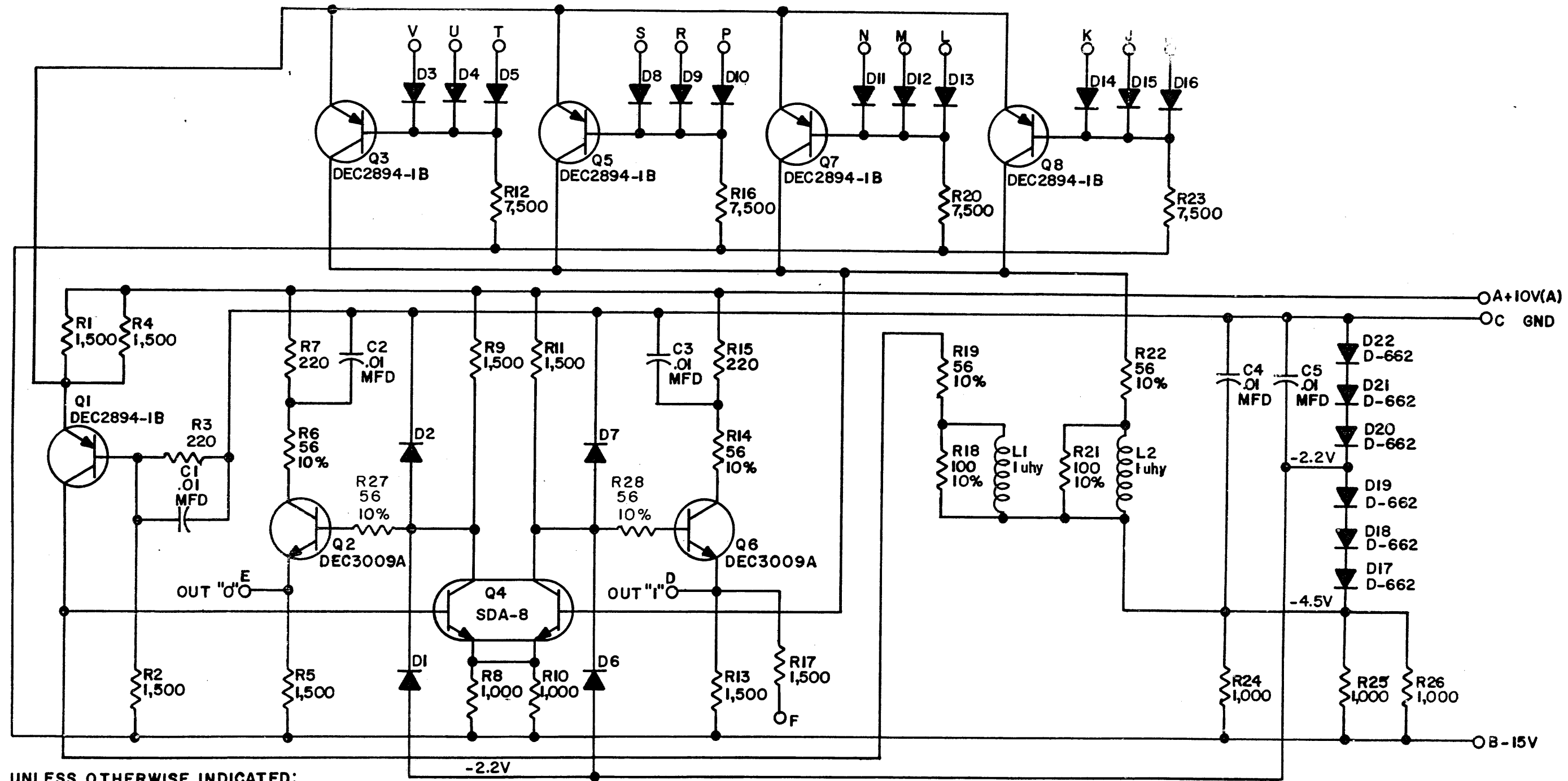


A B C D E F G H I J K L M N O P Q R S T U V

[illegible]

DEC FORM NO.
DRB 102

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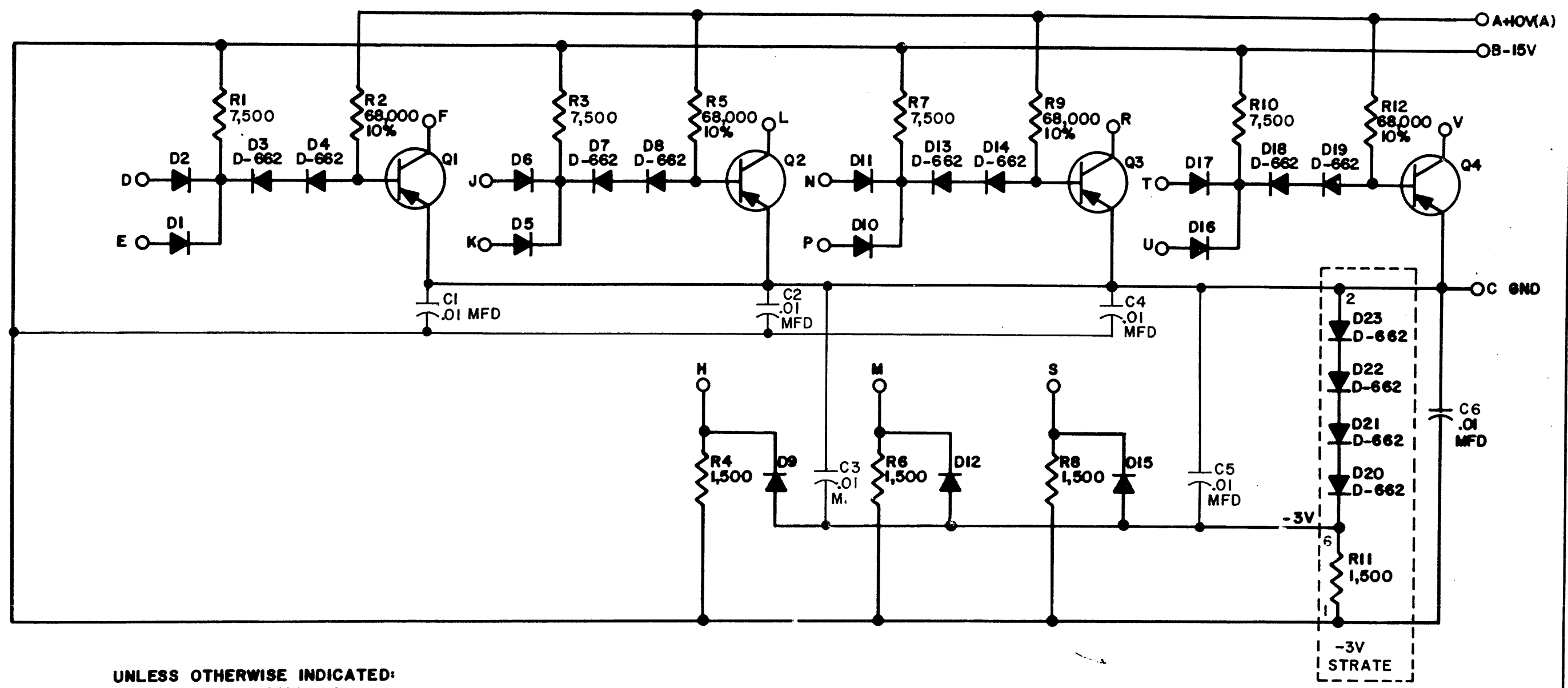
UNLESS OTHERWISE INDICATED:
RESISTORS ARE 1/4 W, 5%
DIODES ARE D664

PARTS LIST A-PL-BI30-0-0

REVISIONS		DRN.	DATE	TRANSISTOR & DIODE CONVERSION CHART		TITLE	
CHK	CHG NO. REV.	H.W. PORTER	11-19-64	DEC	EIA	3 BIT PARITY	
REV. & REDR.	A	CHK'D	DATE	DEC2894-1B	NONE	CIRCUIT BI30	
6486		N. PERRYMAN	12-3-64	SDA-8	NONE	SIZE	CODE
6775	B	ENG.	DATE	DEC3009A	2N3009	B	CS
		R. DOANE	12-3-64	D662	1N645	NUMBER	REV.
		PROD.	DATE	D664	1N36C6	B130-0-1	B
						PRINTED CIRCUIT REV.	

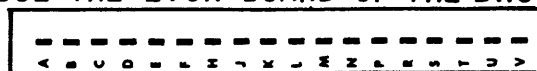
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↓ 8 REV NUMBER 00 2210 30 00 SIZE CODE 3210



UNLESS OTHERWISE INDICATED:
RESISTORS ARE 1/4W; 5%
TRANSISTORS ARE 2N4258
DIODES ARE D-664

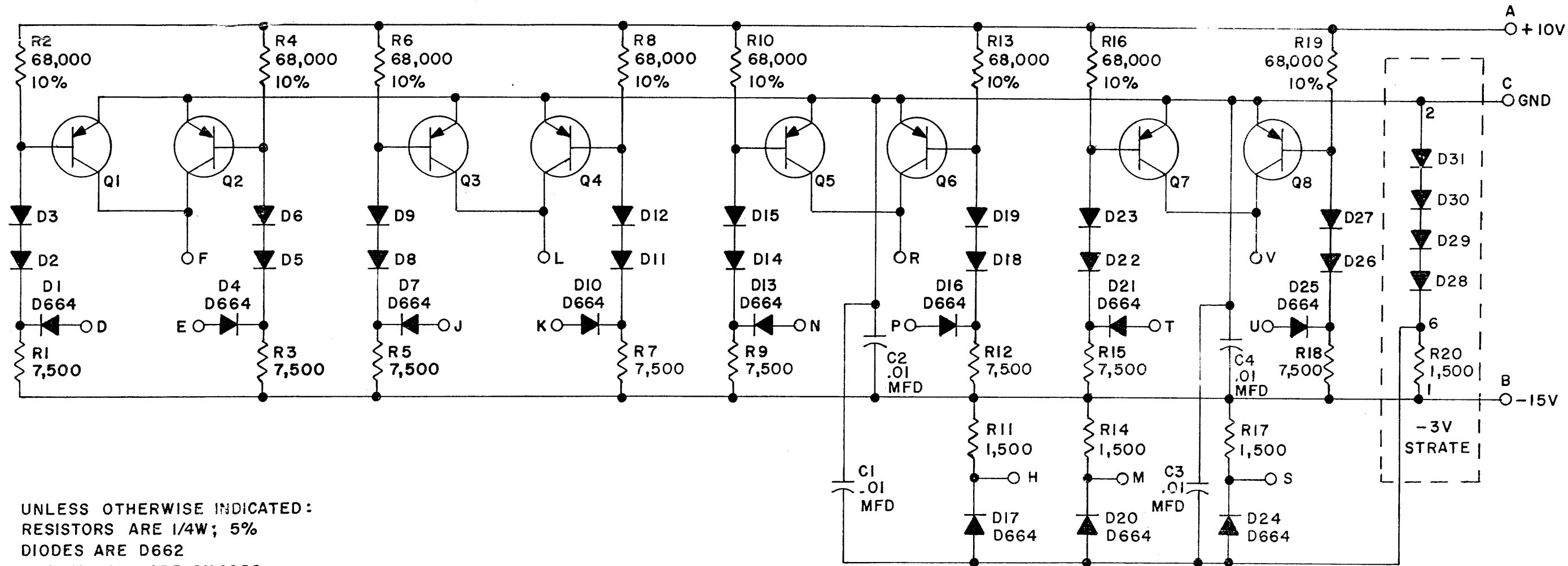
USE THE ETCH BOARD OF THE BI13



REVISIONS CHK CHG NO REV 5658 A 5918 B		DRN <i>[Signature]</i> DATE 7/1/66 CHK'D <i>[Signature]</i> DATE 7/1/66 ENG. D. O'Connor DATE 7/1/66 PROD.	TRANSISTOR & DIODE CONVERSION CHART <table border="1"> <tr> <th>DEC</th> <th>EIA</th> </tr> <tr> <td>2N4258</td> <td>2N4258</td> </tr> <tr> <td>D662</td> <td>IN645</td> </tr> <tr> <td>D664</td> <td>IN3606</td> </tr> </table>	DEC	EIA	2N4258	2N4258	D662	IN645	D664	IN3606	digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS	TITLE DIODE GATE BI33 SIZE B CODE CS NUMBER B133-0-1 REV. B PRINTED CIRCUIT REV C
DEC	EIA												
2N4258	2N4258												
D662	IN645												
D664	IN3606												



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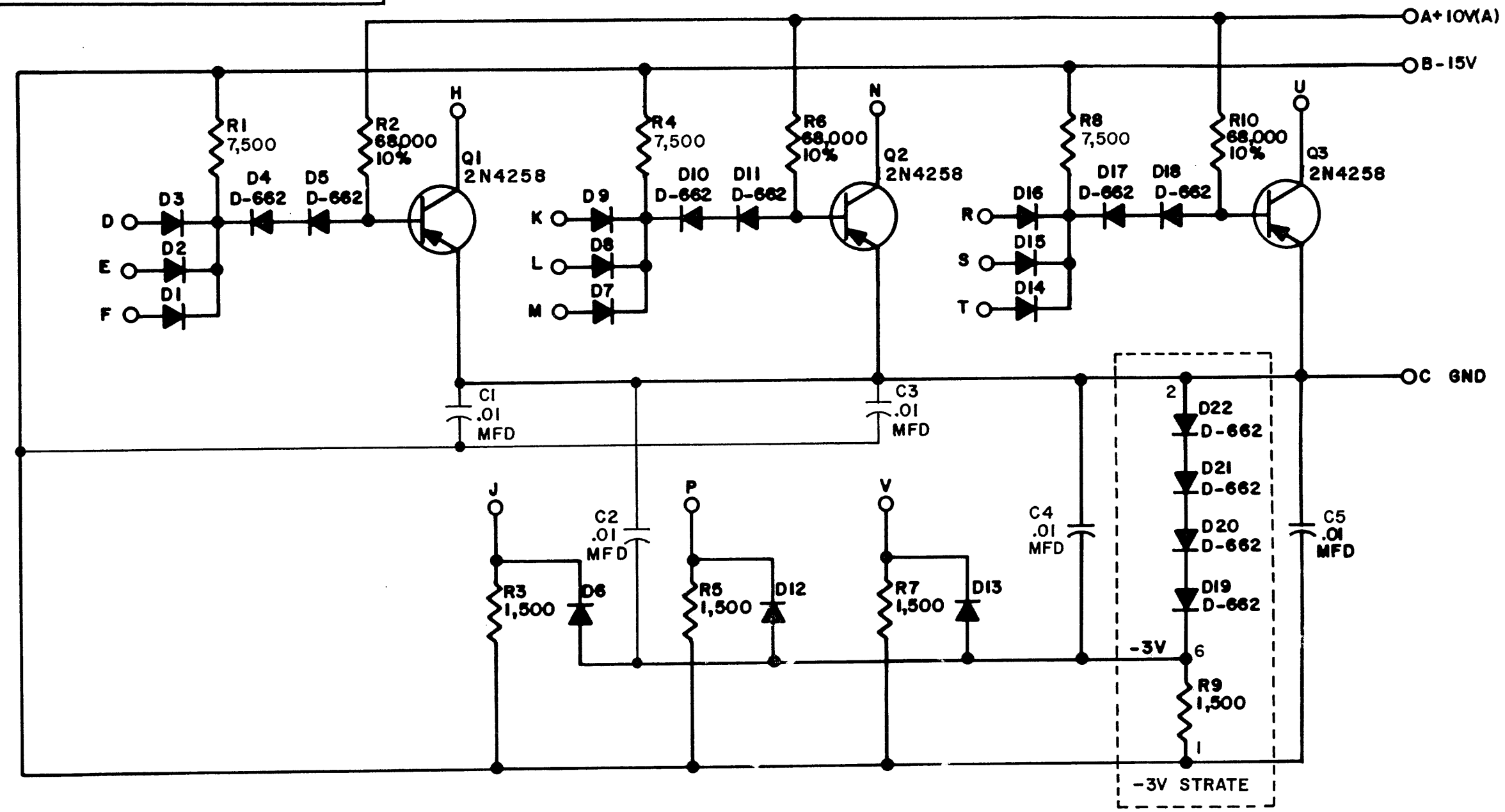


UNLESS OTHERWISE INDICATED:
RESISTORS ARE 1/4W; 5%
DIODES ARE D662
TRANSISTORS ARE 2N4258

< A B C D E F G H I J K L M N O P Q R S T U V W X Y Z 1 2 3 4 5 6 7 8 9 0 >

REVISIONS	CHK	CHG NO.	REV.	A
	1	5916		
DRN. <i>M. Haller</i> DATE <i>10-19-66</i>				
CHK'D <i>R. Sullivan</i> DATE <i>11-1-66</i>				
ENG. <i>Allan Kent</i> DATE <i>21 Oct 66</i>				
PROD. <i>1</i> DATE				
TRANSISTOR & DIODE CONVERSION CHART				
DEC		EIA		
2N4258		2N4258		
D662		1N645		
D664		1N3606		
digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS				
TITLE DIODE GATE B134				
SIZE	CODE	NUMBER	REV.	
B	CS	B134-0-1	A	
PRINTED CIRCUIT REV. B				

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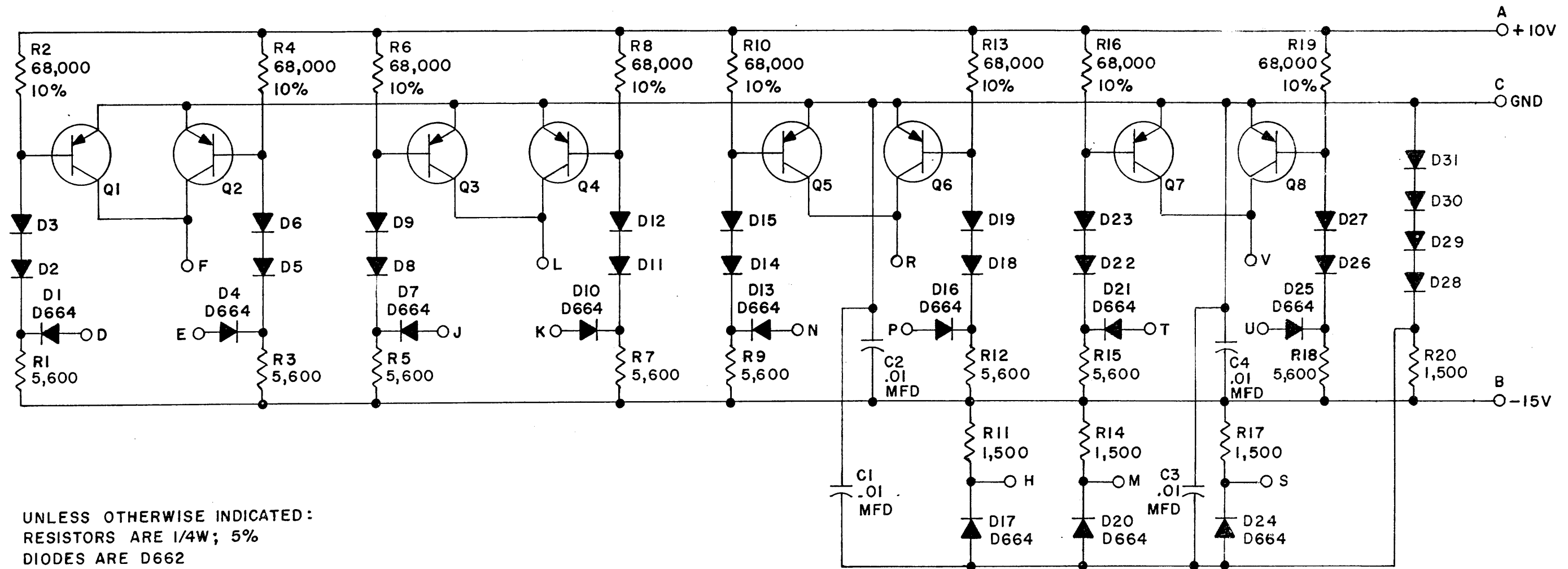


UNLESS OTHERWISE INDICATED:
RESISTORS ARE 1/4W; 5%
DIODES ARE D-664

USE THE ETCH BOARD OF THE BI15

REVISIONS	CHK	CHG NO.	REV.	DRN <i>[Signature]</i> DATE 9/1/66	CHK'D <i>[Signature]</i> DATE 9/12/66	ENG <i>[Signature]</i> DATE 9/6/66	PROD'	DATE	TRANSISTOR & DIODE CONVERSION CHART				digital	TITLE DIODE GATE BI35				
										DEC	EIA	DEC		EIA	SIZE	CODE	NUMBER	REV.
															B	CS	BI35-0-1	B
															PRINTED CIRCUIT REV. C			

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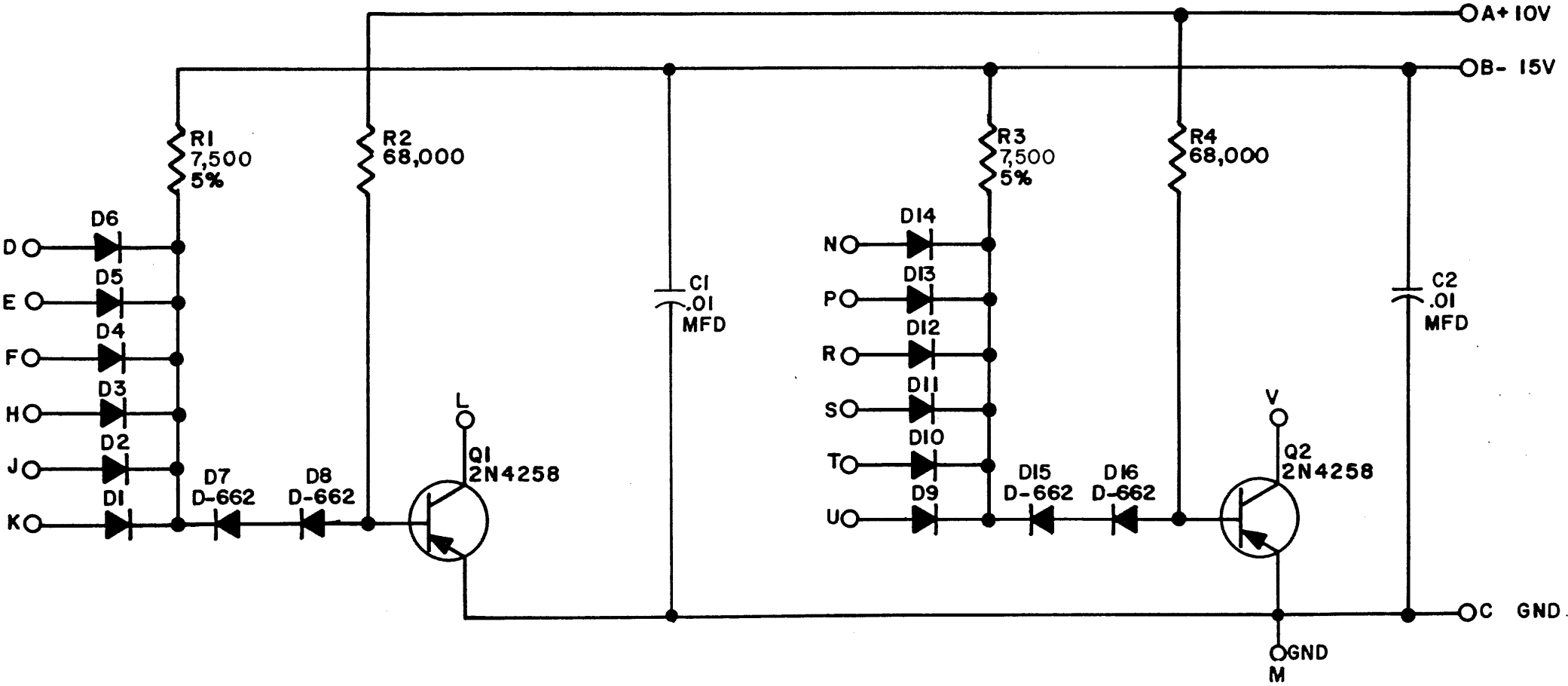


UNLESS OTHERWISE INDICATED:
RESISTORS ARE 1/4W; 5%
DIODES ARE D662
TRANSISTORS ARE 2N4258

USE THE ETCH BOARD OF THE BI34

REVISIONS CHK CHG NO. REV	DRN. <i>M. Waller</i>	DATE 3-26-69	TRANSISTOR & DIODE CONVERSION CHART				digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS	TITLE DIODE GATE BI36						
	CHK'D <i>A. Young</i>	DATE 3-31-69	DEC	EIA	DEC	EIA		SIZE B	CODE CS	NUMBER BI36-0-1	REV			
	ENG <i>J. Hachenberg</i>	DATE 4-4-69	2N4258	2N4258										
	PROD.	DATE	D662	IN645										

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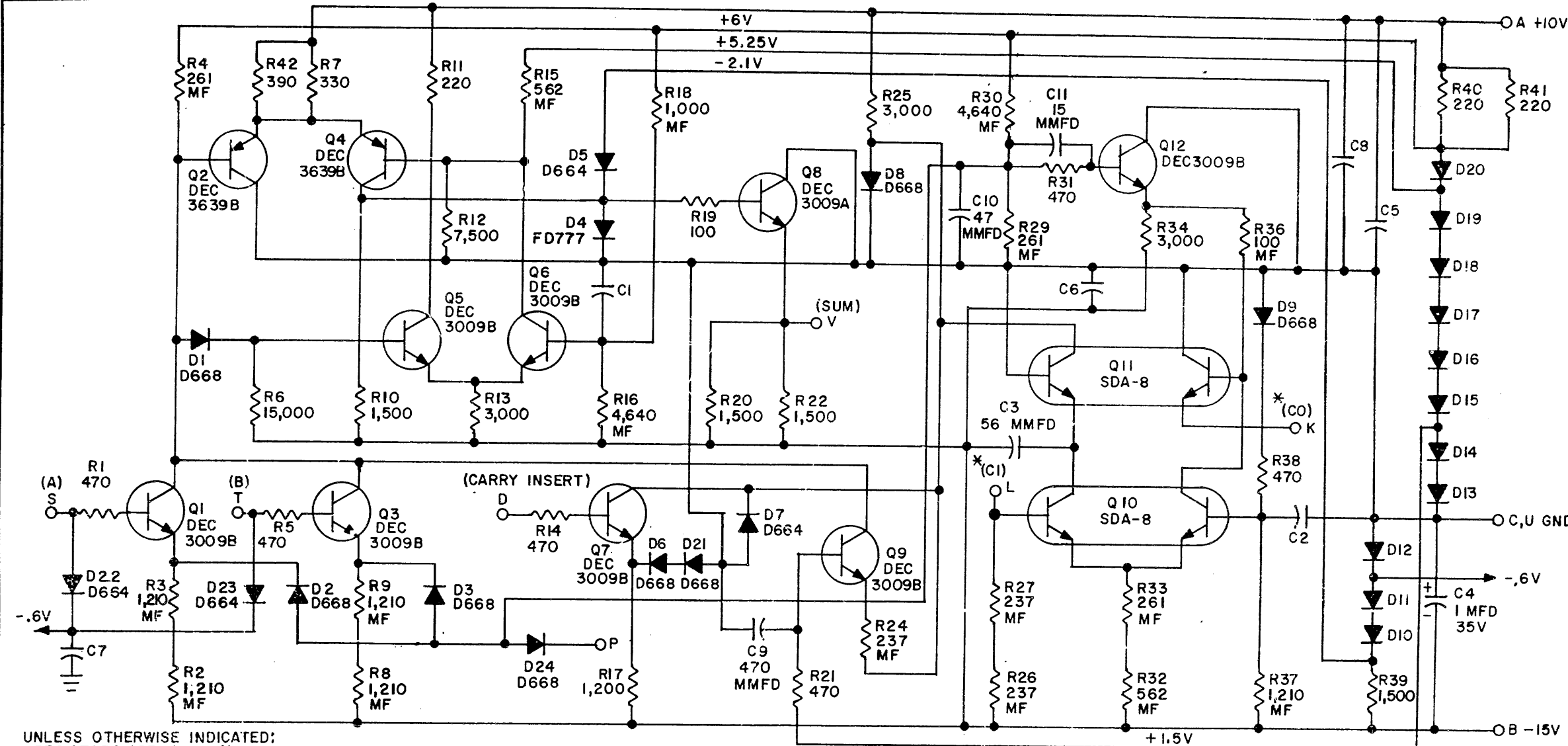
UNLESS OTHERWISE INDICATED:
RESISTORS ARE 1/4W; 10%
DIODES ARE D-664

USE THE ETCH BOARD OF THE B117



REVISIONS	CHK	CHG NO.	REV.	DRN <i>M. Sullivan</i> DATE 9/1/66	DATE 9/1/66	TRANSISTOR & DIODE CONVERSION CHART				digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS	TITLE DIODE GATE BI37				
	5660	A					DEC	EIA	DEC		EIA	SIZE	CODE	NUMBER	REV.
	5915	B					2N4258	2N4258				B	CS	BI37-0-1	B
							D662	IN645							
							D664	IN3606							
DEC FORM NO. DRB 102										PRINTED CIRCUIT REV. C					

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UNLESS OTHERWISE INDICATED:
RESISTORS ARE 1/4W, 5%
MF RESISTORS ARE METAL FILM 1/8W 1% 100PPM
(WARD LEONARD TYPE)
CAPACITORS ARE .01 MFD
DIODES ARE D662
D668 2(TWO) 1N3606 IN SERIES

*CO IS CONNECTED TO C1 ON THE NEXT
MODULE BY A 100Ω 1/8W, 1% MF
RESISTOR FROM PIN K TO PIN L

PARTS LIST IS A-PL-B138-0-0

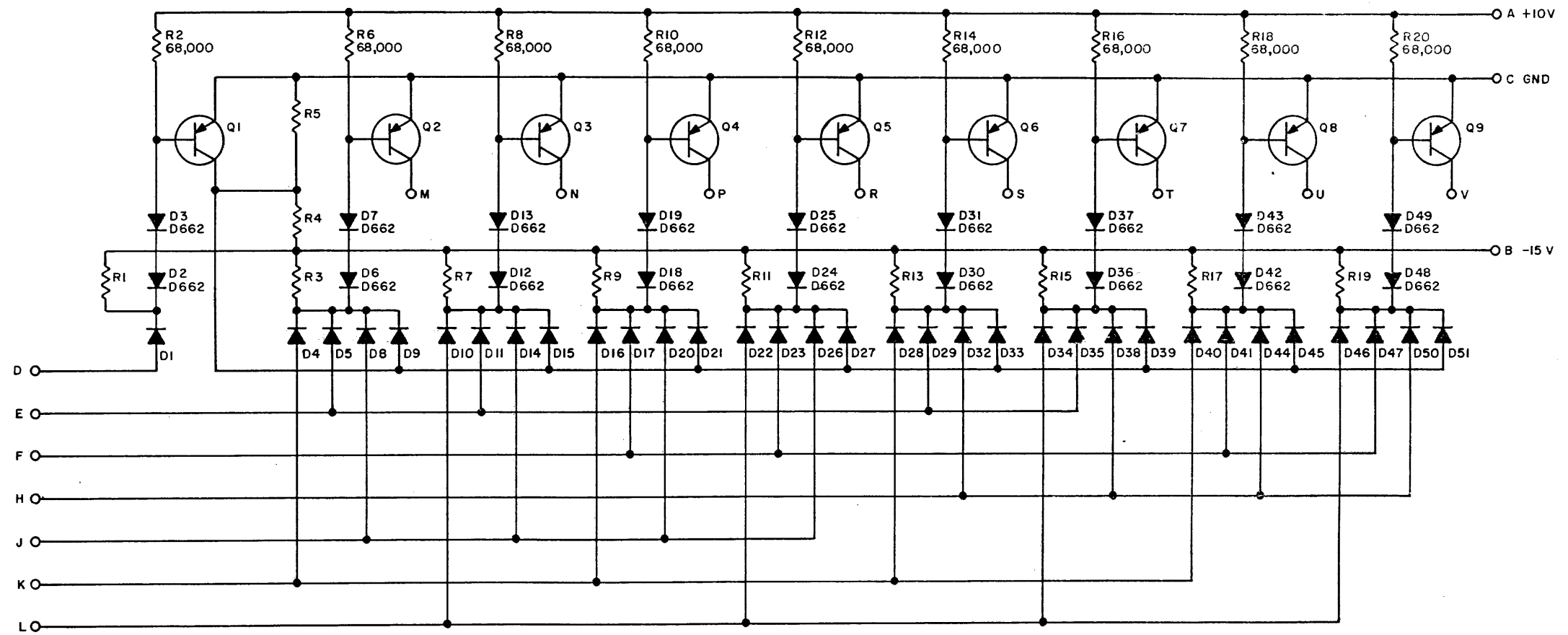
REVISIONS CHG NO. REV. B C D 6776 6878 00001				DRN. M. Hatten DATE 10-10-67 CHK'D R. Sullivan DATE 10/13/67 ENG. P. Sullivan DATE 10/17/67 PROD. I		TRANSISTOR & DIODE CONVERSION CHART <table border="1"> <tr> <th>DEC</th> <th>EIA</th> <th>DEC</th> <th>EIA</th> </tr> <tr> <td>DEC3009B</td> <td>2N3009</td> <td>D668</td> <td>SEE NOTE</td> </tr> <tr> <td>DEC3639B</td> <td>2N3639</td> <td>FD777</td> <td>SAME</td> </tr> <tr> <td>SDA-8</td> <td>NONE</td> <td></td> <td></td> </tr> <tr> <td>D662</td> <td>1N645</td> <td></td> <td></td> </tr> <tr> <td>D664</td> <td>1N3606</td> <td></td> <td></td> </tr> </table>				DEC	EIA	DEC	EIA	DEC3009B	2N3009	D668	SEE NOTE	DEC3639B	2N3639	FD777	SAME	SDA-8	NONE			D662	1N645			D664	1N3606			EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS				TITLE ADDER B138 SIZE B CODE CS NUMBER B138-0-1 REV. D PRINTED CIRCUIT REV. B			
DEC	EIA	DEC	EIA																																						
DEC3009B	2N3009	D668	SEE NOTE																																						
DEC3639B	2N3639	FD777	SAME																																						
SDA-8	NONE																																								
D662	1N645																																								
D664	1N3606																																								

DEC FORM NO.
DRB 102

DIST. 324 435 435 439

6, PINK

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UNLESS OTHERWISE INDICATED:
RESISTORS ARE 7,500
RESISTORS ARE 1/4 W, 5%
DIODES ARE D664
TRANSISTORS ARE 2N4258

REV.	CHG	NO.	REV.
1			

DEC FORM NO.

DRN.	DATE
M. Miller	5-17-67
CHK'D.	DATE
S. Schuman	5/17/67
ENG.	DATE
A. Kotok	5-23-67
PROD.	DATE

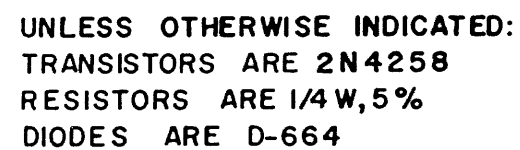
TRANSISTOR & DIODE CONVERSION CHART			
DEC	EIA	DEC	EIA
2N4258	SAME		
D662	IN645		
D664	IN3606		

digital
EQUIPMENT
CORPORATION
MAYNARD, MASSACHUSETTS

TITLE			
BINARY TO OCTAL DECODER B152			
SIZE	CODE	NUMBER	REV.
C	CS	B152-0-1	
PRINTED CIRCUIT REV.			A

SIZE	CODE	NUMBER	REV.
C	CS	B152-0-1	

SIZE	CODE	NUMBER	REV.
------	------	--------	------



REVISIONS		
CHK	CHG NO.	REV.
600	5913	A
600	5991	B
		C
600	6212	D

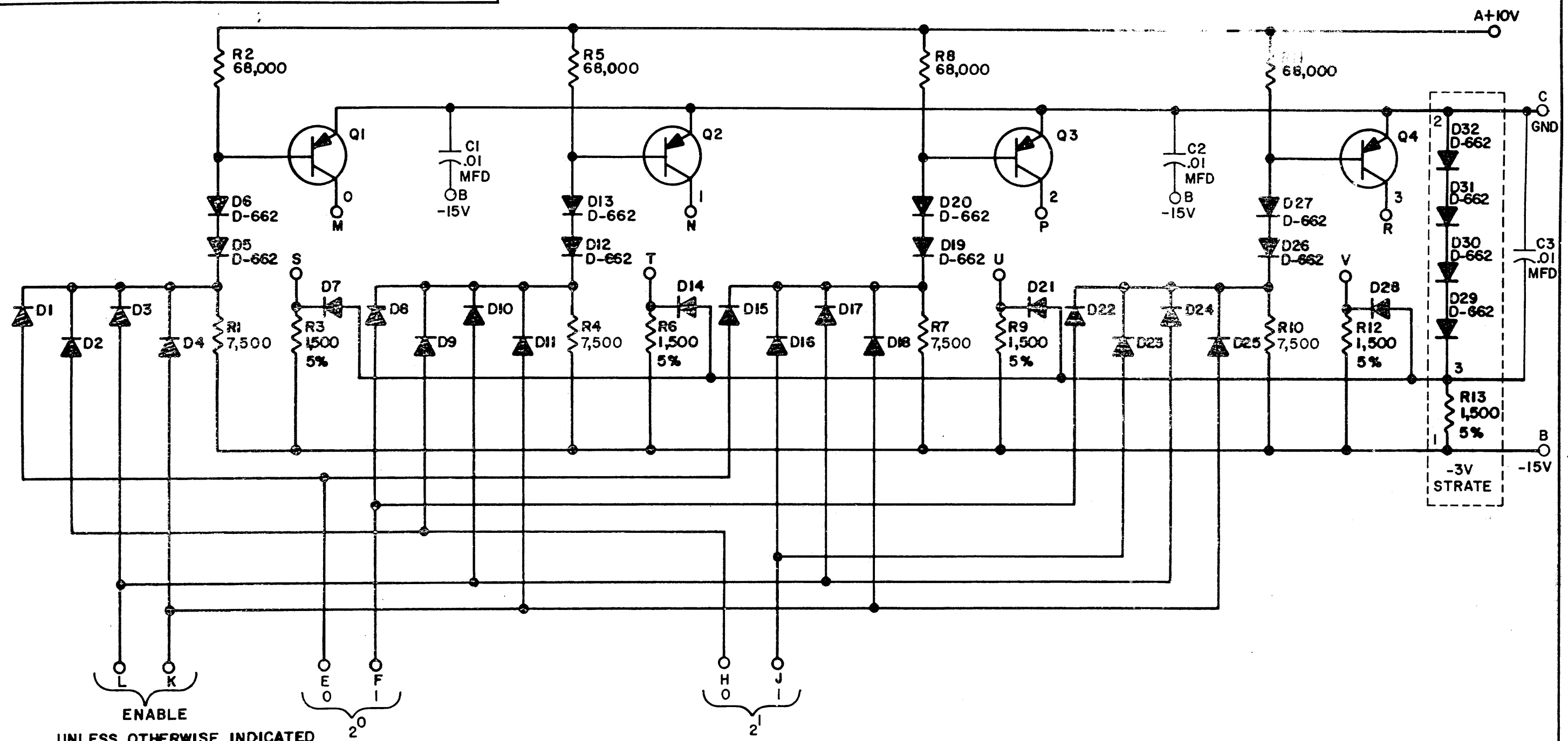
DRN. <i>R. Thompson</i>	DATE 9-30-66
CHK'D <i>R. Silverman</i>	DATE 10/3/66
ENG. <i>Allan Kent</i>	DATE 4 OCT 66
PROD.	DATE

TRANSISTOR & DIODE CONVERSION CHART			
DEC		EIA	
2N4258	2N4258		
D662	IN645		
D664	IN3606		

digital
EQUIPMENT
CORPORATION
MAYNARD, MASSACHUSETTS

TITLE									
DIODE GATE BI63									
SIZE	CODE	NUMBER						REV.	
B	CS	BI63-0-1						D	
PRINTED CIRCUIT REV.					D				

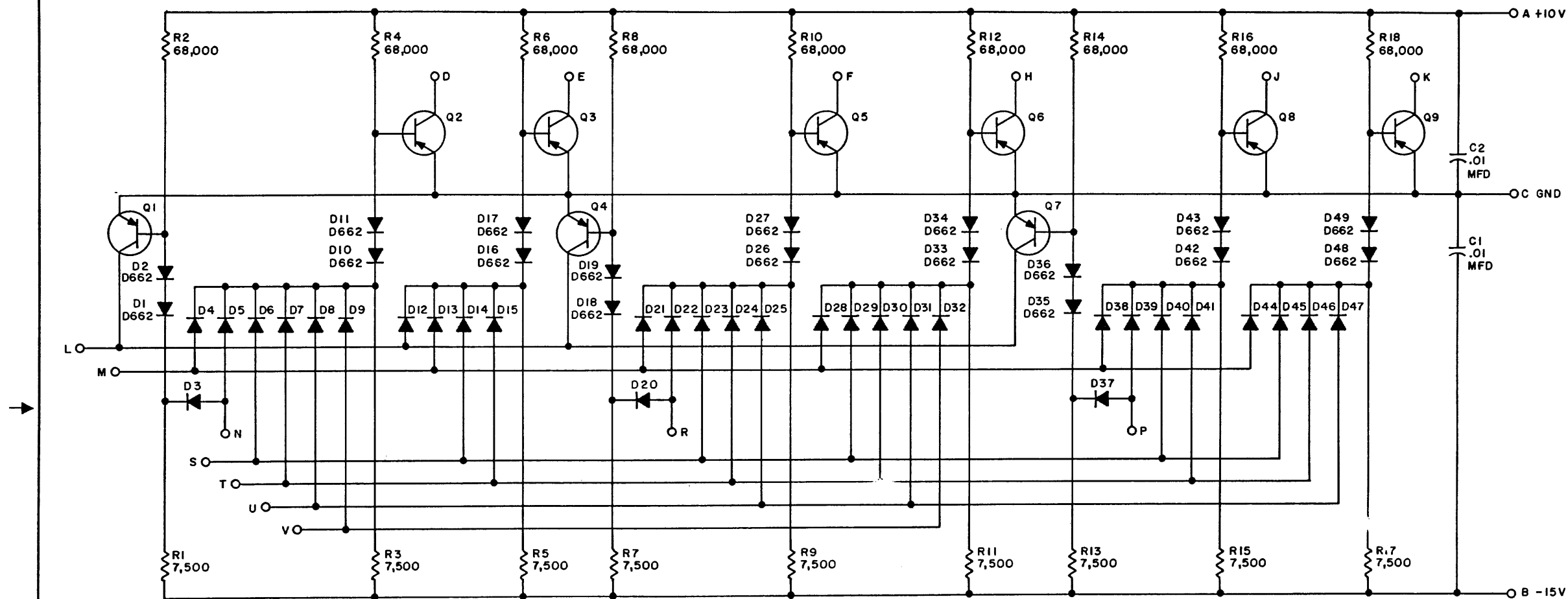
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UNLESS OTHERWISE INDICATED
RESISTORS ARE 1/4W; 10%
DIODES ARE D-664
TRANSISTORS ARE 2N4258

REVISIONS CHK CHG NO. REV. A 3914	DRN.	DATE	TRANSISTOR & DIODE CONVERSION CHART		digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS	TITLE HALF BINARY TO OCTAL DECODER B156			
	CHK'D	DATE	DEC	EIA		SIZE	CODE	NUMBER	REV.
	ENG.	DATE	2N4258	2N4258		B	CS	B156-0-1	A
	PROD.	DATE	D662	1N645		PRINTED CIRCUIT REV. A			

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REV.	CHG.	NO.	REV.
1			

DEC FORM NO.
DRC 102

DRN.	DATE
M. Haller	3-30-67
CHKD.	DATE
3/31/67	
ENG.	DATE
3-31-67	
PROD.	DATE

TRANSISTOR & DIODE CONVERSION CHART			
DEC	EIA	DEC	EIA
2N4258	2N4258		
D662	IN645		
D664	IN3606		

digital
EQUIPMENT
CORPORATION
MAYNARD, MASSACHUSETTS

TITLE			
COUNTING GATE B166			
SIZE	CODE	NUMBER	REV.
C	CS	B166-0-1	
PRINTED CIRCUIT REV.			A

SIZE	CODE	NUMBER	REV.
------	------	--------	------





REVISIONS	CHK	CHG NO.	REV.	DRN. <i>M. Haller</i> DATE <i>10-18-66</i> CHK'D <i>A</i> DATE <i>10/21/66</i> ENG. <i>William K...</i> DATE <i>21 Oct 66</i> PROD. <i>I</i> DATE	TRANSISTOR & DIODE CONVERSION CHART				digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS	TITLE DIODE INVERTER B165								
	DEC		EIA		DEC		EIA			SIZE B CODE CS NUMBER B165-0-1	REV. A							
	2N4258		SAME															
	D662		IN645															
	D664		IN3606															
								PRINTED CIRCUIT REV.				A						



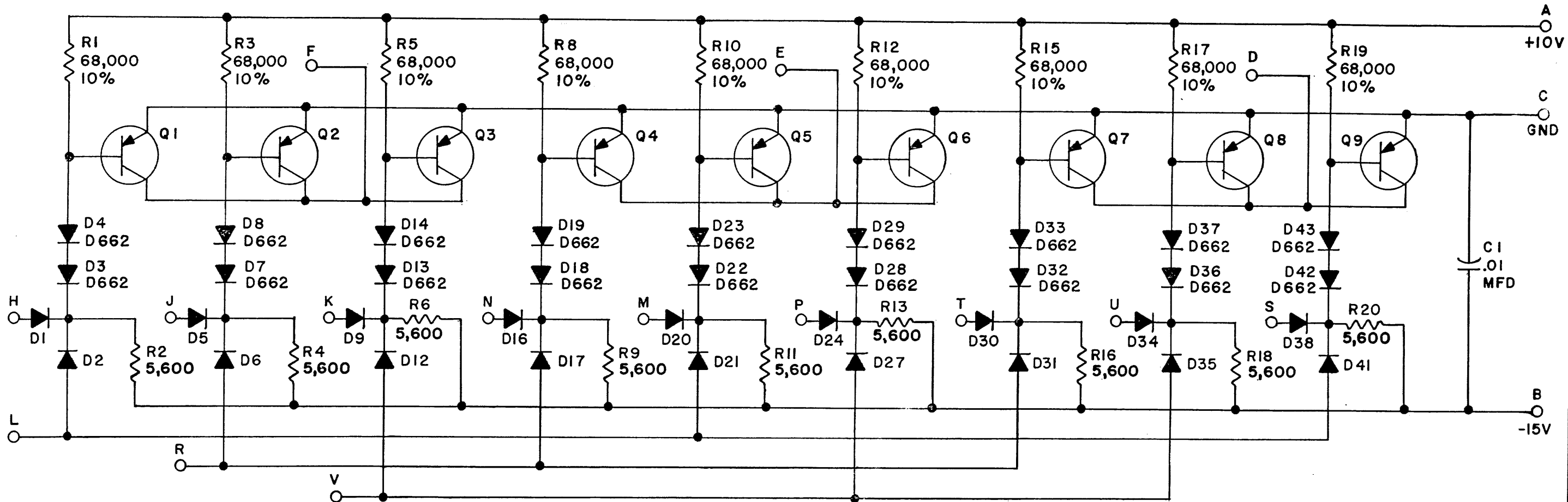
REV. B

NUMBER 1-0-8918

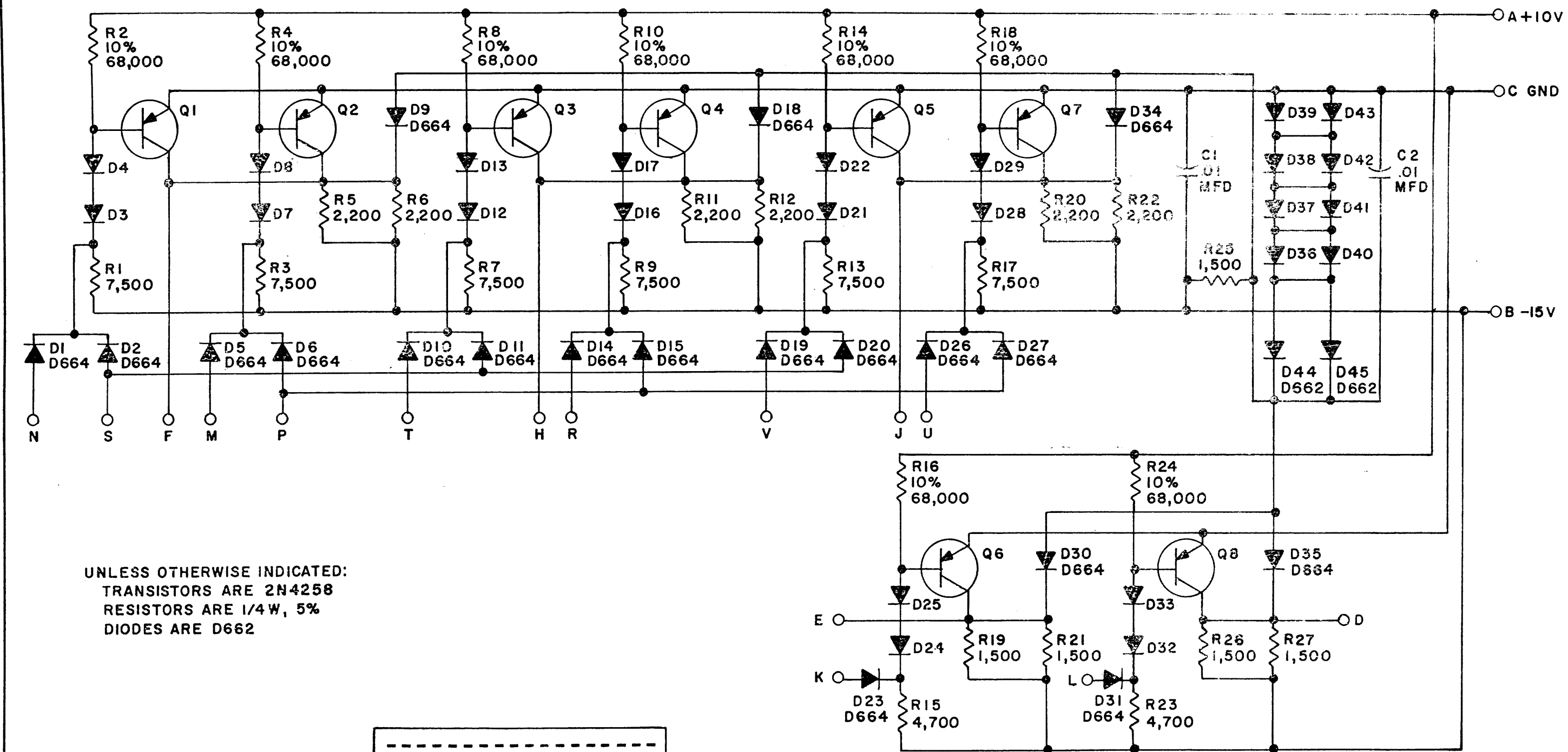
CODE CS

SIZE B

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REVISIONS				DRN. <i>M. Haller</i> DATE <i>11-21-66</i>		TRANSISTOR & DIODE CONVERSION CHART				TITLE	
CHK	CHG	NO.	REV.	CHK'D	DATE	DEC	EIA	DEC	EIA	ADDER GATE BI67	
		5919	A		<i>11/23/66</i>	2N4258	2N4258				
		6465	B			D662	1N645				
		7118	C			D664	1N3608				
				ENG. <i>J. Haller</i>	DATE <i>11-21-66</i>						
				PROD.	DATE						
								digital		NUMBER	
								EQUIPMENT CORPORATION		REV. C	
								MAYNARD MASSACHUSETTS		PRINTED CIRCUIT REV. D	

REV. C

NUMBER

1-0-1218

CODE | 85

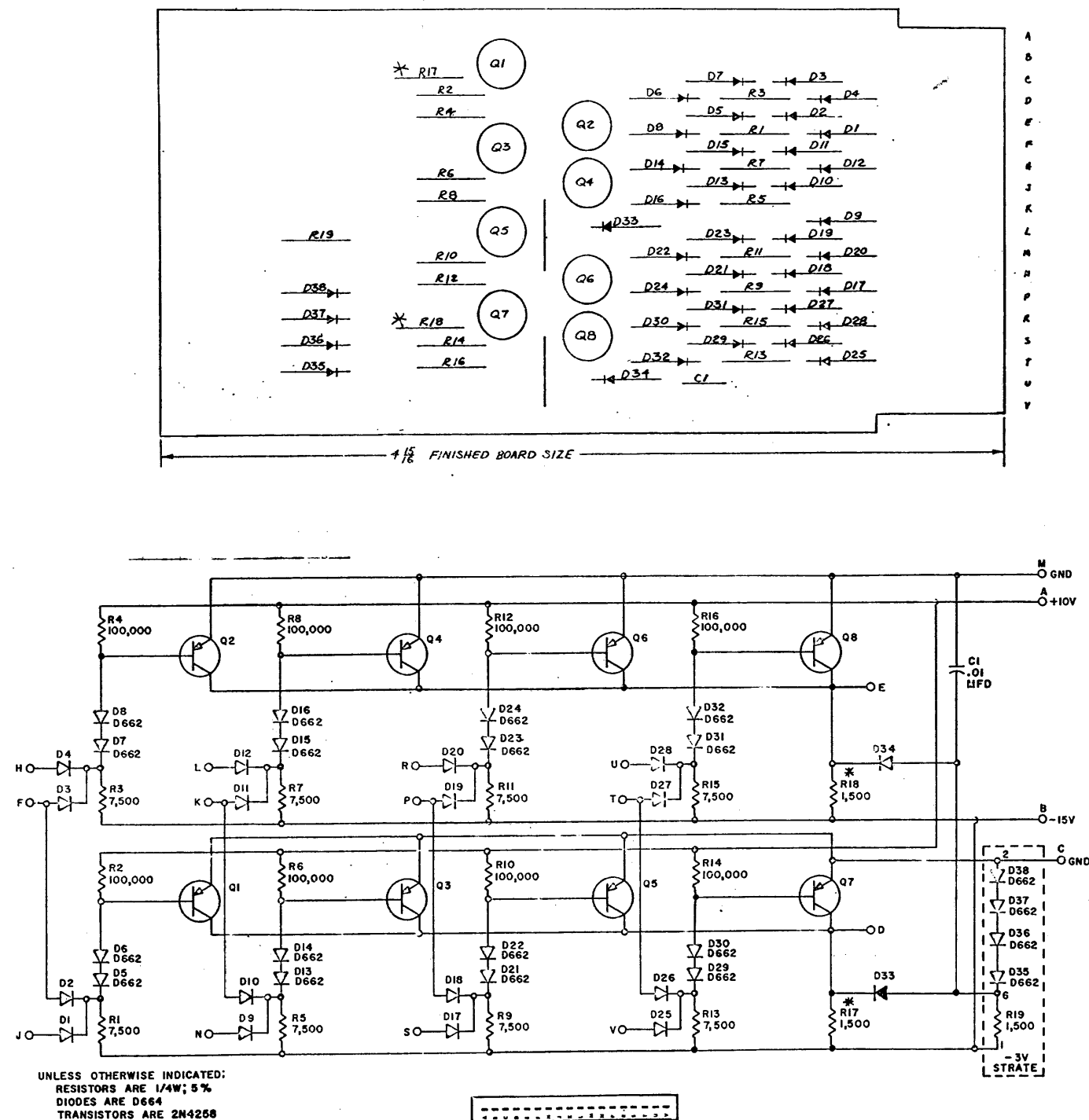
SIZE 8

1



A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

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NOTES
* THESE RESISTORS ARE
DELETED ON B169-YA

QTY	REF DESIGNATION	DESCRIPTION	PART NO.	ITEM NO.
2		EYELET	9006732	13
8	Q1-Q8	TRANSISTOR DEC4258	150521	12
8	R2,4,6,8,10,12,14,16	RESISTOR 100K 1/4W 5%	1302466	11
8	R1,3,5,7,9,11,13,15	RESISTOR 7.5K 1/4W 5%	1301422	10
3	R17-R19	RESISTOR 1.5K 1/4W 5%	1300391	9
18	D1-D4, D9-D12, D17-D20, D25-D28, D33, D34	DIODE D664	1100114	8
20	D5-D8, D13-D16, D21-D24, D29-D32, D35-D38	DIODE D662	1100113	7
1	C1	CAP. 0.1MF 100V 20% DISC	1001610	6
1		HANDLE FLIPCHIP-BLUE	9008337-5	5
1		ETCHED CIRCUIT BOARD	5003781	4
REF		MODULE ECO HISTORY	B-MH-B169-0-6	3
REF		ASSY/DRILLING HOLE CUTOUT	D-AH-B169-0-5	2
REF		X-Y COORDINATE HOLE LOCATION	K-CO-B169-0-4	1

ETCH BOARD REV		B	DATE		12-7-72
DRN		Auto	DATE		12-7-72
CHKD		Auto	DATE		12-7-72
ENG		P. Sullivan	DATE		12-7-72
PROJ. ENG		P. Sullivan	DATE		12-7-72
PROD		P. Sullivan	DATE		12-7-72
NEXT HIGHER ASSY					
SCALE		~	SIZE CODE		D25
SHEET		1	OF		1
REV.		D	REV.		D

digital EQUIPMENT CORPORATION

INVERTER

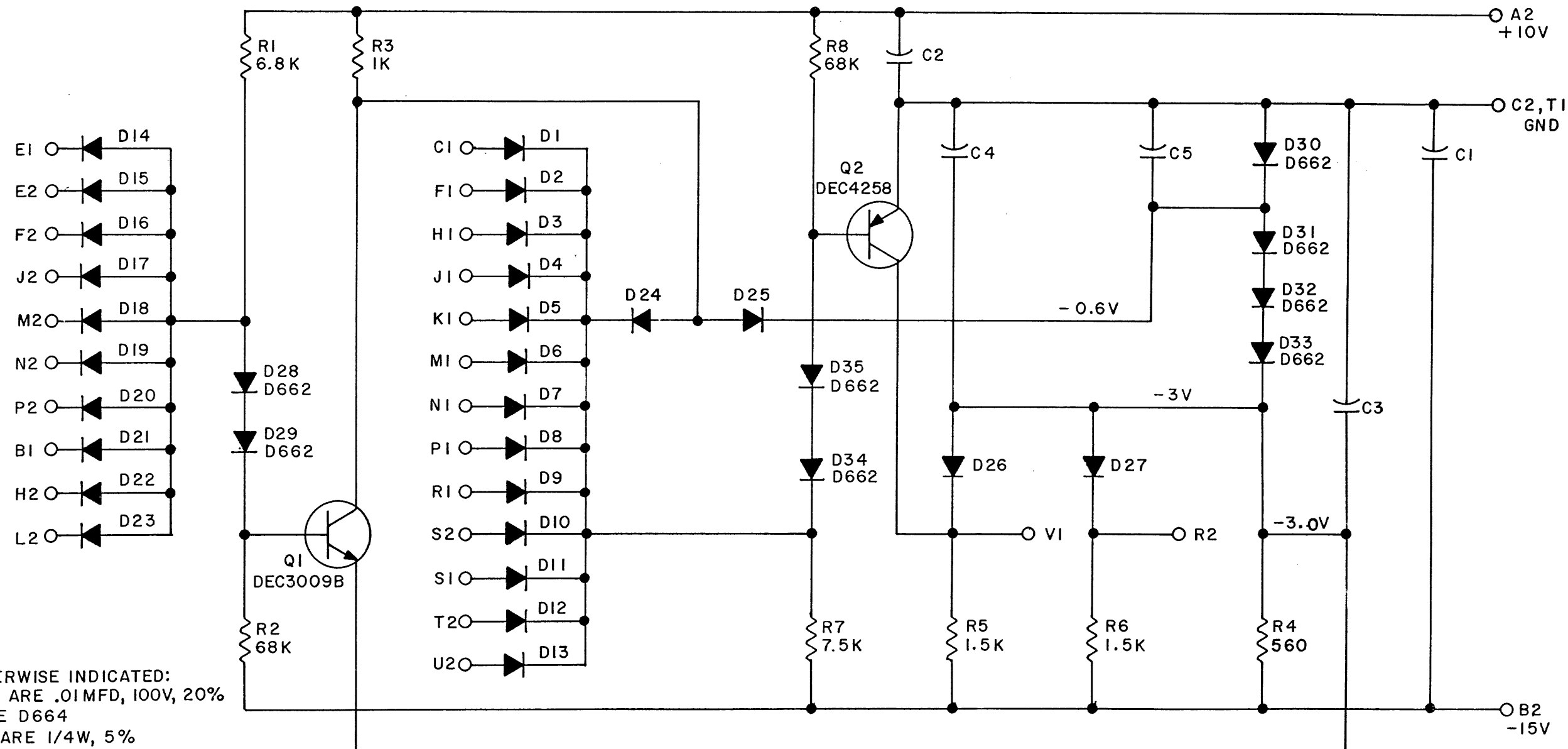
SECTION B169-0-1

REV	CHANGE NO.	DESCRIPTION
1	1	12-7-72
2	2	12-7-72
3	3	12-7-72
4	4	12-7-72
5	5	12-7-72
6	6	12-7-72
7	7	12-7-72
8	8	12-7-72
9	9	12-7-72
10	10	12-7-72
11	11	12-7-72
12	12	12-7-72
13	13	12-7-72
14	14	12-7-72
15	15	12-7-72
16	16	12-7-72
17	17	12-7-72
18	18	12-7-72
19	19	12-7-72
20	20	12-7-72

REV	CHANGE NO.	DESCRIPTION
1	1	12-7-72
2	2	12-7-72
3	3	12-7-72
4	4	12-7-72
5	5	12-7-72
6	6	12-7-72
7	7	12-7-72
8	8	12-7-72
9	9	12-7-72
10	10	12-7-72
11	11	12-7-72
12	12	12-7-72
13	13	12-7-72
14	14	12-7-72
15	15	12-7-72
16	16	12-7-72
17	17	12-7-72
18	18	12-7-72
19	19	12-7-72
20	20	12-7-72

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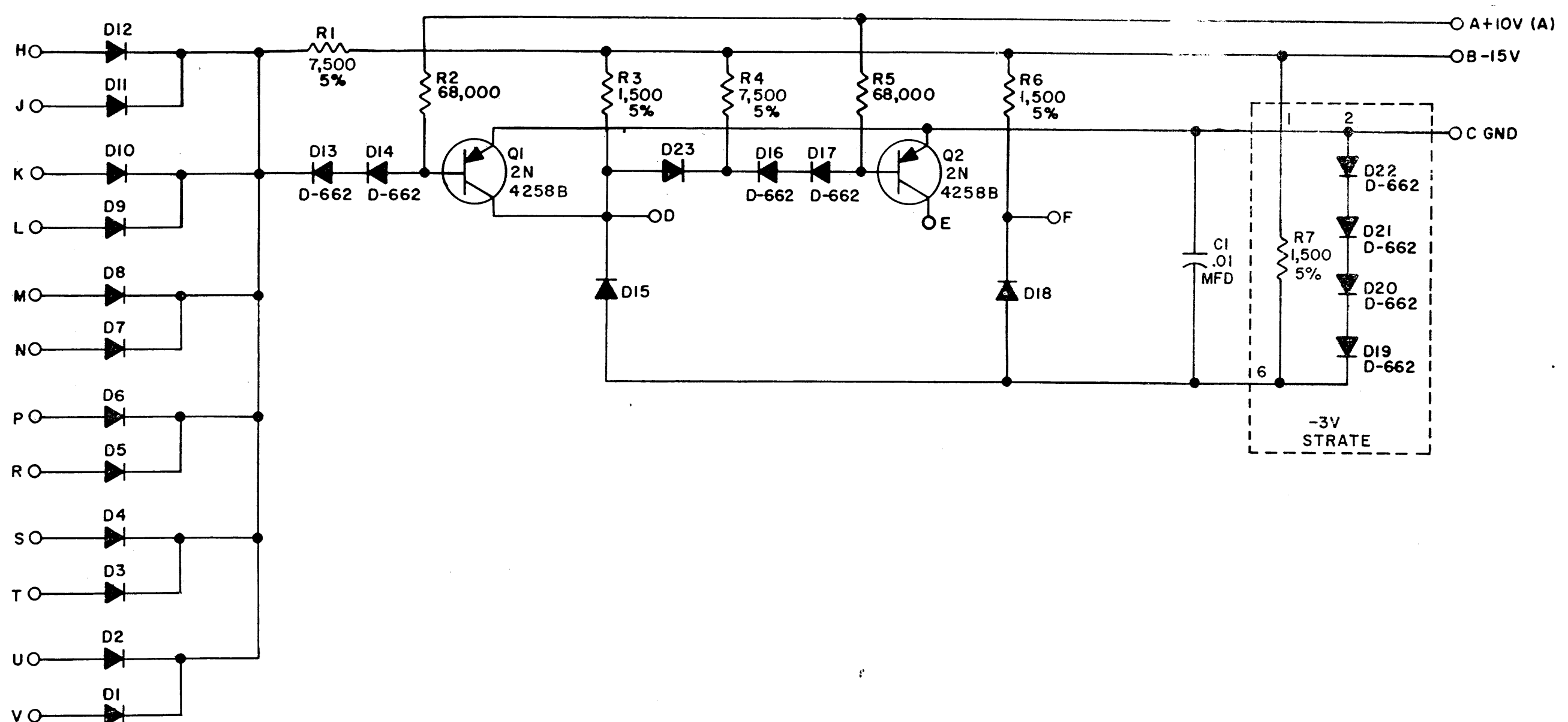
↓ B REV. NUMBER B 173-0-1 SIZE CODE B CS



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

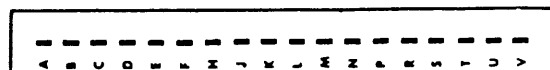
REVISIONS	CHK	CHG NO.	REV.	A	B		
				00001	00002		
DRN.		M. J. Miller		DATE 10-21-69			
CHK'D		P. Sullivan		DATE 10/22/69			
ENG.		P. Sullivan		DATE 12/4/69			
PROD.				DATE			
TRANSISTOR & DIODE CONVERSION CHART							
DEC		EIA		DEC		EIA	
D662		IN645					
D664		IN3606					
DEC3009B		2N3009					
DEC4258		2N4258					
digital				EQUIPMENT CORPORATION		MAYNARD, MASSACHUSETTS	
TITLE				DIODE GATE B173			
SIZE		CODE		NUMBER		REV.	
B		CS		B173-0-1		B	
PRINTED CIRCUIT REV.				A			

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

USE THE ETCH BOARD OF THE B171



REVISIONS	
CHK	CHG NO. REV

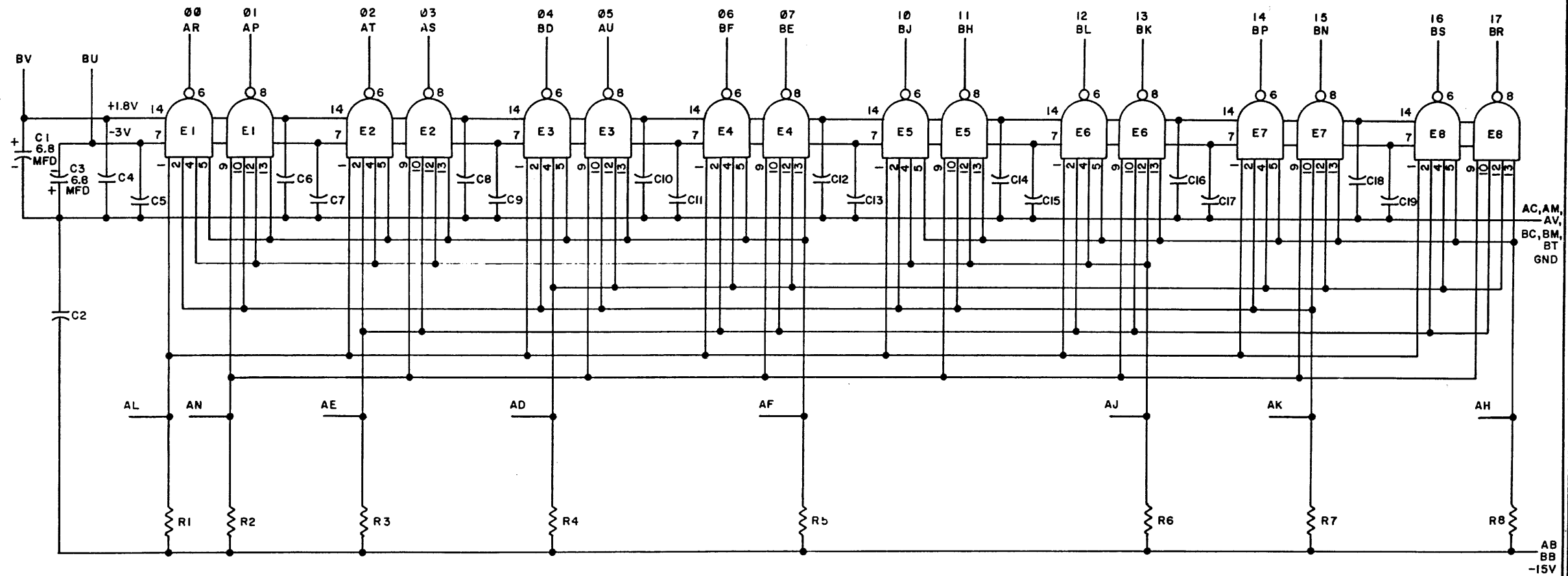
DRN.	DATE
<i>M. Haller</i>	5-31-67
CHK'D	DATE
<i>M. Haller</i>	5-31-67
ENG.	DATE
<i>D. J. Chen</i>	5-31-67
PROD.	DATE

TRANSISTOR & DIODE CONVERSION CHART			
DEC		EIA	
2N4258B	SAME		
D662	IN645		
D664	IN3606		

digital
EQUIPMENT
CORPORATION
MAYNARD MASSACHUSETTS

TITLE			
DIODE GATE B172			
SIZE	CODE	NUMBER	REV
B	CS	B172-0-1	
PRINTED CIRCUIT REV			C

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UNLESS OTHERWISE INDICATED:
CAPACITORS ARE .01 MFD

RESISTORS ARE 1,500; 1/4 W; 5%
E1 THRU E8 ARE TEXAS INSTRUMENT SN7440N
OR FAIRCHILD U6A900959X

1-2-67

REVISIONS
CHK CHG NO. REV.

DRN. *M. Haller* DATE *3-2-67*
CHK'D *A. Hall* DATE *4-1-67*
ENG. *J. Hall* DATE *7-1-67*
PROD. DATE

TRANSISTOR & DIODE CONVERSION CHART

DEC	EIA	DEC	EIA

digital
EQUIPMENT
CORPORATION
MAYNARD, MASSACHUSETTS

TITLE
FM ADDRESS DECODER B199
SIZE CODE NUMBER
C CS B199-0-1
PRINTED CIRCUIT REV. B

1-0-8618 35 C

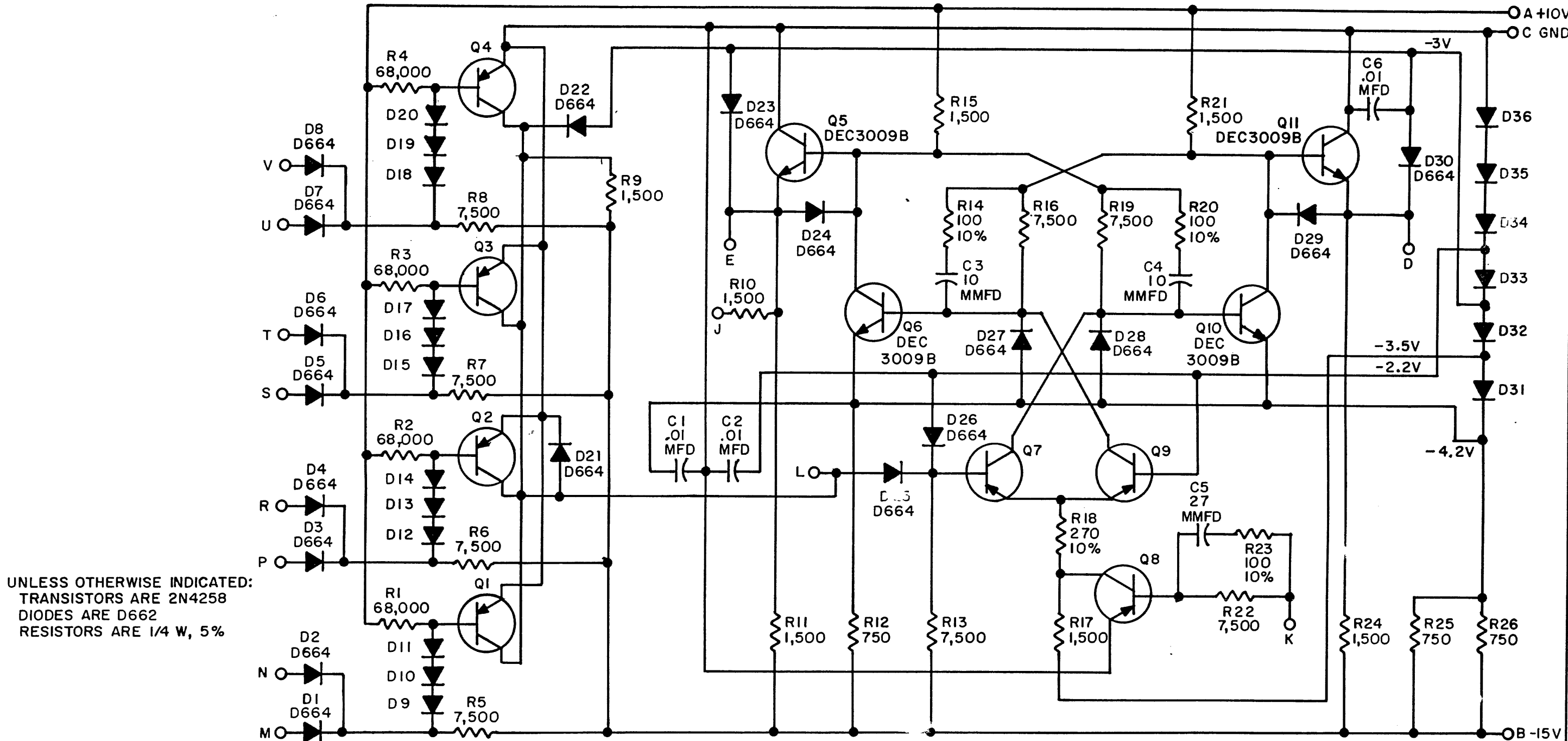


CODE CONVERSION CHART		PARTS LIST		TITLE	
DEC	EIA	 EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS	PROTECTION COMPARATOR B198		
			SIZE D	CODE CS	NUMBER B 198-0-1
		PRINTED CIRCUIT REV.		A	

REVISIONS		DATE
CHK	CHG NO.	REV.

DRN	DATE
M. Hallin	6-18-64
CHK'D	DATE
M. Hallin	6/18/64
ENG'D	DATE
M. Hallin	6-18-64
PROD	DATE

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UNLESS OTHERWISE INDICATED:
TRANSISTORS ARE 2N4258
DIODES ARE D662
RESISTORS ARE 1/4 W, 5%

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

REV.	CHG NO.		REV.	CHG NO.		REV.	CHG NO.		REV.	CHG NO.	
	B	6149		C	6295		D	6448		E	F
CHK	6149		REV.	6295		REV.	6448		REV.		

DRN.	I. HAHN	DATE	3-19-65
CHK'D	N. PERRYMAN	DATE	3-31-65
ENG.	TOM HUGHES	DATE	
PROD.		DATE	

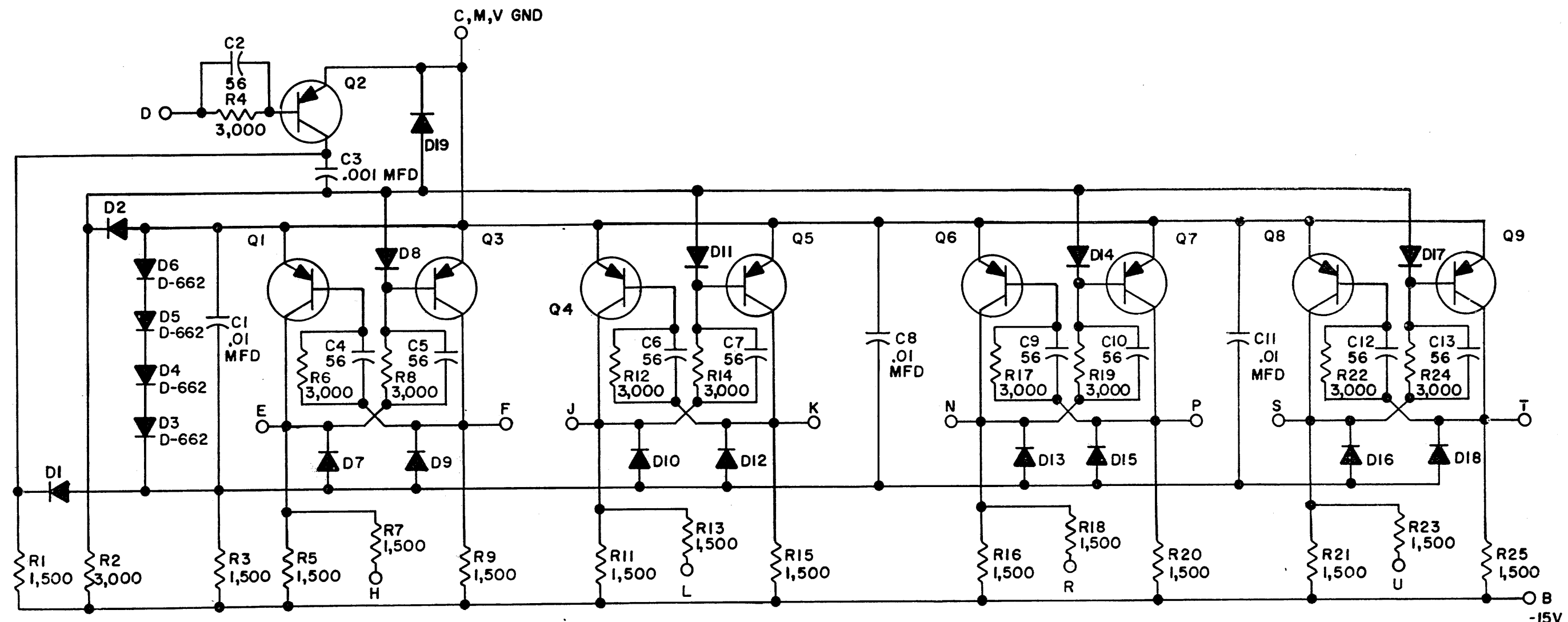
TRANSISTOR & DIODE CONVERSION CHART			
DEC		EIA	
2N4258		SAME	
DEC3009B		2N3009	
D662		1N645	
D664		1N3606	

digital
EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS

TITLE FLIP-FLOP B211			
SIZE B	CODE CS	NUMBER B211-0-1	REV. H
PRINTED CIRCUIT REV.			E

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REV. B
NUMBER B204-0-1
SIZE CODE B CS



UNLESS OTHERWISE INDICATED:
RESISTORS ARE 1/4W; 5%
DIODES ARE D-664
CAPACITORS ARE MMFD
TRANSISTORS ARE DEC2894-1B

REV	CHG	NO.	REV.
1	1	1	1
2	2	2	2
3	3	3	3
4	4	4	4
5	5	5	5
6	6	6	6
7	7	7	7
8	8	8	8
9	9	9	9
10	10	10	10

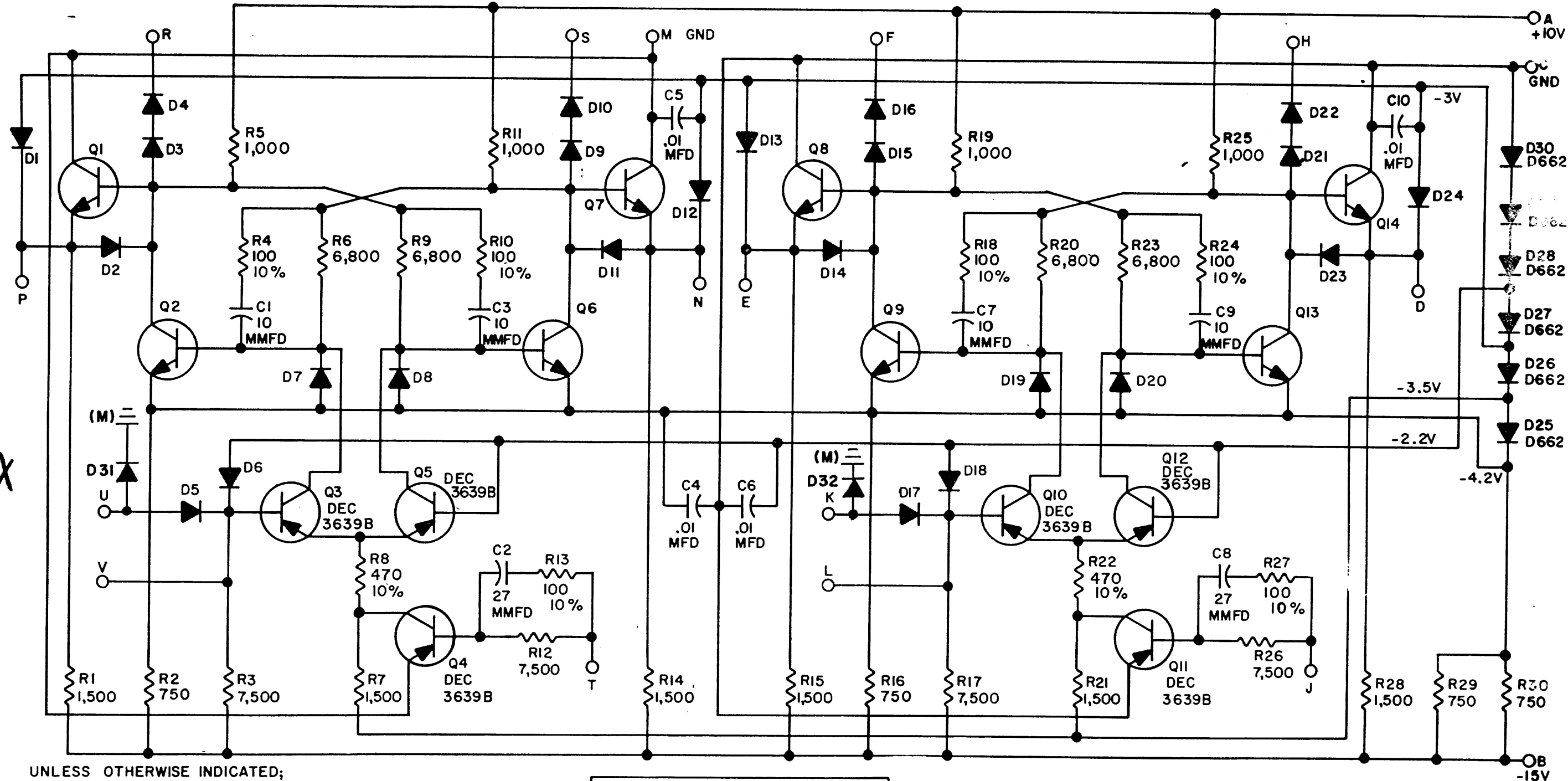
DRN.	A. OUELLETTE	DATE	6-10-64
CHK'D	N. PERRYMAN	DATE	6-12-64
ENG.	R. DOANE	DATE	6-12-64
PROD.		DATE	

TRANSISTOR & DIODE CONVERSION CHART			
DEC	EIA	DEC	EIA
DEC2894-1B	NONE		
D664	IN3606		
D662	IN645		

digital
EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS

TITLE FOUR FLIP-FLOPS B204			
SIZE B	CODE CS	NUMBER B204-0-1	REV. B
PRINTED CIRCUIT REV. B			

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UNLESS OTHERWISE INDICATED;
RESISTORS ARE 1/4W; 5%
DIODES ARE D664.
TRANSISTORS ARE DEC3009B

REVISIONS	CHK	CHG	NO.	REV.
A	5453			
B	5825			
C	6187			
D	6488			
E				
F	6564			

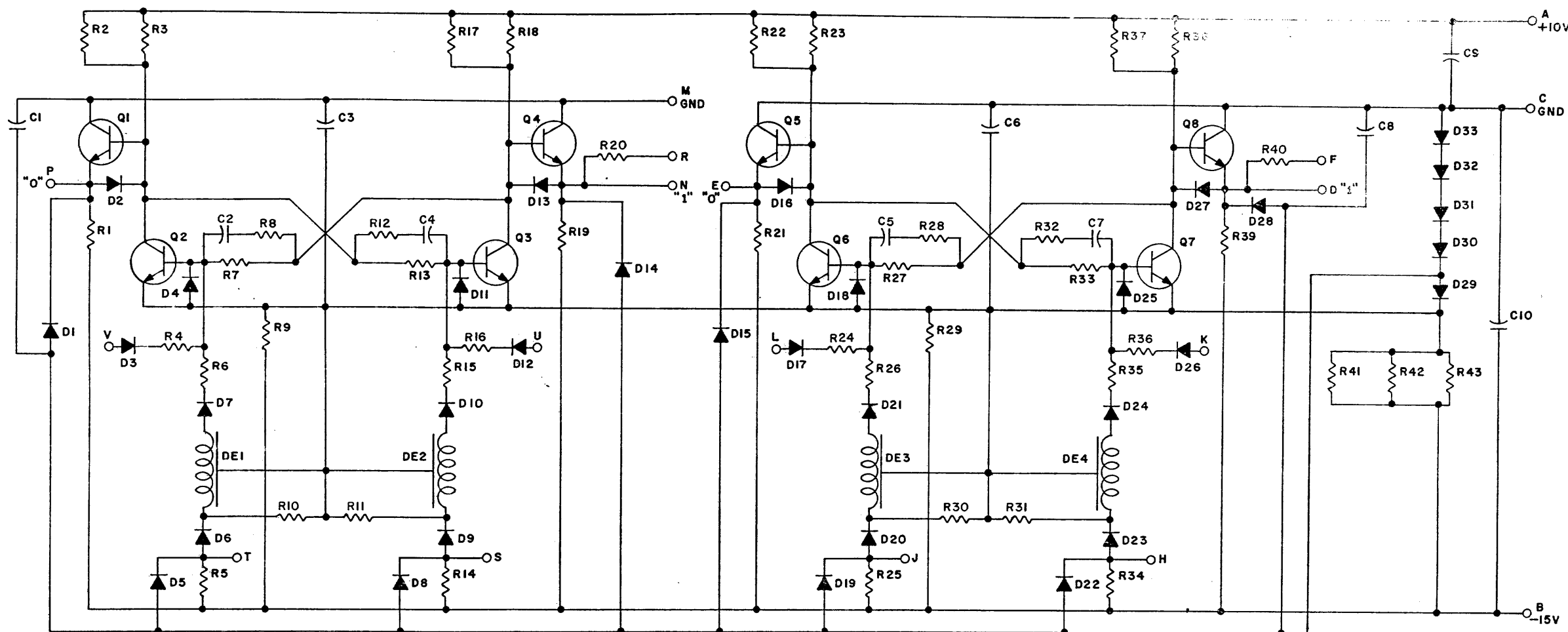
DRN.	A. OUELLETTE	DATE	2-7-66
CHK'D	R. SILVERMAN	DATE	2-10-66
ENG.	R. SOGGE	DATE	2-9-66
PROD.		DATE	

TRANSISTOR & DIODE CONVERSION CHART			
DEC	EIA	DEC	EIA
DEC3009B	2N3009		
DEC3639B	2N3639		
D662	1N645		
D664	1N3606		

digital
EQUIPMENT
CORPORATION
MAYNARD, MASSACHUSETTS

TITLE			
JAM FLIP-FLOP B213			
SIZE	CODE	NUMBER	REV.
B	CS	B213-0-1	F
PRINTED CIRCUIT REV.			C

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



Q1 THRU Q8	TRANSISTOR DEC3009B-S	1503100
DE1 THRU DE4	DEL. LINE TECHNITROL 30ns FIXED	1605528
R9, R29, R41, R42, R43	RES. 910 1/4W 5% CC	1305374
R10, R11, R30, R31	RES. 560 1/4W 5% CC	1301890
R7, R13, R27, R33	RES. 4.7K 1/4W 5% CC	1300447
R6, R15, R8, R12, R26, R28, R32, R35	RES. 100 1/4W 10% CC	1300231
R5, R14, R25, R34	RES. 7.5K 1/4W 5% CC	1301422
R4, R16, R24, R36	RES. 390 1/4W 5% CC	1300309
R2, R3, R17, R18, R22, R23, R37, R38	RES. 2K 1/4W 5% CC	1302388
R1, R19, R20, R21, R39, R40	RES. 1.5K 1/4W 5% CC	1300391
D3, D7, D10, D12, D17, D21, D24, D26	DIODE FD777	1103041
D29 THRU D33	DIODE D662	1100113
D18-D20, D22, D23, D25, D27, D28	DIODE D664	1100114
D1, D2, D4-D6, D8, D9, D11, D13-D16,		
C2, C4, C5, C7	CAP. 15MMF 100V 5% D.M.	1000007
C1, C3, C6, C8, C9, C10	CAP. .01MFD 100V 20% DISC	1001610
PARTS LIST		A-PL-B212-O-O
REFERENCE DESIGNATION	DESCRIPTION	PART NO.

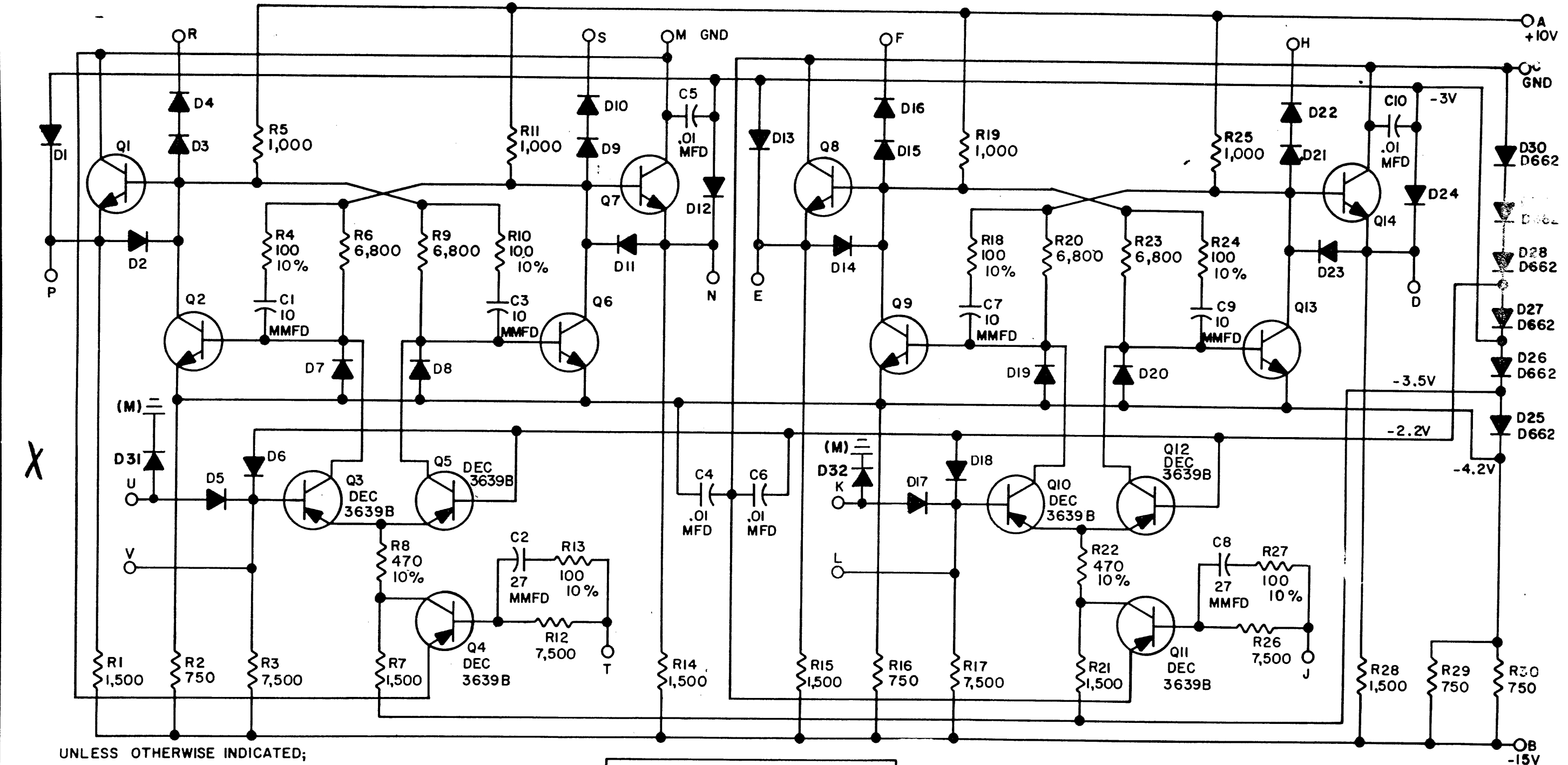
REVISIONS	CHK	CHG	NO.	REV.
1	6028	A	1	1
2	6028	B	1	1
3	6028	C	1	1
4	6028	D	1	1

DRN.	DATE
M. Hall	11-20-66
CHK'D	DATE
P. Hall	11/20/66
ENG.	DATE
R. Hall	11/30/66
PROD.	DATE

TRANSISTOR & DIODE CONVERSION CHART			
DEC	EIA	DEC	EIA
DEC3009B	2N3009		
D662	1N645		
D664	1N3606		
FD777	SAME		

digital			TITLE			
EQUIPMENT CORPORATION			DUAL R-S FLIP-FLOP B212			
MAYNARD, MASSACHUSETTS		SIZE	CODE	NUMBER		REV
		C	CS	B212-O-1		D
PRINTED CIRCUIT REV.				C		

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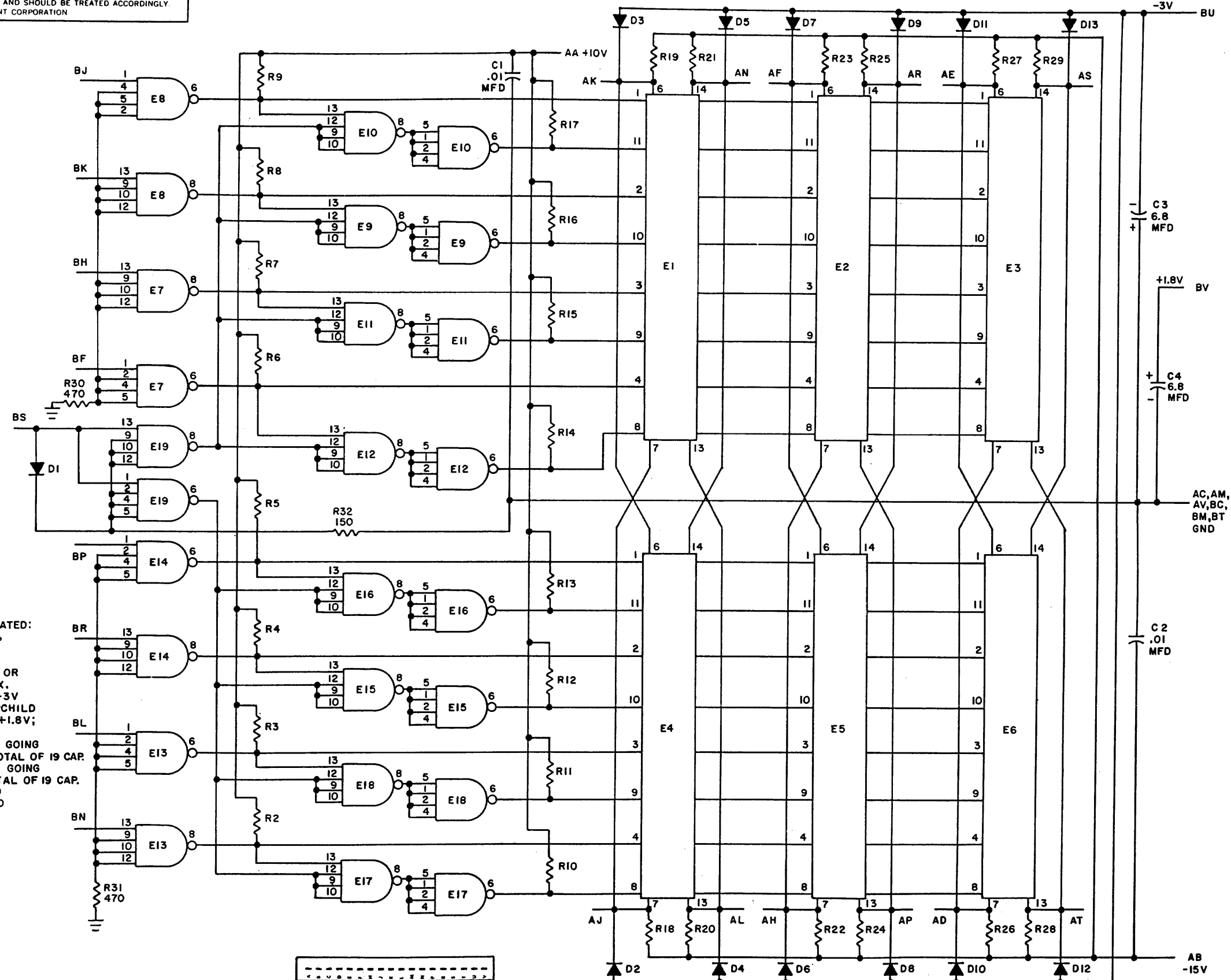
UNLESS OTHERWISE INDICATED;
RESISTORS ARE 1/4W; 5%
DIODES ARE D664.
TRANSISTORS ARE DEC3009B

REVISIONS						DRN.		DATE		TRANSISTOR & DIODE CONVERSION CHART				TITLE	
CHK	CHG	NO.	REV.	A	B	A.OUELLETTE		2-7-66		DEC	EIA	DEC	EIA	JAM FLIP-FLOP B213	
REV.	5453					CHK'D		DATE		DEC3009B	2N3009			SIZE	CODE
5825						R. SILVERMAN		2-10-66		DEC3639B	2N3639			B	CS
6187						ENG.		DATE		D662	1N645			NUMBER	REV.
6488						R. SOGGE		2-9-66		D664	1N3606			B213-0-1	F
6564						PROD.		DATE						PRINTED CIRCUIT REV.	
														C	

SIZE CODE	NUMBER	REV
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UNLESS OTHERWISE INDICATED:
RESISTORS ARE 1/4W, 5%
DIODES ARE D664
E7 THRU E19 ARE TEXAS
INSTRUMENT SN7440N OR
FAIRCHILD U6A900959X.
PIN 14 = +1.8V; PIN 7 = -3V
E1 THRU E6 ARE FAIRCHILD
U6A903059X. PIN 12 = +1.8V;
PIN 5 = -3V
ONE .01MFD ON EACH IC GOING
FROM +1.8V TO GND. TOTAL OF 19 CAP.
ONE .01MFD ON EACH IC GOING
FROM -3V TO GND. TOTAL OF 19 CAP.
R2 THRU R17 ARE 6,800
R18 THRU R29 ARE 3,900

REV.	CHK	NO.	REV.
1	1	1	1

DEC FORM NO.
DRC 102

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

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

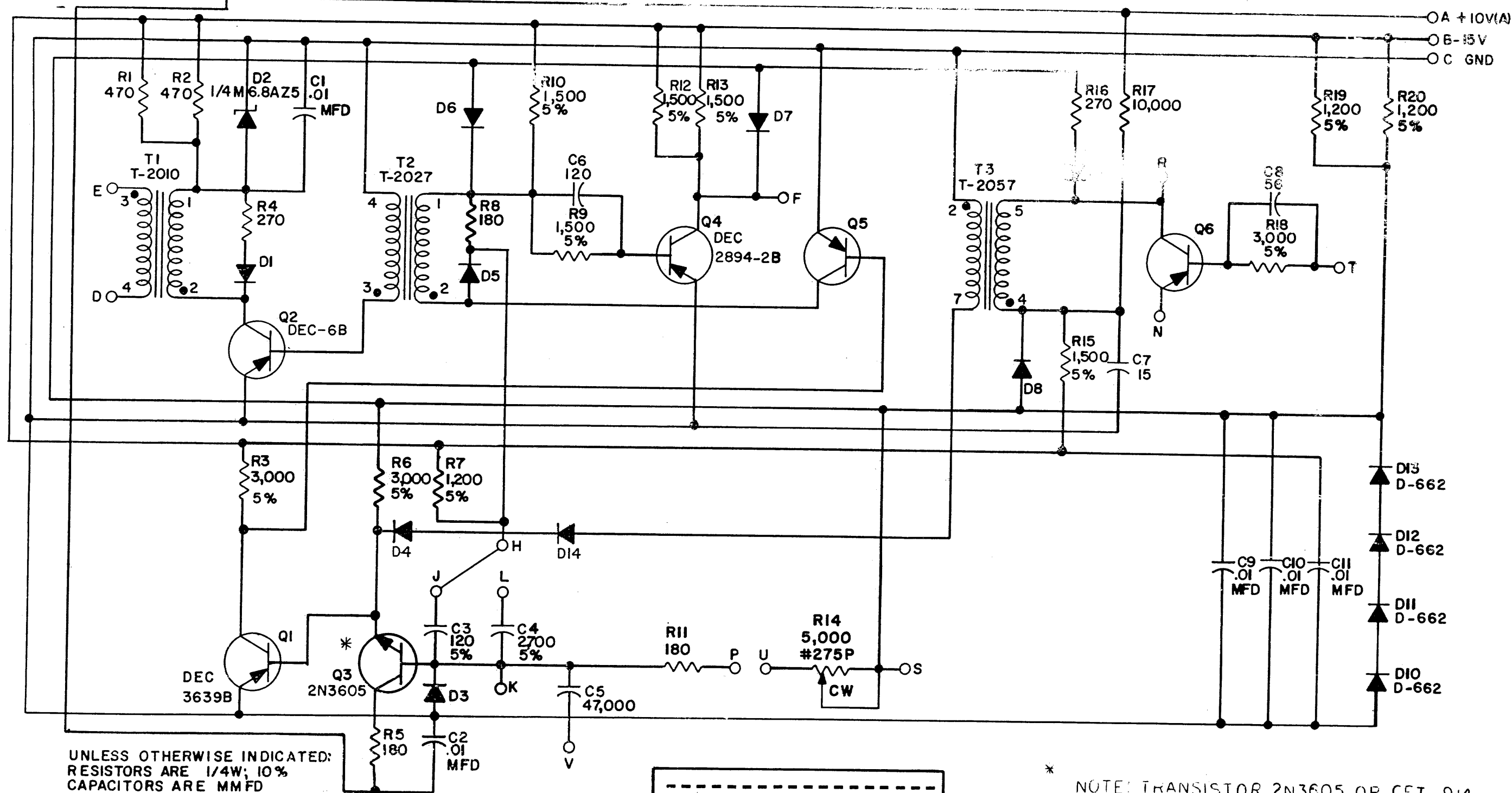
digital
EQUIPMENT
CORPORATION
MAYNARD, MASSACHUSETTS

TITLE FM MODULE B250			
SIZE	CODE	NUMBER	REV.
C	CS	B250-0-1	D
PRINTED CIRCUIT REV.			CD

REV. D
NUMBER
B250-0-1
CS

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REV NUMBER SIZE CODE



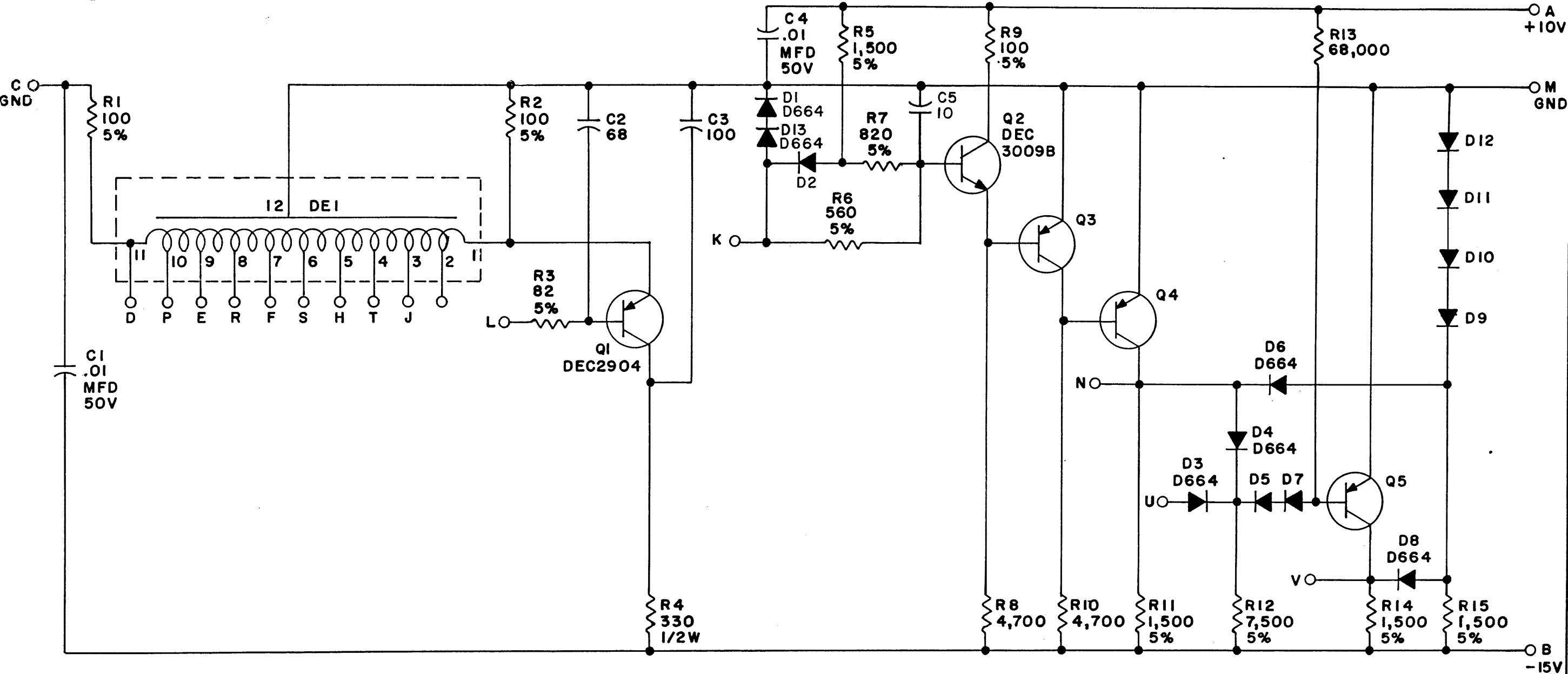
UNLESS OTHERWISE INDICATED:
RESISTORS ARE 1/4W; 10%
CAPACITORS ARE MMFD
TRANSISTORS ARE DEC2894-1B
DIODES ARE D-664

PARTS LIST A-PL-B301-0-0

NOTE: TRANSISTOR 2N3605 OR CET 914

REVISIONS						DRN.		DATE		TRANSISTOR & DIODE CONVERSION CHART				TITLE	
CHK	CHG	NO.	REV.	DATE	REV.	PAUL TELLIER	6-16-64	DEC	EIA	DEC	EIA	digital	ONE SHOT DELAY B301		
DAW	5147	B	REV. 8 REDR.	5433	F	CHK'D	N. PERRYMAN	6-23-64	DEC2894-1B	NONE	1/4M6.8AZ5	IN4099	SIZE	B	
DAW	5433	F	REV. 8 REDR.	5898	H	ENG.	E. CHEVRIER	6-23-64	DEC2894-2B	NONE	D-662	IN645	CODE	CS	
DAW	5898	H	REV. 8 REDR.	7106	J	PROD.			DEC-6B	NONE	D-664	IN3606	NUMBER	B301-0-1	
DAW	7106	J	REV. 8 REDR.	7141	K				2N3605	SAME			PRINTED CIRCUIT REV.	D	
DAW	7141	K	REV. 8 REDR.	00001					DEC 3639B	NONE					

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UNLESS OTHERWISE INDICATED:
 RESISTORS ARE 1/4 W, 10%
 CAPACITORS ARE MMFD
 DIODES ARE D662
 TRANSISTORS ARE DEC3639B
 DEI IS A DEC 16-05529 DELAY
 LINE WITH 25NS TAPS OR EQUIVALENT
 PARTS LIST A-PL-B311-0-0

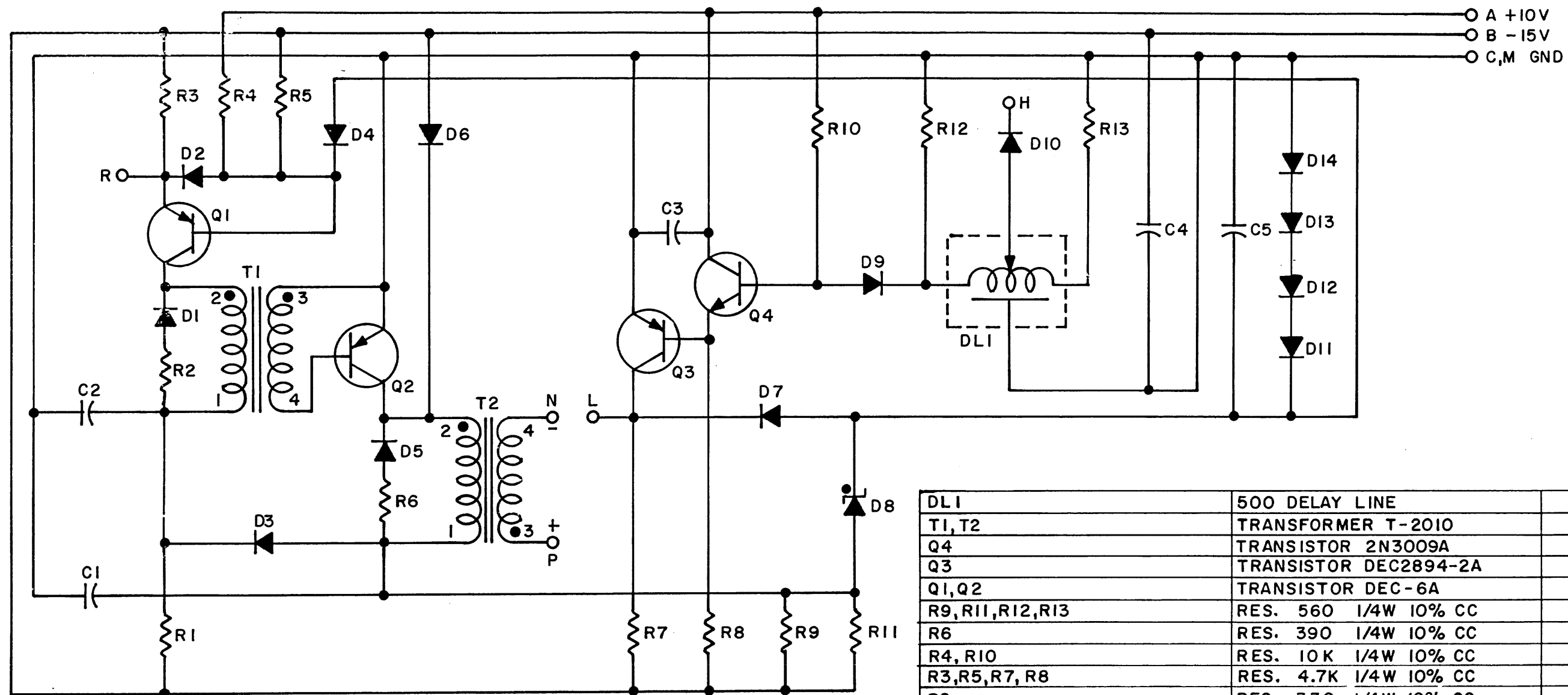
REVISIONS	CHK	CHG NO.	REV.	A	B	DRN.	M. Haller	DATE	12-24-66	TRANSISTOR & DIODE CONVERSION CHART				digital	EQUIPMENT CORPORATION	MAYNARD, MASSACHUSETTS	TITLE	TAPPED DELAY LINE B311
	CHK'D	DATE	DEC							EIA	DEC	EIA						
	ENG.	DATE	DEC							EIA	DEC	EIA						
	PROD.	DATE	DEC							EIA	DEC	EIA						
6211	6932																	

SIZE CODE	NUMBER	REV.
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REV. D
NUMBER B360-0-1
SIZE CODE B
CS



DL1	500 DELAY LINE	1602167
T1, T2	TRANSFORMER T-2010	5200648
Q4	TRANSISTOR 2N3009A	1501999
Q3	TRANSISTOR DEC2894-2A	1501955
Q1, Q2	TRANSISTOR DEC-6A	1509090-00
R9, R11, R12, R13	RES. 560 1/4W 10% CC	1300340
R6	RES. 390 1/4W 10% CC	1300310
R4, R10	RES. 10K 1/4W 10% CC	1300481
R3, R5, R7, R8	RES. 4.7K 1/4W 10% CC	1300448
R2	RES. 330 1/4W 10% CC	1300293
R1	RES. 1.5K 1/4W 5% CC	1300391
D8	DIODE IN750A 4.7V 5%	1100124
D9, D11-D14	DIODE D662	1100113
D1-D7, D10	DIODE D664	1100114
C1, C3-C5	CAP. .01MFD 100V 20% DISC	1001610
C2	CAP. 15MMF 100V 5% D.M.	1000007
PARTS LIST		A-PL-B360-0-0
REFERENCE DESIGNATION		DESCRIPTION
PARTS LIST		PART NO.

REVISIONS	CHK	CHG NO.	REV.
DAW	5040	2	
REV 6 REDR.	7049	D	

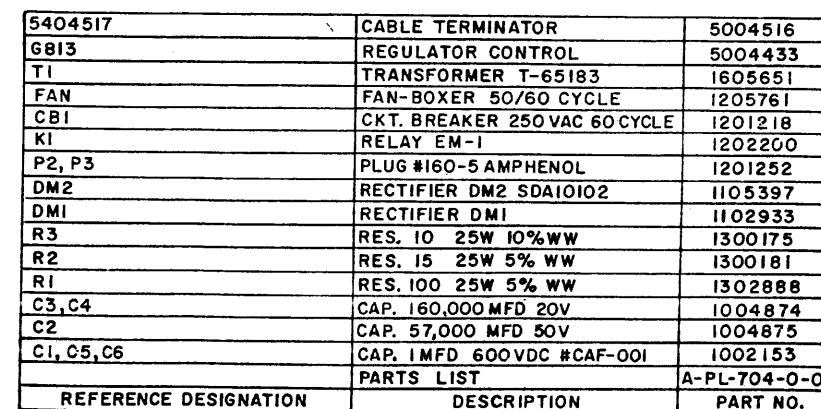
DRN.	H.W. PORTER	DATE	5-14-64
CHK'D	N. PERRYMAN	DATE	5-18-64
ENG.	R. DOANE	DATE	5-18-64
PROD.		DATE	

TRANSISTOR & DIODE CONVERSION CHART			
DEC	EIA	DEC	EIA
D662	IN645	DEC-6A	NONE
D664	IN3606		
IN750A	SAME		
DEC2894-2A	NONE		
2N3009A	2N3009		

digital
EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS

TITLE DELAY WITH PULSE AMPLIFIER B360			
SIZE	CODE	NUMBER	REV.
B	CS	B360-0-1	D
PRINTED CIRCUIT REV.			D

INPUT VOLTAGE	JUMPERS	LINE CONNECTIONS
100V 50 Ω	12-9; 10-11	9-10
115V 50 Ω	9-13; 8-10	9-10
200V 50 Ω	11-12	9-10
215V 50 Ω	8-12	9-10
230V 50 Ω	8-13	9-10
120V 60 Ω	9-12; 10-11	9-10
240V 60 Ω	11-12	9-10
115V AUTO TAP	50 Ω USAGE	8-9
120V AUTO TAP	60 Ω USAGE	9-11



REVISIONS	
CHK	CHG NO. REV.
Paul	6822 A
one	704 B 00001
one	704A C 00001

DRN. M. Haller	DATE 11-3-67
CHK'D J. Schmeier	DATE 11/6/67
ENG. N. Sange	DATE 11-7-67
PROD.	DATE

[illegible]

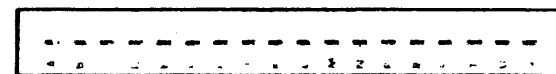
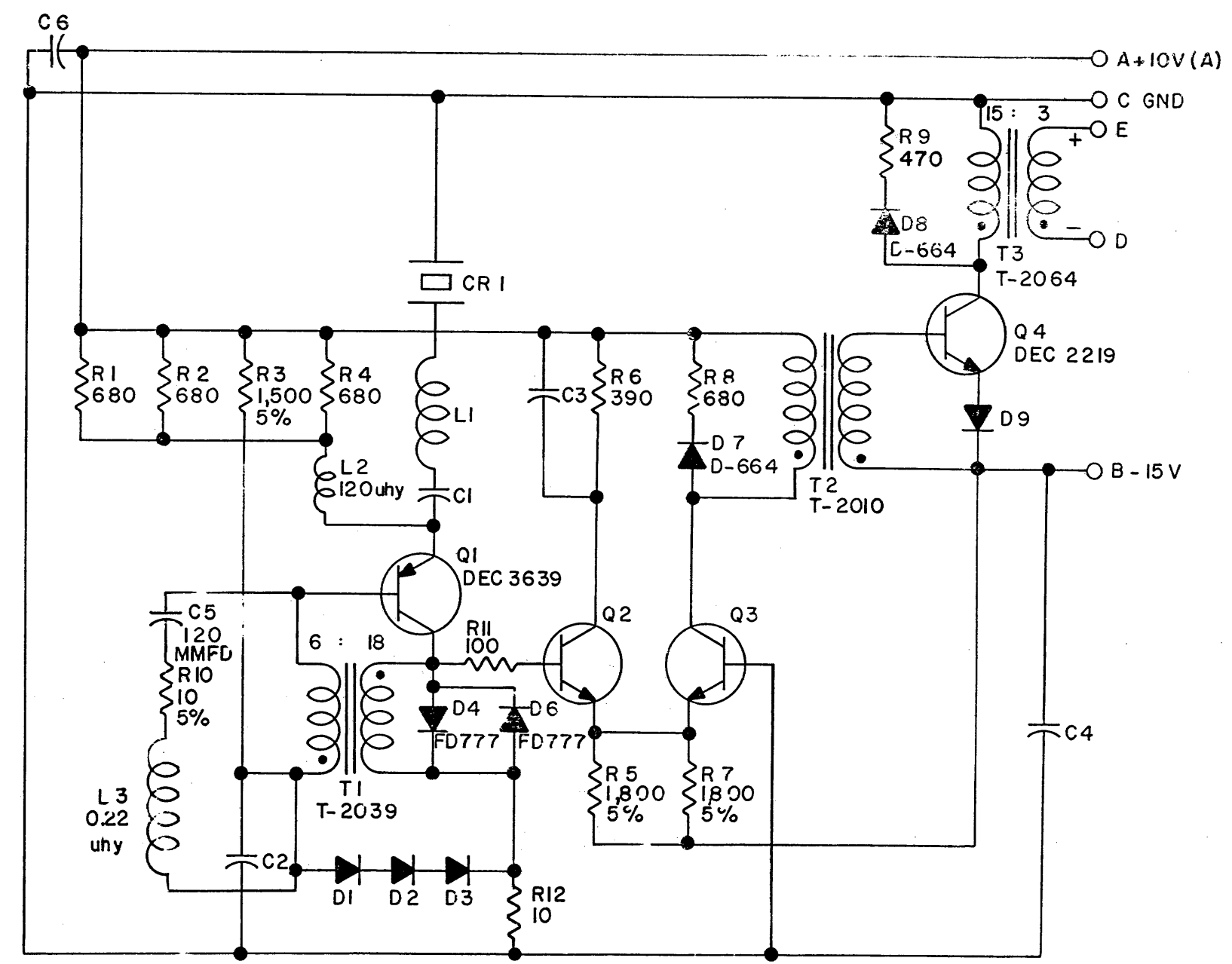
digital
EQUIPMENT
CORPORATION
MAYNARD, MASS 01948

TITLE					PDP-8 I POWER SUPPLY 704				
SIZE	CODE	NUMBER				REV.			
C	CS	704-0-1				C			
PRINTED CIRCUIT REV.									

CS-B-B 405-2

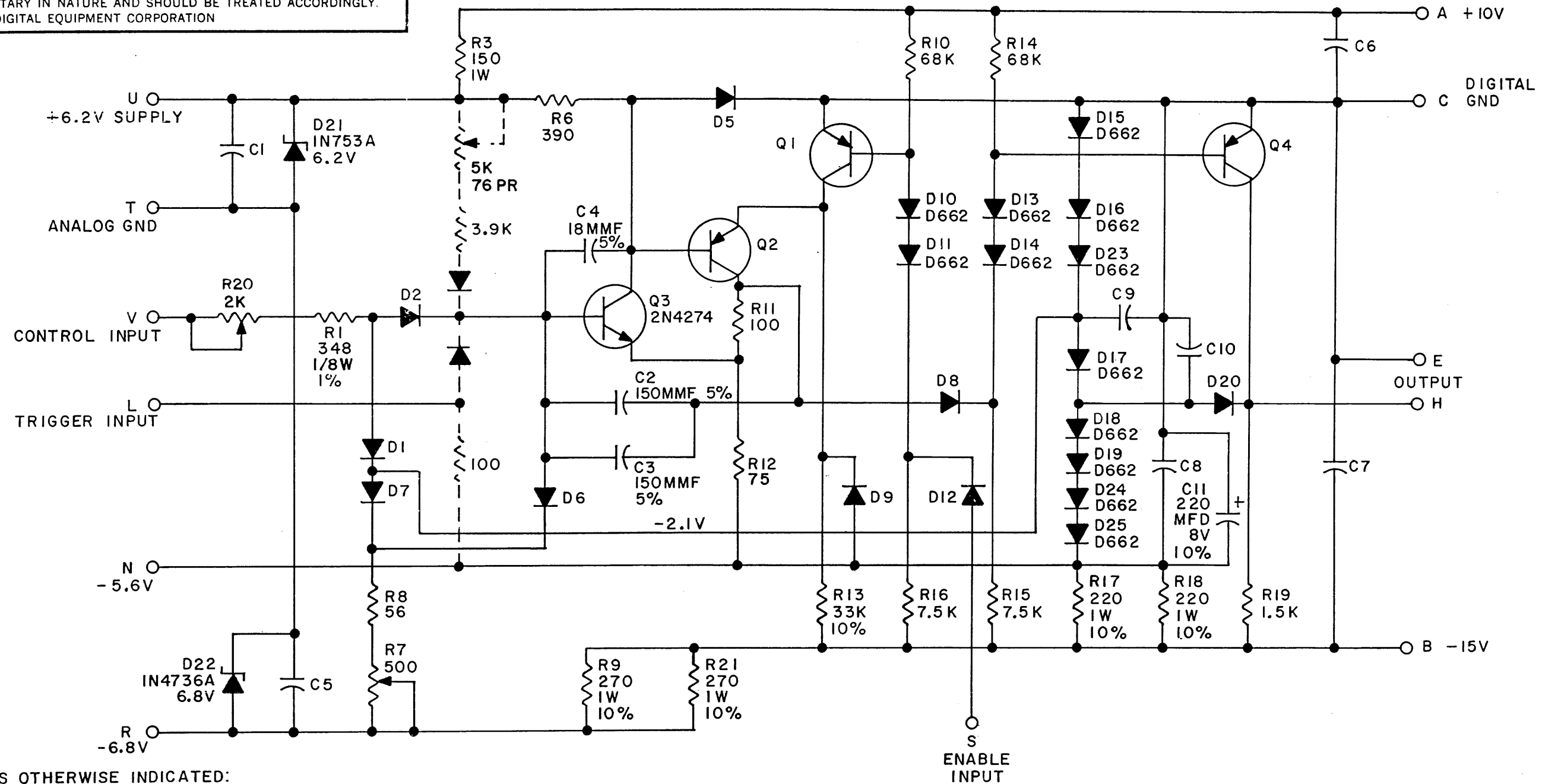
FREQUENCY	L I	CI (APPROX)
8.2 - 10 Mc	3.3 uhy ESSEX VIH	56 MMFD
6.7 - 8.2 Mc		120 MMFD
5.5 - 6.7 Mc		220 MMFD
4.5 - 5.5 Mc		270 MMFD
3.7 - 4.5 Mc	10 uhy ESSEX VIH	150 MMFD
3.0 - 3.7 Mc		220 MMFD
2.45 - 3.0 Mc		330 MMFD
2.0 - 2.45 Mc		560 MMFD

UNLESS OTHERWISE INDICATED:
 TRANSISTORS ARE DEC 3009
 CAPACITORS ARE .01 MFD
 RESISTORS ARE 1/4W, 10%
 DIODES ARE D-662
 CHOKES L1, L2 ARE DECI-DUCTORS



5079-2		4831-1	ECO. NO.	DRAFTSMAN I. HAHN DATE 7-28-65	CHECKER R. Sullivan DATE 8/1/65	digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS	CODE	DWG. NO.	REV.
			ENG.	ENGINEER R. Doane 8/5/65 DATE	PRODUCTION DATE		CS	B-B 405	2
						TITLE CRYSTAL CLOCK B405			

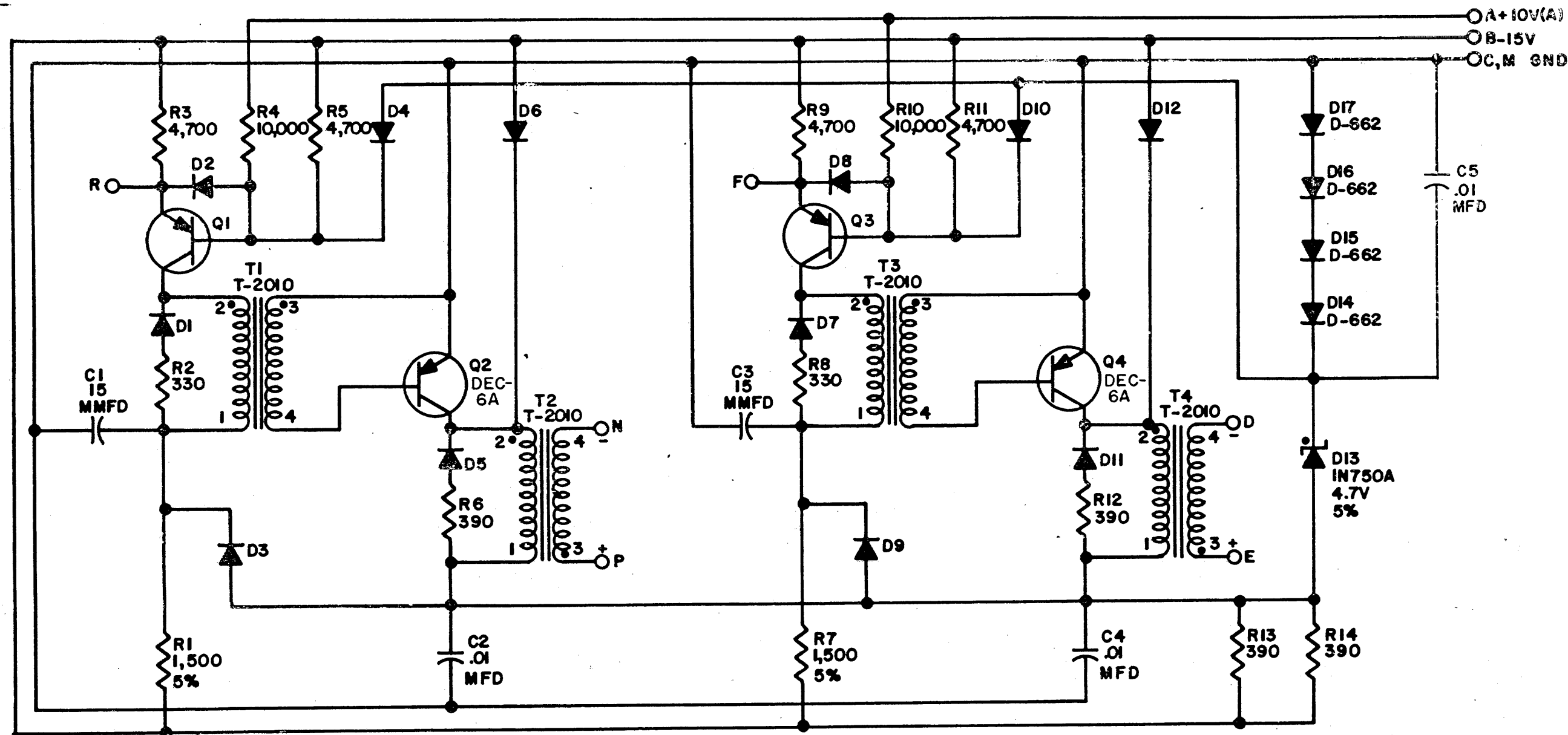
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UNLESS OTHERWISE INDICATED:
 RESISTORS ARE 1/4W, 5%
 DIODES ARE D664
 TRANSISTORS ARE DEC4258
 DOTTED COMPONENTS ARE OPTIONAL
 CAPACITORS ARE .01 MFD, 100V, 20%
 R7, R20 ARE 76PR HELITRIM POT, 3/4W, 10%

REVISIONS CHK CHG NO. REV. C D 417 00001 00002				DRN. <i>M. Haller</i> DATE 7-11-69 CHK'D <i>C. W. S. 50</i> DATE 9/11/69 ENG. <i>C. W. S. 50</i> PROD. <i>C. W. S. 50</i>		TRANSISTOR & DIODE CONVERSION CHART <table border="1"> <tr> <th>DEC</th> <th>EIA</th> <th>DEC</th> <th>EIA</th> </tr> <tr> <td>D662</td> <td>IN645</td> <td>DEC4258</td> <td>2N4258</td> </tr> <tr> <td>D664</td> <td>IN3606</td> <td>2N4274</td> <td>SAME</td> </tr> <tr> <td>IN753A</td> <td>SAME</td> <td></td> <td></td> </tr> <tr> <td>IN4736A</td> <td>SAME</td> <td></td> <td></td> </tr> </table>				DEC	EIA	DEC	EIA	D662	IN645	DEC4258	2N4258	D664	IN3606	2N4274	SAME	IN753A	SAME			IN4736A	SAME			digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS		TITLE VFO CLOCK B410			
DEC	EIA	DEC	EIA																																
D662	IN645	DEC4258	2N4258																																
D664	IN3606	2N4274	SAME																																
IN753A	SAME																																		
IN4736A	SAME																																		
SIZE B		CODE CS		NUMBER B410-0-1		REV. D																													
PRINTED CIRCUIT REV. D																																			

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UNLESS OTHERWISE INDICATED:
RESISTORS ARE 1/4W; 10%
TRANSISTORS ARE DEC-6A
DIODES ARE D-662

PARTS LIST A-PL-B602-0-0

REVISIONS	CHK	CHG NO.	REV.
B			
C			
D			

DRN. H. PORTER	DATE 5-14-64
CHK'D N. PERRYMAN	DATE 5-18-64
ENG. R. DOANE	DATE 5-18-64
PROD.	DATE

TRANSISTOR & DIODE CONVERSION CHART			
DEC	EIA	DEC	EIA
DEC-6A	NONE		
D662	IN645		
D664	IN3606		
IN750A	SAME		
DEC-6A	NONE		

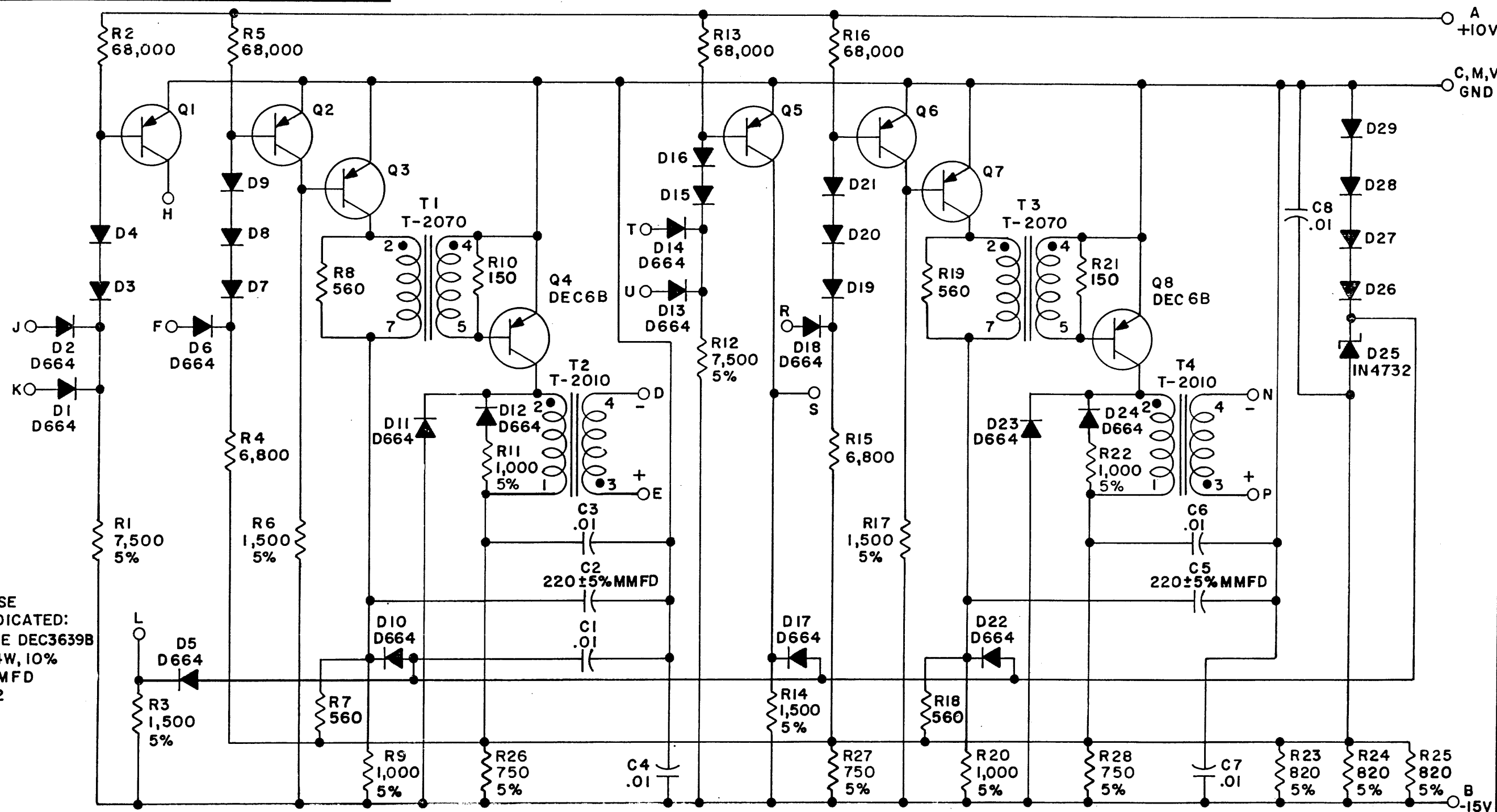
digital
EQUIPMENT
CORPORATION
MAYNARD, MASSACHUSETTS

TITLE
10 Mc
PULSE AMPLIFIER B602

SIZE	CODE	NUMBER	REV.
B	CS	B602-0-1	D
PRINTED CIRCUIT REV.			

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REV. E
NUMBER B611-0-1
SIZE CODE B CS



UNLESS OTHERWISE INDICATED:
TRANSISTORS ARE DEC3639B
RESISTORS ARE 1/4W, 10%
CAPACITORS ARE MFD
DIODES ARE D662

PARTS LIST A-PL-B611-0-0

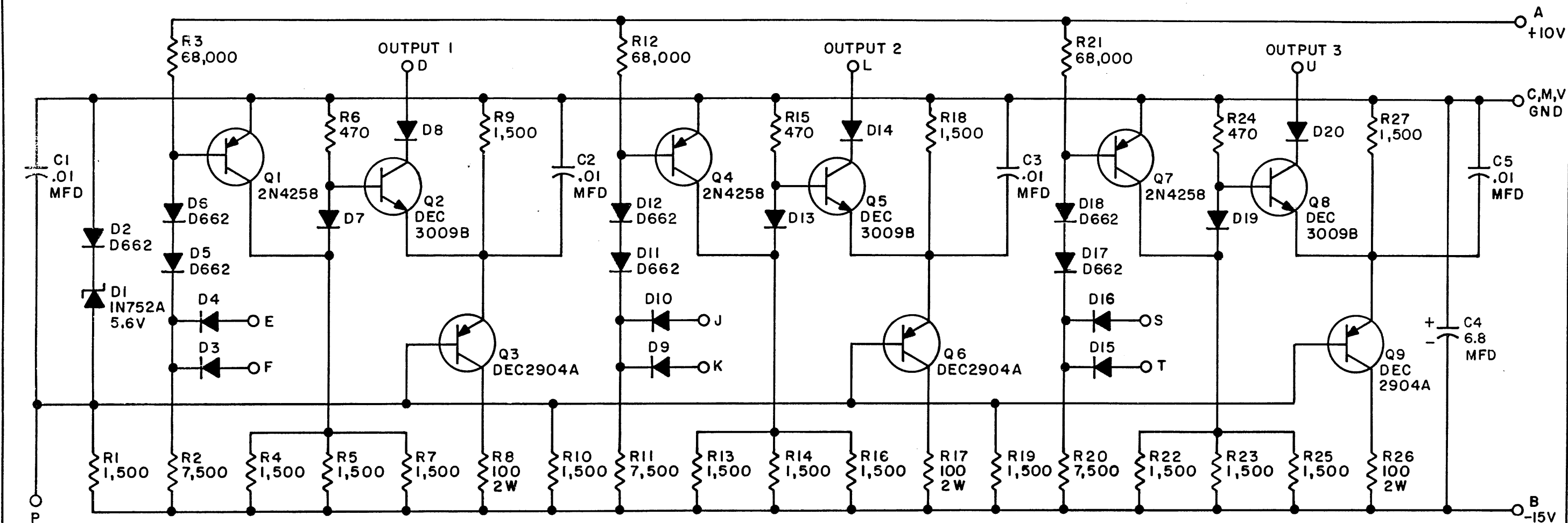
REVISIONS					DRN.		DATE		TRANSISTOR & DIODE CONVERSION CHART				TITLE	
CHK	CHG NO.	REV.	B	C	CHK'D				DEC	EIA	DEC	EIA	SIZE	CODE
6137									DEC3639B	NONE			B	CS
									DEC-6B	NONE				
									D662	IN645				
									D664	IN3606				
									IN4732	SAME				
					ENG.		DATE						NUMBER	
					PROD.		DATE						REV.	
													E	
													PRINTED CIRCUIT REV.	
													B	

SIZE CODE	NUMBER	REV	▲
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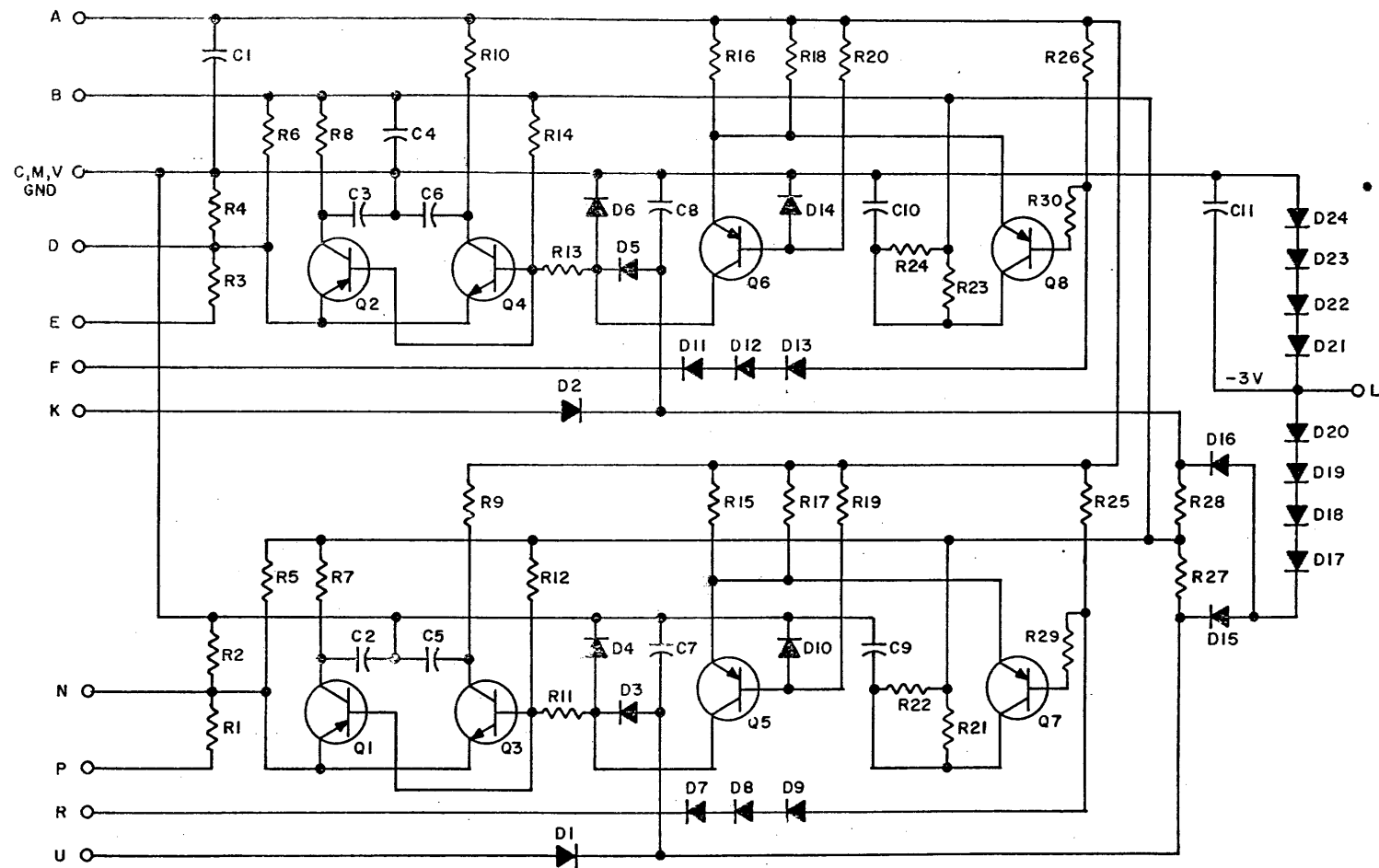


UNLESS OTHERWISE INDICATED:
RESISTORS ARE 1/4W; 5%
DIODES ARE D664



REVISIONS				DRN. <i>M. Haller</i> DATE <i>3-14-67</i>		TRANSISTOR & DIODE CONVERSION CHART				TITLE	
CHK	CHG NO.	REV.		CHK'D	DATE	DEC	EIA	DEC	FIA	50Ω OR BUS DRIVER B683	
	6214	A				2N4258	2N4258	IN752A 5.6V	SAME		
	MM	00001	B			DEC3009B	2N3009				
	MM	00002	C			DEC2904A	2N1132				
				ENG. <i>R. W. Haller</i> DATE <i>3/24/67</i>	DATE						
				PROD. <i>S</i> DATE							
								digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS			
								SIZE B CODE CS NUMBER B683-0-1 REV C			
								PRINTED CIRCUIT REV C			

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R29, R30	RES. 47 1/4W 10% CC	I300204
Q7, Q8	TRANSISTOR DEC-6A	I509090-00
Q5, Q6	TRANSISTOR DEC-6B	I509090-01
Q3, Q4	TRANSISTOR DEC2219	I501881
Q1, Q2	TRANSISTOR DEC2904	I501742
R25, R26	RES. 100K 1/4W 10% CC	I300534
R21-R24	RES. 560 1/4W 10% CC	I300340
R19, R20	RES. 12K 1/4W 10% CC	I300490
R15-R18	RES. 750 1/4W 5% CC	I301401
R11, R13	RES. 15 1/4W 10% CC	I301421
R9, R10	RES. 150 2W 10% CC	I300258
R7, R8	RES. 100 2W 10% CC	I300233
R5, R6, R12, R14, R27, R28	RES. 1.5K 1/4W 5% CC	I300391
R2, R4	RES. 220 1/4W 5% CC	I300271
R1, R3	RES. 82 1/4W 10% CC	I300224
D3-D6, D15, D16	DIODE D664	I100114
D1, D2, D7-D14, D17-D24	DIODE D662	I100113
C9, C10	CAP. 56MMF 100V 5% D.M.	I000012
C1-C8, C11	CAP. .01MFD 100V 20% DISC	I001610
PARTS LIST		A-PL-B684-0-0
REFERENCE DESIGNATION	DESCRIPTION	PART NO.

REVISIONS	CHK'D	NO.	REV.
1	DAW	5113	7
2	REV	5 RED	J
3	REV	7047	K
4	REV	10001	K

DEC FORM NO. DRC 102

DRN. A. OUELLETTE
CHK'D N. PERRYMAN
ENG. R. DOANE
PROD.

DATE 7-2-64
DATE 7-2-64
DATE 7-2-64
DATE

TRANSISTOR & DIODE CONVERSION CHART			
DEC	EIA	DEC	EIA
DEC-6A	NONE	D662	IN845
DEC-6B	NONE	D664	IN3606
DEC2219	2N2219		
DEC2904	2N1132		

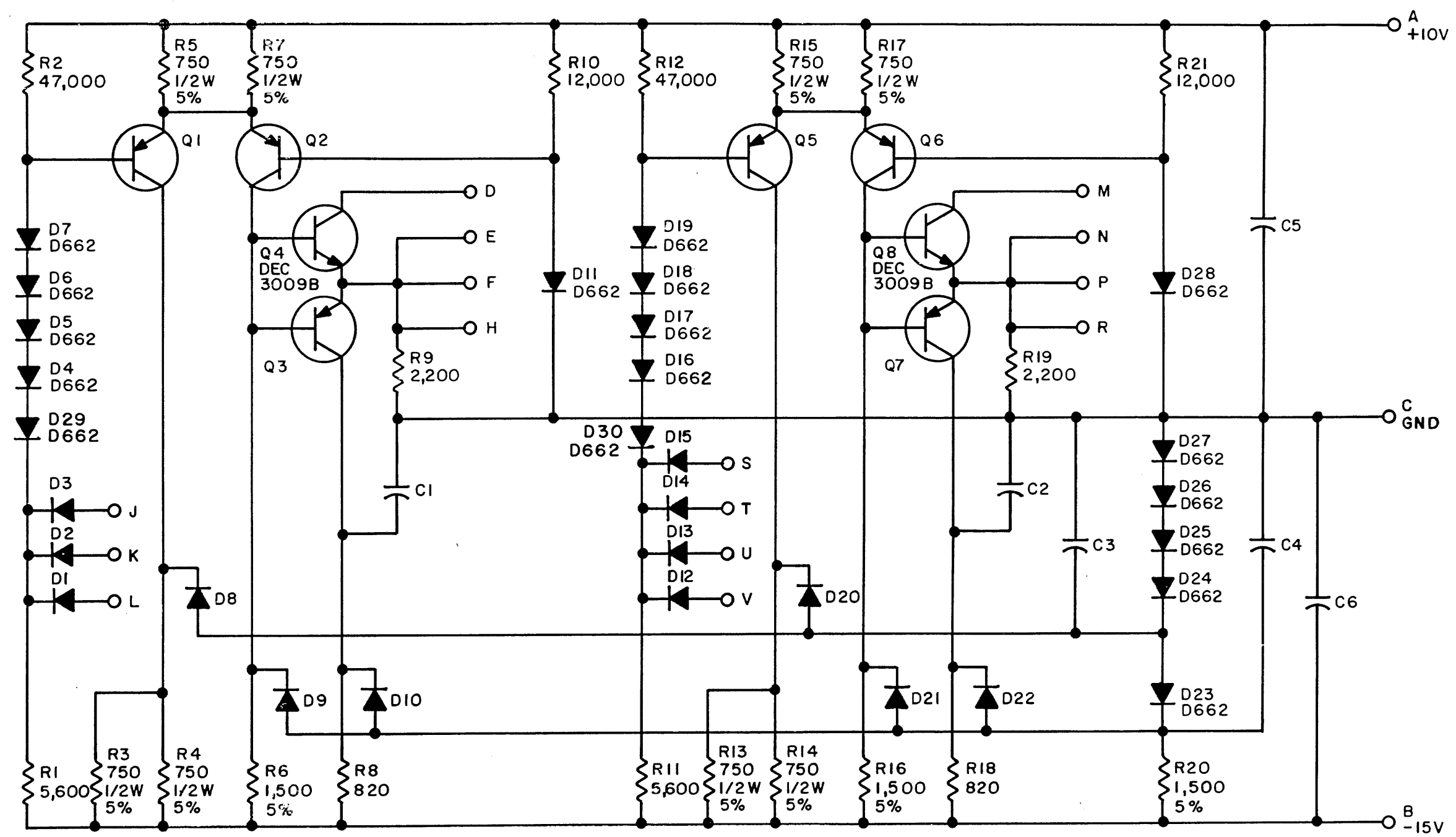
digital
EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS

TITLE TWO BUS DRIVERS B684			
SIZE C	CODE CS	NUMBER B684-0-1	REV. K
PRINTED CIRCUIT REV. J			

REV. K
NUMBER B684-0-1
SIZE CODE C

DIST 301 474 431 PINK

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UNLESS OTHERWISE INDICATED:
TRANSISTORS ARE 2N4258
RESISTORS ARE 1/4W, 10%
DIODES ARE D664
CAPACITORS ARE .01 MFD

PARTS LIST A-PL-B685-0-0

REVISIONS	CHK	CHG	NO.	REV.	C
			7116		
DRN. <i>m. Haller</i> DATE <i>5-21-67</i>					
CHK'D DATE					
ENG. <i>D. Haller</i> DATE <i>5-24-67</i>					
PROD. 2 DATE					
TRANSISTOR & DIODE CONVERSION CHART					
DEC		EIA			
DEC3009B		2N3009			
2N4258		SAME			
D662		IN645			
D664		IN3606			
digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS					
TITLE: DIODE GATE DRIVER B685					
SIZE	CODE	NUMBER			REV.
B	CS	B685-0-1			C
PRINTED CIRCUIT REV. B					

100% 24/7 435/300 PINK

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M9700 JUMPER FUNCTIONS

FUNCTIONS OF MODEM JUMPERS WHEN INSTALLED

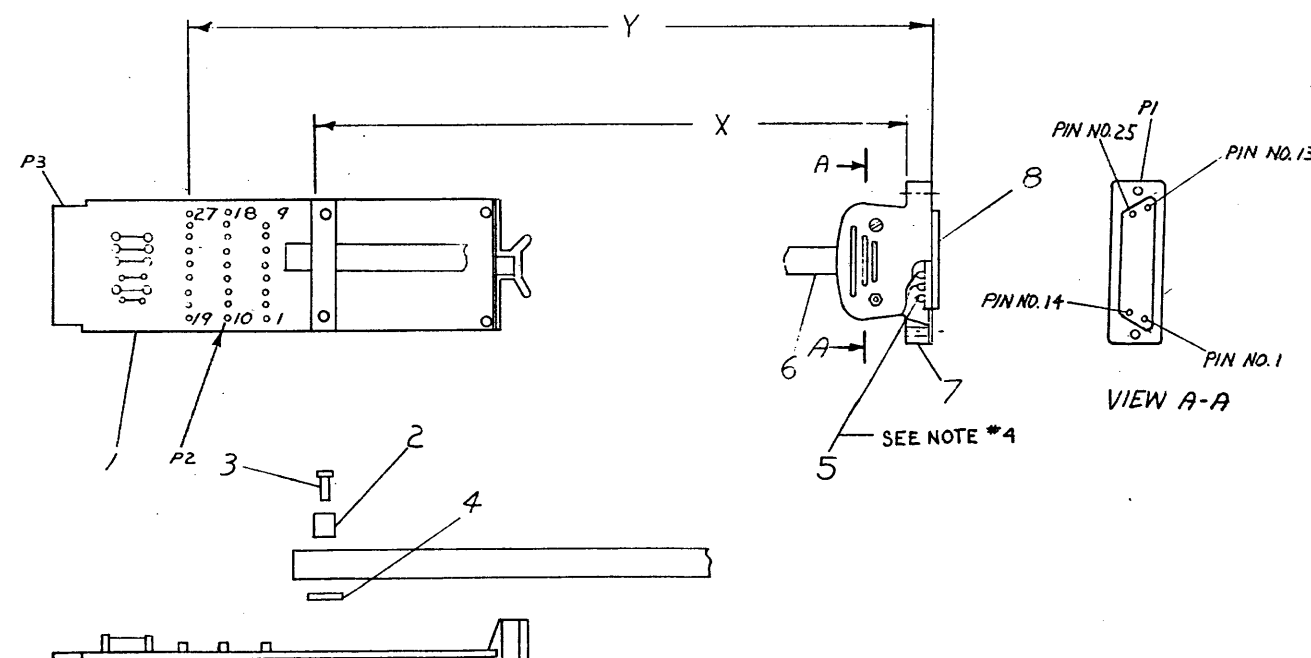
- A. EIA-SECONDARY TRANSMIT AND RECEIVE DATA LINES TO EIA PINS 14 AND 16
- B. 202-SECONDARY TRANSMIT AND RECEIVE DATA LINES TO EIA PINS 11-12
- C. 811-BELL 811B RESTRAINT FUNCTION IS MONITORED BY SECONDARY RECEIVE
- D. BUSY-BELL 103E FORCE BUSY FUNCTION DRIVEN BY REQUEST TO SEND

LEGEND		
NUMBER	VARIATION	
	DIM-X	DIM-Y
BOIR-25	25" ± 3"	25" ± 3"
BOIR-50	50" ± 2%	50" ± 3"

BCOIR WIRE TABLE					
NUMBER	COLOR	PI-PIN	P2-PLUG	SIGNAL NAME	P3-PIN
BLU-WHT	1	6	GROUND		
WHT-BLU	2	1	TRANSMIT DATA		
ORN-WHT	3	2	RECEIVED DATA		
WHT-ORN	4	24	REQUEST TO SEND		
GRN-WHT	5	14	CLEAR TO SEND		
WHT-GRN	6	26	DATA SET READY		
BRN-WHT	7	7	GROUND		
WHT-BRN	8	18	CARRIER		
SLA-WHT	9	15	+POWER (NOT USED)		
WHT-SLA	10	16	-POWER (NOT USED)		
RED-RED	11	12	BELL 202 SEC. TRANS. DATA		
BLU-BLU	12	21	BELL 202 SEC. RECV. DATA		
ORN-RED	13	11	SEC. CLEAR TO SEND		
SLA-RED	14	20	EIA SECONDARY TRANS. DATA		
SLA-GRN	15	3	SERIAL CLOCK TRAN.		
RED-BRN	16	23	EIA SECONDARY RECV. DATA		
SLA	17	22	SERIAL CLOCK RECV.		
RED-SLA	18	17	UNASSIGNED NOT USED		
BLU-BLK	19	12	SECONDARY REQUEST TO SEND		
BLK-BLU	20	7	DATA TERMINAL READY		
ORN-BLK	21	13	SIGNAL QUALITY DETECT		
SLK-ORN	22	25	RING		
GRN-BLK	23	8	SIGNAL RATE SELECT		
BRN-RED	24	10	EXTERNAL CLOCK		
RED-ORN	25	27	FORCE BUSY		
SPECIAL					
SHIELD A	CUT	4	SHIELD A (GROUND)		
SHIELD B	CUT	5	SHIELD B (GROUND)		

- NOTES:
- IF USED FOR FOLLOWING OPTIONS CUT ALL JUMPER EXCEPT (DC11, DP11, DM11-DB, DS10, DQ11 AND DS11)
(2) 202 JUMPERS

- DN11-(2) EIA JUMPERS DM11-DC/DM11-BB(2) 202 AND (1) EIA JUMPERS. FOR OTHER APPLICATIONS REFER TO CHART ON LEFT FOR M9700 JUMPER FUNCTIONS.
- CIRCLED LETTERS ON RIGHT OF WIRE TABLE INDICATE THOSE PINS WHICH ARE DEPENDENT ON M9700 JUMPER FUNCTIONS AT LEFT.
- * 811 JUMPER CONNECTS J2 TO F1
- SOLDER #6 (CABLE) TO #1 (CONN. CARD), APPLY #4 (TAPE) AROUND #6 (CABLE), ASSEMBLE #2 (CABLE CLAMP) AND #3 (EYELETS) TO #1 (CONN. CARD) AFTER SOLDERING
- EACH SOLDERED CONNECTION ON F1 SHALL BE INSULATED WITH A 1/8 INCH PIECE OF ITEM #5 (TUBING)
- PI-15 AND PI-17 ARE SHIELDED LEADS



1	CONN PLUG*DB25-P	120588 6	3
1	HOOD,CINCH*DB51226-1	120588 5	7
AIR	CABLE,25 CONDUCTOR	910773 6	6
AIR	SHRINKABLE TUBING	910725 5	5
AIR	TAPE,DOUBLE SIDED 1/2"	900783 4	4
2	EYELET A-94	900674 1	3
1	CLAMP,CABLE	1202790-01	2
1	M9700 CABLE CONNECTOR	M9700	1

FIRST USED ON OPTION/MODEL		QTY.	DESCRIPTION	PART NO.	ITEM NO.
PDP 11					
UNLESS OTHERWISE SPECIFIED DIMENSIONS IN INCHES		PARTS LIST			
TOLERANCES		digital EQUIPMENT CORPORATION			
DECIMALS	ANGLES	TITLE			
.XXX = .005	±0° 30'	CABLE CARD ASSY (R. DR)			
.XX = .02		SCALE			
.X = .1		SHEET OF 1			
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY Y		NEXT HIGHER ASSY.			
MATERIAL		A+L-DC11-DA-0			
FINISH		SIZE CODE NUMBER REV.			
		DUA BCOIR-0-0 E			

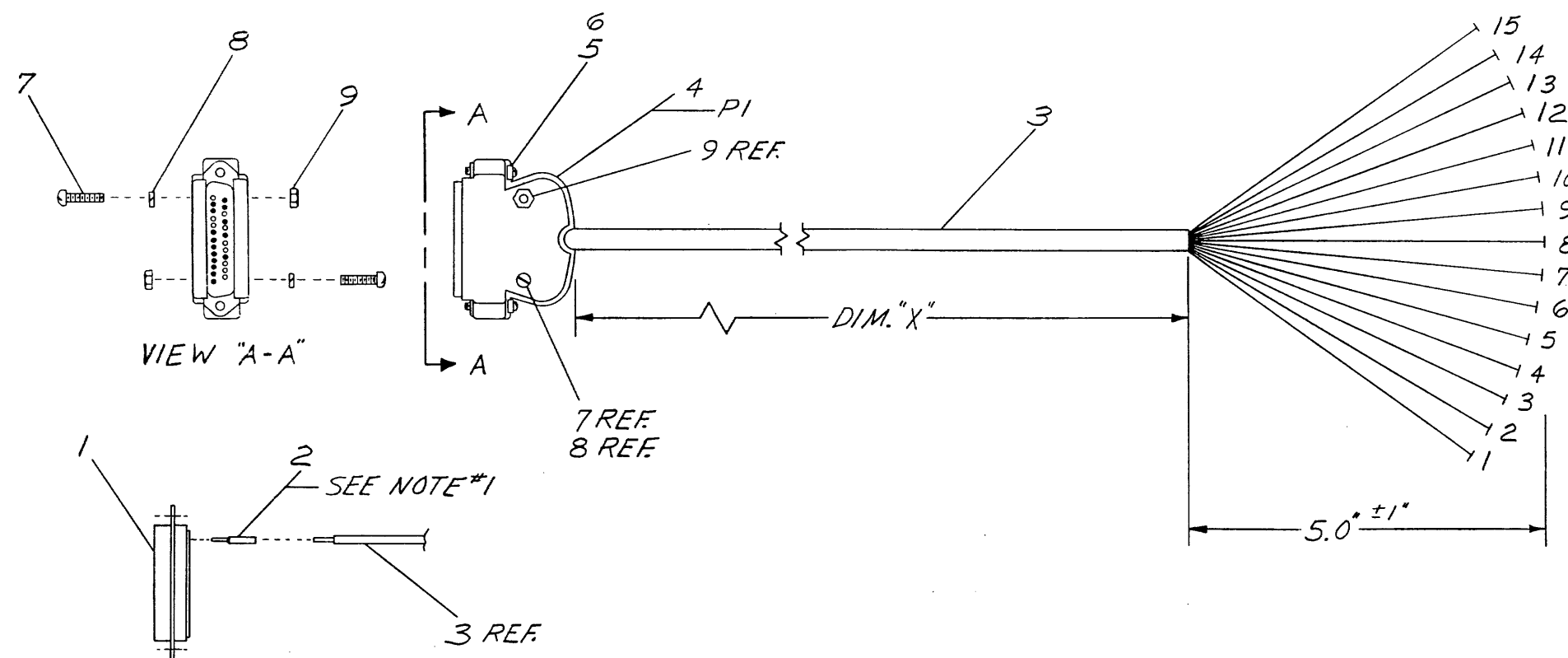
REV	CHANGE NO.	DATE
1	BOIR-00073	10-12-73
2	BOIR-00073	10-16-73
3	BOIR-00073	10-16-73
4	BOIR-00073	10-16-73
5	BOIR-00073	10-16-73
6	BOIR-00073	10-16-73
7	BOIR-00073	10-16-73
8	BOIR-00073	10-16-73
9	BOIR-00073	10-16-73
10	BOIR-00073	10-16-73
11	BOIR-00073	10-16-73
12	BOIR-00073	10-16-73
13	BOIR-00073	10-16-73
14	BOIR-00073	10-16-73
15	BOIR-00073	10-16-73
16	BOIR-00073	10-16-73
17	BOIR-00073	10-16-73
18	BOIR-00073	10-16-73
19	BOIR-00073	10-16-73
20	BOIR-00073	10-16-73
21	BOIR-00073	10-16-73
22	BOIR-00073	10-16-73
23	BOIR-00073	10-16-73
24	BOIR-00073	10-16-73
25	BOIR-00073	10-16-73
26	BOIR-00073	10-16-73
27	BOIR-00073	10-16-73
28	BOIR-00073	10-16-73
29	BOIR-00073	10-16-73
30	BOIR-00073	10-16-73
31	BOIR-00073	10-16-73
32	BOIR-00073	10-16-73
33	BOIR-00073	10-16-73
34	BOIR-00073	10-16-73
35	BOIR-00073	10-16-73
36	BOIR-00073	10-16-73
37	BOIR-00073	10-16-73
38	BOIR-00073	10-16-73
39	BOIR-00073	10-16-73
40	BOIR-00073	10-16-73
41	BOIR-00073	10-16-73
42	BOIR-00073	10-16-73
43	BOIR-00073	10-16-73
44	BOIR-00073	10-16-73
45	BOIR-00073	10-16-73
46	BOIR-00073	10-16-73
47	BOIR-00073	10-16-73
48	BOIR-00073	10-16-73
49	BOIR-00073	10-16-73
50	BOIR-00073	10-16-73

ITEM NO	DESCRIPTION	FROM CONNECTION	TO CONNECTION	SIGNAL NAME	EIA RS-232 CKT.	CCITT V. 24 CKT.
3	22	BLK	PI-1	1	PROTECTIVE GROUND	AA 101
▲	▲	BLU/BLK	PI-2	2	TRANSMITTED DATA	BA 103
		RED	PI-3	3	RECEIVED DATA	BB 104
		GRN	PI-4	4	REQUEST TO SEND	CA 105
		ORN	PI-5	5	CLEAR TO SEND	CB 106
		BLU	PI-6	6	DATA SET READY	CC 107
		WHT	PI-7	7	SIGNAL GROUND	AB 102
		RED/WHT	PI-8	8	CARRIER DETECTED	CF 109
		GRN/WHT	PI-20	9	DATA TERMINAL READY	CD 108/2
		BLU/WHT	PI-22	10	RINGING INDICATOR	CE 125
		RED/BLK	PI-17	11	RESTRAINT DETECTED	— —
		GRN/BLK	PI-24	12	EOT DETECTED	— —
		ORN/BLK	PI-25	13	MAKE BUSY	— —
▼	▼	BLK/WHT	PI-11	14	ORIGINATE MODE	— —
3	22	WHT/BLK	PI-12	15	LOCAL MODE	— —

LEGEND	
PART NO.	VARIATION DIM "X"
BCØ1X-25	25FT. ± 3 IN.

NOTES:

1. USE CRIMPING TOOL MS-3198-1 OR AMPHENOL 357-103 TOOL WITH 357-300-2 CONTACT LOCATION OR EQUIVALENT.
2. ITEMS #1 & 2 MUST BOTH BE FROM THE SAME MANUFACTURER. THAT IS BOTH -ØX OR BOTH -3X.
3. PART NO. 1210493-12, OR 1210493-32 CAN BE SUBSTITUTED FOR BOTH ITEMS #1 & 2.
4. A COPY OF THIS DRAWING MUST BE SHIPPED WITH EACH ORDER OF CABLES.



2	#4-40 HEX NUT	SEE ITEM # 4	
2	#4 SPLIT LOCK WASHER		
2	#4-40X.56LG. CAPHD. SCREW		
2	SHOULDER WASHER SPECIAL		
2	#4-40X.75LG. FIL. HD. SCREW		
1	HOOD & STRAIN RELIEF ASSY.	1205885	4
A/R	15 COND. CABLE 22AWG	9107672	1
15	MALE PIN	1210493-35	2
	MALE PIN	1210493-05	2
1	MALE CONNECTOR SHELL	1210493-31	1
	MALE CONNECTOR SHELL	1210493-01	1

FIRST USED ON OPTION/MODEL		QTY.	DESCRIPTION		PART NO.		PART NO.		ITEM NO.
DC10				PARTS LIST					
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES TOLERANCES		DRN.	DATE	digital EQUIPMENT CORPORATION WATFORD MASSACHUSETTS TITLE CABLE ASSY. (DATA SET)					
		CHK'D	DATE						
DECIMALS	ANGLES	ENG.	DATE						
.XXX + .005 .XX + .02 .X + .1	±0° 30'	PROJ. ENG.	DATE						
		PROD'G	DATE						
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY ✓		NEXT HIGHER ASSY.		SIZE CODE		NUMBER		REV.	
MATERIAL		+ + +		DUA		BCØIX-Ø-Ø		A	
FINISH		SCALE		DIST.					
		SHEET / OF /							

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WIRE TABLE

ITEM NO.	AWG	COLOR	FROM	TO	INSULATION	
			CONNECTION	CONNECTION	ITEM	LENGTH
5	26	BLU/WHT	P1-1	P2-1	4	3/8 IN
		E	P1-1	P2-1	7	1 IN
		GRY	P1-2	P2-2	8	3/16 IN
		GRY/GRN	P1-3	P2-3	8	3/16 IN
		WHT/BLU	P1-4	P2-4	3	3/16 IN
		ORN/WHT	P1-5	P2-5		
		WHT/ORN	P1-6	P2-6		
		GRN/WHT	P1-7	P2-7		
		WHT/GRN	P1-8	P2-8		
		BRN/WHT	P1-9	P2-9		
		WHT/BRN	P1-10	P2-10		
		GRY/WHT	P1-11	P2-11		
		WHT/GRY	P1-12	P2-12		
		BLU/RED	P1-13	P2-13		
		RED/BLU	P1-14	P2-14		
		ORN/RED	P1-15	P2-15		
		RED/ORN	P1-16	P2-16		
		BRN/RED	P1-17	P2-17		
		RED/BRN	P1-18	P2-18		
		GRY/RED	P1-19	P2-19		
		RED/GRY	P1-20	P2-20		
		BLU/BLK	P1-21	P2-21		
		BLK/BLU	P1-22	P2-22		
		ORN/BLK	P1-23	P2-23		
		BLK/ORN	P1-24	P2-24		
5	26	GRN/BLK	P1-25	P2-25	3	3/16 IN

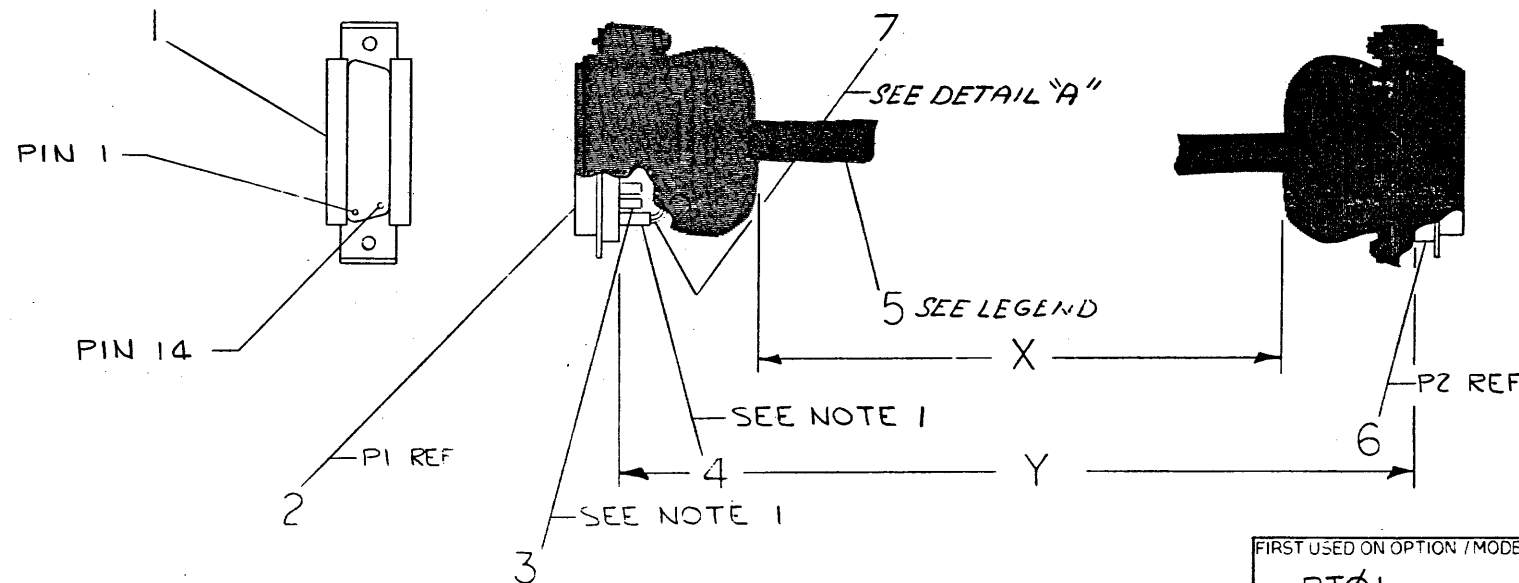
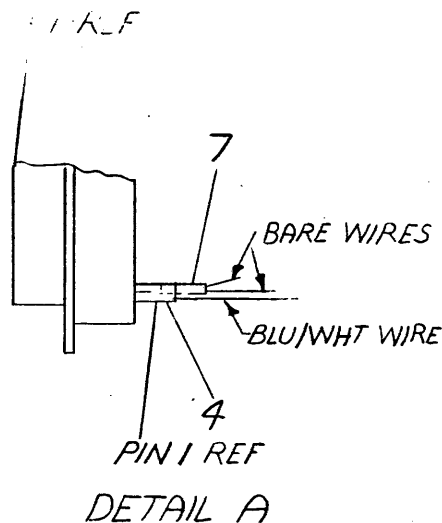
NOTES:

1. ALL SOLDERED PIN CONNECTIONS ON ITEMS #2 AND #6 (TO BE INSULATED PER WIRE TABLE.)

2. SOLDERED CONNECTIONS ON ITEMS #2 AND #6 SHALL BE INSULATED WITH TUBING (#4) SO LG.

LEGEND

NUMBER	X VARIATION	Y (PRECUT) REF
BC05D-10	10 FT ± 2 IN	10 FT 3 IN
BC05D-25	25 FT ± 3 IN	25 FT 3 IN



1 FT TUBING, TEFLON #14 WHT	9107295-09	8
1 FT TUBING, TEFLON #22 BLK	9107256-00	7
1 PLUG, CINCH (FEMALE) DBM-25S	1204975	6
9/16" CABLE, MOHAWK 25 COND.	9107736	5
1 FT TUBING, SHRINKABLE, WHT	9107714-1	4
4 FT TUBING, TEF TYPE 'E', #18 WHT	9107278-10	3
1 PLUG, CINCH (MALE) DP-25P	1205886	2
2 PLUG HOOD, CINCH, DB-51226-1	1205885	1

FIRST USED ON OPTION / MODEL RT01		DRN. W. MAJOR DATE 11/16/71		DATE 11/16/71	
UNLESS OTHERWISE SPECIFIED UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES TOLERANCES DECIMALS FRACTIONS ANGLES ± .005 ± 1/64 ± 0°30' FINAL SURFACE QUALITY REMOVE BURRS AND BREAK SHARP CORNERS		CHK'D. [Signature] DATE 11/16/71		DATE 11/16/71	
MATERIAL + + +		PROJ. ENG. [Signature] DATE 11/16/71		DATE 11/16/71	
FINISH + + +		PROD. [Signature] DATE 11/16/71		DATE 11/16/71	
SCALE NONE		NEXT HIGHER ASSY		NEXT HIGHER ASSY	
SHEET 1 OF 1		DIST.		DIST.	
TITLE ASYNC MODEM INTERF CABLE ECT.		digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS		TITLE	
SIZE CODE C UA		NUMBER BC05D-0-0		REV. B	

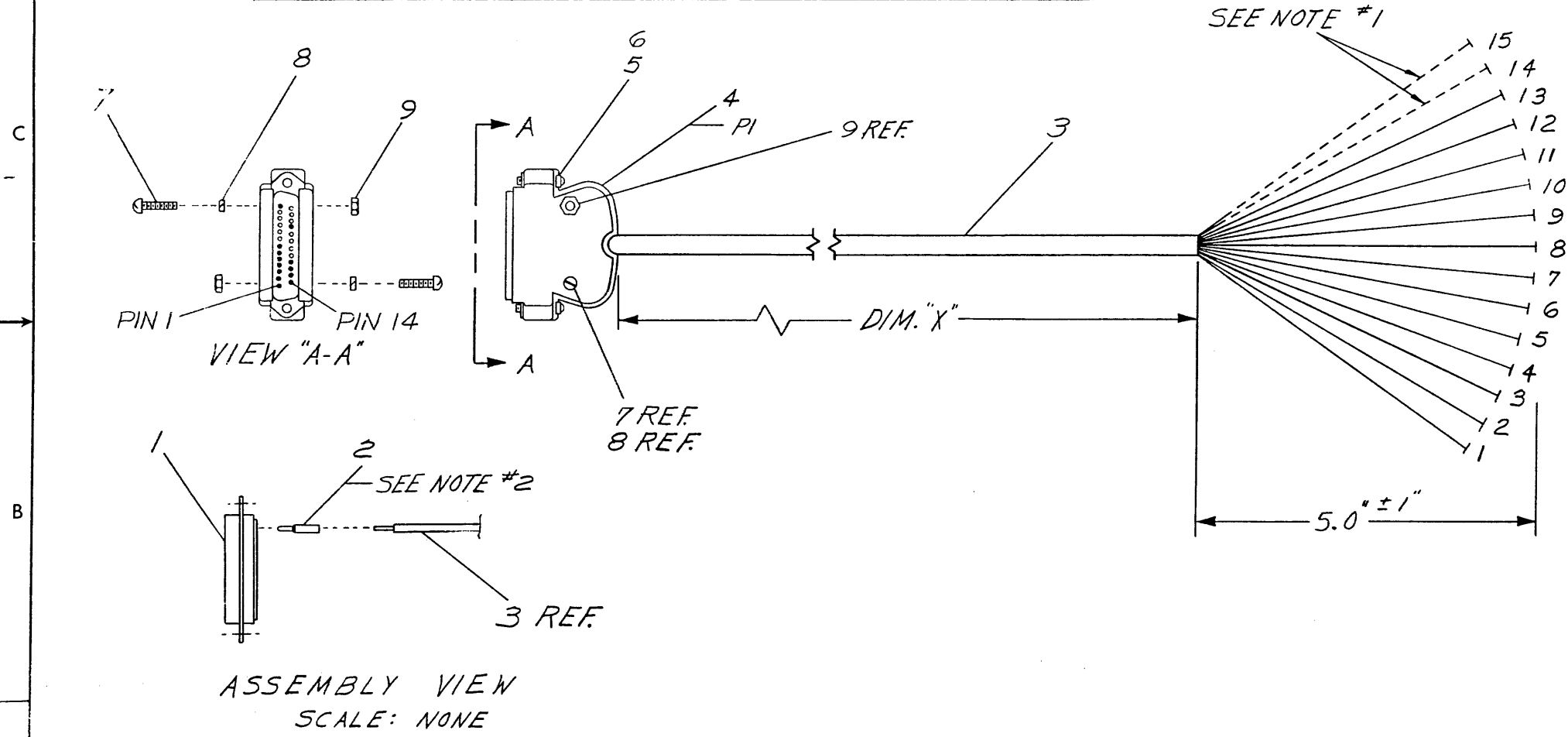
REV.	CHANGE NO.	DATE	BY	CHK.
A	00001	1-31-72	R. MOFFA	
B	00002	2/3/72	R. MOFFA	
C	00003	8-15-74	POULIOT	

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WIRE TABLE						
ITEM NO	DESCRIPTION	FROM	TO	SIGNAL NAME	EIA RS360 CKT.	CCITT V.24 SKT.
3	22 BLK	PI-1	1	PROTECTIVE GROUND	AA	212
	RED/BLK	PI-2	2	DIGIT PRESENT	DPR	211
	GRN/BLK	PI-3	3	ABANDON CALL & RETRY	ACR	205
	WHT/BLK	PI-4	4	CALL REQUEST	CRQ	202
	ORN/BLK	PI-5	5	PRESENT NEXT DIGIT	PND	210
	BLU/BLK	PI-6	6	POWER INDICATION	PWI	213
	WHT	PI-7	7	SIGNAL GROUND	AB	201
	RED/WHT	PI-13	8	DATA SET STATUS	(DPS) 203	204
	BLU	PI-14	9	DIGIT 2 ¹	NB1	206
	ORN	PI-15	10	DIGIT 2 ²	NB2	207
	GRN	PI-16	11	DIGIT 2 ³	NB4	208
	RED	PI-17	12	DIGIT 2 ⁴	NB8	209
	BLK/WHT	PI-22	13	DATA LINE OCCUPIED	DLO	203
	GRN/WHT	SPARE	SPARE			
3	22 BLU/WHT	SPARE	SPARE			

LEGEND	
PART NO.	VARIATION
BC01Y-25	25 FT. ± 3 IN.

- NOTES:
1. CUT OFF UNUSED WIRES BOTH ENDS (WIRE NOS. 14 & 15)
 2. USE CRIMPING TOOL MS-319B-1 OR AMPHENOL 357-100 TOOL WITH 357-300-2 CONTACT LOCATION OR EQUIVALENT.
 3. ITEM #1 & 2 MUST BOTH BE FROM THE SAME MANUFACTURER, THAT IS BOTH -ØX OR BOTH -3X.
 4. PART NO. 1210493-02 OR 1210493-32 CAN BE SUBSTITUTED FOR BOTH ITEMS #1 & 2.
 5. A COPY OF THIS DRAWING MUST BE SHIPPED WITH EACH ORDER OF CABLES.

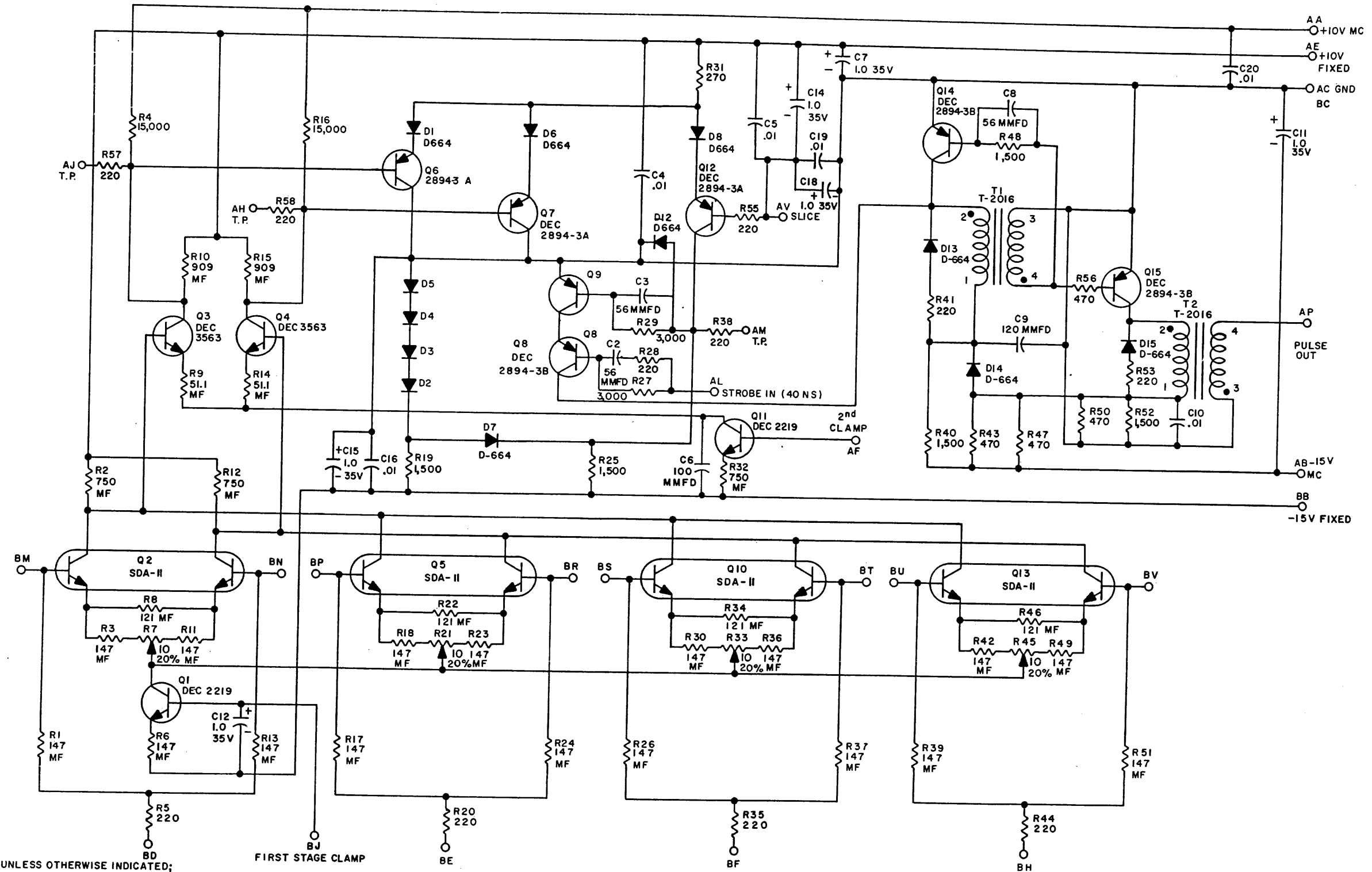


2	#4-40 HEX NUT	SEE ITEM #4	9
2	#4 SPLIT LOCK WASHER		8
2	#4-40X.56LG. CAP HD. SCREW		7
2	SHOULDER WASHER SPECIAL		6
2	#4-40 X.75LG FIL. HD. SCREW		5
1	HOOD & STRAIN RELIEF ASSY.	1205885	4
A/R	15 COND. CABLE 22 AWG.	9107672	3
13	MALE PIN	1210493-35	2
	MALE PIN	1210493-05	2
1	MALE CONNECTOR SHELL	1210493-31	1
	MALE CONNECTOR SHELL	1210493-01	1

FIRST USED ON OPTION/MODEL		QTY.	DESCRIPTION	PART NO.	ITEM NO.
DCIØE					
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES TOLERANCES		DRN. <i>J.M. P...</i>	DATE 7/2/71	PARTS LIST	
		CHK'D. <i>J.M. P...</i>	DATE 7/10/71		
DECIMALS .XXX = .005	ANGLES ± 0° 30'	ENG. <i>J.M. P...</i>	DATE 20 Jun 71	TITLE	
.XX = .02		PROJ. ENG. <i>J.M. P...</i>	DATE 20 Jun 71		
.X = .1		PROD. <i>J.M. P...</i>	DATE 7/2/71	CABLE ASSY. (CALLING UNIT)	
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY					
MATERIAL		NEXT HIGHER ASSY.			
FINISH		SCALE			
		SHEET 1 OF 1			

REVISIONS		REV.	DATE
CHK	CHANGE NO.	A	
BC01Y-00001			
3-17-72			
A. KENT			
2/10/72			

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UNLESS OTHERWISE INDICATED;
TRANSISTORS ARE DEC 2894-1A R7, R21, R33, & R45 ARE PART #131008-0-0
DIODES ARE D-662
CAPACITORS ARE MFD
RESISTORS ARE 1/4W, 5%
MF RESISTORS ARE 1/8W, 1%, TO

REV	CHK	CHG	NO.	REV
5	5430			
5	5430			
5	5430			
5	5430			
5	5430			
5	5430			
5	5430			
5	5430			
5	5430			
5	5430			

DRN.	H. PORTER	DATE	2-8-65
CHK'D	N. PERRYMAN	DATE	2-11-65
ENG.	TOM HUGHES	DATE	2-11-65
PROD.		DATE	

TRANSISTOR & DIODE CONVERSION CHART			
DEC	EIA	DEC	EIA
DEC2219	2N2219	SDA-II	NONE
DEC2894-1A	NONE	D662	IN645
DEC2894-3A	NONE	D664	IN3606
DEC2894-3B	NONE		
DEC3563	2N3563		

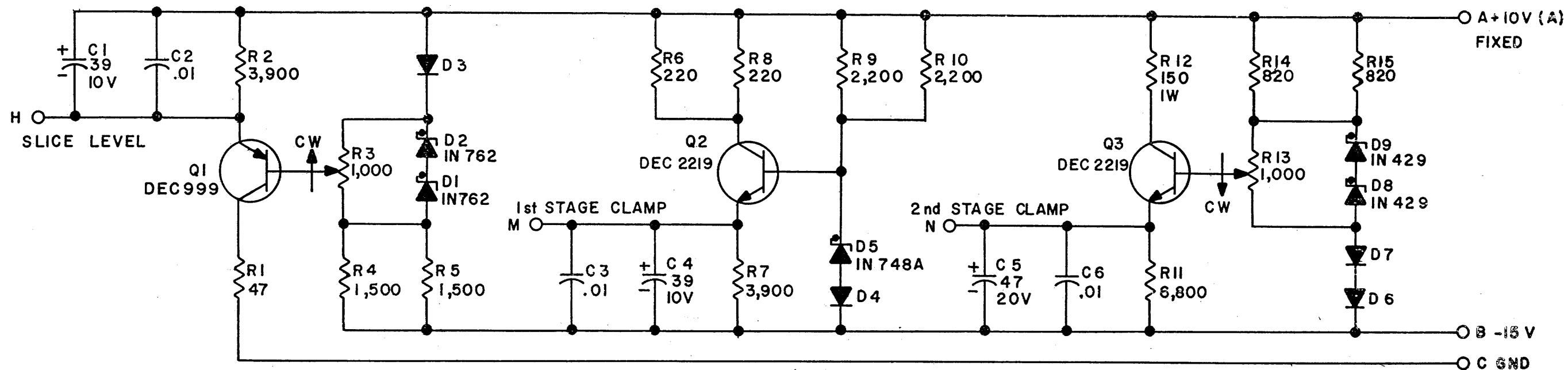
digital
EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS

TITLE 4 INPUT DC SENSE AMPLIFIER GO05			
SIZE	CODE	NUMBER	REV.
C	CS	GO05-0-1	R
PRINTED CIRCUIT REV. F			

SIZE CODE C CS
NUMBER GO05-0-1
REV. R

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REV. NUMBER SIZE CODE



UNLESS OTHERWISE INDICATED:
RESISTORS ARE 1/4W,5%
CAPACITORS ARE MFD
DIODES ARE D-662
R3 & R13 ARE A #275P

NOTES: * IN429 6.2V 5%
** IN762 5.5V 250mw 5%

PARTS LIST A-PL-G008-0-0

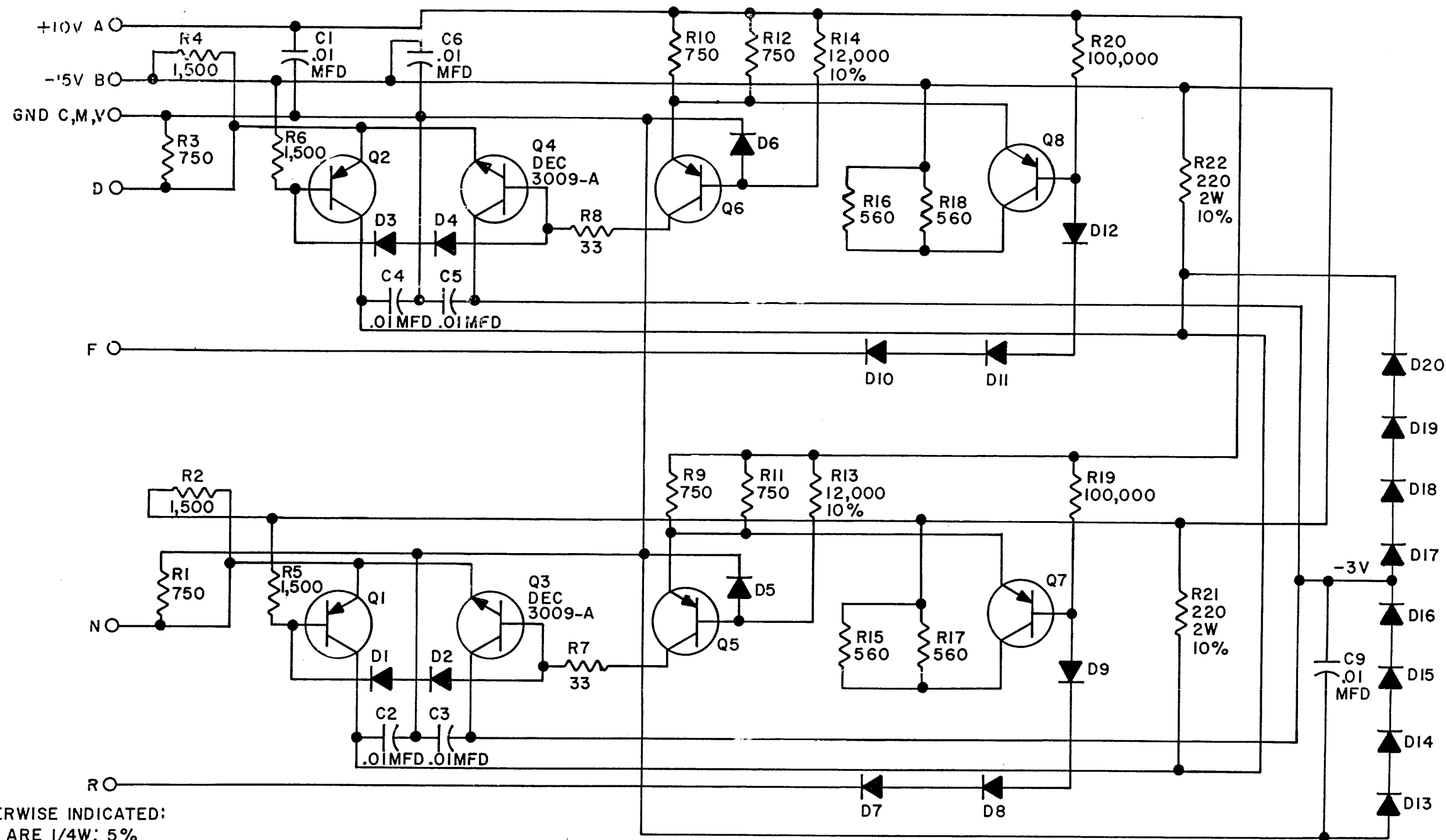
REVISIONS				TRANSISTOR & DIODE CONVERSION CHART				TITLE			
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DAW	5108	2		DEC999	MM999	D662	IN645	B	CS	G008-0-1	D
REV	5 REDR			DEC2219	2N2219						
REV	5887	C		IN429 *	SAME						
REV	7085	D		IN762 **	SAME						
REV				IN748A	SAME						
DRN. I. HAHN				DATE 4-21-65				digital			
CHK'D R. SILVERMAN				DATE 5-3-65				EQUIPMENT CORPORATION			
ENG. R. SOGGE				DATE 5-3-65				MAYNARD, MASSACHUSETTS			
PROD. I				DATE				PRINTED CIRCUIT REV. B			

DEC FORM NO. DRB 102

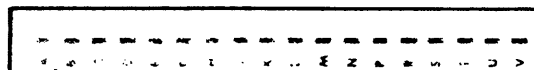
DIST. 324 434 435

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REV	A	NUMBER	GO10-0-1	CODE	CS	SIZE	B
-----	---	--------	----------	------	----	------	---

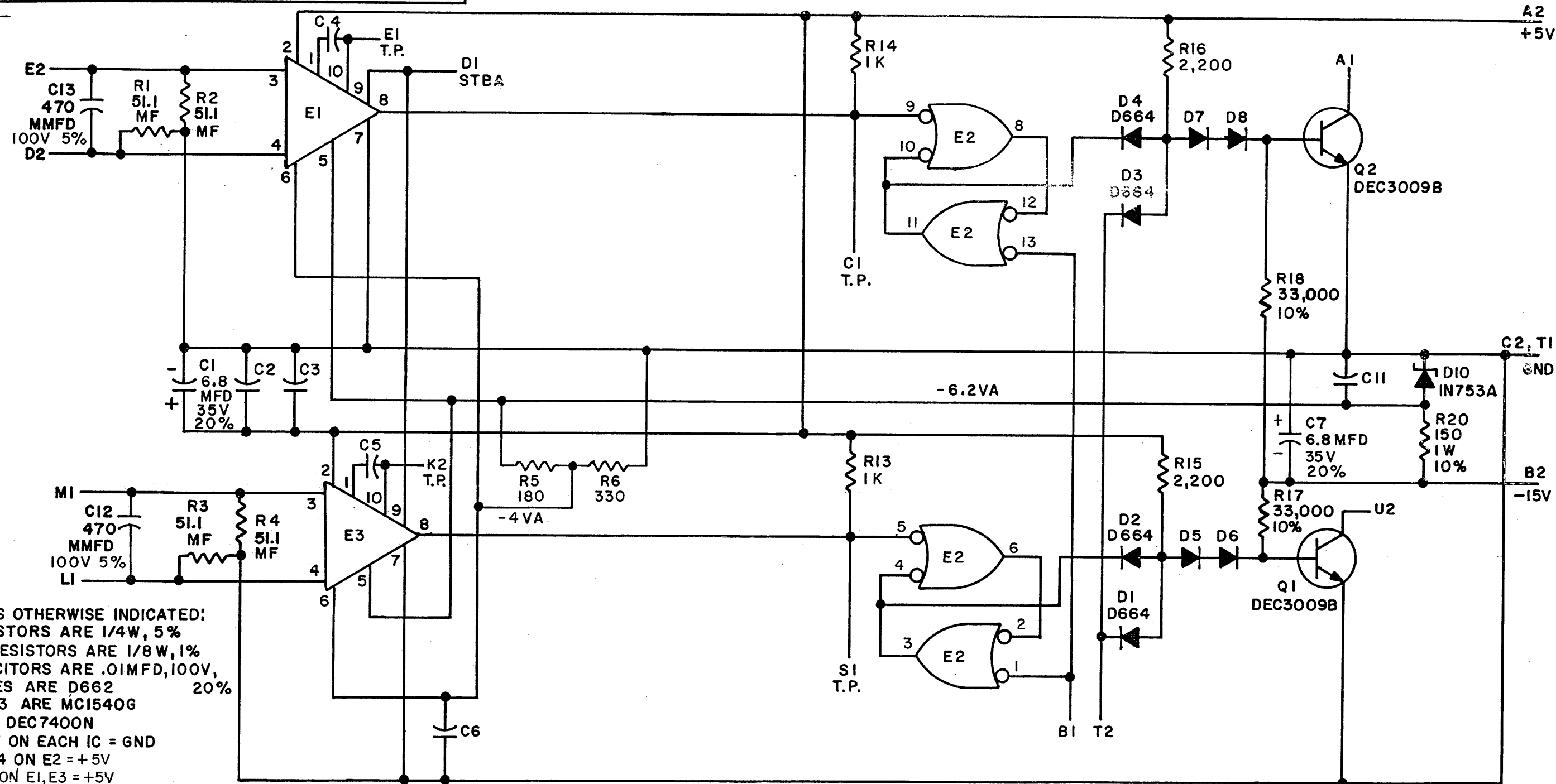


UNLESS OTHERWISE INDICATED:
RESISTORS ARE 1/4W; 5%
DIODES ARE D662
TRANSISTORS ARE DEC 2894-3A



REVISIONS	CHK	CHG NO.	REV.	A	DRN.	DATE	TRANSISTOR & DIODE CONVERSION CHART				digital	TITLE SENSE AMP SELECTOR GO10							
	5628					DEC	EIA	DEC	EIA	SIZE		CODE	NUMBER	REV.					
						DEC 2894-3A	NONE			B		CS	GO10-0-1	A					
						DEC 3009-A	2N3009												
					ENG.	DATE													
					PROD.	DATE													

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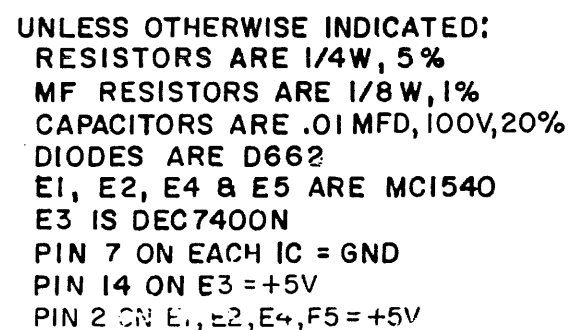
UNLESS OTHERWISE INDICATED:
RESISTORS ARE 1/4W, 5%
MF RESISTORS ARE 1/8W, 1%
CAPACITORS ARE .01MFD, 100V,
DIODES ARE D662 20%
E1, E3 ARE MC1540G
E2 IS DEC7400N
PIN 7 ON EACH IC = GND
PIN 14 ON E2 = +5V
PIN 2 ON E1, E3 = +5V

USE THE ETCH BOARD OF THE G021

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

REVISIONS		CHK CHG NO. REV.		G 00001		D 00002		E 00003		F 00004		H 00005		J 00007		K 00008	
DEC FORM NO. DRB 102		DRN. M. Haller		DATE 7-18-67		CHK'D.		DATE 7/17/67		EMB. R. Sogye		DATE 8/15/67		PROD. 2		DATE	
TRANSISTOR & DIODE CONVERSION CHART																	
DEC				EIA				DEC				EIA					
DEC3009B				2N3009													
D662				IN645													
D664				IN3606													
IN753A				SAME													
digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS TITLE SENSE AMP. G020 SIZE B CODE CS NUMBER G020-0-1 PRINTED CIRCUIT REV. H																	

Dist 324 434 435 PINK



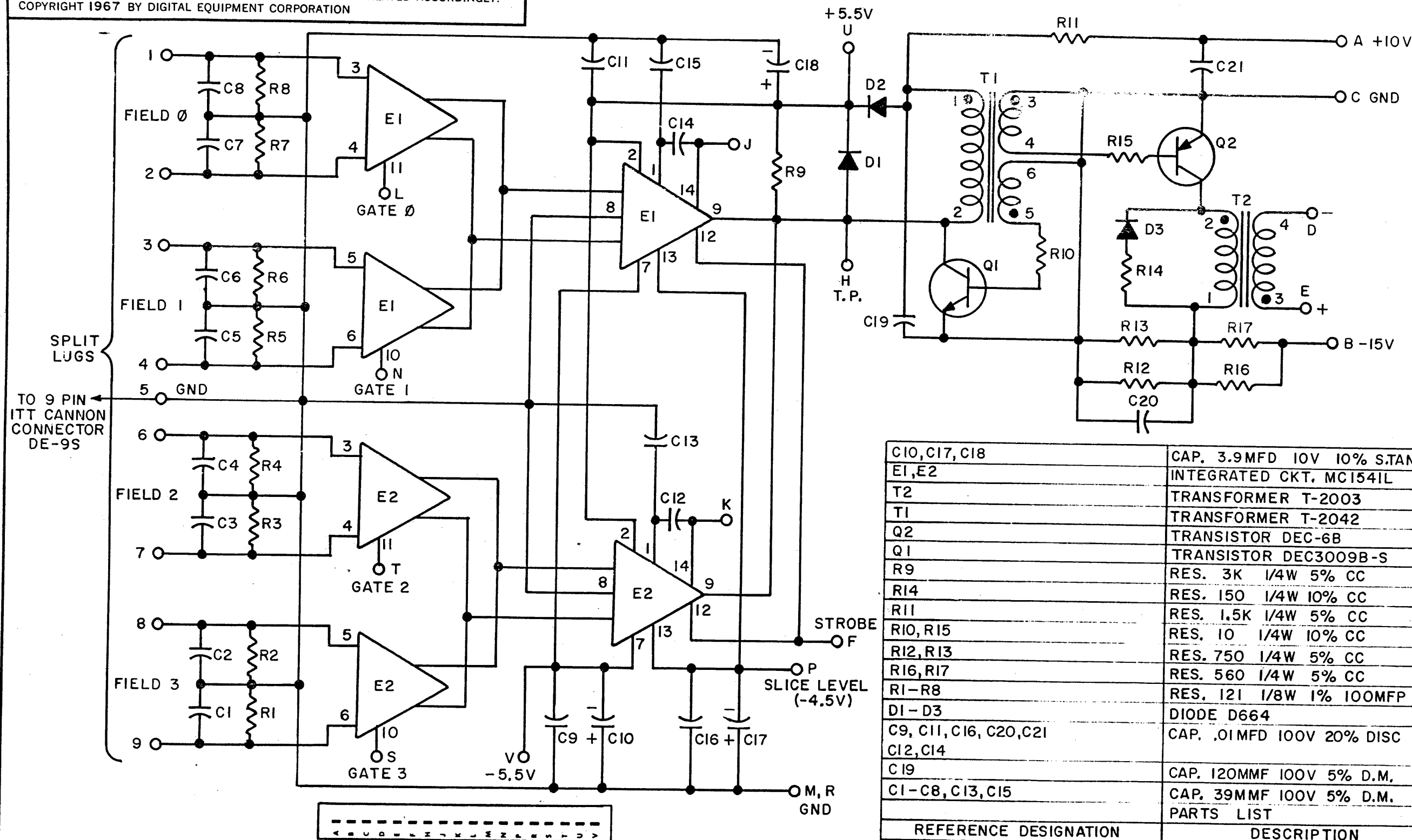
REVISIONS	CHK	CHG NO.	REV.	DRN. <i>M. Waller</i> DATE 4-11-67 CHK'D DATE ENG. <i>IC</i> DATE PROD. 2 DATE
		00001	C	
		00002	D	
		00003	E	
	00004	F		
	00006	H		
	00008	J		
	00009	K		

TRANSISTOR & DIODE CONVERSION CHART			
DEC	EIA	DEC	EIA
DEC3009B	2N3009		
D662	IN645		
D664	IN3606		
IN753	SAME		

digital		TITLE SENSE AMP. G021	
EQUIPMENT CORPORATION		SIZE B	CODE CS
MAYNARD, MASSACHUSETTS		NUMBER G021-0-1	
PRINTED CIRCUIT REV.		REV. K	

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REVISION NUMBER SIZE CODE



C10, C17, C18	CAP. 3.9MFD 10V 10% S.TANT	1000064
E1, E2	INTEGRATED CKT. MC1541L	1909040
T2	TRANSFORMER T-2003	5200642
T1	TRANSFORMER T-2042	5201616
Q2	TRANSISTOR DEC-6B	1509090-01
Q1	TRANSISTOR DEC3009B-S	1503100
R9	RES. 3K 1/4W 5% CC	1300432
R14	RES. 150 1/4W 10% CC	1300252
R11	RES. 1.5K 1/4W 5% CC	1300391
R10, R15	RES. 10 1/4W 10% CC	1300170
R12, R13	RES. 750 1/4W 5% CC	1301401
R16, R17	RES. 560 1/4W 5% CC	1301890
R1-R8	RES. 121 1/8W 1% 100MFP	1302957
D1-D3	DIODE D664	1100114
C9, C11, C16, C20, C21	CAP. .01MFD 100V 20% DISC	1001610
C12, C14		
C19	CAP. 120MMF 100V 5% D.M.	1000018
C1-C8, C13, C15	CAP. 39MMF 100V 5% D.M.	1000010
PARTS LIST		A-PL-G022-O-0
REFERENCE DESIGNATION		DESCRIPTION
PARTS LIST		PART NO.

REVISIONS	CHK	CHG	NO.	REV.	B	C	D
1	CHK	CHG	NO.	REV.	B	C	D
2	CHK	CHG	NO.	REV.	B	C	D
3	CHK	CHG	NO.	REV.	B	C	D
4	CHK	CHG	NO.	REV.	B	C	D
5	CHK	CHG	NO.	REV.	B	C	D
6	CHK	CHG	NO.	REV.	B	C	D
7	CHK	CHG	NO.	REV.	B	C	D
8	CHK	CHG	NO.	REV.	B	C	D
9	CHK	CHG	NO.	REV.	B	C	D
10	CHK	CHG	NO.	REV.	B	C	D
11	CHK	CHG	NO.	REV.	B	C	D
12	CHK	CHG	NO.	REV.	B	C	D
13	CHK	CHG	NO.	REV.	B	C	D
14	CHK	CHG	NO.	REV.	B	C	D
15	CHK	CHG	NO.	REV.	B	C	D
16	CHK	CHG	NO.	REV.	B	C	D
17	CHK	CHG	NO.	REV.	B	C	D
18	CHK	CHG	NO.	REV.	B	C	D
19	CHK	CHG	NO.	REV.	B	C	D
20	CHK	CHG	NO.	REV.	B	C	D
21	CHK	CHG	NO.	REV.	B	C	D
22	CHK	CHG	NO.	REV.	B	C	D
23	CHK	CHG	NO.	REV.	B	C	D
24	CHK	CHG	NO.	REV.	B	C	D
25	CHK	CHG	NO.	REV.	B	C	D
26	CHK	CHG	NO.	REV.	B	C	D
27	CHK	CHG	NO.	REV.	B	C	D
28	CHK	CHG	NO.	REV.	B	C	D
29	CHK	CHG	NO.	REV.	B	C	D
30	CHK	CHG	NO.	REV.	B	C	D
31	CHK	CHG	NO.	REV.	B	C	D
32	CHK	CHG	NO.	REV.	B	C	D
33	CHK	CHG	NO.	REV.	B	C	D
34	CHK	CHG	NO.	REV.	B	C	D
35	CHK	CHG	NO.	REV.	B	C	D
36	CHK	CHG	NO.	REV.	B	C	D
37	CHK	CHG	NO.	REV.	B	C	D
38	CHK	CHG	NO.	REV.	B	C	D
39	CHK	CHG	NO.	REV.	B	C	D
40	CHK	CHG	NO.	REV.	B	C	D
41	CHK	CHG	NO.	REV.	B	C	D
42	CHK	CHG	NO.	REV.	B	C	D
43	CHK	CHG	NO.	REV.	B	C	D
44	CHK	CHG	NO.	REV.	B	C	D
45	CHK	CHG	NO.	REV.	B	C	D
46	CHK	CHG	NO.	REV.	B	C	D
47	CHK	CHG	NO.	REV.	B	C	D
48	CHK	CHG	NO.	REV.	B	C	D
49	CHK	CHG	NO.	REV.	B	C	D
50	CHK	CHG	NO.	REV.	B	C	D
51	CHK	CHG	NO.	REV.	B	C	D
52	CHK	CHG	NO.	REV.	B	C	D
53	CHK	CHG	NO.	REV.	B	C	D
54	CHK	CHG	NO.	REV.	B	C	D
55	CHK	CHG	NO.	REV.	B	C	D
56	CHK	CHG	NO.	REV.	B	C	D
57	CHK	CHG	NO.	REV.	B	C	D
58	CHK	CHG	NO.	REV.	B	C	D
59	CHK	CHG	NO.	REV.	B	C	D
60	CHK	CHG	NO.	REV.	B	C	D
61	CHK	CHG	NO.	REV.	B	C	D
62	CHK	CHG	NO.	REV.	B	C	D
63	CHK	CHG	NO.	REV.	B	C	D
64	CHK	CHG	NO.	REV.	B	C	D
65	CHK	CHG	NO.	REV.	B	C	D
66	CHK	CHG	NO.	REV.	B	C	D
67	CHK	CHG	NO.	REV.	B	C	D
68	CHK	CHG	NO.	REV.	B	C	D
69	CHK	CHG	NO.	REV.	B	C	D
70	CHK	CHG	NO.	REV.	B	C	D
71	CHK	CHG	NO.	REV.	B	C	D
72	CHK	CHG	NO.	REV.	B	C	D
73	CHK	CHG	NO.	REV.	B	C	D
74	CHK	CHG	NO.	REV.	B	C	D
75	CHK	CHG	NO.	REV.	B	C	D
76	CHK	CHG	NO.	REV.	B	C	D
77	CHK	CHG	NO.	REV.	B	C	D
78	CHK	CHG	NO.	REV.	B	C	D
79	CHK	CHG	NO.	REV.	B	C	D
80	CHK	CHG	NO.	REV.	B	C	D
81	CHK	CHG	NO.	REV.	B	C	D
82	CHK	CHG	NO.	REV.	B	C	D
83	CHK	CHG	NO.	REV.	B	C	D
84	CHK	CHG	NO.	REV.	B	C	D
85	CHK	CHG	NO.	REV.	B	C	D
86	CHK	CHG	NO.	REV.	B	C	D
87	CHK	CHG	NO.	REV.	B	C	D
88	CHK	CHG	NO.	REV.	B	C	D
89	CHK	CHG	NO.	REV.	B	C	D
90	CHK	CHG	NO.	REV.	B	C	D
91	CHK	CHG	NO.	REV.	B	C	D
92	CHK	CHG	NO.	REV.	B	C	D
93	CHK	CHG	NO.	REV.	B	C	D
94	CHK	CHG	NO.	REV.	B	C	D
95	CHK	CHG	NO.	REV.	B	C	D
96	CHK	CHG	NO.	REV.	B	C	D
97	CHK	CHG	NO.	REV.	B	C	D
98	CHK	CHG	NO.	REV.	B	C	D
99	CHK	CHG	NO.	REV.	B	C	D
100	CHK	CHG	NO.	REV.	B	C	D

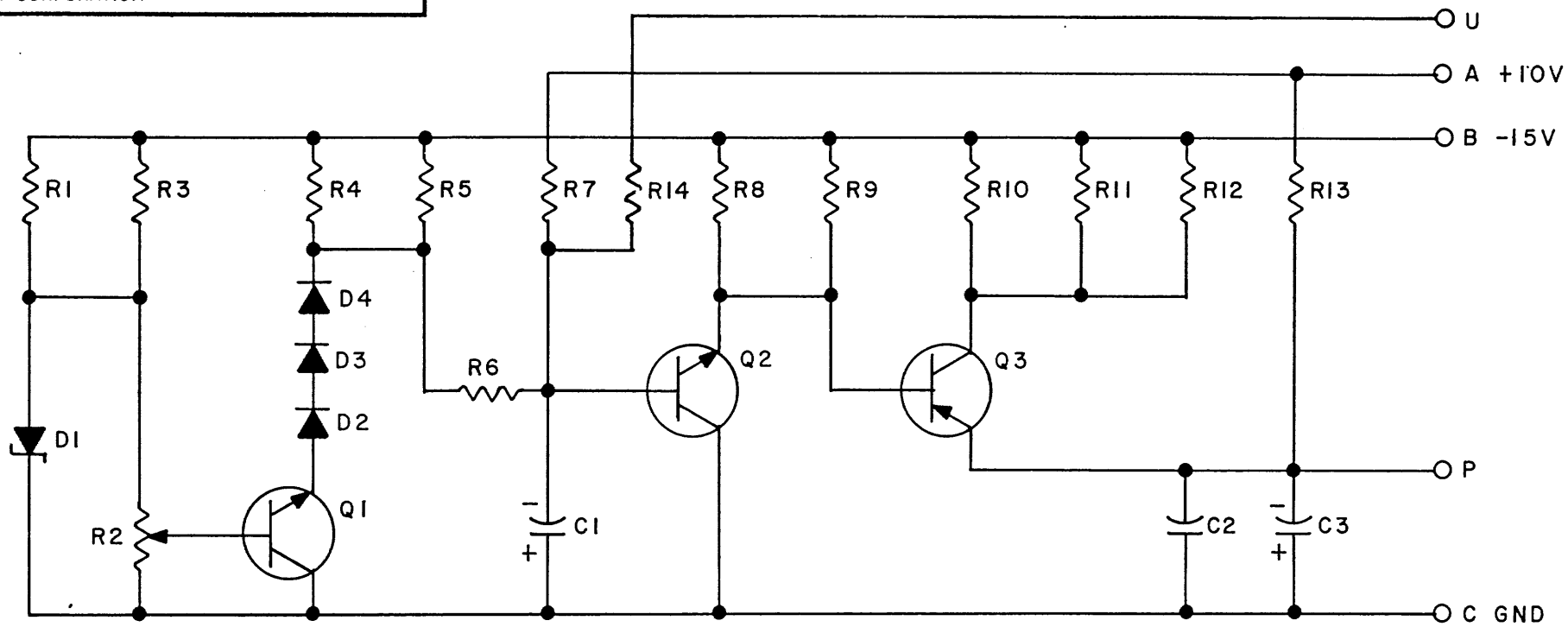
DRN.	M. HALLER	DATE	7-10-67
CHK'D	R. SILVERMAN	DATE	7-12-67
ENG.	D. J. CHIN	DATE	7-12-67
PROD.		DATE	

TRANSISTOR & DIODE CONVERSION CHART			
DEC	EIA	DEC	EIA
DEC-6B	NONE		
DEC3009B	2N3009		
D664	IN3606		

digital
EQUIPMENT
CORPORATION
MAYNARD, MASSACHUSETTS

TITLE			
FOUR INPUT SENSE AMP. G022			
SIZE	CODE	NUMBER	REV.
B	CS	G022-0-1	D
PRINTED CIRCUIT REV.			E

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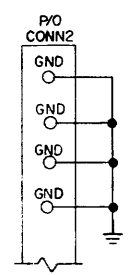


NOTE:
MOUNT Q3 WITH HEAT SINK COMPOUND

R14	RES. 5.11K 1/8W 1% 100MFP	1304854
R8, R9	RES. 1K 1/4W 5% CC	1300365
Q3	TRANSISTOR DEC3790-S	1503399
Q1, Q2	TRANSISTOR 2N2219A-S	1501881
R13	RES. 1.5K 1/4W 5% CC	1300391
R10-R12	RES. 22 2W 10% CC	1301417
R7	RES. 1.96K 1/8W 1% 100MFP	1304833
R6	RES. 348 1/8W 1% 100MFP	1304858
R2	RES. 1K BOURNS TRIMPOT	1305450
R1, R3-R5	RES. 750 1/4W 5% CC	1301401
D2, D3, D4	DIODE D662	1100113
D1	DIODE 1N756A 8.2V 1/4W	1103441
C3	CAP. 6.8MFD 35V 20% S.TANT	1000067
C2	CAP. .01MFD 100V 20% DISC	1001610
C1	CAP. 47MFD 20V 20% S.TANT	1000079
PARTS LIST		A-PL-G023-0-0
REFERENCE DESIGNATION		DESCRIPTION
PARTS LIST		PART NO.

REVISIONS	CHK CHG NO. REV. B	RMS 6865	REV R REDR 7119 C	MC 00001 F	DRN. M. HALLER	DATE 7-26-67	TRAN DEC	OR & DIODE CONVERSION CHART	EIA	DEC	EIA	digital	TITLE MASTER SLICE CONTROL G023
					CHK'D R. SILVERMAN	DATE 7-31-67	DEC 2219A		N2219			EQUIPMENT CORPORATION	SIZE B
					ENG. D. J. CHIN	DATE 7-31-67	2N3790		AME			MAYNARD, MASSACHUSETTS	CODE CS
					PROD. I	DATE	1N756A		AME				NUMBER G023-0-1
													REV. F
													PRINTED CIRCUIT REV. F

ASN	0000000000	CODE	1215
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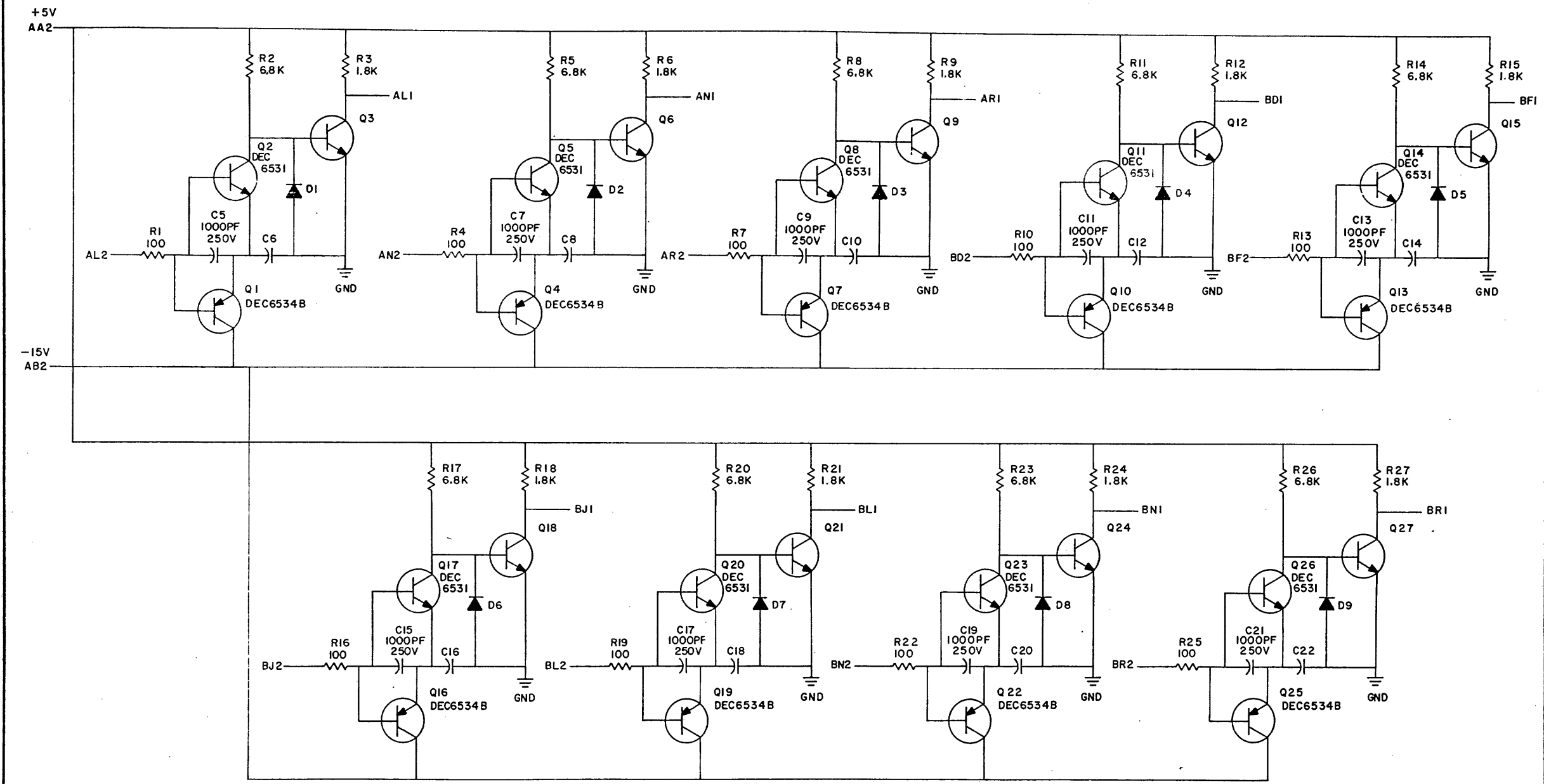
-7V, Aji T.P.

[illegible]

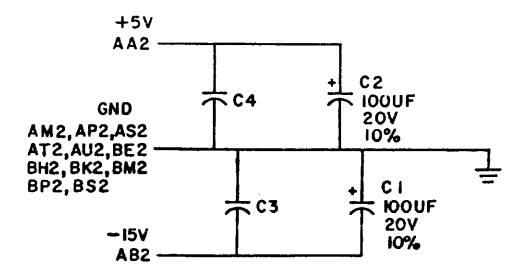
[illegible]

REVISIONS		TITLE																									
CHK	CHG NO. REV	TUJO COMPRESSOR G060																									
DRN. <i>H. Blum</i> DATE <i>10-15-68</i> CHK'G <i>H. Blum</i> DATE <i>2-17-71</i> ENG. <i>H. Blum</i> DATE <i>3-11-71</i> PROD. DATE		TRANSISTOR & DIODE CONVERSION CHART <table border="1"> <thead> <tr> <th colspan="2">DEC</th> <th colspan="2">EIA</th> </tr> </thead> <tbody> <tr> <td>D664</td> <td>IN3606</td> <td>IN753A</td> <td>SAME</td> </tr> <tr> <td>D662</td> <td>IN645</td> <td></td> <td></td> </tr> <tr> <td>IN745A</td> <td>SAME</td> <td></td> <td></td> </tr> <tr> <td>DEC6334B</td> <td>MPS 6534</td> <td></td> <td></td> </tr> <tr> <td>DEC3009B</td> <td>2N3009</td> <td></td> <td></td> </tr> </tbody> </table>		DEC		EIA		D664	IN3606	IN753A	SAME	D662	IN645			IN745A	SAME			DEC6334B	MPS 6534			DEC3009B	2N3009		
DEC		EIA																									
D664	IN3606	IN753A	SAME																								
D662	IN645																										
IN745A	SAME																										
DEC6334B	MPS 6534																										
DEC3009B	2N3009																										
digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS		SIZE CODE NUMBER REV. C CS G060-0-1 C																									
PRINTED CIRCUIT REV.		D																									

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UNLESS OTHERWISE INDICATED:
RESISTORS ARE 1/4W, 5%
CAPACITORS ARE .01UF, 100V, 20%
TRANSISTORS ARE DEC 3009B
DIODES ARE D664



REV.	CHK	CHG	NO.	REV.
1			0001	
2			0002	
3			0003	
4			0004	
5			0005	
6			0006	
7			0007	
8			0008	
9			0009	
10			0010	

DRN	DATE	CHK'D	DATE	ENG.	DATE	PROD.	DATE
J. Cooper	11/1/70						

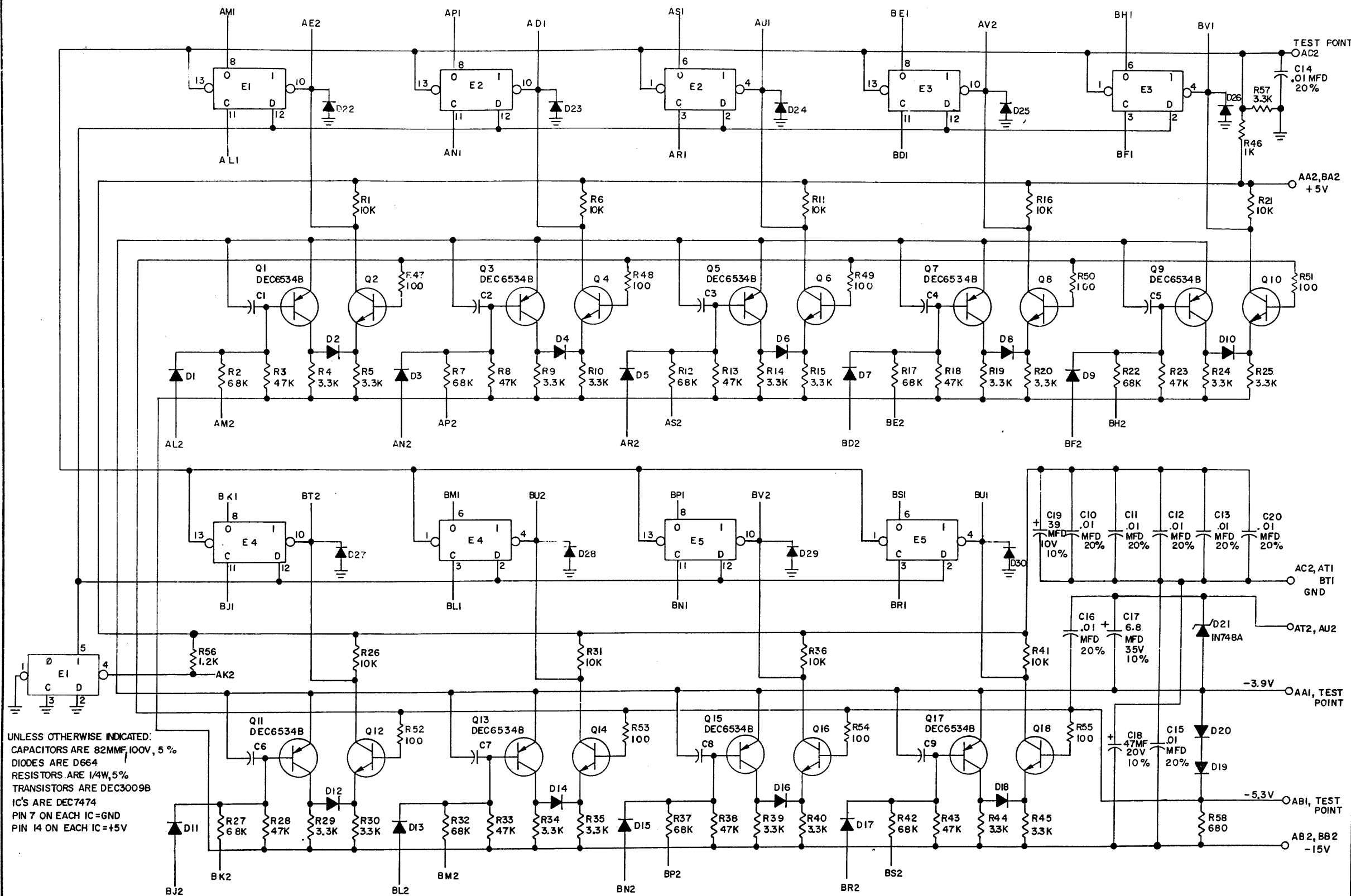
TRANSISTOR & DIODE CONVERSION CHART			
DEC	EIA	DEC	EIA
DEC 6534B	MPS 6534	D 664	1N3606
DEC 6531	MPS 6531		
DEC 3009B	2N3009B		

digital		EQUIPMENT CORPORATION		MAYNARD, MASSACHUSETTS	
TITLE: PEAK DETECTOR G062					
SIZE	CODE	NUMBER	REV.		
C	CS	G062-0-1	D		
PRINTED CIRCUIT REV. 1					

REV. D
NUMBER G062-0-1
SIZE CODE C CS

DISC 3211.434, 435.3 5 PINK

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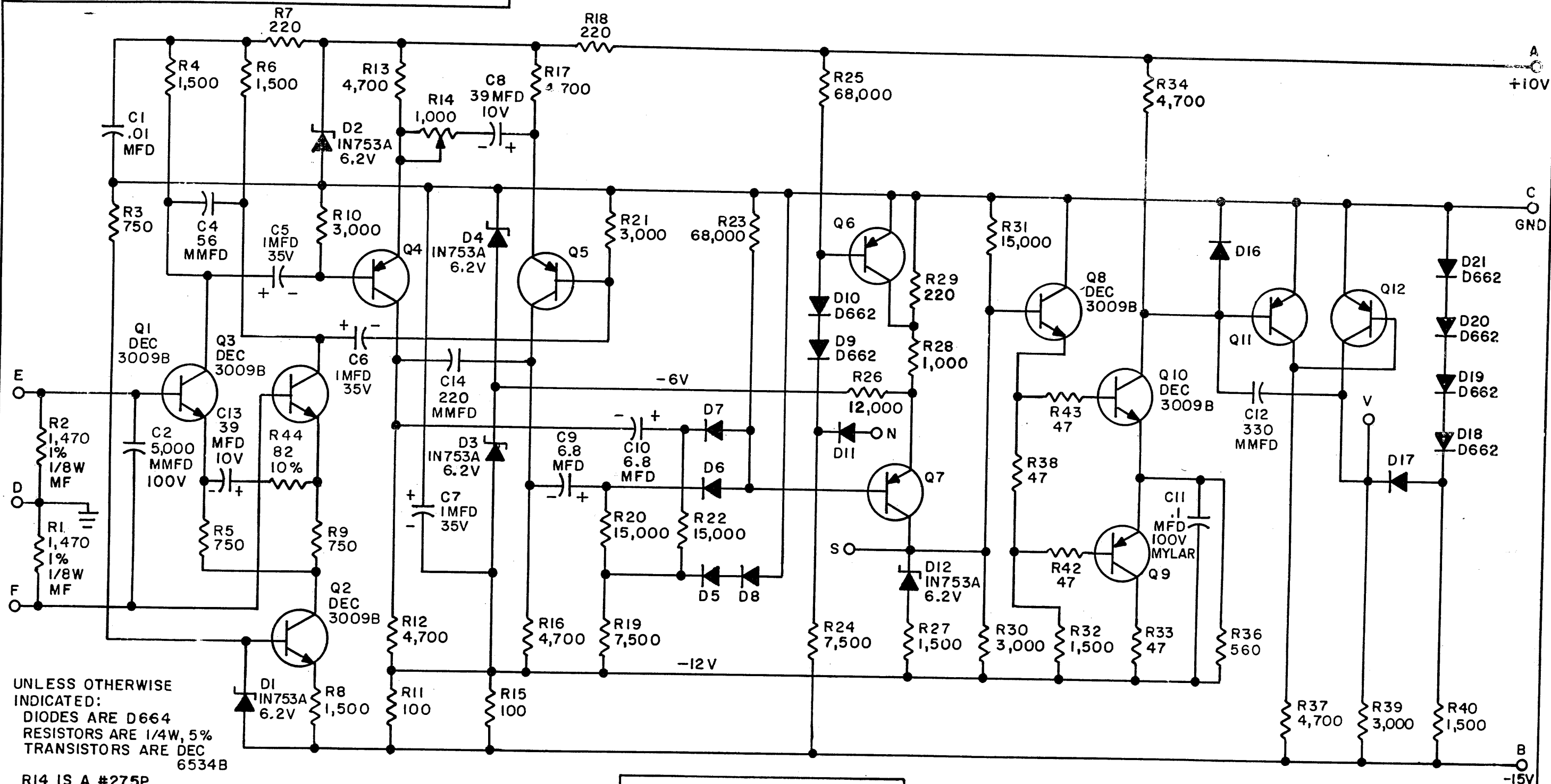
REVISIONS CHK CHG NO. REV. C 00001 B 00002 C		DRN. <i>[Signature]</i> DATE 3-2-70 CHK'D <i>[Signature]</i> DATE 3-9-70 ENG. <i>[Signature]</i> DATE 3-9-70 PROD. DATE		TRANSISTOR & DIODE CONVERSION CHART <table border="1"> <tr> <th>DEC</th> <th>EIA</th> <th>DEC</th> <th>EIA</th> </tr> <tr> <td>D664</td> <td>IN3606</td> <td></td> <td></td> </tr> <tr> <td>DEC6534B</td> <td>MPS6534</td> <td></td> <td></td> </tr> <tr> <td>DEC3009B</td> <td>2N3009B</td> <td></td> <td></td> </tr> </table>				DEC	EIA	DEC	EIA	D664	IN3606			DEC6534B	MPS6534			DEC3009B	2N3009B			TITLE SLICER G064 digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS		SIZE CODE NUMBER C CS G064-0-1 PRINTED CIRCUIT REV. D	
DEC	EIA	DEC	EIA																								
D664	IN3606																										
DEC6534B	MPS6534																										
DEC3009B	2N3009B																										

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REV

NUMBER

SIZE CODE



UNLESS OTHERWISE INDICATED:
DIODES ARE D664
RESISTORS ARE 1/4W, 5%
TRANSISTORS ARE DEC 6534B

R14 IS A #275P
PARTS LIST A-PL-G084-0-0

REV	CHG NO	CHK
B	6772	6772
C	7153	7153
D	0001	0001

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

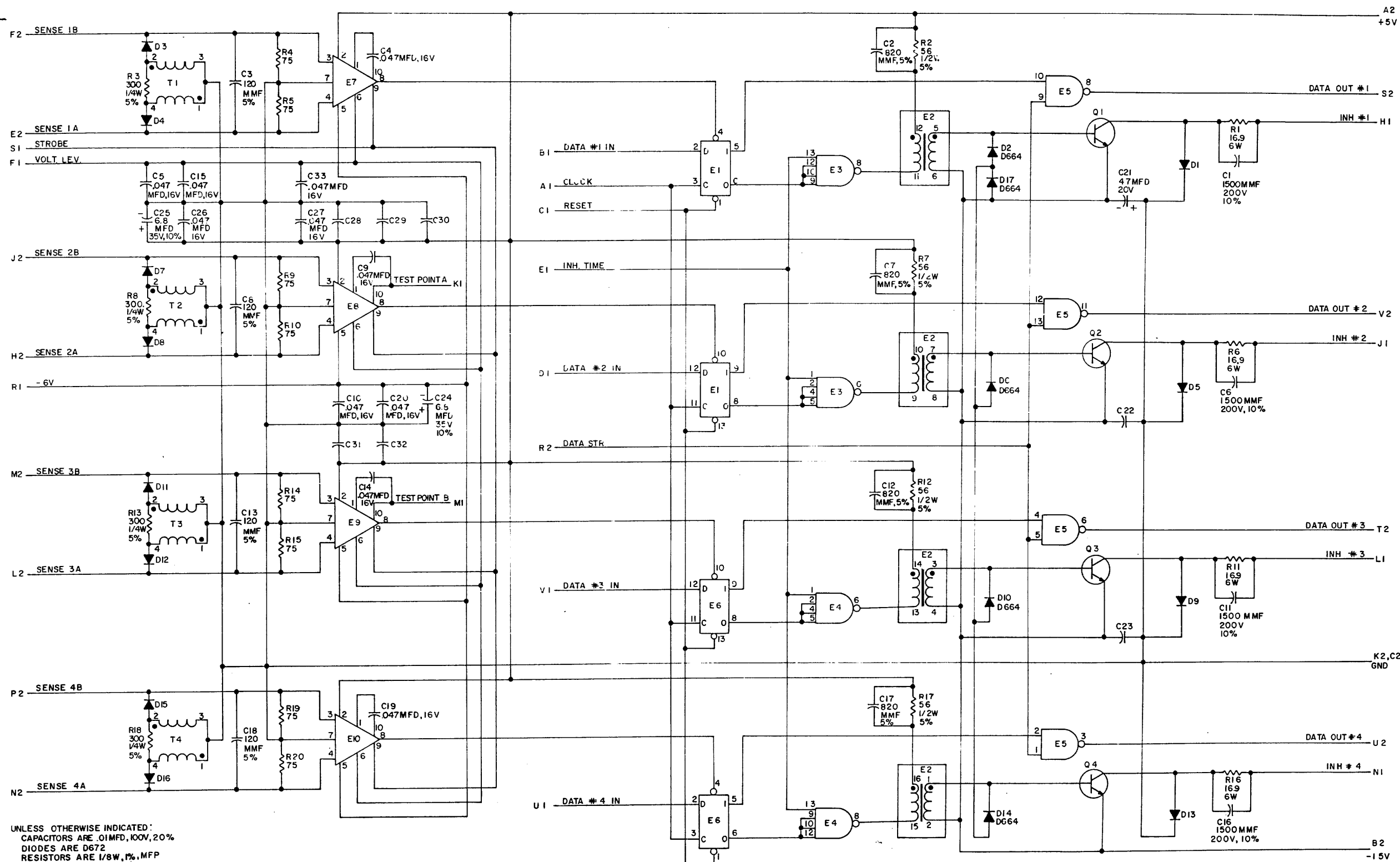
TRANSISTOR & DIODE CONVERSION CHART			
DEC	EIA	DEC	EIA
DEC3009B	2N3009	IN753A	SAME
DEC6534B	MPS6534		
D662	IN645		
D664	IN3606		

digital
EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS

TITLE MAG. TAPE READ AMP. G084			
SIZE B	CODE CS	NUMBER G084-0-1	REV. D
PRINTED CIRCUIT REV. C			

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1-0-2019 5 0



UNLESS OTHERWISE INDICATED:
CAPACITORS ARE .01MFD, 100V, 20%
DIODES ARE D672
RESISTORS ARE 1/8W, 1%, MFP
TRANSISTORS ARE DEC2007
TRANSFORMERS ARE 17Z5
PIN 7 ON E1, E3-E6 GND
PIN 14 ON E1, E3-E6 +5V
E1, E6 ARE DEC7474
E2 IS A DUAL IN LINE PACK XMFR-16-09996-0
E3, E4 ARE DEC74H40
E5 IS DEC74H01
E7-E10 ARE MCI540
CAPACITORS C2-C7, C12 AND C17
ARE AND MUST BE SINGLE DIP

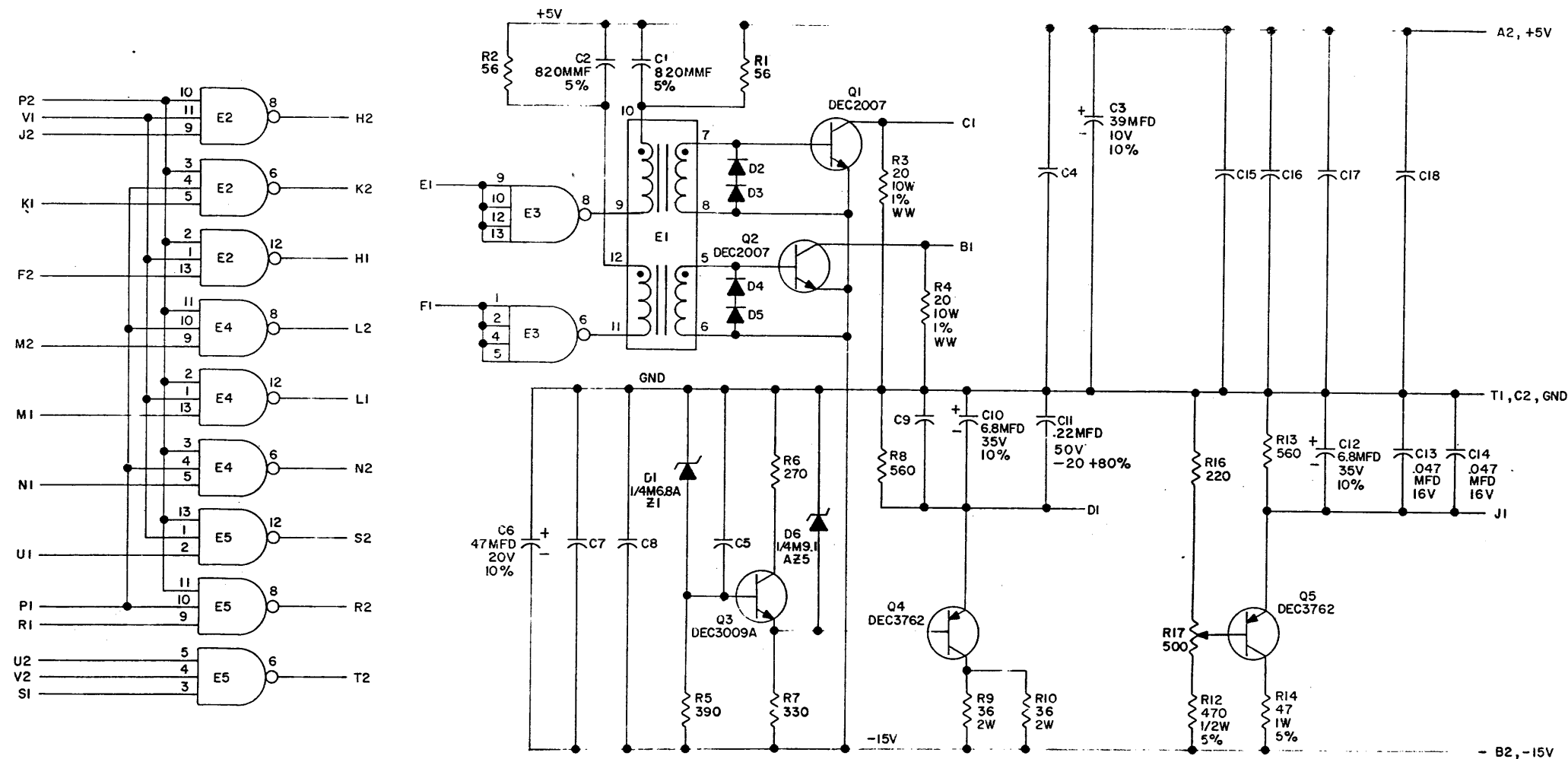
REV	DATE	BY	CHKD
1	10/1/69	J. J. J.	J. J. J.
2	10/1/69	J. J. J.	J. J. J.
3	10/1/69	J. J. J.	J. J. J.
4	10/1/69	J. J. J.	J. J. J.
5	10/1/69	J. J. J.	J. J. J.

TRANSISTOR & DIODE CONVERSION CHART			
MANUFACTURER	TYPE	DATA	DATA
DEC	D672	1N3405	
DEC	D672	1N3405	
DEC	D672	1N3405	
DEC	D672	1N3405	

EQUIPMENT CORPORATION		SENSE INHIBIT-CARD G102	
MODEL	0	CODE	CS
REVISION	0	DATE	10/1/69
DRAWN BY J. J. J.		CHECKED BY J. J. J.	

4: DISK 224.114 47. PINK

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UNLESS OTHERWISE INDICATED:

RESISTORS ARE 1/4W, 5%
CAPACITORS ARE .01MFD, 100V, 20%

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

E2, E4, E5 ARE DEC74H10
E3 IS DEC7440
E1 IS TRANSFORMER DEC PART # 1609996-0
DIODES ARE D664

REV	CHG	NO.	REV
1	00001	A	
2	00002	B	
3	00004	C	
4	00005	D	
5	00006	E	
6	00007	F	

DEC FORM NO.
DRC 102

DRN.	DATE
BUTLER	8/2/69
CHKD.	DATE
6/2/69	
ENG.	DATE
2-2-70	
PROD.	DATE

TRANSISTOR & DIODE CONVERSION CHART			
DEC	EIA	DEC	EIA
D664	IN3606	1/4M9.1A25	NONE
1/4M6.8A21	NONE		
DEC2007	NONE		
DEC3762	NONE		
DEC3009A	2N3009A		

digital
EQUIPMENT
CORPORATION
MAYNARD, MASSACHUSETTS

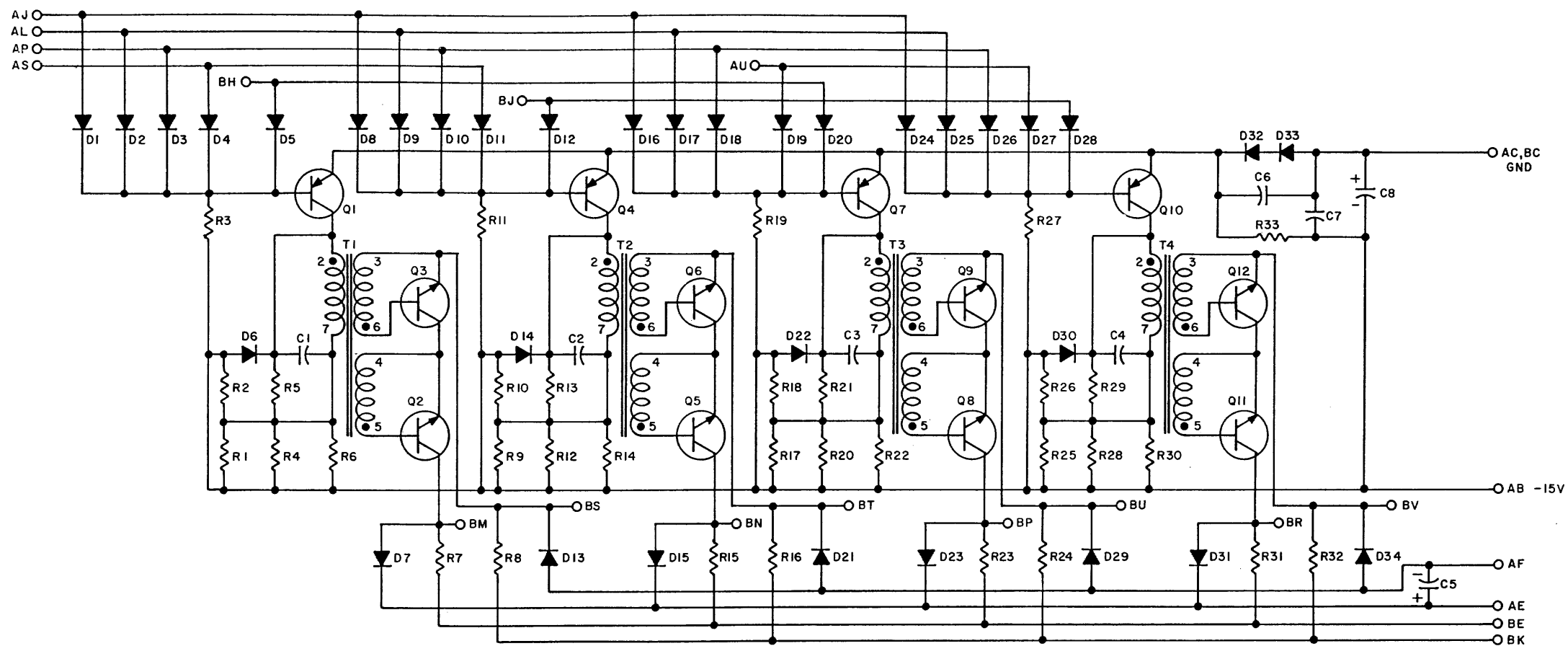
TITLE MEMORY LEVELS
& GATES GIO3
NUMBER
G103-0-1
PRINTED CIRCUIT REV. A

DISC 3 2-4, 434, 435

PINK

REV. F
NUMBER G103-0-1
SIZE CODE C CS

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T1-T4	TRANSFORMER T-2050	I605794-04
Q2,Q3,Q5,Q6,Q8,Q9,Q11,Q12	TRANSISTOR DEC1010	I509322
Q1,Q4,Q7,Q10	TRANSISTOR DEC2894-3B	I503099
R7,R8,R15,R16,R23,R24,R31,R32	RES. 10K 1/4W 5% CC	I300479
R5,R13,R21,R29	RES. 2.2K 1/4W 5% CC	I300417
R3,R11,R19,R27	RES. 7.5K 1/4W 5% CC	I301422
R18,R20,R22,R25,R26,R28,R30,R33	RES. 1.2K 1/4W 10% CC	I300386
R1,R2,R4,R6,R9,R10,R12,R14,R17,		
D32,D33	DIODE D662	I100113
D7,D13,D15,D21,D23,D29,D31,D34	DIODE D670	I102162
D24-D28,D30	DIODE D664	I100114
D1-D6,D8-D12,D14,D16-D20,D22,		
C8	CAP. 1MFD 35V 10% S.TANT	I001776
C6,C7	CAP. .01MFD 100V 20% DISC	I001610
C5	CAP. 1MFD 150V 10% FOIL	I000063
C1-C4	CAP. 56MMF 100V 5% D.M.	I000012
PARTS LIST		A-PL-G206-0-0
REFERENCE DESIGNATION	DESCRIPTION	PART NO.

REV.	CHG.	NO.	REV.
1	1	1	1

DEC FORM NO. DRC 102

DRN.	H. PORTER	DATE	2-2-65
CHK'D	N. PERRYMAN	DATE	2-11-65
ENG.	T. HUGHES	DATE	2-11-65
PROD.		DATE	

TRANSISTOR & DIODE CONVERSION CHART			
DEC	EIA	DEC	EIA
DEC1010	NONE		
DEC2894-3B	NONE		
D662	IN645		
D664	IN3606		
D670	IN3653		

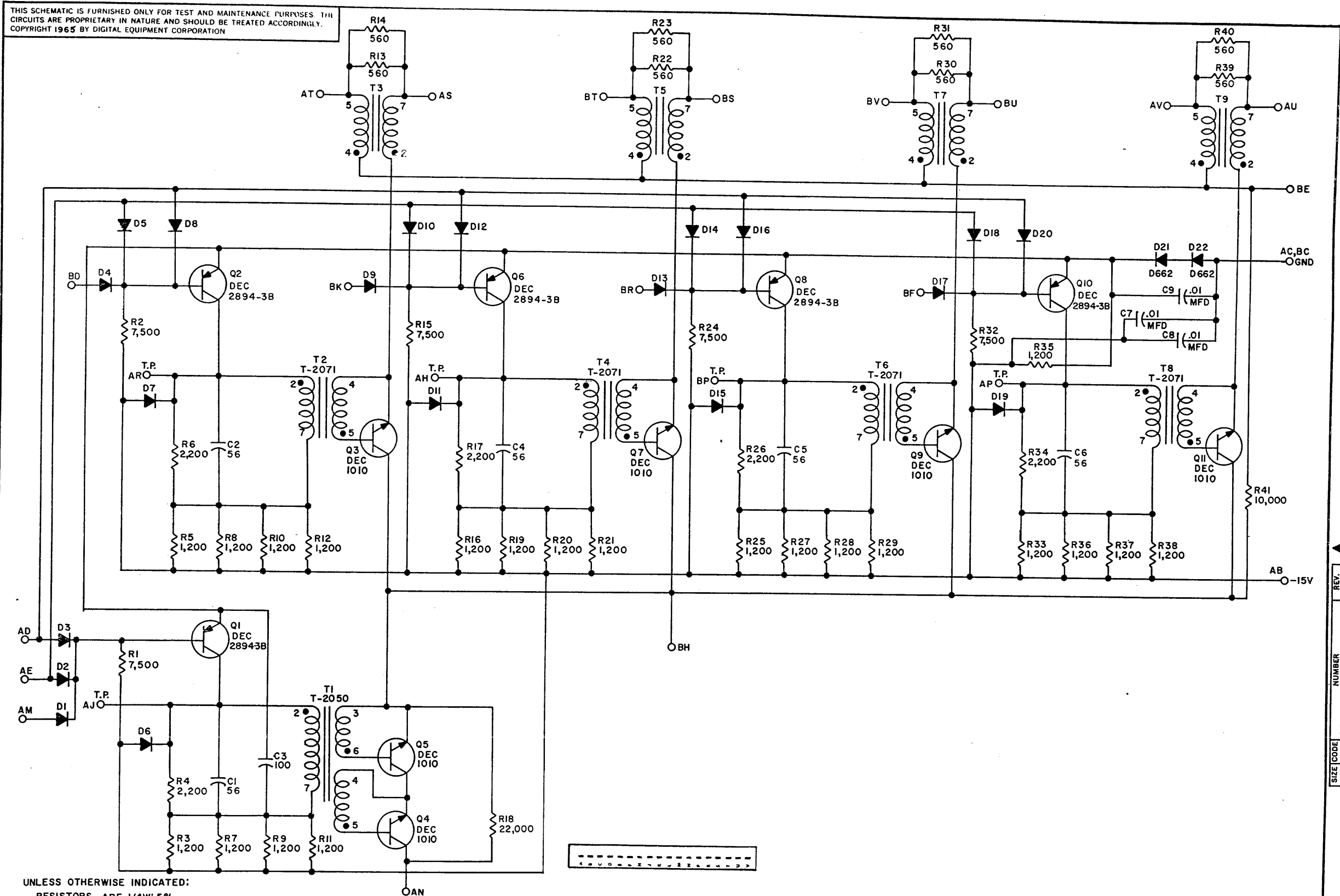
digital
EQUIPMENT
CORPORATION
MAYNARD, MASSACHUSETTS

TITLE			
MEMORY SELECTOR G206			
SIZE	CODE	NUMBER	REV.
C	CS	G206-0-1	D
PRINTED CIRCUIT REV. B			

DISC. 324, 434, 435, 439

REV. D
NUMBER
C G206-0-1

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UNLESS OTHERWISE INDICATED:
RESISTORS ARE 1/4W; 5%
CAPACITORS ARE MMFD
DIODES ARE D664
TRANSFORMERS ARE T-2052

PARTS LIST IS A-PL-G207

REVISIONS		
CHK	CHG NO.	REV.
REV.	6734	D
	5369	B
	5695	C
	00002	E

DEC FORM NO.
DRC 102

DRN. H. PORTER	DATE 2-2-65
CHK'D N. PERRYMAN	DATE 2-11-65
ENG. TOM HUGHES	DATE 2-11-65
PROD.	DATE

TRANSISTOR & DIODE CONVERSION CHART			
DEC		EIA	
DEC1008		MM1008	
DEC2894-38		NONE	
D662		1N645	
D664		1N3606	

digital
EQUIPMENT
CORPORATION
MAYNARD, MASSACHUSETTS

TITLE	INHIBIT DRIVER G207
-------	---------------------

SIZE	CODE	NUMBER
------	------	--------

C	CS	G207.
---	----	-------

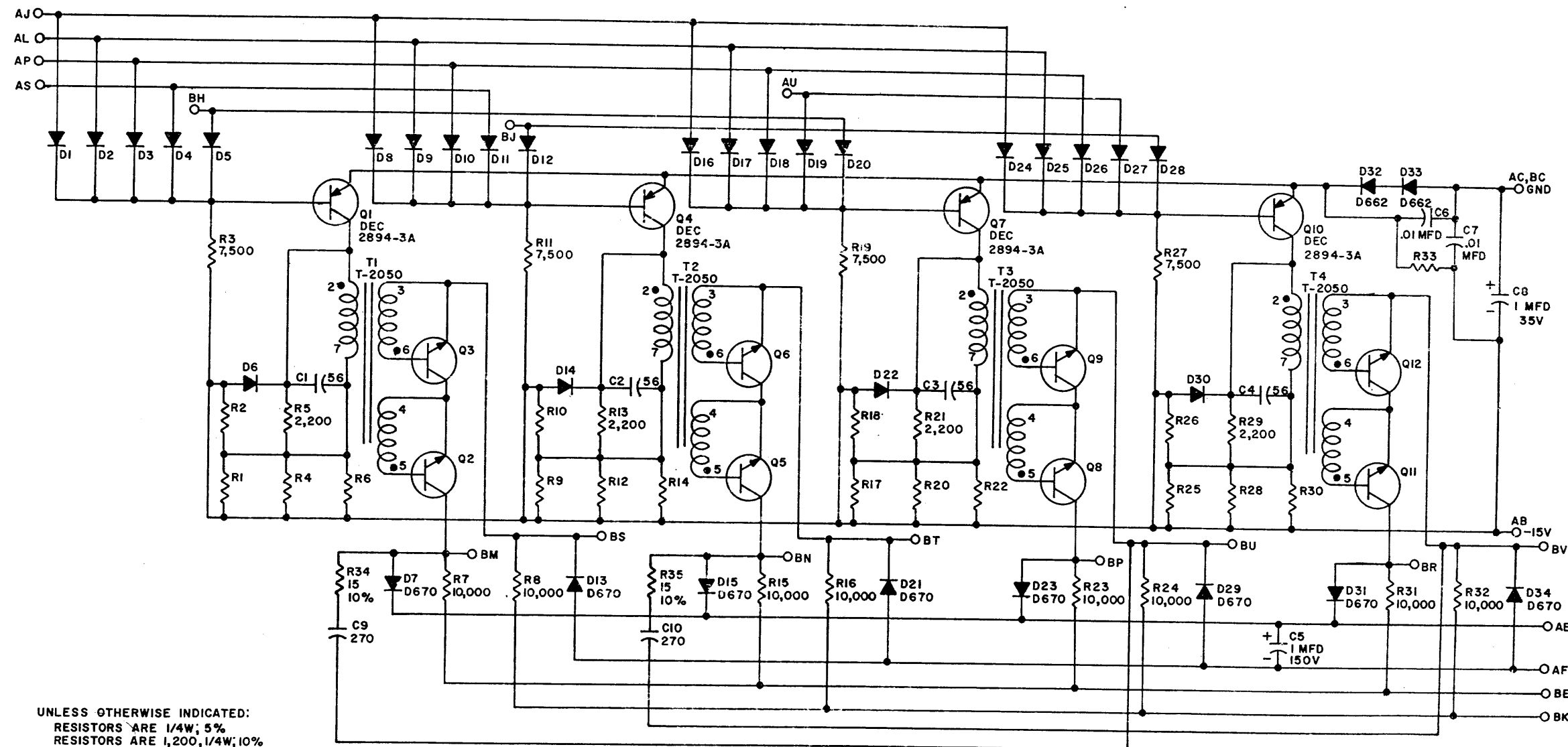
REV.

F

L

DIST. 324, 434, 435, 436 PINK

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UNLESS OTHERWISE INDICATED:
RESISTORS ARE 1/4W, 5%
RESISTORS ARE 1,200, 1/4W, 10%
CAPACITORS ARE MMFD
DIODES ARE D664
TRANSISTORS ARE DEC1010

USE THE ETCH BOARD OF THE G206

PARTS LIST IS A-PL-G212-0-0

REV.	CHG	NO.	REV.
1	0000	1	A

DRN
CHK'D
ENG
PROD.

DATE
DATE
DATE
DATE

TRANSISTOR & DIODE CONVERSION CHART			
DEC	EIA	DEC	EIA
DEC1010	SAME		
DEC2894-3A	NONE		
D662	IN345		
D664	IN3606		
D670	IN3653		

digital
EQUIPMENT
CORPORATION
MAYNARD, MASSACHUSETTS

TITLE
MEMORY COMMON
DRIVER G212

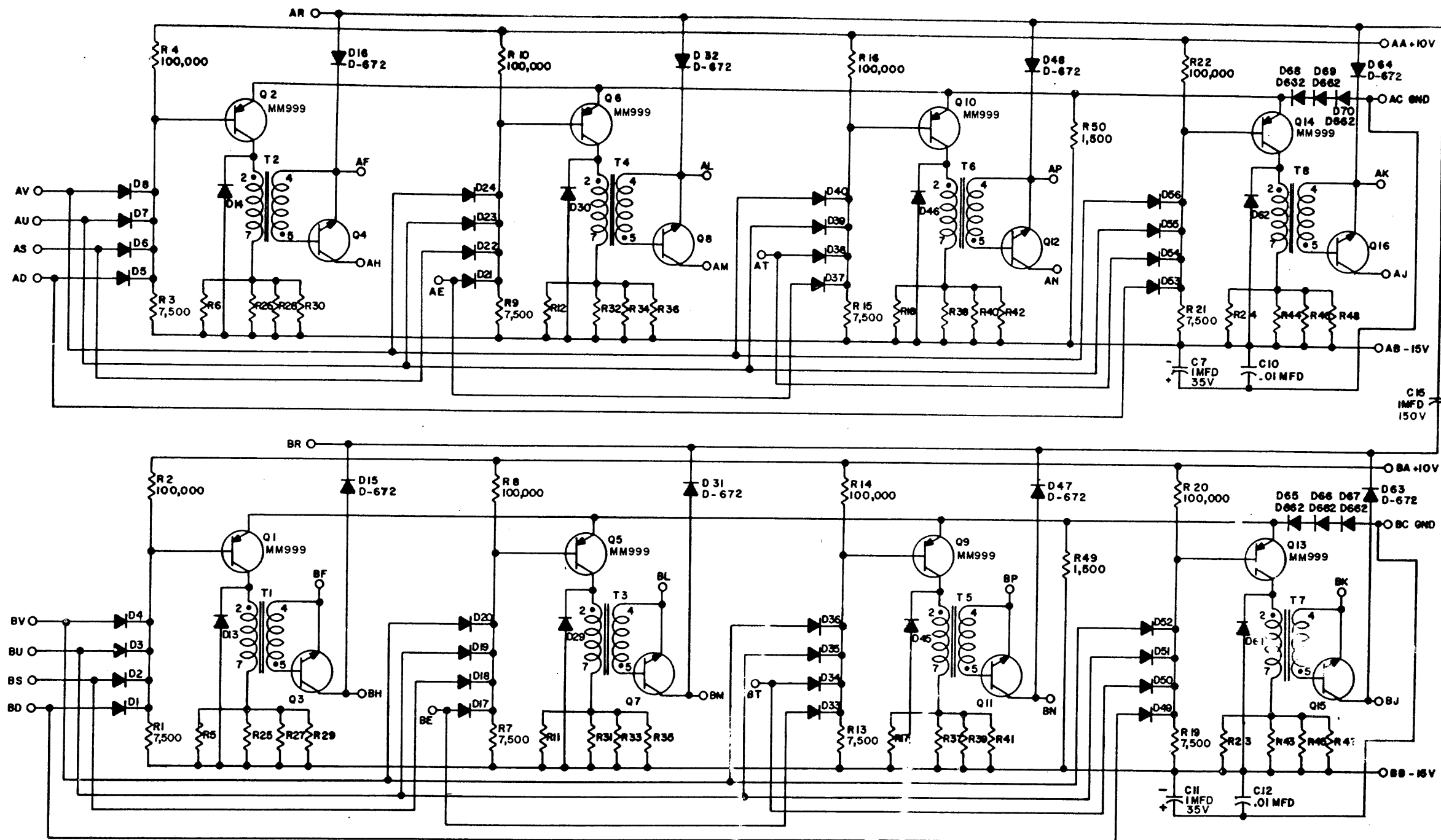
SIZE	CODE	NUMBER	REV.
C	CS	G212-0-1	A

PRINTED CIRCUIT REV. B

REV. A
NUMBER
C CS G212-0-1

DIST. 324 434 435 529

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UNLESS OTHERWISE INDICATED:

TRANSFORMERS ARE T-2071

TRANSISTORS ARE DEC1011

RESISTORS ARE 1/4 W, 5%

DIODES ARE D-664

RESISTORS ARE 1/200, 1/4 W, 10%

USE THE ETCH BOARD OF THE G209

PARTS LIST A-PL-G217-0-0

REV	CHK	ENG	NO.	REV.
1	1	00001	A	
2	2	00002	C	
3	3	00003	D	
4	4	00004	E	

DEC FORM NO. DRC 102

DRM.	DATE
W. M. W.	12-18-68
CHK'D	DATE
W. M. W.	12-20-68
ENG.	DATE
P. Sullivan	1-11-69
PROD.	DATE

TRANSISTOR & DIODE CONVERSION CHART			
DEC	EIA	DEC	EIA
DEC1011	NONE		
DEC68	NONE		
D662	1N845		
D664	1N3608		
D672	1N3653		

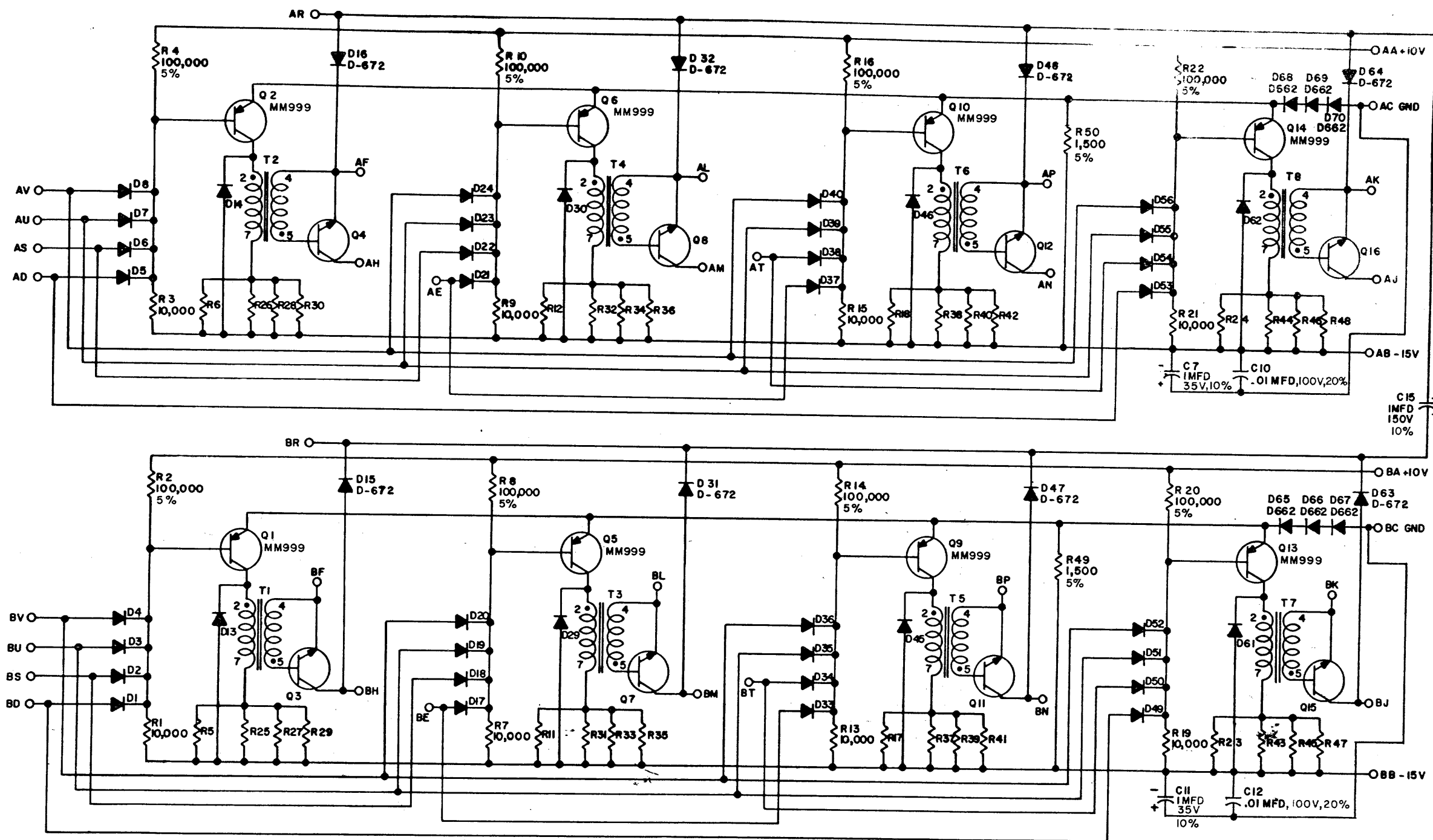
digital
EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS

TITLE			
MEMORY WORD DRIVER G217			
SIZE	CODE	NUMBER	REV.
C	CS	G217-0-1	E
PRINTED CIRCUIT REV.			
H			

DIST 324 434 435 337

PINK

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UNLESS OTHERWISE INDICATED:
TRANSFORMERS ARE T-2071
TRANSISTORS ARE DEC 1011

RESISTORS ARE 1/4 W, 10%
DIODES ARE D-664
RESISTORS ARE 1200

USE THE ETCH BOARD OF THE G209

PARTS LIST A-PL-G219-0-0

REV.	CHK	CHG	NO.	REV.
1	1	1	1	1
2	2	2	2	2
3	3	3	3	3
4	4	4	4	4
5	5	5	5	5
6	6	6	6	6
7	7	7	7	7
8	8	8	8	8
9	9	9	9	9
10	10	10	10	10

DATE	DATE	DATE	DATE
10/1/66	10/1/66	10/1/66	10/1/66
10/1/66	10/1/66	10/1/66	10/1/66
10/1/66	10/1/66	10/1/66	10/1/66

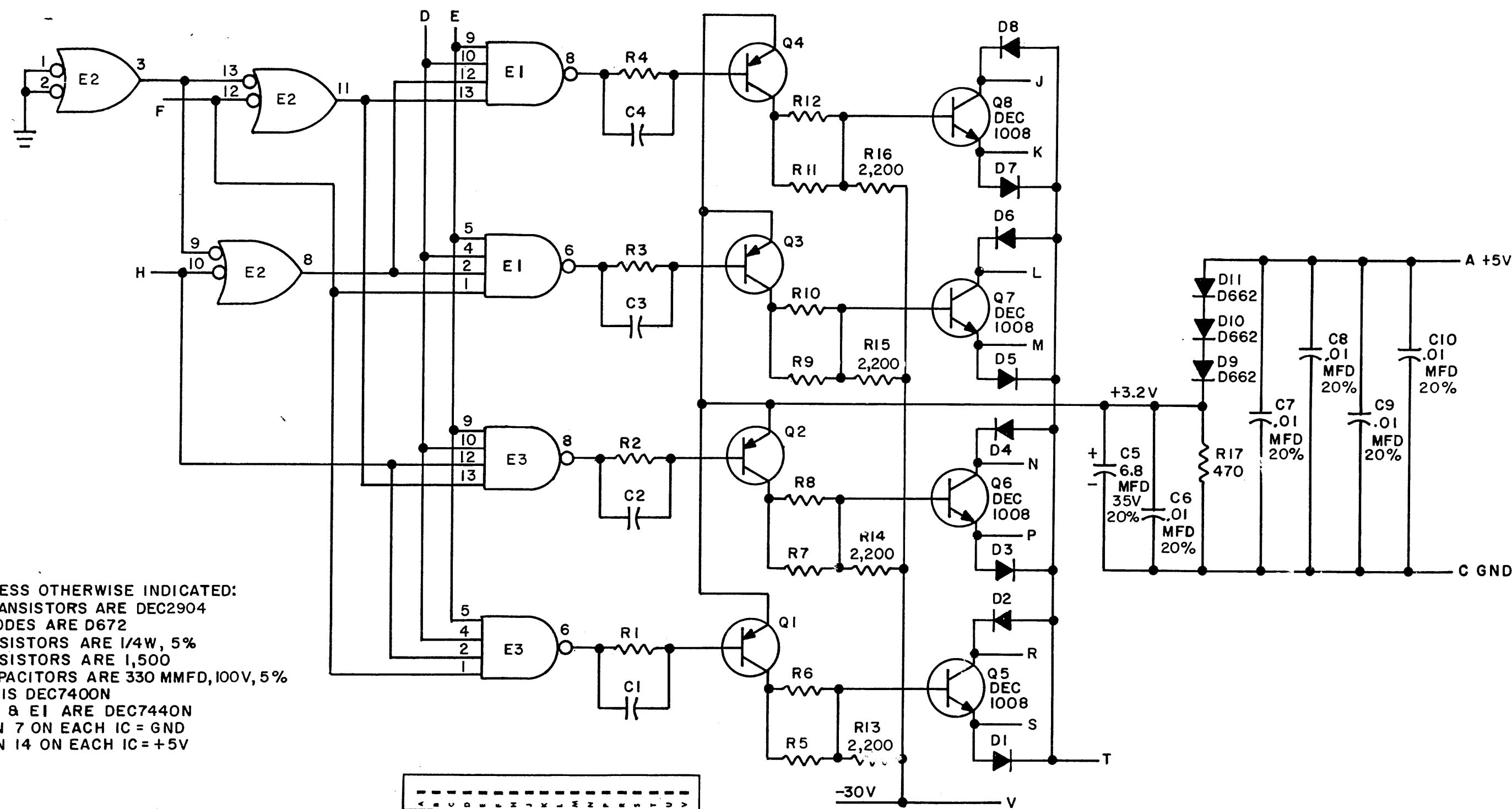
TRANSISTOR & DIODE CONVERSION CHART			
DEC	EIA	DEC	EIA
DEC1011	NONE		
MM999	SAME		
D662	IN645		
D664	IN3606		
D672	IN3653		

digital
EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS

TITLE			
MEMORY SELECTOR G219			
SIZE	CODE	NUMBER	REV.
C	CS	G219-0-1	R
PRINTED CIRCUIT REV.			
H			

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REV. D
NUMBER 6221-0-1
B CS
SIZE CODE



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

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

DRN.	DATE
M. Haller	4-3-67
CHK'D.	DATE
ENG.	DATE
PROD.	DATE

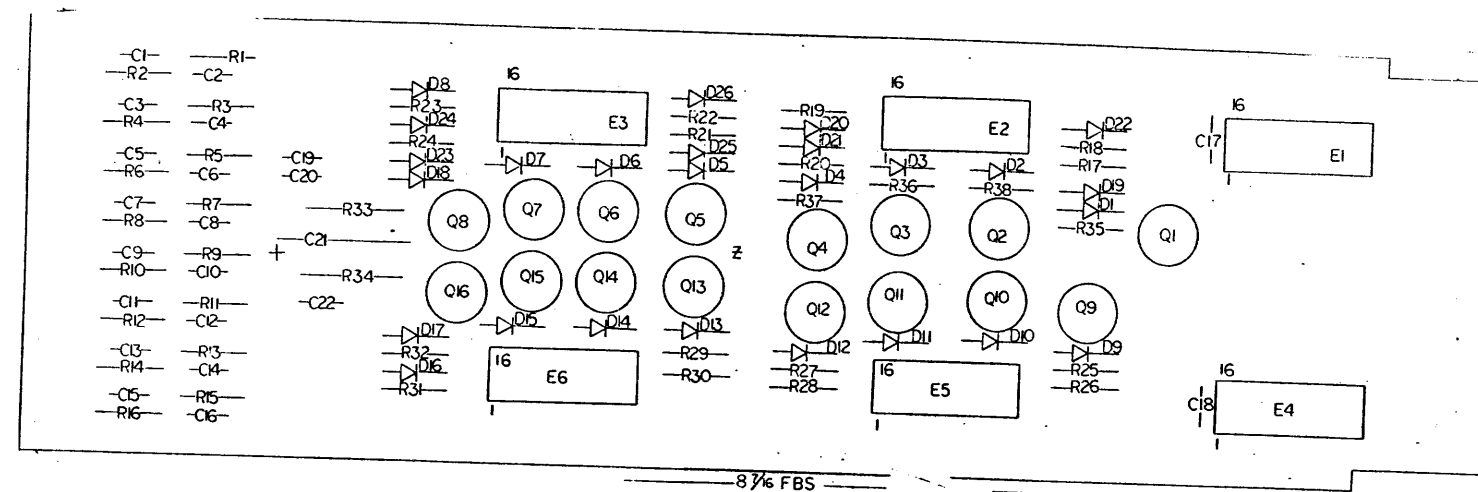
TRANSISTOR & DIODE CONVERSION CHART			
DEC	EIA	DEC	EIA
DEC1008	MM1008		
DEC2904	2N2904		
D662	IN645		
D672	IN3653		

digital
EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS

TITLE			
MEMORY SELECTOR G221			
SIZE	CODE	NUMBER	REV.
B	CS	G221-0-1	D
PRINTED CIRCUIT REV.			
B			

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D 1-0-0226 CS D
REV. 1.1



1		HANDLE, FLTP CHIP - GREEN	9008337-01	23
4	R17 thru R20	RES. 150 Ω 5%	1300250	22
1		PHENOLIC 1/4 DIA. STAND OFF	9008213	21
1		NYLON SCREW	9008212	20
2		EYELETS #334-7	9006732	19
16		TRANSIPADS #1013	9007230	18
2	E1, 4	I.C. DMC 8251 B-9101	1309554	17
4	E2, 3, 5, 6	TRANSFORMER 80 10	1609650	16
16	Q1 thru Q16	TRANSISTOR DMC 10	1509650	15
16	R21-32, R35-38	RES. 100 Ω 5%	1301425	14
16	R1 thru R16	RES. 120 Ω 5%	1300247	13
2	R33, R34	RES. 10 Ω 5%	1300168	12
8	D19 thru D26	DIODE D672	1105275	11
8	D1 thru D4, D9 thru D12	DIODE D660	1102161	10
10	D5 thru D8, D13 thru D18	DIODE D664	1100114	9
16	C1 thru C16	CAP. 1000PF 100V 5% SINGLE DIP	1002344	8
4	C17 thru C20	CAP. .01UF 100V 20% DISC	1001610	7
1	C21	CAP. .39UF 10V 5% TANT 10%	1000076	6
1	C22	CAP. .22UF 50V -20% +80%	1010274	5
1		ETCHED CIRCUIT BOARD	9008532	4
1		MODULE ECO HISTORY	B-M-0226-0-6	3
		ASSY/DRILLING HOLE LAYOUT	D-AH-0226-0-5	2
		X-Y COORDINATE HOLE LOCATION	K-CO-0226-0-4	1
QTY.	REF. DESIGNATION	DESCRIPTION	DEC PART NO.	

REV	DATE	BY	CHKD
1	3-3-72	W. H. H.	W. H. H.
2	3-3-72	W. H. H.	W. H. H.
3	3-3-72	W. H. H.	W. H. H.
4	3-3-72	W. H. H.	W. H. H.
5	3-3-72	W. H. H.	W. H. H.
6	3-3-72	W. H. H.	W. H. H.
7	3-3-72	W. H. H.	W. H. H.
8	3-3-72	W. H. H.	W. H. H.
9	3-3-72	W. H. H.	W. H. H.
10	3-3-72	W. H. H.	W. H. H.

DATE	BY	CHKD
3-3-72	W. H. H.	W. H. H.
3-3-72	W. H. H.	W. H. H.
3-3-72	W. H. H.	W. H. H.
3-3-72	W. H. H.	W. H. H.
3-3-72	W. H. H.	W. H. H.
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3-3-72	W. H. H.	W. H. H.
3-3-72	W. H. H.	W. H. H.
3-3-72	W. H. H.	W. H. H.

DATE	BY	CHKD
3-3-72	W. H. H.	W. H. H.
3-3-72	W. H. H.	W. H. H.
3-3-72	W. H. H.	W. H. H.
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3-3-72	W. H. H.	W. H. H.
3-3-72	W. H. H.	W. H. H.

DATE	BY	CHKD
3-3-72	W. H. H.	W. H. H.
3-3-72	W. H. H.	W. H. H.
3-3-72	W. H. H.	W. H. H.
3-3-72	W. H. H.	W. H. H.
3-3-72	W. H. H.	W. H. H.
3-3-72	W. H. H.	W. H. H.
3-3-72	W. H. H.	W. H. H.
3-3-72	W. H. H.	W. H. H.
3-3-72	W. H. H.	W. H. H.
3-3-72	W. H. H.	W. H. H.

DATE	BY	CHKD
3-3-72	W. H. H.	W. H. H.
3-3-72	W. H. H.	W. H. H.
3-3-72	W. H. H.	W. H. H.
3-3-72	W. H. H.	W. H. H.
3-3-72	W. H. H.	W. H. H.
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3-3-72	W. H. H.	W. H. H.

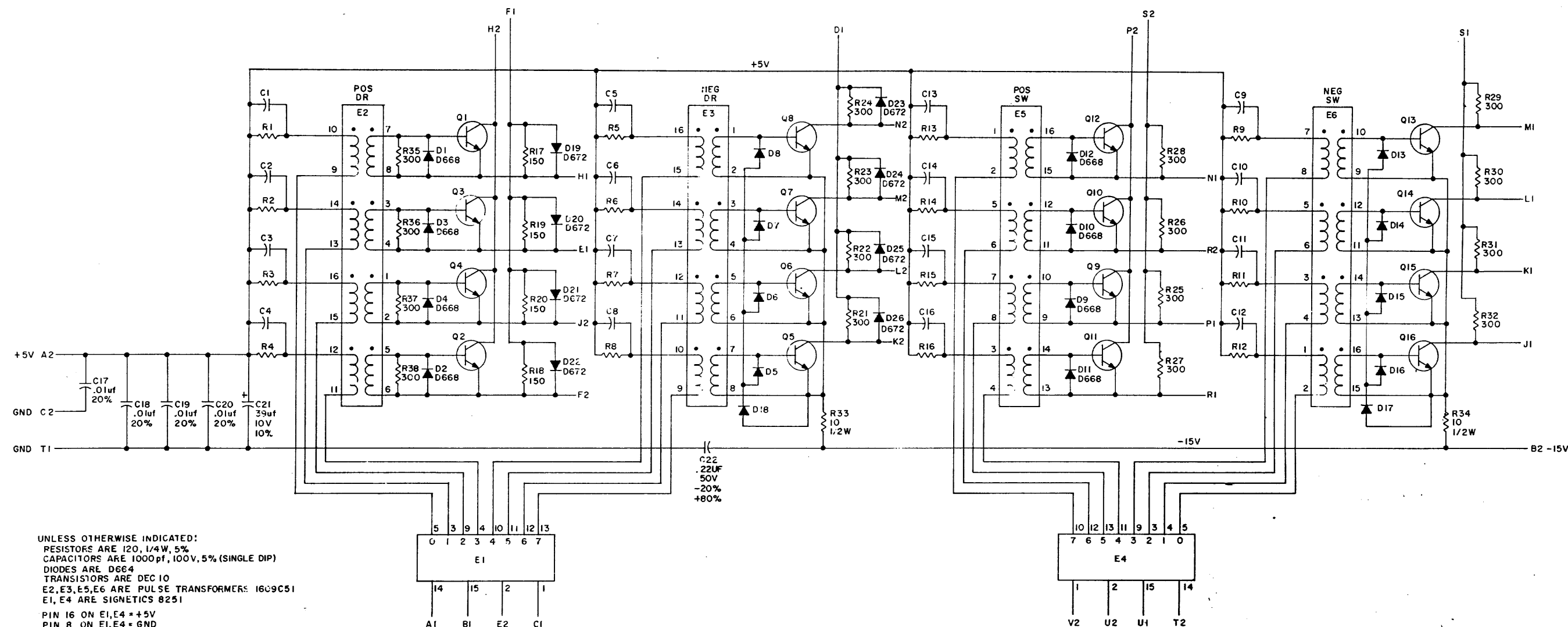
DATE	BY	CHKD
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3-3-72	W. H. H.	W. H. H.
3-3-72	W. H. H.	W. H. H.
3-3-72	W. H. H.	W. H. H.
3-3-72	W. H. H.	W. H. H.
3-3-72	W. H. H.	W. H. H.

*TWO IN3606'S IN SERIES

SHEET 1 OF 2

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D 1-0-9226 CS 3/21



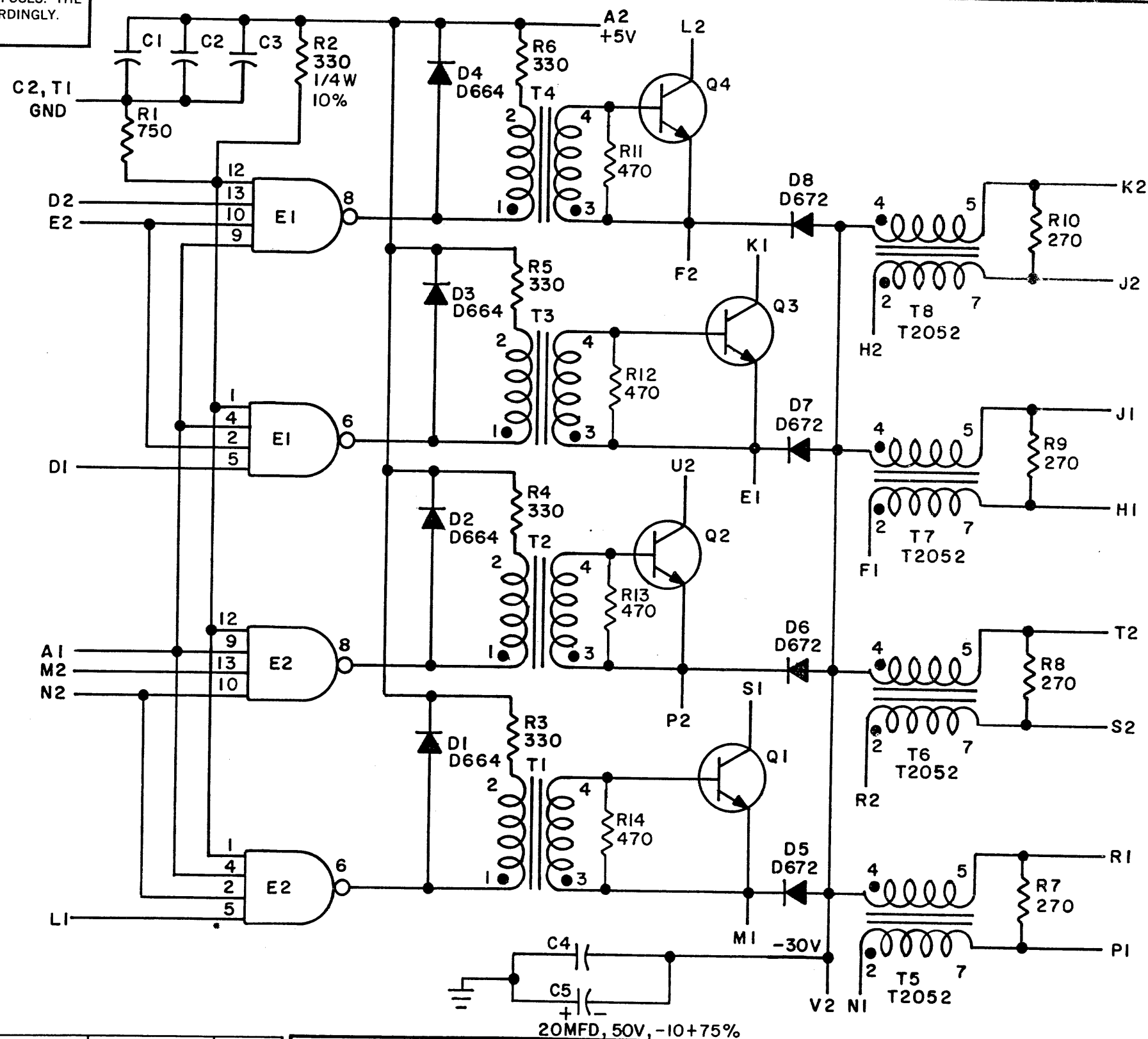
REVISIONS
 CHG NO. 1
 CHG NO. 2

DRN BUTLER
 CHWD T.A. NALETTE
 ENG P. SULLIVAN
 PROD. DATE 11-70

TRANSISTOR & DIODE CONVERSION CHART			
DEC	EM	DEC	EM

TITLE X-Y DECODER SWITCH
 EQUIPMENT CORPORATION
 SIZE CODE NUMBER
 D CS 6226-0-1
 PRINTED CIRCUIT REV. D

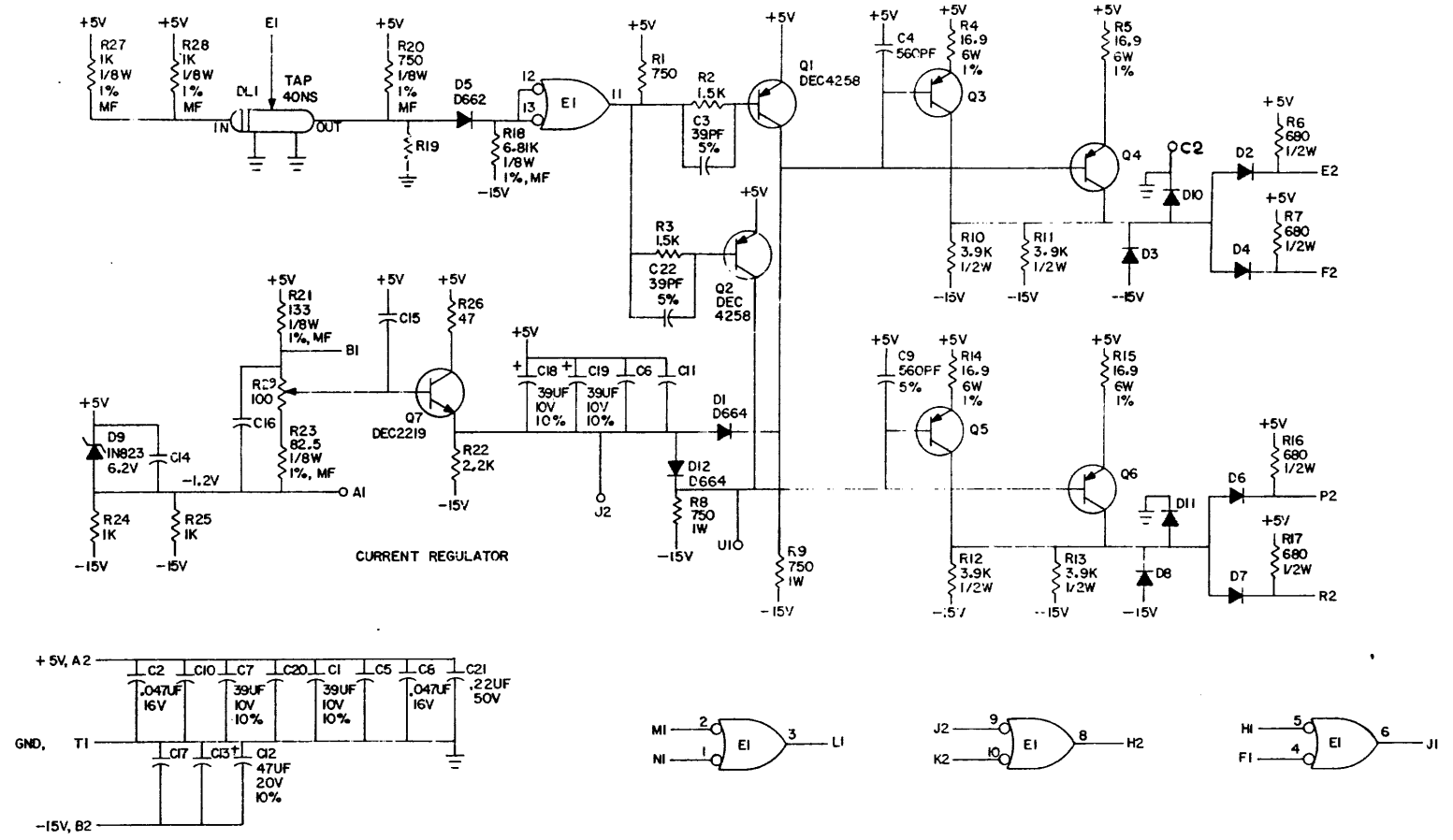
SIZE	CODE	NUMBER	REV.
7	CS	6228-0-1	F



20MFD, 50V, -10+75%

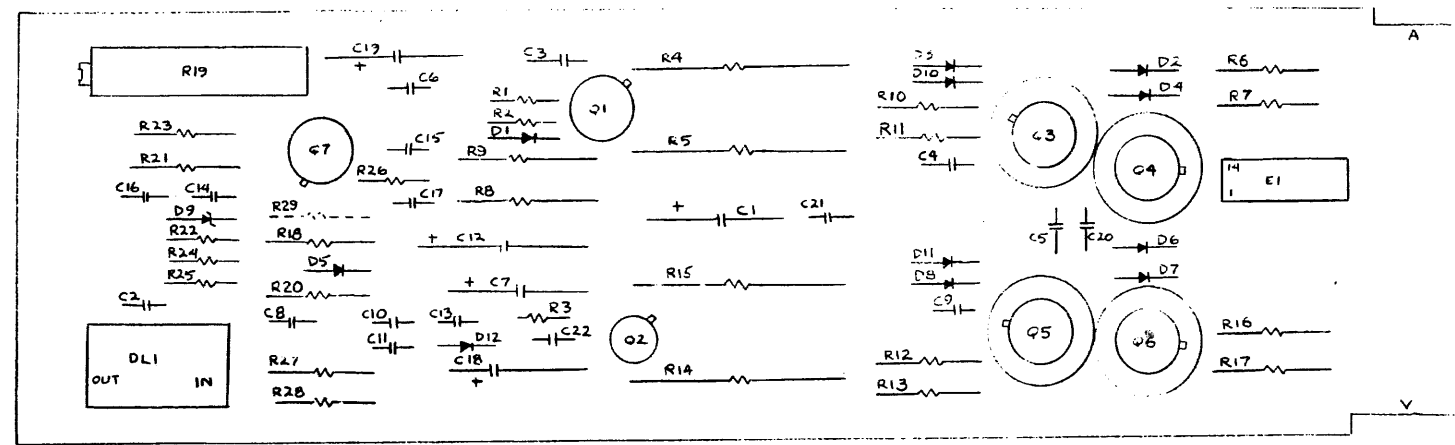
digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS	TITLE INHIBIT DRIVER G228			
	SIZE B	CODE CS	NUMBER G228-0-1	REV. F
PRINTED CIRCUIT REV.			H	

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39	1010274	TAP, 22UF 50V	1
38	900R268	WAFER 150 THERMAL COPPER	1
37	9008337-01	HANDLE, FLIP CHIP - GREEN	1
36	9006732	EYELET WGS 4-7	2
35	1909056	I.C. DEC 74H00	1
34	1609429	DV 540 VARIABLE DELAY	1
33	1509649	TRANSISTOR 2N 3762	4
32	1505321	TRANSISTOR DEC 4258	2
31	1501881	TRANSISTOR DEC 2219-S	1
30	1309679	RES. 16.9, 6W, 1%	4
29	1305410	TRIMPOT 100	1
28	1302955	RES. 750, 1/8W, 1% MF	1
27	1304870	RES. 6.81K, 1/8W, 1% MF	1
26	1303114	RES. 1K, 1/8W, 1% MF	2
25	1303038	RES. 133, 1/8W, 1% MF	1
24	1302875	RES. 82.5, 1/8W, 1% MF	1
23	1302385	RES. 750, 1W, 5%	2
22	1301401	RES. 750, 1W, 5%	1
21	1300443	RES. 3.9K, 1W, 5%	4
20	1300417	RES. 2.2K, 1W, 5%	1
19	1300391	RES. 1.5K, 1W, 5%	2
18	1300375	RES. 1K, 1W, 5%	2
17	1300347	RES. 680, 1W, 5%	4
16	1300202	RES. 47, 1W, 5%	1
15	1202313	HEAT SINK 22116	4
14	1105508	DIODE 1N823	1
13	1105275	DIODE D672	8
12	1100114	DIODE D664	2
11	1100113	DIODE D662	1
10	1009678	CAP. .047UF, 16V, 50% -20%	2
9	1004814	CAP. 47UF, 20V, 10% S. TANT	1
8	1001610	CAP. .01UF, 100V, 10%	10
7	1000076	CAP. 39UF, 10V, 10% S. TANT	4
6	1000025	CAP. 560PF, 100V, 5%	2
5	1000010	CAP. 39PF, 100V, 5%	2
4	5009401	ETCHED CIRCUIT BOARD	1
3	B-PH-G230-0-6	MODULE ECC HISTORY	
2	D-AH-G230-0-5	ASSY/HCLS DRAWING LAYOUT	
1	K-CC-G230-0-4	X-Y COORDINATE HCLS LOCATION	
ITEM NO.	DEC PART NO.	DESCRIPTION	QTY.
		PARTS LIST	

UNLESS OTHERWISE INDICATED:
DIODES = D672
RESISTORS = 1/4W, 5%
TRANSISTORS = DEC3762 WITH HEATSINK
CAPACITORS = .01UF, 100V, 20%
E1 = DEC74H00
PIN 14 = +5V
PIN 7 = GND
NOTE:
PINS C1 AND N2 ARE USED IN THE BACKPLANE FOR CURRENT LOOPS. THEY CANNOT BE USED ON THE MODULE.
DOTTED COMPONENTS ARE NOT USED IN THIS MODULE.



REVISIONS
CHG NO. REV
1 00001 D

DATE
1/15/71

BY
S. J. BROWN

PROD
DATE

TRANSISTOR & DIODE CONVERSION CHART

DEC	EA	DEC	EA
D672	1N8435	1N823	SAME
D662	1N8438		
DEC4258	2N4258		
DEC3762	1N3406		

digital EQUIPMENT CORPORATION

PRINTED CIRCUIT REV. 0

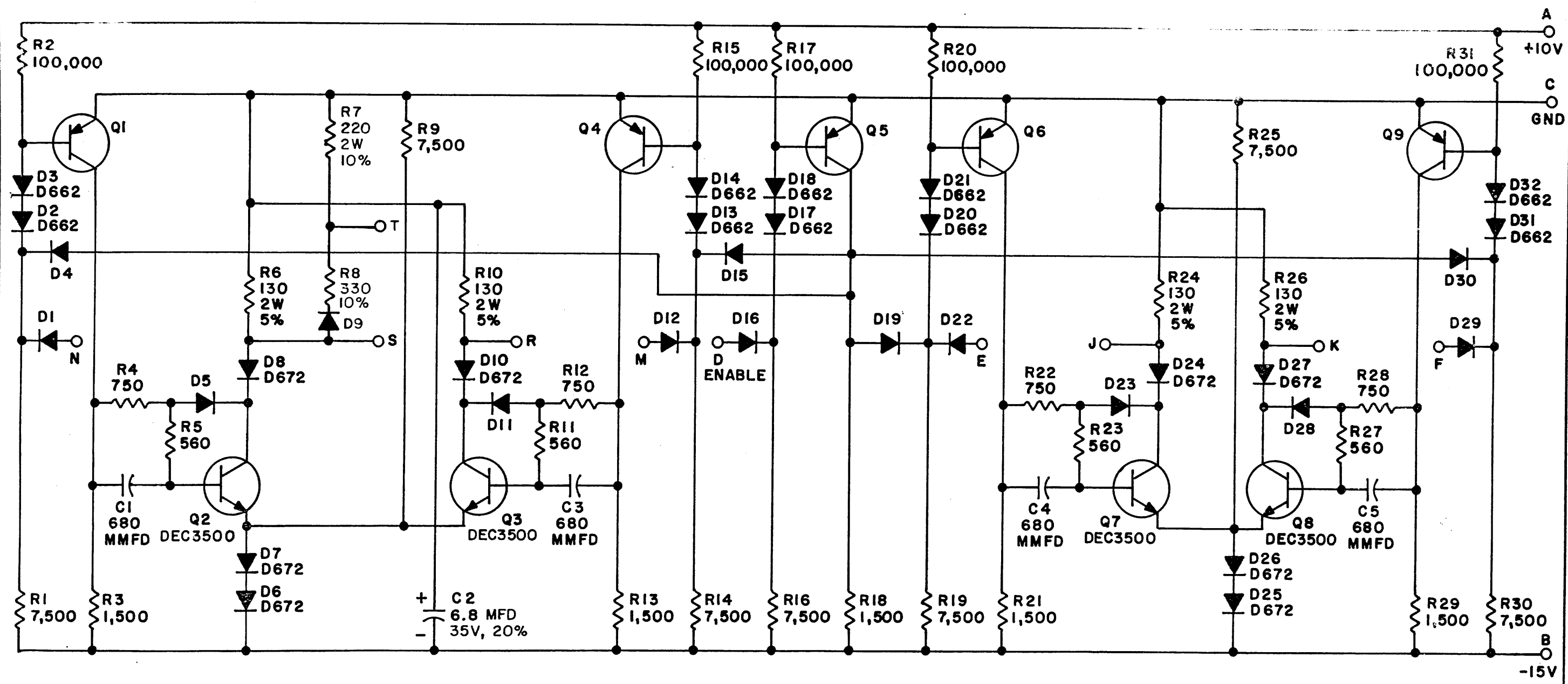
TITLE
X AND Y CURRENT GENERATOR G230

REV. CODE
D CS

NUMBER
6230-0-1

REV.
D

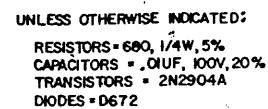
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UNLESS OTHERWISE INDICATED:
TRANSISTORS ARE DEC6534B
DIODES ARE D664
RESISTORS ARE 1/4 W; 5%

< 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 >

REVISIONS	CHK	CHG NO.	REV.	B	DRN. <i>M. Haller</i>	DATE 2-16-67	TRANSISTOR & DIODE CONVERSION CHART				TITLE WRITE DRIVER G287					
	CHK'D	DATE 2/16/67	DEC				EIA	DEC	EIA							
					ENG.	DATE 2/16/67	DEC3500	2N3500			digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS	SIZE B	CODE CS	NUMBER G287-0-1	REV. B	
					PROD.	DATE	DEC6534B	MP86534				PRINTED CIRCUIT REV.				
							D662	IN645								
							D664	IN3606								
							D672	IN3653								



REVISIONS	
CHK	CHG NO. REV.
57	00001 D
58	00002 E

3 Sigsbee 11 27-20

ED. MARTELLO

RIA 4/1

ORN. NANCY MOORE	DATE 12/2/70
CHRD. I. H. H. H.	DATE 12/12/70
ENG. M. M. M. M.	DATE 12/16/70
PROD. M. M. M. M.	DATE

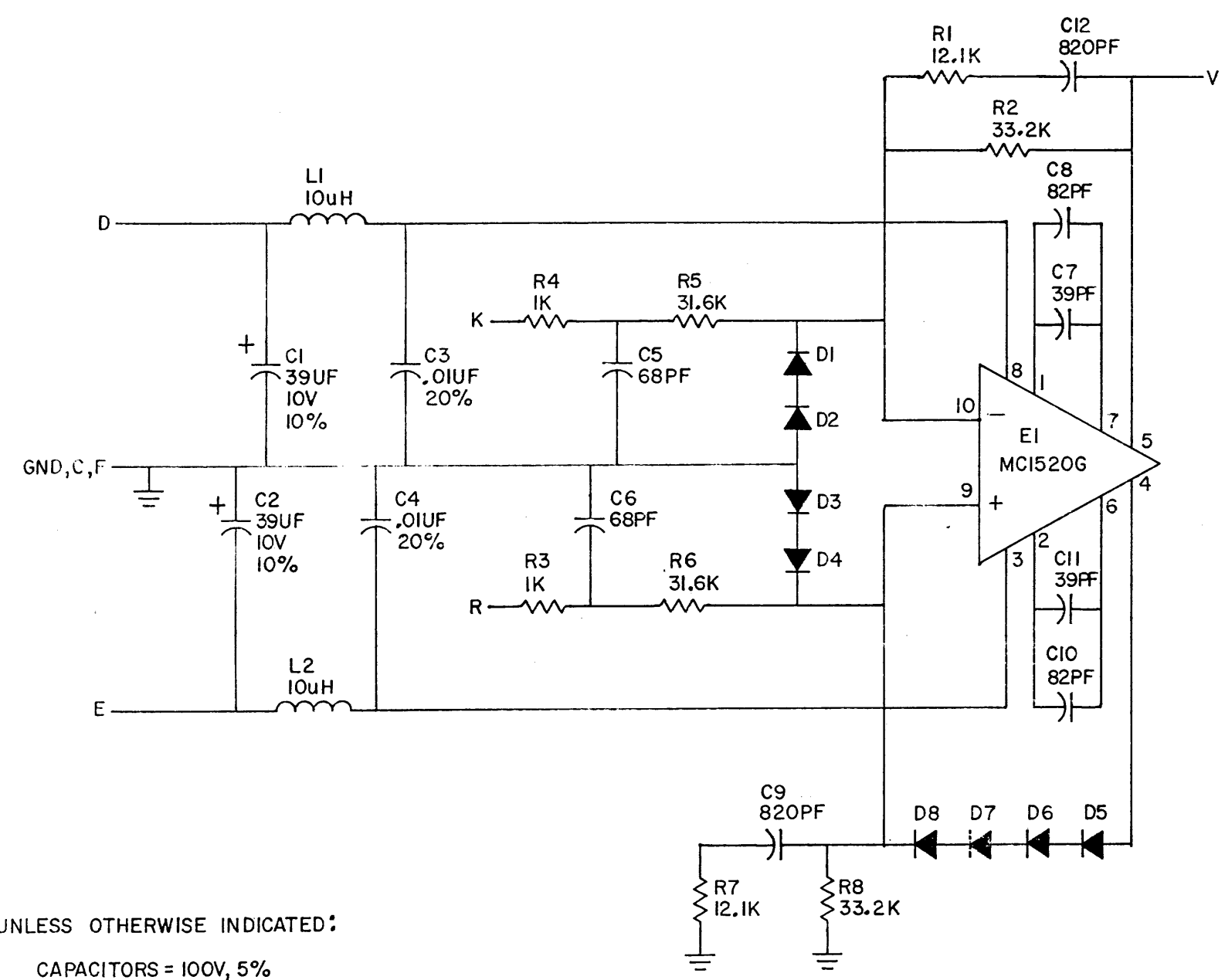
DEC	EIA	DEC	EIA
D884	IN3406	2N2904	SAME
DEC3009B	2N3009B		

digital
EQUIPMENT
CORPORATION
MAYFARL, MASSACHUSETTS

TITLE		HEAD 1		VER G350	
SIZE	CODE	NUMBER		REV.	
D	CS	G350-0-1		E	
PRINTED CIRCUIT RE					

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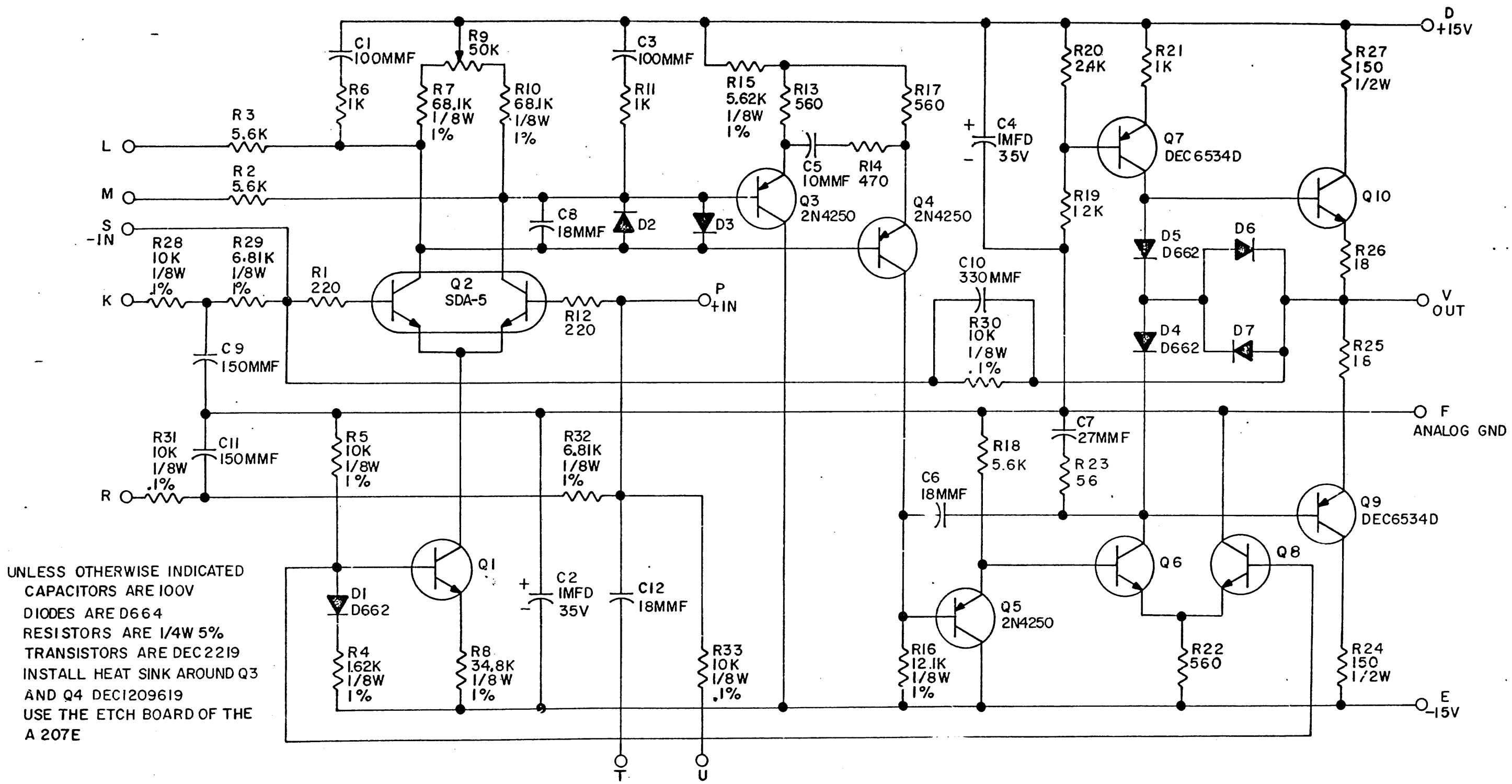
REV C
NUMBER 6589-0-1
SIZE B
CODE CS



UNLESS OTHERWISE INDICATED:
CAPACITORS = 100V, 5%
DIODES = D664
RESISTORS = 1/8W, 1%, MF

REVISIONS CHK CHG NO. REV. PLO 00002 B REV & REDR 00003 C				DRN R. CLEMENS CHK'D A. YAUGA ENG. <i>[Signature]</i> PROD. <i>[Signature]</i>		DATE 9/10/69 DATE 9/15/69 DATE DATE		TRANSISTOR & DIODE CONVERSION CHART <table border="1"> <tr> <th>DEC</th> <th>EIA</th> <th>DEC</th> <th>EIA</th> </tr> <tr> <td>D664</td> <td>IN3606</td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> </tr> </table>				DEC	EIA	DEC	EIA	D664	IN3606															digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS		TITLE FILTERED DIFFERENTIAL AMPLIFIER SIZE B CODE CS NUMBER 6589-0-1 REV. C PRINTED CIRCUIT REV. C			
DEC	EIA	DEC	EIA																																		
D664	IN3606																																				

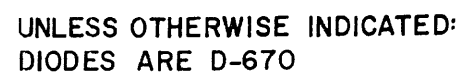
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COPYRIGHT 1969 BY DIGITAL EQUIPMENT CORPORATION



UNLESS OTHERWISE INDICATED
CAPACITORS ARE 100V
DIODES ARE D664
RESISTORS ARE 1/4W 5%
TRANSISTORS ARE DEC2219
INSTALL HEAT SINK AROUND Q3
AND Q4 DEC1209619
USE THE ETCH BOARD OF THE
A 207E

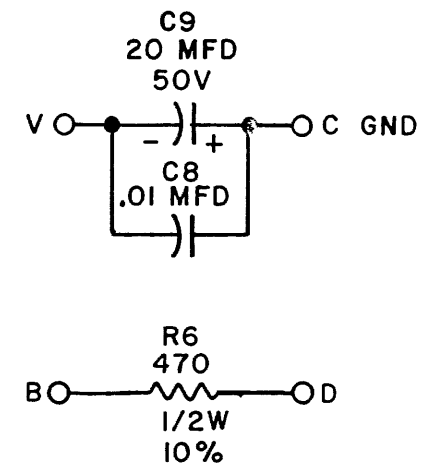
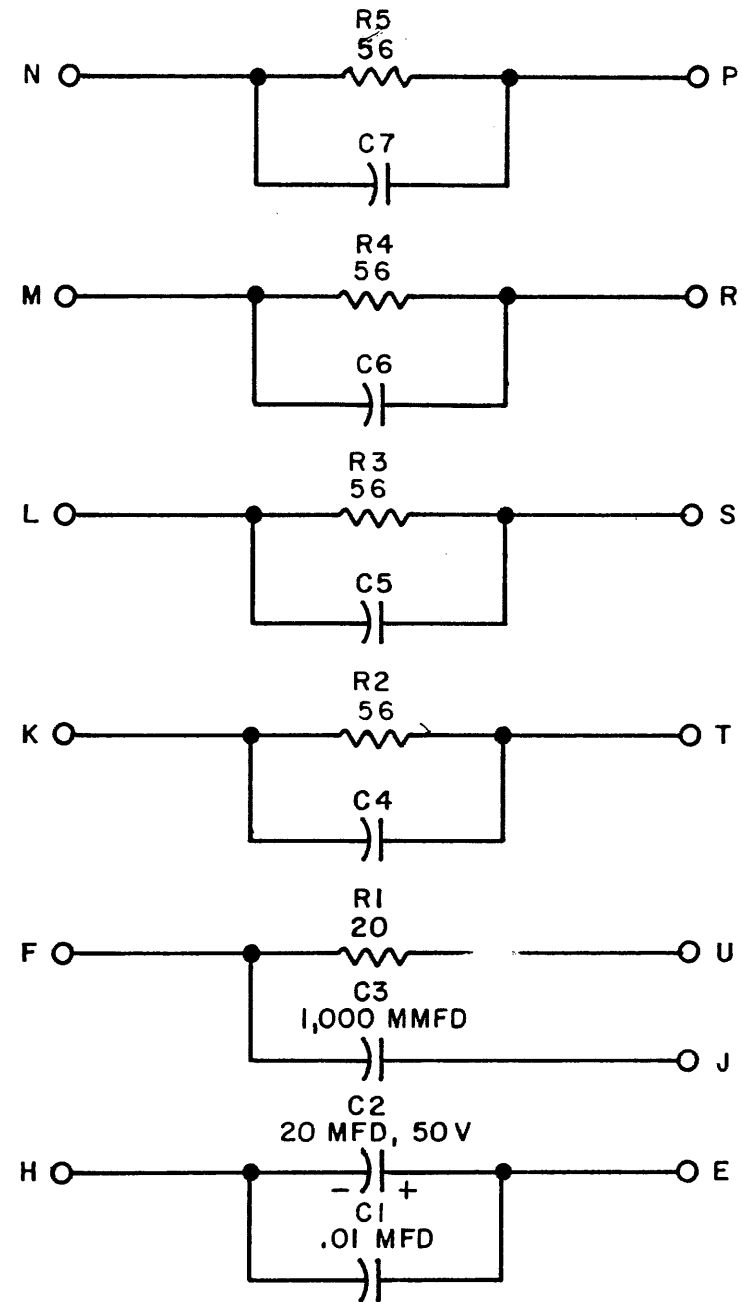
REVISIONS CHK CHG NO. REV. E 3/1/00004	DRN. <i>P. Blum</i> DATE 9-3-69	TRANSISTOR & DIODE CONVERSION CHART				 EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS	TITLE FILTERED DIFFERENTIAL AMPLIFIER G590			
	CHK'D <i>A. Gump</i> DATE 9-15-69	DEC	EIA	DEC	EIA		SIZE B	CODE CS	NUMBER G590-0-1	REV. E
	ENG. <i>C. Weston</i> DATE 10/22/69	D662	1N645	SDA-5	SAME					
	PROD. <i>S. H. Jones</i> DATE 9-11-74	D664	1N3606							
		DEC6534D	MPS6534D							
		2N4250	NONE							
		DEC2219	2N2219							

CS-B-G604



		ECO. NO.	DRAFTSMAN H.W. PORTER DATE 1-26-65	CHECKER <i>[Signature]</i> DATE 2-11-65	digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS	CODE CS	DWG. NO. B-G604	REV.
		ENG.	ENGINEER <i>Thomas Hughes</i> DATE 2/11/65	PRODUCTION DATE	TITLE MEMORY SELECTOR MATRIX G604			

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

< A B C D E F G H I J K L M N O P Q R S T U V W X Y Z >

REVISIONS	
CHK	CHG NO. REV.
	6442 A
	6561 B
	6709 C
	00001 D

DRN.	DATE
M. Haller	5-24-67
CHK'D	DATE
J. J. J.	5/24/67
ENG.	DATE
J. J. J.	5/24/67
PROD.	DATE

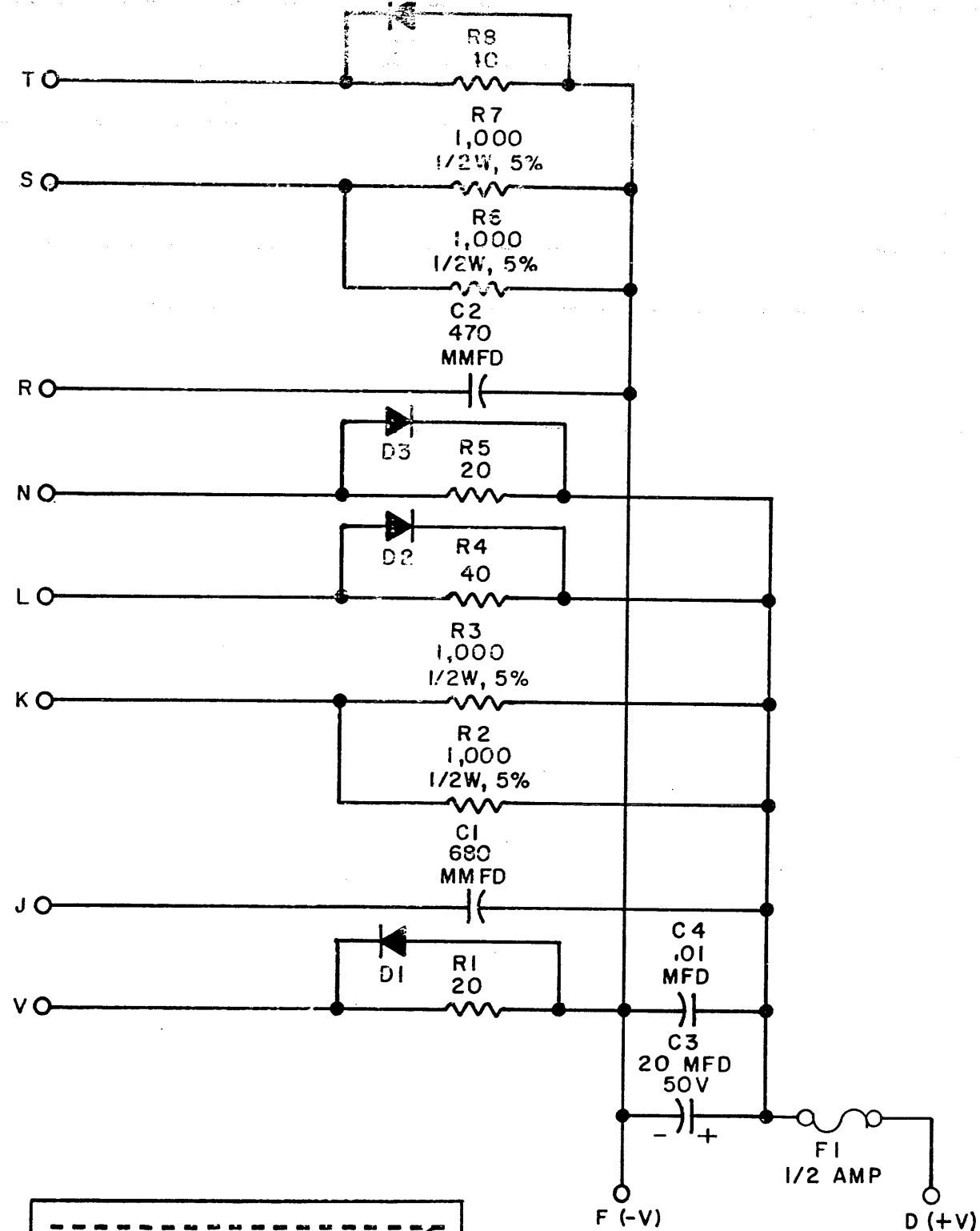
TRANSISTOR & DIODE CONVERSION CHART			
DEC		EIA	

digital
EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS

TITLE			
RESISTOR BOARD G624			
SIZE	CODE	NUMBER	REV.
B	CS	G624-0-1	D
PRINTED CIRCUIT REV.			C

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REV. B
NUMBER 6626-0-1
SIZE CODE 2

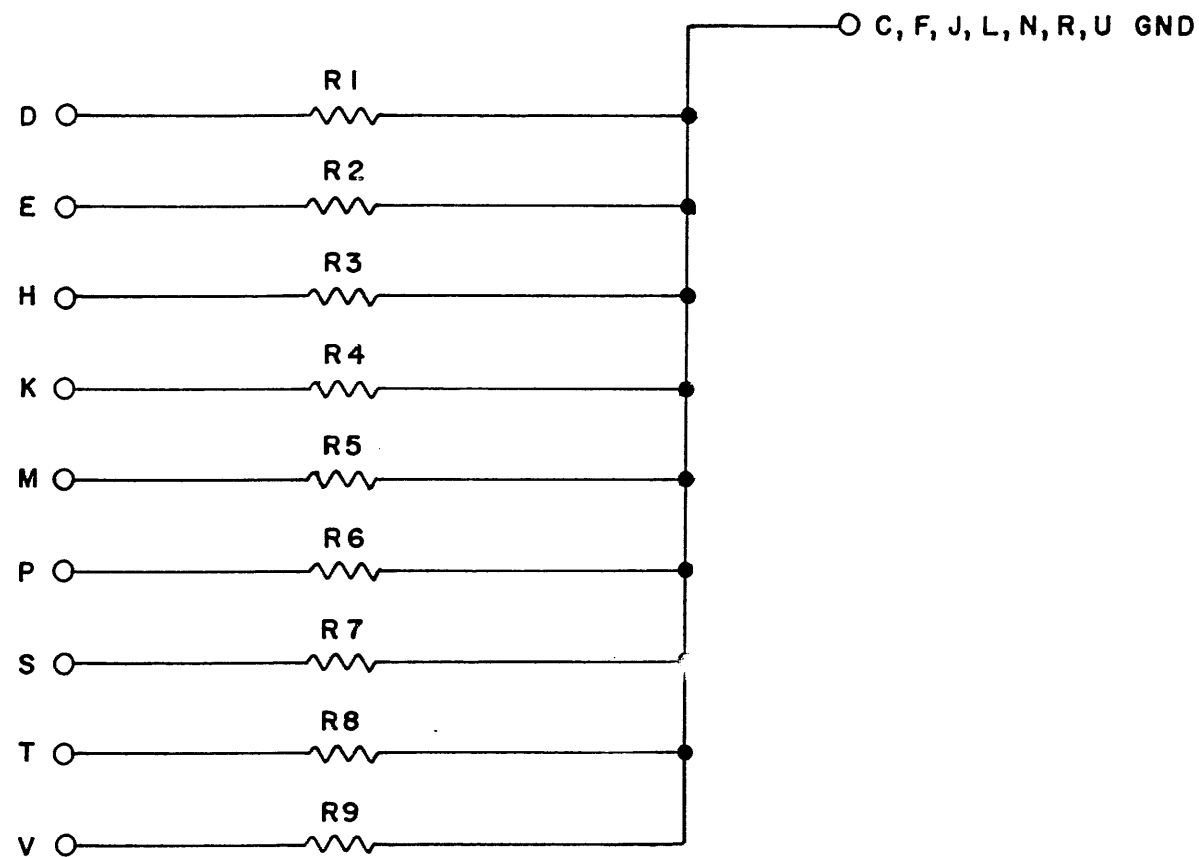


UNLESS OTHERWISE INDICATED:
RESISTORS ARE 10W, 1% LOW INDUCTANCE
DIODES ARE D671

PARTS LIST IS A-PL-G626-0-0

REVISIONS		DRN.	DATE	TRANSISTOR & DIODE CONVERSION CHART				digital	TITLE				
CHK	CHG NO. REV.	6863	A	DEC	EIA	DEC	EIA		RESISTOR BOARD G626				
6863	00001	B		D671	IN3653								
		ENG.	DATE					EQUIPMENT CORPORATION		SIZE	CODE	NUMBER	REV.
		PROD.	DATE					MAYNARD, MASSACHUSETTS		B	CS	G626-0-1	B
										PRINTED CIRCUIT REV.			C

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



REVISIONS	CHK	CHG NO.	REV.	A						
	6401									
DRN.		DATE		TRANSISTOR & DIODE CONVERSION CHART				TITLE		
M. Haller		11-10-66		DEC	EIA	DEC	EIA	100Ω TERMINATOR G700		
CHK'D		DATE								
R. Schreiner		11/14/66								
ENG.		DATE								
J. E. View		11-14-66								
PROD.		DATE								
				digital				EQUIPMENT CORPORATION		
				MAYNARD, MASSACHUSETTS						
				SIZE				CODE	NUMBER	REV.
				B				CS	G700-0-1	A
				PRINTED CIRCUIT REV.				B		

SIZE	CODE	NUMBER	REV.
	00	2703-0-1	A



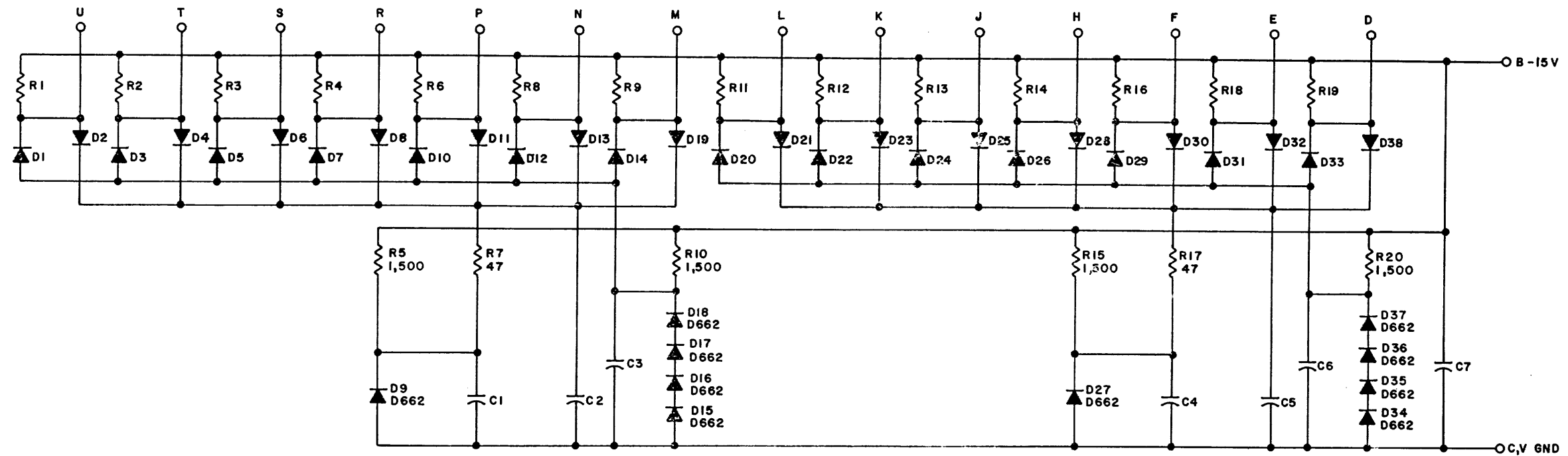
REVISIONS		CHG NO.		REV.		A	
CHK		00001		00001		A	
DRN.		M. Haller		DATE		7-25-67	
CHK'D		M. Haller		DATE		7-25-67	
ENG.		Allan Kent		DATE		25 Jul 67	
PROD.				DATE			

TRANSISTOR & DIODE CONVERSION CHART			
DEC	EIA	DEC	EIA

digital			
EQUIPMENT CORPORATION			
MAYNARD, MASSACHUSETTS			

TITLE			
100Ω TERMINATOR G703			
SIZE	CODE	NUMBER	REV.
B	CS	G703-0-1	A
PRINTED CIRCUIT REV.			A B

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UNLESS OTHERWISE INDICATED:
RESISTORS ARE 1/4 W, 5%
RESISTORS ARE 7,500
CAPACITORS ARE .01 MFD
DIODES ARE D664

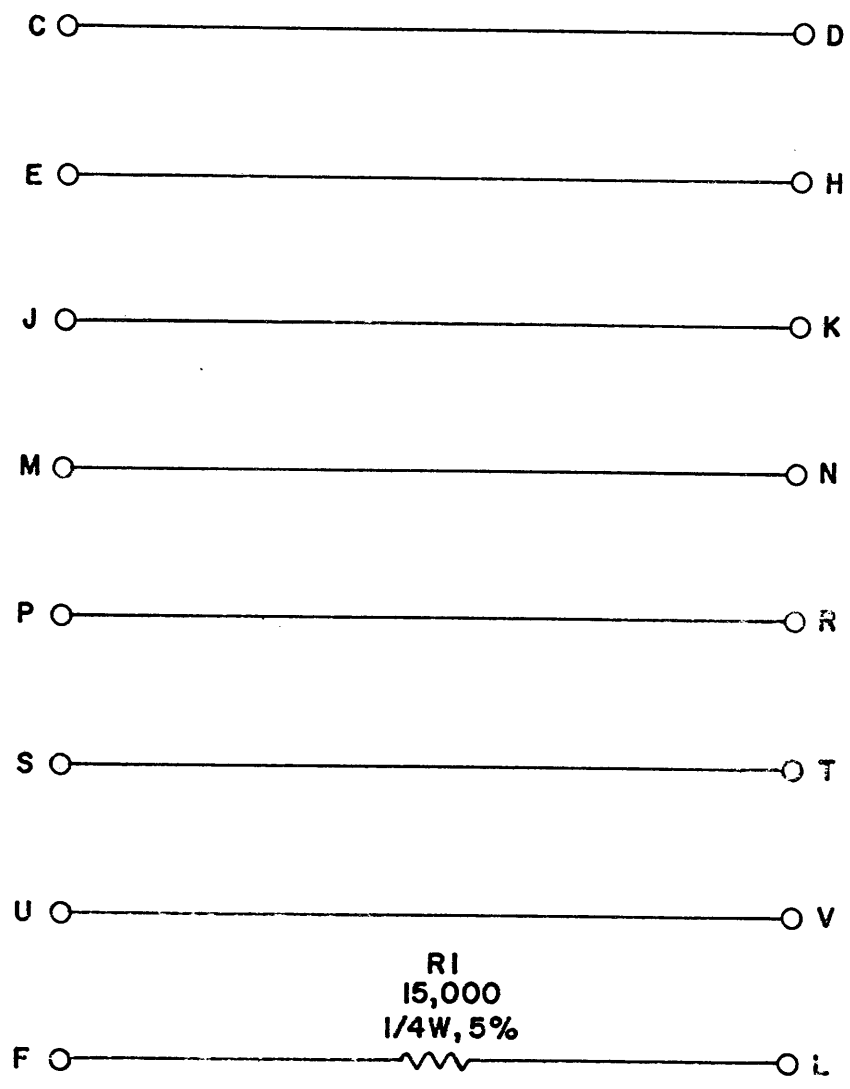
USE THE ETCH BOARD OF THE G796

REVISIONS		CHK NO. REV.		DATE		DRN.		DATE		TRANSISTOR & DIODE CONVERSION CHART		TITLE	
1		1		7-24-67		M. Haller		7-24-67		DEC EIA DEC EIA		2 mA LEVEL	
2		2		7-25-67		CHK'D		7-25-67		D662 IN645		TERMINATOR G704	
3		3		7-25-67		ENG.		7-25-67		D664 IN3606		EQUIPMENT	
4		4		7-25-67		PROD.		7-25-67				CORPORATION	
5		5		7-25-67				7-25-67				MAYNARD, MASSACHUSETTS	
6		6		7-25-67				7-25-67				PRINTED CIRCUIT REV.	
7		7		7-25-67				7-25-67				A B	



REV. A	NUMBER 6705-0-1	SIZE B	CODE CS
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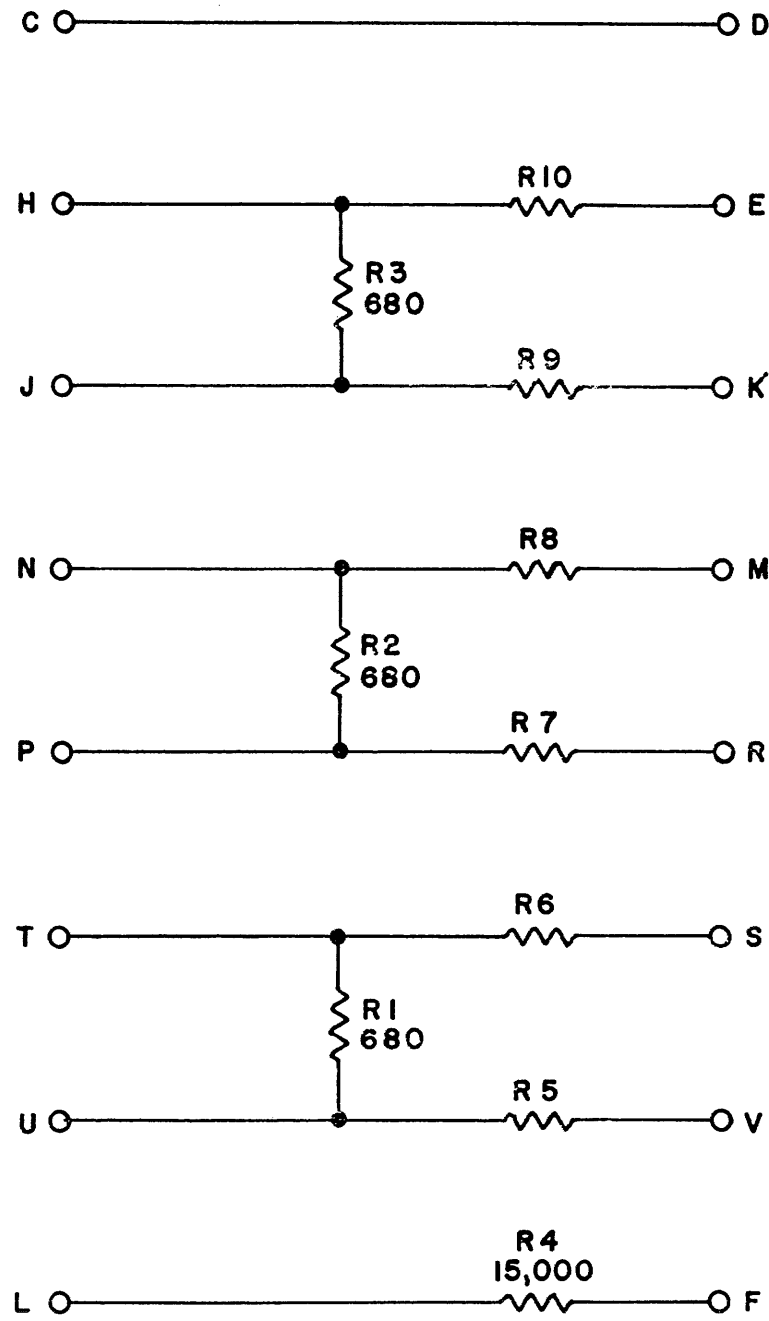
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PARTS LIST A-PL-G705-0-0

REVISIONS CHK CHG NO. REV.	DRN. <i>M. Keller</i>		DATE 10-12-67		TRANSISTOR & DIODE CONVERSION CHART				digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS	TITLE DECTAPE JUMPER MODULE G705			
	CHK'D		DATE		DEC	EIA	DEC	EIA		SIZE B	CODE CS	NUMBER 6705-0-1	REV. A
	ENG. <i>D. R. 10-16-67</i>		DATE 10-16-67										
	PROD. I		DATE										
DEC FORM NO. 100					DIST. 2011/11/11					PRINTED CIRCUIT REV. A B			

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UNLESS OTHERWISE INDICATED:
RESISTORS ARE 1,000
RESISTORS ARE 1/4W, 5%

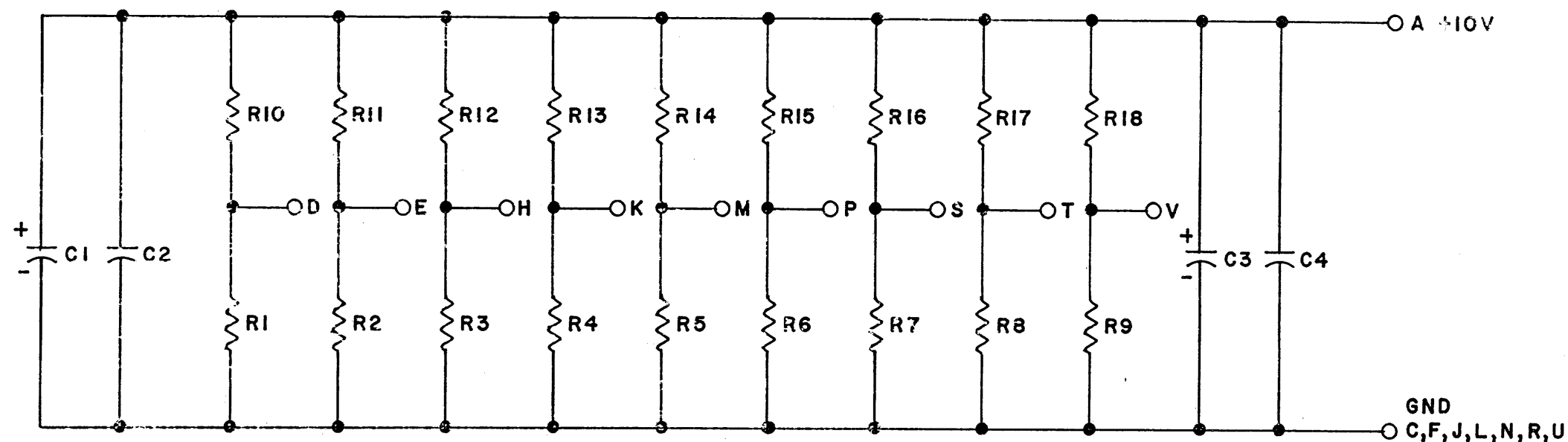
4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

PARTS LIST A-PL-G706-0-0

REVISIONS	CHK CHG NO. REV.	DRN. <i>M. Haller</i>	DATE <i>10-12-67</i>	TRANSISTOR & DIODE CONVERSION CHART				digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS	TITLE DECTAPE ATTENUATOR G706			
		CHK'D <i>J. Gross</i>	DATE <i>11/12/67</i>	DEC	EIA	DEC	EIA		SIZE B	CODE CS	NUMBER 6706-0-1	REV. A
		ENG. <i>J. Gross</i>	DATE <i>10/16/67</i>									
		PROD. <i>I</i>	DATE									
								PRINTED CIRCUIT REV. <i>A B</i>				

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REV. B
NUMBER 6715-0-1
SIZE CODE 3003



TEST PROCEDURE
MEASURE VOLTAGE AT PINS D,E,H,K,M,P,S,T,V TO GND (+4V)

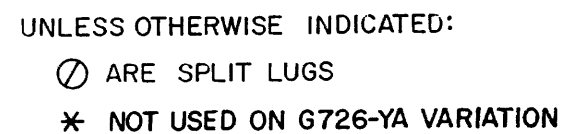
A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

R10 - R18	RES. 270 1/2W 5% CC	1300285
R1 - R9	RES. 180 1/4W 5% CC	1301322
C2, C4	CAP. .01 MFD 100V 20% DISC	1001610
C1, C3	CAP. 3.9 MFD 10V 10%	1000064
PARTS LIST		A-PL-6715-0-0
REFERENCE DESIGNATION	DESCRIPTION	PART NO.

REVISIONS	CHK CHG NO. REV.	DATE	DRN.	DATE	TRANSISTOR & DIODE CONVERSION CHART		digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS	TITLE TERMINATOR G715			
1	00001	A	M. Waller	8-12-68	DEC	EIA		SIZE	CODE	NUMBER	REV.
2	00002	B	M. Waller	8-14-68				B	CS	6715-0-1	B
3	00003	C	M. Waller	8-14-68							
J. DREW				DATE	PRINTED CIRCUIT REV.						

SIZE	B	CODE	CS	NUMBER	6726-0-1	REV.	C
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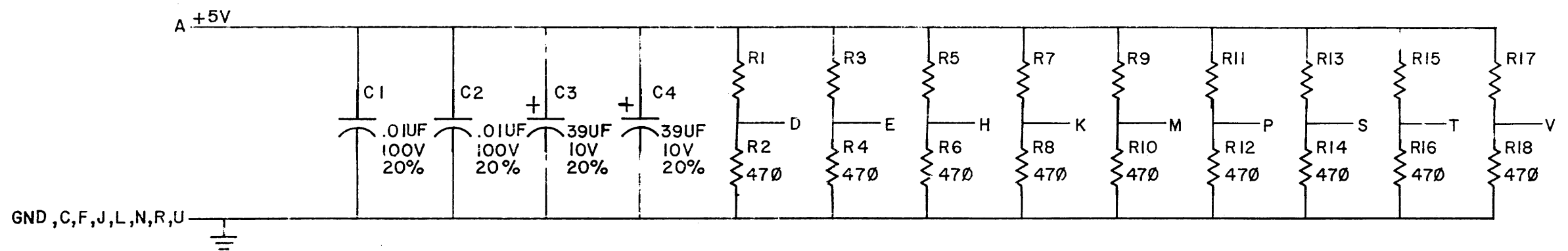


DEC FORM NO.
DRB 102

5 DIST 329,439,440 Y 1 K



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UNLESS OTHERWISE INDICATED;
RESISTORS ARE 220, 1/4W, 5%

REVISIONS	CHK	CHG NO.	REV.	DRN. <i>George Wyatt</i>	DATE <i>8/24/70</i>	TRANSISTOR & DIODE CONVERSION CHART				digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS	TITLE TERMINATOR G737			
				CHK'D <i>W. Sullivan</i>	DATE <i>7-24-70</i>	DEC	EIA	DEC	EIA		SIZE B	CODE CS	NUMBER G737-0-1	REV. A
				ENG. <i>J. Sullivan</i>	DATE <i>12-24-70</i>									
				PROB. <i>P. Sullivan</i>	DATE <i>7-20-70</i>									
										PRINTED CIRCUIT REV. A				

SIZE	B	CS	NUMBER	6742-0-1	REV.
------	---	----	--------	----------	------

H2 - _____ -FI

K2-- -J1

M2 - -LI

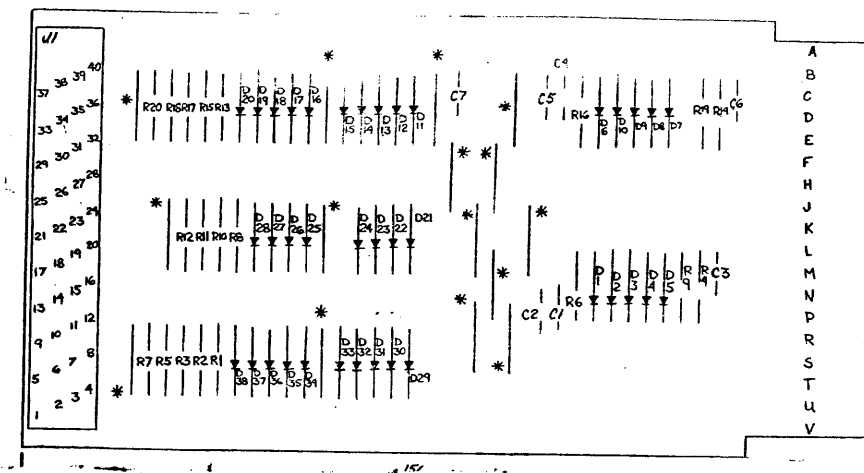
P2 - - - - - NI

S2 . -RI

R2 . - U2

UI - -VI

[illegible]

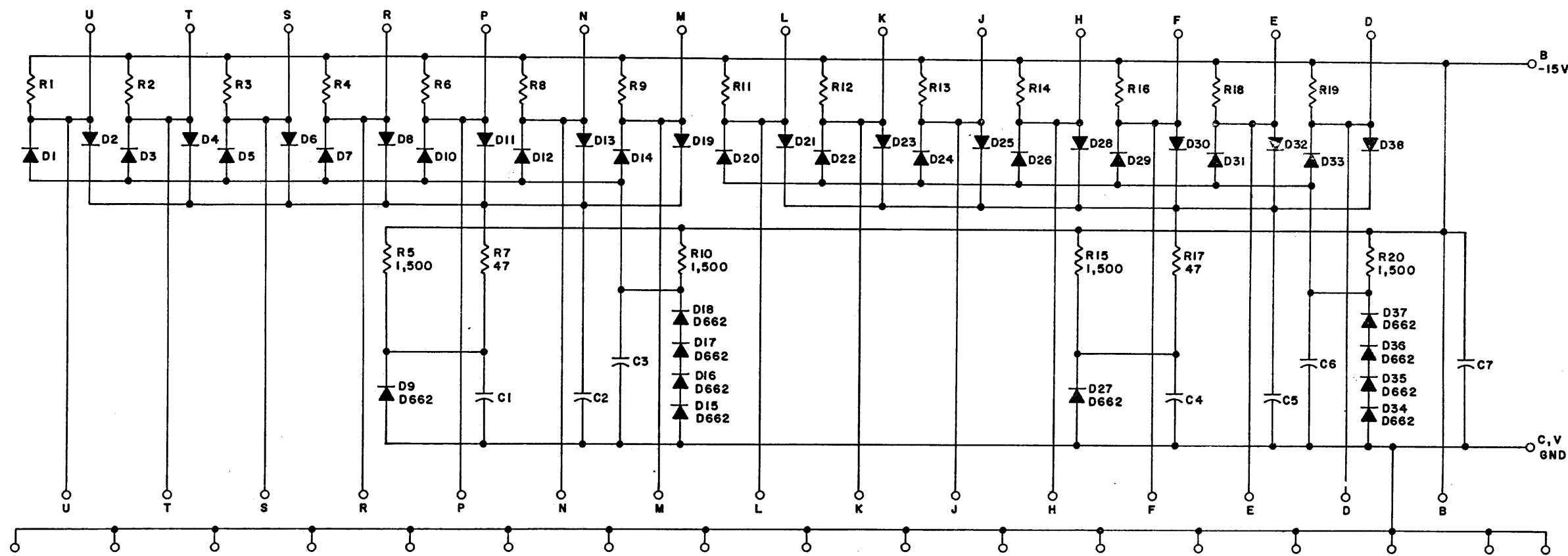


15		JUMPER INSULATED	900045
14	R1, 2, 3, 5, 7, 8, 10, 11, 12, 13, 15, 17, 18, 20	RES. 7.5K $\frac{1}{4}$ W 5%	130422
4	R4, 9, 14, 19	RES. 1.5K $\frac{1}{4}$ W 5%	130072
2	R6, 16	RES. 47 $\frac{1}{4}$ W 5%	130020
1	J1	CONNECTOR	1240073
28	D11 - 38	DIODE D664	1100114
10	D1 - 10	DIODE D662	1100113
7	C1 thru C7	CAP. .01UF 100V 20% DISC	1001610
1		ETCHED CIRCUIT BOARD	900055
		MODULE ECO HISTORY	B-MH-0766-0-6
		ASSY/DRILLING HOLE LAYOUT	D-AH-0766-0-5
		X-Y COORDINATE HOLE LOCATION	K-CS-0766-0-4

PARTS LIST		NO.
------------	--	-----

CHK	CHANGE NO.	REV	ETCH BOARD REV				A	DRA <i>B. Marchant</i> DATE 3/23/72		 EQUIPMENT CORPORATION NATHAN, MASSACHUSETTS	REV.
								CHKD <i>L. Walsh</i> DATE 4/1/72			
REVISIONS								ENG'D <i>J. E. Dwyer</i> DATE 4/14/72		TITLE LEVEL TERMINATOR	
								RPTG. ENG. <i>J. E. Dwyer</i> DATE 4/16/72			
								PRD. <i>B. Marchant</i> DATE 4/14/72			
								NEXT HIGHER ASSY			
	DEC NO.	EIA NO.	DEC NO.	EIA NO.			SCALE		SIZE CODE	NUMBER	
SEMICONDUCTOR CONVERSION CHART							SHEET 1 OF 1		DCS	G766-0-1	
									DIST		

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FLEXPRINT

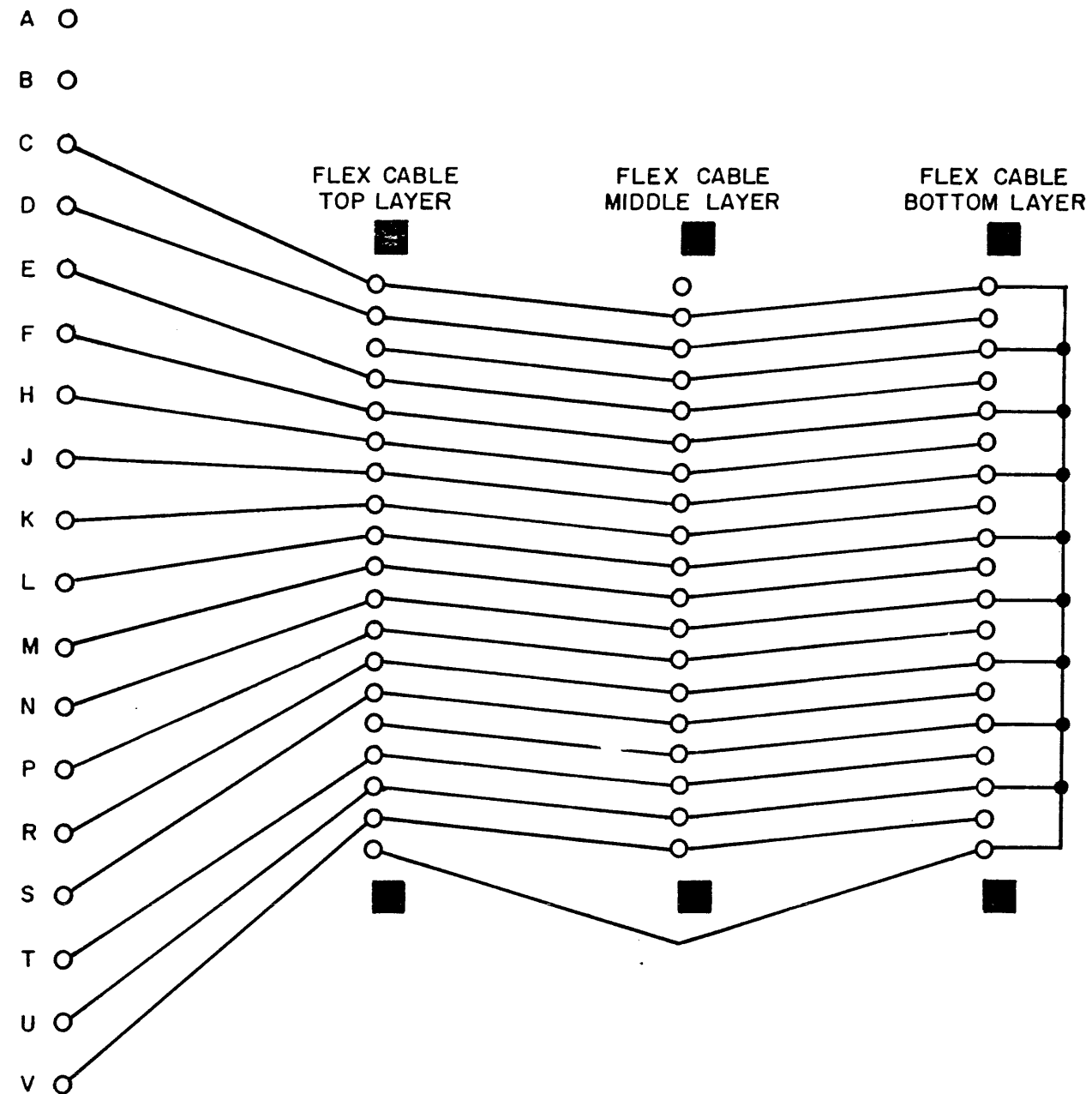
UNLESS OTHERWISE INDICATED:
RESISTORS ARE 1/4W; 5%
RESISTORS ARE 7,500
CAPACITORS ARE .01MFD
DIODES ARE D664

REV. A
NUMBER
G796-0-1
SIZE CODE CS

REVISIONS CHK CHG NO. REV. 6644 A	DRN. <i>M. Haller</i>	DATE 2-3-67	TRANSISTOR & DIODE CONVERSION CHART				digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS	TITLE CLAMPED LEVEL CABLE CONNECTOR G796			
	CHK'D 7	DATE 2/3/67	DEC	EIA	DEC	EIA		SIZE	CODE	NUMBER	REV.
	ENG. <i>A. J. ...</i>	DATE 2/3/67	D662	IN645				C	CS	G796-0-1	A
	PROD.	DATE	D664	IN3608							

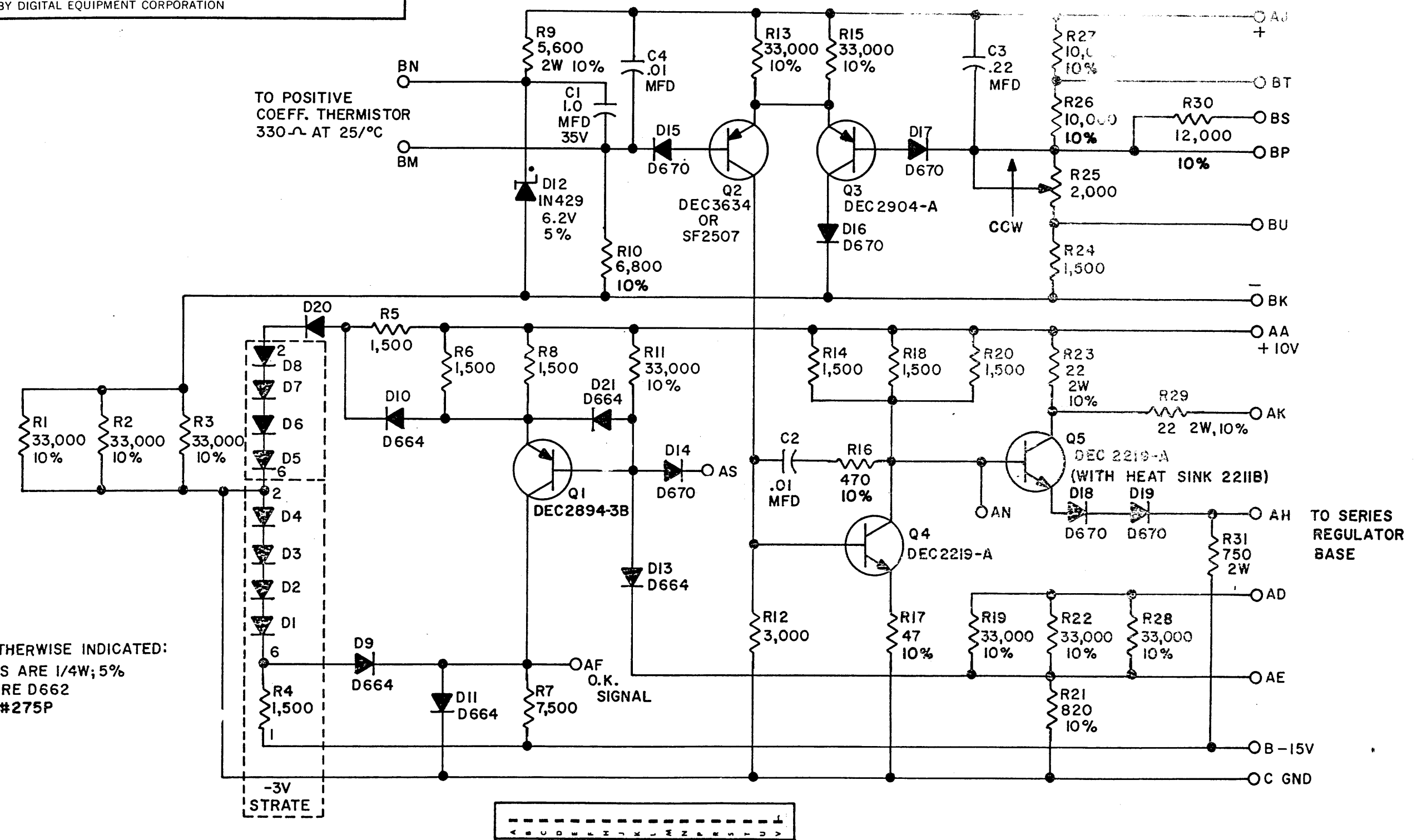
DEC FORM NO. 102

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REVISIONS CHK CHG NO. REV.	DRN. <i>M. Waller</i>	DATE <i>6-16-67</i>	TRANSISTOR & DIODE CONVERSION CHART				digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS	TITLE CABLE CONNECTOR G799						
	CHK'D <i>M. Waller</i>	DATE <i>5-17-67</i>	DEC	EIA	DEC	EIA		SIZE B	CODE CS	NUMBER G799-0-1	REV.			
	ENG. <i>DJ Chen</i>	DATE <i>5-17-67</i>												
	PROD.	DATE												
PRINTED CIRCUIT REV.								A						

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REVISIONS		CHK	CHG NO.	REV.
1		DAW	4324	1
2		DAW	4658	2
C		DAW	5225	3
D		DAW	5405	4
E		DAW	5421	5
F		DAW	5455	6
H		DAW	5455	7
J		DAW	5821	8
K		DAW	5893	9
L		DAW		10

DRN.	H. PORTER	DATE	10-17-64
CHK'D	N. PERRYMAN	DATE	10-17-64
ENG	D. WARDIMON	DATE	10-17-64
PROD.		DATE	

TRANSISTOR & DIODE CONVERSION CHART			
DEC	EIA	DEC	EIA
DEC 2894-3B	SAME	D662	IN645
DEC 2219-A	2N2219-A	D664	IN3606
DEC 2904A	2N2904A	D670	IN3653
DEC 3634	2N3634	IN429	SAME
SF 2507	DEC SF2507		



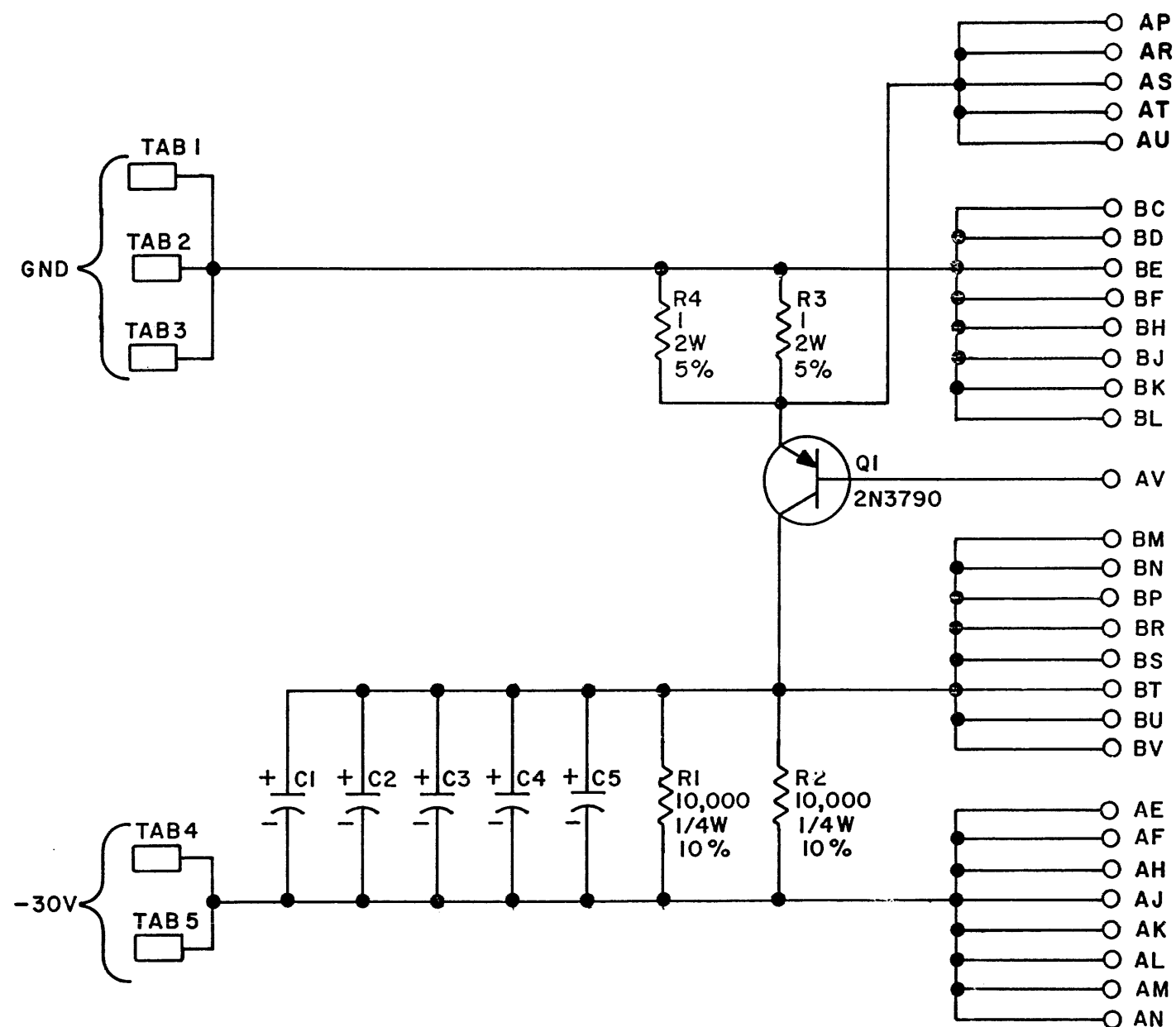
digital
EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS

TITLE
**CONTROL FOR 739
POWER SUPPLY G800**

SIZE	CODE	NUMBER	REV.
B	CS	G800-0-1	L

PRINTED CIRCUIT REV. **H**

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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

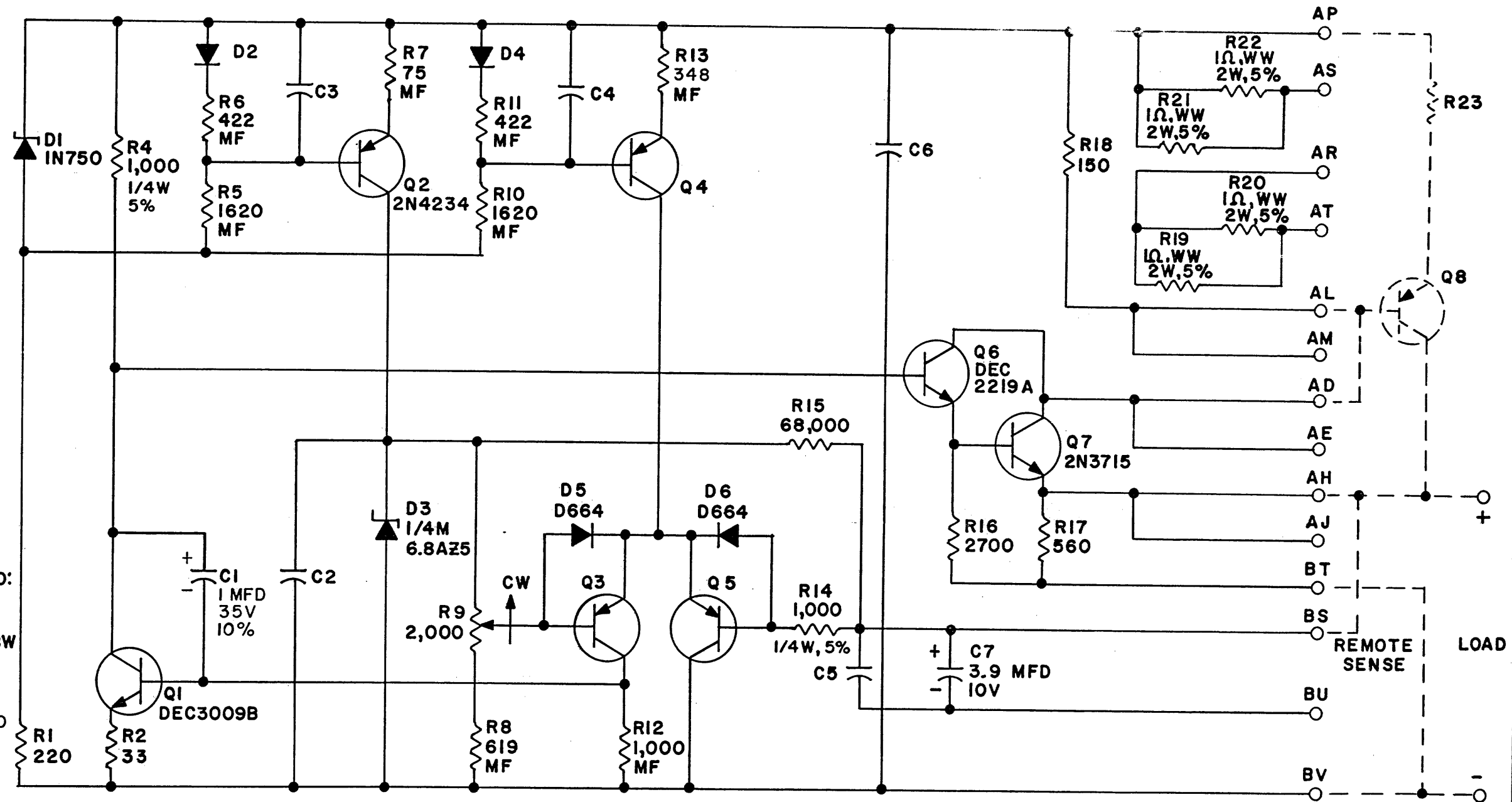
PARTS LIST A-PL-G805-0-0

REVISIONS	CHK	CHG NO.	REV.					DRN.	DATE	TRANSISTOR & DIODE CONVERSION CHART				digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS	TITLE NEGATIVE REGULATOR G805			
	5902	B	C	D	E	F	H	CHK'D	DATE	DEC	EIA	DEC	EIA		SIZE	CODE	NUMBER	REV.
	6468							ENG.	DATE	2N3790	SAME				B	CS	G805-0-1	H
	7072							PROD.	DATE									

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REV. C
NUMBER 6810-0-1
SIZE CODE

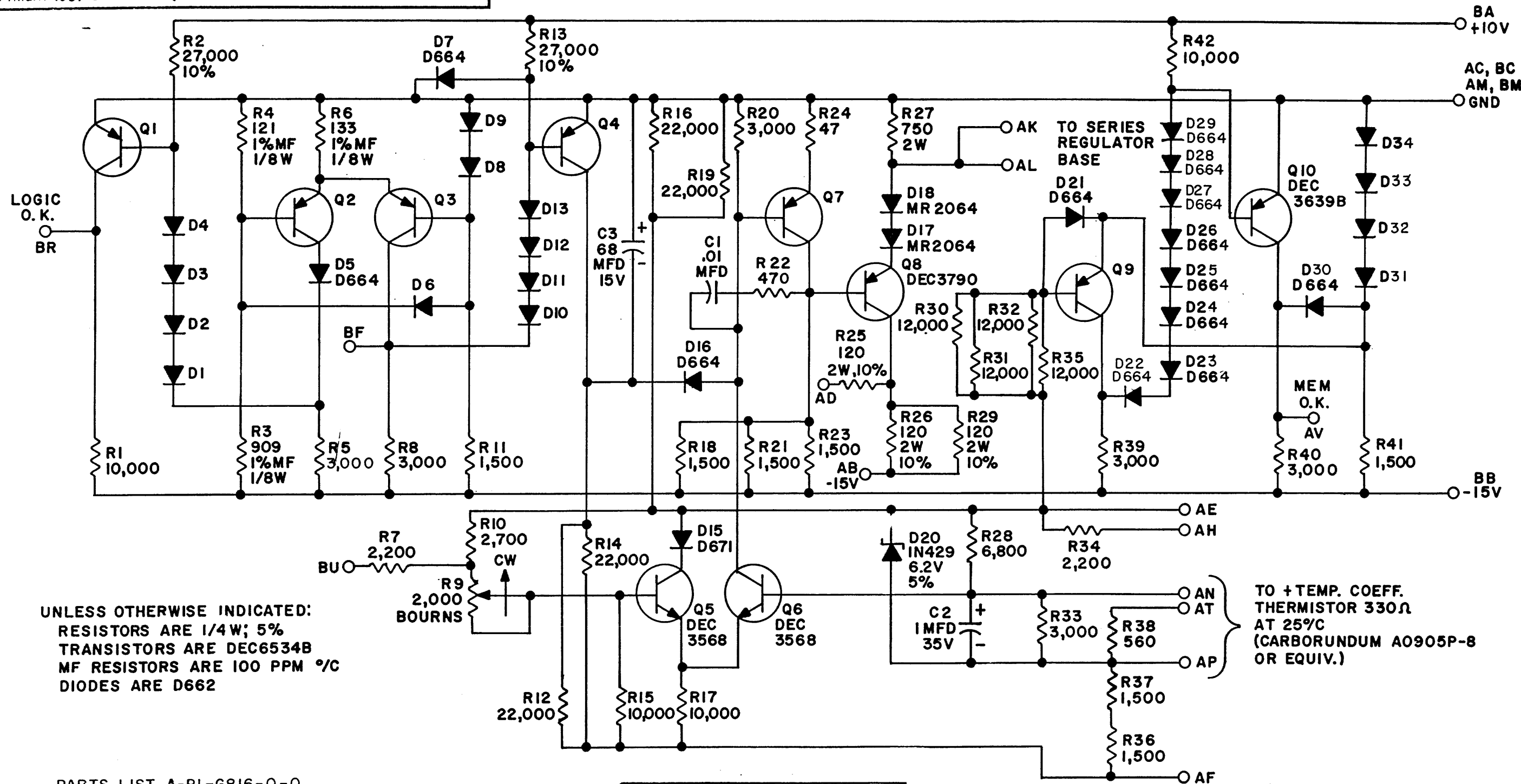
UNLESS OTHERWISE INDICATED:
DIODES ARE D662
RESISTORS ARE 1/4W, 10%
MF RESISTORS ARE 1%, T₀, 1/8W
CAPACITORS ARE .01 MFD,
-0 +20%
R9 IS A #275P
TRANSISTORS ARE DEC6534D



PARTS LIST A-PL-G810-0-0

REVISIONS			CHK	CHG NO.	REV.	DRN. <i>M. Haller</i>		DATE 10-3-67	TRANSISTOR & DIODE CONVERSION CHART				digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS		TITLE 6V REGULATOR CONTROL G810			
CHK	CHG NO.	REV.	CHK'D	DATE	ENG.	DATE	DEC	EIA	DEC	EIA	SIZE	CODE			NUMBER	REV.		
	6862	B					DEC3009B	2N3009	IN750	SAME	B	CS	G810-0-1	C				
	7120	C					DEC6534D	NONE	1/4M 6.8AZ5	IN4099								
							2N4234	SAME	DEC2219A	2N2219								
							D662	IN645	2N3715	SAME								
							D664	IN3606										

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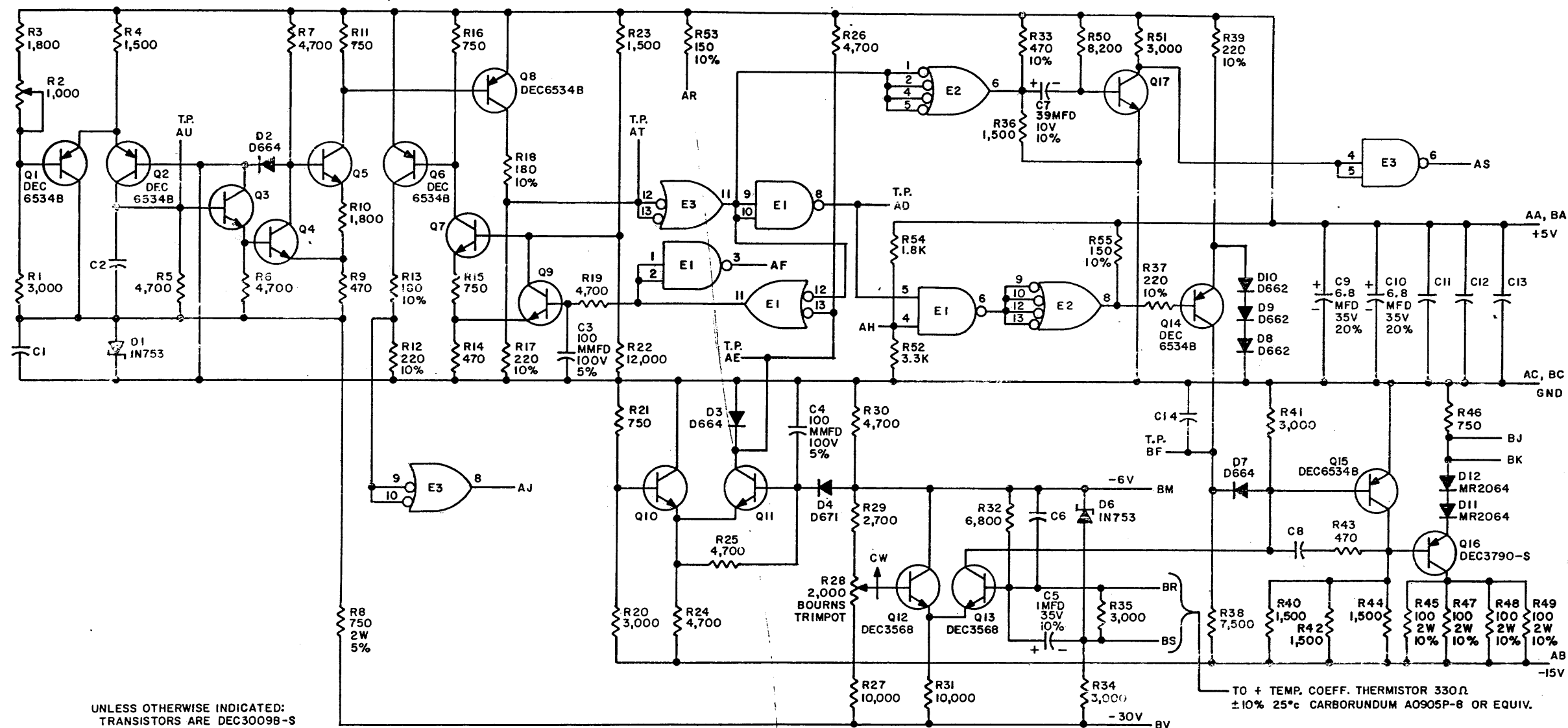
UNLESS OTHERWISE INDICATED:
RESISTORS ARE 1/4W; 5%
TRANSISTORS ARE DEC6534B
MF RESISTORS ARE 100 PPM %C
DIODES ARE D662

TO +TEMP. COEFF.
THERMISTOR 330Ω
AT 25°C
(CARBORUNDUM A0905P-8
OR EQUIV.)

PARTS LIST A-PL-G816-0-0

REVISIONS				TITLE			
CHK	CHG NO.	REV.		REGULATOR CONTROL G816			
	6941	A					
	0001	B					

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PARTS LIST A-PL-G826-0-0

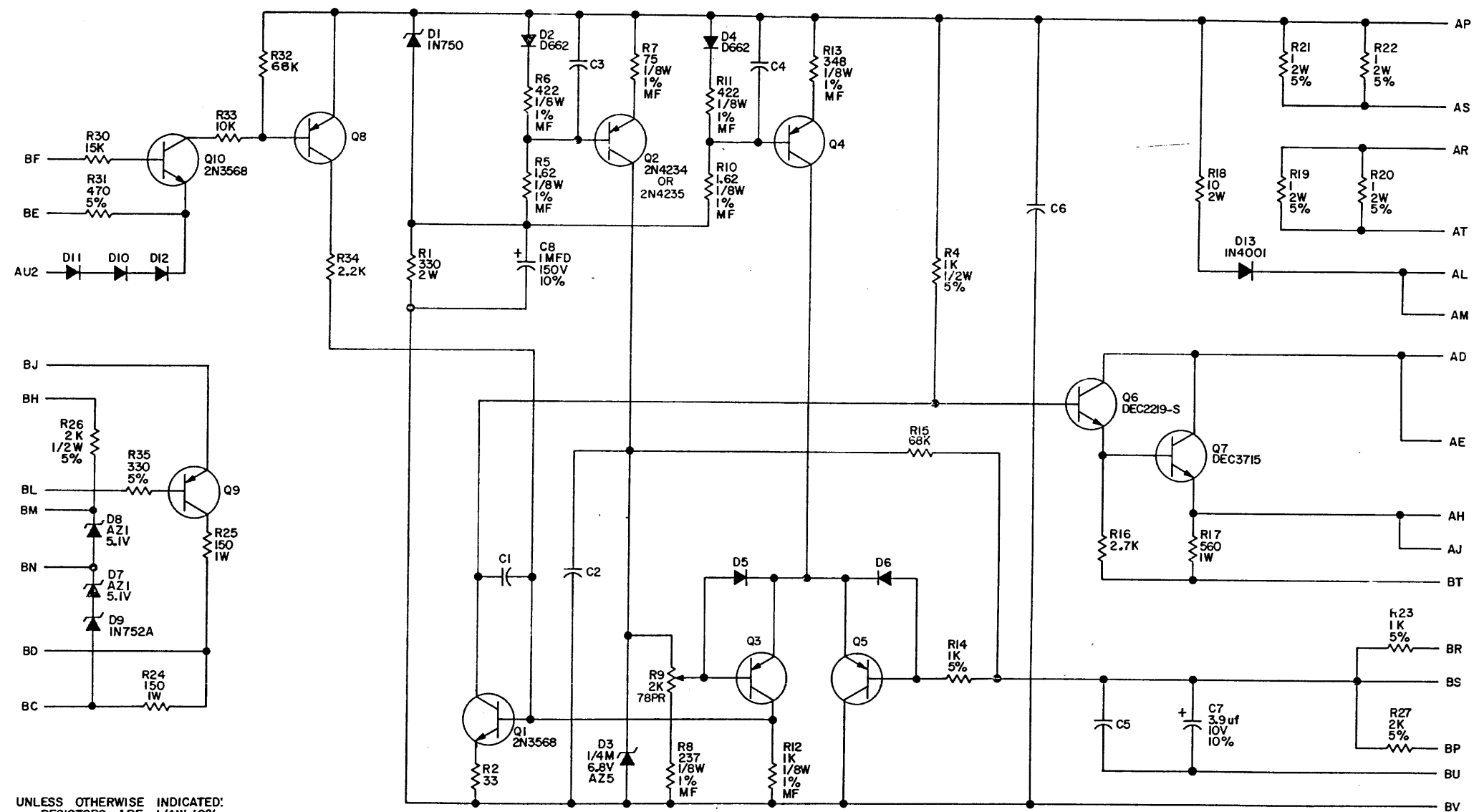
REV.	CHG	NO.	REV.
1	1	1	1
2	2	2	2
3	3	3	3
4	4	4	4
5	5	5	5
6	6	6	6
7	7	7	7
8	8	8	8
9	9	9	9
10	10	10	10

DRN.	DATE
M. Waller	5-10-67
CHK'D	DATE
J. Brown	5/23/67
DATE	DATE
5/23/67	5/23/67
DATE	DATE
5/23/67	5/23/67

TRANSISTOR & DIODE CONVERSION CHART			
DEC	EIA	DEC	EIA
DEC3009B	2N3009	D664	IN3606
DEC3568	2N3568	D671	IN3653
DEC6534B	MP6534	IN753	SAME
DEC3790	2N3790	MR2064	IN4001
D662	IN645		

TITLE		NUMBER		REV.
REGULATOR CONTROL G826		G826-0-1		L
SIZE	CODE	PRINTED	CIRCUIT	REV.
C	CS	K		

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UNLESS OTHERWISE INDICATED:
RESISTORS ARE 1/4W, 10%
CAPACITORS ARE .01MFD, 100V, 20%
DIODES ARE D664
TRANSISTORS ARE DEC6534D

REV.	CHK	CHG	NO.	REV.
1	1	1	1	1
2	1	1	1	1
3	1	1	1	1
4	1	1	1	1
5	1	1	1	1
6	1	1	1	1
7	1	1	1	1
8	1	1	1	1
9	1	1	1	1
10	1	1	1	1

DEC FORM NO. DRC 102

MS 549-P

DRN.	ALLAN	RITCEY	DATE
1	1	1	1-30-70
2	1	1	3-15-70
3	1	1	3-11-70
4	1	1	5-12-70

IN4001 SAME

TRANSISTOR & DIODE CONVERSION CHART			
DEC	EIA	DEC	EIA
D662	1N645	2N3568	SAME
D664	1N3606	DEC3715	2N3715
1/4M 6.8AZ5	1N4099	DEC2219-S	NONE
5.1 AZ1	NONE	DEC6534D	MPS6534
IN752A	NONE	2N4441	2N4441

digital
EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS

TITLE 6V REGULATOR CONTROL G828

SIZE	CODE	NUMBER	REV.
C	CS	G828-0-1	A

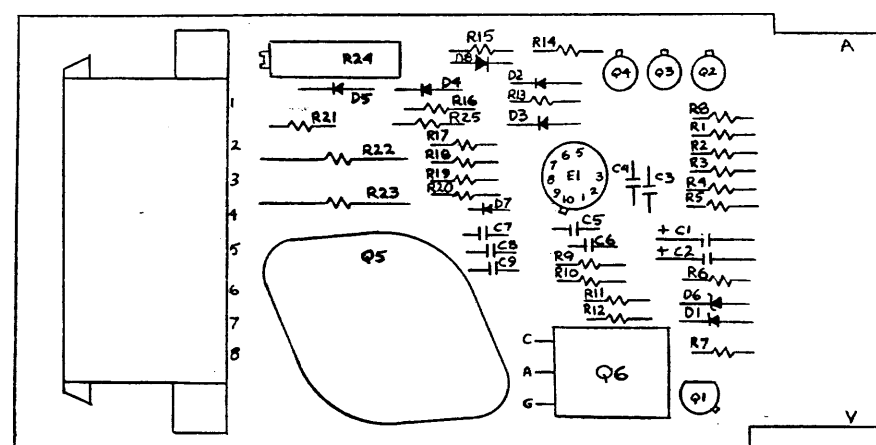
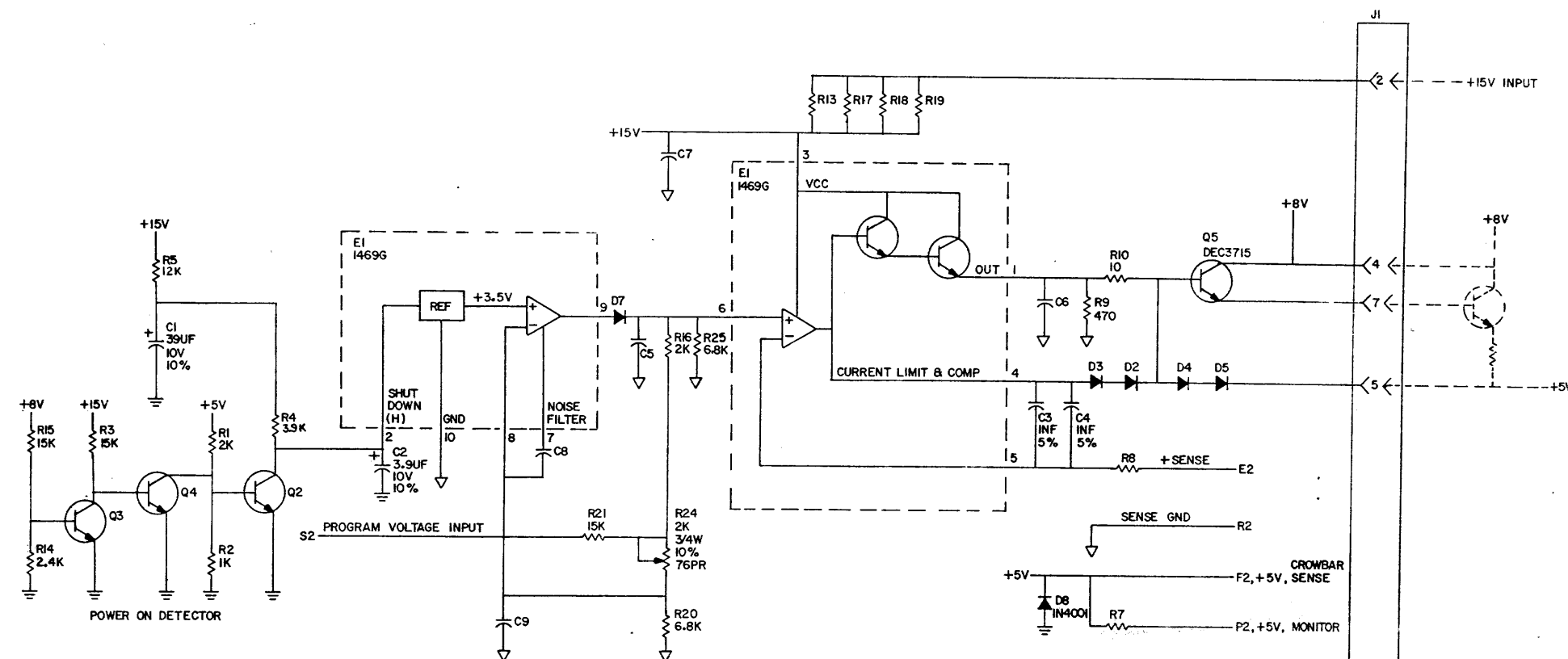
PRINTED CIRCUIT REV.

REV. A
NUMBER G828-0-1
SIZE CODE C CS

5 DIST. 324,434,435 PINK 351

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1-0-0689
#38471N
SD 0
3000 1/15



UNLESS OTHERWISE INDICATED:
RESISTORS = 100, 1/4W, 5%
DIODES = D668
CAPACITORS = .01UF, 100V, 20%
TRANSISTORS = DEC3009B
J1 = AMP CONNECTOR 61320-1
PIN 11 IS GROUNDED IN THE BACKPLANE

36	1300488	RES. 12K 1/4W 5%	1
35	1300444	RES. 3.9K 1/4W 5%	1
34	1102942	DIODE 1N4001	1
33	1000076	CAP. .01UF 10V 10%	1
32			1
31	9006732	EYELET #GS 4-7	2
30	9006706	NYLON WASHER #4	2
29	9006557	4-40 KEP NUT	2
28	9006010-1	4-40 5/16" SCREW	2
27	1910261	I.C. DEC 1469G	1
26	1505867	RECTIFIER 2N 4941	1
25	1503409-00	TRANSISTOR DEC 6534D	1
24	1503100	TRANSISTOR DEC 3879B	1
23	1503068	TRANSISTOR DEC 3715	1
22	1309143-08	RES. 2K, 3/4W, 10% 76PR	1
21	1310147	RES. .15, 2W, 10% WW	2
20	1303177	RES. 2.4K, 1/4W, 5%	1
19	1302388	RES. .1, 1/4W, 5%	2
18	1301423	RES. 6.8K, 1/4W, 5%	2
17	1301317	RES. 10, 1/4W, 5%	1
16	1300496	RES. 15K, 1/4W, 5%	2
15	1300365	RES. 1K, 1/4W, 5%	1
14	1300316	RES. 470, 1/4W, 5%	2
13	1300229	RES. 100, 1/4W, 5%	2
12	1300202	RES. 47, 1/4W, 5%	1
11	1209456	PIN, SOCKET AMP 61320-1	2
10	1209340	PIN, HOUSING 81-480458-0	1
9	1105873	DIODE 1N751A, 5.1V	1
8	1102161	DIODE D668	2
7	1000042	CAP. 1000 PF, 100V, 5% D.M.	2
6	1001610	CAP. .01UF, 100V, 20% AISC	2
5	1000064	CAP. .01UF, 10V, 10% S. TRANT	1
4	5008712	ETCHED CIRCUIT BOARD	1
3	B-MH-G830-0-6	MODULE BCO HISTORY	
2	O-AH-G830-0-5	ASSY/DRILLING HOLE LAYOUT	
1	K-CU-G830-0-4	X-Y COORDINATE HOLE LOCATION	
ITEM NO.	DEC PART NO.	DESCRIPTION	QTY.

REV	DATE	BY	CHKD	APPD
1	12/1/70	J. DREW	J. DREW	J. DREW
2	12/1/70	J. DREW	J. DREW	J. DREW
3	12/1/70	J. DREW	J. DREW	J. DREW
4	12/1/70	J. DREW	J. DREW	J. DREW
5	12/1/70	J. DREW	J. DREW	J. DREW
6	12/1/70	J. DREW	J. DREW	J. DREW
7	12/1/70	J. DREW	J. DREW	J. DREW
8	12/1/70	J. DREW	J. DREW	J. DREW
9	12/1/70	J. DREW	J. DREW	J. DREW
10	12/1/70	J. DREW	J. DREW	J. DREW

REV	DATE	BY	CHKD	APPD
1	12/1/70	J. DREW	J. DREW	J. DREW
2	12/1/70	J. DREW	J. DREW	J. DREW
3	12/1/70	J. DREW	J. DREW	J. DREW
4	12/1/70	J. DREW	J. DREW	J. DREW
5	12/1/70	J. DREW	J. DREW	J. DREW
6	12/1/70	J. DREW	J. DREW	J. DREW
7	12/1/70	J. DREW	J. DREW	J. DREW
8	12/1/70	J. DREW	J. DREW	J. DREW
9	12/1/70	J. DREW	J. DREW	J. DREW
10	12/1/70	J. DREW	J. DREW	J. DREW

REV	DATE	BY	CHKD	APPD
1	12/1/70	J. DREW	J. DREW	J. DREW
2	12/1/70	J. DREW	J. DREW	J. DREW
3	12/1/70	J. DREW	J. DREW	J. DREW
4	12/1/70	J. DREW	J. DREW	J. DREW
5	12/1/70	J. DREW	J. DREW	J. DREW
6	12/1/70	J. DREW	J. DREW	J. DREW
7	12/1/70	J. DREW	J. DREW	J. DREW
8	12/1/70	J. DREW	J. DREW	J. DREW
9	12/1/70	J. DREW	J. DREW	J. DREW
10	12/1/70	J. DREW	J. DREW	J. DREW

REV	DATE	BY	CHKD	APPD
1	12/1/70	J. DREW	J. DREW	J. DREW
2	12/1/70	J. DREW	J. DREW	J. DREW
3	12/1/70	J. DREW	J. DREW	J. DREW
4	12/1/70	J. DREW	J. DREW	J. DREW
5	12/1/70	J. DREW	J. DREW	J. DREW
6	12/1/70	J. DREW	J. DREW	J. DREW
7	12/1/70	J. DREW	J. DREW	J. DREW
8	12/1/70	J. DREW	J. DREW	J. DREW
9	12/1/70	J. DREW	J. DREW	J. DREW
10	12/1/70	J. DREW	J. DREW	J. DREW

REV	DATE	BY	CHKD	APPD
1	12/1/70	J. DREW	J. DREW	J. DREW
2	12/1/70	J. DREW	J. DREW	J. DREW
3	12/1/70	J. DREW	J. DREW	J. DREW
4	12/1/70	J. DREW	J. DREW	J. DREW
5	12/1/70	J. DREW	J. DREW	J. DREW
6	12/1/70	J. DREW	J. DREW	J. DREW
7	12/1/70	J. DREW	J. DREW	J. DREW
8	12/1/70	J. DREW	J. DREW	J. DREW
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10	12/1/70	J. DREW	J. DREW	J. DREW

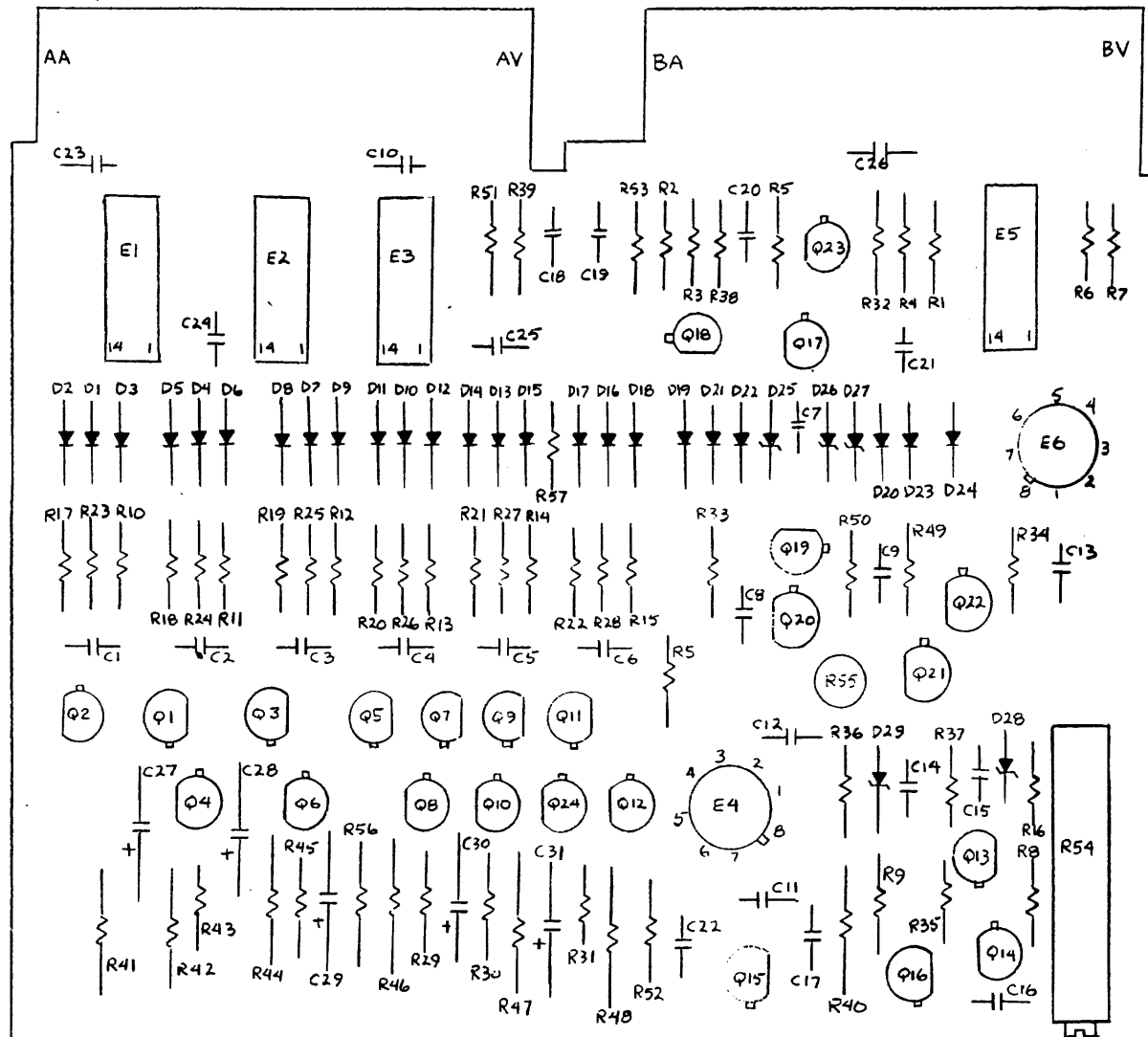
REV	DATE	BY	CHKD	APPD
1	12/1/70	J. DREW	J. DREW	J. DREW
2	12/1/70	J. DREW	J. DREW	J. DREW
3	12/1/70	J. DREW	J. DREW	J. DREW
4	12/1/70	J. DREW	J. DREW	J. DREW
5	12/1/70	J. DREW	J. DREW	J. DREW
6	12/1/70	J. DREW	J. DREW	J. DREW
7	12/1/70	J. DREW	J. DREW	J. DREW
8	12/1/70	J. DREW	J. DREW	J. DREW
9	12/1/70	J. DREW	J. DREW	J. DREW
10	12/1/70	J. DREW	J. DREW	J. DREW

REV	DATE	BY	CHKD	APPD
1	12/1/70	J. DREW	J. DREW	J. DREW
2	12/1/70	J. DREW	J. DREW	J. DREW
3	12/1/70	J. DREW	J. DREW	J. DREW
4	12/1/70	J. DREW	J. DREW	J. DREW
5	12/1/70	J. DREW	J. DREW	J. DREW
6	12/1/70	J. DREW	J. DREW	J. DREW
7	12/1/70	J. DREW	J. DREW	J. DREW
8	12/1/70	J. DREW	J. DREW	J. DREW
9	12/1/70	J. DREW	J. DREW	J. DREW
10	12/1/70	J. DREW	J. DREW	J. DREW

digital +5V REGULATOR G830

EQUIPMENT CORPORATION
REVISION 1
DATE 12/1/70
BY J. DREW
CHKD J. DREW
APPD J. DREW

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49	9008337-01	HANDLE, FLIP CHIP - GREEN	2
48	9006732	EYELET WGS 4-7	4
47	1910553	I.C. DEC1074H74	3
46	1909234	I.C. DEC 741	1
45	1905620	I.C. DEC 710	1
44	1910462	I.C. DEC1074H00	1
43	1509338	TRANSISTOR DEC 6531	1
42	1509233	TRANSISTOR 2N5163	1
41	1503409-00	TRANSISTOR DEC 6534D	5
40	1503100	TRANSISTOR DEC 3009B	11
39	1502762-00	TRANSISTOR DEC 3639B	6
38	1309150-03	RES. 1K, 1/4W, 20% POT	1

37	1305515	RES. 64K, 1/8W, .1% MF	1
36	1305514	RES. 32K, 1/8W, .1% MF	1
35	1305450	RES. 1K, POT	1
34	1305356	RES. 8K, 1/8W, .1% MF	3
33	1305354	RES. 4K, 1/8W, .1% MF	1
32	1305353	RES. 2K, 1/8W, .1% MF	1
31	1304865	RES. 1K, 1/8W, .1% MF	1
30	1301422	RES. 7.5K 1/4W, 5%	1
29	1302466	RES. 100K, 1/4W, 5%	3
28	1302388	RES. 2K, 1/4W, 5%	1
27	1301401	RES. 750, 1/4W, 5%	3
26	1300496	RES. 15K, 1/4W, 5%	6
25	1300479	RES. 10K, 1/4W, 5%	5
24	1300447	RES. 4.7K, 1/4W, 5%	6
23	1300444	RES. 3.9K, 1/4W, 5%	1
22	1300432	RES. 3K, 1/4W, 5%	7
21	1300406	RES. 2.7K, 1/4W, 5%	1
20	1300381	RES. 1.5K, 1/4W, 5%	1
19	1300345	RES. 1K, 1/4W, 5%	10
18	1300296	RES. 330, 1/4W, 5%	1
17	1300271	RES. 220, 1/4W, 5%	1
16	1300202	RES. 47, 1/4W, 5%	1
15	1103441	DIODE 1N756A 8.2V	3
14	1100122	DIODE 1N748A 3.9V	1
13	1100114	DIODE D664	20
12	1100113	DIODE D662	4
11	1100102	DIODE 1/4W 6.8 AZ5 6.8V 5%	1
10	1004813	CAP. 10UF, 20V, 10% S. TANT	2
9	1001776	CAP. 1UF, 35V, 10% S. TANT	1
8	1001610	CAP. .01UF, 100V, 20% DISC	19
7	1000076	CAP. 39UF, 10V, 10% S. TANT	2
6	1000015	CAP. 82PF, 100V, 5% D.M.	1
5	1000011	CAP. 47PF, 100V, 5% D.M.	6
4	5009382	ETCHED CIRCUIT BOARD	1
3	B-MH-Q831-0-6.	MODULE ECO HISTORY	
2	D-AH-Q831-0-5	ASSY/DRILLING HOLE LAYOUT	
1	K-CO-Q831-0-4	X-Y COORDINATE HOLE LOCATION	
ITEM NO.	DEC PART NO.	DESCRIPTION	QTY.
		PARTS LIST	

REVISIONS
CHK'D NO. REV.
1/1 00001 E
J. DREW
J. DREW
J. DREW

DEC FORM NO.
DRC 102

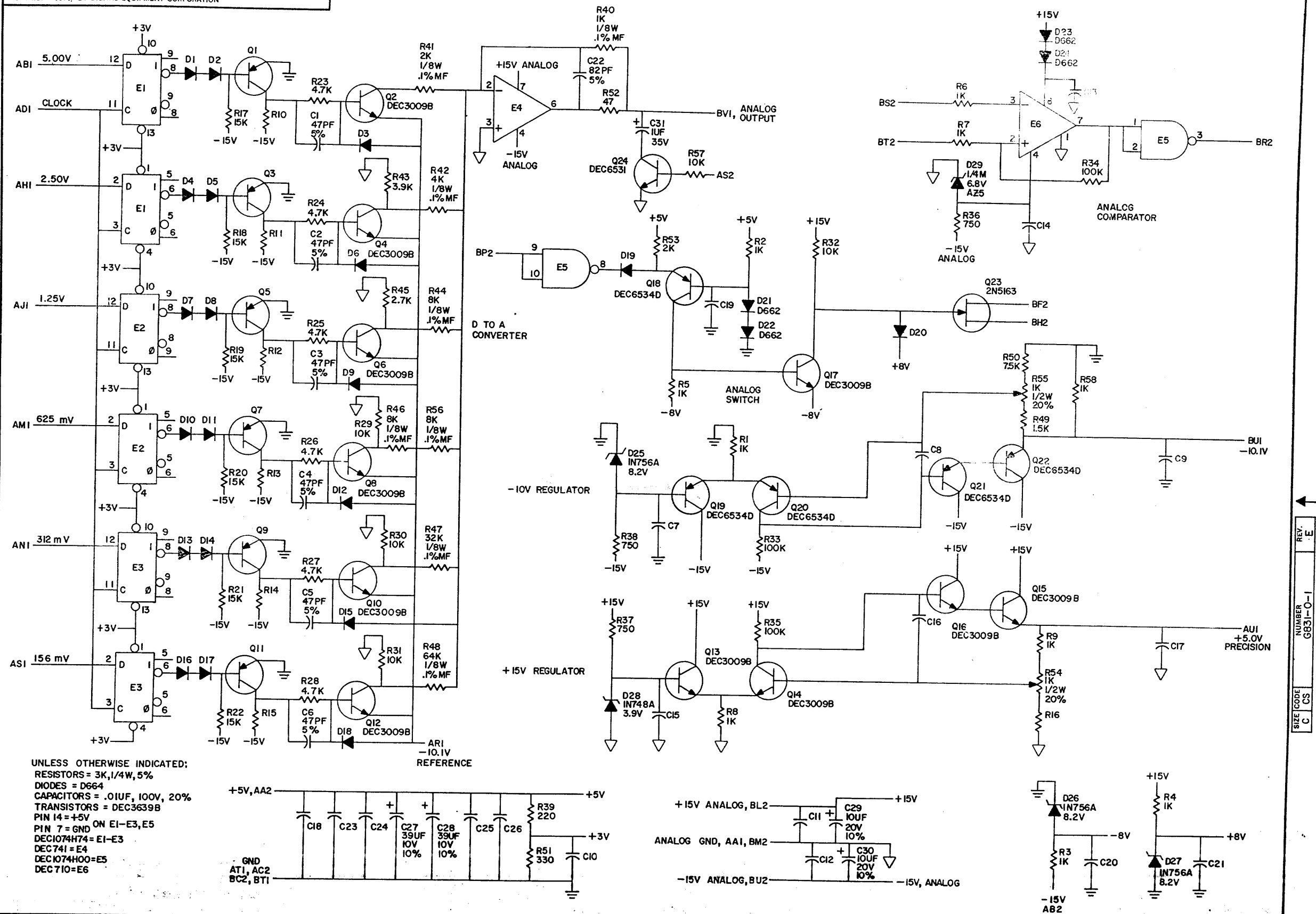
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NANCY HOAGS
DATE 1/11/78
CHK'D
DATE 1/24/78
DATE 1/24/78
DATE 1/24/78
DATE 1/24/78
DATE 1/24/78

TRANSISTOR & DIODE CONVERSION CHART
DEC EIA
DEC EIA
DEC EIA
DEC EIA
DEC EIA
DEC EIA

digital
EQUIPMENT
CORPORATION
MAYNARD, MASSACHUSETTS

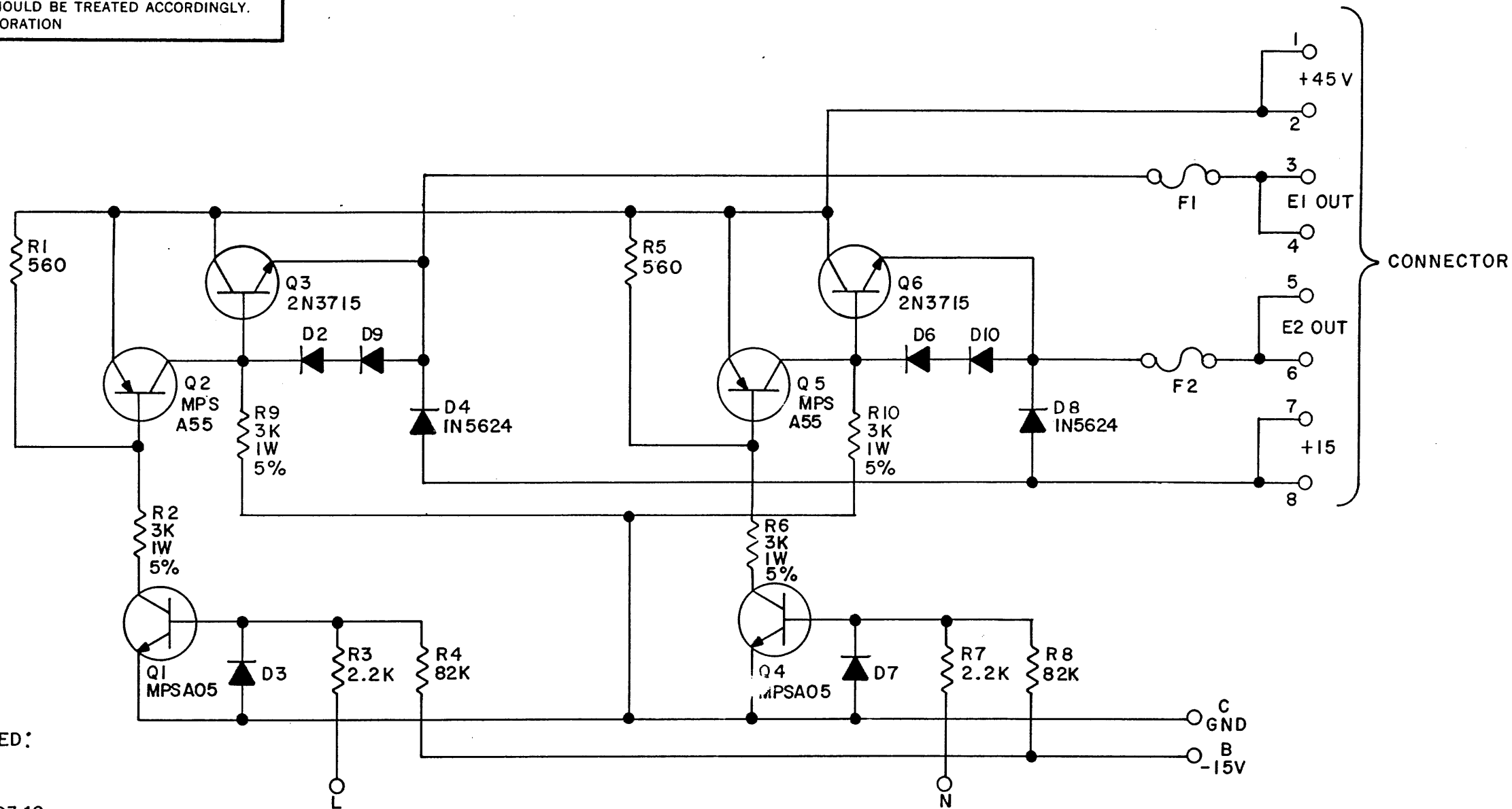
TITLE
6-BIT D/A
COMPARATOR & SWITCH
SHEET 1 OF 2
SIZE CODE NUMBER
C CS G831-0-1
PRINTED CIRCUIT REV. E

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



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

NOTE: Q1, Q2, Q4, Q5 HAVE VARIED PACKAGES

DEPENDING ON SOURCE.

SEE DIAGRAM:



MOTOROLA: MPSA05
MPSA55

BOTTOM VIEW



GE: GPSA05
GPSA55

REV.	CHG NO.	CHK
A	00002	00003
B	00004	00005
C	00006	00007
D	00008	00009

DRN.	DATE
9-4-69	9-4-69
CHK'D	DATE
2-17-70	2-17-70
ENG.	DATE
PROD.	DATE

DEC	EIA
D672	IN3653
MPSA05	
2N3715	NONE
MPSA55	
IN5624	SAME

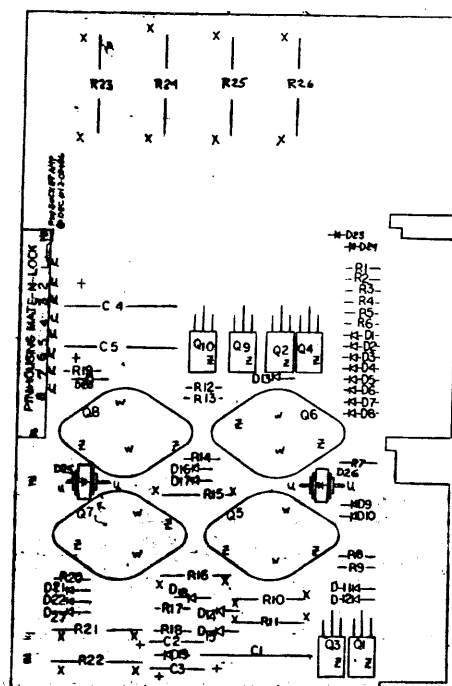
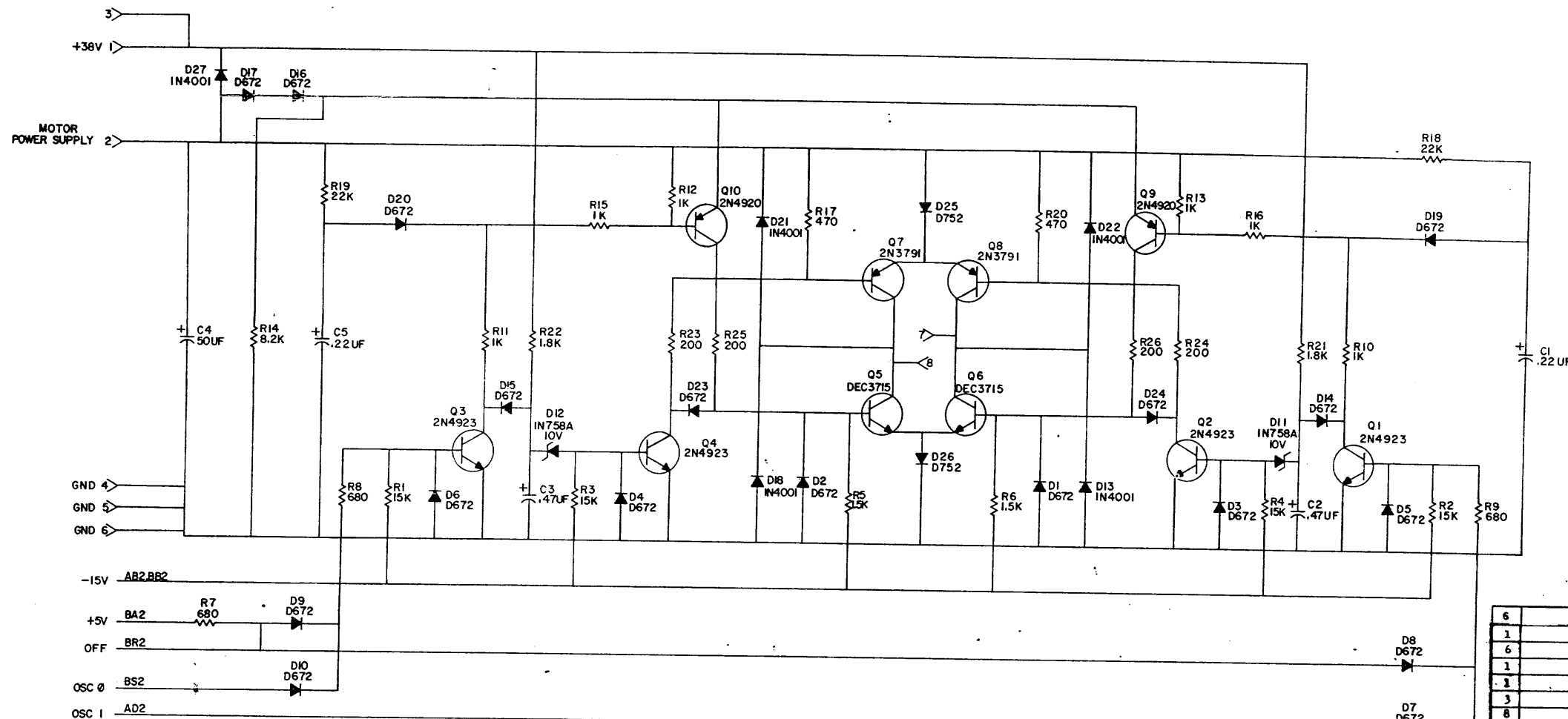
DEC	EIA
D672	IN3653
MPSA05	
2N3715	NONE
MPSA55	
IN5624	SAME

digital
EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS

TITLE	DUAL MOTOR VOLTAGE CONTROL G847
SIZE	B
CODE	CS
NUMBER	G847-0-1
REV.	D
PRINTED CIRCUIT REV.	E

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X 1-0-8489 SD 10
13h 10001105



6		NYLON SCREW 4-40X3/8	900640	4	36
1		FINER SPACER 1/2 x 1/8	900640	4	36
6		4-40 NYLON HEX NUT	900640	4	36
1		NYLON HEX NUT	900640	4	36
1		NYLON SCREW 4-40 x 1/2	900640	4	36
3		HANDLE EYELET	900640	4	36
8		4-40 KEYPIN	900640	4	36
8		4-40 x 5/16 SCREW	900640	4	36
1		HANDLE, FLIP CHIP - GREEN	900640	4	36
2	Q9, 10	TRANSISTOR 2N4920	900640	4	36
4	Q1, 2, 4, 3	TRANSISTOR 2N4923	900640	4	36
2	Q7, 8	TRANSISTOR 2N3791	900640	4	36
2	Q5, 6	TRANSISTOR DEC 3715	900640	4	36
2	R18, 19	RES. 22K 1/4W 5%	900640	4	36
4	R23, 24, 25, 26	RES. 200 5W 5%	900640	4	36
4	R1, 2, 3, 4	RES. 15K 1/4W 5%	900640	4	36
1	R14	RES. 8.2K 1/4W 5%	900640	4	36
2	R21, 22	RES. 1.5K 2W 10%	900640	4	36
2	R5, 6	RES. 1.5K 1/4W 5%	900640	4	36
4	R10, 11, 15, 16	RES. 1K 1W 5%	900640	4	36
2	R12, 13	RES. 1K 1/4W 5%	900640	4	36
3	R7, 8, 9	RES. .680 1/4W 5%	900640	4	36
2	R17, 20	RES. .470 1/4W 5%	900640	4	36
8		PIN, SOCKET	900640	4	36
1		PIN HOUSING	900640	4	36
2	D11, 12	DIODE ZENER 1N758A 10V, 1/4W 5%	900640	4	36
2	D25, 26	DIODE D752	900640	4	36
18	D1, 10, 14, 17, 19, 20, 23, 24	DIODE D672	900640	4	36
5	D13, 18, 21, 22, 27	DIODE 1N4001	900640	4	36
2	C1, 5	CAP. 0.22UF 100V 10% NYLAR	900640	4	36
2	C2, 3	CAP. 0.47UF 35V 10% S.M.T.	900640	4	36
1	C4	CAP. .50UF 50V -10-75% S.M.T.	900640	4	36
1		ETCHED CIRCUIT BOARD	900640	4	36
		MODULE ECO HISTORY	900640	4	36
		ETCH/BOARD, MOTOR CONT	900640	4	36
		X-Y COORDINATE HOLE LOCATION	900640	4	36
QTY.	REP. DESIGNATION	DESCRIPTION	QTY.	REP. PART NO.	
		PARTS LIST			

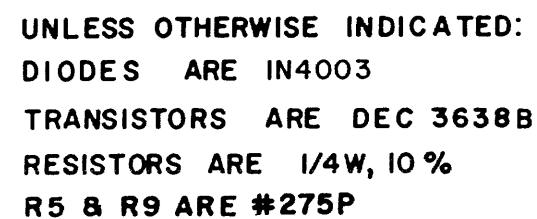
REVISIONS	DATE	BY	CHKD	APPD
1	12-2-69	A. RITCEY		
2	2-4-69	R. TREMBLAY		
3	4-3-70	E. LUTTIG		

DATE 12-2-69
BY A. RITCEY
CHKD R. TREMBLAY
APPD E. LUTTIG

TRANSISTOR & DIODE CONVERSION CHART	DATE	BY	CHKD	APPD
2N4920	12-2-69	A. RITCEY		
2N4923	2-4-69	R. TREMBLAY		
2N3791	4-3-70	E. LUTTIG		
DEC 3715				

digital MOTOR CONTROL
EQUIPMENT CORPORATION
BOSTON, MASSACHUSETTS
PRINTED CIRCUIT REV. 1

SIZE	CODE	NUMBER	REV.	↓
10	00	0050-0-1	P	



REVISIONS													DRN. I. HAHN		DATE 5-3-65		TRANSISTOR & DIODE CONVERSION CHART				digital		TITLE S.C.R.																	
CHK	CHG NO.	REV.	D		E		F		H		J		K		L		M		N						P		DEC	EIA	DEC	EIA	SIZE	CODE	NUMBER	REV.						
DAW	5266	3	5358		5420		5806		5888				6365		6469				6818		00001		DEC 3638	2N3638	IN758	IN758	B	CS	G850-0-1	P										
REV	Q REDR		5358		5420		5806		5888				6365		6469				6818		00001		2N2646	2N2646	2N4443	SAME														
REV	Q REDR		5358		5420		5806		5888				6365		6469				6818		00001		D662	IN645																
REV	Q REDR		5358		5420		5806		5888				6365		6469				6818		00001		D664	IN3606																
REV	Q REDR		5358		5420		5806		5888				6365		6469				6818		00001		IN4003	IN4003																
													ENG. R. SILVERMAN		DATE 5-14-65						EQUIPMENT CORPORATION		MAYNARD, MASSACHUSETTS		PRINTED CIRCUIT REV.		E		H		J		K		L					
													PROD. D. WARDIMON		DATE 5-13-65																									

DEC FORM NO.
DRB 102

PINK

DIST,

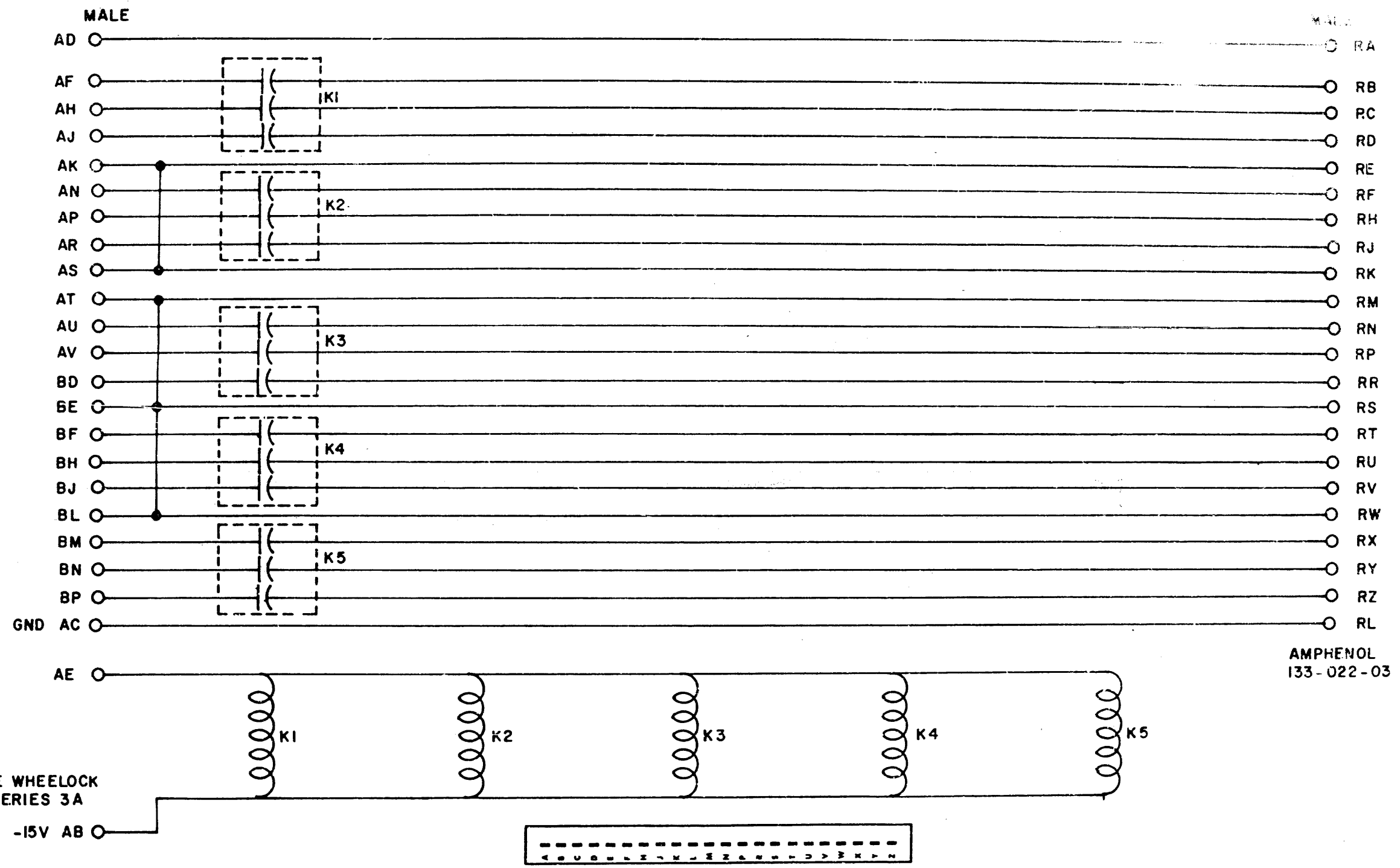
324

434

43	
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151

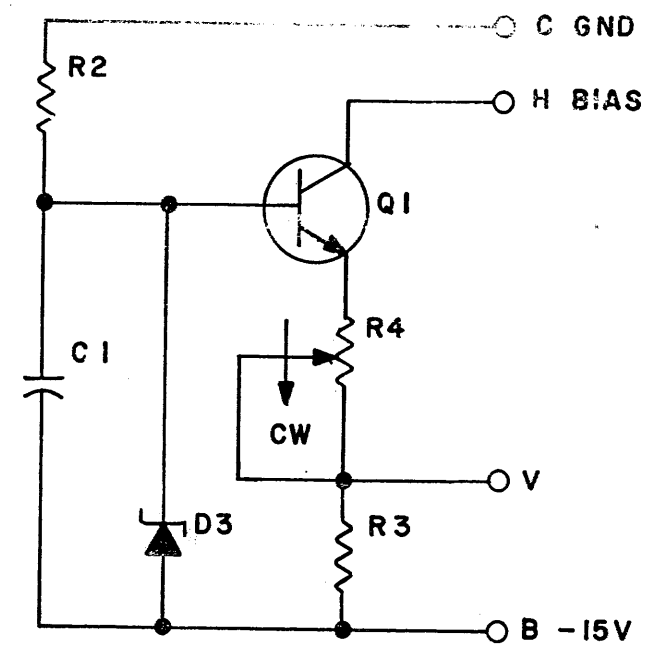
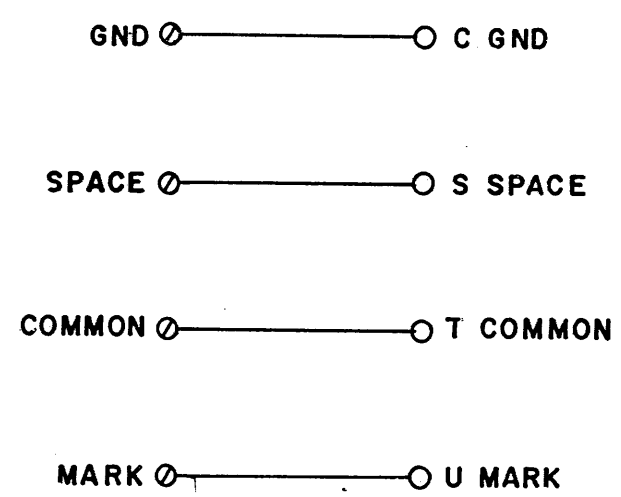
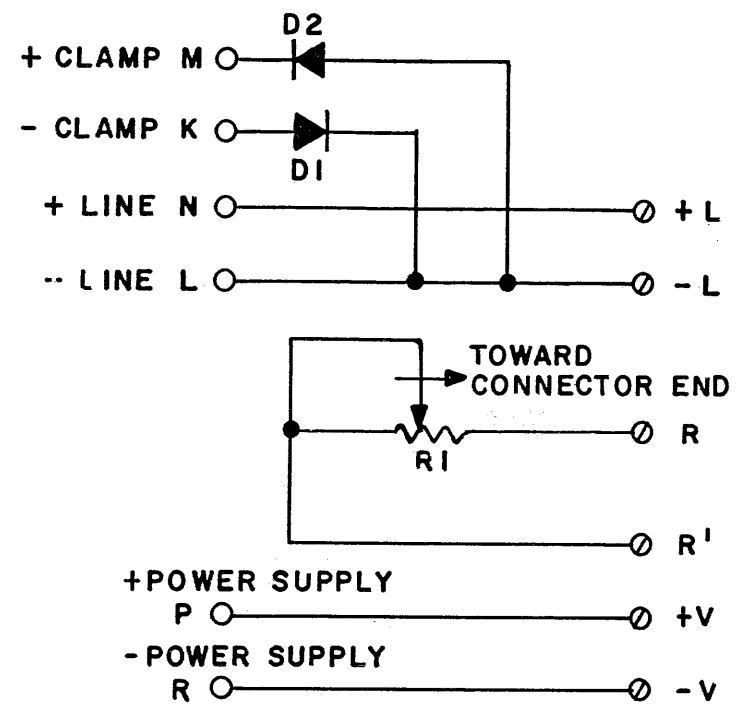
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REVISIONS	CHK	CHG NO.	REV.	DRN. H.W. PORTER	DATE	TRANSISTOR & DIODE CONVERSION CHART				digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS	TITLE RELAY G851			
	4613	1			1-13-65	DEC	EIA	DEC	EIA		SIZE	CODE	NUMBER	REV
	REV	6	REDR.		1-25-65						B	CS	G851-0-1	B
	5196	B	1-25-65											
				ENG.	DATE					PRINTED CIRCUIT REV				
				PROD.	DATE									

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SIZE CODE NUMBER REV



Ø SPLIT LUG

Q1	TRANSISTOR DEC2219A OR DEC2219B	1501881 1501883
R4	RES. 2K 1W #275P	1305392
R3	RES. 100 2W 10% CC	1300233
R2	RES. 680 1/4W 10% CC	1300350
R1	RES. 6K 40W IRC FRWA 21	1309116
D3	DIODE IN4736A	1103340
D1, D2	DIODE IN2071	1105340
C1	CAP. .01MFD 100V 20% DISC	1001610
PARTS LIST		A-PL-G854-0-0
REFERENCE DESIGNATION		DESCRIPTION
		PART NO.

REVISIONS	CHK	CHG NO	REV
		6695	A
		7023	B

DRN.	DATE
<i>m. Waller</i>	9-22-67
CHK'D	DATE
<i>Alan K...</i>	11/1/67
ENG.	DATE
<i>Alan K...</i>	11/1/67
PROD.	DATE

TRANSISTOR & DIODE CONVERSION CHART			
DEC	EIA	DEC	EIA
DEC2219A or B	2N2219		
IN2071	SAME		
IN4736A	SAME		

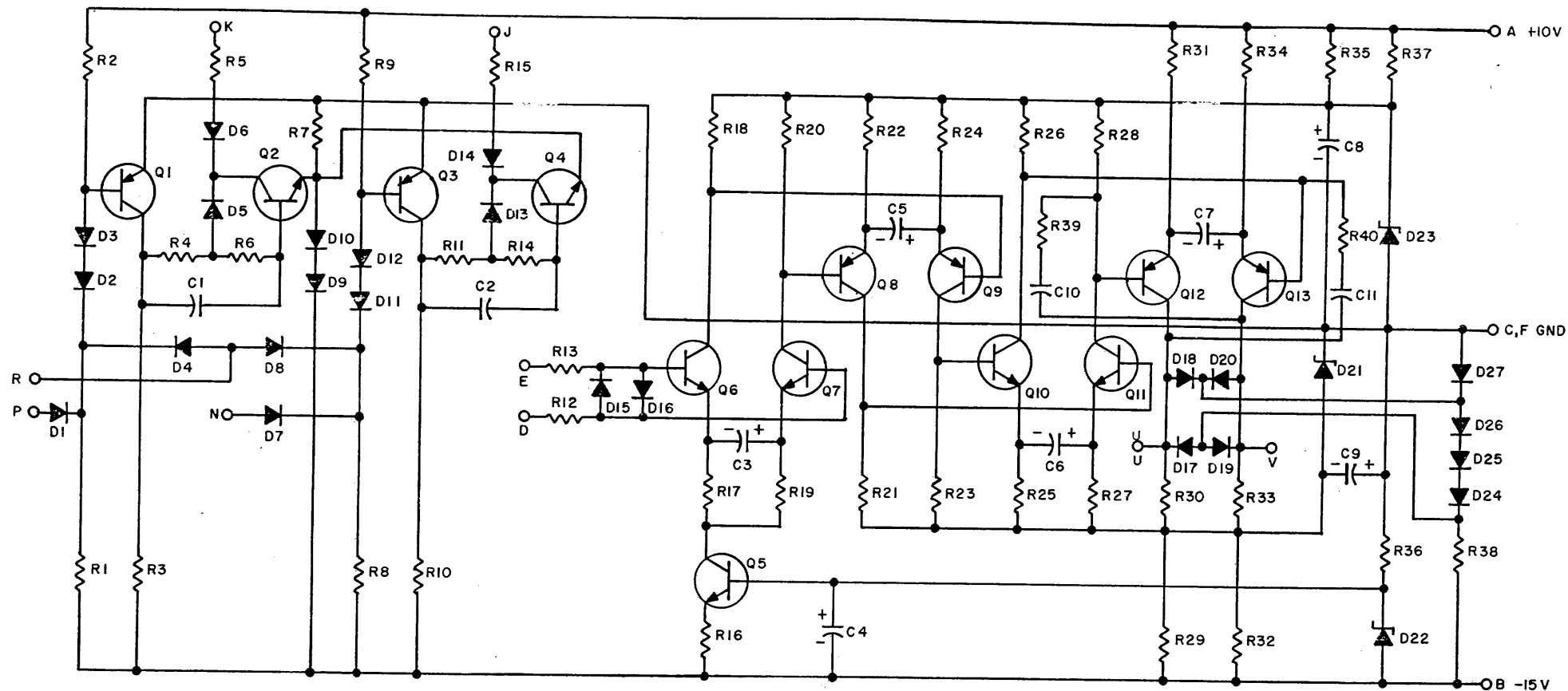
digital
EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS

TITLE TELEGRAPH LINE CIRCUIT G854			
SIZE B	CODE CS	NUMBER G854-0-1	REV. B
PRINTED CIRCUIT REV. A			



TITLE												
CLOCK & REGULATOR G859												
SIZE		CODE		NUMBER							REV.	
B		CS		G859 - 0 - 1							C	
PRINTED CIRCUIT REV.							A					

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Q8, Q9, Q12, Q13	TRANSISTOR DEC3638B	1502979
Q6, Q7, Q10, Q11	TRANSISTOR DEC3009B-S	1503100
Q5	TRANSISTOR DEC3009A-S	1501999
Q2, Q4	TRANSISTOR DEC2219A	1501881
Q1, Q3	TRANSISTOR DEC2894-3B-S	1503099
R39, R40	RES. 120 1/4W 5% CC	1300247
R36, R38	RES. 470 1/2W 10% CC	1300318
R30, R33	RES. 3K 1/4W 5% CC	1300432
R17 THRU R21, R23, R25 THRU R28,	RES. 220 1/4W 5% CC	1300271
R12, R13	RES. 560 1/4W 5% CC	1301890
R6, R14, R35, R37	RES. 68 2W 5% CC	1302308
R5, R15	RES. 750 1/4W 5% CC	1301401
R4, R11	RES. 1.5K 1/4W 5% CC	1300391
R3, R7, R10, R16, R22, R24, R29, R31, R32, R34	RES. 100K 1/4W 5% CC	1302466
R1, R8	RES. 7.5K 1/4W 5% CC	1301422
D23	DIODE 1/4M 6.8AZ	1100102
D22	DIODE IN748 3.9V	1100121
D21	DIODE IN756A 8.2V	1103441
D5, D6, D13, D14	DIODE D670	1102162
D2, D3, D11, D12, D24 THRU D27	DIODE D662	1100113
D1, D4, D7 THRU D10, D15 THRU D20	DIODE D664	1100114
C10, C11	CAP. 1,200MMF 100V 5% D.M.	1002424
C5	CAP. 2.2MFD 20V 10%	1002627
C4, C6, C7, C8, C9	CAP. 3.9MFD 10V 10% S.TANT	1000064
C3	CAP. .47MFD 35V 10% S.TANT	1005965
C1, C2	CAP. 680MMF 100V 5% D.M.	1000026
PARTS LIST		A-PL-G882-O-Q
REFERENCE DESIGNATION	DESCRIPTION	PART NO.

REV. NO.	REV.
1	3
2	D
3	E

DEC FORM NO. DRC 102

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

TRANSISTOR & DIODE CONVERSION CHART			
DEC		EIA	
DEC3638B	2N3638	D662	IN645
DEC3009B, A	2N3009	D664	IN3606
1/4M 6.8AZ	IN4099	D670	IN3693
DEC2219A	2N2219	IN756A	SAME
DEC2894-3B	NONE	IN748	SAME

digital
EQUIPMENT
CORPORATION
MAYNARD, MASSACHUSETTS

TITLE
MANCHESTER READER
WRITER G882

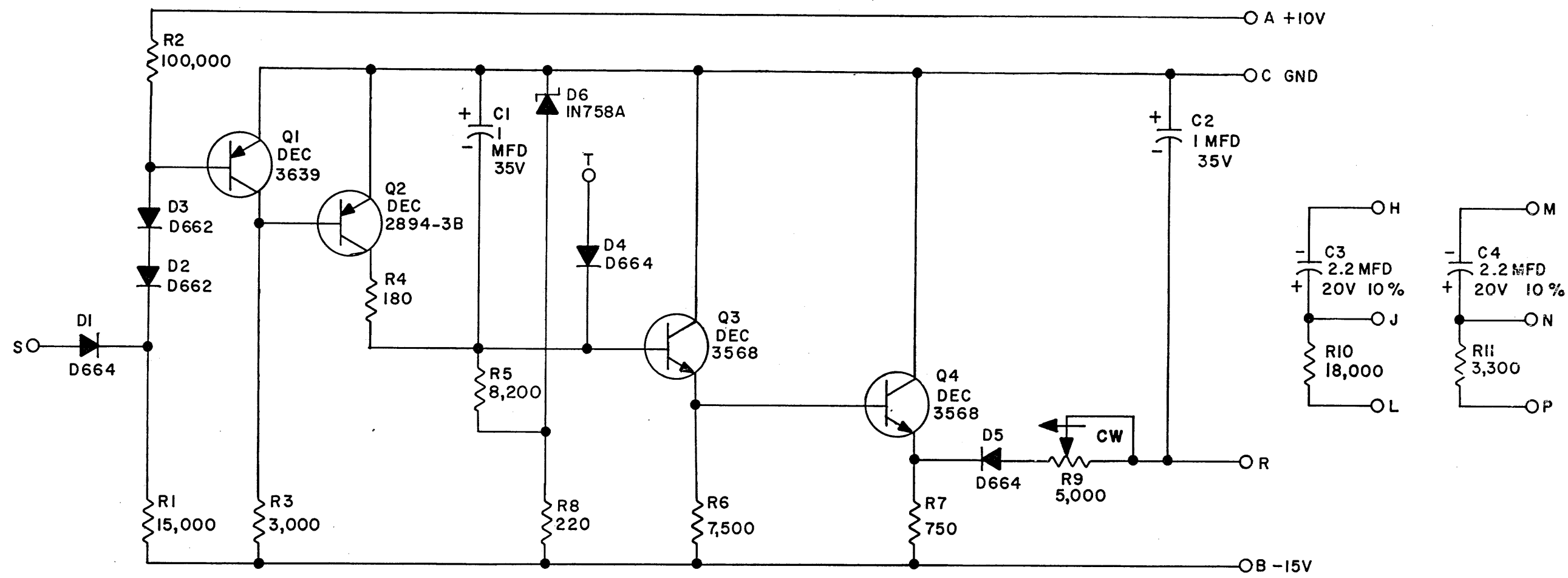
SIZE	CODE	NUMBER	REV.
C	CS	G882-O-1	E

PRINTED CIRCUIT REV. B

DATE 10/14/83 BY 159

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REV. NUMBER SIZE CODE

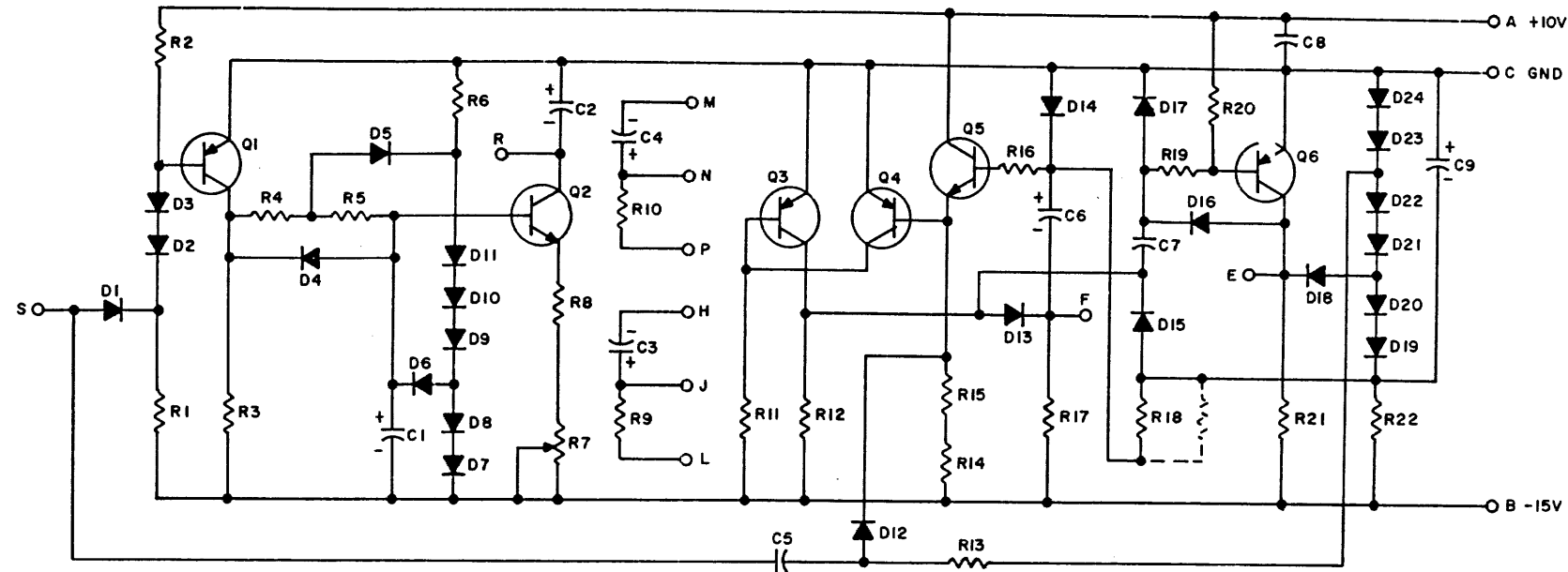


UNLESS OTHERWISE INDICATED:
RESISTORS ARE 1/4W; 5%
R9 IS A #275P

PARTS LIST A-PL-G903-0-0

REVISIONS CHK CHG NO. REV 5373 A 5678 B 5743 C 5883 D 6876 E 6876 F						DRN. N. PERRYMAN DATE 3-2-66		TRANSISTOR & DIODE CONVERSION CHART <table border="1"> <tr> <th>DEC</th> <th>EIA</th> <th>DEC</th> <th>EIA</th> </tr> <tr> <td>DEC 2894-3B</td> <td>NONE</td> <td>IN758A</td> <td>SAME</td> </tr> <tr> <td>DEC 3568</td> <td>2N3568</td> <td></td> <td></td> </tr> <tr> <td>DEC 3639</td> <td>2N3639</td> <td></td> <td></td> </tr> <tr> <td>D662</td> <td>IN645</td> <td></td> <td></td> </tr> <tr> <td>D664</td> <td>IN3606</td> <td></td> <td></td> </tr> </table>				DEC	EIA	DEC	EIA	DEC 2894-3B	NONE	IN758A	SAME	DEC 3568	2N3568			DEC 3639	2N3639			D662	IN645			D664	IN3606			digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS		TITLE CLOCK ACCELERATOR G903 SIZE B CODE CS NUMBER G903-0-1 REV. F PRINTED CIRCUIT REV. E			
DEC	EIA	DEC	EIA																																						
DEC 2894-3B	NONE	IN758A	SAME																																						
DEC 3568	2N3568																																								
DEC 3639	2N3639																																								
D662	IN645																																								
D664	IN3606																																								

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R9	RES. 12K 1/4W 5% CC	I300488
Q6	TRANSISTOR DEC2894-2B-S	I503098
Q3, Q4	TRANSISTOR DEC3639C	I502762-01
Q2, Q5	TRANSISTOR DEC3009B-S	I503100
Q1	TRANSISTOR DEC6534C	I503409-02
R21	RES. 7.5K 1/4W 5% CC	I301422
R19	RES. 47 1/4W 5% CC	I300202
R18	RES. 6.8K 1/4W 5% CC	I301423
R16	RES. 100 1/4W 5% CC	I300229
R13, R20	RES. 10K 1/4W 5% CC	I300479
R11, R12, R22	RES. 1.5K 1/4W 5% CC	I300391
R10	RES. 3.3K 1/4W 5% CC	I300439
R8	RES. 330 1/4W 5% CC	I300295
R7	RES. 5K #275P POT	I305451
R5	RES. 1.2K 1/4W 5% CC	I301320
R3, R4, R6, R17	RES. 1K 1/4W 5% CC	I300365
R2	RES. 100K 1/4W 5% CC	I302466
R1, R14, R15	RES. 15K 1/4W 5% CC	I300496
D2, D3, D7-D11, D19-D24	DIODE D662	I100113
D1, D4-D6, D12-D18	DIODE D664	I100114
C9	CAP. 39MFD 10V 10% S.TANT	I000076
C8	CAP. .01MFD 100V 20% DISC	I001610
C7	CAP. 330MMF 100V 5% D.M.	I000023
C5	CAP. 100MMF 100V 5% D.M.	I000016
C4	CAP. 2.2MFD 20V 10%	I002627
C3	CAP. 3.9MFD 10V 10% S.TANT	I000064
C2, C6	CAP. 1MFD 35V 10% S.TANT	I001776
C1	CAP. 6.8MFD 35V 10%	I005306
PARTS LIST		A-PL-6913-O-O
REFERENCE DESIGNATION	DESCRIPTION	PART NO.

REVISIONS
CHG NO. REV.

DEC FORM NO.
DRC 102

DRN. *W. H. H. H.* DATE *6-9-68*
CHG. *W. H. H. H.* DATE *5/10/68*
PROD. *W. H. H. H.* DATE *5/27/68*

TRANSISTOR & DIODE CONVERSION CHART			
DEC	EIA	DEC	EIA
D662	1N645	DEC2894-2B	NONE
D664	1N3606		
DEC6534C	MP36534		
DEC3009B	2N3009		
DEC3639C	2N3639		

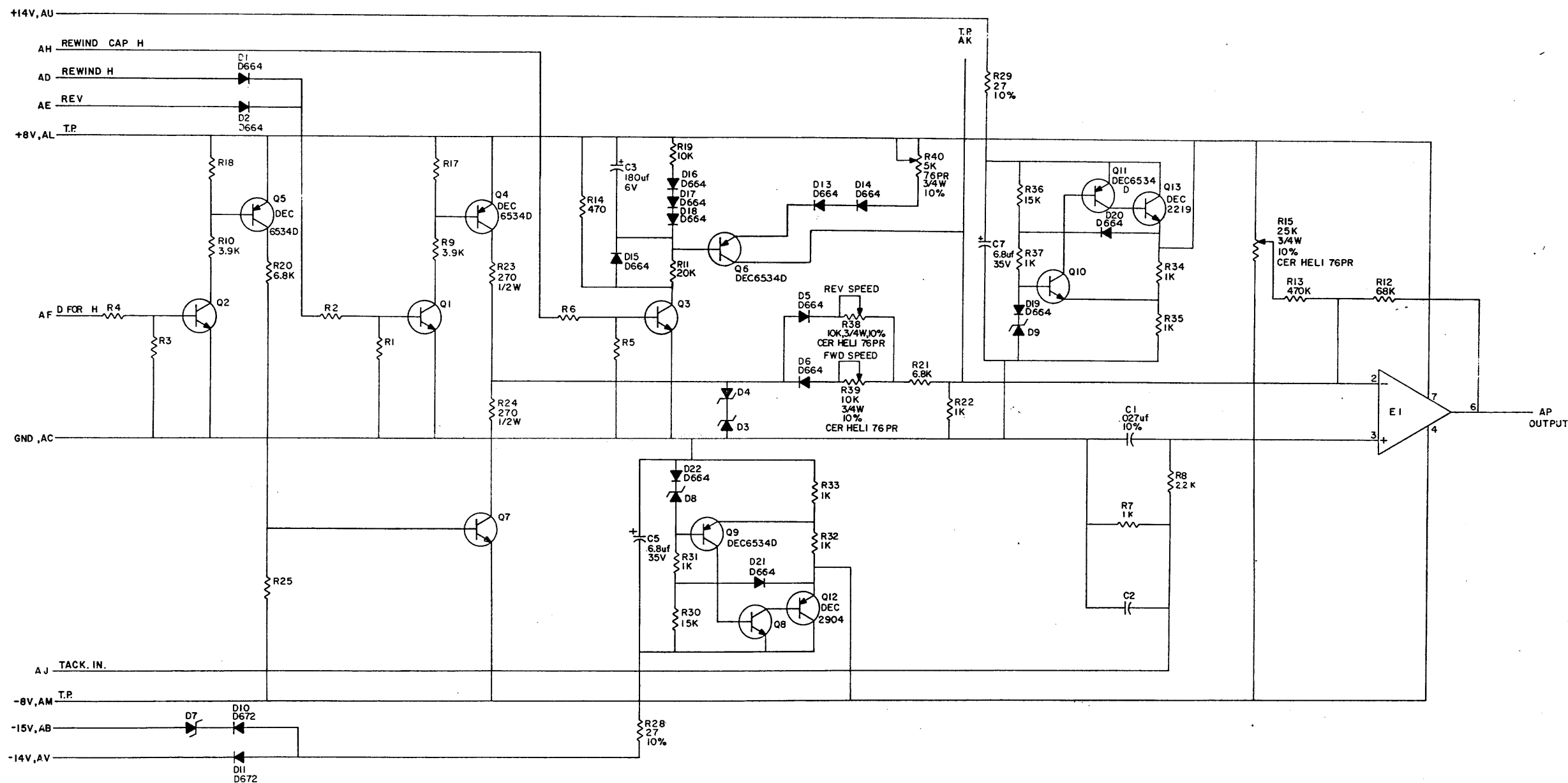
DIGITAL
EQUIPMENT
CORPORATION
MAYNARD, MASSACHUSETTS

TITLE
CLOCK CONTROL G913
SIZE CODE NUMBER
C CS G913-0-1
PRINTED CIRCUIT REV. A

DIS 324 434 435

PINK

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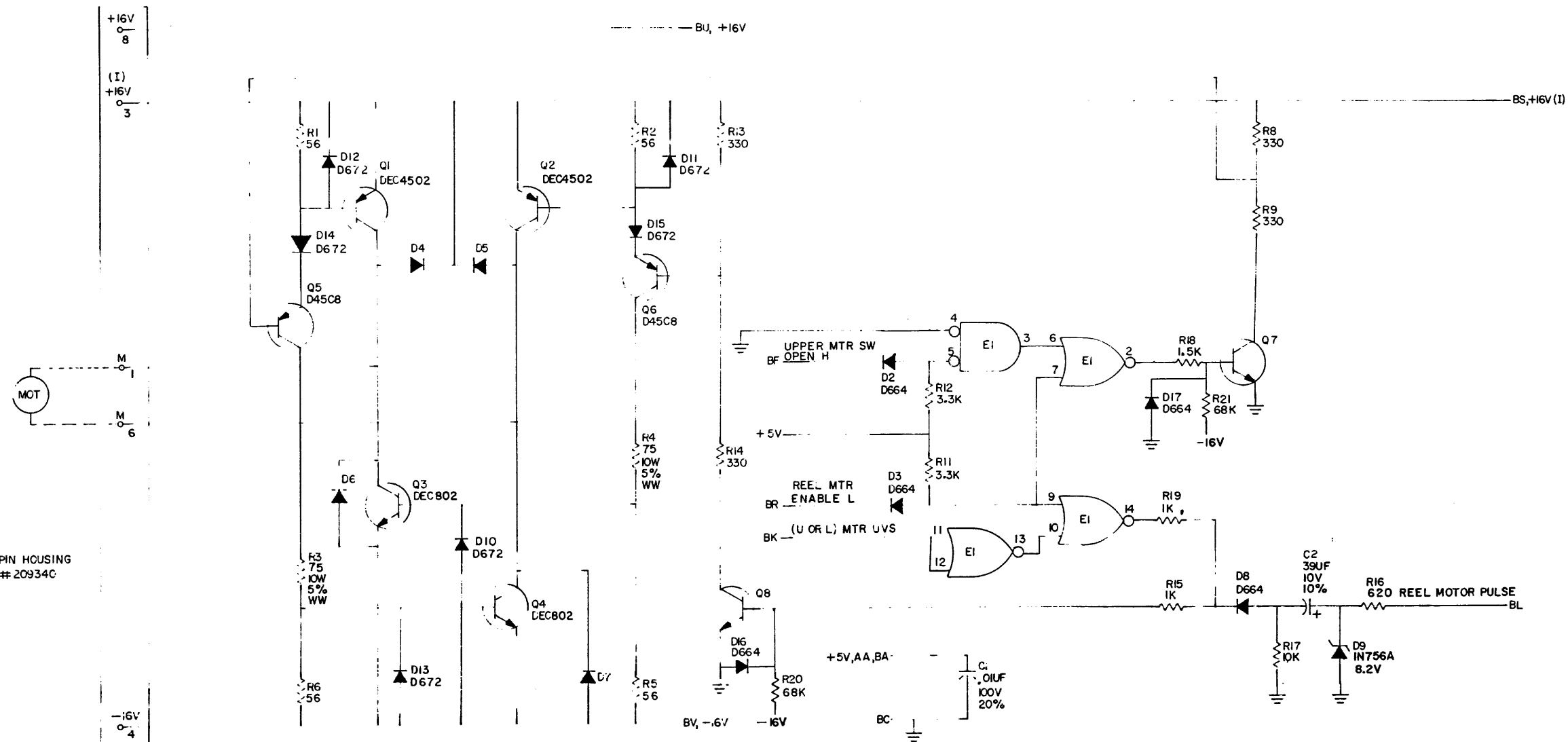
REV	DATE	BY	CHKD	APPD
1	8-20-70	S. COOPER		
2	10-13-70			
3	10-13-70			
4	10-13-70			
5	10-13-70			
6	10-13-70			
7	10-13-70			
8	10-13-70			
9	10-13-70			
10	10-13-70			

TRANSISTOR & DIODE CONVERSION CHART			
DEC	EA	DEC	EA
DEC6531	MP6531	IN750A	1N3608
DEC6534	MP6534	D672	1N3653

digital		EQUIPMENT CORPORATION		TU-10 CAPSTAN SERVO PREAMPLIFIER 6932	
DATE	CODE	NUMBER	REV	DATE	CODE
DEC 22 1970	D	CS 6932-0-1	J		

DIST-324,474,475 1 PINK

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UNLESS OTHERWISE INDICATED:

RESISTORS = 1K, 1/4W, 5%
 DIODES = GE AI5B
 TRANSISTORS = DEC6531
 EI = DEC380
 PIN 1 = GND
 PIN 8 = +5V ON EI

REV	CHK	NO	REV
1	1	1	1
2	2	2	2
3	3	3	3
4	4	4	4
5	5	5	5
6	6	6	6
7	7	7	7
8	8	8	8

DRN	WANCY MOORE	DATE	11/16/70
CHK'D		DATE	
ENG	J. A. F.	DATE	11/12/70
PROD		DATE	

TRANSISTOR & DIODE CONVERSION CHART			
DEC	EIA	DEC	EIA
D664	IN3606	D45C8	
IN756A	SAME	DEC3790	2N3790
AI5B		DEC3715	2N3715
DEC6531	MPS6531	DEC4502	
DEC802		D672	IN3653

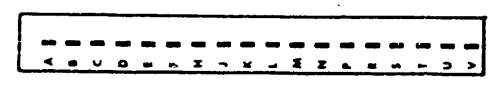
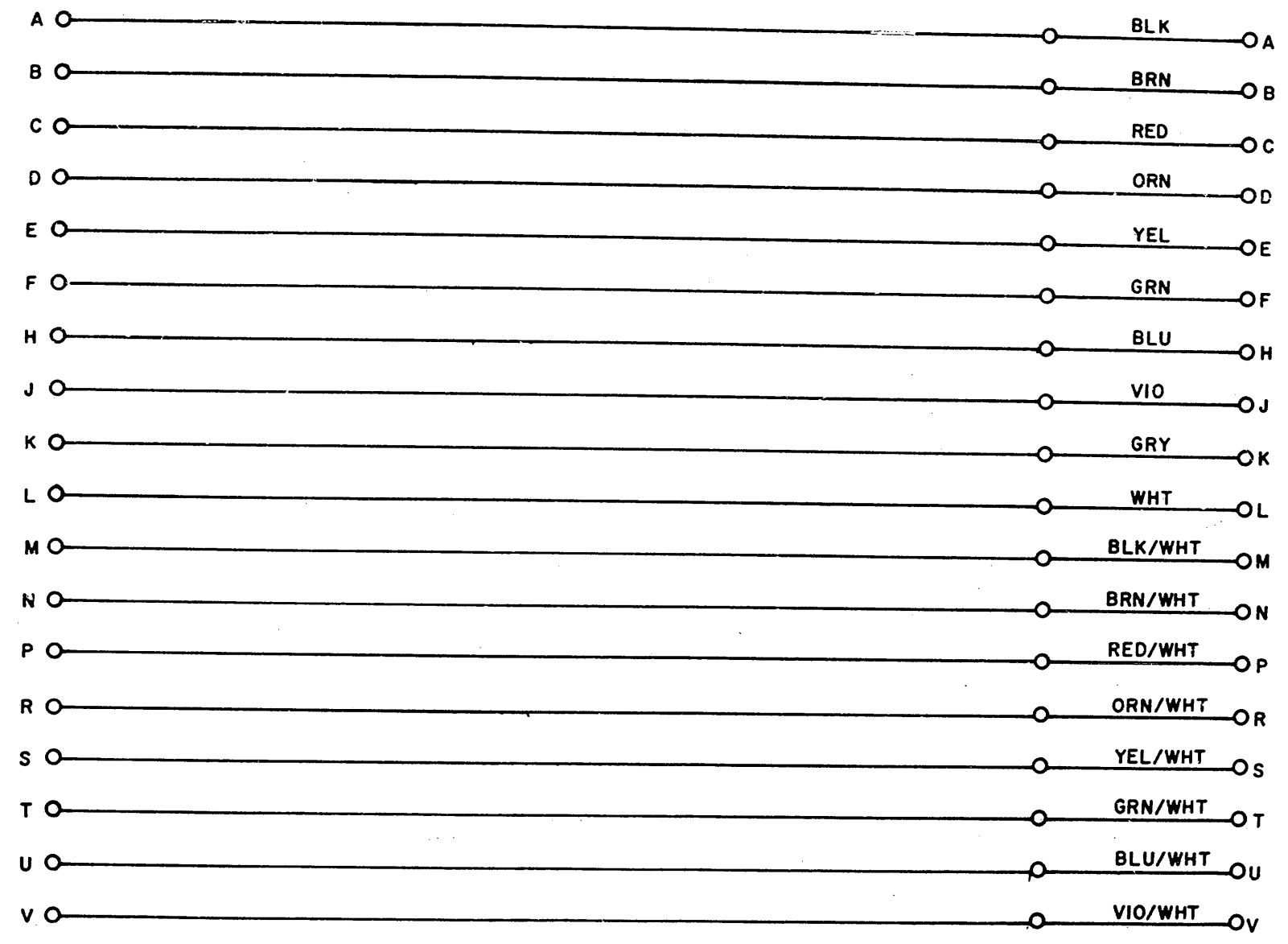
digital		EQUIPMENT CORPORATION		MAYNARD, MASSACHUSETTS	
SIZE	C	CODE	CS	NUMBER	G933-0-1
REV	K	PRINTED CIRCUIT REV.	E		

REV.	K
NUMBER	G933-0-1
SIZE	C
CODE	CS

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↓

REV	NUMBER	CS	B	SIZE
	G998-0-1			

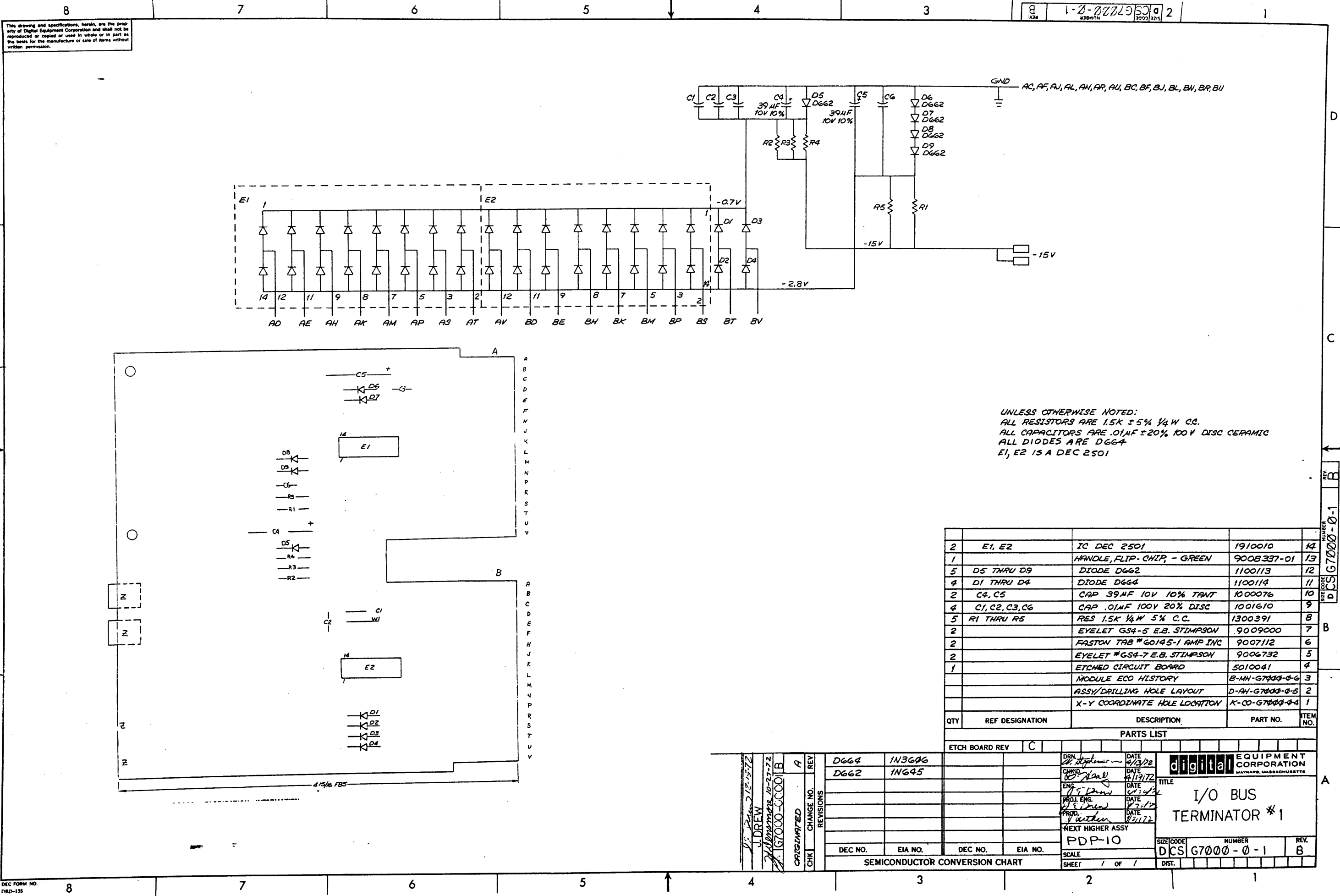


REVISIONS	CHK	CHG NO.	REV.	DRN	DATE	TRANSISTOR & DIODE CONVERSION CHART				digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS	TITLE CURRENT MEASURING EXTENDER G998			
				CHK'D	DATE	DEC	EIA	DEC	EIA		SIZE	CODE	NUMBER	REV
				ENG.	DATE						B	CS	G998-0-1	
				PROD.	DATE									

DEC FORM NO. DRB 102

PRINTED CIRCUIT REV. A

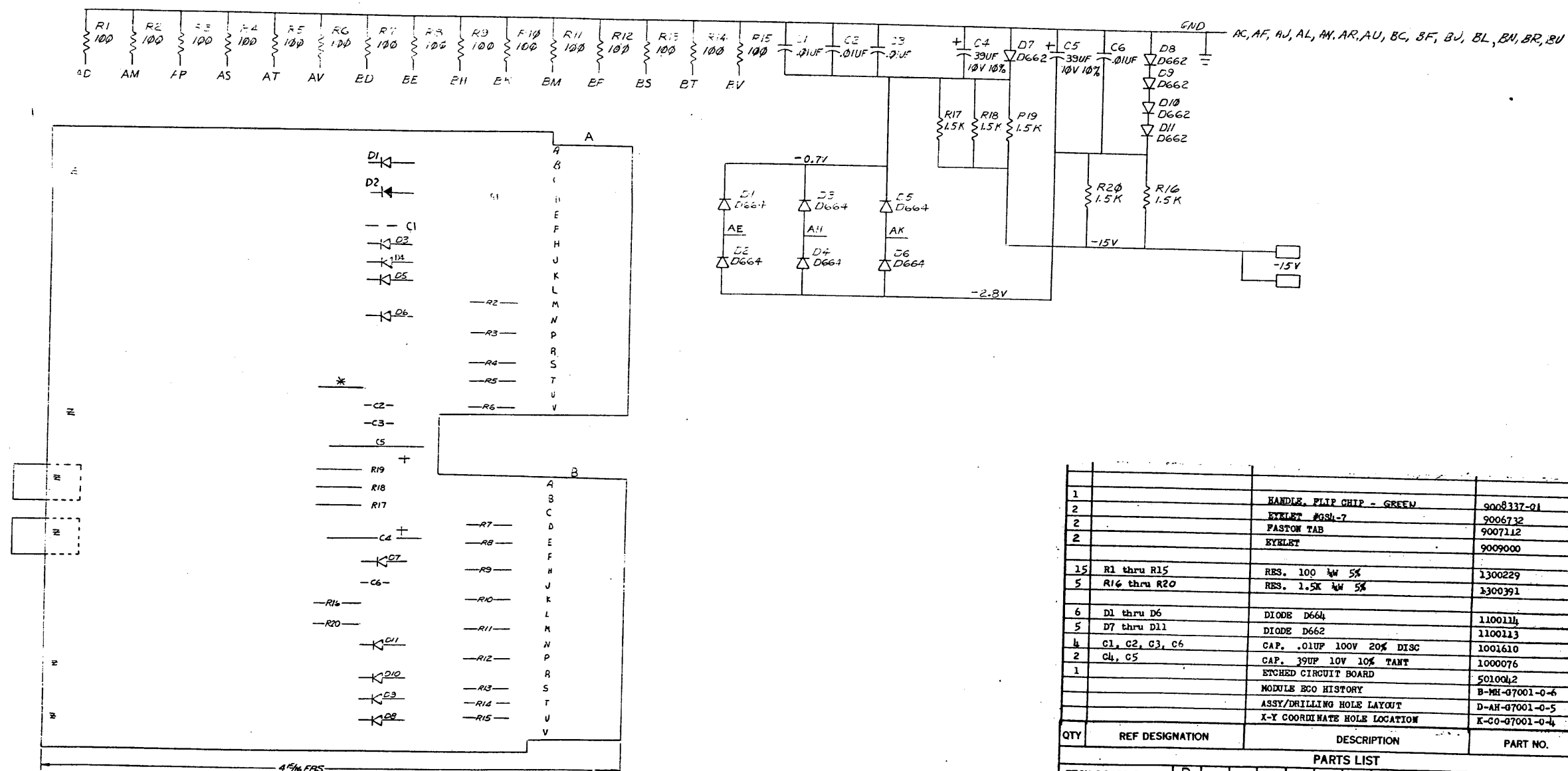




QTY	REF DESIGNATION	DESCRIPTION	PART NO.	ITEM NO.
2	E1, E2	IC DEC 2501	1910010	14
1		HANDLE, FLIP-CHIP, - GREEN	9008337-01	13
5	D5 THRU D9	DIODE D662	1100113	12
4	D1 THRU D4	DIODE D664	1100114	11
2	C4, C5	CAP 39µF 10V 10% TANT	1000076	10
4	C1, C2, C3, C6	CAP .01µF 100V 20% DISC	1001610	9
5	R1 THRU R5	RES 1.5K 1/4 W 5% C.C.	1300391	8
2		EYELET GS4-5 E.B. STIMPSON	9009000	7
2		FASTON TAB #60145-1 AMP INC	9007112	6
2		EYELET #GS4-7 E.B. STIMPSON	9006732	5
1		ETCHED CIRCUIT BOARD	5010041	4
		MODULE ECO HISTORY	B-MH-G7000-0-6	3
		ASSY/DRILLING HOLE LAYOUT	D-AH-G7000-0-5	2
		X-Y COORDINATE HOLE LOCATION	K-CO-G7000-0-4	1

PARTS LIST				
ETCH BOARD REV	C			
DEC NO.	EIA NO.	DEC NO.	EIA NO.	
D664	1N3696			
D662	1N645			
SEMICONDUCTOR CONVERSION CHART				
SCALE	SHEET	OF		
PDP-10				
NEXT HIGHER ASSY				
TITLE				
I/O BUS TERMINATOR #1				
SIZE	CODE	NUMBER	REV.	
D	C	G7000-0-1	B	

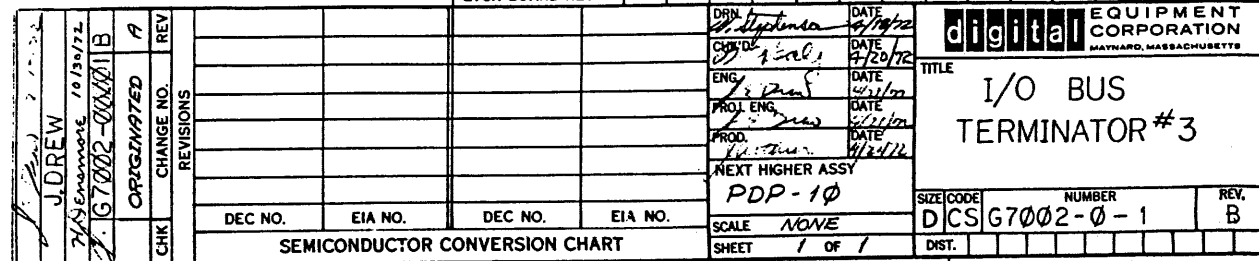
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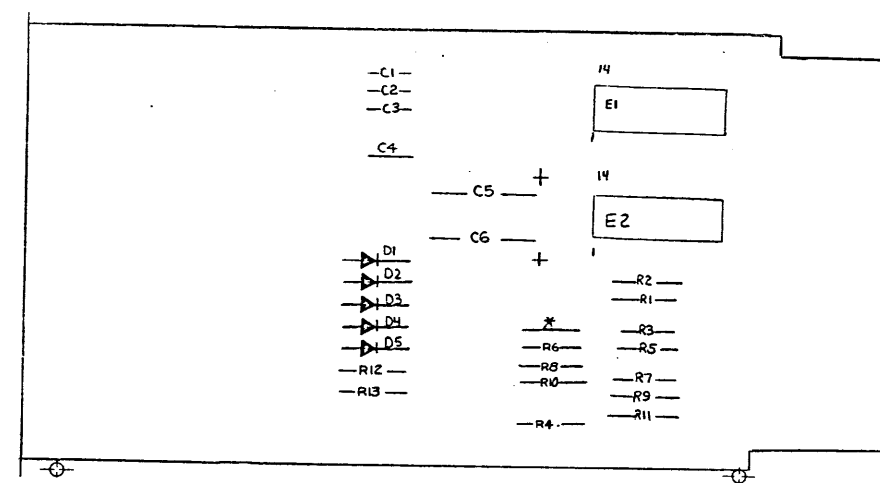
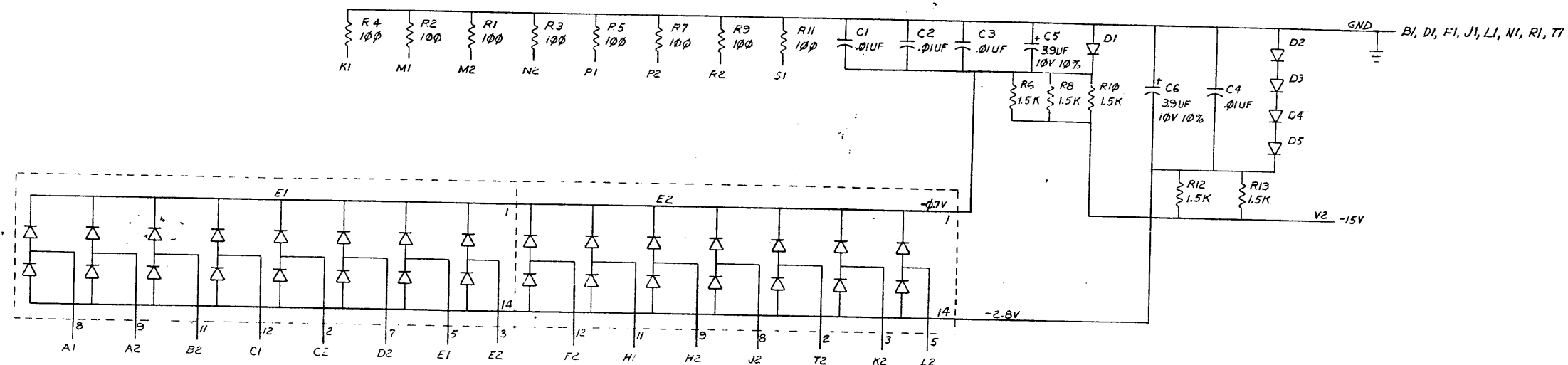


UNLESS OTHERWISE INDICATED
ALL RESISTORS ARE 1/4W 5%
ALL CAPACITORS ARE 100V 20%

1		HANDLE. FLIP CHIP - GREEN	9008137-01	
2		EYELET #GSH-7	9006732	
2		PASTON TAB	9007112	
2		EYELET	9009000	
15	R1 thru R15	RES. 100 $\frac{W}{\Omega}$ 5%	1300229	
5	R16 thru R20	RES. 1.5K $\frac{W}{\Omega}$ 5%	1300391	
6	D1 thru D6	DIODE D664	1100114	
5	D7 thru D11	DIODE D662	1100113	
4	C1, C2, C3, C6	CAP. .01UF 100V 20% DISC	1001610	
2	C4, C5	CAP. .39UF 10V 10% TANT	1000076	
1		ETCHED CIRCUIT BOARD	5010042	
		MODULE ECO HISTORY	B-MH-07001-0-6	
		ASSY/DRILLING HOLE LAYOUT	D-AH-07001-0-5	
		X-Y COORDINATE HOLE LOCATION	K-CO-07001-0-4	
QTY	REF DESIGNATION	DESCRIPTION	PART NO.	ITEM NO.

[illegible]



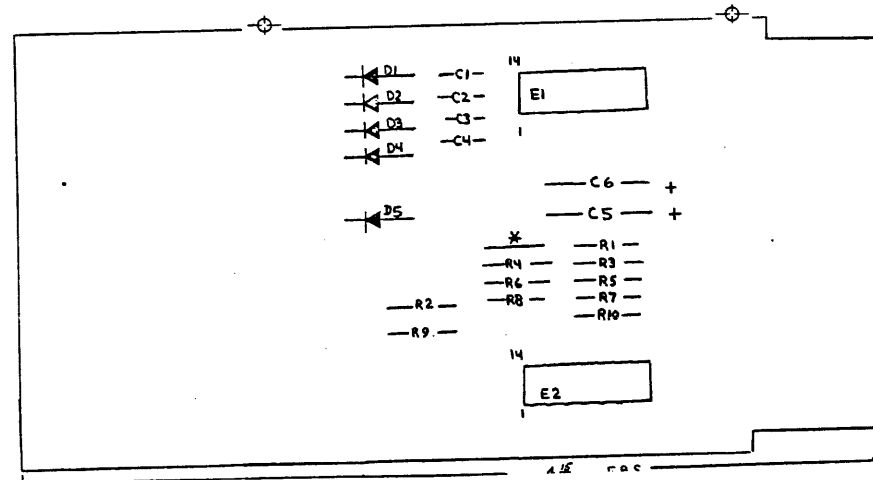
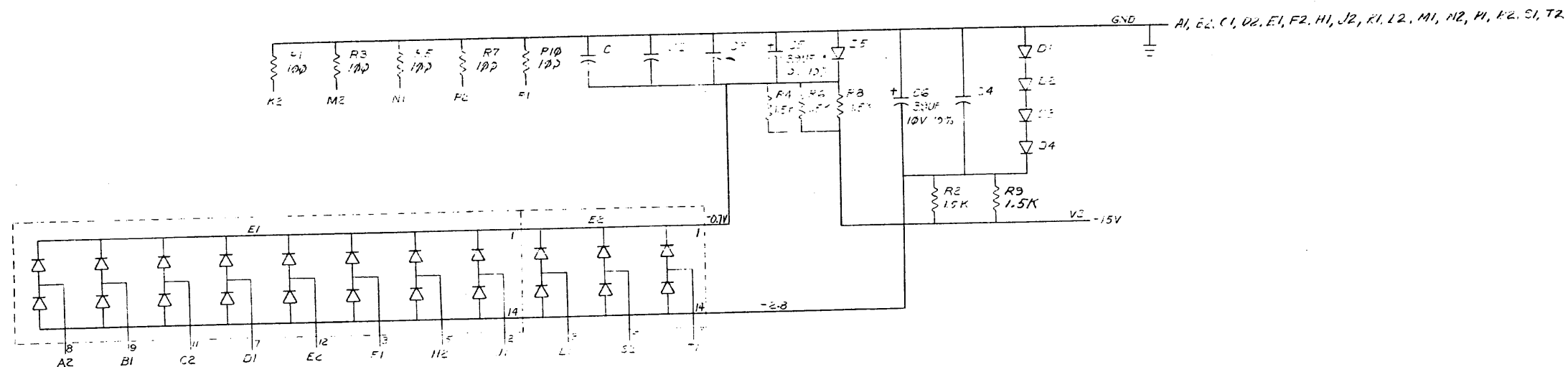


UNLESS OTHERWISE SPECIFIED
ALL RESISTORS ARE 5% 1/4W
ALL CAPACITORS ARE 20% 100V
ALL DIODES ARE 1N4148
E1, E2 ARE 200000

1		JUMPER, INSULATED L-2007-1	9009185	13
1		HANDLE, PLIP CHIP -GREEN	9008337-01	12
2		EYELET	9006732	11
2	D1, E2	I.C. D8C 2501	1910010	10
8	R1, 2, 3, 5, 7, 9, 11, 4	RES. 10C 1/2W 5%	1300229	9
5	R6, R8, 10, 12, 13	RES. 1.5K 1/2W 5%	1300391	8
5	D1, 2, 3, 4, 5	DIODE D662	1100113	7
2	C5, C6	CAP. 1.0UF 10V 10% S.TANT	1000064	6
4	C1, 2, 3, 4	CAP. .01UF 100V 20% DISC	1001610	5
1		ETCHED CIRCUIT BOARD	5010044	4
		MODULE ECO HISTORY	B-MH-87003-0-6	3
		ASSY/DRILLING HOLE LAYOUT	D-AH-87003-0-5	2
		X-Y COORDINATE MOUNT LOCATION	K-CO-87003-0-4	1
QTY	REF DESIGNATION	DESCRIPTION	PART NO.	ITEM NO

REV	ETCH BOARD REV		P		DATE		REV.			
	Doc	1045			DIN	9/14/72	digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS	TITLE I/O BUS TERMINATOR #1		
					CHKD.	9/14/72				
					ENG.	9/14/72				
					PROD. ENG.	9/14/72				
					PROD.	9/14/72				
					NEXT HIGHER ASSY H967					
					SCALE —					
					SHEET / OF /					
					DIST.					
CHIK	DEC NO.		EIA NO.		SIZE CODE				NUMBER	
					DCS	G7003-0-1			A	
SEMICONDUCTOR CONVERSION CHART										

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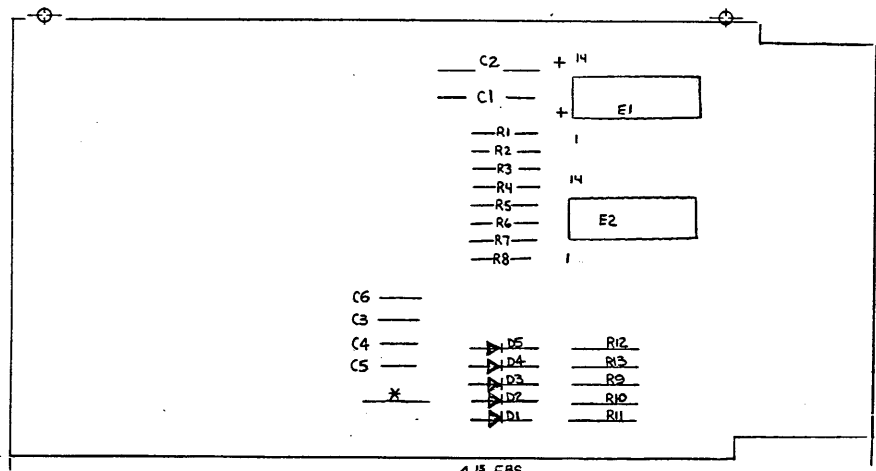
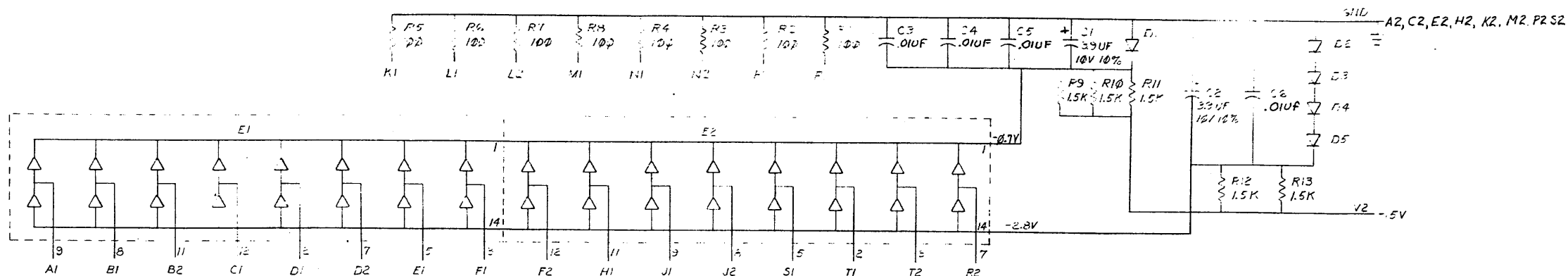
UNLESS OTHERWISE SPECIFIED

ALL RESISTORS ARE 5% 1/4W
ALL CAPACITORS ARE .01UF 20% 100V
ALL DIODES ARE D601
E1, E2 ARE DEC 2001

				13	ITEM NO.
1		HANDLE, FLIP CHIP - GREEN	9008337-01	12	
2		BYELETS	9006732	11	
2	R1, R2	I.C. D82 2501	1910010	10	
5	R1, 3, 5, 7, 10	RES. 100 W 5%	1300229	9	
5	R2, 4, 6, 8, 9	RES. 1.5K W 5%	1300391	8	
5	D1, 2, 3, 4, 5	DIODE D662	1100113	7	
5	C5, C6	CAP. 3.9UF 10V 10% TANT	1000064	6	
4	C1, 2, 3, 4	CAP. .01UF 100V 20% NE5C	1001610	5	
1		ETCHED CIRCUIT BOARD	5010045	4	
		MODULE ECO HISTORY	B-MH-07004-0-6	3	
		ASSY/DRILLING HOLE LAYOUT	D-AH-07004-0-5	2	
		X-Y COORDINATE HOLE LOCATION	K-CO-07004-0-4	1	
QTY	REF DESIGNATION	DESCRIPTION	PART NO.	ITEM NO.	

CHK	CHANGE NO.	REV	ETCH BOARD REV				B	PARTS LIST											
			D662	1A645				DRN.	DATE	digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS A 1/0 BUS TERMINATOR #2									
								CHKD.	DATE										
								ENG.	DATE										
								PROL. ENG.	DATE										
								PROD.	DATE										
								NEXT HIGHER ASSY											
								H367											
								SCALE		—									
					SHEET		OF												
DEC NO.		EIA NO.		DEC NO.		EIA NO.		SIZE CODE		NUMBER		REV.							
SEMICONDUCTOR CONVERSION CHART								DCS		3704-0-1		A							
CIST.																			

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UNLESS OTHERWISE SPECIFIED
ALL RESISTORS ARE 5% 1/4W
ALL CAPACITORS ARE 20% 100V
ALL DIODES ARE D662
E1, E2 ARE DEC 2501

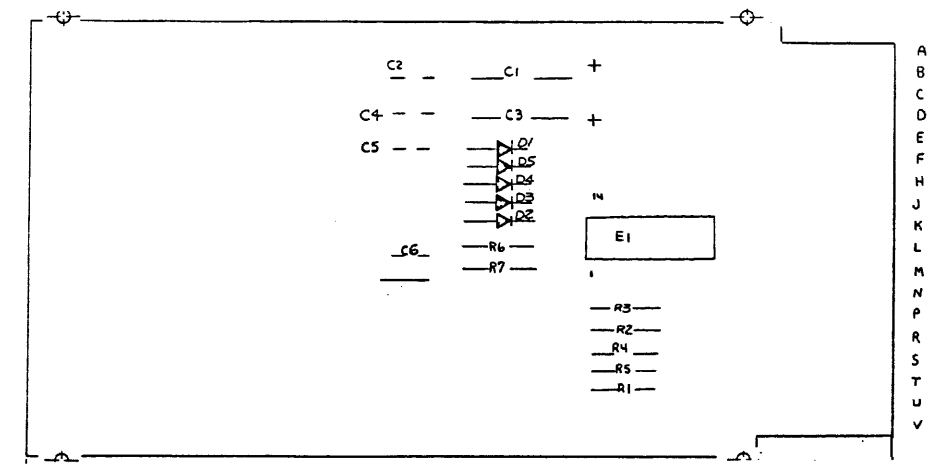
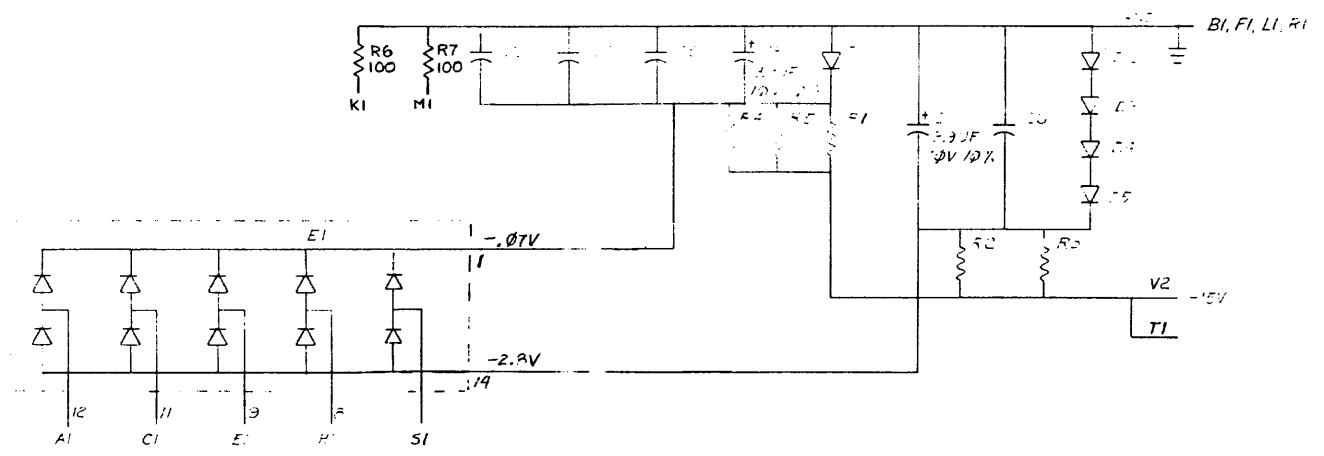
QTY	REF DESIGNATION	DESCRIPTION	PART NO.	ITEM NO.
2	E1, E2	I.C. DEC 2501	1910010	10
1	R1, 2, 3, 4, 5, 6, 7, 8	RES. 100 1/4W 5%	1300229	9
5	R9, 10, 11, 12, 13	RES. 1.5K 1/4W 5%	1300391	8
5	D1, 2, 3, 4, 5	DIODE D662	1100113	7
2	C1, C2	CAP. 3.9UF 10V 10% TANT	1000004	6
4	C3, 4, 5, 6	CAP. .01UF 100V 20% DISC	1001610	5
1		ETCHED CIRCUIT BOARD	5010046	4
		MODULE ECO HISTORY	B-MH-07005-0-6	3
		ASSY/DRILLING HOLE LAYOUT	D-AH-07005-0-5	2
		X-Y COORDINATE HOLE LOCATION	K-CO-07005-0-4	1

PARTS LIST			
ETCH BOARD REV	B	DATE	2/15/72
CHKD		DATE	7/6/72
END		DATE	8/6/72
PROD. ENG.		DATE	8/6/72
PROD.		DATE	8/6/72
NEXT HIGHER ASSY		DATE	8/6/72
SCALE		DATE	8/6/72
SHEET	3	DATE	8/6/72
DEC NO.	EIA NO.	DEC NO.	EIA NO.
SEMICONDUCTOR CONVERSION CHART			
DRN	DATE	2/15/72	
CHKD	DATE	7/6/72	
END	DATE	8/6/72	
PROD. ENG.	DATE	8/6/72	
PROD.	DATE	8/6/72	
NEXT HIGHER ASSY	DATE	8/6/72	
SCALE	DATE	8/6/72	
SHEET	3	DATE	8/6/72
DEC NO.	EIA NO.	DEC NO.	EIA NO.
SEMICONDUCTOR CONVERSION CHART			
DRN	DATE	2/15/72	
CHKD	DATE	7/6/72	
END	DATE	8/6/72	
PROD. ENG.	DATE	8/6/72	
PROD.	DATE	8/6/72	
NEXT HIGHER ASSY	DATE	8/6/72	
SCALE	DATE	8/6/72	
SHEET	3	DATE	8/6/72
DEC NO.	EIA NO.	DEC NO.	EIA NO.
SEMICONDUCTOR CONVERSION CHART			

digital EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS
I/O BUS
TERMINATOR #3

SIZE CODE D
NUMBER 67005-0-1
REV. A

Dimensions, herein, are the proportions and shall not be in whole or in part as a rule of thumb without



UNLESS OTHERWISE SPECIFIED
ALL RESISTORS ARE 1.5K 5% 1/4W
ALL CAPACITORS ARE .01UF 20% 160V
ALL DIODES ARE D662
E1 IS DEC 25/1

QTY.	REF. DESIGNATION	DESCRIPTION	PART NO.	ITEM NO.
2		EYELET	9006732	12
1		I.C. DEC 2501	1910010	11
1		HANDLE, FLIP CHIP - GREEN	9008337-01	10
5	R2, 3, 4, 5, 1	RES. 1.5K 1/4W 5%	1300391	9
2	R6, 7	RES. 100 1/4W 5%	1300229	8
5	D1, 2, 3, 4, 5	DIODE D662	1100113	7
2	C1, C3	CAP. 3.9UF 10V 10% TANT	1000064	6
4	C2, 4, 5, 6	CAP. .01UF 100V 20% DISC	1001610	5
1		ETCHED CIRCUIT BOARD	5010047	4
		MODULE ECO HISTORY	B-MH-07006-0-6	3
		ASSY/DRILLING HOLE-LAYOUT	D-AH-07006-0-5	2
		X-Y COORDINATE HOLE LOCATION	K-CO-07006-0-4	1
		DEC PART NO.		

ETCH BOARD REV		C	DATE		2/1/72
CHK	CHANGE NO.	REVISIONS	DRN	DATE	2/1/72
			CHKD	DATE	4/2/72
			ENG	DATE	4/2/72
			PROJ ENG	DATE	4/2/72
			PROD	DATE	4/2/72
NEXT HIGHER ASSY			TITLE		
DEC NO.			EIA NO.		
SEMICONDUCTOR CONVERSION CHART			SCALE		
SHEET			OF		
SIZE			CODE		
DIST.			NUMBER		
			REV.		

digital EQUIPMENT CORPORATION
WAYNARD, MASSACHUSETTS

I/O BUS
TERMINATOR "4"

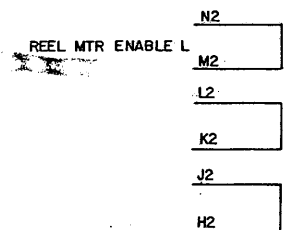
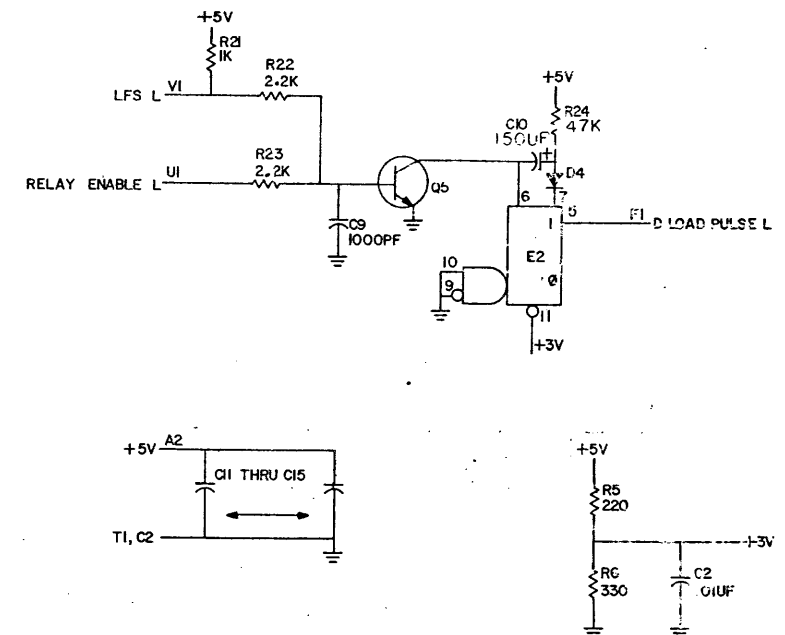
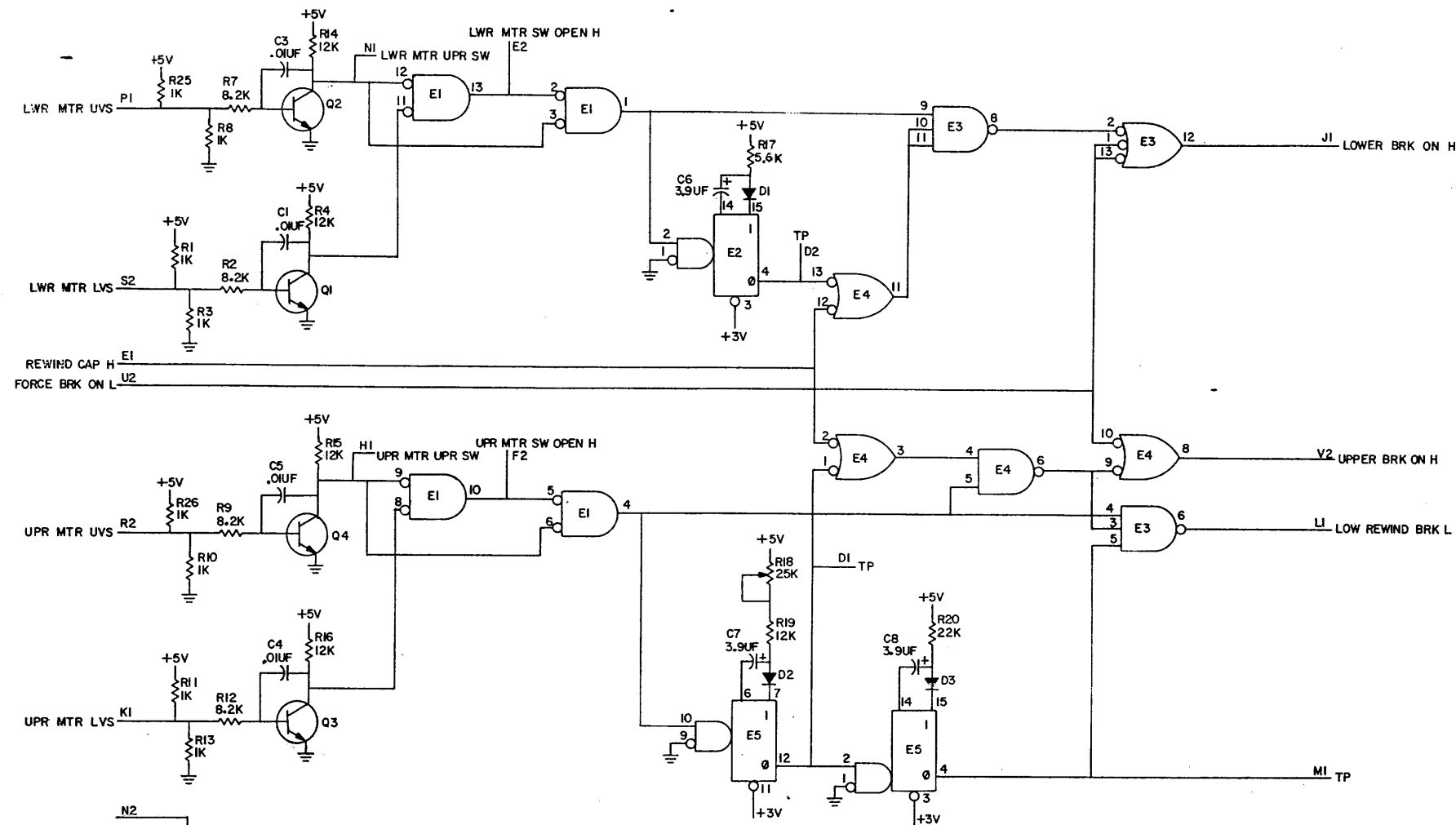
SIZE CODE
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NUMBER
67006-01

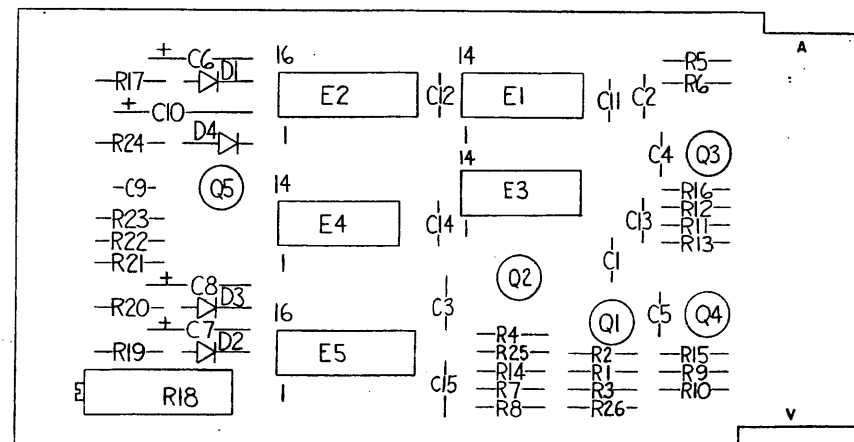
REV.
C

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10001 1/15



PIN 7=GND ON E1,E3,E4
PIN 14 = +5V
PIN 8 = GND ON E2,E5
PIN 16 = +5V



1	HANDLE, FLIP CHIP - GREEN	90C117-2	28
2	EYELET #04-7	90C172	28
1	R17	RES. 5.6K 1/4W 5%	27
A/R	TRIPLER	121024-0	26
2	22, 5	7402 DEC 7402	25
1	E1	I.C. DEC 7402	24
1	E3	I.C. DEC 7410	23
1	E4	I.C. DEC 7400	22
4	Q1, 2, 3, 4	TRANSISTOR DEC 6531	21
1	Q5	TRANSISTOR DEC 3009B	20
1	R18	RES. 25K POT HELIOTRM 76PR 3/4W 10%	19
4	R2, 7, 9, 12	RES. 8.2K 1/4W 5%	18
1	R24	RES. 47K 1/4W 5%	17
1	R20	RES. 22K 1/4W 5%	16
5	R4, 14, 15, 16, 19	RES. 12K 1/4W 5%	15
2	R22, 23	RES. 2.2K 1/4W 5%	14
9	R1, 3, 8, 10, 11, 13, 21, 25, 26	RES. 1K 1/4W 5%	13
1	R6	RES. 330 1/4W 5%	12
1	R5	RES. 220 1/4W 5%	11
4	D1 - D4	DIODE D664	10
10	C1 - C10	CAP. .01UF 100V 20% DISC	9
1	C10	CAP. 150UF 6V 20% TAN	8
3	C6, 7, 9	CAP. 3.9UF 10V 10% TAN	7
1	C9	CAP. 10UF 10V 55 MICA	6
1	C8	ETCHED FILM 100V 50% TAN	5
1	C7	ETCHED FILM 100V 50% TAN	4
1	C6	ETCHED FILM 100V 50% TAN	3
1	C5	ETCHED FILM 100V 50% TAN	2
1	C4	ETCHED FILM 100V 50% TAN	1
1	C3	ETCHED FILM 100V 50% TAN	0
1	C2	ETCHED FILM 100V 50% TAN	0
1	C1	ETCHED FILM 100V 50% TAN	0
1	C0	ETCHED FILM 100V 50% TAN	0
1	C-1	ETCHED FILM 100V 50% TAN	0
1	C-2	ETCHED FILM 100V 50% TAN	0
1	C-3	ETCHED FILM 100V 50% TAN	0
1	C-4	ETCHED FILM 100V 50% TAN	0
1	C-5	ETCHED FILM 100V 50% TAN	0
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1	C-8	ETCHED FILM 100V 50% TAN	0
1	C-9	ETCHED FILM 100V 50% TAN	0
1	C-10	ETCHED FILM 100V 50% TAN	0
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1	C-14	ETCHED FILM 100V 50% TAN	0
1	C-15	ETCHED FILM 100V 50% TAN	0
1	C-16	ETCHED FILM 100V 50% TAN	0
1	C-17	ETCHED FILM 100V 50% TAN	0
1	C-18	ETCHED FILM 100V 50% TAN	0
1	C-19	ETCHED FILM 100V 50% TAN	0
1	C-20	ETCHED FILM 100V 50% TAN	0
1	C-21	ETCHED FILM 100V 50% TAN	0
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1	C-45	ETCHED FILM 100V 50% TAN	0
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1	C-47	ETCHED FILM 100V 50% TAN	0
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1	C-97	ETCHED FILM 100V 50% TAN	0
1	C-98	ETCHED FILM 100V 50% TAN	0
1	C-99	ETCHED FILM 100V 50% TAN	0
1	C-100	ETCHED FILM 100V 50% TAN	0

TRANSISTOR & DIODE CONVERSION CHART

DEC	EA	DEC	EA
D664	IN3608		
DEC6531	MPS6531		

digital EQUIPMENT CORPORATION

TITLE BRAKE ACTUATOR

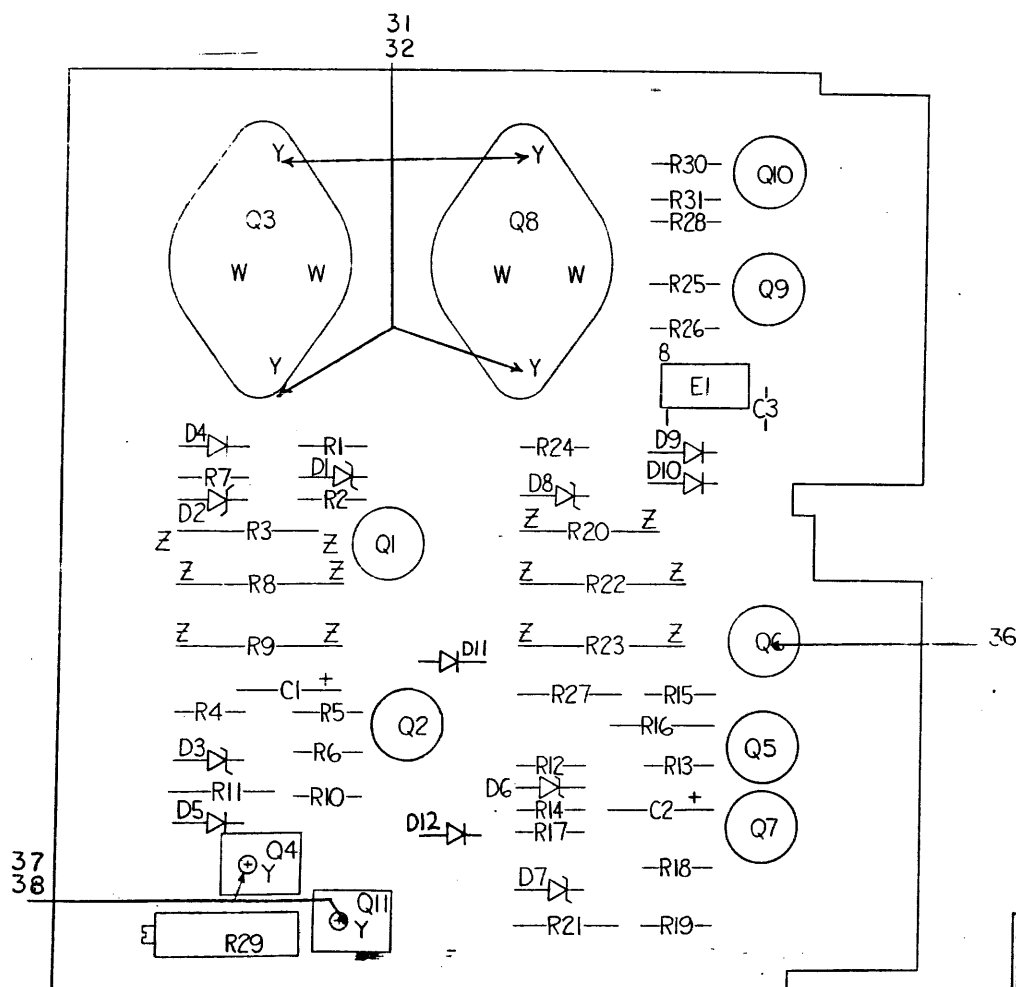
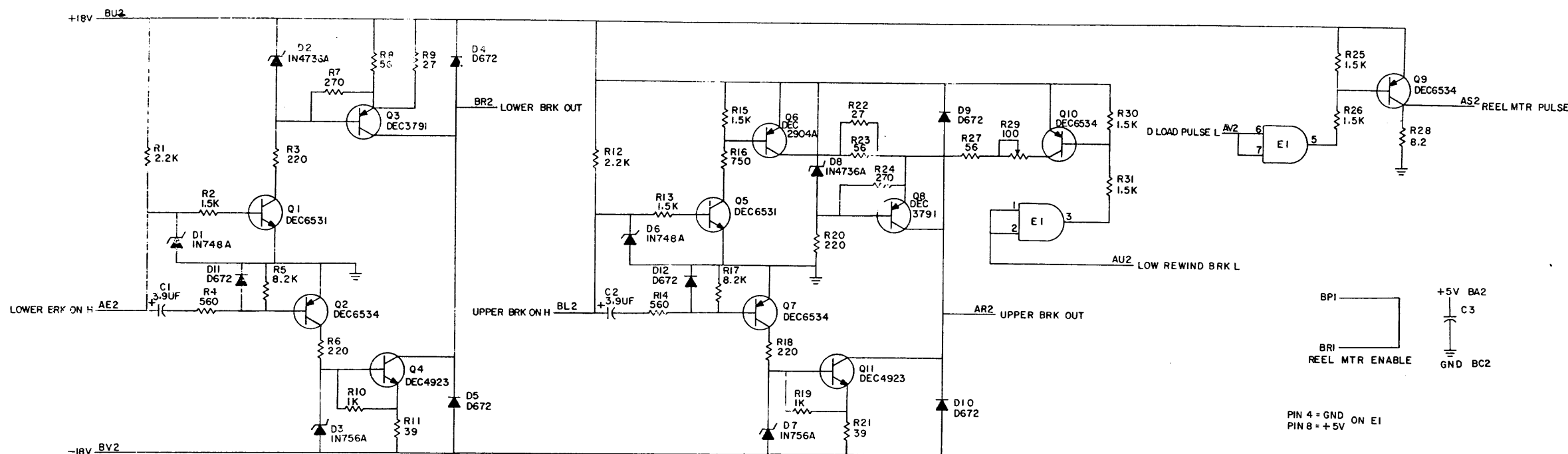
REV C

NUMBER 69340-0-1

PRINTED CIRCUIT REV. B

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8 1-0-101666 CS D
3000 1/15



2	NUT, 4-40 NYLON	9001992	38
2	SCREW 4-40 X 1/4 NYLON	900640T-5	37
1	(UNDER Q6) TRANSIPAD	9007200	36
2	R10, R19 RES. 1K 1/4W 5%	1300165	35
2	HANDLE, FLIP CHIP - GREEN	9008337-01	34
	EYELET	9006732	33
4	#4 KEP NUT	9006557	32
4	SCREW #4 X 5/16LG	9006010-1	31
1	I.C. DEC 75451	1910406	30
1	Q4, 11 TRANSISTOR 2N4923	1509604	29
1	Q3, 8 TRANSISTOR 2N3791	1509581	28
2	Q1, 5 TRANSISTOR DEC 6531	1509338	27
4	Q2, 9, 10, 7 TRANSISTOR DEC 6534D	1503409	26
1	Q6 TRANSISTOR 2N2904A	1501913	25
1	Q25 PCT 100 3/4W 10% 76PR	1309143-04	24
2	Q9, 22 RES. 27 2W 10%	1305624	23
3	Q5, 17, 28 RES. 6.2K 1/2W 5%	1302836	22
	Q23, 1 RES. 56 2W 5%	1302936	21
	Q11, 21 RES. 39 1/2W 5%	1302336	20
	Q7, 24 RES. 270 1/2W 5%	1301972	19
4	Q13, 4 RES. 560 1/2W 5%	1301890	18
	Q1, Q12 RES. 2.2K 1/2W 5%	1300417	17
	Q2, Q15, 15, 25, 26, 30, 31 RES. 1.5K 1/2W 5%	1300391	16
1	Q1 RES. 750 1/2W 5%	1300354	15
1	Q3, 20 RES. 220 1W 10%	1300237	14
2	Q14, 6 RES. 220 1/2W 5%	1300271	13
4	Q2, RES. 56 1/2W 10%	1300215	12
6	Q4, 5, 9, 10, 11, 12 DIODE D672	1105275	11
2	Q1, 6 DIODE IN748A	1100122	10
7	Q3, 7 DIODE IN756A	1103441	9
1	Q2, 8 DIODE IN4736A	1103340	8
	Q3 CAP. .01UF 100V 20% 510C	1001610	7
	Q1 CAP. 3.9UF 10V 10% 5% TANT	1000064	6
	Q1, 2 SPECIAL BOARD	9009549	5
	Q1, 1 MEMORY	8-99341-0-6	4
	Q1, 1 ALLOCATION LAYOUT	8-99341-0-5	3
	Q1, 1 ALLOCATION SKILL LOCATION	8-99341-0-4	2
	Q1, 1 ALLOCATION	8-99341-0-3	1

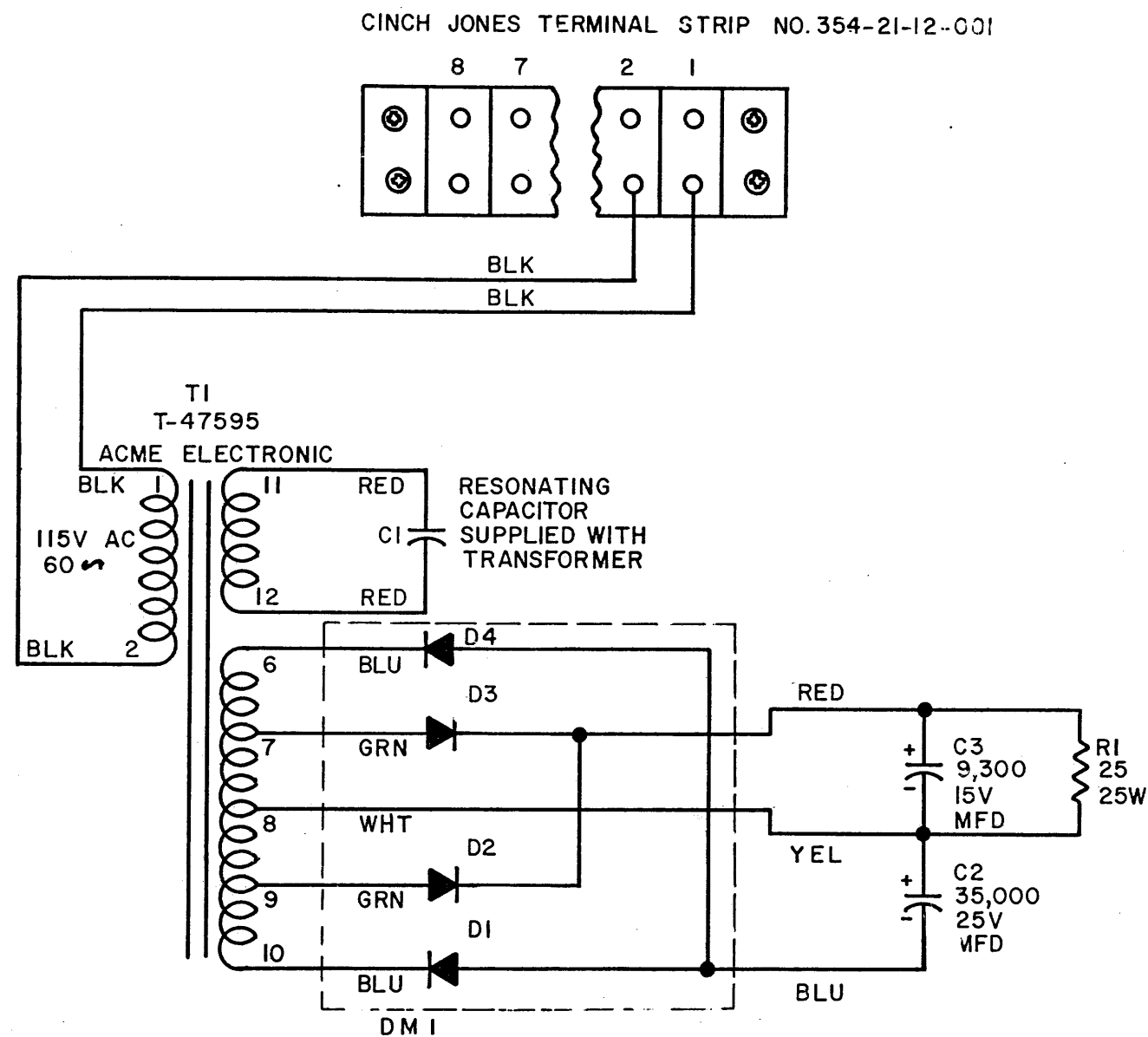
REVISIONS	DATE	BY	CHKD
1	DEC 71	S. CORREY	
2	DEC 71	S. CORREY	

DATE	BY	CHKD
DEC 71	S. CORREY	
DEC 71	S. CORREY	

TRANSISTOR & DIODE CONVERSION CHART	DATE	BY	CHKD
DEC 71	S. CORREY		
DEC 71	S. CORREY		

digital		TITLE	
EQUIPMENT CORPORATION		TU-10 BRAKE ACTUATOR	
DATE	CODE	NUMBER	REV.
D	CS	99341-0-1	B
PRINTED CIRCUIT REV.			

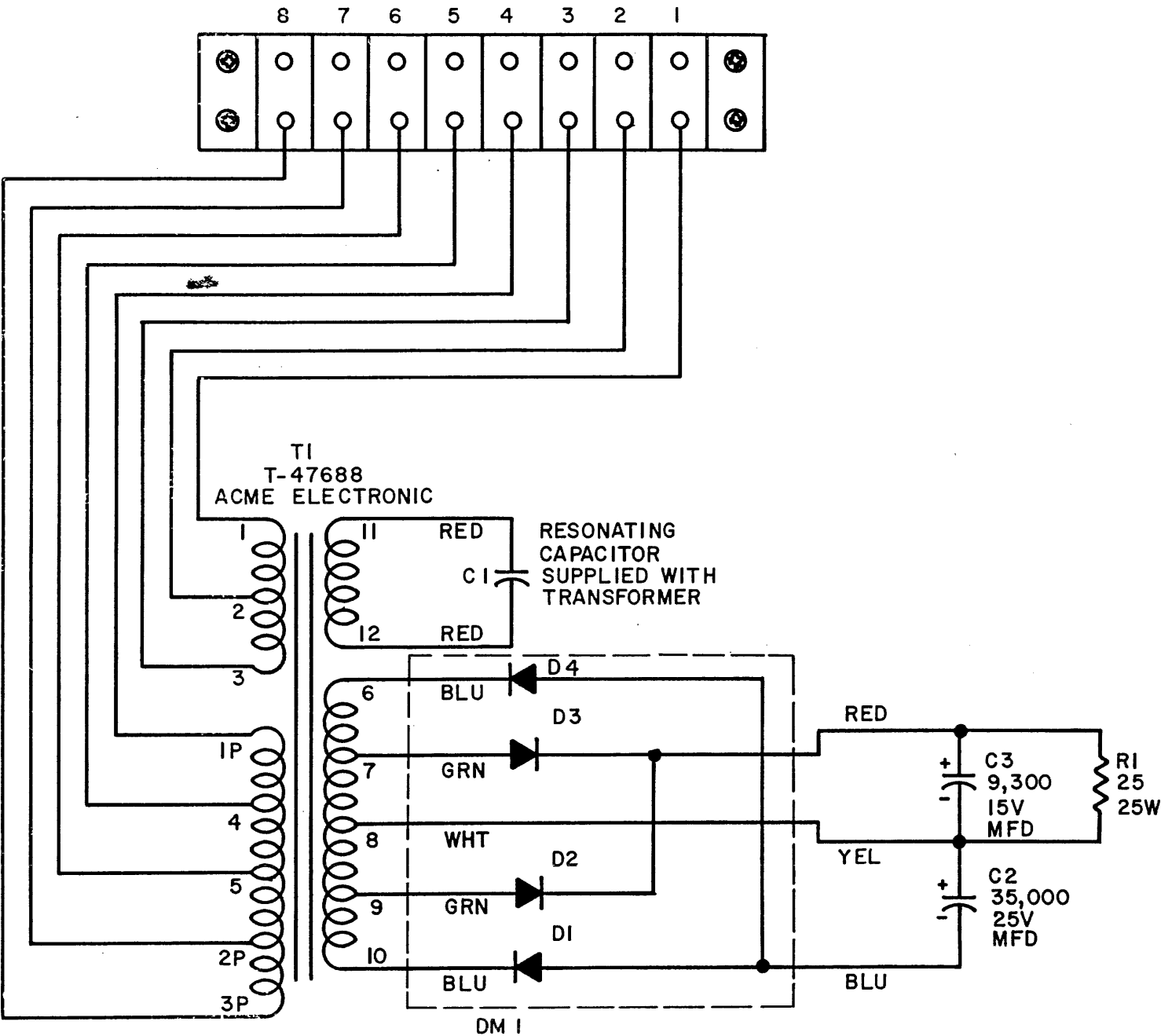
CS-B-H70I-3



			ECO. NO.	4742-1	4784-2	5067-3	DRAFTSMAN H. W. PORTER DATE 1-21-65	CHECKER DATE	digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS	CODE CS	DWG. NO. B-H70I	REV. 3
			ENG.				ENGINEER DATE	PRODUCTION DATE	TITLE POWER SUPPLY H70I			

CS-B-H70IA-3

CINCH JONES TERMINAL STRIP NO.354-21-12-001



CAUTION:
CHECK TRANSFORMER
TAPS BEFORE USING

INPUT VOLTAGE	JUMPER	LINE
112.5 10%	2-4,3-7	3,4
123.5 10%	1-4,3-8	3,4
195 10%	1-5	3,4
220 10%	1-6	3,4
235 10%	2-8	3,4

			ECO. NO.	4741-1	4784-2	5068-3	DRAFTSMAN H. W. PORTER DATE 1-22-65	CHECKER <i>[Signature]</i> DATE	digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS	CODE CS	DWG. NO. B-H70IA	REV. 3
			ENG.	<i>[Signature]</i>			ENGINEER <i>[Signature]</i> DATE	PRODUCTION DATE	TITLE POWER SUPPLY H70IA			

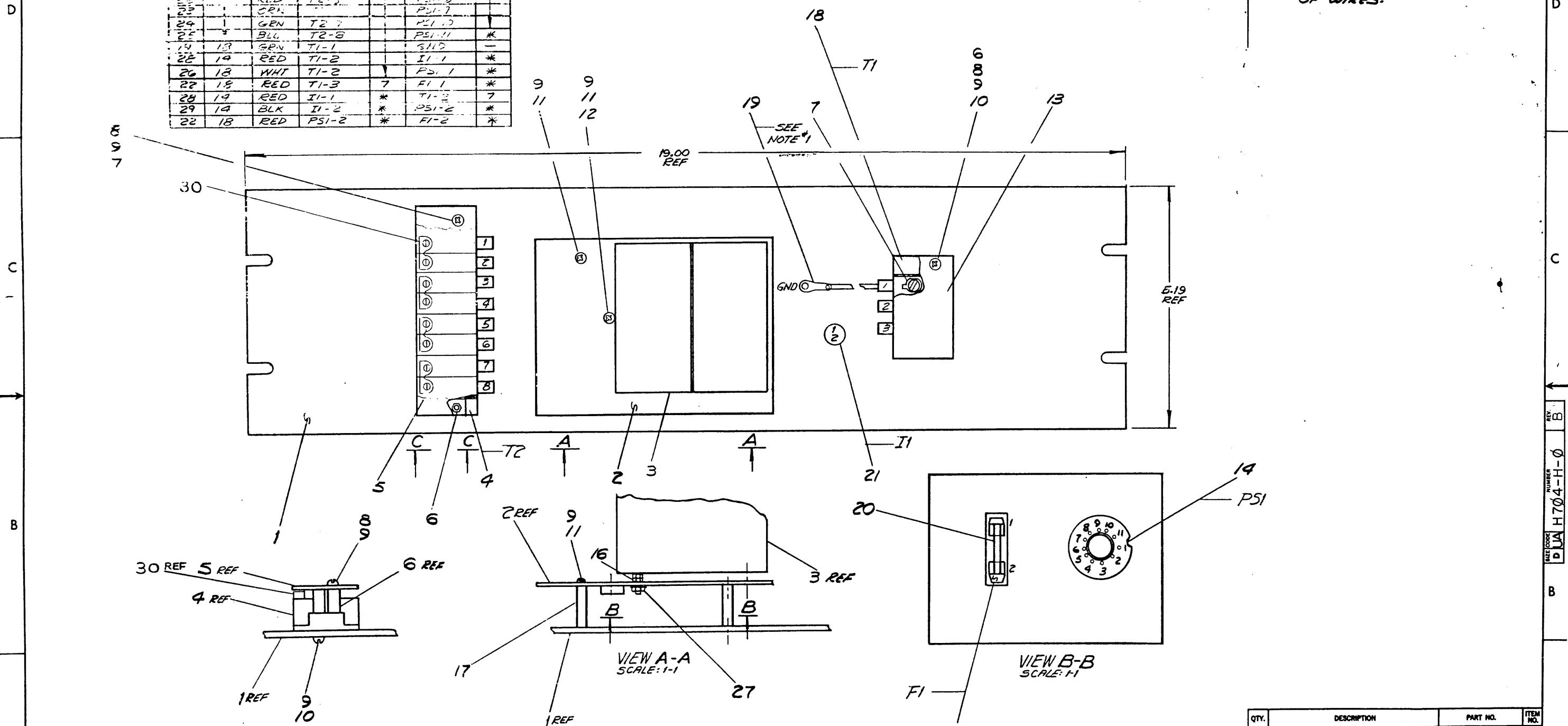
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WIRE TABLE						
ITEM NO	AWG	COLOR	CONNECTION FROM	WITH	CONNECTION TO	WITH
22	18	RED	T2-1	7	PSI-4	*
23	1	CYN	T2-2		PSI-5	*
24	1	GRN	T2-3		PSI-6	*
25	1	BLU	T2-4		PSI-7	*
26	18	RED	T2-5		PSI-8	*
27	18	GRN	T2-6		PSI-9	*
28	18	GRN	T2-7		PSI-10	*
29	18	BLK	T2-8		PSI-11	*
14	18	GRN	T1-1		FI-1	*
28	14	RED	T1-2		FI-1	*
26	18	WHT	T1-2		PSI-1	*
27	18	RED	T1-3	7	FI-1	*
28	14	RED	I1-1	*	T1-2	7
29	14	BLK	I1-2	*	PSI-2	*
22	18	RED	PSI-2	*	FI-2	*

NOTES:

1 ITEM (#24 GRN WIRE TO BE SOLDERED TO ITEM #19) GND LUG, THEN FASTEN ITEM #19) GND LUG BETWEEN ITEM #1) MTG PANEL AND ITEM #17) SPACER.

2 * - INDICATES SOLDERED END OF WIRES.

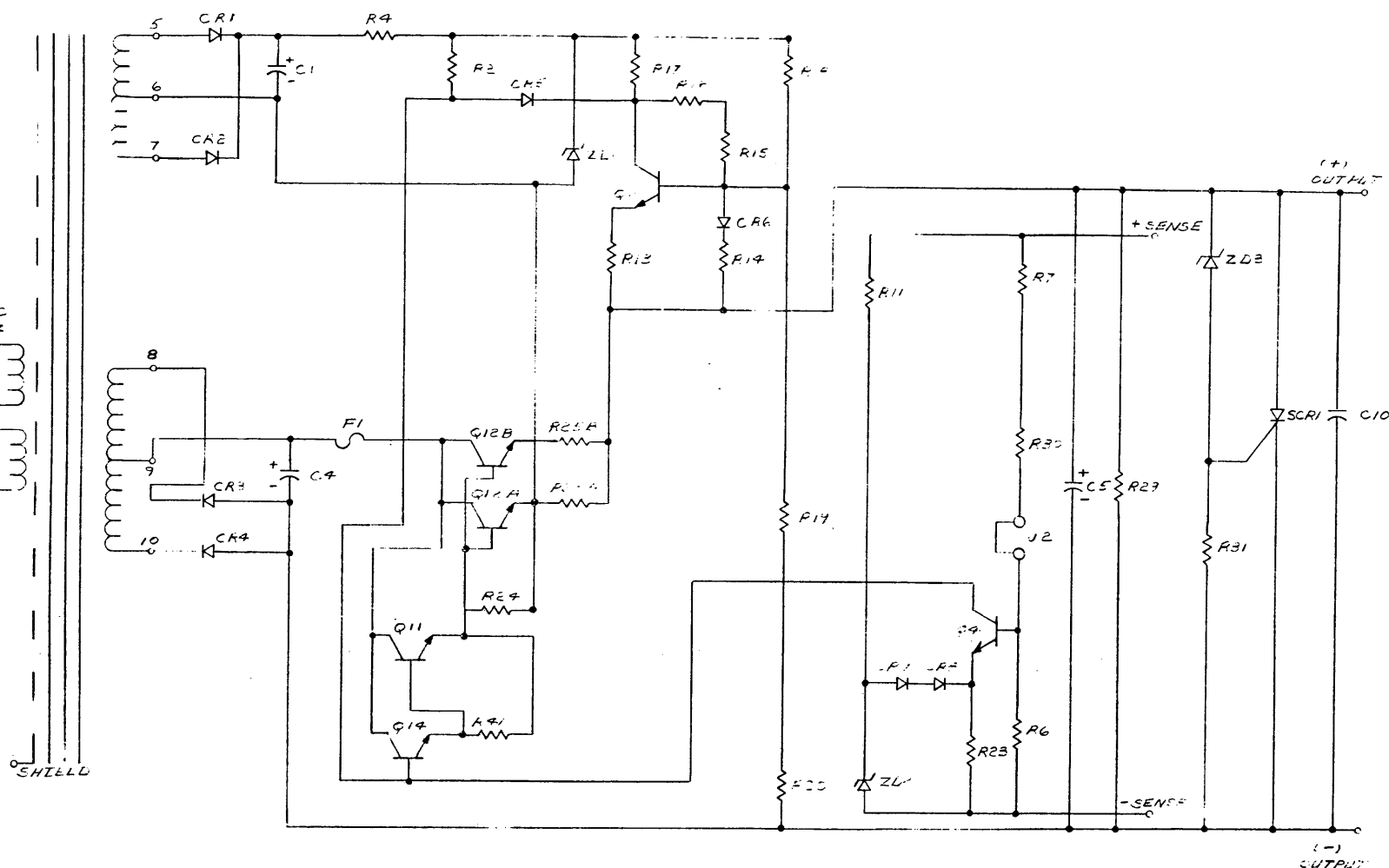


REV.	CHANGE NO.	DATE	BY	CHK
1	1	11-17-72	R GAGNE	
2	2	11-17-72	R GAGNE	
3	3	11-17-72	R GAGNE	
4	4	11-17-72	R GAGNE	
5	5	11-17-72	R GAGNE	
6	6	11-17-72	R GAGNE	
7	7	11-17-72	R GAGNE	
8	8	11-17-72	R GAGNE	
9	9	11-17-72	R GAGNE	
10	10	11-17-72	R GAGNE	
11	11	11-17-72	R GAGNE	
12	12	11-17-72	R GAGNE	
13	13	11-17-72	R GAGNE	
14	14	11-17-72	R GAGNE	
15	15	11-17-72	R GAGNE	
16	16	11-17-72	R GAGNE	
17	17	11-17-72	R GAGNE	
18	18	11-17-72	R GAGNE	
19	19	11-17-72	R GAGNE	
20	20	11-17-72	R GAGNE	
21	21	11-17-72	R GAGNE	
22	22	11-17-72	R GAGNE	
23	23	11-17-72	R GAGNE	
24	24	11-17-72	R GAGNE	
25	25	11-17-72	R GAGNE	
26	26	11-17-72	R GAGNE	
27	27	11-17-72	R GAGNE	
28	28	11-17-72	R GAGNE	
29	29	11-17-72	R GAGNE	
30	30	11-17-72	R GAGNE	

FIRST USED ON OPTION/MODEL AA1-D		DO NOT SCALE DRAWING UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES TOLERANCES DECIMALS FRACTIONS ANGLES ± .005 ± 1/64 ± 9°30' FINAL SURFACE QUALITY REMOVE BURRS AND BREAK SHARP CORNERS		DRN CHK ENG PROG PROD NEXT HIGHER ASSY		DATE DATE DATE DATE DATE DATE		TITLE POWER SUPPLY ASSY (230 VAC)	
SCALE 1/1		SHEET 1 OF 1		DUAL H704-H-01		REV. 1		REV. 1	

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115/250 VAC
47-63 HZ



NOTES:

1. REPRODUCED WITH PERMISSION FROM DYNAGE INC.
2. DRAWING REPRODUCED FROM PRINT NO. 10217 REV C DYNAGE INC.

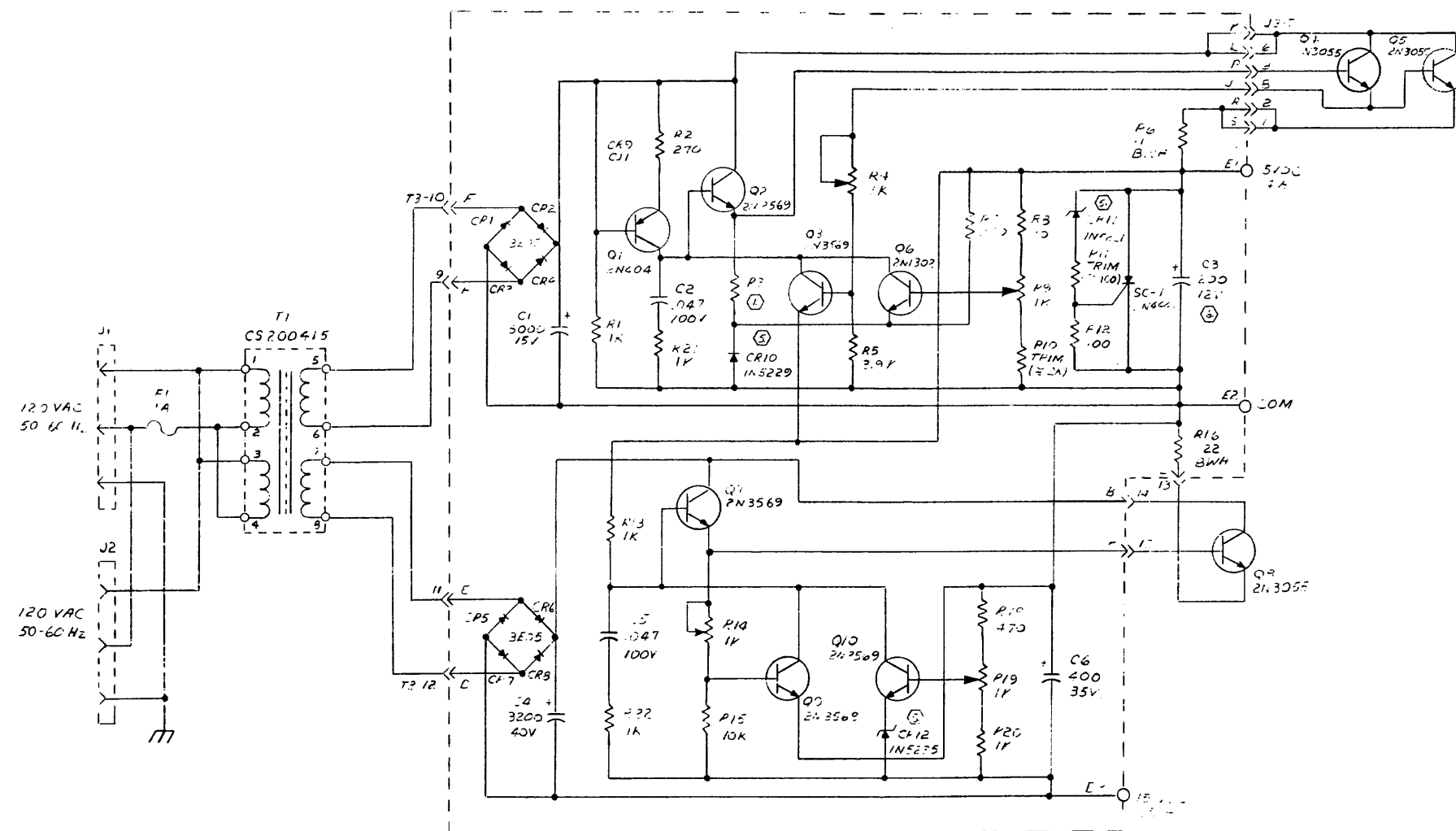
QTY.	DESCRIPTION	PART NO.	ITEM NO.
1	CIRCUIT BOARD (CIRCUIT BOARD)		
1	TRANSFORMER 10.229 (DYNAGE)	TI	
2	TRANSISTOR SILICON 2N3055	Q1, Q2	
1	TRANSISTOR SILICON 2N3055	Q1, Q2	
1	TRANSISTOR SILICON 2N3055	Q1, Q2	
1	TRANSISTOR SILICON 2N3055	Q1, Q2	
1	DIODE ZENER 1N757	CR1, CR2, CR3, CR4	
1	DIODE ZENER 1N757	CR1, CR2, CR3, CR4	
1	DIODE ZENER 1N757	CR1, CR2, CR3, CR4	
1	DIODE ZENER 1N757	CR1, CR2, CR3, CR4	
1	FUSE PIGTAIL 3A 250V	F1	
1	RECTIFIER SCR NUC304 OR 2N1842	SCR1	
2	DIODE SILICON 1N4001	CR1, CR2, CR3, CR4	
6	RECTIFIER SILICON 1N4001	CR1, CR2, CR3, CR4	
1	CAPACITOR TANT. 33 MFD 15VDC	C1	
1	CAPACITOR ELECT. 1000 MFD 15VDC	C2	
1	CAPACITOR ELECT. 33 MFD 15VDC	C3	
1	CAPACITOR ELECT. 33 MFD 15VDC	C4	
1	CAPACITOR ELECT. 33 MFD 15VDC	C5	
1	CAPACITOR ELECT. 33 MFD 15VDC	C6	
1	CAPACITOR ELECT. 33 MFD 15VDC	C7	
1	CAPACITOR ELECT. 33 MFD 15VDC	C8	
1	CAPACITOR ELECT. 33 MFD 15VDC	C9	
1	CAPACITOR ELECT. 33 MFD 15VDC	C10	
1	RESISTOR COMP. 1/4 W. 10% 562	R1	
1	RESISTOR COMP. 1/4 W. 10% 100	R2	
1	RESISTOR COMP. 1/4 W. 10% 100	R3	
1	RESISTOR COMP. 1/4 W. 10% 100	R4	
1	RESISTOR COMP. 1/4 W. 10% 100	R5	
1	RESISTOR COMP. 1/4 W. 10% 100	R6	
1	RESISTOR COMP. 1/4 W. 10% 100	R7	
1	RESISTOR COMP. 1/4 W. 10% 100	R8	
1	RESISTOR COMP. 1/4 W. 10% 100	R9	
1	RESISTOR COMP. 1/4 W. 10% 100	R10	
1	RESISTOR COMP. 1/4 W. 10% 100	R11	
1	RESISTOR COMP. 1/4 W. 10% 100	R12	
1	RESISTOR COMP. 1/4 W. 10% 100	R13	
1	RESISTOR COMP. 1/4 W. 10% 100	R14	
1	RESISTOR COMP. 1/4 W. 10% 100	R15	
1	RESISTOR COMP. 1/4 W. 10% 100	R16	
1	RESISTOR COMP. 1/4 W. 10% 100	R17	
1	RESISTOR COMP. 1/4 W. 10% 100	R18	
1	RESISTOR COMP. 1/4 W. 10% 100	R19	
1	RESISTOR COMP. 1/4 W. 10% 100	R20	
1	RESISTOR COMP. 1/4 W. 10% 100	R21	
1	RESISTOR COMP. 1/4 W. 10% 100	R22	
1	RESISTOR COMP. 1/4 W. 10% 100	R23	
1	RESISTOR COMP. 1/4 W. 10% 100	R24	
1	RESISTOR COMP. 1/4 W. 10% 100	R25	
1	RESISTOR COMP. 1/4 W. 10% 100	R26	
1	RESISTOR COMP. 1/4 W. 10% 100	R27	
1	RESISTOR COMP. 1/4 W. 10% 100	R28	
1	RESISTOR COMP. 1/4 W. 10% 100	R29	
1	RESISTOR COMP. 1/4 W. 10% 100	R30	
1	RESISTOR COMP. 1/4 W. 10% 100	R31	
1	RESISTOR COMP. 1/4 W. 10% 100	R32	
1	RESISTOR COMP. 1/4 W. 10% 100	R33	
1	RESISTOR COMP. 1/4 W. 10% 100	R34	
1	RESISTOR COMP. 1/4 W. 10% 100	R35	
1	RESISTOR COMP. 1/4 W. 10% 100	R36	
1	RESISTOR COMP. 1/4 W. 10% 100	R37	
1	RESISTOR COMP. 1/4 W. 10% 100	R38	
1	RESISTOR COMP. 1/4 W. 10% 100	R39	
1	RESISTOR COMP. 1/4 W. 10% 100	R40	
1	RESISTOR COMP. 1/4 W. 10% 100	R41	
1	RESISTOR COMP. 1/4 W. 10% 100	R42	
1	RESISTOR COMP. 1/4 W. 10% 100	R43	
1	RESISTOR COMP. 1/4 W. 10% 100	R44	
1	RESISTOR COMP. 1/4 W. 10% 100	R45	
1	RESISTOR COMP. 1/4 W. 10% 100	R46	
1	RESISTOR COMP. 1/4 W. 10% 100	R47	
1	RESISTOR COMP. 1/4 W. 10% 100	R48	
1	RESISTOR COMP. 1/4 W. 10% 100	R49	
1	RESISTOR COMP. 1/4 W. 10% 100	R50	

FIRST USED ON OPTION/MODEL	QTY.	DESCRIPTION	PART NO.	ITEM NO.
PARTS LIST				
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES TOLERANCES	DRN. DATE	CHK'D. DATE	DATE	DATE
DECIMALS	ANGLES	ENG. DATE	DATE	DATE
.XXX - .006	± 0° 30'	PROJ. ENG. DATE	DATE	DATE
.XX - .02		PROD. DATE	DATE	DATE
.X - .1				
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY	NEXT HIGHER ASSY.			
MATERIAL	SCALE			
FINISH	SHEET OF			
TITLE		H710 POWER SUPPLY		
SIZE CODE		NUMBER		
DSC		H710-0-1		
REV.		REV.		

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NOTES:

1. R3 IS A TRIM VALUE RESISTOR WITH AN HI-POCK VALUE OF "OPEN".
2. ALL RESISTANCE VALUES ARE EXPRESSED IN OHMS.
3. ALL RESISTORS ARE FIXED. COMPOSITION 1/2 W, ± 10%.
4. ALL CAPACITOR VALUES ARE EXPRESSED IN MICROFARADS.
5. CR10 MAY BE MOTOROLA NO. SZ13477-2
CR11 MAY BE MOTOROLA NO. SZ13477-4
CR12 MAY BE MOTOROLA NO. SZ13477-5
6. CAPACITORS C3 MAY BE TANTALUM 47UF, 6.3V
7. RESISTANCE VALUE FOR R10 & R11 MAY BE CHANGED DURING FINAL TEST.



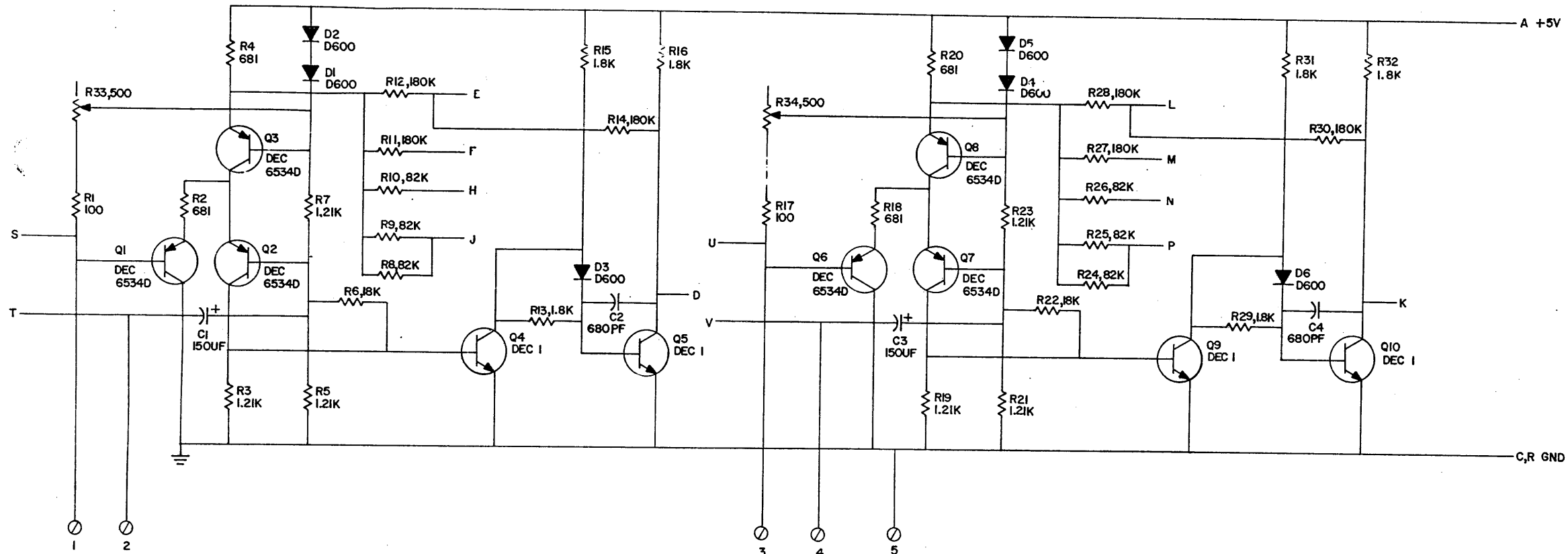
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CONTENTS TAKEN FROM TWO SERIES 2004 REV D

FIRST USED ON OPTION/MODEL		QTY.	DESCRIPTION	PART NO.	ITEM NO.
PARTS LIST					
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES TOLERANCES		DRN.	DATE	digital EQUIPMENT CORPORATION NATURAL MASSACHUSETTS	
DECIMALS		CHK'D.	DATE		
.XXX ± .005	ANGLES	ENG.	DATE	TITLE H-716P.S.	
.XX ± .02	± 0° 30'	PROJ. ENG.	DATE		
.X ± .1		PROD.	DATE	SIZE CODE NUMBER REV. D C S 3009282-0-0 C	
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY					
MATERIAL		NEXT HIGHER ASSY.			
FINISH		SCALE NONE			
		SHEET OF			

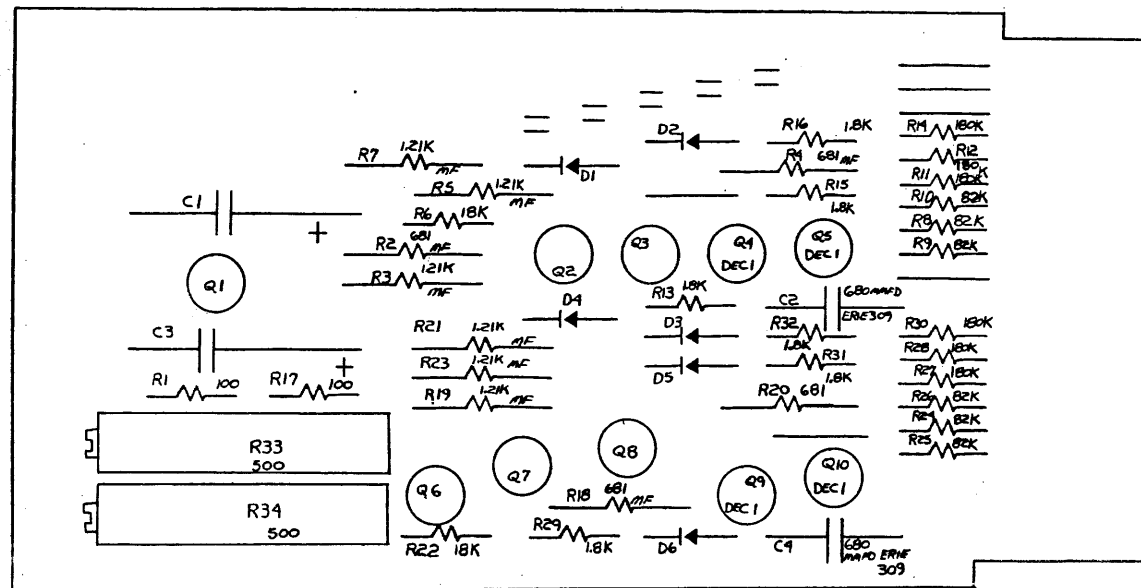
REVISIONS	CHANGE NO.	REV.
CHK	3009282-0-0001	C
REDRAWN & REVISED		

DWG FORM NO 1307 100-A

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NOTE:
USES ETCH OF K522



1		HANDLE FLIP CHIP BLACK	9008337-07	20
5		SPLIT LOGS	9007268	19
2		EYELETS #934-7 E.B. STIMPSON	9006732	19
4	Q4, Q5, Q9, Q10	TRANSISTOR DEC1	1505369	17
6	Q1-Q3, Q6-Q8	TRANSISTOR DEC6534D	1503409	16
2	R33, R34	RES. 500 TRIMPOT	1305631	15
4	R2, R4, R18, R20	RES. 681 1/8W 1% 100MFP	1302872	14
6	R3, R5, R7, R19, R21, R23	RES. 1.21K 1/8W 1% 100MFP	1302871	13
6	R11, R12, R14, R27, R28, R30	RES. 180K 1/4W 10%	1301431	12
6	R13, R15, R16, R29, R31, R32	RES. 1.8K 1/4W 10%	1301428	11
6	R8-R10, R24-R26	RES. 82K 1/4W 10%	1300529	10
2	R6, R22	RES. 18K 1/4W 10%	1300498	9
2	R1, R17	RES. 100 1/4W 10%	1300231	8
6	D1-D6	DIODE D600	1105366	7
2	C4, C4	CAP. 680 PF 500V 10% CERAM	1005786	6
2	C1, C3	CAP. 150 MFD 6V 20% TANT.	1005572	5
1		ETCHED CIRCUIT BOARD	5008138	4
		MODULE ECO HISTORY	B-MH-K522-YA-6	3
		ASSY/DRILLING HOLE LAYOUT	C-AH-K522-YA-5	2
		X-Y COORDINATE HOLE LOCATION	K-CO-K522-YA-4	1
QTY	REF. DESIGNATION	PARTS LIST	DEC. PART NO.	100

DEC	EIA		DEC	EIA
D800	IN4009			
DEC 1	2N5721			
DEC65340	MPS6534			

digital
EQUIPMENT
CORPORATION
MAYNARD, MASSACHUSETTS

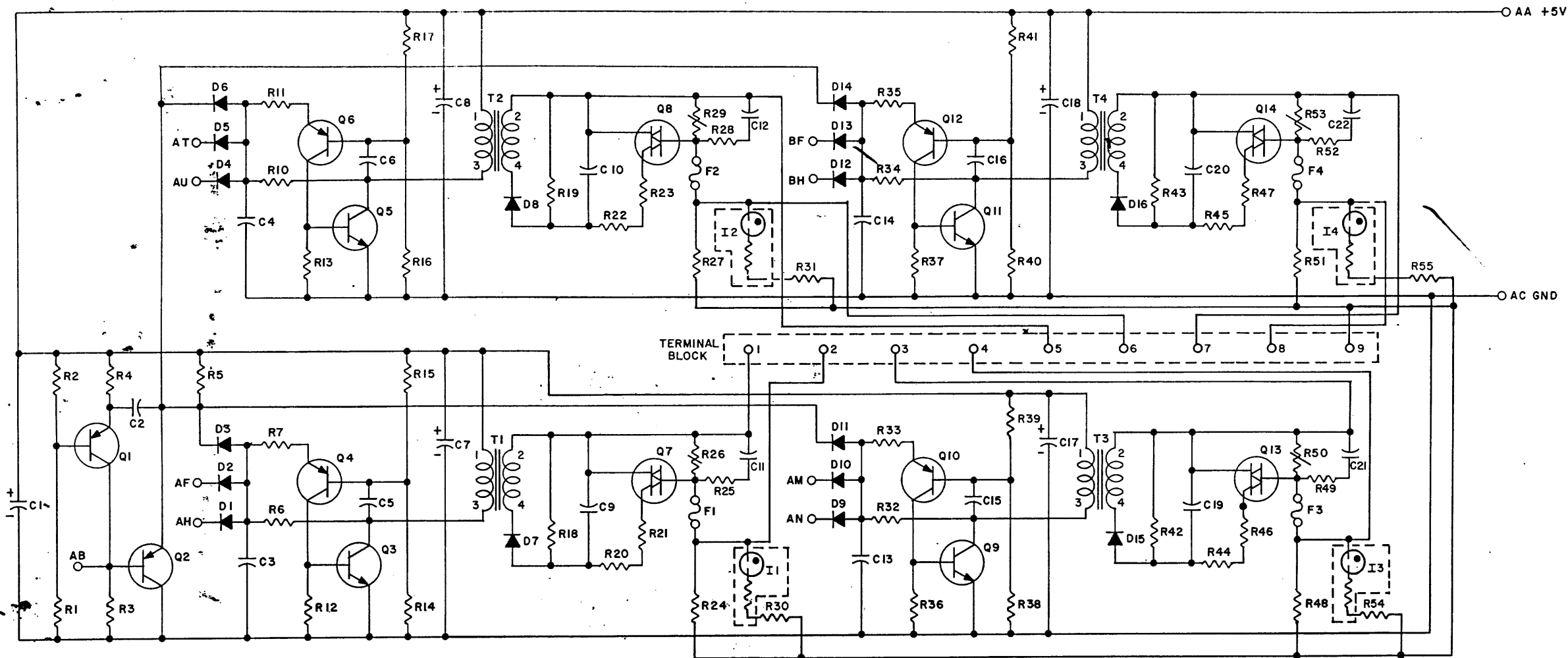
TITLE									
COMPARATOR									
SIZE		CODE		NUMBER				REV.	
C		CS		K522-YA-1					
PRINTED CIRCUIT REV.					A				

REVISIONS	CHK	CHG NO.	REV.

DEC FORM NO.
DRC 102

DRN 3.1. <i>Maile</i>	DATE 7/2/71
CHK'D <i>NANCY Hix</i>	DATE 9-4-71
ENG <i>J. J. New</i>	DATE 5-28-71
PROD.	DATE

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R3	RES 560 Ω 1/4W 5%	1301890
R5	RES 220 Ω 1/4W 5%	1300271
C2	.022 MFD 100V 10%	1010780
T1-T4	TRANSFORMER	1609751
TERMINAL BLOCK	BLOCK, 9 TERMINAL 699-Z-3701-9	1209083
F1-F4	FUSE, PICO 5A #276005	1209070
Q7, Q8, Q13, Q14	TRIAC RCA 40430	1505564
Q3, Q5, Q9, Q11	TRANSISTOR DEC1008-S	1502155
Q1, Q2, Q4, Q6, Q10, Q12	TRANSISTOR DEC6534D	1503409
R30, R31, R54, R55	RES. 15K 1/4W 10% CC	1300494
R26, R29, R50, R53	VARISTOR 333 BNR-7	1305571
R24, R27, R48, R51	RES. 10K 2W 10% CC	1300482
R44-R47, R49, R52	RES. 10 1/4W 10% CC	1300170
R7, R11, R20-R23, R25, R28, R33, R35, R36, R41	RES. 4.7K 1/4W 10% CC	1300448
R19, R32, R34, R36, R37, R42, R43, R4	RES. 1.2K 1/4W 10% CC	1300386
R1, R2, R3, R6, R8, R9, R10, R12, R13, R18	RES. 1.2K 1/4W 10% CC	1300386
D7, D8, D15, D16	DIODE D672	1105275
D1-D6, D9-D14	DIODE D600	1105366
C11, C12, C21, C22	CAP. .047MFD 400V 20%	1009656
C7, C8, C17, C18	CAP. 2.2MFD 20V 10%	1002627
C5, C6, C15, C16	CAP. 100MMF 100V 5% DM	1000016
C3, C4, C13, C14	CAP. 680MMF 500V 10% CER.	1005726
C9, C10, C19, C20	CAP. .047MFD 250V 20%	1003053
C1	CAP. 22MFD 6V 10% TANT	1005636
PARTS LIST		A-PL-K614-O-0
REFERENCE DESIGNATION		DESCRIPTION
PARTS LIST		PART NO.

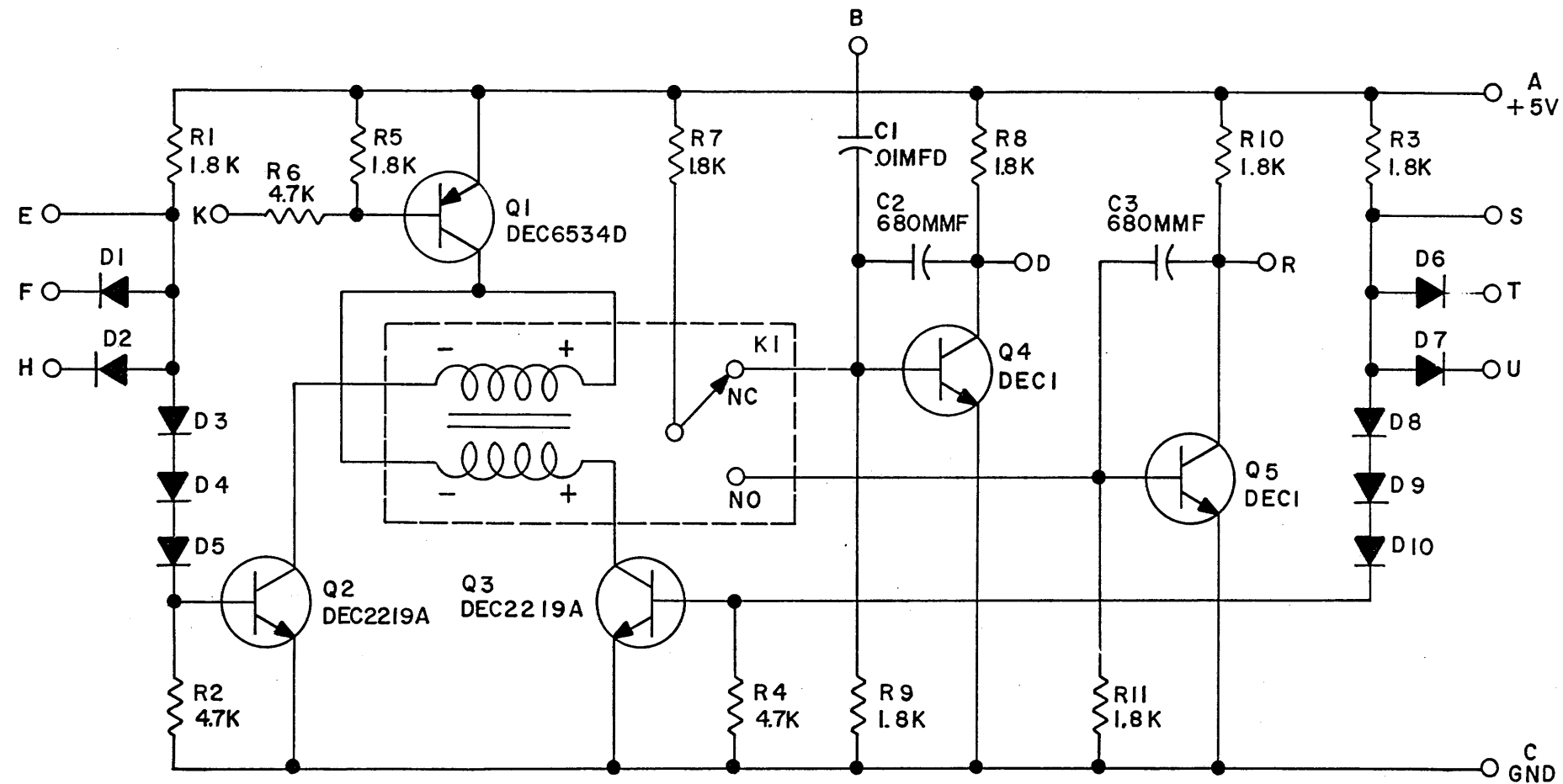
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			00003	B
			00004	C
			00006	E
			00007	F
			00008	H
P. J. Walker - 2-2-78		V. BOLEN		
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J. BOLEN				

DRN.	DATE	1-2-69
CHK'D	DATE	3/12/69
ENG.	DATE	4/1/69
PROD.	DATE	

TRANSISTOR & DIODE CONVERSION CHART	
DEC	EIA
D600	IN4009
D672	IN3653
DEC6534D	MPS6534
DEC1008	MM1008

digital			TITLE		ISOLATED AC SWITCH K614		
EQUIPMENT CORPORATION			SIZE	CODE	NUMBER	REV	
MAYNARD, MASSACHUSETTS			C	CS	K614-0-1	J	
PRINTED CIRCUIT REV.				D			

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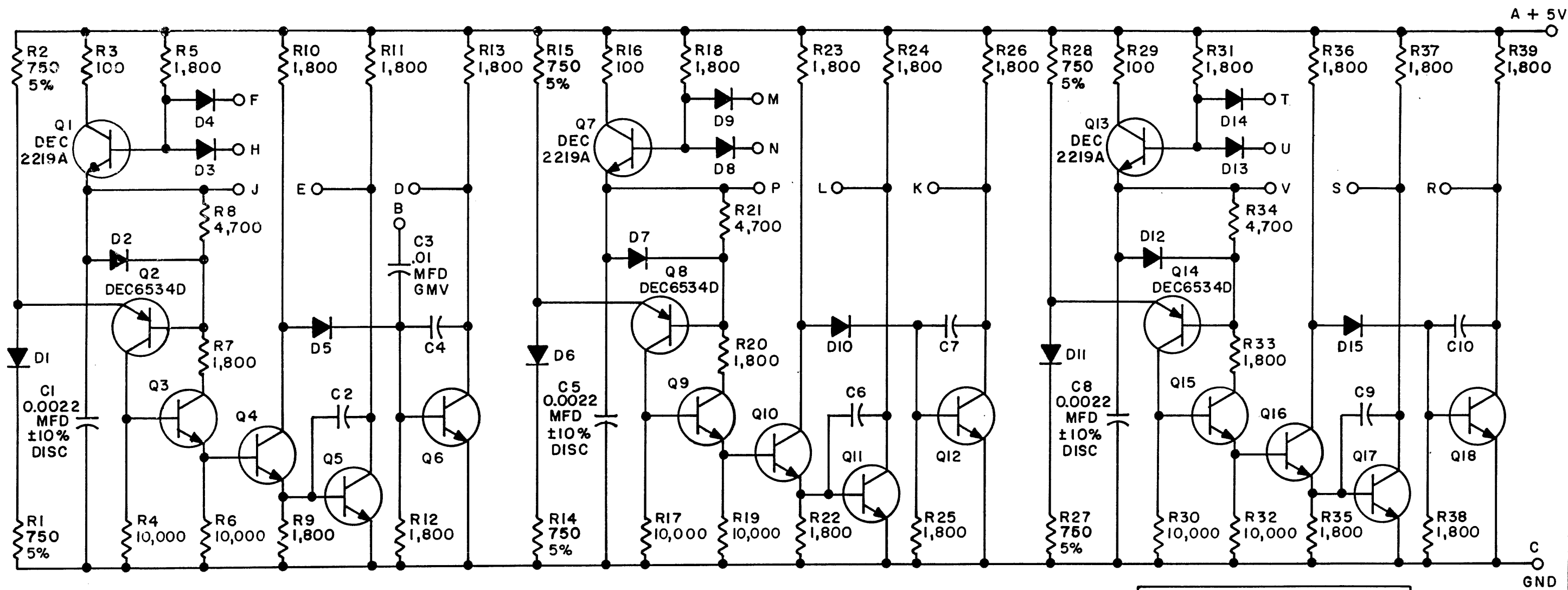


UNLESS OTHERWISE INDICATED:
DIODES ARE D600
RESISTORS ARE 1/4 W 10%
RELAY IS MERCURY HGSM5020

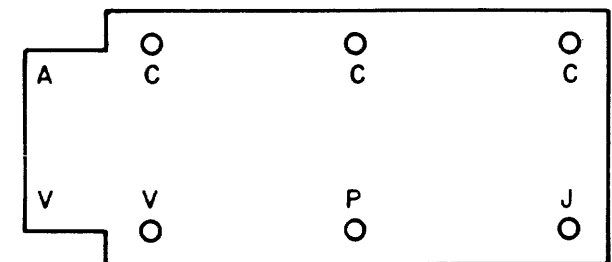
REVISIONS		DRN. <i>2/2/69</i>	DATE <i>5-10-69</i>	TRANSISTOR & DIODE CONVERSION CHART		digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS	TITLE SET-RESET MEMORY K271						
CHK	CHG NO.	REV	CHK'D	DATE	DEC		EIA	DEC	EIA	SIZE	CODE	NUMBER	REV.
	00001			<i>3-11-69</i>	D600		IN4009			B	CS	K271-0-1	B
			ENG. <i>4-1-69</i>	DATE	DEC2219A		2N2219						
			PROD.	DATE	DEC1		2N3721						

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



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

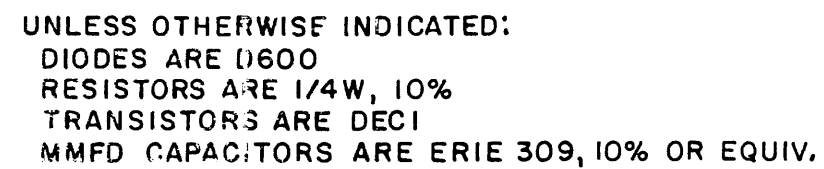


VIEWED FROM ETCHED SIDE

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

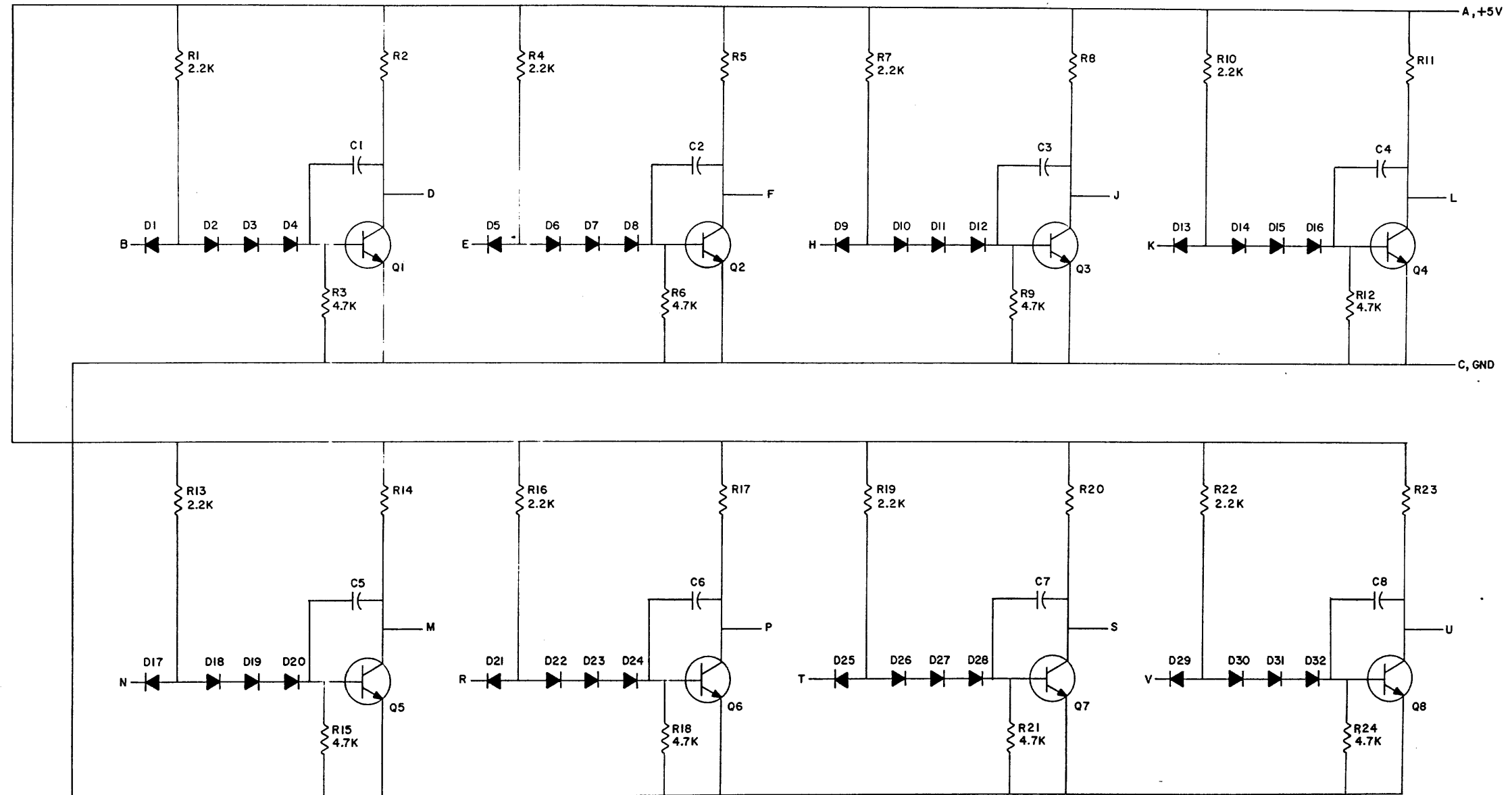
REVISIONS				DRN.		DATE		TRANSISTOR & DIODE CONVERSION CHART				TITLE	
CHK	CHG	NO.	REV.	M. Haller		4-18-67		DEC	EIA	DEC	EIA	THREE TIMERS K303	
6	4	3	7	CHK'D		DATE		DEC	EIA	DEC	EIA	SIZE	CODE
0	0	0	0	ENG.		DATE		DEC	EIA	DEC	EIA	B	CS
0	0	0	0	PROD.		DATE		DEC	EIA	DEC	EIA	NUMBER	
								DEC	EIA	DEC	EIA	K303-0-1	
								DEC	EIA	DEC	EIA	PRINTED CIRCUIT REV.	REV.
								DEC	EIA	DEC	EIA	B	C

SIZE	CODE	NUMBER	REV.
------	------	--------	------



DEC FORM NO.
DRB 102

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UNLESS OTHERWISE INDICATED:
RESISTORS ARE 1.8K, 1/4W, 10%
CAPACITORS ARE 270pf, 100V, 5%
DIODES ARE D600
TRANSISTORS ARE DEC6531

REVISIONS
CHK'D
DATE

DEC FORM NO.
DRC 1-72

DATE
7-1-70
DATE
7-1-70
DATE
7-1-70
DATE
7-1-70

TRANSISTOR & DIODE CONVERSION CHART

DEC	EIA	DEC	EIA
D600	IN4009		
DEC6531	MPS6531		

digital
EQUIPMENT
CORPORATION
MAYNARD, MASSACHUSETTS

TITLE EIGHT INVERTERS

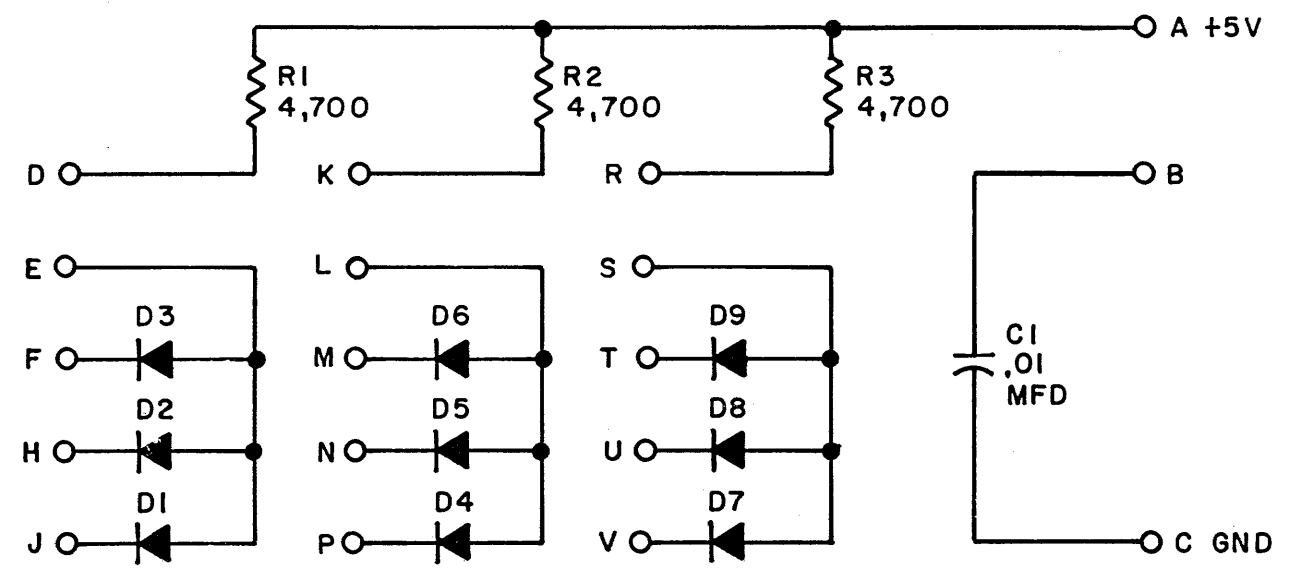
K138

SIZE CODE NUMBER
C CS K138-0-1

PRINTED CIRCUIT REV.

REV. A

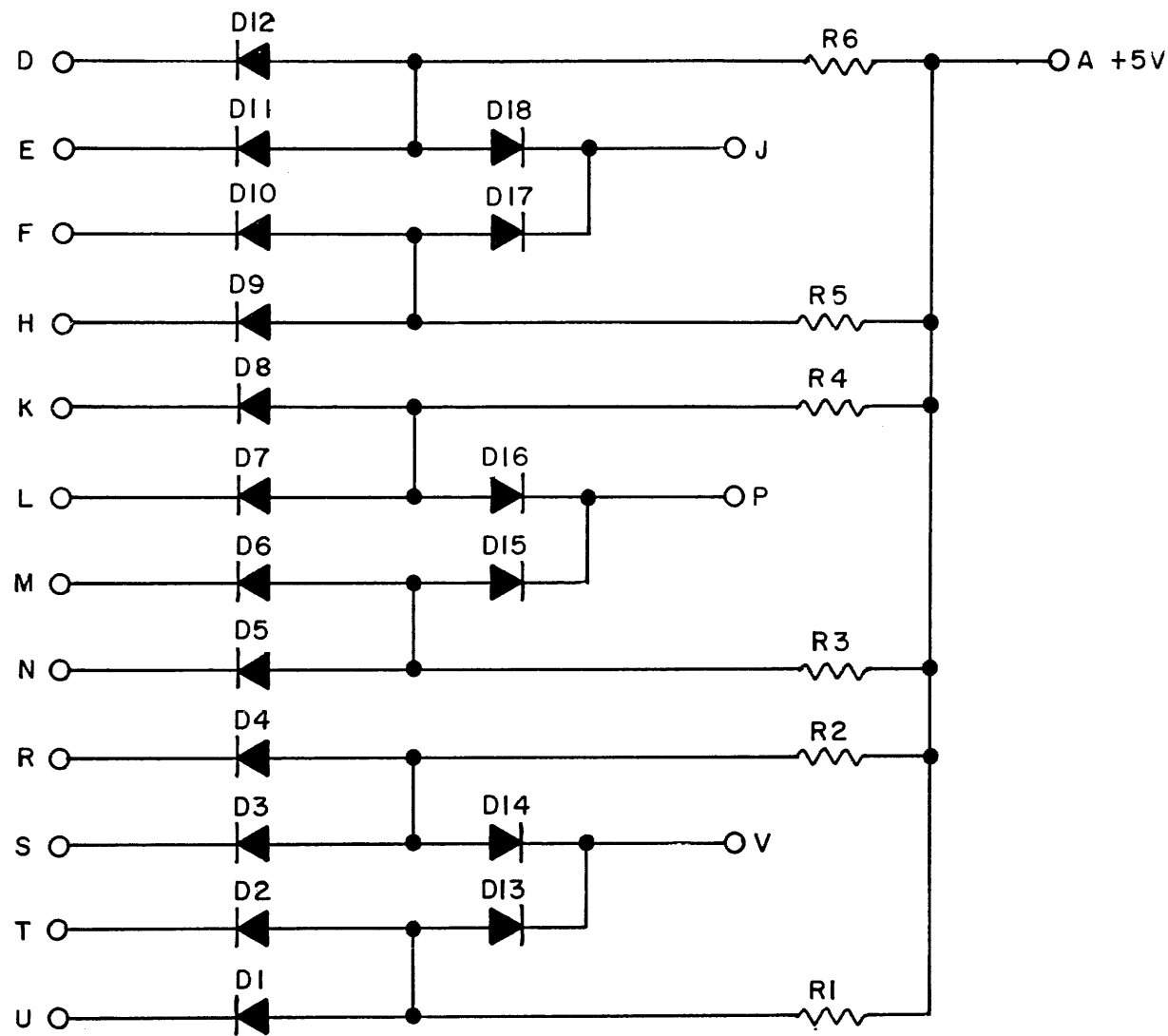
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UNLESS OTHERWISE INDICATED:
DIODES ARE D600
RESISTORS ARE 1/4W, 10%

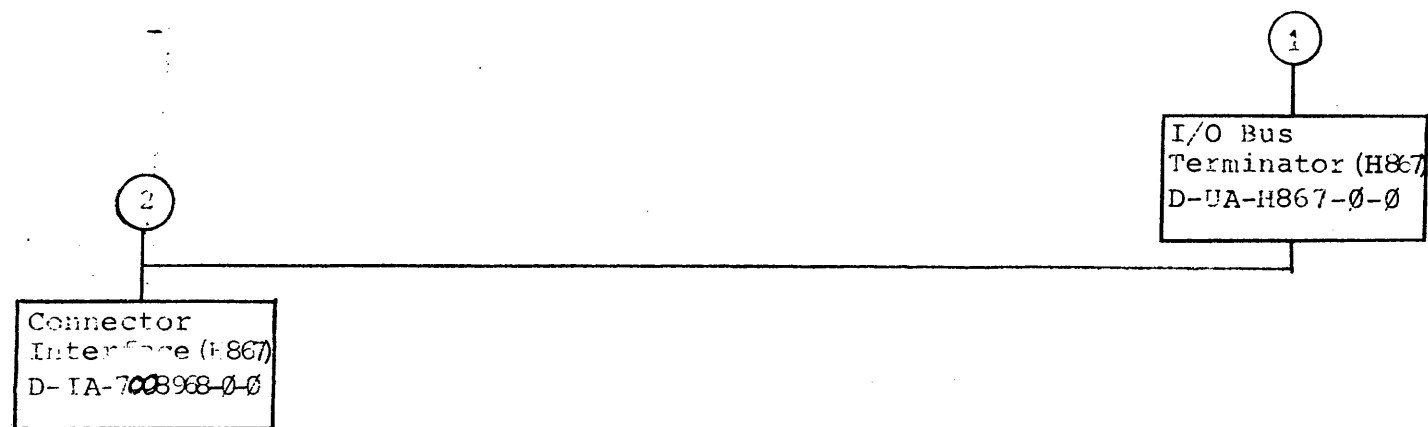
REVISIONS	CHK	CHG NO.	REV.	DRN.	DATE	TRANSISTOR & DIODE CONVERSION CHART				digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS	TITLE GATE EXPANDER K003			
				CHK'D	DATE	DEC	EIA	DEC	EIA		SIZE	CODE	NUMBER	REV.
				ENG.	DATE	D600	IN4009				B	CS	K003-0-1	
				PROD.	DATE									

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R1 - R6	RES. 4.7 K 1/4W 10% CC	I300448
D1 - D18	DIODE D600	I105366
	PARTS LIST	A-PL-K026-0-0
REFERENCE DESIGNATION	DESCRIPTION	PART NO.

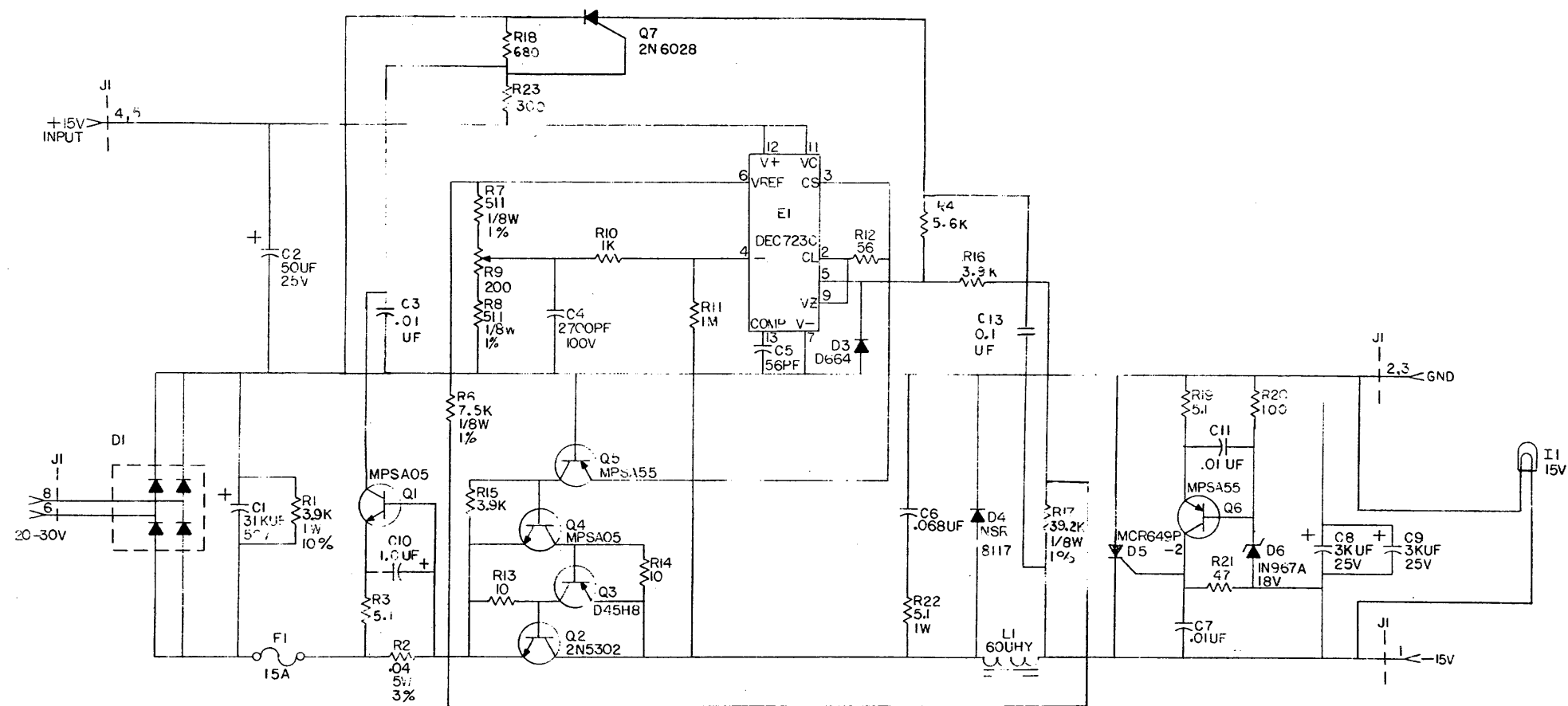
REVISIONS	CHK	CHG NO.	REV.	DRN.	DATE	TRANSISTOR & DIODE CONVERSION CHART		digital	TITLE			
				M. Walker	5-2-68	DEC	EIA		GATE EXPANDER K026			
				CHK'D		D600	IN4009		SIZE	CODE	NUMBER	REV.
				ENG.	5/1/68				B	CS	K026-0-1	
				PROD.				EQUIPMENT CORPORATION		PRINTED CIRCUIT REV.		
								MAYNARD, MASSACHUSETTS		A		



TITLE		SIZE		CODE	NUMBER	REV
I/O Bus Terminator (H867)		SHEET 2 OF 3		B DD	H867-0	

[illegible]

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UNLESS OTHERWISE INDICATE:

RESISTORS = 1/4W, 5%

QTY	REF DESIGNATION	DESCRIPTION	PART NO.	ITEM NO.
PARTS LIST				
ETCH BOARD REV	E			
D664	IN 3606	D45H 8		
NSR 8117		2N 6028		
MCR 649P - 2				
IN 967A	SAME			
2N 5302				
MPS A05				
MPS A55				
DEC NO.	EIA NO.	DEC NO.	EIA NO.	
SEMICONDUCTOR CONVERSION CHART				
DRN	DATE	DATE	DATE	DATE
CHK'D	DATE	DATE	DATE	DATE
ENG'D	DATE	DATE	DATE	DATE
PROJ. ENG.	DATE	DATE	DATE	DATE
PROD.	DATE	DATE	DATE	DATE
NEXT HIGHER ASSY				
SCALE				
SHEET	OF	DIST.		

digital EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS

-15V REG.

SIZE CODE DCS NUMBER H745-0-1

SIZE CODE DCS NUMBER H745-0-1

B

A

211

THIS IS PRINT SET

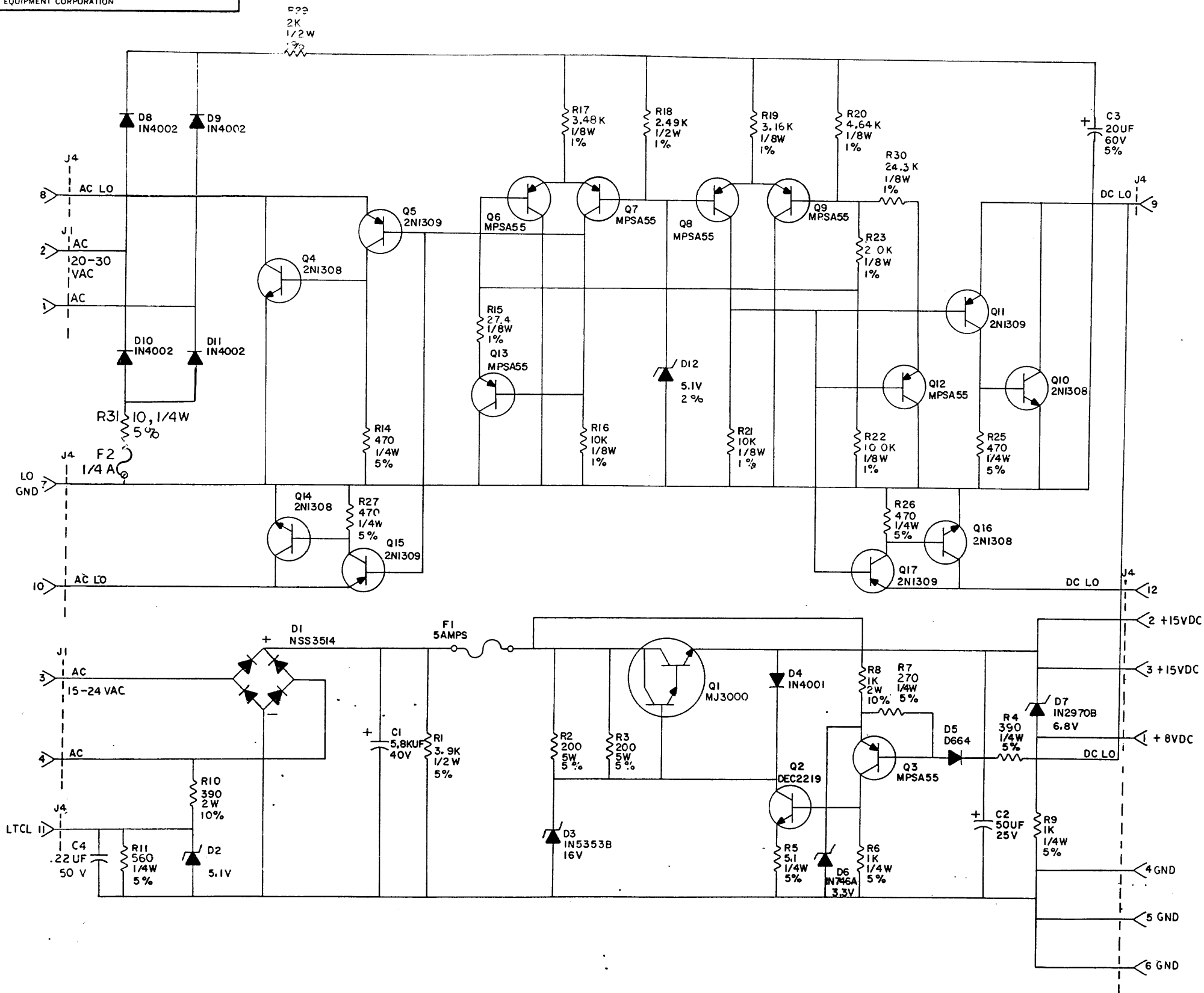
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SEQUENCE		SEQUENCE	
		MFG.	SET
Drawing Directory	B-DD-H867-0		
I/O Bus Terminator	D-UA-H867-0-0		
Connector Interface	C-IA-7008968-0-0	I/O Bus Terminator	D-UA-H867-0-0
I/O Bus Terminator #1	D-CS-G7003-0-1	Connector Interface	C-IA-7008968-0-0
I/O Bus Terminator #2	D-CS-G7004-0-1	I/O Bus Term, Tester	B-CS-H867-0-0
I/O Bus Terminator #3	D-CS-G7005-0-1	I/O Bus Term, Test Proc	B-SP-H867-0-0
I/O Bus Terminator #4	D-CS-G7006-0-1		

[illegible]

REVISIONS		USED ON OPTION/MODEL		DRN.	DATE	TITLE	
DATE	CHG. NO.	REV					
			PDP-10	B. Hovey	5/25/72	I/O Bus Terminator	
				CHK'D.	DATE	(H867)	
				D. Healy	5/31/72		
				PROJ ENG.	DATE		
				<i>W. Kent</i>	<i>2 Jun 72</i>		
				PROD	DATE		
				<i>W. Kent</i>	<i>6-5-72</i>		
				FIELD SERV.	DATE		
				<i>J. K. Plummer</i>	<i>2/5/72</i>		
				SHEET	1 OF 3		

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REVISIONS		
CHK	CHG NO.	REV.
✓	00001	C
O.B. 7-14-72		

DEC FORM NO
DRC 102

DRN. S. COOPER	DATE 2/24/72
CHK'D S. Porter	DATE 3-1-72
ENG. S. Porter	DATE 3-1-72
PROD. S. Porter	DATE 3-1-72

TRANSISTOR & DIODE CONVERSION CHART			
2N2219	2N2219	IN5231	
2N1308	SAME	IN5353B	
MPA555		IN751A	SAME
MJ3000		IN4001	SAME
2N1309	SAME	IN2970B	
IN4002		IN746A	
D664	IN3606		

digital
EQUIPMENT
CORPORATION
MAYNARD, MASSACHUSETTS

TITLE
POWER CONTROL BD.

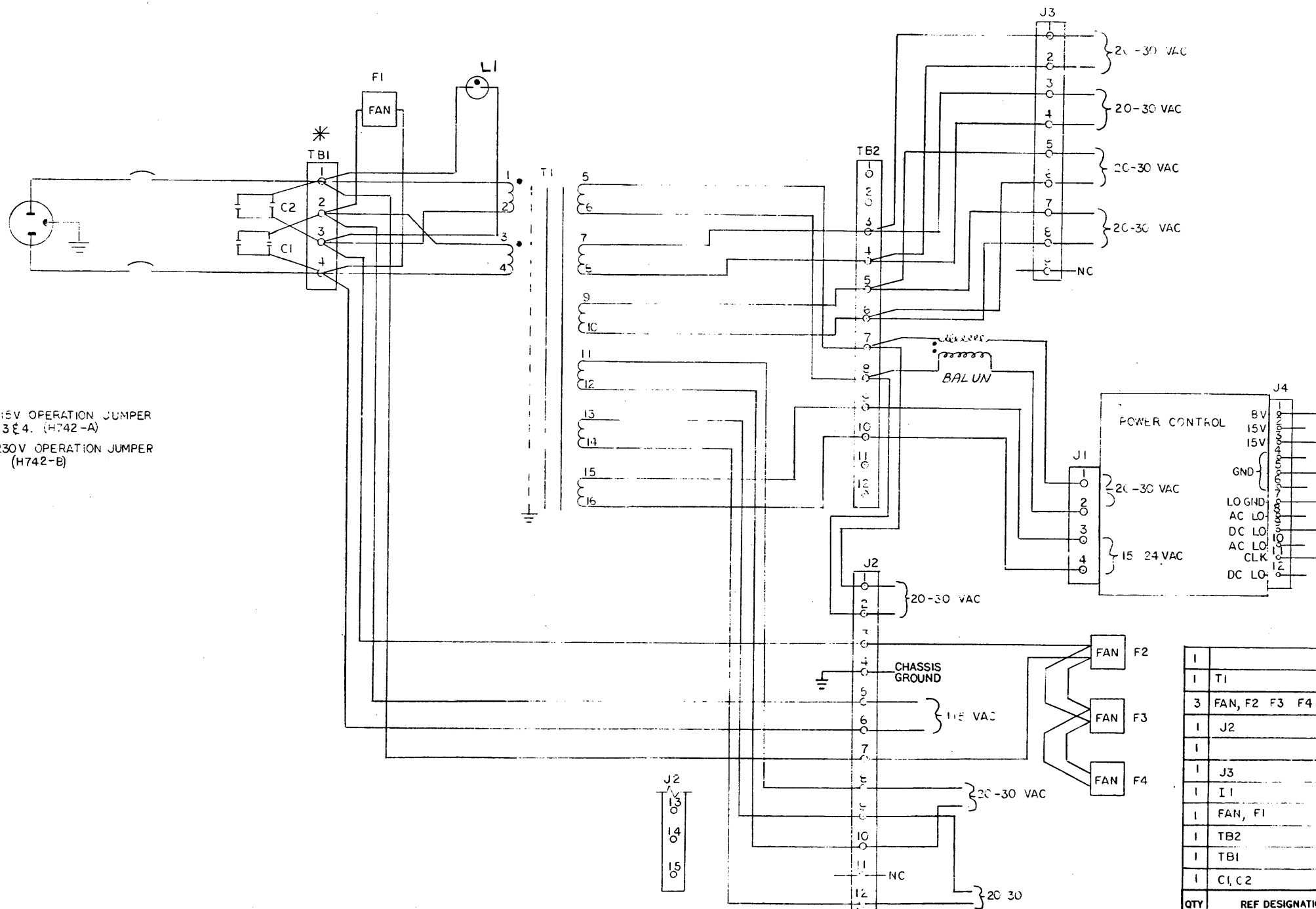
SIZE C	CODE CS	NUMBER 5409730-0-1	REV F
PRINTED CIRCUIT REV.		E	

SIZE	CODE	NUMBER	REV.
C	CS	5409730-0-1	B

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NOTE

- * FOR 115V OPERATION JUMPER 1&2, 3&4. (H742-A)
- FOR 230V OPERATION JUMPER 2&3. (H742-B)



QTY	REF DESIGNATION	DESCRIPTION	PART NO.	ITEM NO.
1	POWER CONTROL		5409730	II
1	TI	XMFR	1610857	10
3	FAN, F2 F3 F4	FAN SUPER BOXER	1209403-1	9
1	J2	MATE-N-LOCK	1209350-15	8
1		BALUN ASSY	1611444	7
1	J3	MATE-N-LOCK	1209350-9	6
1	LI	LIGHT PILOT	1201280	5
1	FAN, F1	FAN PEWEE	1210719	4
1	TB2	JONES STRIP	9006917	3
1	TB1	JONES STRIP	9006902	2
1	C1, C2	CAPACITOR 2 X 1UF 1000V	1010193	1

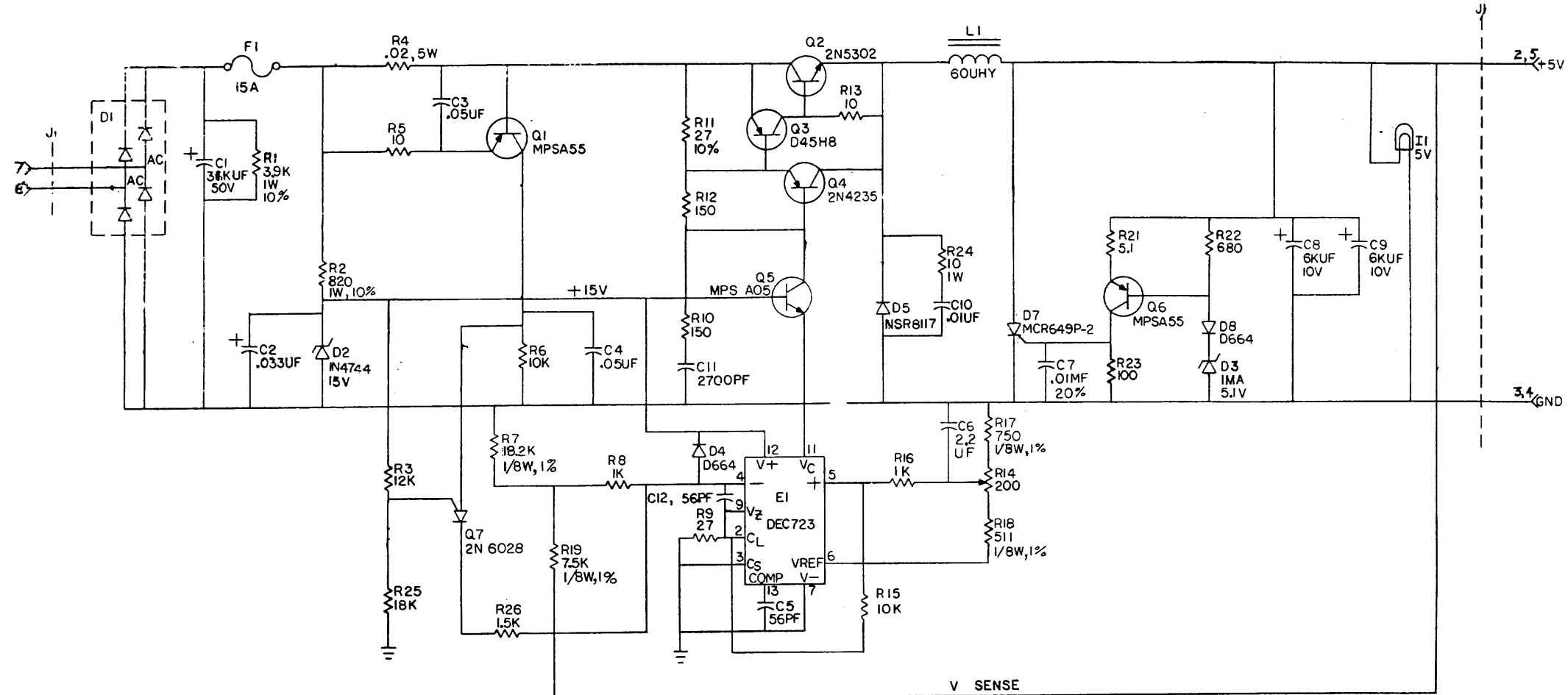
PARTS LIST			
ETCH BOARD REV			
DRN	DATE	2-3-72	
CHKD	DATE	2-3-72	
ENG	DATE	2-3-72	
PROJ. ENG.	DATE	2-3-72	
PROD.	DATE	2-3-72	
NEXT HIGHER ASSY			
SCALE			
SHEET	OF		
DEC NO.	EIA NO.	DEC NO.	EIA NO.
SEMICONDUCTOR CONVERSION CHART			
DRN	DATE	2-3-72	
CHKD	DATE	2-3-72	
ENG	DATE	2-3-72	
PROJ. ENG.	DATE	2-3-72	
PROD.	DATE	2-3-72	
NEXT HIGHER ASSY			
SCALE			
SHEET	OF		
DEC NO.	EIA NO.	DEC NO.	EIA NO.
SEMICONDUCTOR CONVERSION CHART			

digital EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS

TITLE
CIRCUIT SCHEMATIC
H742

SIZE CODE
D H742-0-1

NUMBER
REV. E



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

QTY	REF DESIGNATION		DESCRIPTION	PART NO.	ITEM NO.
PARTS LIST					
ETCH BOARD REV		F	H		
MPSA55		DRN. JONES V. DISCRETE	DATE 7-8-11	digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS	
2N5302		CHK'D. WILSON MOORE	DATE 9-21	TITLE	
D45H8		ENG. [Signature]	DATE 7/26/72	5V REGULATOR	
MPSAO5		PROD ENG. [Signature]	DATE 7/26/72		
		PROP. [Signature]	DATE 6/27/72		
		NEXT HIGHER ASSY ...			
DEC NO.	EIA NO.	SCALE	SHEET ? OF 1	SIZE CODE DCS	NUMBER H744 - Ø-I
				DIST.	

CONVERSION CHART

IN964A	SAME	MPSA55	
D664	IN3606	2N5302	
MCR649P-2		D45H8	
IN751A	SAME	MPSA05	
IN4744	SAME		
NSR8117			
2N6028			

SEMICONDUCTOR CONVERSION CHART

SCALE
SHEET 2 OF 1

SIZE	CODE	NUMBER
D	CS	H744-Ø-1

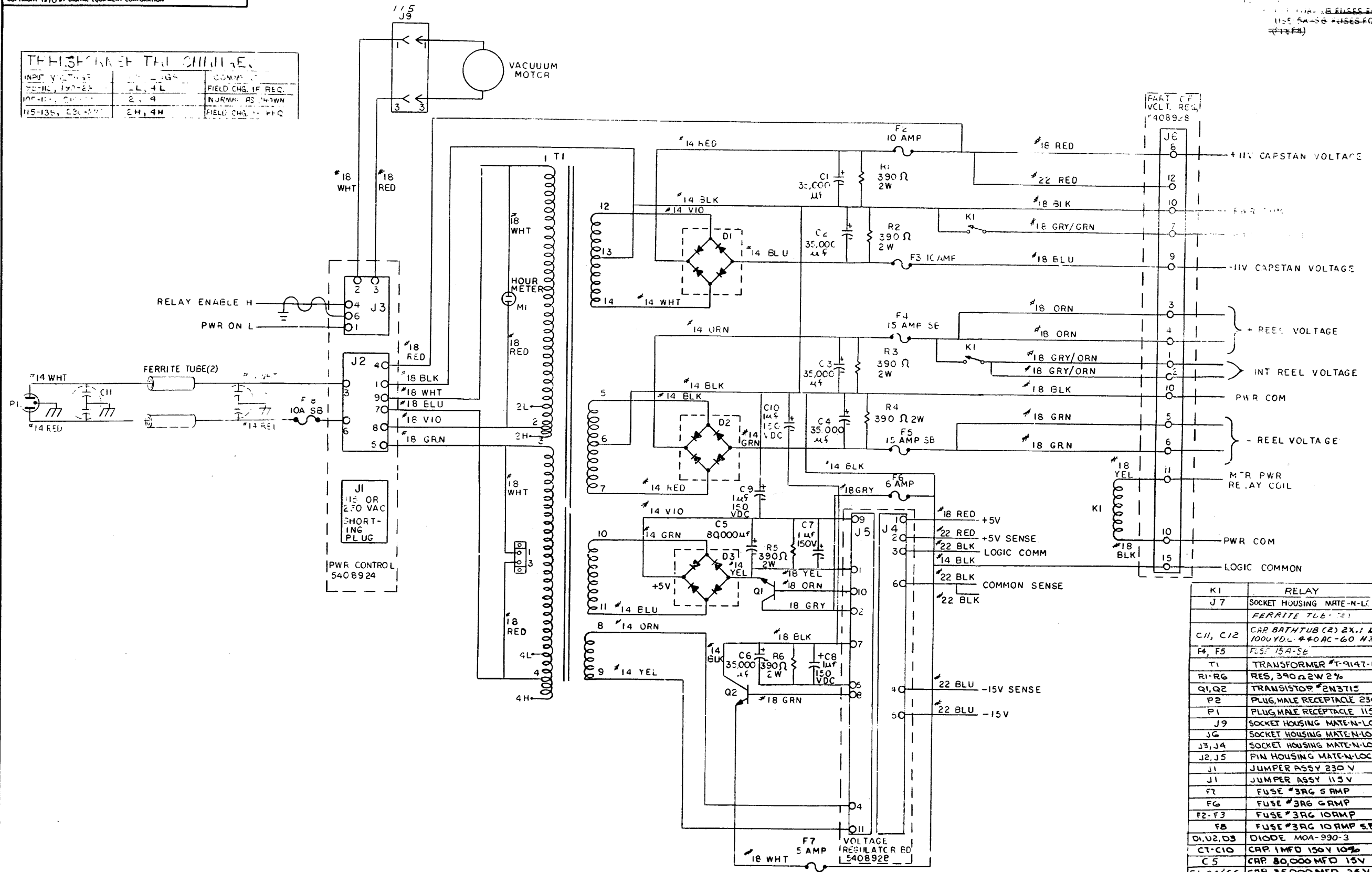
DIST.							
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REV	0
NUMBER	H724-01
CODE	CS

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USE 5A-5B FUSES FOR 115VAC OPERATION.
USE 5A-5B FUSES FOR 230VAC OPERATION.
(115V)

THIS SCHEMATIC CHANGES		
INPUT VOLTAGE	115-230	COMMON
FIELD CHG. IF REG.	2, 4	NORMAL AS SHOWN
115-135, 230-250	2H, 4H	FIELD CHG. IF REG.



KI	RELAY	1210102
J7	SOCKET HOUSING MATE-N-LOCK	1209350-09
	FERRITE TUBE(2)	16-5177
C11, C12	CAP BATH TUB (2) 2X.1 MF 1000VDC 440AC-60 HZ	1002153
F4, F5	FUSE 15A-5B	9007227
T1	TRANSFORMER T-9147-0	1610056
R1-R6	RES, 390Ω 2W 2%	1301880
Q1, Q2	TRANSISTOR 2N3715	1503068
P2	PLUG, MALE RECEPTACLE 230V	1209845
P1	PLUG, MALE RECEPTACLE 115V	1201252
J9	SOCKET HOUSING MATE-N-LOCK	1209350-03
J6	SOCKET HOUSING MATE-N-LOCK	1209350-13
J3, J4	SOCKET HOUSING MATE-N-LOCK	1209350-06
J2, J5	FIN HOUSING MATE-N-LOCK	1209351-12
J1	JUMPER ASSY 230 V	8-1A7001176-0-0
J1	JUMPER ASSY 115 V	8-1A7001175-0-0
F7	FUSE 3AG 5 AMP	9007221
F6	FUSE 3AG 6 AMP	9007222
F2-F3	FUSE 3AG 10 AMP	9008838
F8	FUSE 3AG 10 AMP 5B	9007225
D1, D2, D3	DIODE MOA-990-3	1110051
C1-C10	CAP 1MFD 150V 10%	1000063
C5	CAP 80,000MFD 15V	1009190
C1-C4, C6	CAP 35,000MFD 25V	1000098
REF	DES	PART NO

PARTS LIST		
TITLE	H730	POWER SUPPLY
DATE	1/2/71	REV. H
DESIGNED BY	CS	NUMBER
CHECKED BY	CS	H730-0-1
APPROVED BY	CS	PRINTED CIRCUIT REV.

REVISIONS	DATE	BY	REASON
1	1/2/71	CS	INITIAL DESIGN
2	2/11/71	CS	REVISION
3	2/11/71	CS	REVISION

1172



TB-2
CINCH JONES #140
TERMINAL STRIP

- < MAT-N-LOK
- HEYMAN TABS
- ⊙ JONES STRIP (PART OF TI)
- ◄ QUICK-CONNECT

dec

OUTPUT	
+V	PINS 1,4,7,8
V	PINS 2,3,6,9
WHITE	PIN 10
BROWN	PIN 11
ORANGE	PIN 12
	ORANGE TABS
	GREEN TABS
	WHITE TABS
	BROWN TABS

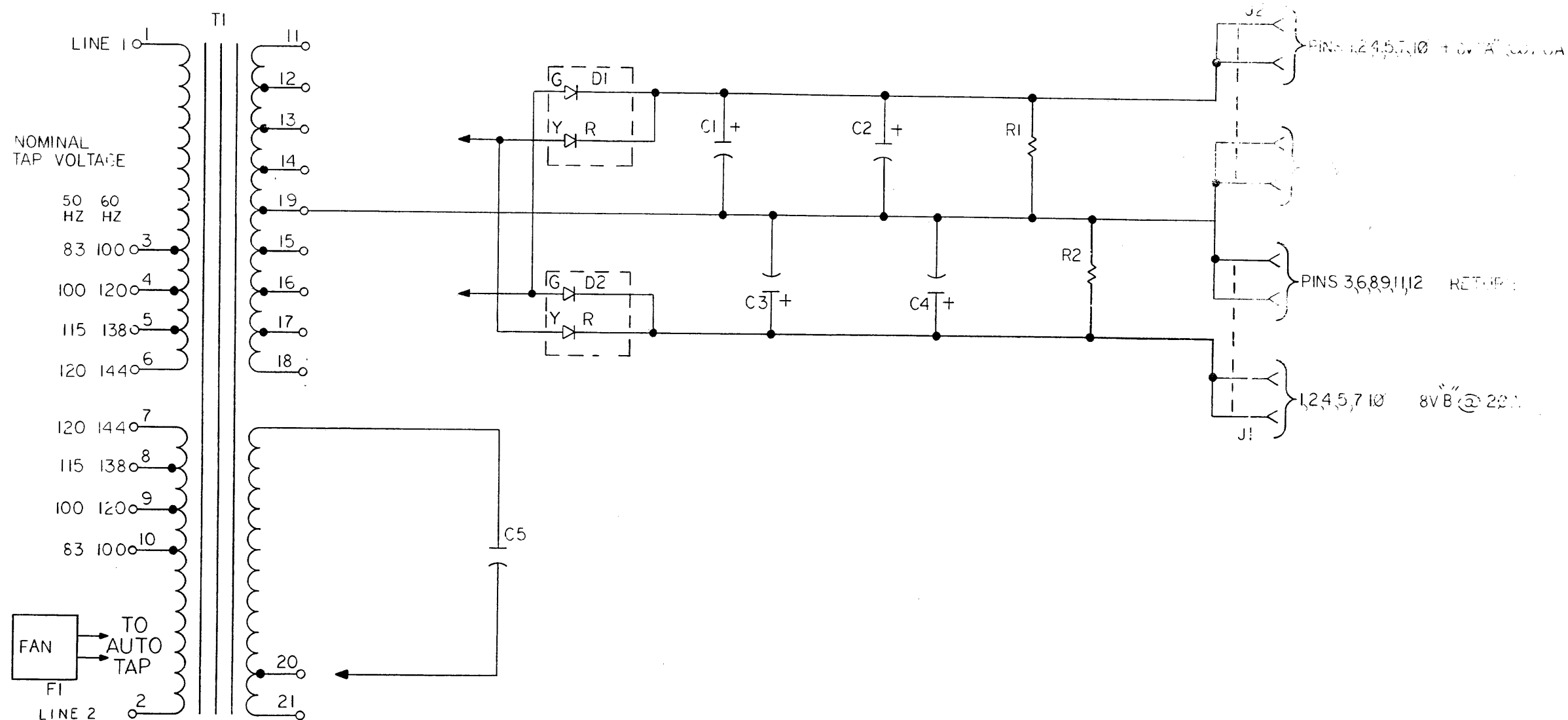
REF DES	DESCRIPTION	PART NO.
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digital
EQUIPMENT
CORPORATION
MAYNARD, MASSACHUSETTS

SIZE C	CODE CS	NUMBER H732-0-1	REV. C
PRINTED CIRCUIT REV.			

DRN. W. Honey	DATE 2-2-71
CHK'D [Signature]	DATE 7-3-71
ENG. [Signature]	DATE 7-13-71
PROD. [Signature]	DATE 9-13-71

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NOMINAL INPUT VOLTAGE $\pm 15\%$	JUMPER	LINE
100V 60 HZ	1-10 2-3	1, 2
120V 60 HZ	1-9 2-4	
240V 60 HZ	4-9	1, 2
100V 50 HZ	1-9 2-4	
115V 50 HZ	1-8 2-5	1, 2
200V 50 HZ	4-9	
220V 50 HZ	6-9	1, 2
240V 50 HZ	6-7	

	FREQUENCY ± 1 HZ	
	50 HZ	60 HZ
AUTOTAP $120V \pm 3\%$ AT NOMINAL, 3 AMP RECTIFIERS 6 μ F CAP	2, 7 21	2, 9 13, 16 20

J1, J2	AMP MATE-N-LOCK	1209350-12
REF	PARTS LIST H723	A-PL-H723-00
DI D2	DIODE DMI5	1105799
R1 R2	5R25W.W.L.	1300135
C5	CAP 6 μ F 660V AC	FURNISHED W/T!
C1, C2, C3, C4	CAP 160,000 μ F 20V	1004874
T1	TRANS	1610144
F1	FAN	1205033 01
REF. DES.	DESCRIPTION	PART NO.

REVISIONS
CHK CHG NO. REV.

DRN. 27
CHK'D
ENL
PROD

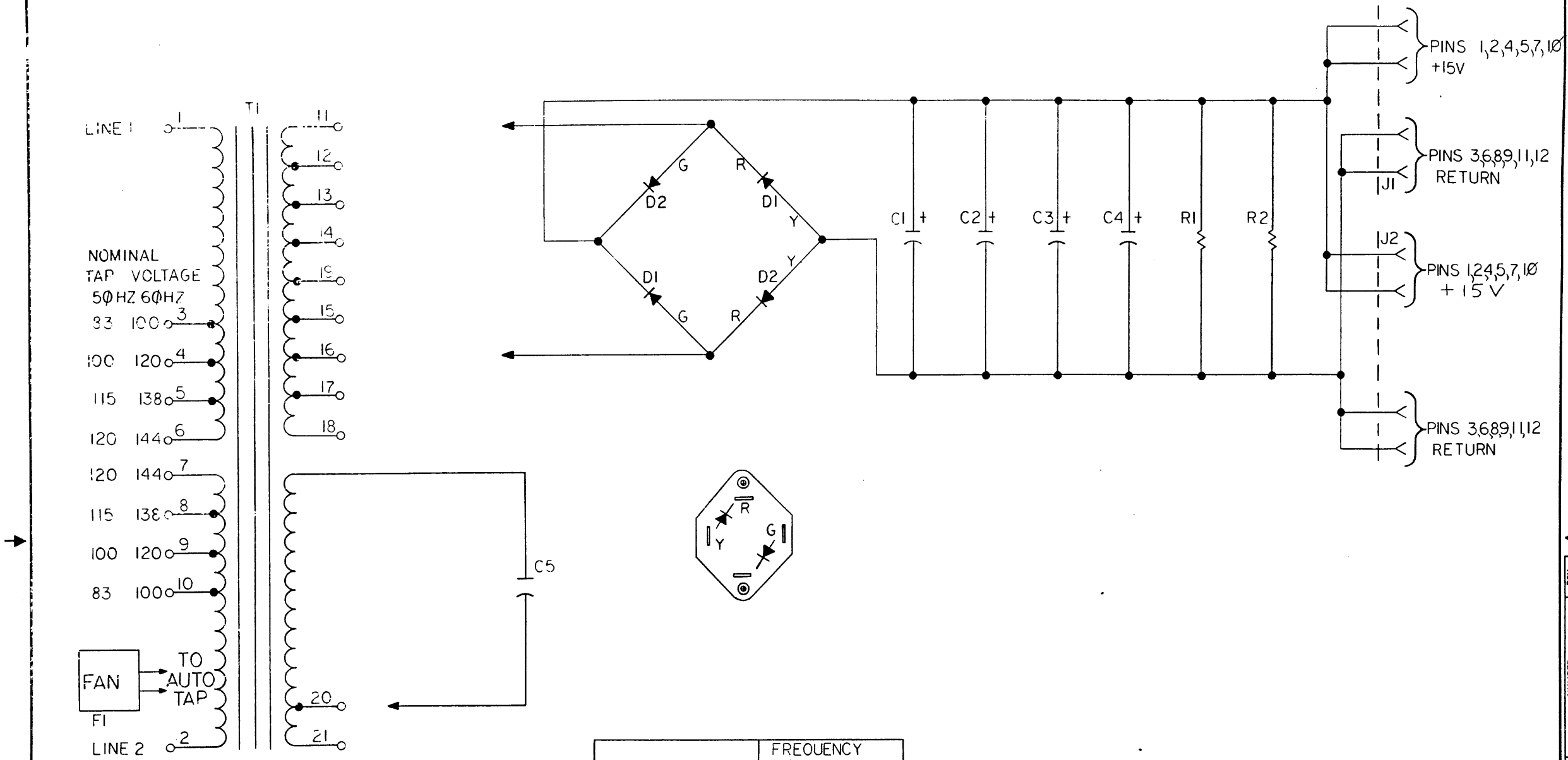
DATE
DATE
DATE
DATE

TRANSISTOR & DIODE CONVERSION CHART			
DEC	EIA	DEC	EIA

digital
EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS

TITLE +8V 40 AMP P.S.
H723
SIZE C CODE CS NUMBER H723-0-1
PRINTED CIRCUIT REV. 1

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NOMINAL INPUT VOLTAGE ±15%	JUMPER	LINE
100V 60 HZ	1-10, 2-3	1, 2
120V 60 HZ	1-9, 2-4	1, 2
240V 60 HZ	4-9	1, 2
100V 50 HZ	1-9, 2-4	1, 2
115V 50 HZ	1-8, 2-5	1, 2
200V 50 HZ	4-9	1, 2
220V 50 HZ	6-9	1, 2
240V 50 HZ	6-7	1, 2

	FREQUENCY ±1HZ	
	50 HZ	60 HZ
AUTOTAP 120V ± 15% AT NOMINAL 3 AMP	2, 7	2, 9
RECTIFIERS	12, 17	14, 15
6 μf CAP	21	20

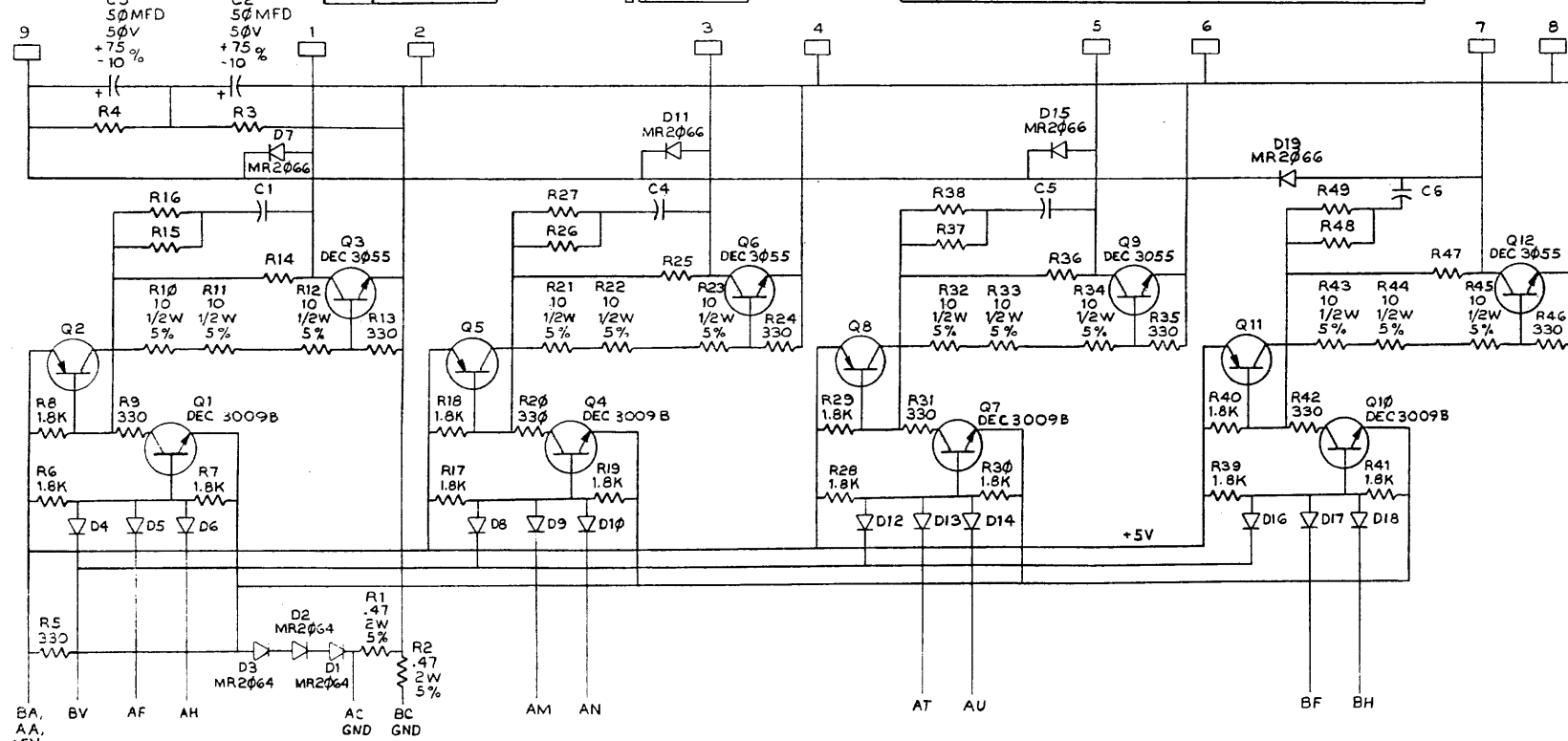
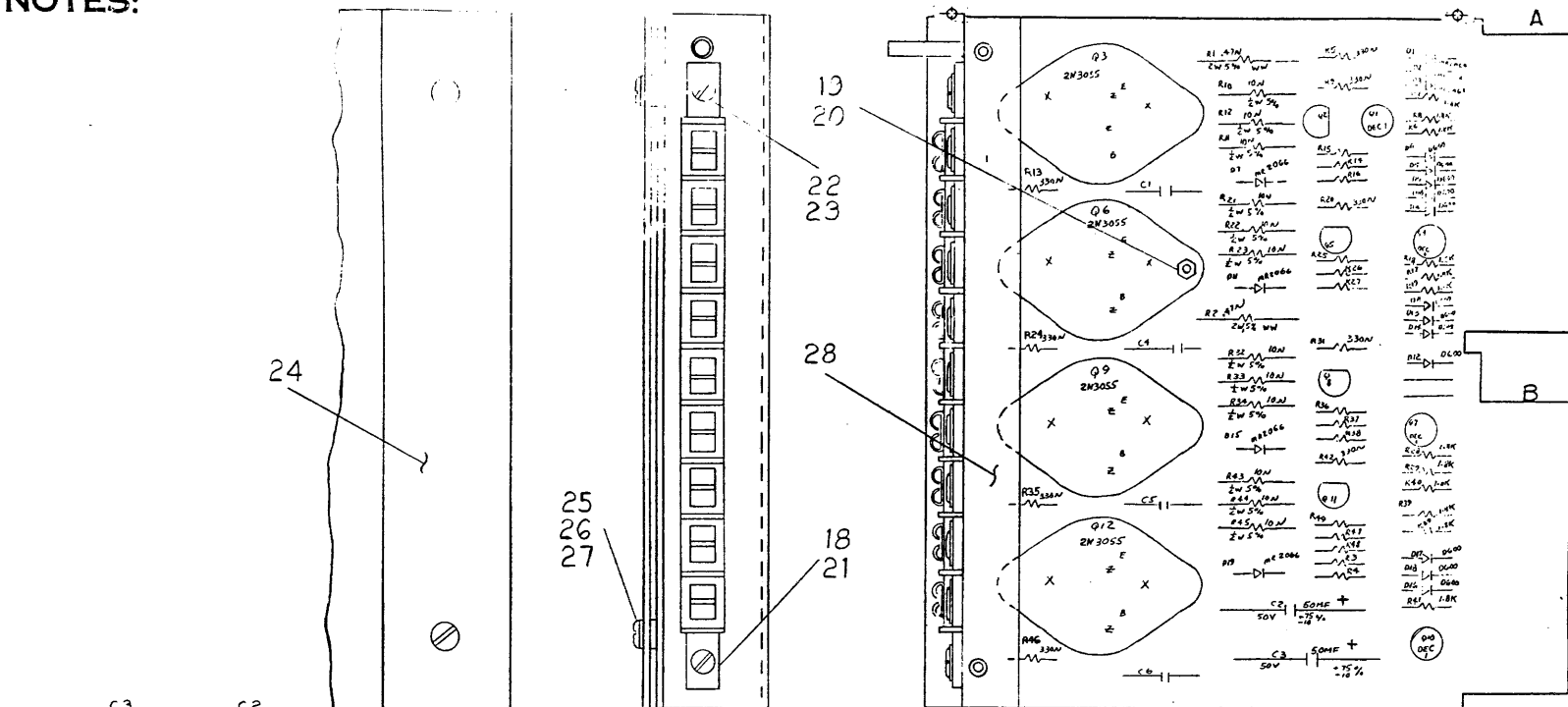
J1, J2	AMP MATE-N-LOCK	1209350-12
D1, D2	DIODE, DMI5	1105799
REF	PARTS LIST H725	A-PL-H725-0-0
R1, R2	RES 15 Ω 25W	1300181
C5	6 μF 60V AC	FURNISHED W/TI
C1, C2, C3, C4	CAP 57,000 μF 50V	1004875
TI	TRANS	1610144
FI	FAN	1205033-01
REF DES	DESCRIPTION	PART NO

REVISIONS CHK CHG NO. REV.	DRN. 12/12/71	DATE 12/12/71	TRANSISTOR & DIODE CONVERSION CHART				digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS	TITLE +15V 20A P.S. H725			
	CHK'D 12/12/71	DATE 12/12/71	DEC	EIA	DEC	EIA		SIZE C	CODE CS	NUMBER H725-0-1	REV.
	ENG 12/12/71	DATE 12/12/71									
	PROD 12/12/71	DATE 12/12/71									

REV. H725-0-1

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NOTES:

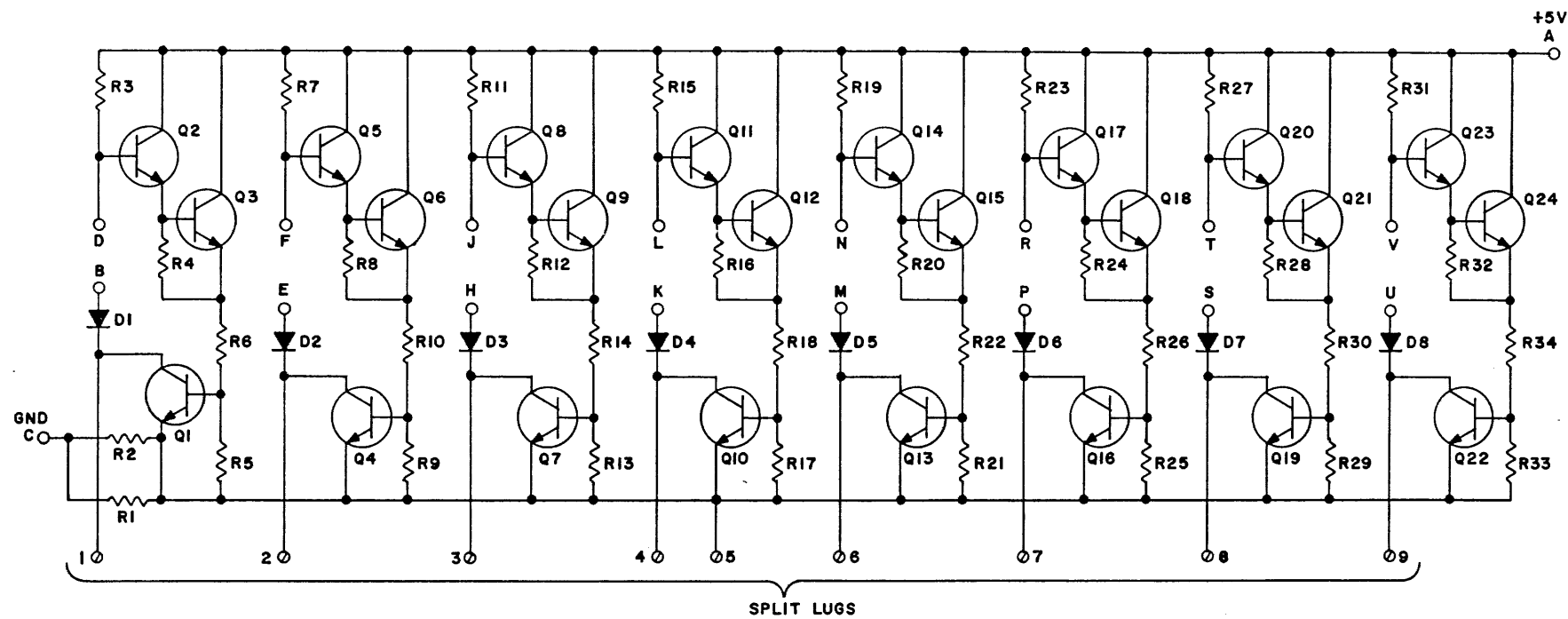


UNLESS OTHERWISE INDICATED:
RESISTORS ARE 33K, 1/4W, 10% CAPACITORS ARE 680MMF, 500V, 10%
DIODES ARE D600 TRANSISTORS ARE DEC 6534D INDICATES TERMINALS

REF	Y	COORDINATE	LOCATION	16-CQ-K652-0-4	1
REF			ASSY/DRILLING HOLE LAYOUT	D-AH-K652-0-4	2
REF			MODULE ECO HISTORY	E-MH-K652-0-6	3
1			ETCHED CIRCUIT BOARD	5009027	4
4	C1, C4-C6		CAP. 680MMF, 500V, 10% CERAMIC	1005726	5
2	C2, C3		CAP. 50MFD, 50V, 10+75% S. TANT	1000080	6
3	D1-D3		DIODE MR 2064	1103183	7
12	D4-D6, D8-D10, D12-D14, D16-D18		DIODE D600	1105366	8
4	D7, D11, D15, D19		DIODE 1N4004	1105796	9
2	R1, R2		RES. .47 OHMS, 2W, 5%, WW	1305258	10
14	R3, R4, R14-R16, R25-R27, R36-R38, R47-R49		RES. 33K, 1/4W, 10%, CC.	1300510	11
9	R5, R9, R13, R20, R24, R31, R35, R42, R46		RES. 330 OHMS, 1/4W, 10%, CC.	1300293	12
12	R6-R8, R17-R19, R28-R30, R39-R41		RES. 1.8K, 1/4W, 10%, CC.	1301428	13
12	R10-R12, R21-R23, R32-R34, R43-R45		RES. 10 OHMS, 1/2W, 5%, CC.	1300168	14
4	Q1, Q4, Q7, Q10		TRANSISTOR DEC 3009B	1503100	15
4	Q2, Q5, Q8, Q11		TRANSISTOR DEC 6534D	1503409	16
4	Q3, Q6, Q9, Q12		TRANSISTOR 2N 3055	1505819	17
1			STRIP TERMINAL	1209083	18
8			SCR BND HD 4-40X5/16 LG	9006010-04	19
8			NUT KEP 4-40	9006557	20
1			BLOCK TERMINAL	B-MD-5508817-0-0	21
2			WASHER LOCK INTERNAL TOOTH #6	9006633	22
2			SCR, BND HD 6-32X9/16 LG	9007793-04	23
1			PLATE INSULATOR	B-MD-5508235-0-0	24
2			SCR BND HD MACH #6-32X.25LG	9006020-04	25
2			WASHER FLAT FIBER	9008079	26
2			NUT PERMA #6-32X 3/64 TUB.	9006580	27
1			BRKT, MTG	C-TA-7418241-0-0	28

QTY	REF. DESIGNATION	DESCRIPTION	PART NO.	ITEM NO.
PARTS LIST				
K652				
ETCH BOARD REV. B				
DRN. DATE 5-1-75				
CHK'D. DATE 5-1-75				
EAP. DATE 5-1-75				
PROJ. ENG. DATE				
PROD. DATE				
NEXT HIGHER ASSY				
DEC NO. EIA NO. DEC NO. EIA NO.				
SEMICONDUCTOR CONVERSION CHART				
SHEET 1 OF 1				
SCALE				
DIST.				

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Q17, Q18, Q20, Q21, Q23, Q24	TRANSISTOR DECO001	1505369
Q2, Q3, Q5, Q6, Q8, Q9, Q11, Q12, Q14, Q15, Q1, Q4, Q7, Q10, Q13, Q16, Q19, Q22	TRANSISTOR DEC3568	1502937
R1, R2	RES. 0.47 2W 5% WW	1305258
R6, R10, R14, R18, R22, R26, R30, R34	RES. 150 1/4W 10% CC	1300252
R19, R21, R23, R25, R27, R29, R31, R33, R3, R5, R7, R9, R11, R13, R15, R17,	RES. 4.7K 1/4W 10% CC	1300448
D1 - D8	D672	1105275
PARTS LIST		A-PL-K683-O-O
REFERENCE DESIGNATION	DESCRIPTION	PART NO.

REV.	CHG.	NO.	REV.
1	0	7038	A

DRN.	DATE
M. Haller	10-27-67
CHK'D	DATE
T. Sullivan	10/30/67
ENG.	DATE
R. P. Roe	10/30/67
PROD.	DATE

TRANSISTOR & DIODE CONVERSION CHART			
DEC		EIA	
DEC 1	2N3721		
DEC 3568	2N3568		
D 672	1N3653		

digital			TITLE				
EQUIPMENT CORPORATION			DRIVER K683				
MAYNARD, MASSACHUSETTS			SIZE	CODE	NUMBER	REV.	
			C	CS	K683-0-1	A	
PRINTED CIRCUIT REV.					B		

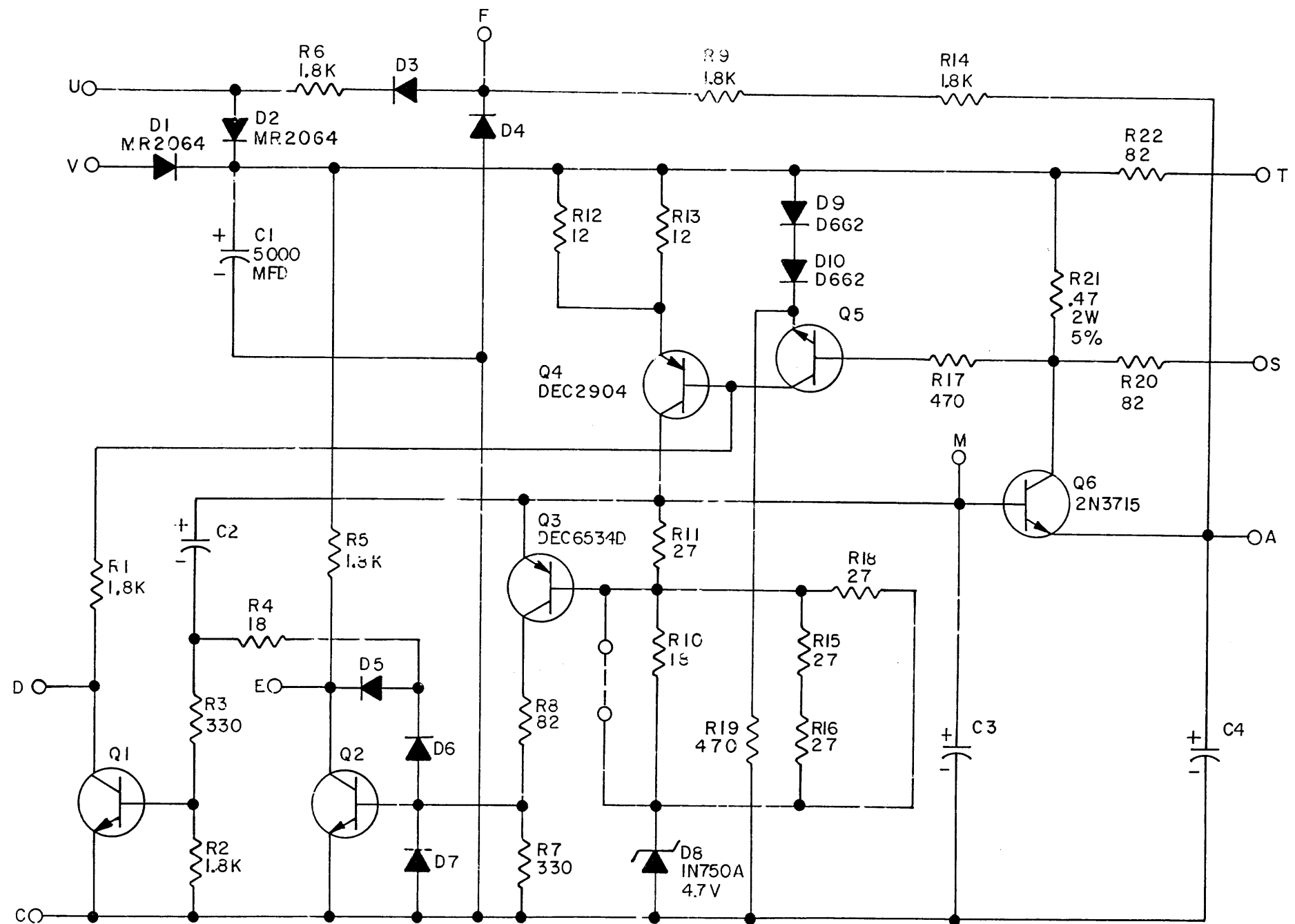
DEC FORM NO. DRC 102

PINK

DIST 324 434 425

SIZE CODE NUMBER REV.
C CS K683-0-1 A

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UNLESS OTHERWISE INDICATED:
 DIODES ARE D600
 RESISTORS ARE 1/4W 10%
 TRANSISTORS ARE DEC I
 CAPACITORS ARE 39MFD 10V 10%

REVISIONS	CHK	CHG	NO.	REV	C
1	RMS	6756	C		
2	REV	8 REDR			
3	P.	100001	D		
4	P.	100002	E		
5	P.	100003	F		
6	P.	100004	G		
7	P.	100005	H		
8	P.	100006	I		
9	P.	100007	J		
10	P.	100008	K		
11	P.	100009	L		
12	P.	100010	M		
13	P.	100011	N		
14	P.	100012	O		
15	P.	100013	P		
16	P.	100014	Q		
17	P.	100015	R		
18	P.	100016	S		
19	P.	100017	T		
20	P.	100018	U		
21	P.	100019	V		
22	P.	100020	W		
23	P.	100021	X		
24	P.	100022	Y		
25	P.	100023	Z		

DRN. M. HALLER	DATE 5-2-67
CHK'D R. SILVERMAN	DATE 5-5-67
ENG. R. DOANE	DATE 5-22-67
PROD.	DATE

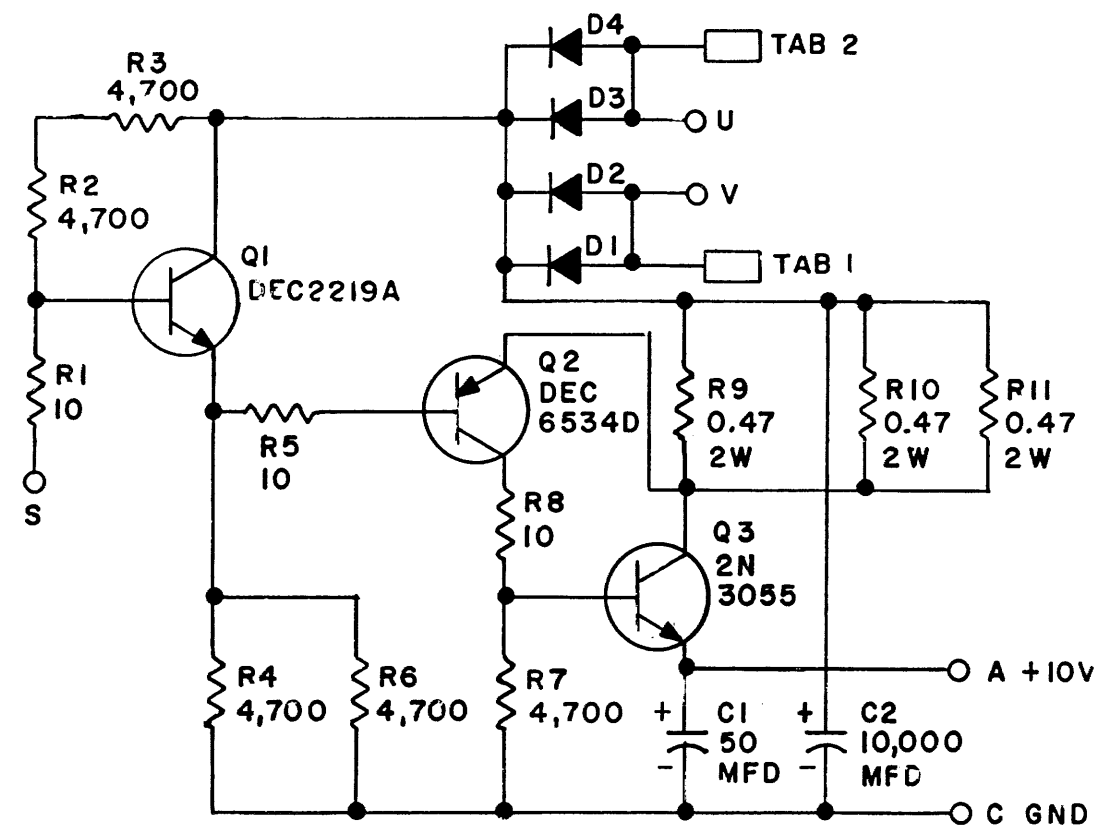
TRANSISTOR & DIODE CONVERSION CHART			
DEC	EIA	DEC	EIA
D600	IN4009	2N3715	NONE
IN750A	SAME	DEC2904	SAME
MR2064	IN4001	DEC1	2N3721
D662	IN645		
DEC6534D	MPS6534		

digital
 EQUIPMENT CORPORATION
 MAYNARD, MASSACHUSETTS

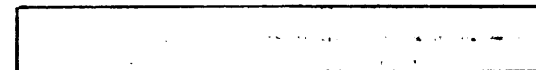
TITLE SOURCE MODULE K731			
SIZE B	CODE CS	NUMBER K731-0-1	REV. E
PRINTED CIRCUIT REV. E			

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REV. A	NUMBER K732-0-1	CS	B
SIZE	CODE	CS	B

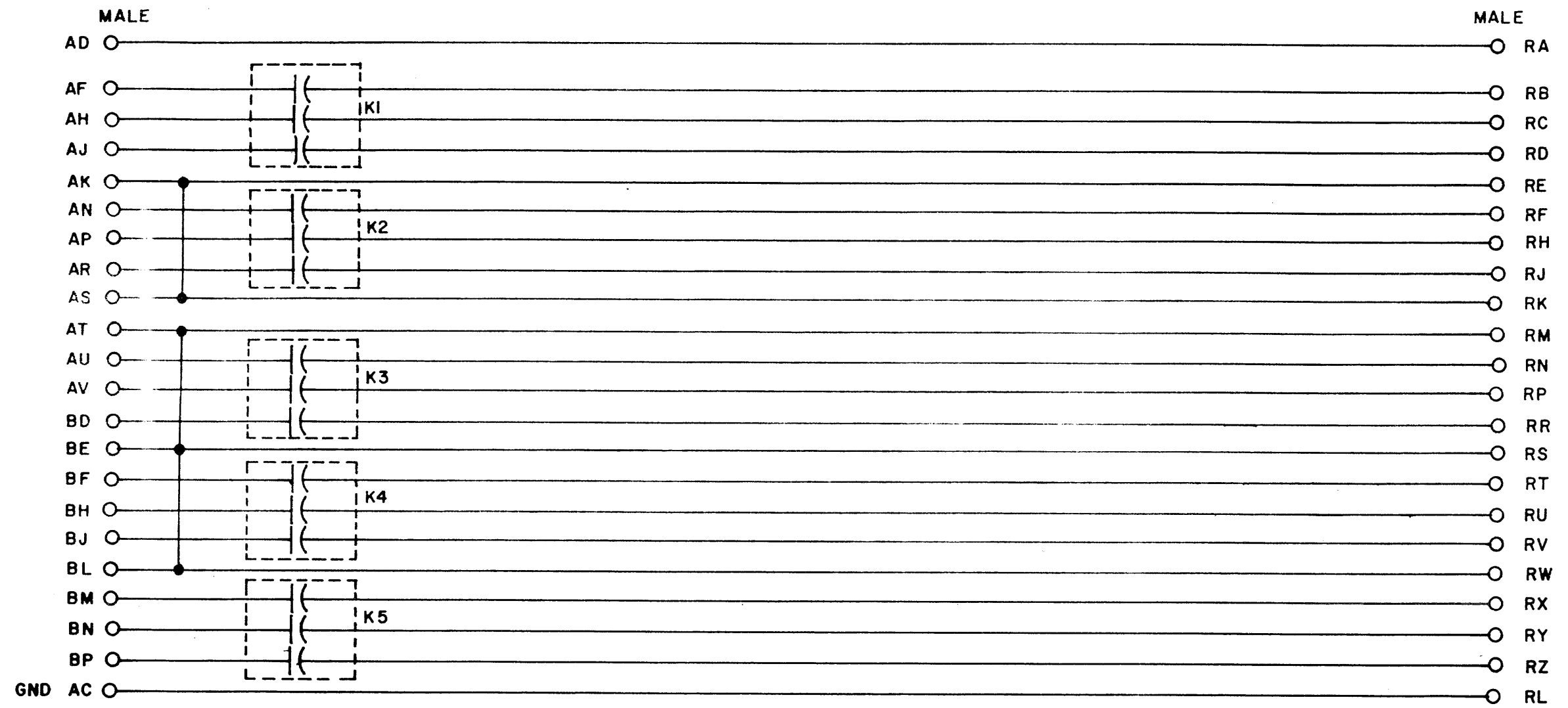


UNLESS OTHERWISE INDICATED:
RESISTORS ARE 1/4W, 10%
RECTIFIERS ARE IN4001
C1 IS A SPRAGUE 30D506G006CBO OR EQUIV.
C2 IS A SPRAGUE 39D1096010JTO OR EQUIV.
TABS ARE AMP FASTON SERIES 250



REVISIONS	DRN.	DATE	TRANSISTOR & DIODE CONVERSION CHART		digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS	TITLE											
	CHK CHG NO. REV.	CHK'D	DATE	DEC		EIA	DEC	EIA	SLAVE REGULATOR K732								
	ENG.	DATE	2N3055	SAME				SIZE	CODE	NUMBER	REV.						
	PROD.	DATE	DEC6534D	MPS6534				B	CS	K732-0-1	A						
				DEC2219A	2N2219					PRINTED CIRCUIT REV.		A	B				

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AMPHENOL
133-022-03

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

-15V AB ○

REVISIONS	CHK	CHG NO.	REV.	1							
	DAW	4613									
	REV	6 REDR.									
	DAW	5196									
	DAW	G851-1									
DRN. H.W. PORTER				DATE 1-13-65	TRANSISTOR & DIODE CONVERSION CHART				TITLE RELAY G851		
CHK'D N. PERRYMAN				DATE 1-25-65	DEC				EIA		
ENG. D. WARDIMAN				DATE 1-25-65	DEC				EIA		
PROD.				DATE	DEC				EIA		
digital					EQUIPMENT CORPORATION					SIZE B	
MAYNARD, MASSACHUSETTS					NUMBER G851-0-1					REV. C	
PRINTED CIRCUIT REV.					B						