

Digital Equipment Corporation
Maynard, Massachusetts

digital

Engineering Drawings

**PC04/PC05
PAPER-TAPE READER/PUNCH
(FEED-HOLE STROBED MODELS)**

PC04/PC05
PAPER-TAPE
READER/PUNCH
(FEED-HOLE STROBED MODELS)

ENGINEERING DRAWINGS

1st Edition June 1971

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DIGITAL	COMPUTER LAB

ENGINEERING DRAWINGS

PC04 Engineering Drawings

Number	Title
D-DI-PC04-0-1	Drawing Index
D-UA-PC04-0-0	Unit Assembly
A-PL-PC04-0-0	Unit Assembly Parts List
D-BS-PC04-0-2	Power and Control Schematic Diagram
C-MU-PC04-0-3	Module Utilization List
A-PL-PC04-0-3	Parts List, Modules
E-AD-7006268-0-0	Bus Bar
A-PL-7006268-0-0	Bus Bar, Parts List
A-SP-PC04-0-4	PC04 Engineering Specification

PC05 Engineering Drawings

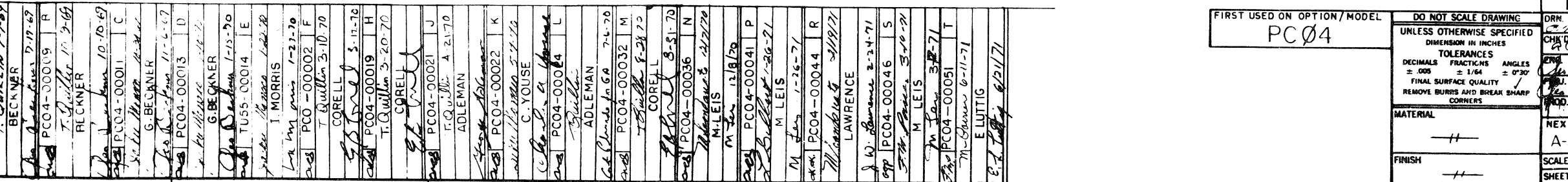
Number	Title
D-DI-PC05-0-1	Drawing Index
D-UA-PC05-0-0	Unit Assembly
A-PL-PC05-0-0	Unit Assembly, Parts List
D-BS-PC05-0-4	Power and Control Schematic
C-MU-PC05-0-3	Module Utilization List
A-PL-PC05-0-3	Parts List, Modules
C-AD-7006253-0-0	Bus Bar
A-PL-7006253-0-0	Bus Bar, Parts List

PC04/PC05 Module Circuit Schematics

Module	Number	Title
G918	C-CS-G918-0-1	Photo Transistor Amplifier
M040	B-CS-M040-0-1	Solenoid Driver
M044	B-CS-M710-0-1	Solenoid Driver
M710	C-CS-M710-0-1	Punch Control
M715	C-CS-M715-0-1	Ready Clock
M840	E-CS-M840-0-1	Reader/Punch Control
M7050	D-CS-M7050-0-1	Reader Control

1st Sec	16 years	1-21-70
1st Sec	I. MORRIS	
1st Sec	16 yrs	1-21-70
1st Sec	PCO4-00002 F	
1st Sec	T. Quillen 3-10-70	
1st Sec	CORELL	
1st Sec	5-11-70	
1st Sec	PCO4-00019 H	
1st Sec	T. Quillen 3-20-70	
1st Sec	CORELL	
1st Sec	5-11-70	
1st Sec	PCO4-00021 J	
1st Sec	T. Quillen A 21-70	
1st Sec	ADLEMAN	
1st Sec	5-11-70	
1st Sec	PCO4-00022 K	
1st Sec	5-11-70	
1st Sec	C. YOUSE	
1st Sec	5-11-70	
1st Sec	PCO4-00024 L	
1st Sec	Quillen	
1st Sec	ADLEMAN	
1st Sec	5-11-70	
1st Sec	PCO4-00032 M	
1st Sec	5-11-70	
1st Sec	CORELL	
1st Sec	5-11-70	
1st Sec	PCO4-00036 N	
1st Sec	5-11-70	
1st Sec	M. LEIS	
1st Sec	5-11-70	
1st Sec	PCO4-00041 P	
1st Sec	5-11-70	
1st Sec	M. LEIS	
1st Sec	5-11-70	
1st Sec	PCO4-00044 R	
1st Sec	5-11-70	
1st Sec	LAWRENCE	
1st Sec	5-11-70	
1st Sec	PCO4-00046 S	
1st Sec	5-11-70	
1st Sec	M. LEIS	
1st Sec	5-11-70	
1st Sec	PCO4-00051 T	
1st Sec	5-11-70	
1st Sec	E. LUTTIG	
1st Sec	5-11-70	

digital EQUIPMENT CORPORATION
MAYNARD MASSACHUSETTS

[illegible]

DO NOT SCALE DRAWING		
UNLESS OTHERWISE SPECIFIED		
DIMENSION IN INCHES		
TOLERANCES		
DECIMALS	FRACTIONS	ANGLE
= .005	= 1/64	= 0°30'
FINAL SURFACE QUALITY		
REMOVE BURRS AND BREAK SHARP CORNERS		
MATERIAL		
FINISH		

QTY.	DESCRIPTION	PART NO.	IT
PARTS LIST			
DRN # 11-11-11-11-11	DATE 6/6/69	digital EQUIPMENT CORPORATION MAYNARD MASSACHUSETTS	
CH'D # 11-11-11-11-11	DATE 6/6/69		
CRS # 11-11-11-11-11	DATE 6/6/69		
CHJ. ENR # 11-11-11-11-11	DATE 6/6/69		
PROJ. # 11-11-11-11-11	DATE 6/6/69		
SCALE # 11-11-11-11-11	DATE 6/6/69		
NEXT HIGHER ASSY A-ML-PC04		TITLE DRAWING INDEX LIST, PC04	
SCALE # 11-11-11-11-11	SHEET 1 OF 2	SIZE CODE	NUMBER PC04-0-1
SHEET 1 OF 2		DIST.	REV T

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MECHANICAL					DEPT USAGE		MECHANICAL					DEPT USAGE		ELECTRICAL					DEPT USAGE									
FIND NO	DESCRIPTION	PART NO	PROD	CUST	F/C	FIND NO	DESCRIPTION	PART NO	PROD	CUST	F/C	FIND NO	DESCRIPTION	PART NO	PROD	CUST	F/C	FIND NO	DESCRIPTION	PART NO	PROD	CUST	F/C					
1	PC04- READER & PUNCH	D-UA-PC04-0-0				4	PHOTO TRANSISTOR ASSY	C-1A-7008267-0-0				16	SWITCH ASSY SWITCH ASSY SWITCH ASSY SWITCH ASSY (PL) BAR SPACER SW. BD.	C-AD-5408935-0-0 C-AD-5408310-3-0 C-AD-5408310-4-0 A-PL-5408310-0-0 B-WD-7407175-0-0				1	PC04-B READER & PUNCH PC04-BA READER & PUNCH PC04-C READER & PUNCH & DRIVER PC04-CA READER & PUNCH & DRIVER PC04-P PUNCH PC04-PA PUNCH POWER AND CONTROL SCHEMATIC DIAGRAM	A-ML-PC04-B A-ML-PC04-BA A-ML-PC04-C A-ML-PC04-CA A-ML-PC04-P A-ML-PC04-PA								
2	PC04- READER & PUNCH (PL) CHAD BOX TAPE CONTAINER I/O CABLE ASSY PC04-PA PUNCH BRKT RESISTOR SCR MODULE & TAINER HOLD DOV.N BAR PACKAGING INSTRUCTIONS PC04 READER & PUNCH PUNCH ASSY (60CY) PUNCH ASSY (50CY) PUNCH ASSY (PL) CHAD TUBE PUNCH MTG CHASSIS HINGE BRKT FEED TAPE CHUTE TAPE DEPRESSOR PIN PULLY (60CY) PULLY (50CY) TORSION SPRING	A-PL-PC04-0-0 B-WD-7405300-0-0 D-WD-7407131-0-0 C-1A-7008281-0-0 D-UA-PC04-PA-B C-MD-7408091-0-0 C-1A-7405642-0-0 C-1A-7408339-7-0 A-PL-3700024-0-0 D-AD-7006248-1-0 D-AD-7006248-2-0 A-PL-7006248-0-0 B-WD-7407386-0-0 D-1A-7407071-0-0 B-WD-7407063-0-0 D-MD-7408038-0-0 D-1A-7408171-0-0 D-SC-1209945-0-0 B-WD-7408172-0-0 B-WD-7408089-1-0 B-WD-7408089-2-0 C-SC-1209924-0-0				5	PHOTO TRANSISTOR BD ASSY	D-1A-5409227-0-0				17	PC0 SWITCH BOARD FLIP CHIP MODULE	D-1A-5008309-0-0 D-MD-1402230-0-0 D-1A-5008934-0-0				7	MODULE UTILIZATION MODULE UTILIZATION (PL) ENGINEERING SPECS CHASSIS & POWER SUPPLY ASSY POWER REG BD C.S.	D-BS-PC04-0-2 C-MU-PC04-0-3 A-PL-PC04-0-3 A-SP-PC04-0-4 D-AD-7006246-0-0 B-CS-5408308-0-0								
	3	READER ASSY READER ASSY (PL) TAPE PATH GUIDE READER PLATE BLOCKY READER SHAFT READER PLATE ARM SPRING SPRING,BULB DEPRESSOR TAPE BRKT TAPE HOLD DOWN SLC SYN MOTOR REWORK SHIM L.F.N.S	D-AD-7006247-0-0 A-PL-7006247-0-0 D-WD-7407076-0-0 D-WD-7407085-0-0 B-WD-7407119-0-0 B-WD-7407120-0-0 B-WD-7407118-0-0 A-WD-7407116-0-0 C-WD-7407121-0-0 C-WD-7407144-0-0 B-1A-7407684-0-0 B-MD-7407800-0-0 B-MD-7404989-0-0				6					18	PC04 BUS BAR MTG. BAR (6 IN.)	E-AD-7006268-0-0 B-1A-7407077-0-0				9										
						8	PWR REGULATOR ASSY PWR REGULATOR (PL) HEATSINK,PWR REGULATOR	C-AD-7006012-0-0 A-PL-7006512-0-0 C-MD-7407069-0-0										11	SCREW DRIVER ASSY	C-AD-5408385-0-0								
						9	PWR REGULATOR BOARD ASSY	C-1A-5408918-0-0										12	PRINTED CIRCUIT 823	PC-5403770-0-1								
						10	ETCH BOARD	D-1A-5008919-0-0										18	BUS BAR (PC04) BUS BAR (PC04)	E-AD-7006268-0-0 E-AD-7006268-1-0								
						11	SCR DRIVER ASSY SCR DRIVER CHASSIS	C-AD-5408385-0-0 C-1A-7407070-0-0																				
						12	TERMINAL BD ASSY	B-1A-5403770-0-0																				
						13	TERMINAL BOARD	C-1A-5003717-0-0																				
						14	COVER ASSEMBLY COVER ASSEMBLY COVER ASSEMBLY COVER ASSEMBLY COVER ASSEMBLY (PL) COVER, PC0 (BASIC & COMB.) COVER, PC0 (PUNCH) COVER, PC0 (READER) SHIM,BEZEL	D-AD-7006252-1-0 D-AD-7006252-2-0 D-AD-7006252-3-0 D-AD-7006252-4-0 A-PL-7006252-0-0 E-SC-1209396-2-0 E-SC-1209396-4-0 E-SC-1209396-6-0 C-MD-7407849-0-0																				
						15	BEZEL SWITCH SILK SCREEN BEZEL SWITCH SILK SCREEN BEZEL SWITCH SILK SCREEN BEZEL SWITCH SILK SCREEN	C-1A-7407134-1-0 A-SS-7407134-1-1 C-1A-7407134-2-0 A-SS-7407134-2-1 C-1A-7407134-3-0 A-SS-7407134-3-1 C-1A-7407134-4-0 A-SS-7407134-4-1																				
																						FIRST USED ON OPTION/ MODEL			QTY.	DESCRIPTION		PART
																						PC04						
																									PARTS LIST			

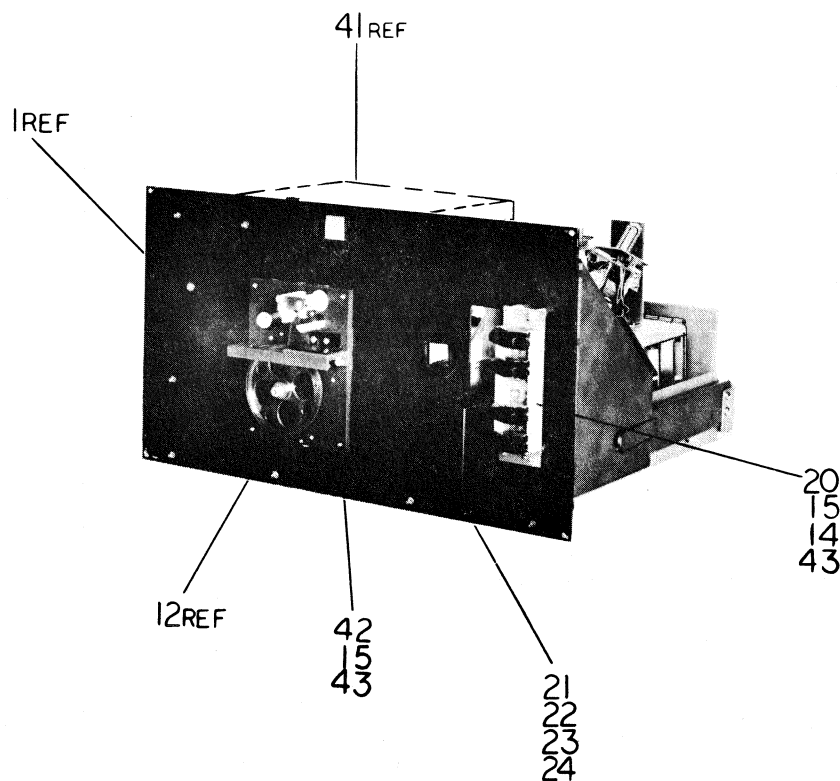
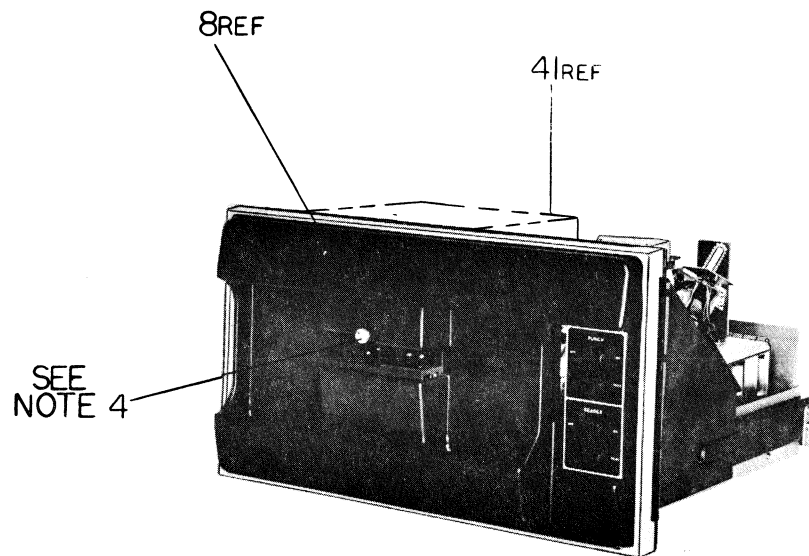
FIRST USED ON OPTION/MATERIAL PC04		QTY.	DESCRIPTION	PART NO.	REV.
UNLESS OTHERWISE SPECIFIED		DRN B. Moravette	DATE 6/6/62	PARTS LIST	
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES		CHK'D P. Corwell	DATE 6/6/69	digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS	
TOLERANCES		ENG J. J. [unclear]	DATE 6/6/69	TITLE	
DECIMALS FRACTIONS ANGLES ± .001 ± 1/64 ± 1/32		CHK'D ENG J. J. [unclear]	DATE 6/6/69	DRAWING INDEX	
FINAL SURFACE QUALITY REMOVE BURRS AND BREAK SHARP CORNERS		CHK'D W. J. [unclear]	DATE 6/6/69	LIST PC04	
MATERIAL		NEXT HIGHER ASSY		SIZE CODE NUMBER	
+ + +		AML PC04		D DI PC04-0-1	
FINISH		SCALE		REV.	
+ + +		+ + +		i	
SHEET		2 OF 2		DIST. [unclear]	

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LEGEND		
MODEL	CY	VARIATION
PC04 - B, BB, & BL	60	READER & PUNCH
PC04 - BA, BC, BM	50	READER & PUNCH
PC04 - C	60	READER, PUNCH & DRIVER
PC04 - CA	50	READER, PUNCH & DRIVER
PC04 - P, & PL	60	PUNCH
PC04 - PA & PM	50	PUNCH
PC04 - R & RB	X	READER

NOTES:

1. WIRING OF SWITCHES VARIES DEPENDING ON UNIT MODEL BEING BUILT. FOR SWITCH CONFIGURATION, FOR WIRING PURPOSES SEE: DETAIL "A" FOR MODEL B, B&B, BC, BL & BM, DETAIL "B" FOR MODEL P & PA, DETAIL "C" FOR MODEL R & RB AND DETAIL "D" FOR MODEL "C" AND "CA". 50/60 CY HAS NO EFFECT.
2. IF THE SCR DRIVER UNIT IS USED, THIS WIRE WILL CONNECT TO SCR DRIVER T1, NOT TS-6. FOR CORRECT WIRING WHEN UNIT IS USED, SEE SCR DRIVER WIRE LIST. (SHEET 3)
3. REMOVE CLAMP FROM CHASSIS, PLACE CABLE IN POSITION, THEN REINSTALL CLAMP IN POSITION OVER CABLE.
4. COVER ASSY TO BE ATTACHED TO CHASSIS ASSY AFTER ALL OTHER INSTALLATIONS ARE COMPLETE. TO DO SO, READER KNOB MUST BE REMOVED, COVER INSTALLED, THEN KNOB REPLACED ON READER SHAFT.
5. ON MODELS P AND PA THIS WIRE WILL BE TIED BACK AND WHITE SHRINKABLE TUBING (ITEM 45) REQD.
6. ON ALL MODELS ALL UNUSED WIRES SHOULD BE CONNECTED TO THEIR APPROPRIATE TABS.
7. MODULE HOLD DOWN BAR TO BE INSTALLED BEFORE SHIPPING MACHINE.



REV.	CHG. NO.	REV.
A	PC04-00006	A
B	PC04-00011	B
C	PC04-00012	C
D	PC04-00021	D
E	PC04-00022	E
F	PC04-00025	F
G	PC04-00027	G
H	PC04-00027	H
I	PC04-00027	I
J	PC04-00036	J
K	PC04-00041	K
L	PC04-00046	L
M	PC04-00046	M
N	PC04-00046	N
O	PC04-00046	O
P	PC04-00046	P
Q	PC04-00046	Q
R	PC04-00046	R
S	PC04-00046	S
T	PC04-00046	T
U	PC04-00046	U
V	PC04-00046	V
W	PC04-00046	W
X	PC04-00046	X
Y	PC04-00046	Y
Z	PC04-00046	Z

FIRST USED ON OPTION / MODEL PC04	QTY.	DESCRIPTION	PART NO.	ITEM NO.
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES TOLERANCES DECIMALS FRACTIONS ANGLES ± .005 ± 1/64 ± 0°30' FINAL SURFACE QUALITY REMOVE BURRS AND BREAK SHARP CORNERS	DRN CHKD ENG PRD DATE DATE DATE DATE	DATE DATE DATE DATE	PARTS LIST digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS TITLE PC04 READER AND PUNCH	
MATERIAL + +	NEXT HIGHER ASSY A-M-L-PC04-0		SCALE NONE	REV. L
FINISH + +	SHEET 1 OF 3		DIST.	

Diagram of a mechanical assembly, possibly a valve or actuator, showing a handle (56) connected to a lever (55) and a piston rod (54) passing through a housing (53).

FIRST USED ON OPTION / MODEL		QTY.	DESCRIPTION	PART NO.	ITEM NO.
PC04			PARTS LIST		
UNLESS OTHERWISE SPECIFIED		DRN.	DATE	digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS	
UNLESS OTHERWISE SPECIFIED		CHD.	DATE		
DIMENSION IN INCHES		ENG.	DATE		
TOLERANCES		PRG. ENG.	DATE		
DECIMALS FRACTIONS ANGLES		PROD.	DATE		
± .005 ± 1/64 ± 30°				PC04 READER AND PUNCH	
FINAL SURFACE QUALITY					
REMOVE BURRS AND BREAK SHARP CORNERS					
MATERIAL		NEXT HIGHER ASSY			
		A-ML-PC04-0		SIZE CODE	
				NUMBER	
FINISH		SCALE NONE		REV. L	
		SHEET 2 OF 3		DIST. G	

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SCR DRIVER WIRE LIST

JUMPER CONNECTIONS

WIRE	COLOR	CONNECTION	REMARKS
HARN WIRE #9	RED	SCR T1	SEE NOTE 2
PUNCH MOT. LEAD	BLK/YEL	SCR T2	
SCR	WHT/BLU	AØ7B	
SCR	WHT/GRN	BØ1B	

PUNCH WIRE LIST

HARNESS CONNECTIONS

COLOR	WIRE NO.	LOCATION	REMARKS
BLK	5	PNCH SW2 TAB 5	SEE NOTE 1 SHEET 1
WHT	6	PNCH SW2 TAB 6	
RED	7	PNCH SW1 TAB 7	
RED	8	PNCH SW1 TAB 8	
RED	9	TS6	SEE NOTE 2 SHEET 1
GY/RED	8	DO NOT CONNECT	SEE NOTE 5
BLK	15	BØ8C (GND)	
WHT	16	BØ8U	

JUMPER CONNECTIONS

WIRE		CONNECTIONS			
ITEM NO.	COLOR	TYPE ITEM	FROM	TO	TYPE ITEM
27	WHT	28	SEE BELOW*	TS-7	28

*THIS END CONNECTS TO CAPACITOR ON PUNCH CHASSIS, ON TERMINAL WITH BLUE WIRE ATTACHED
AØ8H TO AØ8F ON MODELS BB,BC, RB ONLY REF SHEET #2 DBS-PCØ4 0-2

READER WIRE LIST

HARNESS CONNECTIONS

COLOR	WIRE NO.	LOCATION	REMARKS
YEL	1	RDR SW2 TAB 1	SEE NOTE 1 SHEET 1
WHT/BLK	2	RDR SW2 TAB 2	
WHT/YEL	3	RDR SW1 TAB 3	
BRN	4	RDR SW1 TAB 4	
YEL	11	AØ1V	
WHT/BLK	12	BØ7A (+5)	
WHT/YEL	13	AØ8F	
BRN	14	AØ2B(ON 7ØØ6286-Ø) AØ1B(ON 7ØØ6286-1)	
GY/RED	8	R9	

JUMPER CONNECTIONS

WIRE		CONNECTIONS			
ITEM NO.	COLOR	TYPE ITEM	FROM *	TO	TYPE ITEM
29	WHT/VIO	NONE	R1 & R2	TS-1	28
30	WHT/YEL	↑	R3 & R4	TS-2	28
31	WHT/ORN	↑	R5 & R6	TS-3	28
32	WHT/BRN	↑	R7 & R8	TS-4	28
33	VIO	↑	R1	B06R	NONE
33	VIO	↑	R2	B06S	↑
34	YEL	↑	R3	B05R	↑
34	YEL	↑	R4	B05S	↑
35	ORN	↑	R5	B04R	↑
35	ORN	↑	R6	B04S	↑
36	BRN	↓	R7	B03R	↓
36	BRN	NONE	R8	B03S	NONE

* FOR RESISTOR CONFIGURATION SEE VIEW A-A SHEET 2

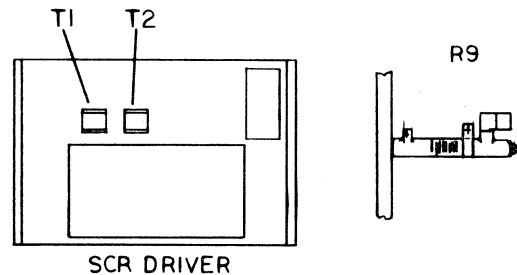
READER MOTOR CONNECTIONS

COLOR	FROM	TO	REMARKS
WHT/RED	RDR MOTOR	TS-1	
RED		TS-2	
WHT/GRN		TS-3	
GRN		TS-4	
WHT & BLK	RDR MOTOR	TS-5	

HARNESS CONNECTIONS

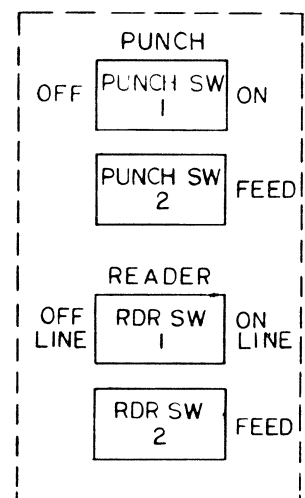
COLOR	WIRE NO.	LOCATION	REMARKS
BLK	27	GND LUG	LOGIC GND
GY/YEL	29	AØ8B	
BLU	31	BØ2D	
BLK	28	GND LUG	LOGIC GND
GY/RED	30	AØ8A	
GRN	32	BØ6V	

TS
1
2
3
4
5
6
7
8



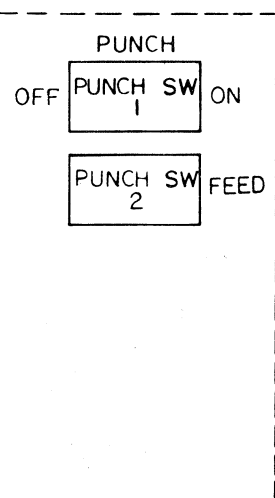
PCØ4-B,BABB,BC,BL,BM
54Ø831Ø-4

FRONT VIEW



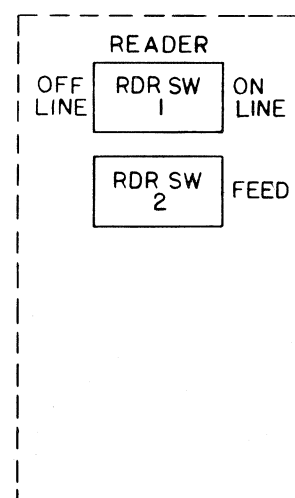
DETAIL "A"

PCØ4-P, PA, PL, PM
54Ø831Ø-2



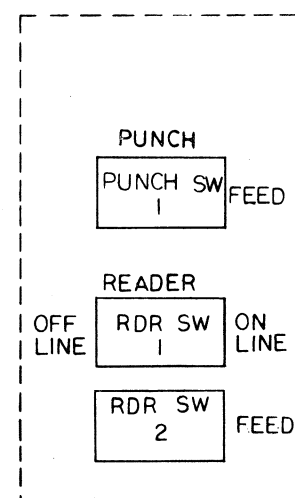
DETAIL "B"

PCØ4-R, RB
54Ø8935-Ø



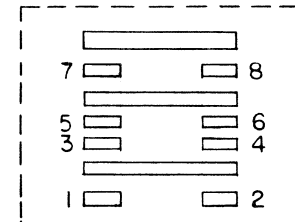
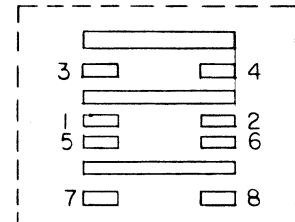
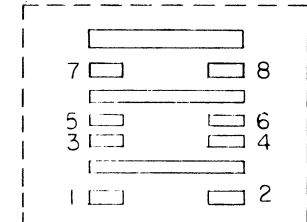
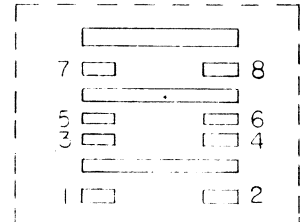
DETAIL "C"

PCØ4-C, CA
54Ø831Ø-3



DETAIL "D"

REAR VIEW



FIRST USED ON OPTION / MODEL PCØ4	QTY.	DESCRIPTION	PART NO.	ITEM NO.
UNLESS OTHERWISE SPECIFIED				
DIMENSION IN INCHES				
TOLERANCES				
DECIMALS	FRACTIONS	ANGLES		
± .005	± 1/64	± 0°30'		
FINAL SURFACE QUALITY				
REMOVE BURRS AND BREAK SHARP CORNERS				
MATERIAL	NEXT HIGHER ASSY			
FINISH	A-ML-PCØ4-Ø			
SCALE		NONE		REV.
SHEET		3 OF 3		L
DIST.		G		
PARTS LIST				
digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS				
TITLE PCØ4 READER AND PUNCH				
SIZE/CODE DUA		NUMBER PCØ4-Ø-Ø		REV. L

DIGITAL EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS				QUANTITY / VARIATION																							
PARTS LIST																											
MADE BY R. HUTNAK		CHECKED <i>R. Carvelli</i>		SECTION																							
DATE 4/10/69		DATE 6/5/69		1																							
ENG <i>Geo Beckman</i> 6/4/69		PROD <i>1</i>		ISSUED SECT.																							
DATE		DATE 6/6/69		1																							
ITEM NO.	DWG NO. / PART NO.	DESCRIPTION															PCØ4-B, BB	PCØ4-BA, BC	PCØ4-C	PCØ4-CA	PCØ4-P	PCØ4-PA	PCØ4-R, RB	PCØ4-BL	PCØ4-BM	PCØ4-PL	PCØ4-PM
1	D-AD-7006246-0-0	CHASSIS AND POWER SUPPLY ASSY															1	1	1	1	1	1	1	1	1	1	1
2	D-AD-7006248-1-0	PUNCH ASSY (60 CY)															1		1		1			1		1	
2	D-AD-7006248-2-0	PUNCH ASSY (50 CY)																1		1		1		1		1	
3	9006021-1	SCR, PHL PAN HD 6-32 x 5/16 LG SST															6	6	6	6	6	6	6	6	6	6	6
4	9006560	NUT, KEPS 6-32															2	2	2	2	2	2		2	2	2	2
5	9006070-1	SCR, PHL PAN HD 10-32 x 5/16 LG SST															2	2	2	2	2	2		2	2	2	2
6	1100106	THYRACITOR, PUNCH SW															1	1			1	1		1	1	1	1
7	9107278-3	18 AWG TEF TUBING RED															A/RA/R				A/RA/R		A/R	A/R	A/P	A/R	
8	D-AD-7006252-1-0	COVER ASSY (BASIC)															1	1						1	1		
8	D-AD-7006252-2-0	COVER ASSY (PUNCH)																			1	1				1	1
8	D-AD-7006252-3-0	COVER ASSY (READER)																					1				
8	D-AD-7006252-4-0	COVER ASSY (COMB)																	1	1							
9	9006021-2	SCR, PHL FH 6-32 x 5/16 LG SST															4	4	4	4	4	4	4	4	4	4	4
10	9006083-1	SCR, PHL PAN HD 10-32 x 2 1/2 LG SST															4	4	4	4			4	4	4		
11	C-MD-7405300-0-0	CHAD BOX															1	1	1	1	1	1		1	1	1	1
12	D-UA-7006247-0-0	READER ASSY															1	1	1	1			1	1	1		
13	E-AD-7006268-0-0	BUS BAR PCØ4 (8,9,10,81)															1	1	1	1	1	1	1				
14	9006022-1	SCR, PHL PAN HD 6-32 x 3/8 LG SST															3	3	3	3	3	3	3	3	3	3	3
15	9006633	WASHER, INT TOOTH #6															15	15	17	17	11	11	13	15	15	11	11
16	C-AD-5408385-0-0	SCR DRIVER ASSY																	1	1							
17	9006026-1	SCR, PHL PAN HD 6/32 x 3/4 LG SST																	2	2							
18	9006801	SPACER, 1/4 AF x 3/8 LG #6 HOLE																	2	2							
TITLE PCØ4 READER AND PUNCH		ASSY NO. D-UA-PCØ4-Ø-Ø		SIZE CODE A PL		NUMBER PCØ4-Ø-Ø				REV. K		ECO NO. PCØ4-000546															
SHEET 1 OF 3		DIST. 5																									

DIGITAL EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS				QUANTITY / VARIATION											
MADE BY R. HUTNAK		CHECKED <i>R. Carwell</i>		SECTION											
DATE 4/10/69		DATE 6/5/69		1											
ENG <i>Geo. Decker</i> 6/4/69		PROD <i>Geo. Decker</i>		ISSUED SECT.											
DATE		DATE		1											
ITEM NO.	DWG NO. / PART NO.	DESCRIPTION		PCØ4-B, BB	PCØ4-BA BC	PCØ4-C	PCØ4-CA	PCØ4-P	PCØ4-PA	PCØ4-R, RB	PCØ4-BL	PCØ4-BM	PCØ4-PL	PCØ4-PM	
19	C-IA-7006281-0-0	I/O CABLE ASSY		2	2	2	2	1	1	1					
20	C-AD-5408310-4-0	SWITCH ASSY		1	1						1	1			
20	C-AD-5408935-0-0	SWITCH ASSY						1	1	1			1	1	
20	C-AD-5408310-3-0	SWITCH ASSY				1	1								
21	D-MD-7407131-0-0	TAPE CONTAINER		1	1	1	1	1	1		1	1	1	1	
22	9006011-2	SCR, PHL FH 4-40 x 3/8 LG SST		2	2	2	2	2	2		2	2	2	2	
23	9006556	NUT, HEX 4-40		2	2	2	2	2	2	8	2	2	2	2	
24	9006632	WASHER, INT TOOTH #4		2	2	2	2	2	2	8	2	2	2	2	
25	9006635	WASHER, INT TOOTH #10		2	2	2	2	2	2	2	2	2	2	2	
26	1309896	RES, 25 OHM 40W ± 5%		8	8	8	8			8	8	8			
27	9107360-10	18 AWG STRD TEFLON WHT		A/R	A/R	A/R	A/R	A/R	A/R		A/R	A/R	A/R	A/R	
28	9007917	SOLDERLESS CONN		6	6	6	6	6	6	4	6	6	6	6	
29	9107400-8	22 AWG STRD TEFLON TRACER WHT/VIO		A/R	A/R	A/R	A/R			A/R	A/R	A/R	A/R	A/R	
30	9107400-5	22 AWG STRD TEFLON TRACER WHT/YEL		A/R	A/R	A/R	A/R			A/R	A/R	A/R	A/R	A/R	
31	9107400-4	22 AWG STRD TEFLON TRACER WHT/ORN		A/R	A/R	A/R	A/R			A/R	A/R	A/R	A/R	A/R	
32	9107400-2	22 AWG STRD TEFLON TRACER WHT/BRN		A/R	A/R	A/R	A/R			A/R	A/R	A/R	A/R	A/R	
33	9107470-8	24 AWG SOLID KYNAR VIO		A/R	A/R	A/R	A/R			A/R	A/R	A/R	A/R	A/R	
34	9107470-5	24 AWG SOLID KYNAR YEL		A/R	A/R	A/R	A/R			A/R	A/R	A/R	A/R	A/R	
35	9107470-3	24 AWG SOLID KYNAR ORN		A/R	A/R	A/R	A/R			A/R	A/R	A/R	A/R	A/R	
36	9107470-6	24 AWG SOLID KYNAR BRN		A/R	A/R	A/R	A/R			A/R	A/R	A/R	A/R	A/R	
27	9006043-1	SCR, PHL PAN HD 8-32 x 1" LG SST		1	1	1	1	1	1	1	1	1	1	1	
38	9006634	WASHER INT TOOTH #8		2	2	2	2	2	2	2	2	2	2	2	
TITLE		ASSY NO.		SIZE CODE		NUMBER				REV.		ECO NO.			
PCØ4 READER AND PUNCH		D-UA-PCØ4-Ø-Ø		A PL		PCØ4-Ø-Ø				K					
		SHEET 2 OF 3		DIST.											
DEC FORM NO. DRA 110															

(11)

DIGITAL EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS			QUANTITY / VARIATION														
PARTS LIST																	
MADE BY R. PUTNAK		CHECKED <i>R. Carwell</i>		SECTION													
DATE 4/10/69		DATE 6/5/69		1													
ENG <i>Geo R. Carwell</i>		PROD 1		ISSUED SECT.													
DATE 4/1/69		DATE		1													
ITEM NO.	DWG NO. / PART NO.	DESCRIPTION				PC04-B, BB	PC04-PA, BC	PC04-C	PC04-CA	PC04-P	PC04-PA	PC04-R, RB	PC04-BL	PC04-BM	PC04-PL	PC04-PM	
39	9006823	SPACER 3/8AF x 3/4 LG #8-32				1	1	1	1	1	1	1	1	1	1	1	
40	9006037-1	SCR, PHL, PAN HD 8-32 x 3/8 LG SST				1	1	1	1	1	1	1	1	1	1	1	
41	E-IA-7407438-0-0	POWER SUPPLY COVER				1	1	1	1	1	1	1	1	1	1	1	
42	9006024-1	SCR, PHL PAN HD 6-32 x 1/2 LG SST				4	4	4	4	4	4	4	4	4	4	4	
43	9006653	WASHER, FLAT #6 SST				14	14	14	14	10	10	12	14	14	10	10	
44	9008141	DECK NAME TAG				1	1	1	1	1	1	1	1	1	1	1	
45	9107252	WHITE SHRINKABLE TUBING								A/RA/R				A/R	A/R		
46	E-AD-7006268-1-0	BUS BAR PC04 (8L)											1	1	1	1	
47	DIA-7407067-1-0	I/O CABLE ASSY (8L)											1	1			
48	7006145-1	I/O CABLE ASSY (8L)													1	1	
49	9006664	WASHER #10 SST				24	24	24	24			24	24	24			
50	C-MD-7408091-0-0	BRK'T RESISTOR				1	1	1	1			1	1	1			
51	9006565	NUT KEP 10-32 SST				4	4	4	4			4	4	4			
52	9006635	INT TOOTH WASHER #10				4	4	4	4			4	4	4			
53	9007799-6	SCR, PHL, FILLISTER HEAD 8-32x1 1/2				1	1	1	1	1	1	1	1	1	1	1	
54	1209850	UNIVERSAL RETAINER				1	1	1	1	1	1	1	1	1	1	1	
55	C-IA-7405642-0-0	SCR MODULE RETAINER				1	1	1	1	1	1	1	1	1	1	1	
56	C-IA-7408339-7-0	HOLD DOWN BAR(6")				1	1	1	1	1	1	1	1	1	1	1	
TITLE		ASSY NO.		SIZE	CODE	NUMBER				REV.	ECO NO.						
PC04READER AND PUNCH		D-UA-PC04-0-0		A	PL	PC04-0-0				K							
		SHEET 3 OF 3		DIST.													

(12)

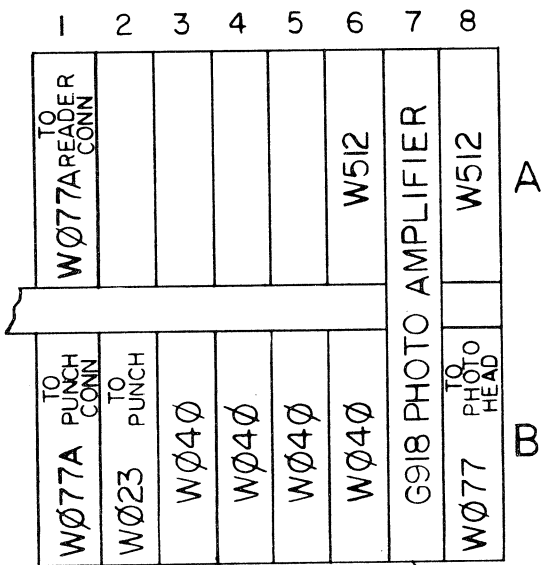
DEC FORM NO.
DRA 110

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MODEL	MODULE LIST	FIG
PCØ4-B, BA, C, CA	A1, A6, A7, A8, B1-B6, B8	1
PCØ4-P & PA	B1, B2	
PCØ4-R	A1, A6, A7, A8, B3-B6, B8	
PCØ4-BB & BC	A2, A7, B1 THROUGH, B8	2
PCØ4-RB	A2, A7, B3 THROUGH B8	
PCØ4-BL & BM	A1, A3-A5, A7, B1-B8	3
PCØ4-PL & PM	A3-A5, B1, B2	

NOTE 1. G918 REVISION MUST BE "B" CIRCUIT, "D" ETCH OR HIGHER.

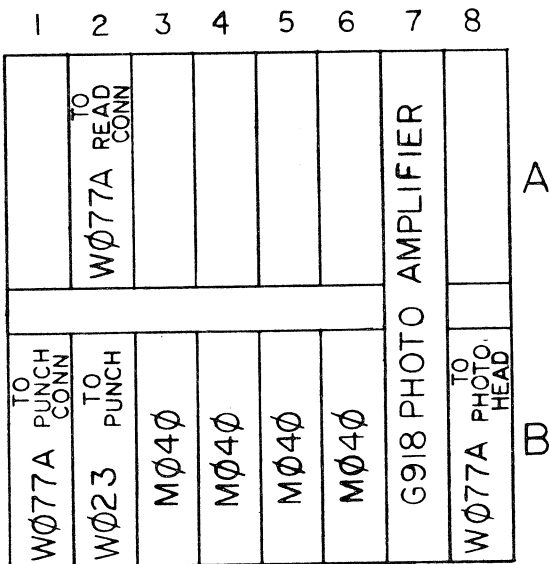
FIG 1



SEE NOTE 1

(PDP 8, 8S
7ØØ6268-Ø)

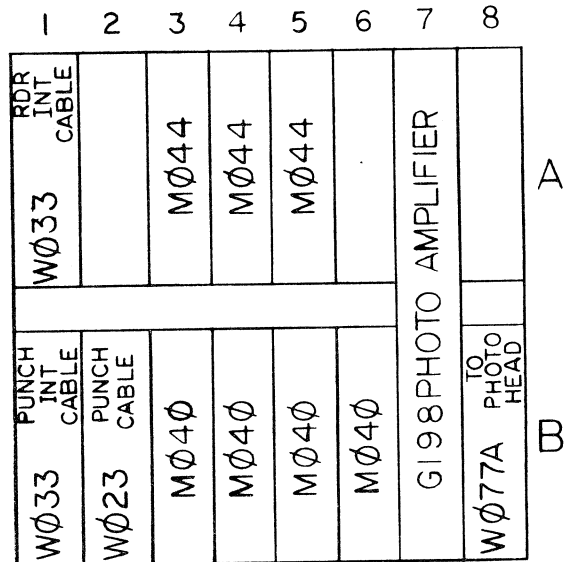
FIG 2



SEE NOTE 1

(PDP 8I
7ØØ6268-Ø)

FIG 3



SEE NOTE 1

(PDP 8L, 8E
7ØØ6268-1)

16

A

REV.	CHANGE NO.	REV.
A	PCØ4-00006	A
7-1-69		
BECKNER		
7-17-69		
B	PCØ4-00046	B
3-11-71		
M. LEIS		
3-17-71		

DEC FORM NO.
DRC 100

FIRST USED ON OPTION/MODEL PCØ4	QTY.	DESCRIPTION	PART NO.	ITEM NO.
UNLESS OTHERWISE SPECIFIED				
DIMENSION IN INCHES				
TOLERANCES				
DECIMALS FRACTIONS ANGLES				
± .005 ± 1/64 ± 0°30'				
FINAL SURFACE QUALITY				
REMOVE BURRS AND BREAK SHARP CORNERS				
MATERIAL				
FINISH				
NEXT HIGHER ASSY.				
A-ML-PCØ4-Ø				
SCALE				
SHEET 1 OF 1				
DATE 4/18/69				
DATE 6/15/69				
DATE 6/16/69				
DATE 6/16/69				
DATE 6/16/69				
digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS				
TITLE MODULE UTILIZATION LIST PCØ4				
SIZE CODE CMU				
NUMBER PCØ4-Ø-3				
REV. B				

DIGITAL EQUIPMENT CORPORATION

MAYNARD, MASSACHUSETTS

PARTS LIST

MADE BY	ROBERT HUTNAK	CHECKED	<i>Carwell</i>	SECTION
DATE	2/20/69	DATE	5/5/69	1
ENG	<i>Joe Beckner</i>	PROD	<i>Phyllis</i>	ISSUED SECT.
DATE	4/4/67	DATE	6/6/67	1

[illegible][illegible]

TITLE PC04 BUS BAR	ASSY NO. E-AD-7006268-0-0	SIZE A	CODE PL	NUMBER 7006268-0-0				REV. D	ECO NO. PC04-00046
	SHEET 1 OF 1	DIST.	5						

(20) DEC FORM NO.
DRA 110

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DIGITAL EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS

ENGINEERING SPECIFICATION

DATE 11/11/69

TITLE PC04 Engineering Specification

REVISIONS

REV	DESCRIPTION	CHG NO	ORIG	DATE	APPD BY	DATE
A		PC04-00046	M. LEIS		M	3-17-71

General Information:

The PC04 comes in eight (8) configurations. They are the PC04P, PL (basic punch), PC04R, RB (basic reader), PC04B, BB, BL, (punch and reader), and PC04C (punch, SCR, and reader). The 50 cycle variations are PC04PA, PM; PC04BA, BC, BM, and PC04CA with no variation in PC04R and RB. Table 1-1 gives the block schematic references, UML, interface cables, and the applicable computers.

Logic Levels: Negative Logic Systems
Logic 1 is -3.2v to -3.9 volts
Logic 0 is 0v to -0.3 volts

Logic Levels: Positive Logic Systems

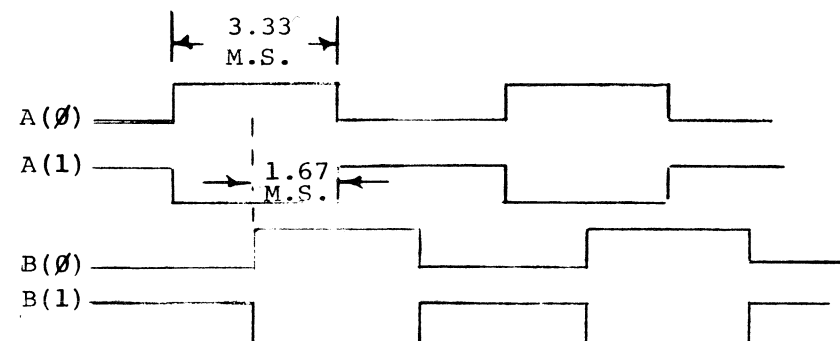
	Outputs	Inputs
Logic 1 is	>+2.4v	>+2.0v
Logic 0	<+0.4v	<+0.8v

Reader Signals:

Reference drawing BS-D-PC04-0-2

(1) A(0), A(1), B(0), and B(1) are the signals used to drive the stepping motors via the four solenoid drivers.

The timing chart and graph for these signals would be:



(21) ENG Charles A. Jones APPD: [Signature] SIZE A CODE SP NUMBER PC04-0-4 REV A

DEC FORM NO.
DRA 107

SHEET 1 OF 7

000000

CONTINUATION SHEET

TITLE PC04 Engineering Specification

(2) Power (1) serves the function of supplying only half current to the stepping motor when the motor is stopped. This signal is 0 volts when the motor is stopped and -3 volts when the motor is active for negative logic systems and >+2.0 volts when motor is active and <+0.8 v when the motor is stopped for positive logic systems.

(3) The reader feed switch is simply an off line means of moving tape through the reader. A ground level performs this function.

(4) The reader on/off line switch allows the operator to disable the unit from reading by putting the switch in the off-line position.

(5) The reader on/off line switch is open whenever the reader is off line, and is >2.4V when the reader is on line.

(6) Data Output Lines:

	Hole	No Hole
Negative Systems	-3 volts	0 volts
Positive Systems	+2.4 volts	0 volts

Punch Signals:

Refer to drawing BS-D-PC04-0-2

(1) The interface signal used to turn on the punch motor with an SCR driver option is Gnd when active and open or -3v when inactive.

(2) The -36 volt is supplied to the solenoid coils on the punch motor and also to the solenoid drivers at the external control.

(3) Punch sync is the signal generated from the sync timing wheel on the punch. Equally spaced (in time) positive and negative pulses (one each) for each shaft revolution is generated on this line.

(4) Forward tape and punch feed hole: A ground level for 10 msec. $\pm 10\%$ will punch feed hole and then advance the tape forward in preparation for another cycle for all configurations except PC04PL and BL when the solenoid drivers are activated by a >+2.0v signal.

DEC FORM NO
DRA 108A

SHEET 2 OF 7

digital CONTINUATION SHEET				
TITLE PC04 Engineering Specification				
(5) The eight data holes also require a 10 msec. level to activate the punches. (6) Out-of-tape signal is generated from a micro-switch on the punch. It is at ground when the punch is out-of-tape. (7) Punch feed switch is used to manually feed tape through the punch. (8) The -3 volt or +5v supply is a bias on the punch sync coil. (9) The punch on/off power switch is used in the options not using the SCR driver. It simply supplies 115 volts to the punch motor. <u>Power Supply</u> (1) Regulated +5 volts $\pm .25$ volts (2) Regulated -15 volts ± 1.0 volt (3) -36 volts ± 4 volts <u>Power Requirements</u> Unit will run at 50 or 60 cycles, 115 volts $\pm 10\%$. 2.5 AMPS run 4 AMPS surge <u>Reader</u> (a) Temperature (1) 55° - 110°F operating, 10° - 150°F non-operating (b) Humidity (1) 20% - 95% w/o condensation operating; 5% - 95% w/o condensation non-operating. (c) Speed (1) 300 - 310 characters/second full speed. (2) 20 - 26 character/second single character rate. (d) Type of tape (1) non-oil (less than 12% transmissivity) (e) Tape Life: Acceleration de-accelerate type operation = 30,000 cycles.				
		SIZE A	CODE SP	NUMBER PC04-0-4
				REV A

digital CONTINUATION SHEET				
TITLE PC04 Engineering Specification				
<u>Punch</u> (a) Temperature (1) 55° - 110°F operating; 10° - 150°F non-operating (b) Humidity (1) 20% - 95% w/o condensation - operating (2) 5% - 95% w/o condensation - non-operating (c) Tension of tape supply (1) Not to exceed 6 ounces (d) Speed (1) 50 characters/second $\pm 5\%$ <u>Margins</u> +5v is +5v $\pm .5v$ -15v is -15v $\pm 20\%$ -30v is -36v $\pm 15\%$				
		SIZE A	CODE SP	NUMBER PC04-0-4
				REV A

CONTINUATION SHEET					
TITLE PCØ4 Engineering Specification					
TABLE 1-1 PCØ4 Configuration					
CONFIGURATION	REFERENCE BLOCK SCHEMATICS	PUNCH MODULES	INTERFACE CABLES	READER MODULES	APPLICABLE COMPUTERS
PCØ4P	D/BS/PCØ4-0-2 Page 1 of 3	None	1-W077A	N/A	PDP8; PDP8/S; PDP8/I
PCØ4PL	D/BS/PCØ4-0-2 Page 3 of 3	3-M044	1-W033A	N/A	PDP8/L; PDP8E
PCØ4R	D/BS/PCØ4-0-2 Page 1 of 3	N/A	1-W077A	1-G918 4-W040 2-W512	PDP8; PDP8/S
PCØ4RB	D/BS/PCØ4-0-2 Pages 2 and 3 of 3	N/A	1-W077A	1-G918 4-M040	PDP8/I; PDP8/L PDP8/E
PCØ4B	D/BS/PCØ4-0-2 Page 1 of 3	None	2-W077A	1-G918 4-W040 2-W512	PDP8; PDP8/S
PCØ4BB	D/BS/PCØ4-0-2 Page 2 of 3	None	2-W077A	1-G918 4-M040	PDP8/I
PCØ4BL	D/BS/PCØ4-0-2 Page 3 of 3	3-M044	2-W033C	1-G918 4-M040	PDP8/L PDP8/E
PCØ4C	D/BS/PCØ4-0-2 Page 1 of 3	None	2-W077A	1-G918 4-W040 2-W512	PDP9; PDP1Ø
SIZE A CODE SP NUMBER PCO-0-4 REV A					

CONTINUATION SHEET																																												
TITLE PCØ4 Engineering Specification - Test Procedure for reader																																												
1. Do not apply power until the following checks are made. a. Logic block empty. b. AØ1A, AØ2A, AØ1B, AØ2B, BØ1A, and BØ2A are bare (no wiring or bussing). c. BØ1B and BØ2B should be bussed together without any wires on them except for the PCØ4C configuration when a white/green wire will be on BØ1B. d. Remove reader lamp. e. Check caps for proper polarity in wiring. f. Put ohmmeter on X100 scale and check regulator board tabs 1 thru 5 and 7 for lack of short to ground. Tabs 6 and 8 should indicate a short to ground. g. Check fuses for proper rating. Also, should be slo/blo. h. Check for continuity between reader lamp ground slot and chassis ground. i. Check the following wires for proper connection. <table><tr><td>Color</td><td>Location</td><td>Color</td><td>Location</td></tr><tr><td>+black (str)</td><td>BØ8C</td><td>*wh/blue</td><td>AØ7B</td></tr><tr><td>#wh/black (str)</td><td>BØ7C</td><td>*wh/green</td><td>BØ1B</td></tr><tr><td>#brown (str)</td><td>AØ2B AØ1B</td><td>#brown (solid)</td><td>BØ3R, S</td></tr><tr><td>#yellow (str)</td><td>AØ1V</td><td>#orange (solid)</td><td>BØ4R, S</td></tr><tr><td>#wh/yellow (str)</td><td>AØ8F</td><td>#yellow (solid)</td><td>BØ5R, S</td></tr><tr><td>+white (str)</td><td>BØ1U</td><td>#violet (solid)</td><td>BØ6R, S</td></tr><tr><td>grey/red (str)</td><td>AØ8A</td><td>+punch configurations</td><td></td></tr><tr><td>grey/yellow (str)</td><td>AØ8B</td><td>*only on PCØ4C configuration</td><td></td></tr><tr><td>blue (str)</td><td>BØ6V</td><td>#reader configurations</td><td></td></tr></table> j. Put reader lamp back in position making sure that the tension on the lamp is sufficient for good contact. 2. Apply AC power to the unit and check. a. +5 volts on AØ8A and BØ8A (+5 volts $\pm$.25 volts)					Color	Location	Color	Location	+black (str)	BØ8C	*wh/blue	AØ7B	#wh/black (str)	BØ7C	*wh/green	BØ1B	#brown (str)	AØ2B AØ1B	#brown (solid)	BØ3R, S	#yellow (str)	AØ1V	#orange (solid)	BØ4R, S	#wh/yellow (str)	AØ8F	#yellow (solid)	BØ5R, S	+white (str)	BØ1U	#violet (solid)	BØ6R, S	grey/red (str)	AØ8A	+punch configurations		grey/yellow (str)	AØ8B	*only on PCØ4C configuration		blue (str)	BØ6V	#reader configurations	
Color	Location	Color	Location																																									
+black (str)	BØ8C	*wh/blue	AØ7B																																									
#wh/black (str)	BØ7C	*wh/green	BØ1B																																									
#brown (str)	AØ2B AØ1B	#brown (solid)	BØ3R, S																																									
#yellow (str)	AØ1V	#orange (solid)	BØ4R, S																																									
#wh/yellow (str)	AØ8F	#yellow (solid)	BØ5R, S																																									
+white (str)	BØ1U	#violet (solid)	BØ6R, S																																									
grey/red (str)	AØ8A	+punch configurations																																										
grey/yellow (str)	AØ8B	*only on PCØ4C configuration																																										
blue (str)	BØ6V	#reader configurations																																										
SIZE A CODE SP NUMBER PCO4-0-4 REV A																																												

ENGINEERING SPECIFICATION		CONTINUATION SHEET	
TITLE PC04 Engineering Specification - Test Procedure for Reader			
B. -15 volts on A08B and B08B (± 1 volts). C. -30 volts on B06V and B02D (-30 to -40 volts). 3. Shut power off and insert modules for PC04. 4. Apply power and make same check as in 2. 5. Put cap. (6.8uf, 10-5306) between pins A03A (+) and A03C (-) and between pins B03C (+) and B03B (-).			
SIZE A		CODE	NUMBER PC04-0-4
			REV A

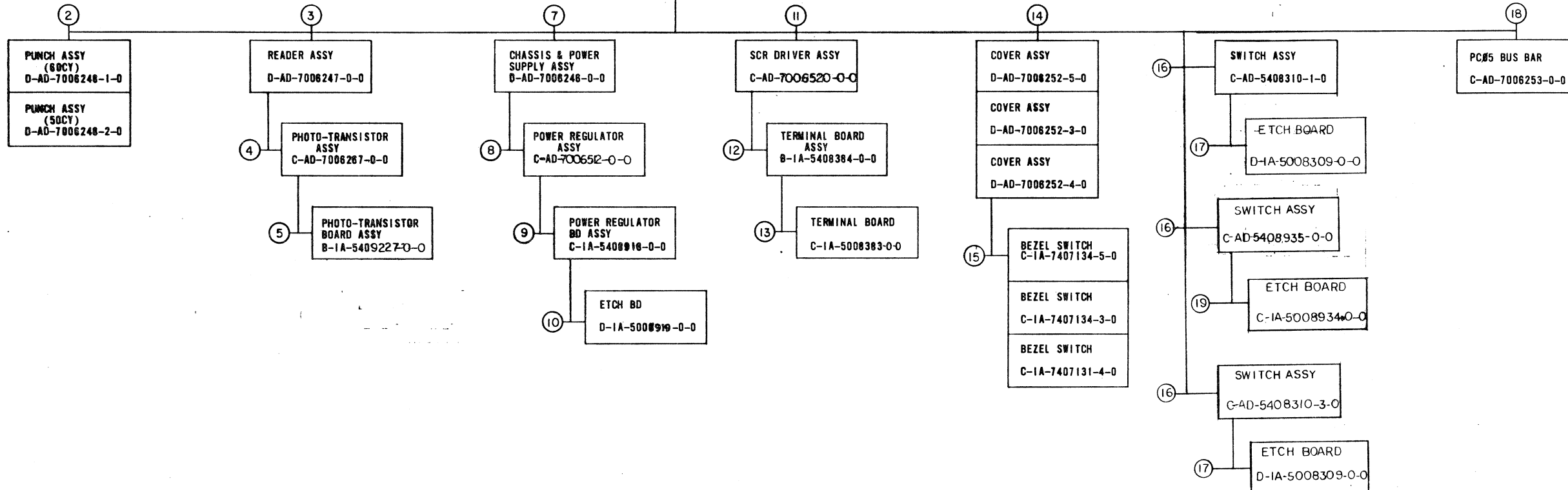
(24)

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MODEL	DESCRIPTION	CY	COMPOSITION																
			FIND NUMBER																
			2	3	4	5	7	8	9	10	11	12	13	14	15	16	17	18	19
PC05-C	PUNCH, READER, DRIVER	60	-1	X	X	X	X	X	X	X	X	X	X	-4	-4	-3	X	X	
PC05-CA	PUNCH, READER, DRIVER	50	-2	X	X	X	X	X	X	X	X	X	X	-4	-4	-3	X	X	
PC05-P	PUNCH, DRIVER	80	-1				X	X	X	X	X	X	X	-5	-5	-1	X	X	
PC05-PA	PUNCH, DRIVER	50	-2				X	X	X	X	X	X	X	-5	-5	-1	X	X	
PC05-R	READER	X		X	X	X	X	X	X	X				-3	-3	-0		X	X

NOTES:

1 THE KEY TO SYMBOLS IN THE FIND NO. COLUMNS IN FIND BLOCK 1 IS:
AN "X" MEANS THE ASSY IS USED.
A BLANK SPACE MEANS THE ASSY IS NOT USED.
A DASH AND NUMBER (-1-2 ETC) MEANS THE ASSY IS USED AND THAT VARIATION OF THE ASSY HAVING THAT PARTICULAR DASH NUMBER AS PART OF ITS DWG. NUMBER IS USED
EXAMPLE:
A READER MODEL FROM FIND COLUMN 14 USES A (-3) OR A D-AD-7006252-3-0 COVER ASSY.



UNIT ASSY. DWG. NO. D-UA-PC05-0-0

CHK	CHANGE NO.	REV	DATE	BY	APP	DESCRIPTION
1	1	A	1/1/69	G. BECKNER		PC05-00001
2	2	B	2/1/69	G. BECKNER		PC05-00002
3	3	C	3/1/69	G. BECKNER		PC05-00003
4	4	D	4/1/69	G. BECKNER		PC05-00004
5	5	E	5/1/69	G. BECKNER		PC05-00005
6	6	F	6/1/69	G. BECKNER		PC05-00006
7	7	G	7/1/69	G. BECKNER		PC05-00007
8	8	H	8/1/69	G. BECKNER		PC05-00008
9	9	I	9/1/69	G. BECKNER		PC05-00009
10	10	J	10/1/69	G. BECKNER		PC05-00010
11	11	K	11/1/69	G. BECKNER		PC05-00011
12	12	L	12/1/69	G. BECKNER		PC05-00012
13	13	M	13/1/69	G. BECKNER		PC05-00013
14	14	N	14/1/69	G. BECKNER		PC05-00014
15	15	O	15/1/69	G. BECKNER		PC05-00015
16	16	P	16/1/69	G. BECKNER		PC05-00016
17	17	Q	17/1/69	G. BECKNER		PC05-00017
18	18	R	18/1/69	G. BECKNER		PC05-00018
19	19	S	19/1/69	G. BECKNER		PC05-00019
20	20	T	20/1/69	G. BECKNER		PC05-00020
21	21	U	21/1/69	G. BECKNER		PC05-00021
22	22	V	22/1/69	G. BECKNER		PC05-00022
23	23	W	23/1/69	G. BECKNER		PC05-00023
24	24	X	24/1/69	G. BECKNER		PC05-00024
25	25	Y	25/1/69	G. BECKNER		PC05-00025
26	26	Z	26/1/69	G. BECKNER		PC05-00026
27	27	A	27/1/69	G. BECKNER		PC05-00027
28	28	B	28/1/69	G. BECKNER		PC05-00028
29	29	C	29/1/69	G. BECKNER		PC05-00029
30	30	D	30/1/69	G. BECKNER		PC05-00030
31	31	E	31/1/69	G. BECKNER		PC05-00031
32	32	F	32/1/69	G. BECKNER		PC05-00032
33	33	G	33/1/69	G. BECKNER		PC05-00033
34	34	H	34/1/69	G. BECKNER		PC05-00034
35	35	I	35/1/69	G. BECKNER		PC05-00035
36	36	J	36/1/69	G. BECKNER		PC05-00036
37	37	K	37/1/69	G. BECKNER		PC05-00037
38	38	L	38/1/69	G. BECKNER		PC05-00038
39	39	M	39/1/69	G. BECKNER		PC05-00039
40	40	N	40/1/69	G. BECKNER		PC05-00040
41	41	O	41/1/69	G. BECKNER		PC05-00041
42	42	P	42/1/69	G. BECKNER		PC05-00042
43	43	Q	43/1/69	G. BECKNER		PC05-00043
44	44	R	44/1/69	G. BECKNER		PC05-00044
45	45	S	45/1/69	G. BECKNER		PC05-00045
46	46	T	46/1/69	G. BECKNER		PC05-00046
47	47	U	47/1/69	G. BECKNER		PC05-00047
48	48	V	48/1/69	G. BECKNER		PC05-00048
49	49	W	49/1/69	G. BECKNER		PC05-00049
50	50	X	50/1/69	G. BECKNER		PC05-00050
51	51	Y	51/1/69	G. BECKNER		PC05-00051
52	52	Z	52/1/69	G. BECKNER		PC05-00052
53	53	A	53/1/69	G. BECKNER		PC05-00053
54	54	B	54/1/69	G. BECKNER		PC05-00054
55	55	C	55/1/69	G. BECKNER		PC05-00055
56	56	D	56/1/69	G. BECKNER		PC05-00056
57	57	E	57/1/69	G. BECKNER		PC05-00057
58	58	F	58/1/69	G. BECKNER		PC05-00058
59	59	G	59/1/69	G. BECKNER		PC05-00059
60	60	H	60/1/69	G. BECKNER		PC05-00060
61	61	I	61/1/69	G. BECKNER		PC05-00061
62	62	J	62/1/69	G. BECKNER		PC05-00062
63	63	K	63/1/69	G. BECKNER		PC05-00063
64	64	L	64/1/69	G. BECKNER		PC05-00064
65	65	M	65/1/69	G. BECKNER		PC05-00065
66	66	N	66/1/69	G. BECKNER		PC05-00066
67	67	O	67/1/69	G. BECKNER		PC05-00067
68	68	P	68/1/69	G. BECKNER		PC05-00068
69	69	Q	69/1/69	G. BECKNER		PC05-00069
70	70	R	70/1/69	G. BECKNER		PC05-00070
71	71	S	71/1/69	G. BECKNER		PC05-00071
72	72	T	72/1/69	G. BECKNER		PC05-00072
73	73	U	73/1/69	G. BECKNER		PC05-00073
74	74	V	74/1/69	G. BECKNER		PC05-00074
75	75	W	75/1/69	G. BECKNER		PC05-00075
76	76	X	76/1/69	G. BECKNER		PC05-00076
77	77	Y	77/1/69	G. BECKNER		PC05-00077
78	78	Z	78/1/69	G. BECKNER		PC05-00078
79	79	A	79/1/69	G. BECKNER		PC05-00079
80	80	B	80/1/69	G. BECKNER		PC05-00080
81	81	C	81/1/69	G. BECKNER		PC05-00081
82	82	D	82/1/69	G. BECKNER		PC05-00082
83	83	E	83/1/69	G. BECKNER		PC05-00083
84	84	F	84/1/69	G. BECKNER		PC05-00084
85	85	G	85/1/69	G. BECKNER		PC05-00085
86	86	H	86/1/69	G. BECKNER		PC05-00086
87	87	I	87/1/69	G. BECKNER		PC05-00087
88	88	J	88/1/69	G. BECKNER		PC05-00088
89	89	K	89/1/69	G. BECKNER		PC05-00089
90	90	L	90/1/69	G. BECKNER		PC05-00090
91	91	M	91/1/69	G. BECKNER		PC05-00091
92	92	N	92/1/69	G. BECKNER		PC05-00092
93	93	O	93/1/69	G. BECKNER		PC05-00093
94	94	P	94/1/69	G. BECKNER		PC05-00094
95	95	Q	95/1/69	G. BECKNER		PC05-00095
96	96	R	96/1/69	G. BECKNER		PC05-00096
97	97	S	97/1/69	G. BECKNER		PC05-00097
98	98	T	98/1/69	G. BECKNER		PC05-00098
99	99	U	99/1/69	G. BECKNER		PC05-00099
100	100	V	100/1/69	G. BECKNER		PC05-00100

FIRST USED ON OPTION/MODEL
PC05

DO NOT SCALE DRAWING UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES TOLERANCES DECIMALS FRACTIONS ANGLES ± .005 ± 1/64 ± 0°30' FINAL SURFACE QUALITY REMOVE BURRS AND BREAK SHARP CORNERS	MATERIAL FINISH
--	--------------------

QTY.	DESCRIPTION	PART NO.	ITEM NO.
PARTS LIST			
digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS			
DRAWING INDEX LIST PC05			
NEXT HIGHER ASSY A ML-PC05-0			
SCALE SHEET 1 OF 2			
DIST. 16			

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without written permission.

MECHANICAL			DEPT USAGE			MECHANICAL			DEPT USAGE			MECHANICAL			DEPT USAGE			ELECTRICAL			DEPT USAGE		
FIND NO.	DESCRIPTION	PART NO.	PROD	CUST	F/C	FIND NO.	DESCRIPTION	PART NO.	PROD	CUST	F/C	FIND NO.	DESCRIPTION	PART NO.	PROD	CUST	F/C	FIND NO.	DESCRIPTION	PART NO.	PROD	CUST	F/C
1	PC05- READER PUNCH.	D-1A-PC05-0-0				4	PHOTO TRANSISTOR ASSY	C-1A-7006267-0-0				16	SWITCH ASSY SWITCH ASSY SWITCH ASSY SWITCH ASSY (PL) BAR SPACER SW.BD.	C-AD-5406310-1-0 C-AD-5408315-0-0 C-AD-5406310-3-0 A-PI-5408310-0-0 B-MD-7407175-0-0				1	TAPE TAPL PUNCH, READER SCR PC05-CA READER & PUNCH & DRIVER PC05-FA PUNCH PC05-FA PUNCH PC05-R POWER & CONTROL SCHEMATIC DIAGRAM MODULE UTILIZATION MODULE UTILIZATION (PL) SET UP PROCEDURE	A-ML-PC05-0 A-ML-PC05-0A A-ML-PC05-0P A-ML-PC05-0A A-ML-PC05-0A D-BB-PC05-0-4 C-MU-PC05-3 A-PL-PC05-3 A-SP-PC05-0-0			
2	PC05 READER & PUNCH (PL) CHAD BOX TAPE CONTAINER BRKT. RESISTOR POWER SUPPLY COVER SCR MODULE RETAINER HOLD DOWN BAR PACKAGING INSTRUCTION PC0 READER & PUNCH PUNCH ASSY (60 CY) PUNCH ASSY (50 CY) PUNCH ASSY (PL) CHAD TUBE PUNCH MTG CHASSIS HINGE SHIELD PUNCH CONTACTS TAPE DEPRESSOR PIN PULLY (60CY) PULLY (50CY) PAPER TAPE PUNCH FEED BRKT TAPE CHUTE TORSION SPRING	A-PL-PC05-0-0 B-MD-7405300-0-0 D-MD-7407131-0-0 C-MD-7408091-0-0 E-1A-7407438-0-0 C-1A-7405642-0-0 C-1A-7408334-7-0 A-PI-3700024-0-0 D-AD-7006248-1-0 D-AD-7006248-2-0 A-PL-7006248-0-0 B-MD-7407386-0-0 D-1A-7407071-0-0 B-MD-7407063-0-0 B-MD-7407132-0-0 C-SC-1209915-0-0 B-MD-7408172-0-0 B-MD-7406089-1-0 B-MD-7406089-2-0 D-MD-7408088-0-0 D-1A-7408171-0-0 C-SC-1209924-0-0				5	PHOTO TRANSISTOR BD ASSY	B-1A-5409227-0-0				17	PC0 SWITCH BOARD FLIP CHIP MODULE	D-1A-5008309-0-0 D-MD-1402230-0-0				7	CHASSIS & POWER SUPPLY ASSY	D-AD-7006246-0-0			
3	READER ASSY READER ASSY (PL) TAPE PATH GUIDE READER PLATE BLOCK READER SHAFT READER PLATE ARM, SPRING SPRING, BULB DEPRESSOR TAPE BRKT TAPE HOLD DOWN SLO SYN MOTOR REWORK SHIM LENS	D-AD-7006247-0-0 A-PL-7006247-0-0 D-MD-7407076-0-0 D-MD-7407085-0-0 B-MD-7407119-0-0 B-MD-7407120-0-0 B-MD-7407118-0-0 A-MD-7407118-0-0 C-MD-7407121-0-0 C-MD-7407144-0-0 B-1A-7407684-0-0 B-MD-7407800-0-0 B-MD-7404989-0-0				7	CHASSIS & POWER SUPPLY ASSY CHASSIS & POWER SUPPLY (PL) PANEL FRONT BRKT MTG BAR RIGHT HAND BRKT MTG BAR LEFT HAND CHASSIS COVER, JONES STRIP HARNESS, CONTROL HARNESS I/O 110 VAC HARNESS POWER SUPPLY DECAL (PC04)	D-AD-7006246-0-0 A-PL-7006246-0-0 D-1A-7407075-0-0 C-MD-7407065-1-0 C-MD-7407065-2-0 E-1A-7407074-0-0 C-MD-5309640-0-0 D-1A-7006311-0-0 D-1A-7006310-0-0 D-1A-7006309-0-0 A-DC-7407476-0-0				18	PC05 BUS BAR MTG. BAR (6 IN.)	C-AD-7006253-0-0 B-1A-7407077-0-0				11	SCREW DRIVER ASSY CIRCUIT SCHEMATIC	C-AD-7006520-0-0 E-CS-7006520-0-1			
						8	PWR REGULATOR ASSY PWR REGULATOR (PL) HEATSINK, PWR REGULATOR CIRCUIT SCHEMATIC	C-AD-7006512-0-0 A-PL-7006512-0-0 C-MD-7407069-0-0 B-CS-5408308-0-1				19	PR SWITCH BOARD	D-1A-5008934-0-0				18	BUS BAR (PC05)	C-AD-7006253-0-0			
						9	PWR REGULATOR BOARD ASSY	C-1A-5408918-0-0										8	PWR REGULATOR ASSY CIRCUIT SCHEMATIC	C-AD-7006512-0-0 B-CS-5408918-0-1			
						10	ETCH BOARD	D-1A-5008919-0-0															
						11	SCR DRIVER ASSY SCR DRIVER ASSY (PL) SCR DRIVER CHASSIS	C-AD-7006520-0-0 A-PL-7006520-0-0 C-1A-7407070-0-0															
						12	TERMINAL BD ASSY	B-1A-5408384-0-0															
						13	TERMINAL BOARD	C-1A-5008383-0-0															
						14	COVER ASSEMBLY COVER ASSEMBLY COVER ASSEMBLY COVER ASSEMBLY (PL) COVER, PC0 (BASIC & COMB) COVER, PC0 (PUNCH) COVER, PC0 (READER) BEZEL PC0 SHIM, BEZEL	D-AD-7006252-3-0 D-AD-7006252-4-0 D-AD-7006252-5-0 A-PL-7006252-0-0 E-SC-1209396-2-0 E-SC-1209396-4-0 E-SC-1209396-6-0 D-MD-7407099-0-0 C-MD-7407849-0-0															
						15	BEZEL SWITCH SILK SCREEN BEZEL SWITCH SILK SCREEN BEZEL SWITCH SILK SCREEN	C-1A-7407134-5-0 A-SS-7407134-5-1 C-1A-7407134-3-0 A-SS-7407134-2-0 C-1A-7407134-4-0 A-SS-7407134-4-1															

QTY.		DESCRIPTION		PART NO.		ITEM NO.
PARTS LIST						
FIRST USED ON OPTION / MODEL						
DO NOT SCALE DRAWING						
DATE						
EQUIPMENT						

FIRST USED ON OPTION/MODEL
PC05

DO NOT SCALE DRAWING UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES TOLERANCES DECIMALS FRACTIONS ANGLES ± .005 ± 1/64 ± 0°30' FINAL SURFACE QUALITY REMOVE BURRS AND BREAK SHARP CORNERS	DRN CHK'D ENG PROJ. ENG. PROD. NEXT HIGHER ASSY A-ML-PC05-0	DATE 6/9/69 DATE 6/24/69 DATE 7/1/69 DATE 7/1/69 DATE 7/2/69	TITLE DRAWING INDEX LIST PC05	SIZE CODE DPI PC05-0-1	NUMBER U
MATERIAL FINISH	SCALE SHEET 2 OF 2	DIST.			

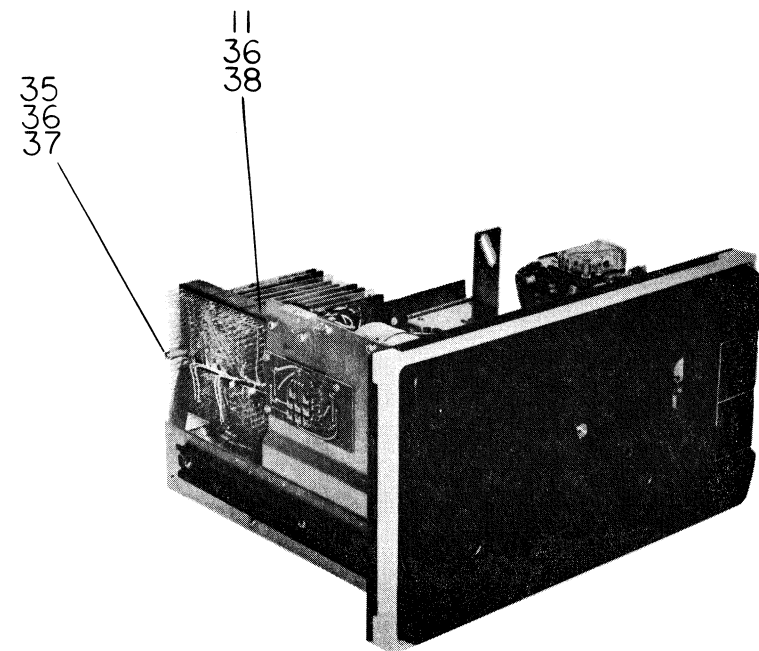
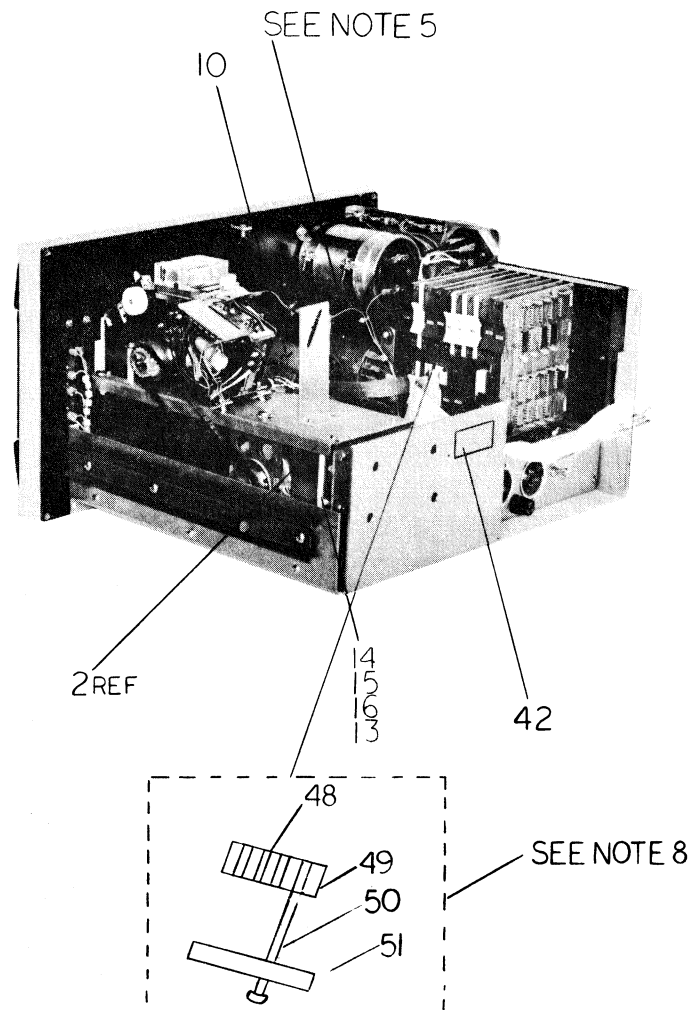
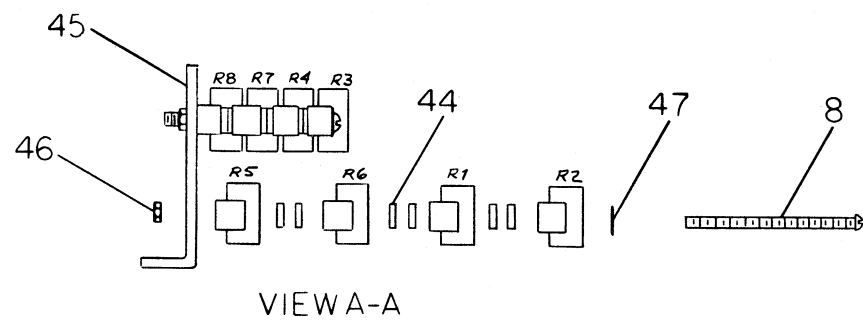
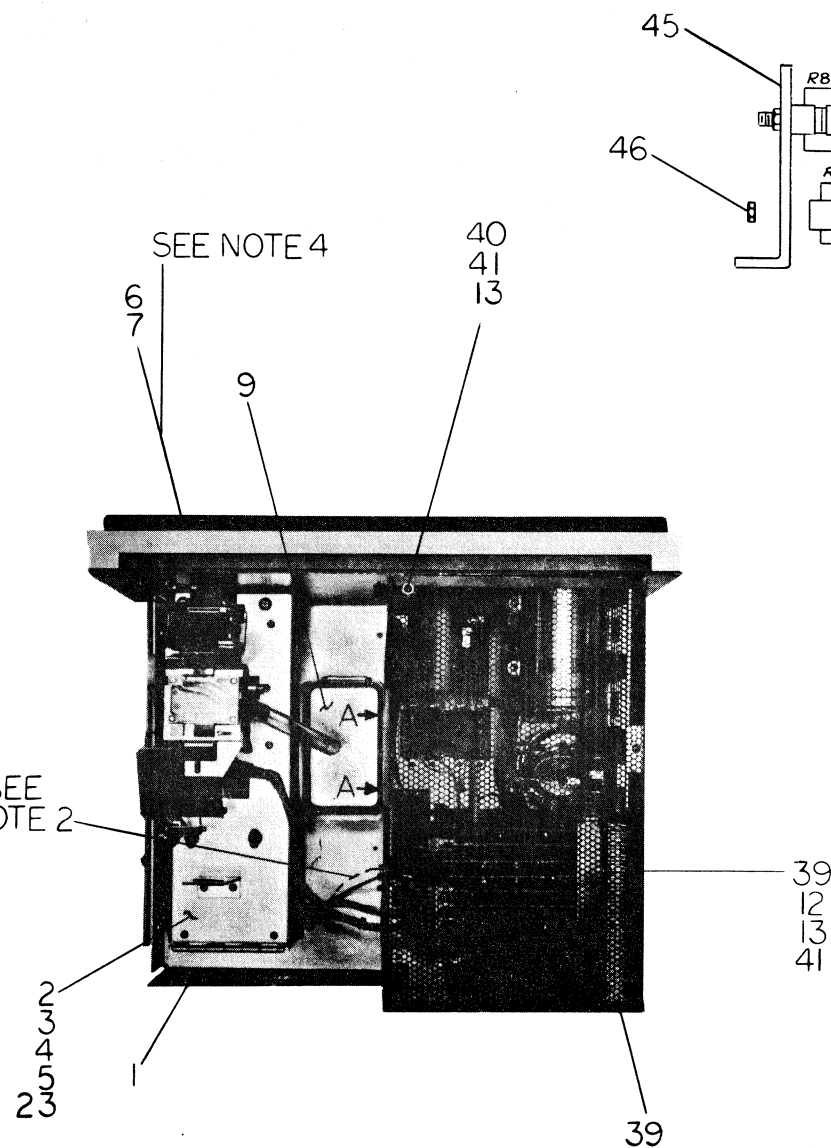
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D

C

B

A



C

B

A

FIRST USED ON OPTION/MODEL			QTY.	DESCRIPTION	PART NO.	ITEM NO.
PC05						
UNLESS OTHERWISE SPECIFIED			DRN.	DATE	PARTS LIST	
UNLESS OTHERWISE SPECIFIED			CHK'D.	DATE		
DIMENSION IN INCHES			ENG.	DATE		
TOLERANCES			PROJ. ENG.	DATE		
DECIMALS FRACTIONS ANGLES			PROD.	DATE	TITLE	
± .005 ± 1/64 ± 0°30'						
FIML SURFACE QUALITY						
REMOVE BURRS AND BREAK SHARP CORNERS						
MATERIAL			NEXT HIGHER ASSY			
FINISH			A-ML-PC05-0			
			SCALE NONE			
			SHEET 2 OF 3			
			DIST.			
			SIZE CODE			
			NUMBER			
			REV.			
			A1			

DIGITAL EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS					QUANTITY / VARIATION														
PARTS LIST																			
MADE BY P. MARCOTTE		CHECKED <i>P. Carwell</i>		SECTION															
DATE 6/19/69		DATE 6/24/69		1															
ENG <i>J. Brubaker</i>		PROD <i>J. Brubaker</i>		ISSUED SECT.															
DATE 7/1/69		DATE 7/2/69		1															
ITEM NO.	DWG NO. / PART NO.	DESCRIPTION			PCØ5-C	PCØ5-CA	PCØ5-P	PCØ5-PA	PCØ5-R										
1	D-AD-7006246-0-0	CHASSIS AND POWER SUPPLY ASSY			1	1	1	1	1										
2	D-AD-7006248-1-0	PUNCH ASSY (60 CY)			1		1												
2	D-AD-7006248-2-0	PUNCH ASSY (50 CY)				1		1											
3	9006021-1	SCR, PHL PAN HD 6-32 x 5/16 LG SST			6	6	6	6	4										
4	9006560	NUT, KEPS 6-32			2	2	2	2											
5	9006070-1	SCR PHL, PAN HD 10-32 x 5/16 LG SST			2	2	2	2											
6	D-AD-7006252-5-0	COVER ASSY (PUNCH)					1	1											
6	D-AD-7006252-3-0	COVER ASSY (READER)							1										
6	D-AD-7006252-4-0	COVER ASSY (COMB)			1	1													
7	9006021-2	SCR, PHL PH 6-32 x 5/16 LG SST			4	4	4	4	4										
8	9006083-1	SCR, PHL PAN HD 10-32 x 2-1/2 LG SST			4	4			4										
9	C-MD-7405300-0-0	CHAD BOX			1	1	1	1											
10	D-UA-7006247-0-0	READER ASSY			1	1			1										
11	C-AD-7006253-0-0	BUS BAR PCØ5			1	1	1	1	1										
12	9006022-1	SCR, PHL PAN HD 6-32 x 3/8 LG SST			3	3	3	3	3										
13	9006633	WASHER, INT TOOTH #6			15	15	9	9	13										
14	C-AD-7006520-0-0	SCR DRIVER ASSY			1	1	1	1											
15	9006026-1	SCR, PHL PAN HD 6/32 x 3/4 LG SST			2	2													
16	9006801	SPACER 1/4 AF x 3/8 LG #6 HOLE			2	2													
17	D-UA-5408310-1-0	PCØ5 CABLE			2	2	1	1	1										
18	C-AD-5408310-1-0	SWITCH ASSY					1	1											
18	C-AD-5408935-0-0	SWITCH ASSY							1										
TITLE		ASSY NO.		SIZE	CODE		NUMBER		REV.		ECO NO.								
PCØ5 READER, PUNCH, DRIVER		D-UA-PCØ5-Ø-Ø		A	PL		PCØ5-Ø-Ø		M		PCØ5 0002t								
SHEET 1		OF 3		DIST.		G													

DEC FORM NO.
DRA 110

(30)

DIGITAL EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS					QUANTITY / VARIATION														
PARTS LIST																			
MADE BY P. MARCOTTE		CHECKED R. Carwell		SECTION		PC05-C	PC05-CA	PC05-P	PC05-PA	PC05-R									
DATE 6/19/69		DATE 6/24/69		1															
ENG		PROD		ISSUED SECT.															
DATE Jan. Beckman 7/1/69		DATE 7/2/69		1															
ITEM NO.	DWG NO. / PART NO.		DESCRIPTION																
18	C-AD-5408310-3-0		SWITCH ASSY			1	1												
19	D-MD-7407131-0-0		TAPE CONTAINER			1	1	1	1										
20	9006011-2		SCR, PHL FH 4-40 x 3/8 LG SST			2	2	2	2										
21	9006556		NUT, HEX 4-40			2	2	2	2	8									
22	9006632		WASHER, INT TOOTH #4			2	2	2	2	8									
23	9006635		WASHER, INT TOOTH #10			2	2	2	2										
24	1309896		RES, 25 OHM 40W ± 5%			8	8			8									
25	9107360-99		18 AWG STRD TEFLON WHT			A/RA/R	A/RA/R	A/R											
26	9007917		SOLDERLESS CONN			6	6	6	6	4									
27	9107400-97		22 AWG STRD TEFLON TRACER WHT/VIO			A/RA/R				A/R									
28	9107400-94		22 AWG STRD TEFLON TRACER WHT/YEL			A/RA/R				A/R									
29	9107400-93		22 AWG STRD TEFLON TRACER WHT/ORN			A/RA/R				A/R									
30	9107400-91		22 AWG STRD TEFLON TRACER WHT/BRN			A/RA/R				A/R									
31	9107470-77		24 AWG SOLID KYNAR VIO			A/RA/R				A/R									
32	9107470-44		24 AWG SOLID KYNAR YEL			A/RA/R				A/R									
33	9107470-33		24 AWG SOLID KYNAR ORN			A/RA/R				A/R									
34	9107470-11		24 AWG SOLID KYNAR BRN			A/RA/R				A/R									
35	9006043-1		SCR, PHL PAN HD 8-32 x 1" LG SST			1	1	1	1	1									
36	9006634		WASHER INT TOOTH #8			2	2	2	2	2									
37	9006823		SPACER 3/8 AF x 3/4 LG			1	1	1	1	1									
38	9006040-1		SCR, PHL PAN HD 8-32 x 5/8 LG SST			1	1	1	1	1									
39	E-IA-7407438-0-0		POWER SUPPLY COVER			1	1	1	1	1									
TITLE			ASSY NO.		SIZE	CODE		NUMBER			REV.		ECO NO.						
(31) PC05 READER, PUNCH, DRIVER			D-UA-PC05-0-0		A	PL		PC05-0-0			M								
			SHEET 2 OF 3		DIST.		C												

DIGITAL EQUIPMENT CORPORATION

MAYNARD, MASSACHUSETTS

PARTS LIST

MADE BY P. MARCOTTE	CHECKED <i>R Canelli</i>	SECTION
DATE 6/19/69	DATE 6/24/69	1
ENG <i>[Signature]</i>	PROD <i>[Signature]</i>	ISSUED SECT.
DATE <i>[Signature]</i> 7/1/69	DATE 7 2/69	1

[illegible]

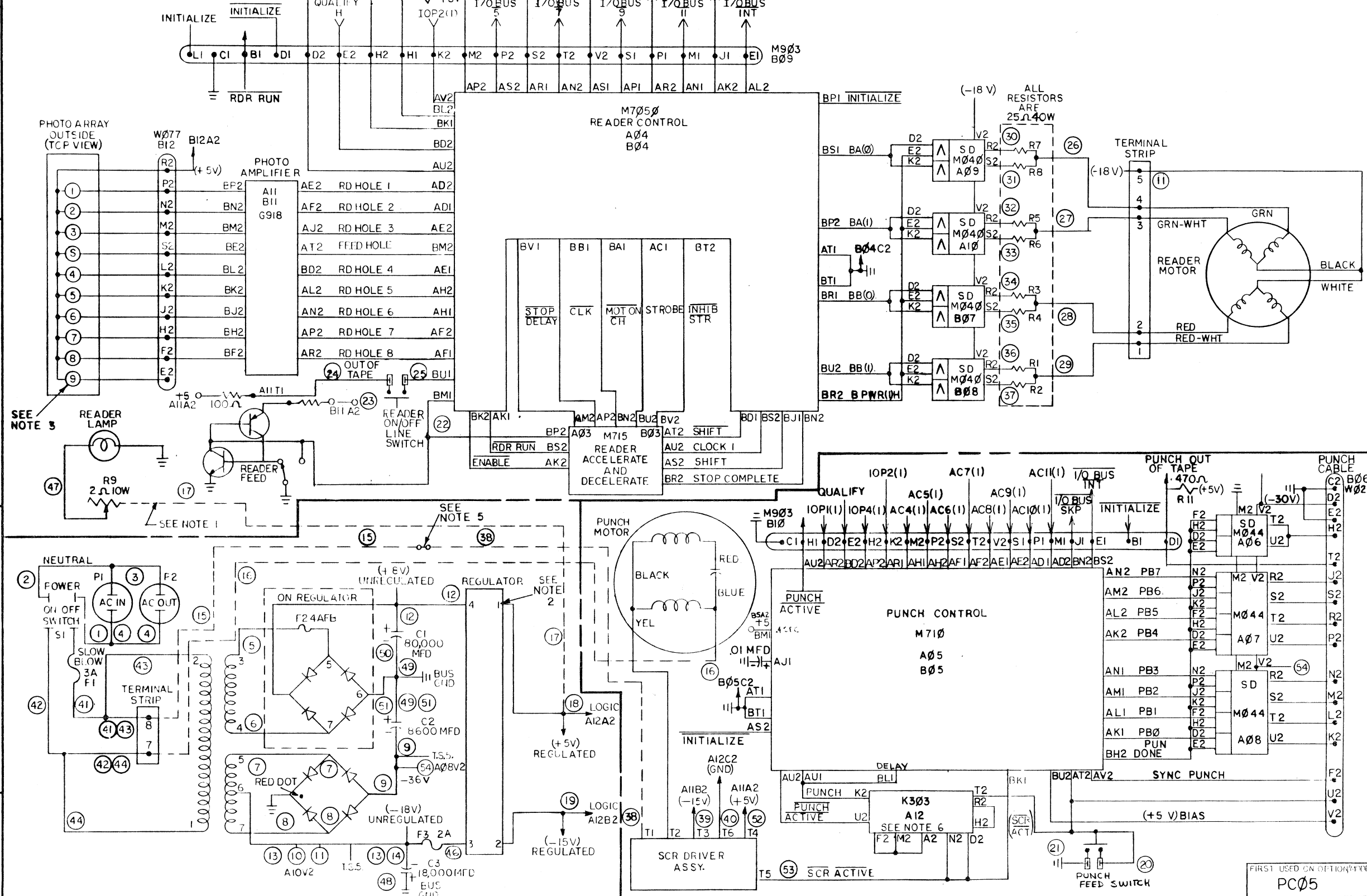
QUANTITY / VARIATION

[illegible]

(32)	TITLE PCØ5 READER, PUNCH, DRIVER	ASSY NO. D-UA-PCØ5-Ø-Ø	SIZE A	CODE PL	NUMBER PCØ5-Ø-Ø	REV. M	ECO NO.
		SHEET 3 OF 3	DIST.	5			

DEC FORM NO.
DRA 110

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- NOTES:**
1. DOTTED LINES INDICATE POSSIBLE CONNECTIONS BETWEEN PWR SUPPLY, READER, PUNCH AND SCR DRIVER. SEE LEGEND.
 2. THE UNCIRCLED NUMBERS 1 THRU 7 REFER TO CONNECTIONS ON REGULATOR BOARD.
 3. THIS PHOTO-TRANSISTOR USED TO DETECT OUT OF TAPE.
 4. CIRCLED NUMBERS 1 THRU 53 ARE WIRE NUMBERS. SEE TABLE.
 5. WIRE #15 AND #38 ARE BUSSED TOGETHER ON SWITCH PANEL. ON C/C, P/P, A MODELS ONLY. ON R MODEL THESE WIRES WILL BE CONNECTED AS USUAL TO THEIR APPROPRIATE TABS.
 6. WHEN M710 CKT REV H & HIGHER IS USED, DELETE K303 MODULE.

WIRE TABLE			
WIRE NO.	COLOR	WIRE NO.	COLOR
1	RED	24	WHITE-YELLOW
2	WHITE	25	BROWN
3	WHITE	26	WHITE-BROWN
4	RED	27	WHITE-ORANGE
5	ORANGE	28	WHITE-YELLOW
6	GRAY-BLUE	29	WHITE-VIOLET
7	GRAY-WHITE	30	BROWN
8	YELLOW	31	BROWN
9	BLUE	32	ORANGE
10	GREEN	33	ORANGE
11	GREEN	34	YELLOW
12	GRAY-VIOLET	35	YELLOW
13	GREEN	36	VIOLET
14	GREEN	37	VIOLET
15	RED	38	RED
16	WHITE	39	WHITE-BLUE
17	GRAY-RED	40	WHITE-GREEN
18	GRAY-RED	41	RED
19	GRAY-YELLOW	42	WHITE
20	WHITE	43	RED
21	BLACK	44	WHITE
22	YELLOW		
23	WHITE-BLACK	46	GREEN
48 THRU 51	BLACK	47	GRAY-RED
52	GREEN	53	RED
54	BLUE		

LEGEND			
CONN-CTIONS	MODEL	PC05-C	PC05-P
PWR SUP TO READER	PC05-CA	PC05-PA	PC05-R
PWR SUP TO PUNCH	PC05-CA	PC05-CA	PC05-CA
SCR DRVR TO PUNCH	PC05-CA	PC05-CA	PC05-CA
PWR SUP TO SCR DRIVER	PC05-CA	PC05-CA	PC05-CA

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

FIRST USED ON OPTION/REVISION		QTY.	DESCRIPTION	PART NO.	ITEM NO.
PC05					
UNLESS OTHERWISE SPECIFIED		PARTS LIST			
UNLESS OTHERWISE SPECIFIED		digital EQUIPMENT CORPORATION			
DIMENSION IN INCHES		TITLE			
TOLERANCES		POWER AND CONTROL SCHEMATIC			
DECIMALS FRACTIONS ANGLES		SIZE CODE NUMBER REV.			
± .005 ± .1/64 ± .030		DBS PC05-0-4 E			
FINAL SURFACE QUALITY		SCALE NONE			
REMOVE BURRS AND BREAK SHARP CORNERS		SHEET 2 OF 3			
MATERIAL		DIST.			
FINISH					

2	D	SIZE	CODE	PC05-0-04	NUMBER	F	REV
---	---	------	------	-----------	--------	---	-----



REVISIONS		
CHK	CHANGE NO	REV

DEC FORM 11
DWD 102A

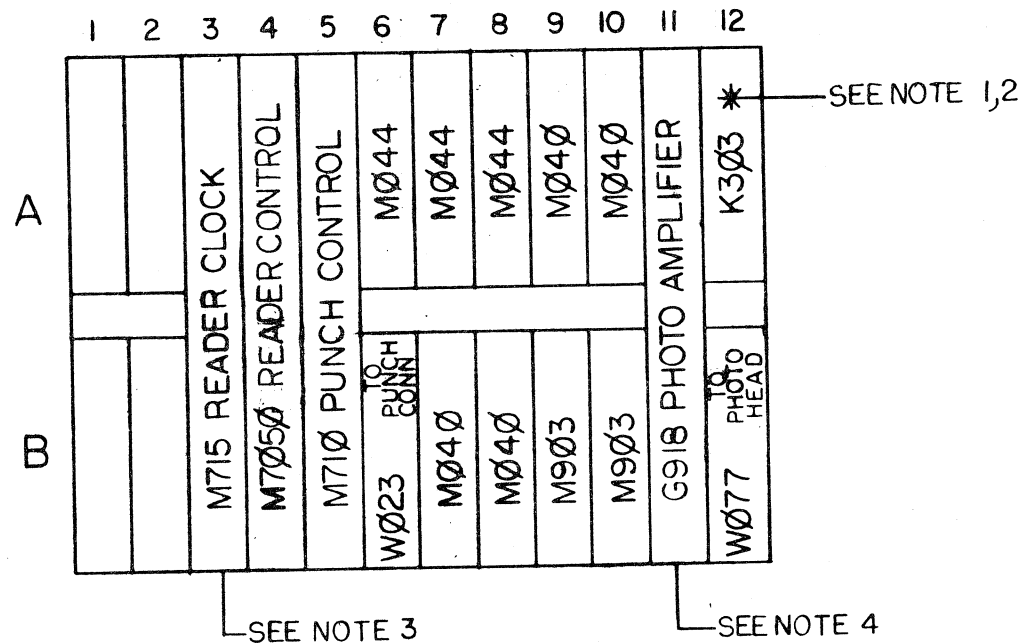
FIRST USED ON OPTION MODEL PC05		QTY.	DESCRIPTION		PART NO.		ITEM NO.
UNLESS OTHERWISE SPECIFIED		DRN. R. THELLEN		DATE 2-19-71	digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS TITLE CONTROL AND POWER SCHEMATIC (READER)		
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES		CHK'D. P. CARVELLY		DATE			
TOLERANCES		ENG. G. BECKNER		DATE			
DECIMALS	FRACTIONS	PROJ. ENG. G. BECKNER		DATE			
± .005	± 1/64	PROD. ANTONUCCIO		DATE			
ANGLES ± 0°30'		NEXT HIGHER ASSY					
FINAL SURFACE QUALITY REMOVE BURRS AND BREAK SHARP CORNERS		A-ML-PC05-0		SIZE/CODE DBS		NUMBER PC05-0-4	REV. F
MATERIAL		SCALE NONE		DIST.			
FINISH		SHEET 3 OF 3					

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MODEL	MODULE LIST
PC05-C, PC05-CA	A3-A12, B6-B12
PC05-P, PC05-PA	A5, A6, A7, A8, A12, B6, B10
PC05-R	A3, A4, A9, A10, A11, B7, B8, B9, B12

NOTES: 1. REF. G-AD-5408231-0-0

2. DELETE THIS MODULE WHEN CKT REV H AND UP OF M710 IS USED. (ETCH F)
3. M715 MUST BE OF REVISION (K CIRCUIT OR HIGHER. (E ETCH
4. G918 MUST BE OF REVISION (B CIRCUIT OR HIGHER. (D ETCH



36

REVISIONS		REV.
CHK	CHANGE NO.	REV.
1	PC05-00001	A
2	PC05-00001	A
3	PC05-00021	B
4	PC05-00021	B
5	PC05-00021	B
6	PC05-00021	B
7	PC05-00021	B
8	PC05-00021	B
9	PC05-00021	B
10	PC05-00021	B
11	PC05-00021	B
12	PC05-00021	B
13	PC05-00021	B
14	PC05-00021	B
15	PC05-00021	B
16	PC05-00021	B
17	PC05-00021	B
18	PC05-00021	B
19	PC05-00021	B
20	PC05-00021	B
21	PC05-00021	B
22	PC05-00021	B
23	PC05-00021	B
24	PC05-00021	B
25	PC05-00021	B
26	PC05-00021	B
27	PC05-00021	B
28	PC05-00021	B
29	PC05-00021	B
30	PC05-00021	B
31	PC05-00021	B
32	PC05-00021	B
33	PC05-00021	B
34	PC05-00021	B
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37	PC05-00021	B
38	PC05-00021	B
39	PC05-00021	B
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41	PC05-00021	B
42	PC05-00021	B
43	PC05-00021	B
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45	PC05-00021	B
46	PC05-00021	B
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88	PC05-00021	B
89	PC05-00021	B
90	PC05-00021	B
91	PC05-00021	B
92	PC05-00021	B
93	PC05-00021	B
94	PC05-00021	B
95	PC05-00021	B
96	PC05-00021	B
97	PC05-00021	B
98	PC05-00021	B
99	PC05-00021	B
100	PC05-00021	B

FIRST USED OR OPTION/MODEL PC05	QTY.	DESCRIPTION	PART NO.	ITEM NO.
UNLESS OTHERWISE SPECIFIED	ORIGIN S. Morante	DATE 6/18/69	PARTS LIST	
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES	CHK'D R. Carrell	DATE 6/20/69	digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS	
TOLERANCES DECIMALS ± .005 FRACTIONS ± 1/64 ANGLES ± 0°30'	ENG'D J. Beckner	DATE 6/11/69	TITLE MODULE UTILIZATION LIST PC05	
FINAL SURFACE QUALITY REMOVE BURRS AND BREAK SHARP CORNERS	APP'D J. Beckner	DATE 6/11/69	REV. B	
MATERIAL + + +	SCALE + + +	SIZE CODE C MU	NUMBER PC05-0-3	REV. B
FINISH + + +	SHEET 1 OF 1	DIST.		

DIGITAL EQUIPMENT CORPORATION

MAYNARD, MASSACHUSETTS

PARTS LIST

MADE BY P. MARCOTTE	CHECKED <i>R. Carwell</i>	SECTION
DATE 6/18/69	DATE 6/20/69	1
ENG <i>Jan. Backous</i>	PROD <i>Jan. Backous</i>	ISSUED SECT.
DATE 7/1/69	DATE 7/2/69	1

[illegible]

NOTE 1: DELETE 5408231 MODULE WHEN CKT REV H AND HIGHER OF

TITLE MODULE UTILIZATION	ASSY NO. C-MU-PCØ5-Ø-3	SIZE A	CODE PL	NUMBER PCØ5-Ø-3				REV. B	ECONO. PCØ5- 000021
	SHEET 1 OF 1	DIS							

DEC FORM NO.
DRA 110

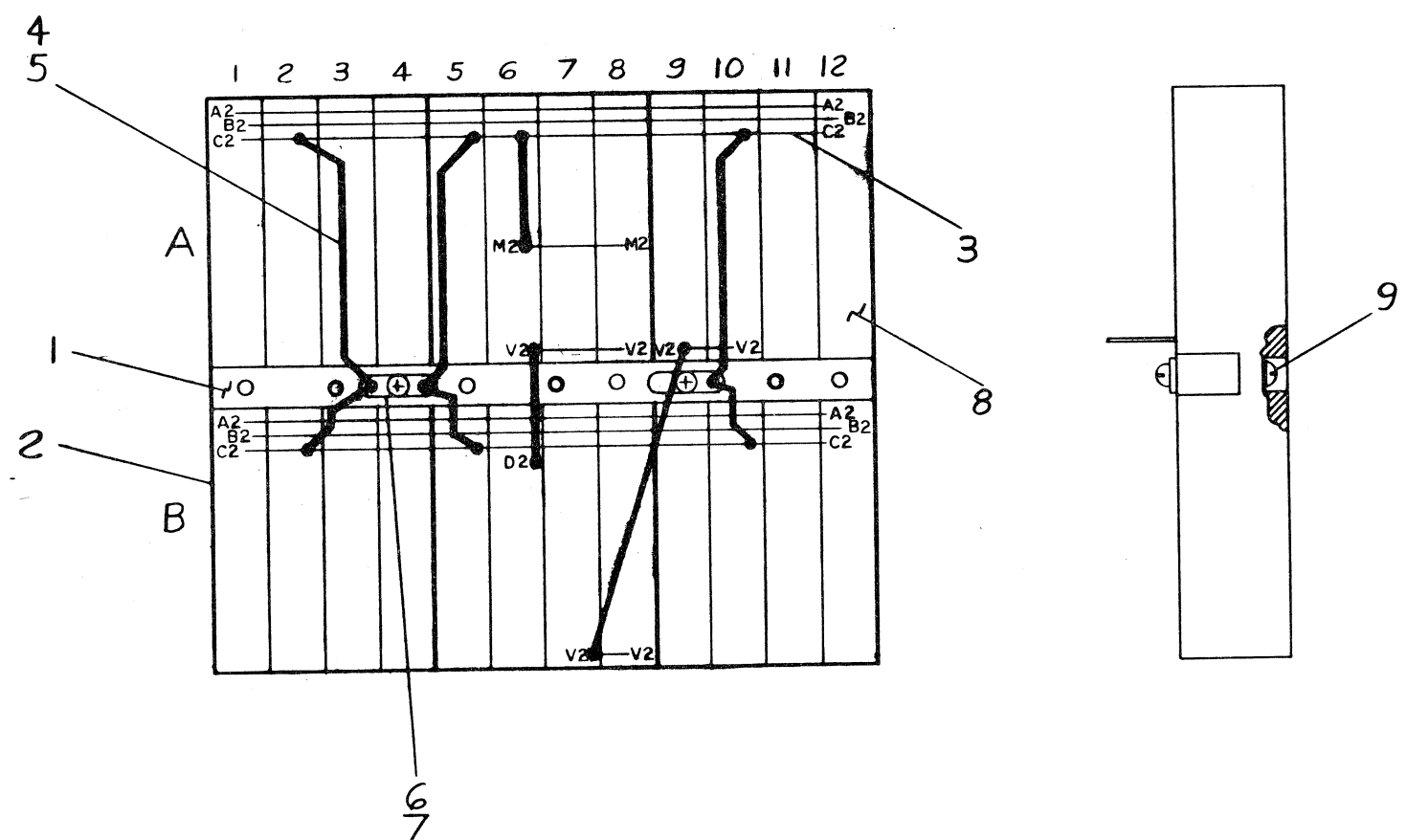
(37)

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EXTERNAL COMPONENT TABLE						
ITEM	COMP.	POL	FROM	TO	POL	REMARKS
10	CAP	+	A03A2	A01C2	-	
10	CAP	+	B01C2	B03B2	-	
11	CAP	+	A05J1	A05C2	-	
13	RES		B09H1	B09A2		
13	RES		B10D1	B10A2		
14	RES		A11T1	A11A2		

NOTES:
1. CONNECTIONS ON ITEM 3 & 4 TO B SOLDERED AND LOCATED AT MINIMUM PRACTICAL HEIGHT ABOVE BLOCKS.
2. CONNECTOR BLOCKS TO BE GROUNDED TO GND. LUG AS SHOWN.



REV.	CHANGE NO.	CHK	DATE
A	PC05-00003	J. L. Morris	12-2-69
B	PC05-00016	E. L. Morris	12-2-69
C	PC05-00021	E. L. Morris	12-2-69
D	PC05-00016	E. L. Morris	12-2-69
E	PC05-00016	E. L. Morris	12-2-69
F	PC05-00016	E. L. Morris	12-2-69
G	PC05-00016	E. L. Morris	12-2-69
H	PC05-00016	E. L. Morris	12-2-69
I	PC05-00016	E. L. Morris	12-2-69
J	PC05-00016	E. L. Morris	12-2-69
K	PC05-00016	E. L. Morris	12-2-69
L	PC05-00016	E. L. Morris	12-2-69
M	PC05-00016	E. L. Morris	12-2-69
N	PC05-00016	E. L. Morris	12-2-69
O	PC05-00016	E. L. Morris	12-2-69
P	PC05-00016	E. L. Morris	12-2-69
Q	PC05-00016	E. L. Morris	12-2-69
R	PC05-00016	E. L. Morris	12-2-69
S	PC05-00016	E. L. Morris	12-2-69
T	PC05-00016	E. L. Morris	12-2-69
U	PC05-00016	E. L. Morris	12-2-69
V	PC05-00016	E. L. Morris	12-2-69
W	PC05-00016	E. L. Morris	12-2-69
X	PC05-00016	E. L. Morris	12-2-69
Y	PC05-00016	E. L. Morris	12-2-69
Z	PC05-00016	E. L. Morris	12-2-69

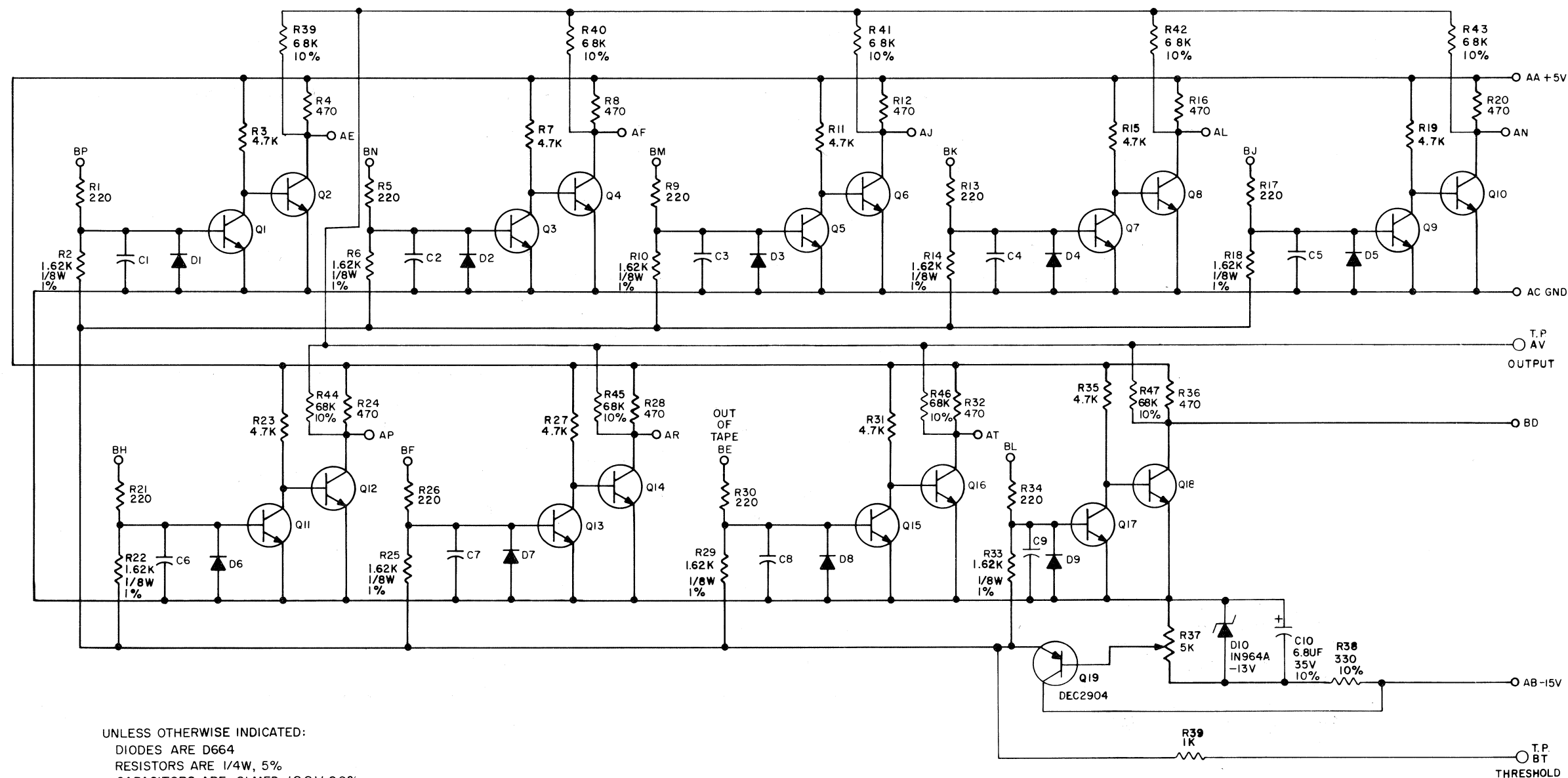
FIRST USED ON OPTION/MODEL PC05	QTY.	DESCRIPTION	PART NO.	ITEM NO.
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES TOLERANCES DECIMALS FRACTIONS ANGLES ± .005 ± 1/64 ± 0°30' FINAL SURFACE QUALITY REMOVE BURRS AND BREAK SHARP CORNERS	DRN. P. Morris CHK'D. R. Morris ENG. J. Morris DATE 6/19/69 DATE 6/19/69 DATE 6/19/69 DATE 6/19/69 DATE 6/19/69	digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS		
MATERIAL + + +	NEXT HIGHER ASSY D-UAPC05-0-0	TITLE BUS BAR (PC05)	SIZE CODE C	NUMBER AD 7006253-0-0
FINISH + + +	SCALE SHEET 1 OF 1	REV. C		

DIGITAL EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS				QUANTITY / VARIATION															
PARTS LIST																			
MADE BY P. MARCOTTE		CHECKED <i>R. Carwell</i>		SECTION															
DATE 6/10/69		DATE 6/18/69		1															
ENG <i>J. L. Lefebvre</i>		PROD <i>J. L. Lefebvre</i>		ISSUED SECT.															
DATE 7/1/69		DATE 7/2/69		1															
ITEM NO.	DWG NO. / PART NO.	DESCRIPTION																	
1	B-IA-7407077-0-0	MTG. BAR 6IN.		1															
2	1205348	288 PIN CONN. BLOCK WRAPTYPE		3															
3	1205541	BUS STRIP - 44 HOLE		A/R															
4	9107560-03	#18 AWG BUS WIRE		A/R															
5	9107278-09	#18 TUBING TEFLON, WHITE		A/R															
6	9007597	TERMINAL, SHAKEPROOF #2116-08-00		2															
7	9006034	SCR PHL PAN HD #8-32 x.19 LG SST		2															
8	9105740-44	30 AWG SOLID TEF INS. WIRE, YELLOW		A/R															
9	9006120	SCR PHL FIL HD #8-32 x .62 LG SST		6															
10	1005306	CAP 6.8 MFD 35V 10%		2															
11	1001610	CAP .01 MFD 100V 20%		1															
12	1002627	CAP 2.2 MFD 20V 10%		1															
REF	K-WL-PC05-0-2	WIRE LIST		1															
13	1300317	RES 470 OHM 1/4 W 10%		2															
14	1300231	RES 100 ohm 1/4W 5%		1															
TITLE		ASSY NO.		SIZE	CODE	NUMBER		REV.	ECO NO.										
BUS BAR (PC05)		C-AD-7006253-0-0		A	PL	7006253-0-0		C	PC05-00021										
		SHEET 1 OF 1		DIST.															

DEC FORM NO.
DRA 110

(39)

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

41

REV.	CHG	NO.	REV.
A	00001		
B	00002		
C	00003		

DEC FORM NO.
DRC 102

DRN.	DATE
REBUTLER	4/1/69
CHK'D	DATE
G. Yung	4/1/69
ENG.	DATE
R. Abel	6/1/69
PROD.	DATE

TRANSISTOR & DIODE CONVERSION CHART			
DEC	EIA	DEC	EIA
2N3646	2N3009	IN964A -13V	SAME
D664	1N3606	DEC2904	2N1132

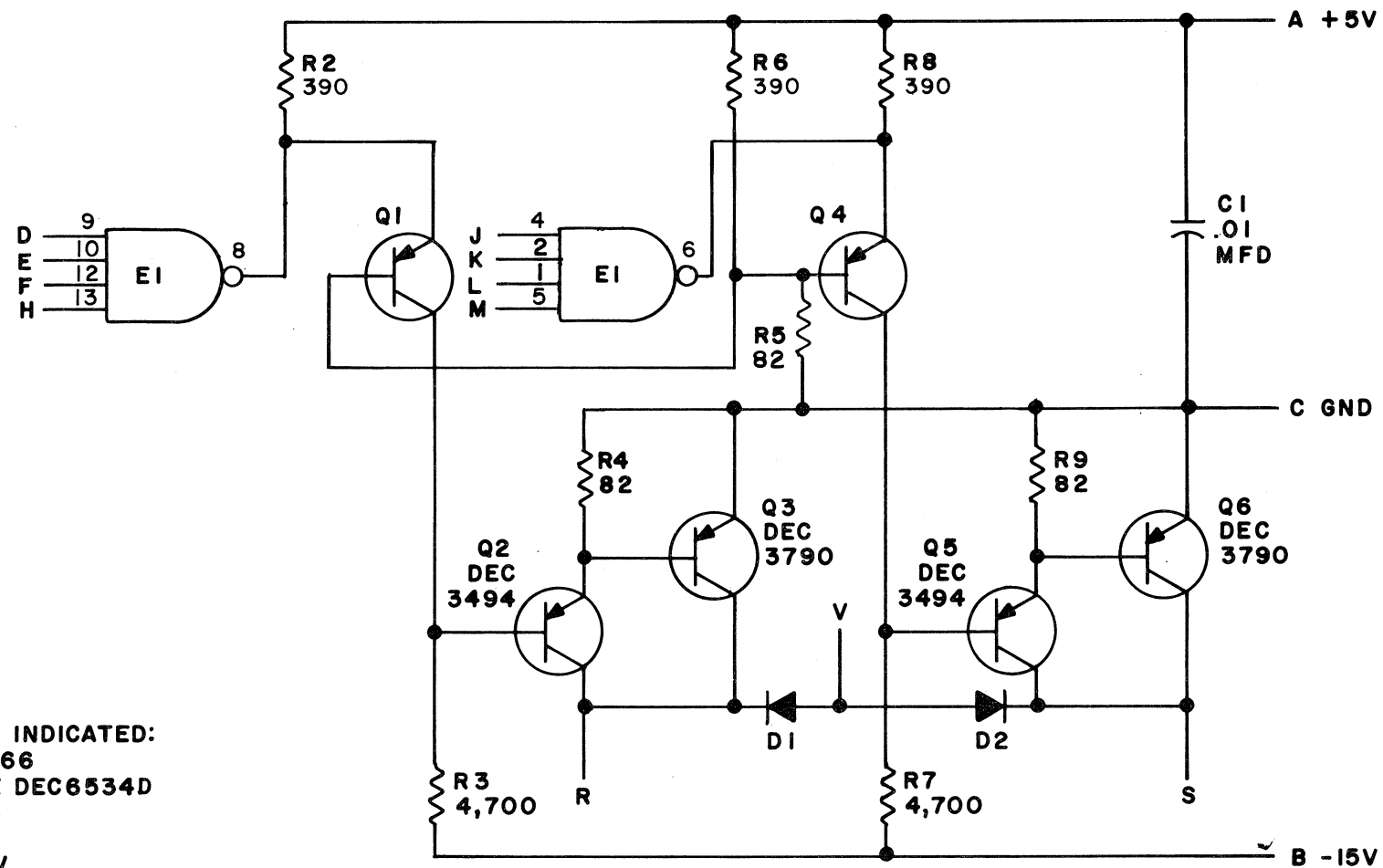
digital
EQUIPMENT
CORPORATION
MAYNARD, MASSACHUSETTS

TITLE PHOTO TRANSISTOR AMPLIFIER G918			
SIZE	CODE	NUMBER	REV.
C	CS	G918-0-1	B
PRINTED CIRCUIT REV. D			

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

DIST. 324,434,435³ PINK

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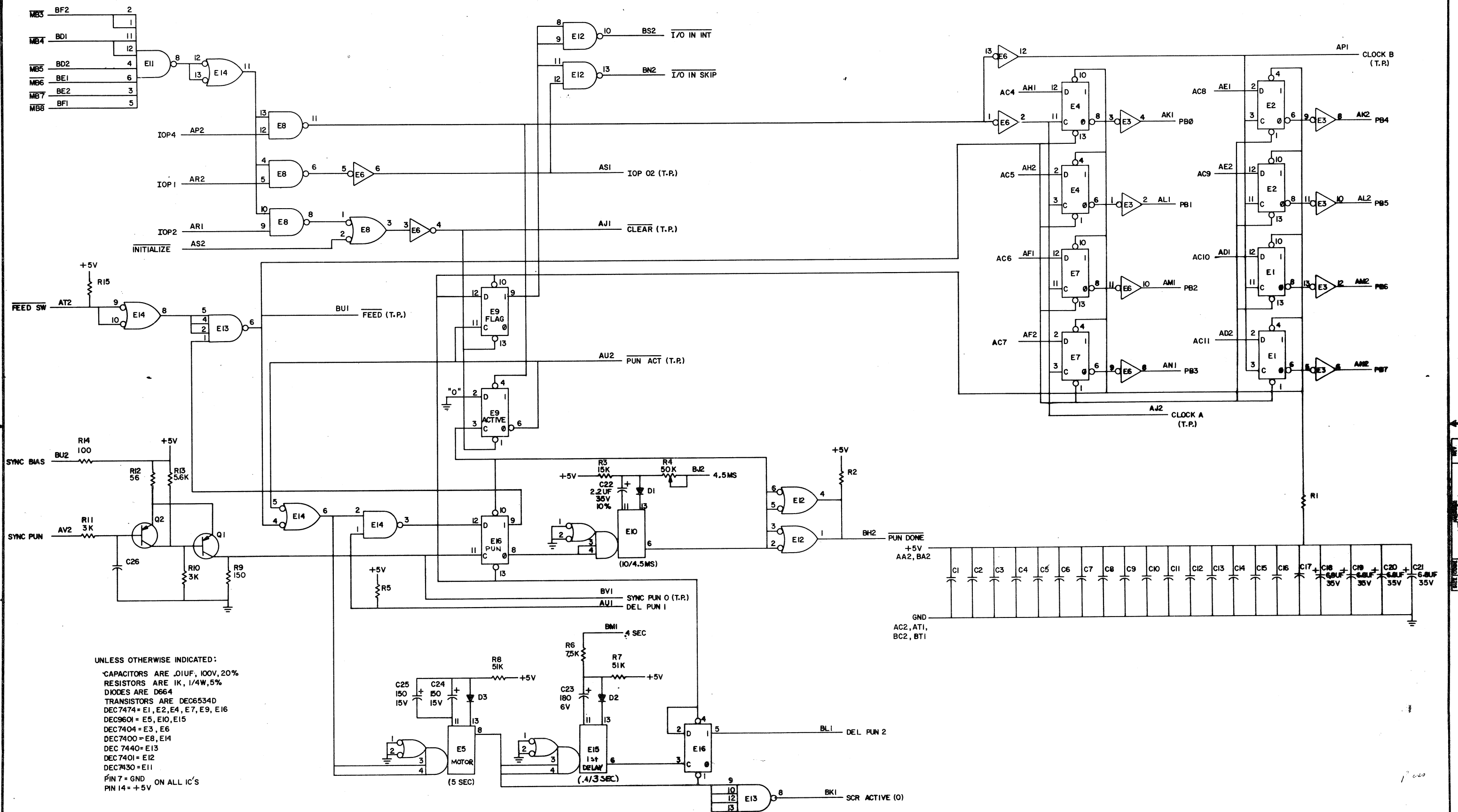


UNLESS OTHERWISE INDICATED:
 DIODES ARE MR2066
 TRANSISTORS ARE DEC6534D
 EI IS DEC7420N
 PIN 7 ON IC = GND
 PIN 14 ON IC = +5V
 RESISTORS ARE 1/4 W, 10%

PARTS LIST A-PL-M040-0-0

(42)

REVISIONS CHK CHG NO REV 00001 E 00002		DRN. M. Haller DATE 9-14-67 CHK'D DATE 9/22/67 ENG DATE 9/14/67 PROD. 4		TRANSISTOR & DIODE CONVERSION CHART <table border="1"> <tr> <th>DEC</th> <th>EIA</th> <th>DEC</th> <th>EIA</th> </tr> <tr> <td>DEC3494</td> <td>SAME</td> <td></td> <td></td> </tr> <tr> <td>DEC3790</td> <td>2N3790</td> <td></td> <td></td> </tr> <tr> <td>DEC6534D</td> <td>MPS6534</td> <td></td> <td></td> </tr> <tr> <td>D662</td> <td>IN645</td> <td></td> <td></td> </tr> <tr> <td>MR2066</td> <td>IN4003</td> <td></td> <td></td> </tr> </table>				DEC	EIA	DEC	EIA	DEC3494	SAME			DEC3790	2N3790			DEC6534D	MPS6534			D662	IN645			MR2066	IN4003			digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS		TITLE SOLENOID DRIVER M040 SIZE B CODE CS NUMBER M040-0-1 REV. E PRINTED CIRCUIT REV. E	
DEC	EIA	DEC	EIA																																
DEC3494	SAME																																		
DEC3790	2N3790																																		
DEC6534D	MPS6534																																		
D662	IN645																																		
MR2066	IN4003																																		



UNLESS OTHERWISE INDICATED:
 CAPACITORS ARE .01UF, 100V, 20%
 RESISTORS ARE 1K, 1/4W, 5%
 DIODES ARE D664
 TRANSISTORS ARE DEC6534D
 DEC7474 = E1, E2, E4, E7, E9, E16
 DEC9601 = E5, E10, E15
 DEC7404 = E3, E6
 DEC7400 = E8, E14
 DEC7440 = E13
 DEC7401 = E12
 DEC7430 = E11
 PIN 7 = GND ON ALL IC'S
 PIN 14 = +5V

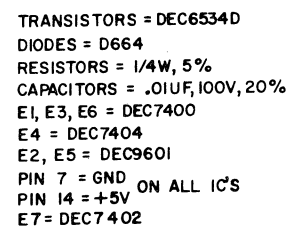
REV	DATE	BY	CHK
1	10/05/71	W	W
2	10/05/71	W	W
3	10/05/71	W	W
4	10/05/71	W	W

DATE	BY	CHK
10/05/71	W	W
10/05/71	W	W
10/05/71	W	W

TRANSISTOR & DIODE CONVERSION CHART			
DEC	EIA	DEC	EIA
D664	IN3606		
DEC6534D	NONE		

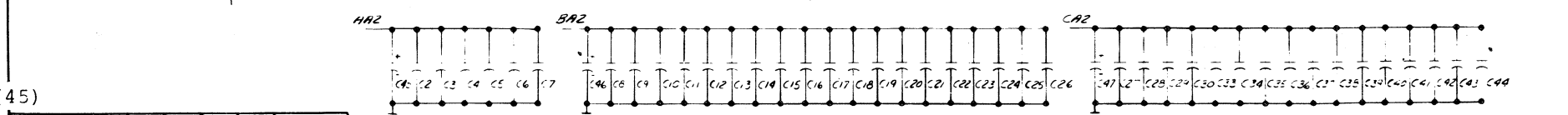
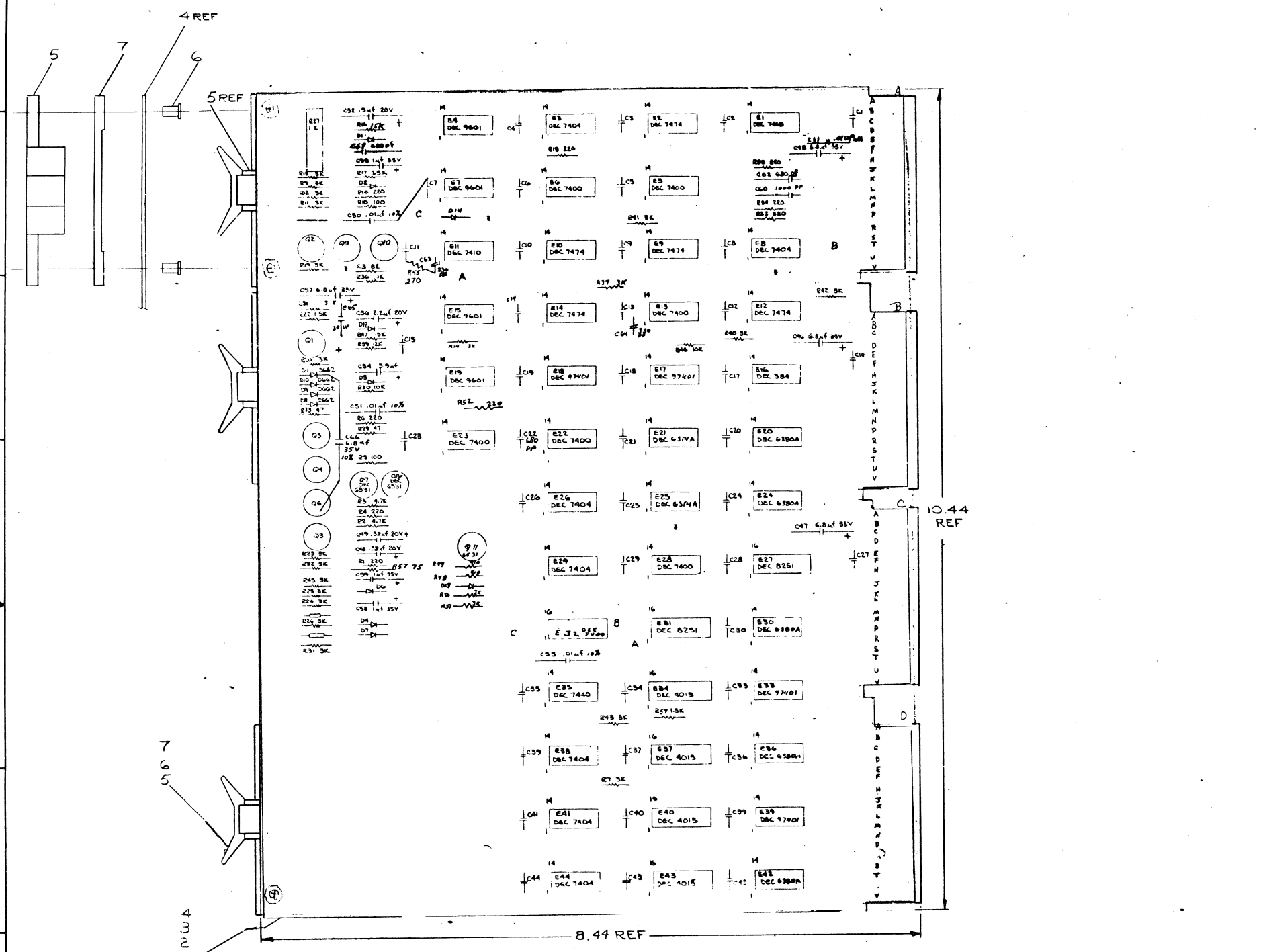
digital EQUIPMENT CORPORATION		PUNCH CONTROL M710	
SIZE D	CODE CS	NUMBER M710-0-1	REV. K
PRINTED CIRCUIT REV. H			

14



TITLE									
READER CLOCK M715									
SIZE		CODE		NUMBER				REV.	
C		CS		M715-0-1				L	
PRINTED CIRCUIT REV.						F			

1. UNLESS OTHERWISE NOTED:
CAPACITORS = .01 UF 100V 20%
TRANSISTORS = 6534 D.



IC TYPE	QTY	REF	LOC	TO PT
IC 339	1	21	22	22
IC 339	1	22	22	22
IC 339	1	22	22	22
IC 339	1	22	22	22
IC 339	1	22	22	22
IC 339	1	22	22	22
IC 339	1	22	22	22
IC 339	1	22	22	22
IC 339	1	22	22	22
IC 339	1	22	22	22

ITEM NO	QTY	REF	LOC	TO PT
1	1	22	22	22
2	1	22	22	22
3	1	22	22	22
4	1	22	22	22
5	1	22	22	22
6	1	22	22	22
7	1	22	22	22
8	1	22	22	22
9	1	22	22	22
10	1	22	22	22

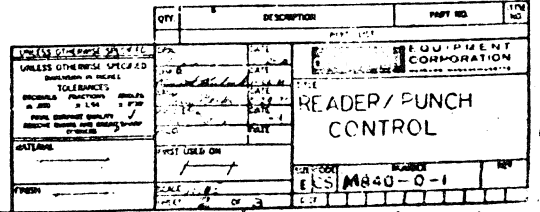
ITEM NO	QTY	REF	LOC	TO PT
1	1	22	22	22
2	1	22	22	22
3	1	22	22	22
4	1	22	22	22
5	1	22	22	22
6	1	22	22	22
7	1	22	22	22
8	1	22	22	22
9	1	22	22	22
10	1	22	22	22

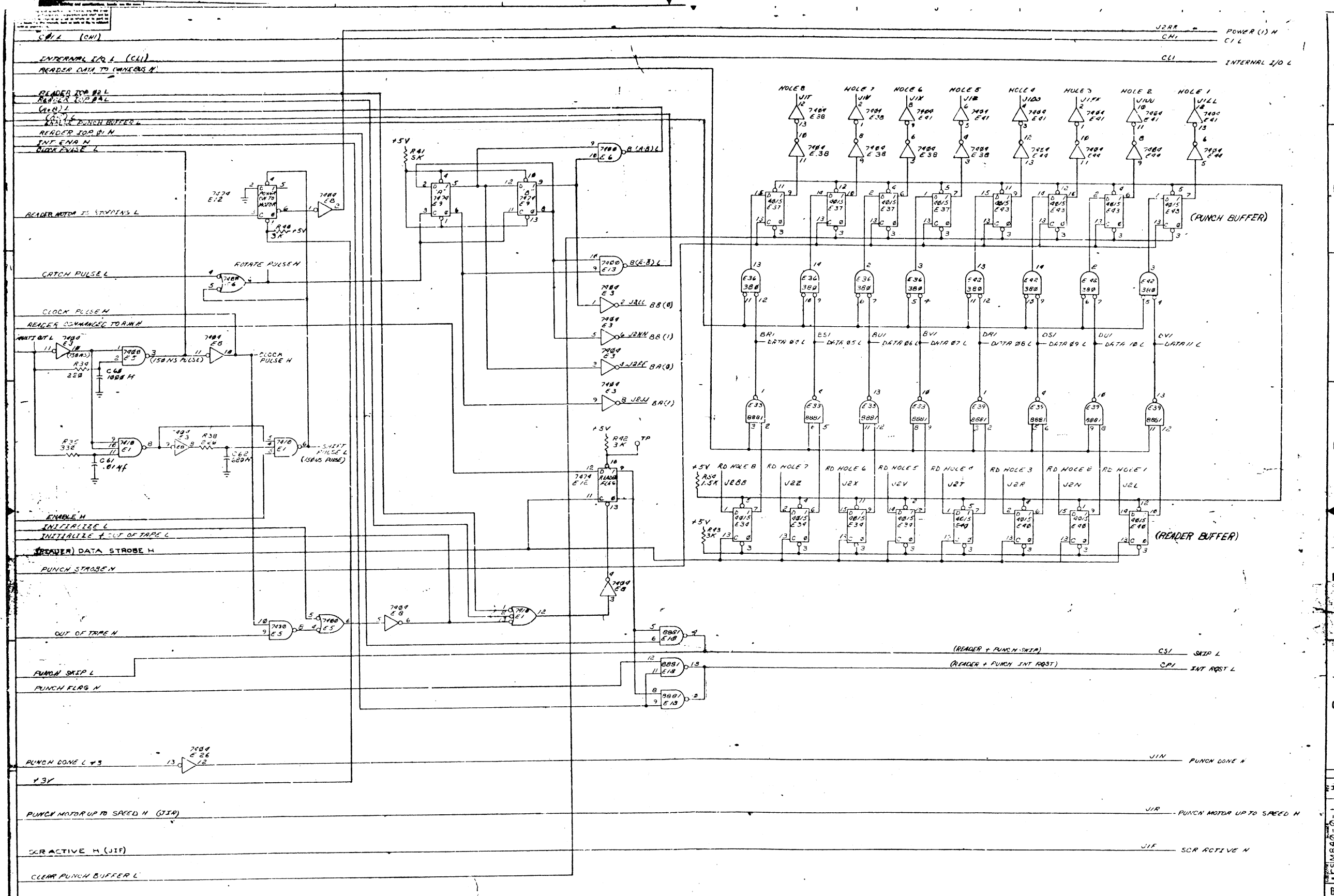
ITEM NO	QTY	REF	LOC	TO PT
1	1	22	22	22
2	1	22	22	22
3	1	22	22	22
4	1	22	22	22
5	1	22	22	22
6	1	22	22	22
7	1	22	22	22
8	1	22	22	22
9	1	22	22	22
10	1	22	22	22

ITEM NO	QTY	REF	LOC	TO PT
1	1	22	22	22
2	1	22	22	22
3	1	22	22	22
4	1	22	22	22
5	1	22	22	22
6	1	22	22	22
7	1	22	22	22
8	1	22	22	22
9	1	22	22	22
10	1	22	22	22

ITEM NO	QTY	REF	LOC	TO PT
1	1	22	22	22
2	1	22	22	22
3	1	22	22	22
4	1	22	22	22
5	1	22	22	22
6	1	22	22	22
7	1	22	22	22
8	1	22	22	22
9	1	22	22	22
10	1	22	22	22

QTY	REF DESIGNATION	DESCRIPTION	PART NO	TEST
1	R57	RES 75 1/4W 5%	1302379	60
1	R55	WIRE #22 ANG SOLID BUS	1301472	59
1	R54	RES 270 1/4W 5%	1301472	58
1	R53	RES 150 1/4W 5%	1302252	57
1	R52	RES 36 1/4W 5%	1302252	56
1	R51	RES 680 1/4W 5%	1301472	55
1	R50	RES 157 1/4W 5%	1302252	54
1	R49	CONN 40 PIN RT ANG 1/2" HOLE	1302252	53
1	R48	IC DEC 1400	1302252	52
1	R47	IC DEC 1400	1302252	51
1	R46	IC DEC 1400	1302252	50
1	R45	IC DEC 1400	1302252	49
1	R44	IC DEC 1400	1302252	48
1	R43	IC DEC 1400	1302252	47
1	R42	IC DEC 1400	1302252	46
1	R41	IC DEC 1400	1302252	45
1	R40	IC DEC 1400	1302252	44
1	R39	IC DEC 1400	1302252	43
1	R38	IC DEC 1400	1302252	42
1	R37	IC DEC 1400	1302252	41
1	R36	IC DEC 1400	1302252	40
1	R35	IC DEC 1400	1302252	39
1	R34	IC DEC 1400	1302252	38
1	R33	IC DEC 1400	1302252	37
1	R32	IC DEC 1400	1302252	36
1	R31	IC DEC 1400	1302252	35
1	R30	IC DEC 1400	1302252	34
1	R29	IC DEC 1400	1302252	33
1	R28	IC DEC 1400	1302252	32
1	R27	IC DEC 1400	1302252	31
1	R26	IC DEC 1400	1302252	30
1	R25	IC DEC 1400	1302252	29
1	R24	IC DEC 1400	1302252	28
1	R23	IC DEC 1400	1302252	27
1	R22	IC DEC 1400	1302252	26
1	R21	IC DEC 1400	1302252	25
1	R20	IC DEC 1400	1302252	24
1	R19	IC DEC 1400	1302252	23
1	R18	IC DEC 1400	1302252	22
1	R17	IC DEC 1400	1302252	21
1	R16	IC DEC 1400	1302252	20
1	R15	IC DEC 1400	1302252	19
1	R14	IC DEC 1400	1302252	18
1	R13	IC DEC 1400	1302252	17
1	R12	IC DEC 1400	1302252	16
1	R11	IC DEC 1400	1302252	15
1	R10	IC DEC 1400	1302252	14
1	R9	IC DEC 1400	1302252	13
1	R8	IC DEC 1400	1302252	12
1	R7	IC DEC 1400	1302252	11
1	R6	IC DEC 1400	1302252	10
1	R5	IC DEC 1400	1302252	9
1	R4	IC DEC 1400	1302252	8
1	R3	IC DEC 1400	1302252	7
1	R2	IC DEC 1400	1302252	6
1	R1	IC DEC 1400	1302252	5
1	R0	IC DEC 1400	1302252	4
1	R-1	IC DEC 1400	1302252	3
1	R-2	IC DEC 1400	1302252	2
1	R-3	IC DEC 1400	1302252	1



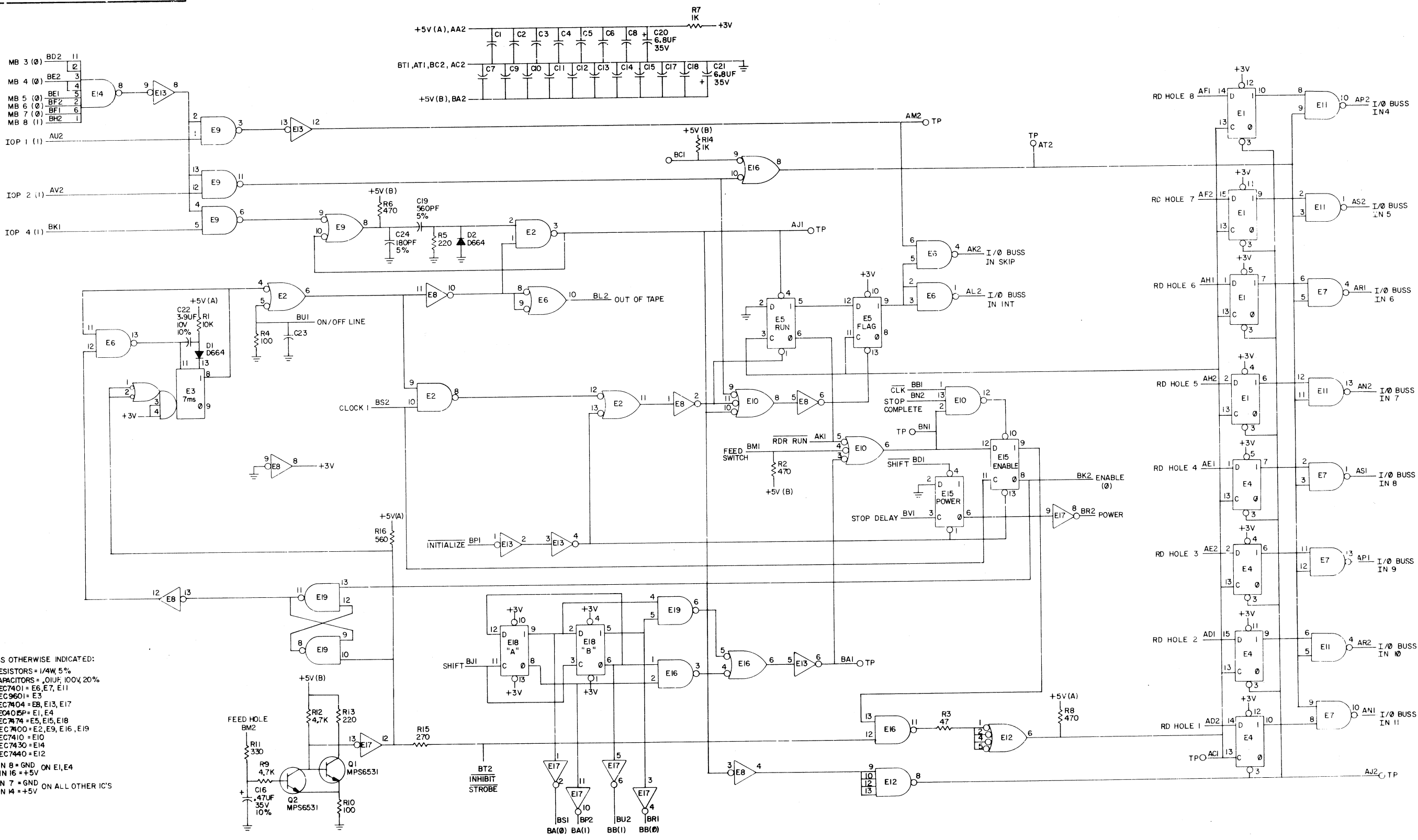


UNLESS OTHERWISE SPECIFIED		DATE	REVISION
UNLESS OTHERWISE SPECIFIED	DATE	REVISION	
DIMENSIONS IN INCHES	DATE	REVISION	
TOLERANCES	DATE	REVISION	
DECIMALS FRACTIONS ANGLES	DATE	REVISION	
0.005 1/64 1/32 1/16 1/8 1/4 1/2 3/4 1	DATE	REVISION	
FINAL SURFACE QUALITY	DATE	REVISION	
REMOVE BURRS AND BREAK SHARP	DATE	REVISION	
SECTION	DATE	REVISION	
MATERIAL	DATE	REVISION	
FINISH	DATE	REVISION	
SCALE	DATE	REVISION	
SHEET 3 OF 3	DATE	REVISION	

QTY	DESCRIPTION	PART NO.	REV.
1	READER/PUNCH CONTROL	8-10840-1	1

digital CORPORATION
ECSM 8-10840-1

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UNLESS OTHERWISE INDICATED:
RESISTORS = 1/4W 5%
CAPACITORS = .01UF, 100V, 20%
DEC7401 = E6, E7, E11
DEC9601 = E3
DEC7404 = E8, E13, E17
DEC7405 = E1, E4
DEC7407 = E5, E15, E18
DEC7400 = E2, E9, E16, E19
DEC7410 = E10
DEC7430 = E14
DEC7440 = E12
PIN 8 = GND ON E1, E4
PIN 16 = +5V
PIN 7 = GND ON ALL OTHER IC'S
PIN 14 = +5V