

Digital Equipment Corporation  
Maynard, Massachusetts

digital

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

**MAINTENANCE MANUAL**  
**VOLUME 2**  
**(Engineering Drawings)**

DOCUMENT NO. DEC-00-PC04/5-DWG

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## PC04/PC05 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
D-BS-PC04-CL-RD	Reader and Power Supply
D-BS-PC04-CL-PNCH	Punch
D-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 Circuit Schematics

Number	Title
C-CS-G918-0-0	Photo Transistor Amplifier
B-CS-M040-0-1	Solenoid Driver (Reader Motor)
B-CS-M044-0-1	Solenoid Driver (Punch Solenoid)
D-CS-M710-0-1	Punch Control
C-CS-M715-0-1	Reader Clock
E-CS-M840-0-1	Reader/Punch Control
D-CS-M7050-0-1	Reader Control
B-CS-5408918-0-1	Power Regulator Card
B-CS-5408308-0-1	Power Regulator Card
B-CS-5408384-0-1	Triac Driver Assembly



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1-0-0001002

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MODEL	DESCRIPTION	CY	COMPOSITION																
			FIND NUMBER																
			2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
PC04-B, B04 BL	PUNCH & READER	60	-1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
PC04-BA, BC & BM	PUNCH & READER	50	-2	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
PC04-C	PUNCH, READER, DRIVER	80	-1	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
PC04-CA	PUNCH READER DRIVER	50	-2	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
PC04-PA & PL	PUNCH	80	-1	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
PC04-FA & PM	PUNCH	50	-2	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
PC04-RA & RB	READER	X	X	X	X	X	X	X	X	X	X	X	X	X	X	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 PUNCH MODEL FROM FIND COLUMN 14 USES A (-2) OR A D-AD-7006252-2-0 COVER ASSY

D

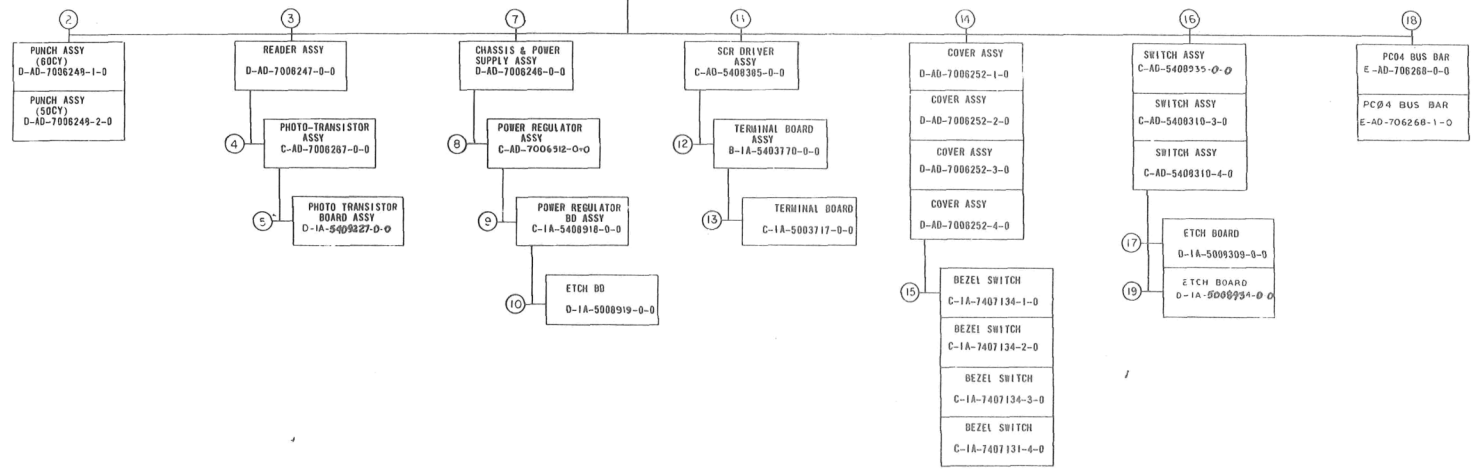
D

C

C

B

B



UNIT ASSY. DWG. NO. D-UA-PC04-0-0

REV	DATE	BY	CHKD	REASON
1	10/10/69	BECKNER	BECKNER	INITIAL DESIGN
2	10/10/69	BECKNER	BECKNER	REVISION
3	10/10/69	BECKNER	BECKNER	REVISION
4	10/10/69	BECKNER	BECKNER	REVISION
5	10/10/69	BECKNER	BECKNER	REVISION
6	10/10/69	BECKNER	BECKNER	REVISION
7	10/10/69	BECKNER	BECKNER	REVISION
8	10/10/69	BECKNER	BECKNER	REVISION

FIRST USED ON OPTION / MODEL  
PC04

DO NOT SCALE DRAWING  
 UNLESS OTHERWISE SPECIFIED  
 DIMENSIONS IN INCHES  
 TOLERANCES  
 DECIMALS FRACTIONS ANGLES  
 ±.000 ±.001 ±.002 ±.005 ±.010 ±.020  
 FINISH SURFACE QUALITY  
 REMOVE BURRS AND BREAK SHARP EDGES  
 MATERIAL  
 FINISH  
 SHEET

QTY.	DESCRIPTION	PART NO.	ITEM NO.
1	PC04		

DATE: 10/10/69  
 DRAWING INDEX LIST, PC04  
 EQUIPMENT CORPORATION  
 DRAWING INDEX LIST, PC04  
 SCALE: 1:1  
 SHEET: 2 OF 2

DWG FORM NO. 100

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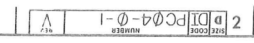
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PC04



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MECHANICAL				MECHANICAL				MECHANICAL				ELECTRICAL			
FIND NO	DESCRIPTION	PART NO	DEPT USAGE	FIND NO	DESCRIPTION	PART NO	DEPT USAGE	FIND NO	DESCRIPTION	PART NO	DEPT USAGE	FIND NO	DESCRIPTION	PART NO	DEPT USAGE
			PROD CUST F/C				PROD CUST F/C				PROD CUST F/C				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-5409325-0-0 C-AD-5408310-3-0 C-AD-5408310-4-0 A-PL-5409310-0-0 B-W-7407175-0-0		1	PAPER TAPE READER	A-ML-PC04-0	
2	PC04- PA PUNCH SERIAL RESISTOR SCR MODULE RETAINER HOLD DOWN BAR PACKAGING INSTRUCTIONS PRO READER PUNCH PUNCH ASSY (80CY) PUNCH ASSY (PL) CHAD TUBE PUNCH MFG CHASSIS HINGE BOLT FEED TAPE GUIDE TAPE DEPRESSOR PULLY (80CY) PULLY (50CY) TORSION SPRING	A-PL-PC04-0-0 B-W-7408300-0-0 D-W-7407131-0-0 C-1A-7008261-0-0 D-UA-PC04-PA-0 C-MD-7408091-0-0 C-1A-7405642-0-0 C-1A-7409333-2-0 A-PL-3703024-0-0 D-AD-7008248-1-0 D-AD-7008248-2-0 B-W-7407398-0-0 D-IA-7407071-0-0 B-W-7407083-0-0 D-MD-7408088-0-0 D-1A-7407110-0-0 D-SC-1209305-0-0 B-MD-7408017-0-0 B-W-7408099-1-0 B-W-7408088-2-0 C-SC-1209324-0-0		5	PHOTO TRANSISTOR BD ASSY	D-1A-5409227-0-0		17	PCD SWITCH BOARD	D-IA-5009309-0-0		7	POWER AND CONTROL SCHEMATIC	D-BB-PC04-0-2	
3	READER ASSY READER ASSY (PL) TAPE PATH GUIDE READER PLATE BLOCY READER SHAFT READER PLATE ARM SPRING SPRING BULB DEPRESSOR TAPE BRKT TAPE HOLD DOWN SLO SYN MOTOR REWORK SHIM LENS	D-AD-7008247-0-0 A-PL-7008247-0-0 D-W-7407076-0-0 B-W-7407095-0-0 B-MD-7407118-0-0 B-W-7407120-0-0 B-W-7407118-0-0 A-MD-7407116-0-0 C-W-7407121-0-0 C-W-7407144-0-0 B-IA-7407694-0-0 B-MD-7407600-0-0 B-MD-7404983-0-0		6	CHASSIS & POWER SUPPLY ASSY CHASSIS & POWER SUPPLY (PL) PANEL FRONT BKT MFG BAR RIGHT HAND BKT MFG BAR LEFT HAND CHASSIS COVER JONES STRIP HARNESS CONTROL HARNESS I/O 110 VAC HARNESS POWER SUPPLY DECAL (PC04)	D-AD-7008246-0-0 A-PL-7008246-0-0 D-IA-7407075-0-0 C-IA-7407085-1-0 C-IA-7407085-2-0 E-IA-7407074-0-0 C-AD-5305649-0-0 D-IA-7008311-0-0 D-IA-7356310-0-0 D-IA-7008309-0-0 A-DC-7407476-0-0		19	PR SWITCH BOARD	D-MD-1402230-0-0 D-IA-5008334-0-0		11	MODULE UTILIZATION MODULE UTILIZATION (PL) ENGINEERING SPECS	A-PL-PC04-0-3 A-SP-PC04-0-4	
4				8	PWR REGULATOR ASSY PWR REGULATOR (PL) HEATSINK, PWR REGULATOR	C-AD-7006012-0-0 A-PL-7006510-0-0 C-W-7407089-0-0		18	PC04 BUS BAR MFG. BAR (6 IN.)	E-AD-7008289-0-0 B-IA-7407071-0-0		9	WIRE LIST	K-WL-PC04-0-5	
5				9	PWR REGULATOR BOARD ASSY	C-1A-5408910-0-0						10	WIRE LIST	K-WL-PC04-0-6	
6				10	ETCH BOARD	D-IA-5008919-0-0						11	CHASSIS & POWER SUPPLY ASSY	D-AD-7008246-0-0	
7				11	SCR DRIVER ASSY SCR DRIVER CHASSIS	C-AD-5408305-0-0 C-1A-7407070-0-0						12	POWER REG BD C.S.	B-CS-5408308-0-0	
8				12	TERMINAL BD ASSY	B-IA-5403770-0-0						13	SCR WIRE DRIVER ASSY	C-AD-5408385-0-0	
9				13	TERMINAL BOARD	C-1A-5003717-0-0						14	PRINTED CIRCUIT 223	PC-5403770-0-1	
10				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-7008252-1-0 D-AD-7008252-2-0 D-AD-7008252-3-0 D-AD-7008252-0-0 A-PL-7008252-0-0 E-SC-1208308-2-0 E-SC-1208308-4-0 E-SC-1208308-8-0 C-MD-7407649-0-0		15	BUS BAR (PC04) Bus Bar (PC04)	E-AD-7008289-0-0 E-SC-7006261-1-0		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-7407134-3-1 C-1A-7407134-3-0 A-SS-7407134-3-1 C-1A-7407134-4-0 A-SS-7407134-4-1	

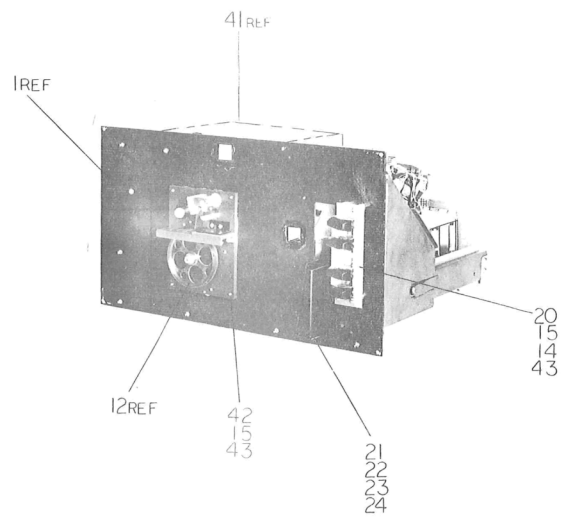
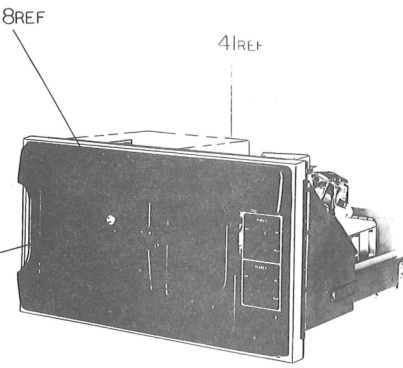
FIRST LABEL OR DESCRIPTION/TITLE PC04		QTY.	DESCRIPTION	PART NO.	ITEM NO.
PARTS LIST					
UNLESS OTHERWISE SPECIFIED DRN <i>3/11/67</i> DATE <i>3/11/67</i>					
UNLESS OTHERWISE SPECIFIED DIM <i>As Shown</i> DATE <i>3/11/67</i>					
DIMENSION IN INCHES CHECKED <i>3/11/67</i> DATE <i>3/11/67</i>					
TOLERANCES DECIMALS FRACTIONS ANGLES DATE <i>3/11/67</i>					
FIT: HOLE & PIN DATE <i>3/11/67</i>					
FINISH: FINISH DATE <i>3/11/67</i>					
MATERIAL: NEXT HIGHER ASSY					
DRAWING INDEX LIST PC04					
MATERIAL: A ML PC04			REV. CODE: DDI	NUMBER: PC04-0-1	REV: V
FINISH: /		SCALE: 2 OF 2	SHEET: 1 OF 2		

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LEGEND		
MODEL	CY	VARIATION COMPOSITION
PC04 B, B&B, B1	60	READER & PUNCH
PC04 BA, BC, BM	50	READER & PUNCH II
PC04 C, C1	60	READER, PUNCH & SCR
PC04 CA, CM	50	READER, PUNCH II & SCR
PC04 P, P&PL	60	PUNCH
PC04 PA, PM	50	PUNCH
PC04 R, R&RB	50	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, B1, B&B, DETAIL "B" FOR MODEL BA, BC, BM, DETAIL "C" FOR MODEL C, C1, AND DETAIL "D" FOR MODEL CA, CM. MODEL "R" AND "P" HAVE NO EFFECT.
  2. IF THE SCR DRIVER UNIT IS USED, THIS WIRE WILL CONNECT TO SCR DRIVER #1, 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) REGB.
  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	DATE	BY	CHKD	DESCRIPTION
1	11/16/67	BECKNER	BECKNER	REVISED TO ADD PARTS LIST
2	11/16/67	BECKNER	BECKNER	REVISED TO ADD PARTS LIST
3	11/16/67	BECKNER	BECKNER	REVISED TO ADD PARTS LIST
4	11/16/67	BECKNER	BECKNER	REVISED TO ADD PARTS LIST
5	11/16/67	BECKNER	BECKNER	REVISED TO ADD PARTS LIST
6	11/16/67	BECKNER	BECKNER	REVISED TO ADD PARTS LIST
7	11/16/67	BECKNER	BECKNER	REVISED TO ADD PARTS LIST
8	11/16/67	BECKNER	BECKNER	REVISED TO ADD PARTS LIST

FIRST USED ON OPTICH / MODEL PC04	QTY.	DESCRIPTION	PART NO.	ITEM NO.
PARTS LIST				
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES TOLERANCES DECIMALS FRACTIONS ANGLES ±.000 ±.004 ±.020 FINISH SURFACE QUALITY REMOVE BURRS AND BREAK SHARP EDGES	DRN 11/16/67	DATE 11/16/67	DIGITAL EQUIPMENT CORPORATION MILFORD, MASSACHUSETTS	
MATERIAL 7-7	NEXT HIGHER ASSY A-M-L-PC04-0	SCALE NONE	TITLE PC04 READER AND PUNCH	
FINISH 7-7	SHEET 1	OF 4	SIZE CODE DJA	NUMBER PC04-0-0

REVISED TO ADD PARTS LIST

A

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W 0-0-F 0001 D 2

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SEE NOTE 7

STAMP COMPLETE MODEL NO. HERE

PC04-BL  
0432  
DETAIL F

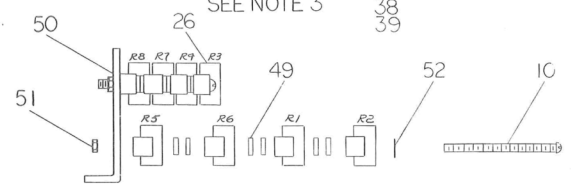
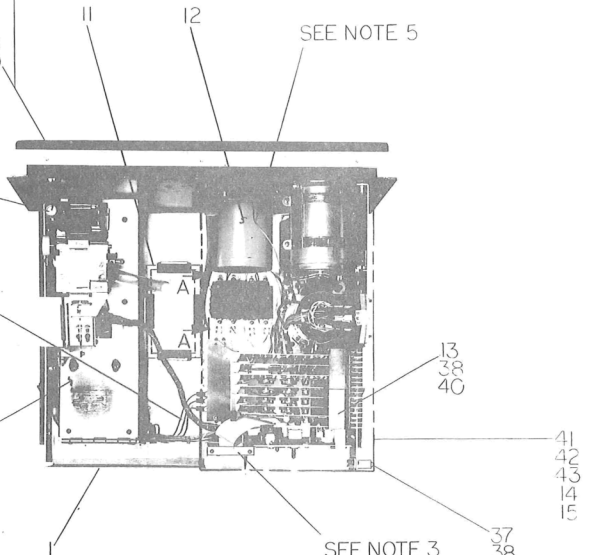
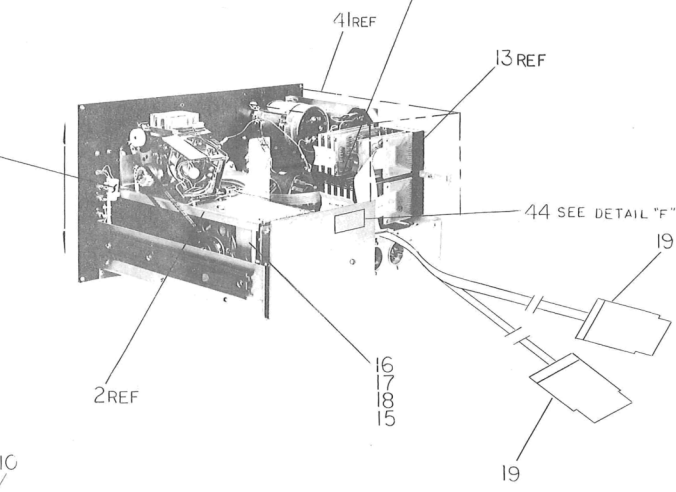
STAMP SERIAL NO. HERE  
(ALL PC04 TYPE UNITS ARE  
SERIALIZED IN A SINGLE  
SEQUENCE).

SEE NOTE 4

SEE NOTE 5

SEE NOTE 2

SEE NOTE 3



VIEW A-A

REV.	
CHANGE NO.	

QUANTITY	DESCRIPTION	PART NO.	ITEM NO.
	PC04		
PARTS LIST			
UNLESS OTHERWISE SPECIFIED		digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS	
UNLESS OTHERWISE SPECIFIED		TITLE PC04 READER AND PUNCH	
MATERIAL		NEXT HIGHER ASSY A-ML-PC04-0	
FINISH		SCALE NONE	
		SHEET 2 OF 4	
		SIZE CODE NUMBER DJA PC04-0-0	
		REV.	

REV. M  
NUMBER  
DJA PC04-0-0  
DRAWING

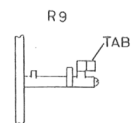
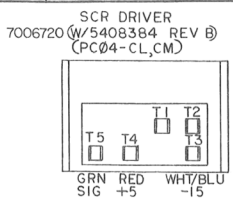
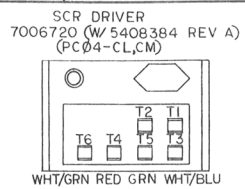
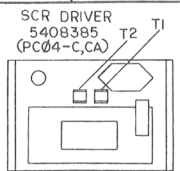
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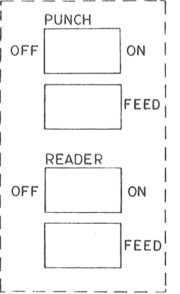
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TS  
(TOP VIEW)

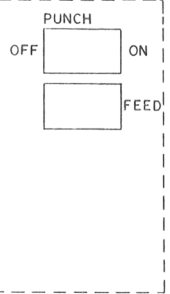
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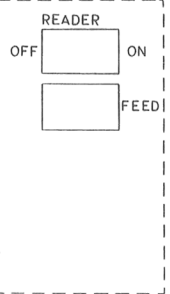
PC04-B,BA,BB,BC,BL,BM  
5408310-4  
DETAIL "A"



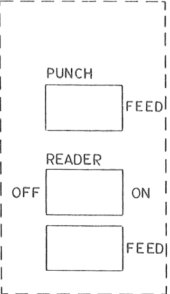
PC04-P,PA,PL,PM  
5408935-0  
DETAIL "B"



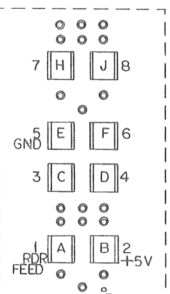
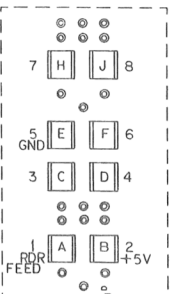
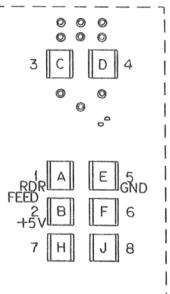
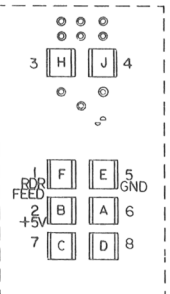
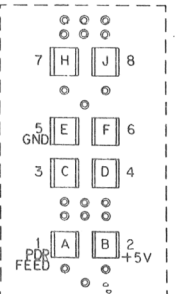
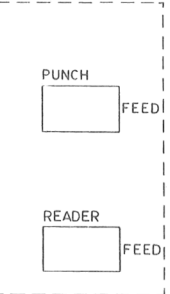
PC04-R,RB,RL  
5408935-0  
DETAIL "C"



PC04-C,CA  
5408310-3  
DETAIL "D"



PC04-CL,CM  
5408310-5  
DETAIL "E"



REV.
CHANGE NO.
CHK.

FIRST USED ON OPTION/MODEL	QTY.	DESCRIPTION	PART NO.	ITEM NO.
PC04				
PARTS LIST				
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES	DRN: B. HUTNAK	DATE: 4-12-69	digital EQUIPMENT CORPORATION	
TOLERANCES	CHKD: R. CARVELLI	DATE: 6-5-69	CORPORATION	
DECIMALS	ENR: G. BECKNER	DATE: 6-6-69	TITLE	
ANGLES	PROJ. ENG. G. BECKNER	DATE: 6-6-69	PC04	
xxx + .006			READER & PUNCH	
xx + .02			(SW & TERM LOCATIONS)	
x -.1				
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY	PROD. B. ANTONUCCIO	DATE: 6-6-69		
MATERIAL	NEXT HIGHER ASSY.		SIZE/CODE	NUMBER
FINISH	SCALE		DJA	PC04-0-0
	SHEET 3 OF 4		DIST	M

SIC FORM NO 610 100-A

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CONNECTIONS IF NO SCR DRIVER ASSY			
COLOR/AWG	WIRE	CONNECTION	REMARKS
RED #18	#9	TS-6	
BLK # YEL	PUNCH MOTOR	TS-6	IF PUNCH PRESENT
BLK # WHT			
RED #18	#7	SW BOARD-H	SEE DETAIL "A" OR "B" OR "C"

CONNECTIONS FOR 5408385 SCR DRIVER ASSY			
COLOR/AWG	WIRE	CONNECTION	REMARKS
RED #18	#9	SCR-T1	
BLK # YEL	PUNCH MOTOR	SCR-T2	
BLK # WHT			
RED #18	#7	SW BOARD-J	SEE DETAIL "D"
WHT/BLU #22	SCR LEAD	A07B	
WHT/GRN #22	SCR LEAD	B01B	

CONNECTIONS FOR 7006320 SCR DRIVER ASSY			
COLOR/AWG	WIRE	CONNECTION	REMARKS
RED #18	#9	SCR T1	
BLK # YEL	PUNCH MOTOR	SCR T2	
BLK # WHT			
RED #18	#7	SW BOARD-J	SEE DETAIL "E"
WHT/BLU #22	SCR LEAD	A07B	
WHT/GRN #22	SCR LEAD	A07C	NOT USED ON 5408385 REVB
RED #22	SCR LEAD	A07A	
GRN #22	SCR LEAD	B01F	

NOTE: SEE SHEET 3 FOR TERMINAL IDENTIFICATION DIAGRAMS.

PUNCH CONNECTIONS			
COLOR	WIRE	CONNECTION	REMARKS
WHT #22	PUNCH CAR	TS-7	

PLUG PUNCH DATA CABLE (W023) INTO SLOT B02

CONNECTIONS IF NO READER			
COLOR/AWG	WIRE	CONNECTION	REMARKS
GRY/RED #18	#7		SLEEVE WITH ITEM # 45 TO THE BACK

READER CONNECTIONS			
COLOR/AWG	WIRE	CONNECTION	REMARKS
GRY/RED #18	#7	R9 TAB	LAMP RESISTOR
WHT/RED	READER MOTOR	TS-1	
RED	READER MOTOR	TS-2	
WHT/GRN	READER MOTOR	TS-3	
GRN	READER MOTOR	TS-4	
WHT # BLK	READER MOTOR	TS-5	

PLUG READER PHOTOCELL CABLE (W077) INTO SLOT B08

READER WIRING					
ITEM NO	COLOR/AWG	FROM	USING ITEM NO.	TO	USING ITEM NO.
29	WHT/NO #22	R1 & R2	-	TS-1	28
30	WHT/YEL #22	R3 & R4	-	TS-2	28
31	WHT/GRN #22	R5 & R6	-	TS-3	28
32	WHT/BRN #22	R7 & R8	-	TS-4	28
33	VIO #22	R1	-	B06R	-
33	VIO #22	R2	-	B06S	-
34	YEL #22	R3	-	B05R	-
34	YEL #22	R4	-	B05S	-
35	ORN #22	R5	-	B04R	-
35	ORN #22	R6	-	B04S	-
36	BRN #22	R7	-	B03R	-
36	BRN #22	R8	-	B03S	-

SEE VIEW "A-A" ON SHEET 2 FOR IDENTIFICATION OF R1 THRU R8

WIRING ON PC04-BB, -BC, AND -RB ONLY					
ITEM NO	COLOR/AWG	FROM	TO		
57	GRN #24	A08H	A08F		

COMMON CONNECTIONS			
COLOR/AWG	WIRE	CONNECTION	REMARK
BLK #18	#27	GND LUG	LOGIC GND
GRY/YEL #18	#29	A08B	-15V
BLU #18	#31	B02D	-30V
BLK #18	#28	GND LUG	LOGIC GND
GRY/RED #18	#30	A08A	+5V
GRN #18	#22	B06V	-18V
YEL #22	#1	SW BOARD-A	SEE DETAILS "A" THRU "E" FOR LOCATION.
WHT/BLK #22	#2	SW BOARD-B	
WHT/YEL #22	#3	SW BOARD-C	
BRN #22	#4	SW BOARD-D	
BLK #22	#5	SW BOARD-E	
WHT #22	#6	SW BOARD-F	
RED #18	#8	SW BOARD-J	
YEL #22	#11	A01V	
WHT/BLK #22	#12	B07A	+5V
WHT/YEL #22	#13	A08F	
BLK #22	#15	B08C	
WHT #22	#16	B02U	

CONNECTION ON 7006268-0 LOGIC BLOCK (PC04-B, -BP, -BB, BC, -C, -CA, -P, -PA, -R, -RB)

CONNECTION ON 7006268-1 AND -2 LOGIC BLOCK (PC04-BL, -BM, -CL, -CM, -PL, -PM, -RL)

FIRST USED ON OPTION/MODEL	QTY.	DESCRIPTION	PART NO.	ITEM NO.
PC04-0				

PARTS LIST			
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES	DATE	BY	TITLE
TOLERANCES	4-12-69	B. HUTNAK	PC04
DECIMALS	0-5-69	R. CARVELLI	READER & PUNCH (WIRING)
ANGLES	0-6-69	ENG. GEO. BECKNER	
XXX - 100	0-6-69	PROJ. ENG. GEO. BECKNER	
XX - 02	0-6-69	PROJ. B. ANTONUCCIO	
X - 1	0-6-69		

MATERIAL	NEXT HIGHER ASSY.	SIZE/CODE	NUMBER	REV.
+	A-ML-PC04	DJA	PC04-0-0	M

REV.	CHANGE NO.

REC FORM NO. 050 100-A

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QTY	DWG. NO. / PART NO.	DESCRIPTION	QUANTITY/VARIATION												
			PC04-BB	PC04-BA	PC04-BL	PC04-BK	PC04-C	PC04-CA	PC04-CL	PC04-CH	PC04-CP	PC04-PA	PC04-PL	PC04-PM	PC04-PR
1	D-AD-7006246-0-0	CHASSIS AND POWER SUPPLY ASSY	1	1	1	1	1	1	1	1	1	1	1	1	1
2	D-AD-7006248-1-0	PUNCH ASSY (60 HZ)	1	1	1	1	1	1	1	1	1	1	1	1	1
2	D-AD-7006248-2-0	PUNCH ASSY (50 HZ)	1	1	1	1	1	1	1	1	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	6	6
4	9006560	NPT, KSPS 6-32 X 5/16 X 5/32	2	2	2	2	2	2	2	2	2	2	2	2	2
5	<del>9006021-1</del>	<del>SCR, PHL PAN HD 6-32 X 5/16 LG SST</del>	<del>6</del>	<del>6</del>	<del>6</del>	<del>6</del>	<del>6</del>	<del>6</del>	<del>6</del>	<del>6</del>	<del>6</del>	<del>6</del>	<del>6</del>	<del>6</del>	<del>6</del>
6	1100106	THYRISTOR 0RS26SP4B4	1	1	1	1	1	1	1	1	1	1	1	1	1
7	9107278-3	1/8 ANG TEF TUBING RED	A/R	BA/BA/R	A/R	BA/BA/R	A/R	BA/BA/R	A/R	BA/BA/R	A/R	BA/BA/R	A/R	BA/BA/R	A/R
8	D-AD-7006252-1-0	COVER ASSY (PUNCH & READER)	1	1	1	1	1	1	1	1	1	1	1	1	1
8	D-AD-7006252-2-0	COVER ASSY (PUNCH)	1	1	1	1	1	1	1	1	1	1	1	1	1
8	D-AD-7006252-3-0	COVER ASSY (READER)	1	1	1	1	1	1	1	1	1	1	1	1	1
8	D-AD-7006252-4-0	COVER ASSY (PUNCH, READER & SCR)	1	1	1	1	1	1	1	1	1	1	1	1	1
8	D-AD-7006252-6-0	COVER ASSY (READER, PUNCH & SCR)	1	1	1	1	1	1	1	1	1	1	1	1	1
9	9006021-2	SCR, PHL FLAT HD 6-32 X 5/16 LG SST	4	4	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	4	4	4	4	4	4
11	C-MD-745300-0-0	CHAD BOX	1	1	1	1	1	1	1	1	1	1	1	1	1
12	D-AD-7006247-0-0	READER ASSY	1	1	1	1	1	1	1	1	1	1	1	1	1
13	E-AD-7006268-0-G	WIRED ASSY, PC04	1	1	1	1	1	1	1	1	1	1	1	1	1
13	E-AD-7006269-1-0	WIRED ASSY, PC04	1	1	1	1	1	1	1	1	1	1	1	1	1
13	E-AD-7006268-2-0	WIRED ASSY, PC04	1	1	1	1	1	1	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	3	3
15	9006033	WASHER, INT TCOOTH #6	15	15	15	15	15	15	15	15	15	15	15	15	15
16	C-AD-5400385-0-0	SCR DRIVER ASSY	1	1	1	1	1	1	1	1	1	1	1	1	1
16	C-AD-7006520-0-0	SCR DRIVER ASSY	1	1	1	1	1	1	1	1	1	1	1	1	1
17	9006026-1	SCR, PHL PAN HD 6-32 X 3/4 LG SST	2	2	2	2	2	2	2	2	2	2	2	2	2
18	9006801	HEX SPACER, 1/4" X 3/8 LG #6 HOLE	2	2	2	2	2	2	2	2	2	2	2	2	2
19	C-IA-7006201-C-0	I/O CABLE, PC04 (M033 TO M077)	2	2	2	2	2	2	2	2	2	2	2	2	2
19	D-IA-7407607-1-0	CABLE CONNECTOR M926 TO M033 S	2	2	2	2	2	2	2	2	2	2	2	2	2
19	D-IA-7006145-1-0	CABLE CONN (PUNCH) M926 TO M033	2	2	2	2	2	2	2	2	2	2	2	2	2
19	D-IA-7407607-3-0	CABLE CONNECTOR M926 TO M033 S	2	2	2	2	2	2	2	2	2	2	2	2	2
20	C-AD-5408310-4-0	SWITCH ASSY	1	1	1	1	1	1	1	1	1	1	1	1	1
20	C-AD-5408310-0-0	SWITCH ASSY	1	1	1	1	1	1	1	1	1	1	1	1	1
20	C-AD-5408310-3-0	SWITCH ASSY	1	1	1	1	1	1	1	1	1	1	1	1	1
20	C-AD-5408310-5-0	SWITCH ASSY	1	1	1	1	1	1	1	1	1	1	1	1	1
21	D-MD-7407131-0-0	TAPE CONTAINER	1	1	1	1	1	1	1	1	1	1	1	1	1
22	9006011-2	SCR, PHL FLAT HD 4-40 X 3/8 LG SST	2	2	2	2	2	2	2	2	2	2	2	2	2
23	9006556	NPT, HEX 4-40 X 1/4 X 1/16 SST	2	2	2	2	2	2	2	2	2	2	2	2	2
24	9006532	WASHER, INT TCOOTH #4	2	2	2	2	2	2	2	2	2	2	2	2	2
25	<del>9006026</del>	<del>SCR, PHL PAN HD 6-32 X 5/16 LG SST</del>	<del>2</del>	<del>2</del>	<del>2</del>	<del>2</del>	<del>2</del>	<del>2</del>	<del>2</del>	<del>2</del>	<del>2</del>	<del>2</del>	<del>2</del>	<del>2</del>	<del>2</del>
26	1109896	RES, 23 OHM 1/4W 40 W	8	8	8	8	8	8	8	8	8	8	8	8	8
28	9007917	SOLDERLESS CONN 18-22 AWG .250 TAB	4	4	4	4	4	4	4	4	4	4	4	4	4
29	9107400-97	WIRE, 22 AWG STRD TEFLON WHI/VIO TRACER	A/R	BA/BA/R	A/R	BA/BA/R	A/R	BA/BA/R	A/R	BA/BA/R	A/R	BA/BA/R	A/R	BA/BA/R	A/R

REV. CHANGE NO.	REV.
PC04-00053	M
REVISED REDRAWN	
DATE	12-13-71
BY	A-KENT
CHKD	Allen, Kent 4 Jan 72

FIRST USED ON 149 1074 MODEL  
PC04 (ALL)

UNLESS OTHERWISE SPECIFIED	
DIMENSION IN INCHES	
DECIMALS ± .003	FRACTIONS ± 1/64
ANGLES ± 0°30'	
FINISH SURFACE QUALITY	
REMOVE BURRS AND BREAK SHARP CORNERS	
MATERIAL	+
FINISH	+

DRN	R. HUTNAK	DATE	4-10-69
CHK'D	R. CARVELLI	DATE	6-5-69
ENG	GEO. BECKNER	DATE	6-5-69
PROJ. ENG.	GEO. BECKNER	DATE	6-6-69
PROD. R.	ANTONUCCIO	DATE	6-6-69
NEXT MKG. HER. ASSY.			
D-UA-FC04-0-0			
SCALE	+	SHEET	1 OF 2
SIZE CODE		NUMBER	REV.
CPL PC04-0-0			M
DIST.			

digital EQUIPMENT CORPORATION  
MAYNARD, MASSACHUSETTS  
TITLE  
PC04 READER  
AND PUNCH

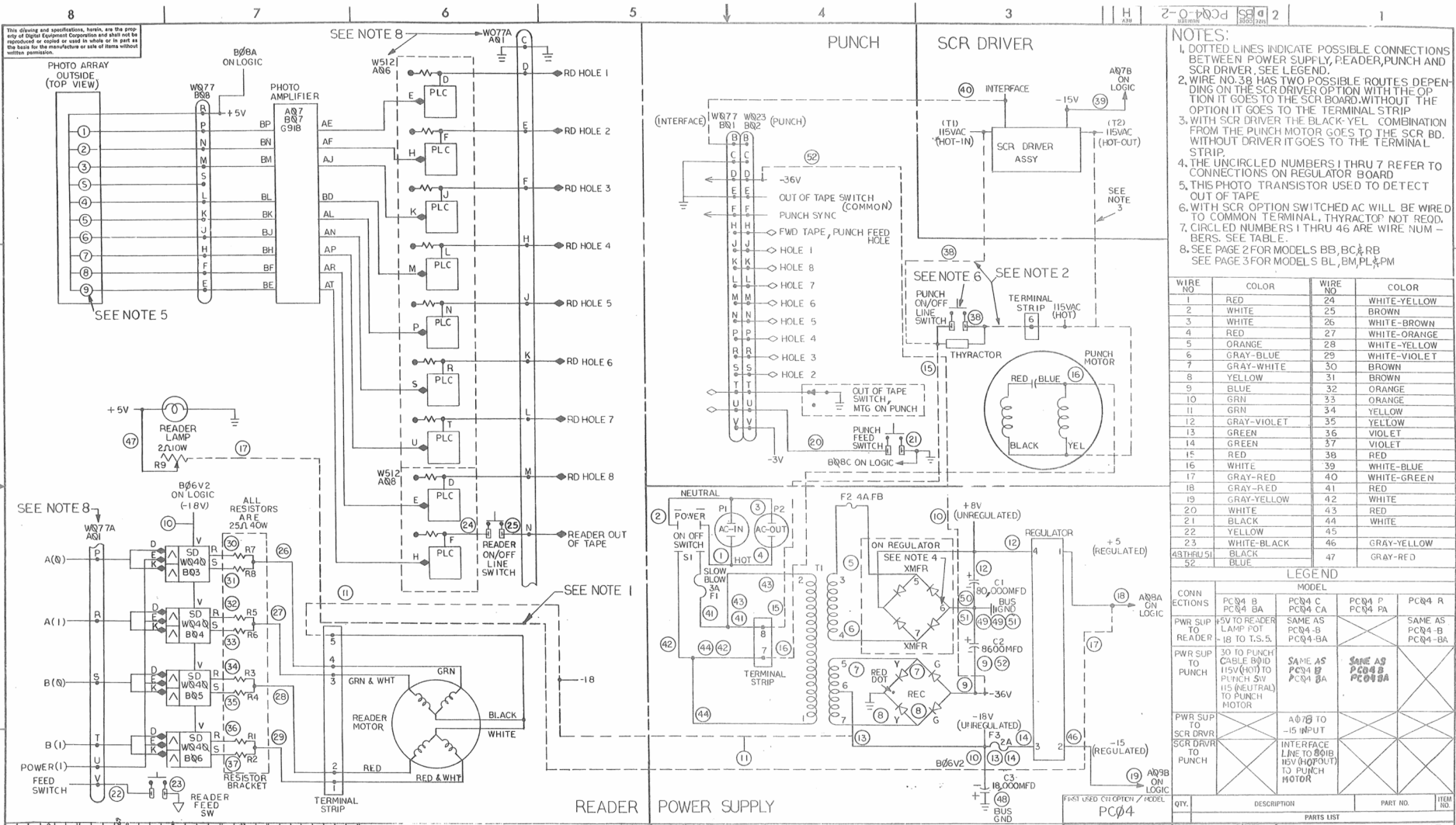
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ITEM NO.	DWG. NO./PART NO.	DESCRIPTION	PCØ4												
			PCØ4-1-BA	PCØ4-1-BC	PCØ4-1-BL	PCØ4-1-BM	PCØ4-1-C	PCØ4-1-CA	PCØ4-1-CL	PCØ4-1-CN	PCØ4-1-P	PCØ4-1-PA	PCØ4-1-PE	PCØ4-1-PH	PCØ4-1-PL
30	9107400-94	WIRE, 22 AWG STRD TEFLON WHT/YEL TRACER	A/R	RA/R	RA/R	RA/R	A/A	HA/R	HA/R	-	-	-	-	A/R	RA/R
31	9107400-93	WIRE, 22 AWG STRD TEFLON WHT/ORN TRACER	A/R	RA/R	RA/R	RA/R	A/A	HA/R	HA/R	-	-	-	-	A/R	RA/R
32	9107400-91	WIRE, 22 AWG STRD TEFLON WHT/BRN TRACER	A/R	RA/R	RA/R	RA/R	A/A	HA/R	HA/R	-	-	-	-	A/R	RA/R
33	9107350-77	WIRE, 22 AWG STRD TEFLON VIO	A/R	RA/R	RA/R	RA/R	A/A	HA/R	HA/R	-	-	-	-	A/R	RA/R
34	9107350-44	WIRE, 22 AWG STRD TEFLON YEL	A/R	RA/R	RA/R	RA/R	A/A	HA/R	HA/R	-	-	-	-	A/R	RA/R
35	9107350-33	WIRE, 22 AWG STRD TEFLON ORN	A/R	RA/R	RA/R	RA/R	A/A	HA/R	HA/R	-	-	-	-	A/R	RA/R
36	9107350-11	WIRE, 22 AWG STRD TEFLON BRN	A/R	RA/R	RA/R	RA/R	A/A	HA/R	HA/R	-	-	-	-	A/R	RA/R
37	9006043-1	SCR, PHL PAN HD 8-32 X 1 LG SST	1	1	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	2	2
39	9006823	HEX SPACER 3/8 X 3/4 LG #8	1	1	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	1	1
41	E-IA-7407438-0-0	POWER SUPPLY COVER	1	1	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	4	4
43	9006653	WASHER, FLAT #6 SST	14	14	14	14	14	14	14	10	10	10	10	12	12
44	9008141	DEC NAME PLATE	1	1	1	1	1	1	1	1	1	1	1	1	1
45	9107275	SHRINKABLE TUBING WHITE	-	-	-	-	-	-	-	A/R	RA/R	RA/R	-	-	-
46	<del>9006250-1-0</del>	<del>BUS BAR PCØ4 (8E)</del>	<del>1</del>	<del>1</del>	<del>1</del>	<del>1</del>	<del>1</del>	<del>1</del>	<del>1</del>	<del>1</del>	<del>1</del>	<del>1</del>	<del>1</del>	<del>1</del>	<del>1</del>
47	<del>91073067-1-0</del>	<del>E/O CNDS-PCØ4 (8E)</del>	<del>1</del>	<del>1</del>	<del>1</del>	<del>1</del>	<del>1</del>	<del>1</del>	<del>1</del>	<del>1</del>	<del>1</del>	<del>1</del>	<del>1</del>	<del>1</del>	<del>1</del>
48	<del>7006145-1</del>	<del>E/O CNDS-PCØ4 (8E)</del>	<del>1</del>	<del>1</del>	<del>1</del>	<del>1</del>	<del>1</del>	<del>1</del>	<del>1</del>	<del>1</del>	<del>1</del>	<del>1</del>	<del>1</del>	<del>1</del>	<del>1</del>
49	9006664	WASHER, FLAT #10	24	24	24	24	24	24	24	-	-	-	-	24	24
50	C-MD-7408091-0-0	BRK'T RESISTOR	1	1	1	1	1	1	1	-	-	-	-	1	1
51	9006565	NUT, KEPS 10-32 X 3/8 X 3/16	4	4	4	4	4	4	4	-	-	-	-	4	4
52	9006635	WASHER, INT TOOTH #10	4	4	4	4	4	4	4	-	-	-	-	4	4
53	9007799-6	SCR, PHL FILLISTER HD 8-32 X 1.5	1	1	1	1	1	1	1	1	1	1	1	1	1
54	1209850	UNIVERSAL MODULE RETAINER	1	1	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
56	C-IA-7408339-7-0	HOLD DOWN BAR (6")	1	1	1	1	1	1	1	-	-	-	-	1	1
57	9107470-55	WIRE, 24 AWG SOLID TEFLON GREEN	A/R	RA/R	-	-	-	-	-	-	-	-	-	RA/R	-

REV. CHANGE NO.	CHK	REV.	FIRST USED ON OPTION/MODEL PCØ4 (ALL)	UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES TOLERANCES DECIMALS FRACTIONS ANGLES ± .005 ± 1/64 ± 0°30'	DRN. R. HUTNAK	DATE 4-10-69	digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS
					CHK'D. R. CARVELLI	DATE 6-5-69	
				UNLESS OTHERWISE SPECIFIED FINAL SURFACE QUALITY REMOVE BURS AND BREAK SHARP CORNERS	ENS. GEO. BECKNER	DATE 6-6-69	TITLE PCØ4 READER AND PUNCH
				MATERIAL + +	PROJ. ENG. GEO. BECKNER	DATE 6-6-69	
				FINISH + +	PROD. R. ANTONUCCIO	DATE 6-6-69	SIZE/CODE C   PL PCØ4-Ø-Ø
					NEXT HIGHER ASSY. D-UA-PCØ4-Ø-Ø		
					SCALE + +		REV. M
					SHEET 2 OF 2		DIST.

B  
C  
A  
M  
PCØ4-Ø-Ø  
C | PL  
M

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- NOTES:**
1. DOTTED LINES INDICATE POSSIBLE CONNECTIONS BETWEEN POWER SUPPLY, READER, PUNCH AND SCR DRIVER. SEE LEGEND.
  2. WIRE NO. 36 HAS TWO POSSIBLE ROUTES. DEPENDING ON THE SCR DRIVER OPTION WITH THE OPTION IT GOES TO THE SCR BOARD. WITHOUT THE OPTION IT GOES TO THE TERMINAL STRIP.
  3. WITH SCR DRIVER THE BLACK-YEL COMBINATION FROM THE PUNCH MOTOR GOES TO THE SCR BD. WITHOUT DRIVER IT GOES TO THE TERMINAL STRIP.
  4. THE UNCIRCLED NUMBERS 1 THRU 7 REFER TO CONNECTIONS ON REGULATOR BOARD
  5. THIS PHOTO TRANSISTOR USED TO DETECT OUT OF TAPE
  6. WITH SCR OPTION SWITCHED AC WILL BE WIRED TO COMMON TERMINAL, THYRACTOR NOT REED.
  7. CIRCLED NUMBERS 1 THRU 46 ARE WIRE NUMBERS. SEE TABLE.
  8. SEE PAGE 2 FOR MODELS BB, BC & RB. SEE PAGE 3 FOR MODELS S, BL, PL & PM.

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	GRN	33	ORANGE
11	GRN	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	45	RED
23	WHITE-BLACK	46	GRAY-YELLOW
43THRU51	BLACK	47	GRAY-RED
52	BLUE		

**LEGEND**

CONN ACTIONS	MODEL PC04 B	MODEL PC04 C	MODEL PC04 P	MODEL PC04 R
PWR SUP +5V TO READER LAMP POT	PC04 B	PC04 C	PC04 P	PC04 R
TO READER	PC04 BA	PC04 CA	PC04 PA	PC04 RA
PWR SUP TO PUNCH	PC04 B	PC04 C	PC04 P	PC04 R
TO PUNCH	PC04 BA	PC04 CA	PC04 PA	PC04 RA
PWR SUP TO SCR DRIVER	PC04 B	PC04 C	PC04 P	PC04 R
TO PUNCH	PC04 BA	PC04 CA	PC04 PA	PC04 RA

**REVISIONS**

REV	CHANGED BY	DATE	DESCRIPTION
1	A.	11-15-62	INITIAL DESIGN
2	B.	11-15-62	REVISED FOR MANUFACTURE
3	C.	11-15-62	REVISED FOR MANUFACTURE
4	D.	11-15-62	REVISED FOR MANUFACTURE
5	E.	11-15-62	REVISED FOR MANUFACTURE
6	F.	11-15-62	REVISED FOR MANUFACTURE
7	G.	11-15-62	REVISED FOR MANUFACTURE
8	H.	11-15-62	REVISED FOR MANUFACTURE
9	I.	11-15-62	REVISED FOR MANUFACTURE
10	J.	11-15-62	REVISED FOR MANUFACTURE
11	K.	11-15-62	REVISED FOR MANUFACTURE
12	L.	11-15-62	REVISED FOR MANUFACTURE
13	M.	11-15-62	REVISED FOR MANUFACTURE
14	N.	11-15-62	REVISED FOR MANUFACTURE
15	O.	11-15-62	REVISED FOR MANUFACTURE
16	P.	11-15-62	REVISED FOR MANUFACTURE
17	Q.	11-15-62	REVISED FOR MANUFACTURE
18	R.	11-15-62	REVISED FOR MANUFACTURE
19	S.	11-15-62	REVISED FOR MANUFACTURE
20	T.	11-15-62	REVISED FOR MANUFACTURE
21	U.	11-15-62	REVISED FOR MANUFACTURE
22	V.	11-15-62	REVISED FOR MANUFACTURE
23	W.	11-15-62	REVISED FOR MANUFACTURE
24	X.	11-15-62	REVISED FOR MANUFACTURE
25	Y.	11-15-62	REVISED FOR MANUFACTURE
26	Z.	11-15-62	REVISED FOR MANUFACTURE

NOTE 9: SEE NOTE 4 ON AD-7006268-0-0 REFERENCE: 7006268-0-0 LOGIC BLOCK

**PC04**

UNLESS OTHERWISE SPECIFIED DIMENSIONS IN INCHES TOLERANCES DECIMALS FRACTIONS ANGLES ± .005 ± .164 ± .037 FINISH SURFACE QUALITY REMOVE BURRS AND BREAK SHARP CORNERS

**POWER AND CONTROL SCHEMATIC DIAGRAM**

SCALE: NONE

SHEET 1 OF 3

DATE: 11-15-62

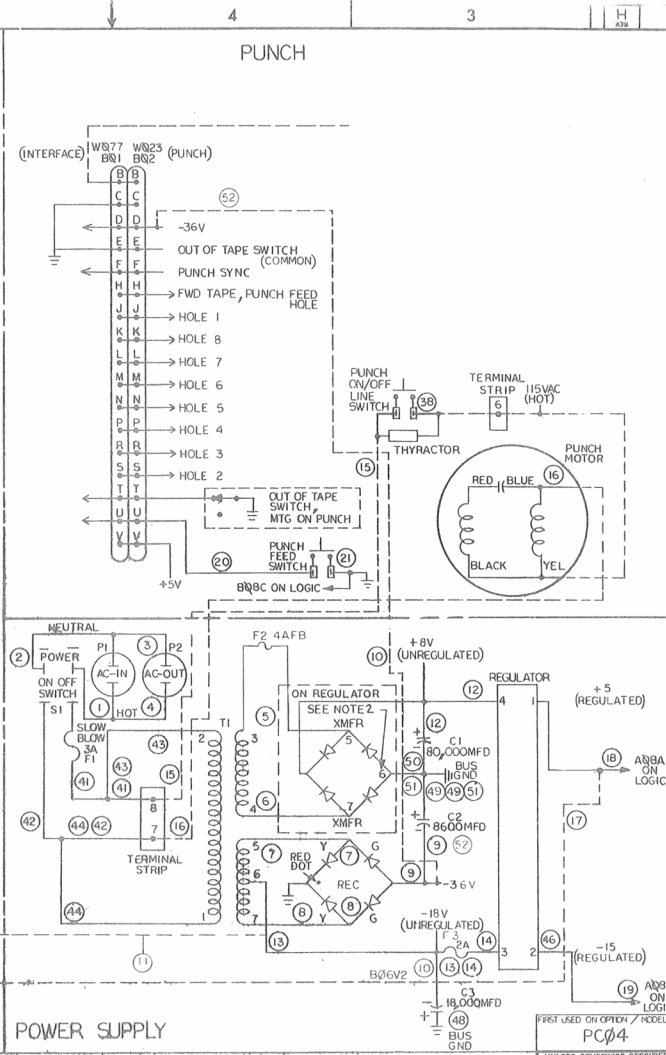
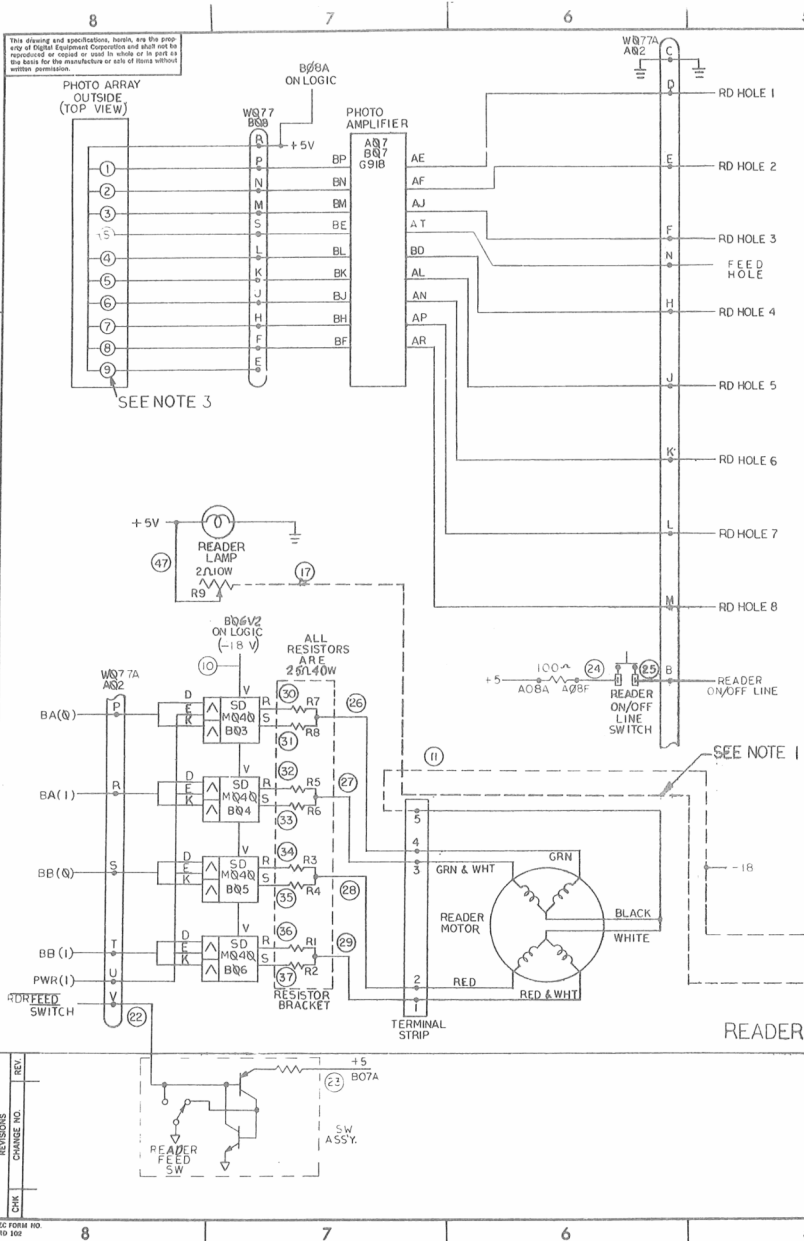
DESIGNED BY: [Signature]

CHECKED BY: [Signature]

APPROVED BY: [Signature]

REV: H

PC04-0-2



NOTES:

1. DOTTED LINES INDICATE POSSIBLE CONNECTIONS BETWEEN POWER SUPPLY, READER AND PUNCH.
2. THE UNCIRCLED NUMBERS 1 THRU 7 REFER TO CONNECTIONS ON REGULATOR BOARD.
3. THIS PHOTO TRANSISTOR IS NOT USED.
4. CIRCLED NUMBERS 1 THRU 46 ARE WIRE NUMBERS. SEE TABLE.

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	GRN	33	ORANGE
11	GRN	34	YELLOW
12	GRAY-VIOLET	35	YELLOW
13	GREEN	36	VIOLET
14	GREEN	37	VIOLET
15	RED	38	RED
16	WHITE		
17	GRAY-RED		
18	GRAY-RED	41	RED
19	GRAY-YELLOW	42	WHITE
20	WHITE	43	RED
21	BLACK	44	WHITE
22	YELLOW	46	GRAY-YELLOW
23	WHITE-BLACK	47	GRAY-RED
48 THRU 51	BLACK		

LEGEND

CONN ECTIONS	MODEL	PC04 P	PC04 RB
PC04 BB PC04 BC		PC04 PA	PC04 RB
PWR SUP TO READER	5W TO READER LAMP POT 1R TO T.S.5		SAME AS PC04-B PC04-BC
PWR SUP TO PUNCH	30 TO PUNCH CABLE 10 TO HS(V) TO PUNCH SW 15 (NEUTRAL) TO PUNCH MOTOR		SAME AS PC04 B PC04 B'

PC04

QTY.	DESCRIPTION	PART NO.	ITEM NO.
	PC04 P		
	PC04 RB		
	PC04 PA		
	PC04 B		
	PC04 B'		

UNLESS OTHERWISE SPECIFIED

DRAWN BY: [Signature] DATE: 2/2/69

CHECKED BY: [Signature] DATE: 2/2/69

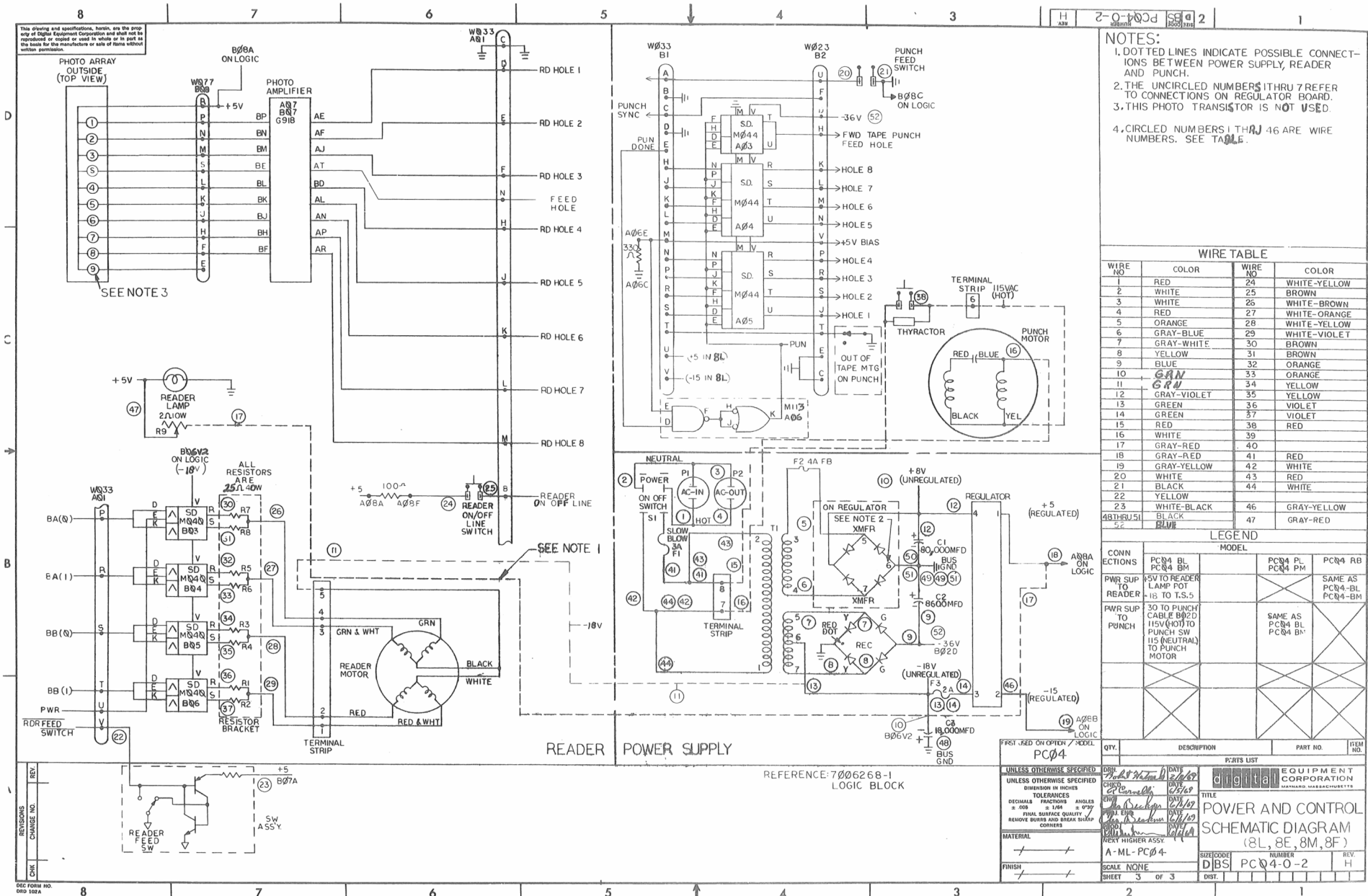
DESIGNED BY: [Signature] DATE: 2/2/69

DATE: 2/2/69

SCALE: NONE

SHEET 2 OF 3

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- NOTES:**
1. DOTTED LINES INDICATE POSSIBLE CONNECTIONS BETWEEN POWER SUPPLY, READER AND PUNCH.
  2. THE UNCIRCLED NUMBERS I THRU 7 REFER TO CONNECTIONS ON REGULATOR BOARD.
  3. THIS PHOTO TRANSISTOR IS NOT USED.
  4. CIRCLED NUMBERS I THRU 16 ARE WIRE NUMBERS. SEE TABLE.

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	GRAY	33	ORANGE
11	YELLOW	34	YELLOW
12	GRAY-VIOLET	35	YELLOW
13	GREEN	36	VIOLET
14	GREEN	37	VIOLET
15	RED	38	RED
16	WHITE	39	
17	GRAY-RED	40	
18	GRAY-RED	41	RED
19	GRAY-YELLOW	42	WHITE
20	WHITE	43	RED
21	BLACK	44	WHITE
22	YELLOW	45	
23	WHITE-BLACK	46	GRAY-YELLOW
48	BLACK	47	GRAY-RED
52	BLUE		

LEGEND			
CONN ECTIONS	MODEL	PC04 PL	PC04 RB
PWR SUP TO READER	PC04 BL PC04 BM	PC04 PL	SAME AS PC04-BL PC04-BM
PWR SUP TO PUNCH	30 TO PUNCH CABLE B02D 115V(HOT) TO PUNCH SW 115(NEUTRAL) TO PUNCH MOTOR	SAME AS PC04 BL PC04 BM	

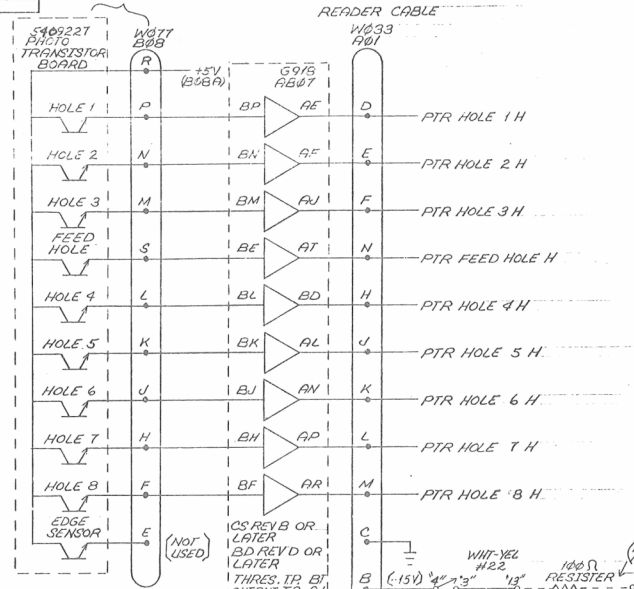
REV	DESCRIPTION	DATE	BY
1	REVISED ON ORDER	12/10/68	W. J. ...
2	REVISED ON ORDER	12/10/68	W. J. ...
3	REVISED ON ORDER	12/10/68	W. J. ...

QTY.	DESCRIPTION	PART NO.	ITEM NO.
1	PC04		

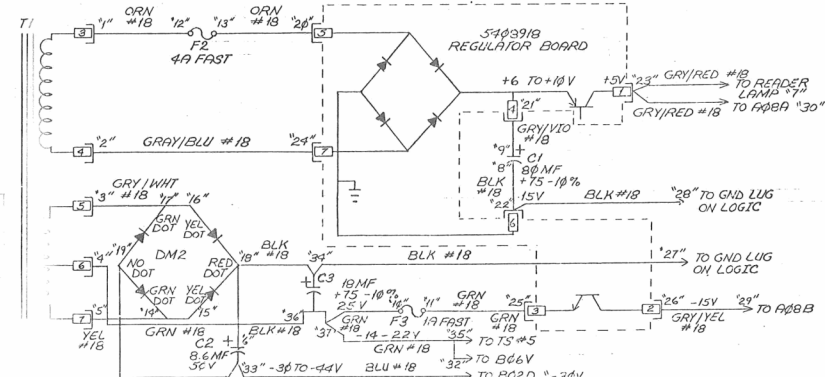
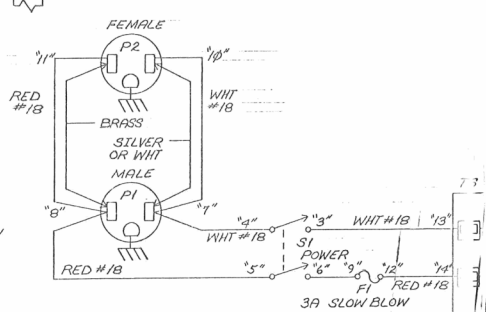
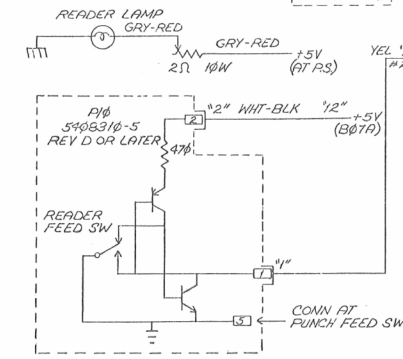
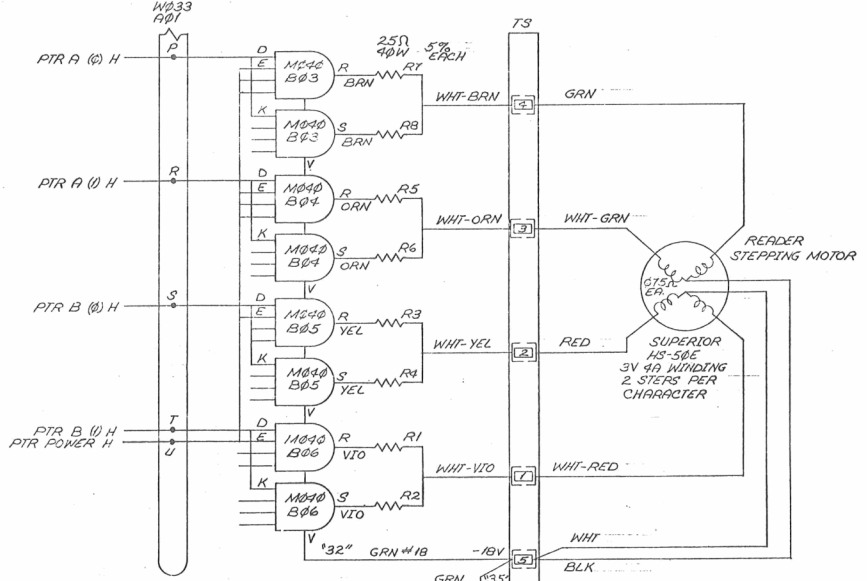
7. A drawing and specification from the property of Spall Equipment Corporation and shall not be reproduced or copied or used in whole or in part as the basis for the manufacture or sale of items without its prior permission.

**7006261 PHOTO TRANSISTOR ASSY REV.C OR LATER**



**READER CABLE**

**READER CABLE**



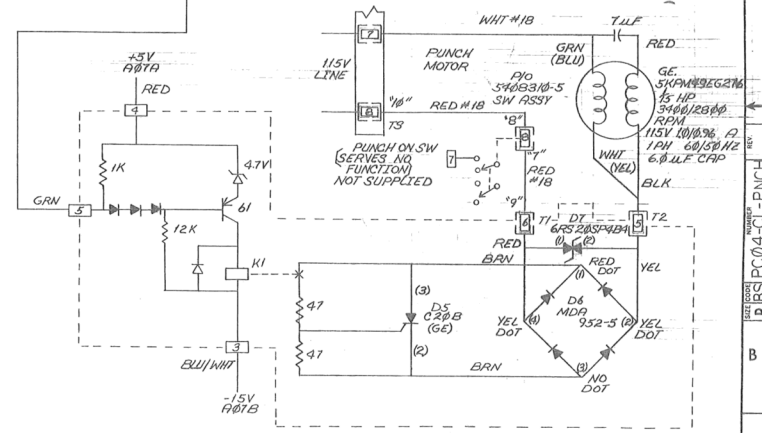
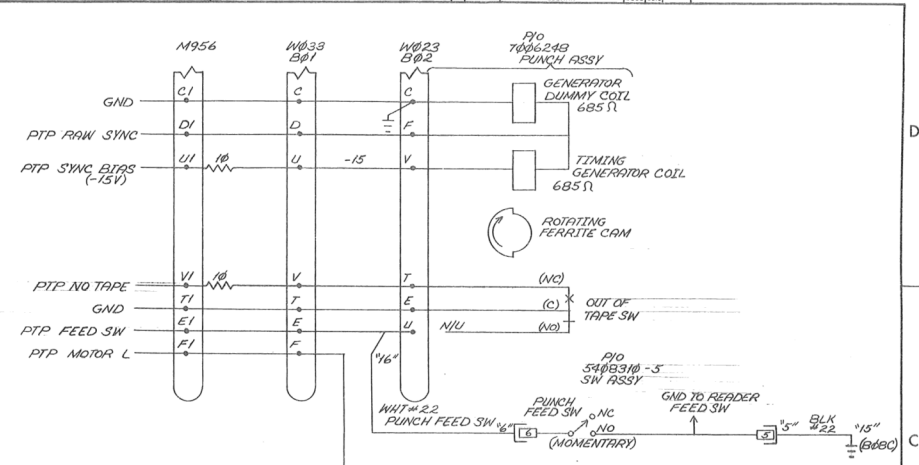
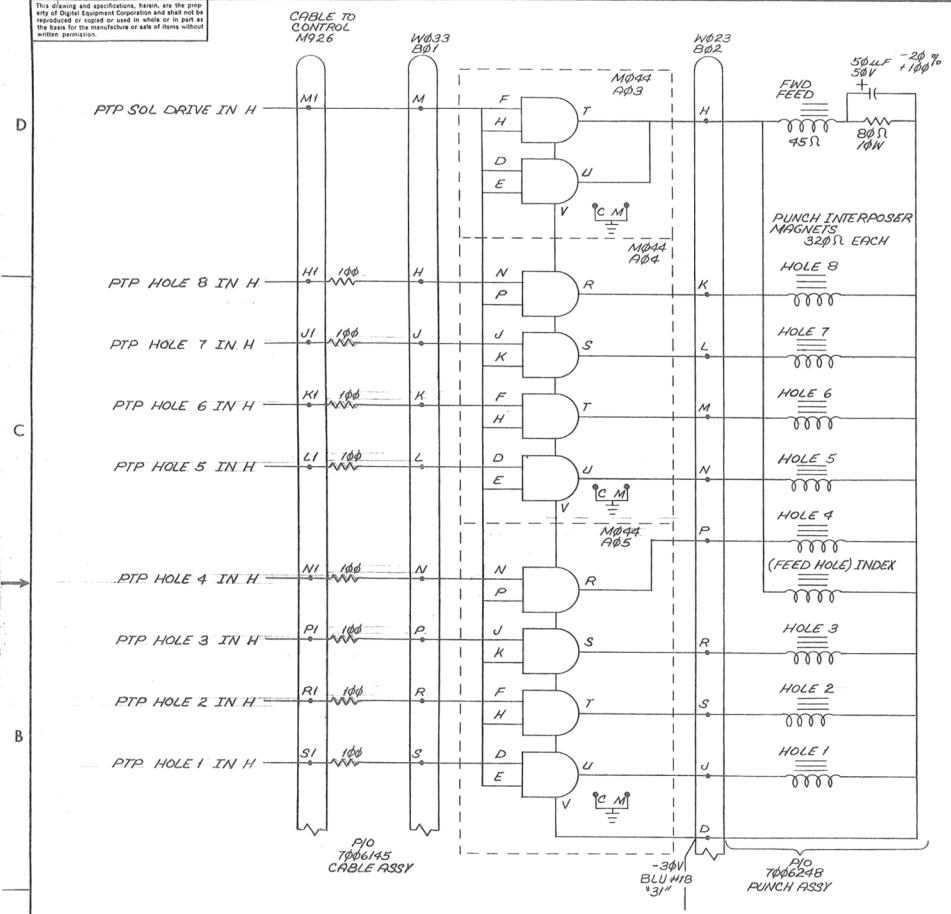
REVISIONS  
CHG. NO. REV.

UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES TOLERANCES		DRW. DATE 7-27-77	EQUIPMENT CORPORATION MILWAUKEE, WISCONSIN	
DECIMALS .005	ANGLES 4° 30'	CHKD. DATE 8-1-77	TITLE <b>READER AND POWER SUPPLY</b> (PC04-CL & CM)	
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY		ENG. DATE 8-1-77	SIZE CODE D BS	NUMBER PC04-CL-RD
MATERIAL		PROJ. ENG. DATE 8-1-77	SCALE	REV.
NEXT HIGHER ASSY.		DATE 8-1-77	SHEET	OF 1
FINISH				



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PC04-CL-PNCH 2



REVISIONS  
CHANGE NO.  
CHK

FIRST USED ON OPTION/MODEL	QTY.	DESCRIPTION	PART NO.	ITEM NO.
K110		PARTS LIST		
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES TOLERANCES				
DECIMALS	ANGLES	DATE 7-2-71		
.XXX - .005	15° 30'	DRN CH'D	digital EQUIPMENT CORPORATION MAYFIELD MASSACHUSETTS	
.XX - .02		ENG DES	TITLE	
.X - .1		PROJ. ENG. DES	PUNCH	
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY				
MATERIAL				
NEXT HIGHER ASSY.				
A-ML-PC04-0				
FINISH				
SCALE				
SHEET 1 OF 1				
SIZE CODE			NUMBER	REV.
D BS			PC04-CL-PNCH	

SEC FORM NO  
ORD 103-B

The drawing and specifications, herein, are the property of Digital Equipment Corporation and shall not be reproduced or copied in whole or in part, or used as the basis for the manufacture or sale of items without written permission.

NOTES:  
 1. G918 REVISION MUST BE "B" CIRCUIT SCHEMATIC, "D" ETCHED BOARD OR HIGHER.  
 2. \* 50 HZ VARIATION

1	2	3	4	5	6	7	8
W077						W512	G918
READER CABLE						LEVEL CONVERTER	

PC04-B-BA\*-C-CA\*  
 (SEE E-AD-7006268-0-0 WITH NOTE 4; PDP-8/S; 9, KAI0)

1	2	3	4	5	6	7	8

PC04-P-PA\*  
 (SEE E-AD-7006268-0-0 WITH NOTE 4; PDP-8/S)

1	2	3	4	5	6	7	8
W077						W512	G918
READER CABLE						LEVEL CONVERTER	

PC04-R  
 (SEE E-AD-7006268-0-0 WITH NOTE 4; PDP-8/S)

1	2	3	4	5	6	7	8
W077							G918
READER CABLE							PHOTO AMPLIFIER

PC04-BB-BC\*  
 (7006268-0; PDP-8/I)

1	2	3	4	5	6	7	8

PC04-PL-PM\*  
 (7006268-1; PDP-8/L-8/E-8/M-8/F)

1	2	3	4	5	6	7	8
W077							G918
READER CABLE							PHOTO AMPLIFIER

PC04-RB  
 (7006268-0; PDP-8/I)

1	2	3	4	5	6	7	8
W033							G918
READER CABLE							PHOTO AMPLIFIER

PC04-BL-BM\*  
 (7006268-1; PDP-8/L-8/E, -8/M, -8/F)

1	2	3	4	5	6	7	8
W033							G918
READER CABLE							PHOTO AMPLIFIER

PC04-RL  
 (7006268-1; PDP-8/L-8/E, -8/M, -8/F)

1	2	3	4	5	6	7	8
W033							G918
READER CABLE							PHOTO AMPLIFIER

PC04-CL-CM\*  
 (7006268-2; KI0)

REVISIONS

CHK	CHANGE NO.	REV
✓	PC04-00053	C
✓	REVISED DRAWING	
✓	REVISED DRAWING	
✓	REVISED DRAWING	
✓	REVISED DRAWING	
✓	REVISED DRAWING	
✓	REVISED DRAWING	
✓	REVISED DRAWING	
✓	REVISED DRAWING	
✓	REVISED DRAWING	

FIRST USED ON OPTION/MODEL	QTY.	DESCRIPTION	PART NO.	ITEM NO.
PC04-0				
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES.				
DECIMALS	ANGLES	TOLERANCES		
.xxx - .005	±0° 30'	DATE 6-5-69		
.x8 - .02		DATE 6-5-69		
.x - .1		DATE 6-6-69		
REMOVE BURNS AND BREAK SHARP CORNERS SURFACE QUALITY ✓				
PROD. RATIONUCCIO DATE 6-6-69				
NEXT HIGHER ASSY.				
MATERIAL	A - ML - PC04	SIZE CODE	NUMBER	REV.
FINISH	✓ - ✓	DMU	PC04-0-3	D
SCALE		SHEET		DIST.
1 OF 1		1		

digital EQUIPMENT CORPORATION  
 BOSTON MASSACHUSETTS  
 TITLE  
 MODULE UTILIZATION LIST PC04

DIGITAL EQUIPMENT CORPORATION  
MAYNARD, MASSACHUSETTS

PARTS LIST

MADE BY P. MARCOTTE  
DATE 6/15/69  
ENG G. BECKNER  
DATE 6/6/69  
CHECKED R. CARVELL  
DATE 6/15/69  
SECTION 1  
ISSUED SECT. 1

ITEM NO.	DWG NO. / PART NO.	DESCRIPTION	PC04-B-0	PC04-BA-0	PC04-C-0	PC04-CA-0	PC04-P-0	PC04-PA-0	PC04-R-0	PC04-BB-0	PC04-BC-0	PC04-RR-0
1	G918 *	PHOTO AMPLIFIER	1	1	1	1	1	1	1	1	1	1
2	<del>M040</del>	<del>NEGATIVE INPUT CONVERTER</del>	<del>4</del>	<del>4</del>	<del>4</del>	<del>4</del>	<del>4</del>	<del>4</del>	<del>4</del>			
3	W040	SOLENOID DRIVER	4	4	4	4	4	4	4			
4	W512	POSITIVE LEVEL CONVERTER	2	2	2	2	2	2	2			
5	M040	SOLENOID DRIVER (+ 8I)	4	4	4	4	4	4	4	4	4	4
6	M044	SOLENOID DRIVER (+8L)										
7	M113	10-2 INPUT NAND GATE										
* NOTE: G918 MUST BE D BOARD REV OR HIGHER												

TITLE MODULE UTILIZATION

ASSY NO. D-MU-PC04-0-3

SIZE CODE A PL

NUMBER PC04-0-3

REV ECO NO. PC04-00055  
D

DEC FORM NO. DRA 110

SHEET 1 OF 2 DIST.

DIGITAL EQUIPMENT CORPORATION  
MAYNARD, MASSACHUSETTS

PARTS LIST

MADE BY P. MARCOTTE  
DATE 6/15/69  
ENG G. BECKNER  
DATE 6/6/69  
CHECKED R. CARVELL  
DATE 6/15/69  
SECTION 1  
ISSUED SECT. 1

ITEM NO.	DWG NO. / PART NO.	DESCRIPTION	PC04-BB-0	PC04-RM-0	PC04-PL-0	PC04-PM-0	PC04-CL, -CM	PC04-RT
1	G918 *	PHOTO AMPLIFIER	1	1	1	1	1	1
2								
3	M040	SOLENOID DRIVER (-)						
4	W512	POSITIVE LEVEL CONVERTER						
5	M040	SOLENOID DRIVER (+)	4	4	4	4	4	4
6	M044	SOLENOID DRIVER (+ 8L)	3	3	3	3	3	3
7	M113	10-2 INPUT NAND GATE	1	1	1	1	1	1
* NOTE: G918 MUST BE D REV BOARD OR HIGHER								

TITLE MODULE UTILIZATION

ASSY NO. D-MU-PC04-0-3

SIZE CODE A PL

NUMBER PC04-0-3

REV ECO NO. D

DEC FORM NO. DRA 110

SHEET 2 OF 2 DIST.

QUANTITY / VARIATION

QUANTITY / VARIATION

1. This drawing was prepared in accordance with the applicable drawings of the equipment in which it is used. It is not to be used as a separate drawing unless specifically so indicated.

LEGEND		
PART #	MODEL USED ON	WIRELIST
7006268-0	PC04-B, BA, BB, BC, C, CA, P, PA, R, RB	K-WL-PC04-0-5
7006268-1	PC04-BL, BM, PL, PM, RL	K-WL-PC04-0-6
7006268-2	PC04-CL, CM	K-WL-PC04-0-7

- NOTES:**
- CONNECTIONS ON ITEM 3 & 4 TO BE SOLDERED AND LOCATED AT MINIMUM PRACTICAL HEIGHT ABOVE BLOCKS.
  - CONNECTOR BLOCKS TO BE GROUNDED TO GND LUG AS SHOWN.
  - USE BLUE WIRE (ITEM 8) FOR HAND WRAPPED WIRING.
  - 8088/85/81KALO TO CONVERT 7006268-0 BLOCK BACK TO REG. LOGIC MACHINES, DO FOLLOWING:
    - A. REMOVE TRANSISTORS IN READER FEED SWITCH ASSY.
    - B. WIRE CHANGES:
      - DELETE: - 8085 - 807E
      - ADD: - 8A2N - 8A9H
      - 808E 827E
      - 808E 827E
      - 808E 827E
      - 808E 827E
    - C. DELETE: 100 - RESISTOR FROM 808A - 808F

EXTERNAL COMPONENT TABLE						
ITEM	COMP	POL	FROM	TO	POL	REMARKS
10	CAP	+	A83A	A83C	-	6.8 $\mu$ F
10	CAP	-	B82B	B83C	+	6.8 $\mu$ F

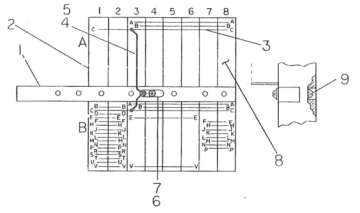
7006268-2

EXTERNAL COMPONENT TABLE						
ITEM	COMP	POL	FROM	TO	POL	REMARKS
10	CAP	+	A83A	A83C	-	
10	CAP	-	B82B	B83C	+	
12	RES	-	A88A	A88F		100 $\Omega$
13	RES	-	A86E	A86C		330 $\Omega$

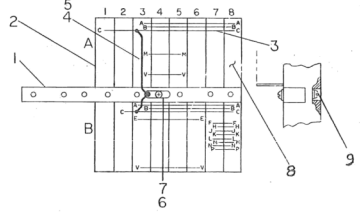
7006268-1

EXTERNAL COMPONENT TABLE						
ITEM	COMP	POL	FROM	TO	POL	REMARKS
10	CAP	+	A83A	A83C	-	
10	CAP	-	B82B	B83C	+	
12	RES	-	A88A	A88F		100 $\Omega$

7006268-0



7006268-0  
(8, 8S, 8I)



7006268-1  
(8L, 8E, 8M, 8F)  
7006268-2  
(K1 10)

REV	DATE	DESCRIPTION
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REV	DATE	DESCRIPTION
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10	7/30/58	REVISED BY: [Signature]
11	8/27/58	REVISED BY: [Signature]
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100	1/1/66	REVISED BY: [Signature]

**DIGITAL EQUIPMENT CORPORATION**  
MAYNARD, MASSACHUSETTS  
**PARTS LIST**

MADE BY	ROBERT HUTNAK	CHECKED	<i>Carwell</i>	SECTION	1
DATE	2/20/69	DATE	5/5/69	ISSUED SECT.	1
ENG	<i>Robert Hutnak</i>	PROD	<i>Robert Hutnak</i>		
DATE	<i>4/4/67</i>	DATE	<i>5/6/66</i>		

QUANTITY / VARIATION

ITEM NO.	DWG NO. / PART NO.	DESCRIPTION	7006268-0	7006268-1	7006268-2													
1	B-IA-7407077-0-0	MTG BAR 6 IN.	1	1	1													
2	1202244	144 PIN CONN BLOCK WRAPTYPE	2	2	2													
3	1202188	BUS BAR BERG NO. 3584-032	A/R	A/R	A/R													
4	9107560-1	#22 AWG BUS WIRE	A/R	A/R	A/R													
5	9107265	#22 TUBING, TEFLON, WHITE	A/R	A/R	A/R													
6	9007597	TERMINAL SHAKEPROOF #2116-08-00	1	1	1													
7	9006034	SCR PHL PAN HD #8-32 x .19 LG SST	1	1	1													
8	9107470-10	#24 AWG SOLID KYNAR BLUE	A/R	A/R	A/R													
9	9007641	SCR PHL FIL HD #8-32 x 1/2 LG SST	4	4	4													
10	1005306	CAP 6.8 MFD 35V 10%	2	2	2													
<del>11</del>	<del>1000086</del>	<del>CAP, 180 MFD 6V 10%</del>	<del>1</del>															
12	13-00231	RES 100ohm 1/4W 5%	1	1	-													
13	1300295	RES 330 OHM 1/4W 5%	-	1	-													
REF	K-WL-PC04-0-5	WIRE LIST	1	-	-													
REF	K-WL-PC04-0-6	WIRE LIST	-	1	-													
REF	K-WL-PC04-0-7	WIRE LIST	-	-	1													

TITLE	PC04 WIRED ASSY	ASSY NO.	E-AD-7006268-0-0	SIZE	A	CODE	PL	NUMBER	7006268-0-0	REV.	H	ECO NO.	PC04-00055
SHEET	1	OF	1	DIST.	G								

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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. Leis	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

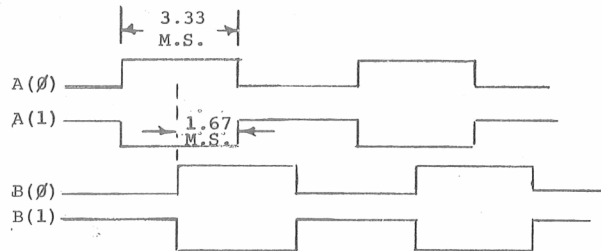
	Outputs	Inputs
Logic 1 is	>+2.4v	>+2.0v
Logic 0	<+0.4v	<+0.8v

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:



ENG <i>Charles A. Young</i>	APPD <i>John P. ...</i>	SIZE A	CODE SP	NUMBER PC04-0-4	REV A
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DEC FORM NO. DRA 107

SHEET 1 OF 7

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. ±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.

SIZE A	CODE SP	NUMBER PC04-0-4	REV A
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DEC FORM NO DRA 108A

SHEET 2 OF 7



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.

Power Supply

- (1) Regulated +5 volts  $\pm .25$  volts
- (2) Regulated -15 volts  $\pm 1.0$  volt
- (3) -36 volts  $\pm 4$  volts

Power Requirements

Unit will run at 50 or 60 cycles, 115 volts  $\pm 10\%$ . 2.5 AMPS run  
4 AMPS surge

Reader

- (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	CODE	NUMBER	REV
A	SP	PC04-0-4	A



TITLE PC04 Engineering Specification

Punch

- (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  $\pm 5\%$

Margins

+5v is +5v  $\pm .5v$   
-15v is -15v  $\pm 20\%$   
-30v is -36v  $\pm 15\%$

SIZE	CODE	NUMBER	REV
A	SP	PC04-0-4	A

digital

CONTINUATION SHEET

TITLE PCØ4 Engineering Specification

CONFIGURATION	REFERENCE BLOCK SCHEMATICS	PUNCH MODULES	INTERFACE CABLES	READER MODULES	APPLICABLE COMPUTERS
PCØ4P	D/BS/PCØ4-0-2 Page 1 of 3	None	1-WØ77A	N/A	PDP8; PDP8/S; PDP8/I
PCØ4PL	D/BS/PCØ4-0-2 Page 3 of 3	3-MØ44	1-WØ33A	N/A	PDP8/L; PDP8E
PCØ4R	D/BS/PCØ4-0-2 Page 1 of 3	N/A	1-WØ77A	1-G918 4-WØ40 2-W512	PDP8; PDP8/S
PCØ4RB	D/BS/PCØ4-0-2 Pages 2 and 3 of 3	N/A	1-WØ77A	1-G918 4-MØ40	PDP8/I; PDP8/L PDP8/E
PCØ4B	D/BS/PCØ4-0-2 Page 1 of 3	None	2-WØ77A	1-G918 4-WØ40 2-W512	PDP8; PDP8/S
PCØ4BB	D/BS/PCØ4-0-2 Page 2 of 3	None	2-WØ77A	1-G918 4-MØ40	PDP8/I
PCØ4BL	D/BS/PCØ4-0-2 Page 3 of 3	3-MØ44	2-WØ33C	1-G918 4-MØ40	PDP8/L; PDP8/E
PCØ4C	D/BS/PCØ4-0-2 Page 1 of 3	None	2-WØ77A	1-G918 4-WØ40 2-W512	PDP9; PDP1Ø

TABLE 1-1  
PCØ4 Configuration

SIZE **A** CODE SP NUMBER PCØ-0-4 REV **A**

digital

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/bo.
  - h. Check for continuity between reader lamp ground slot and chassis ground.
  - i. Check the following wires for proper connection.

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	

- 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).

SIZE **A** CODE SP NUMBER PCØ4-0-4 REV **A**



**ENGINEERING SPECIFICATION**

CONTINUATION SHEET

TITLE PC04 Engineering Specification - Test Procedure for Reader

- B. -15 volts on A08B and B08B ( $\pm 1$  volts).
- C. -30 volts on B06V and B02D (-32 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  
PC04-0-4REV  
A





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REV 1-0-50 d 1 2 1

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									
1	PCØ5- READER, PUNCH.	D-UA-PCØ5-O-O				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-5408310-1-0 C-AD-5408935-0-0 C-AD-5408310-3-0 A-PL-5408310-0-0 B-MD-7407175-0-0				1	PAPER TAPE PUNCH READER SCR PCØ5-CA-READER-PUNCH-Ø-DRIVER	A-ML-PCØ5-D A-ML-ØØ5Ø-CA A-ML-ØØ5Ø-R A-ML-ØØ5Ø-DA A-ML-ØØ5Ø-Ø D-BS-PCØ5-Ø-4 C-MU-PCØ5-3 A-PL-PCØ5-3 A-SP-PCØ5-0-Ø						
2	PCØ5 READER & PUNCH (PL) CHAD BOX TAPE CONTAINER POWER SUPPLY COVER SCR MODULE RETAINER HOLD DOWN BAR PACKAGING INSTRUCTION PCØ READER & PUNCH PUNCH ASSY (5Ø CY) PUNCH ASSY (5Ø CY) PUNCH ASSY (PL) CHAD TUBE PUNCH MTG CHASSIS HINGE SHIELD PUNCH CONTACTS TAPE DEPRESSOR P/N PULLY (5ØCY) PULLY (5ØCY) PAPER TAPE PUNCH FEED BRKT TAPE CHUTE TORSION SPRING	A-PL-PCØ5-J-Ø B-MD-740530Ø-Ø-Ø D-MD-7407131-Ø-Ø C-MD-740ØØ91-Ø-Ø E-1A-740743Ø-Ø-Ø C-1A-7405642-Ø-Ø C-1A-740Ø334-7-Ø A-PL-740700Ø4-Ø-Ø				5	PHOTO TRANSISTOR BD ASSY	B-1A-5405227-0-0				17	PCØ SWITCH BOARD FLIP CHIP MODULE	D-1A-5008308-0-0 D-MD-1402230-0-0					7	CHASSIS & POWER SUPPLY ASSY	D-AD-70ØØ246-Ø-Ø A-PL-70ØØ246-Ø-Ø D-1A-7407075-Ø-Ø C-MD-7407065-1-Ø C-MD-7407065-2-Ø E-1A-7407074-Ø-Ø C-MD-5305641Ø-Ø D-1A-70ØØ311-Ø-Ø D-1A-70ØØ310-Ø-Ø D-1A-70ØØ309-Ø-Ø A-DC-7407476-Ø-Ø					
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 SLØ SYN MOTOR REWORK SHIM LENS	D-AD-70ØØ248-1-Ø D-AD-70ØØ248-2-Ø A-PL-70ØØ248-Ø-Ø B-MD-7407395-Ø-Ø D-1A-7407071-Ø-Ø B-MD-7407063-Ø-Ø B-MD-7407132-Ø-Ø D-SC-12Ø9395-Ø-Ø B-MD-740ØØ12-Ø-Ø B-MD-740ØØ89-1-Ø B-MD-740ØØ89-2-Ø D-MD-740ØØ88-Ø-Ø D-1A-740ØØ71-Ø-Ø C-SC-12Ø9394-Ø-Ø				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 HARNES. CONTROL HARNES. I/O 11Ø VAC HARNES POWER SUPPLY DECAL (PCØ5)	D-AD-70ØØ246-Ø-Ø A-PL-70ØØ246-Ø-Ø D-1A-7407075-Ø-Ø C-MD-7407065-1-Ø C-MD-7407065-2-Ø E-1A-7407074-Ø-Ø C-MD-5305641Ø-Ø D-1A-70ØØ311-Ø-Ø D-1A-70ØØ310-Ø-Ø D-1A-70ØØ309-Ø-Ø A-DC-7407476-Ø-Ø				18	PCØ5 BUS BAR MTG. BAR (Ø IN.)	D-1A-5008308-0-0 D-MD-1402230-0-0				11	TRIAC DRIVER ASSY CIRCUIT SCHEMATIC	D-AD-70ØØ520-Ø-Ø C-ØØ520Ø-Ø-Ø				19	BUS BAR (PCØ5)	C-AD-70ØØ253-Ø-Ø B-1A-7407071-Ø-Ø
						8	PWR REGULATOR ASSY PWR REGULATOR (PL) HEATSINK, PWR REGULATOR CIRCUIT SCHEMATIC	C-AD-70ØØ652-Ø-Ø A-PL-70ØØ652-Ø-Ø C-MD-70ØØ650-Ø-Ø B-CS-540Ø30Ø-Ø-1				19	PR SWITCH BOARD	D-1A-5008304-0-0						8	PWR REGULATOR ASSY CIRCUIT SCHEMATIC	C-AD-70ØØ652-Ø-Ø B-CS-540Ø30Ø-Ø-1				
						9	PWR REGULATOR BOARD ASSY	C-1A-5408918-0-0																		
						10	ETCH BOARD	D-1A-5008919-0-0																		
						11	TRIACDRIVER ASSY SCR DRIVER ASSY (PL) SCR DRIVER CHASSIS	C-AD-70ØØ652-Ø-Ø A-PL-70ØØ652-Ø-Ø C-1A-7407070-Ø-Ø																		
						12	TERMINAL BD ASSY	E-1A-5408384-0-0																		
						13	TERMINAL BOARD	C-1A-5008938-0-0																		
						14	COVER ASSEMBLY COVER ASSEMBLY COVER ASSEMBLY COVER ASSEMBLY (PL) COVER, PCØ (BASIC & COMB) COVER, PCØ (PUNCH) COVER, PCØ (READER) BEZEL PCØ SHIM, BEZEL	D-AD-70ØØ252-3-Ø D-AD-70ØØ252-4-Ø D-AD-70ØØ252-5-Ø A-PL-70ØØ252-Ø-Ø E-SC-12Ø9396-2-Ø E-SC-12Ø9396-4-Ø E-SC-12Ø9396-6-Ø D-MD-7407089-Ø-Ø C-MD-7407089-Ø-Ø																		
						15	BEZEL SWITCH SILK SCREEN BEZEL SWITCH SILK SCREEN BEZEL SWITCH SILK SCREEN	C-1A-7407134-5-Ø A-SS-7407134-5-1 C-1A-7407134-3-Ø A-SS-7407134-2-Ø C-1A-7407134-4-Ø A-SS-7407134-4-1																		

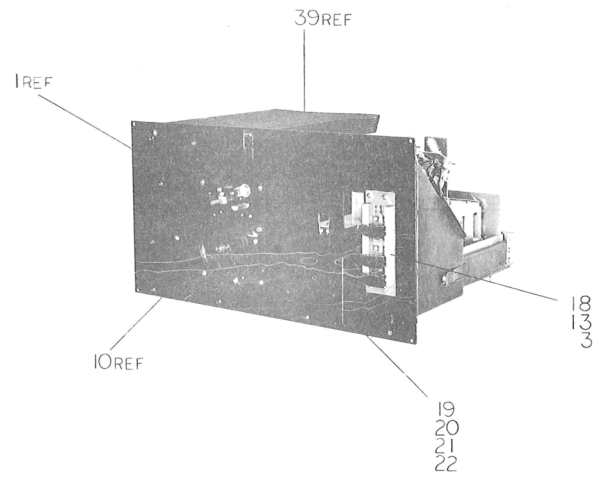
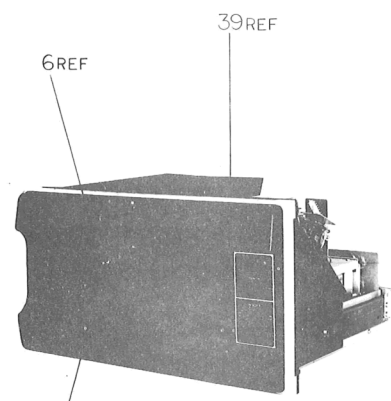
QTY.	DESCRIPTION	PART NO.	ITEM NO.
PARTS LIST			
FIRST USED ON OPTION / MODEL PCØ5			
DO NOT SCALE DRAWING			
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES			
TOLERANCES			
DECIMAL	FRACTIONS	ANGLES	
±.005	± 1/64	± Ø.30	
FIN. SURFACE QUALITY			
REMOVE BURRS AND BREAK SHARP CORNERS			
MATERIAL			
NEXT HIGHER ASSY A-ML-PCØ5-Ø			
FINISH			
SCALE			
SHEET 2 OF 2			
DATE: 11/16/67			
DRAWN: J. Connelly			
CHKD: J. Connelly			
ENG: J. Connelly			
PRD: J. Connelly			
TITLE: DRAWING INDEX LIST PCØ5			
SIZE CODE: DDI PCØ5-Ø-1			
NUMBER: V			

REV. CHANGE NO. DATE

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MODEL		LEGEND
MODEL	CY	VARIATION COMPOSITION.
PC05-C	60	READER PUNCH & DRIVER
PC05-CA	50	READER PUNCH & DRIVER
PC05-P	60	PUNCH
PC05-FA	50	PUNCH
PC05-R	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 "C" AND "CA", DETAIL B FOR MODEL "P" AND "PA", AND DETAIL "C" FOR MODEL "R". 50 60 CY HAS NO EFFECT.
  2. IF THE TRIAC DRIVER UNIT IS USED, THIS WIRE WILL CONNECT TO TRIAC DRIVER TERMINAL T1. IF THE UNIT IS NOT USED THIS WIRE WILL CONNECT TO TS-6 AND END. FOR CORRECT WIRING WHEN THE UNIT IS USED, SEE TRIAC 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 43) ADDED AS REQD.
  6. FOR REFERENCE SEE DRAWING INDEX D-DI-PC05-0-1
  7. ON MODELS PC05-C, CA, P, PA THESE WIRES WILL BE BUSSED TOGETHER AT COMMON TERMINAL ON SWITCH PANEL. ON "R" MODEL THESE WIRES WILL BE CONNECTED AS USUAL TO THEIR APPROPRIATE TERMINALS.
  8. MODULE HOLD DOWN BAR TO BE INSTALLED BEFORE SHIPPING MACHINE.

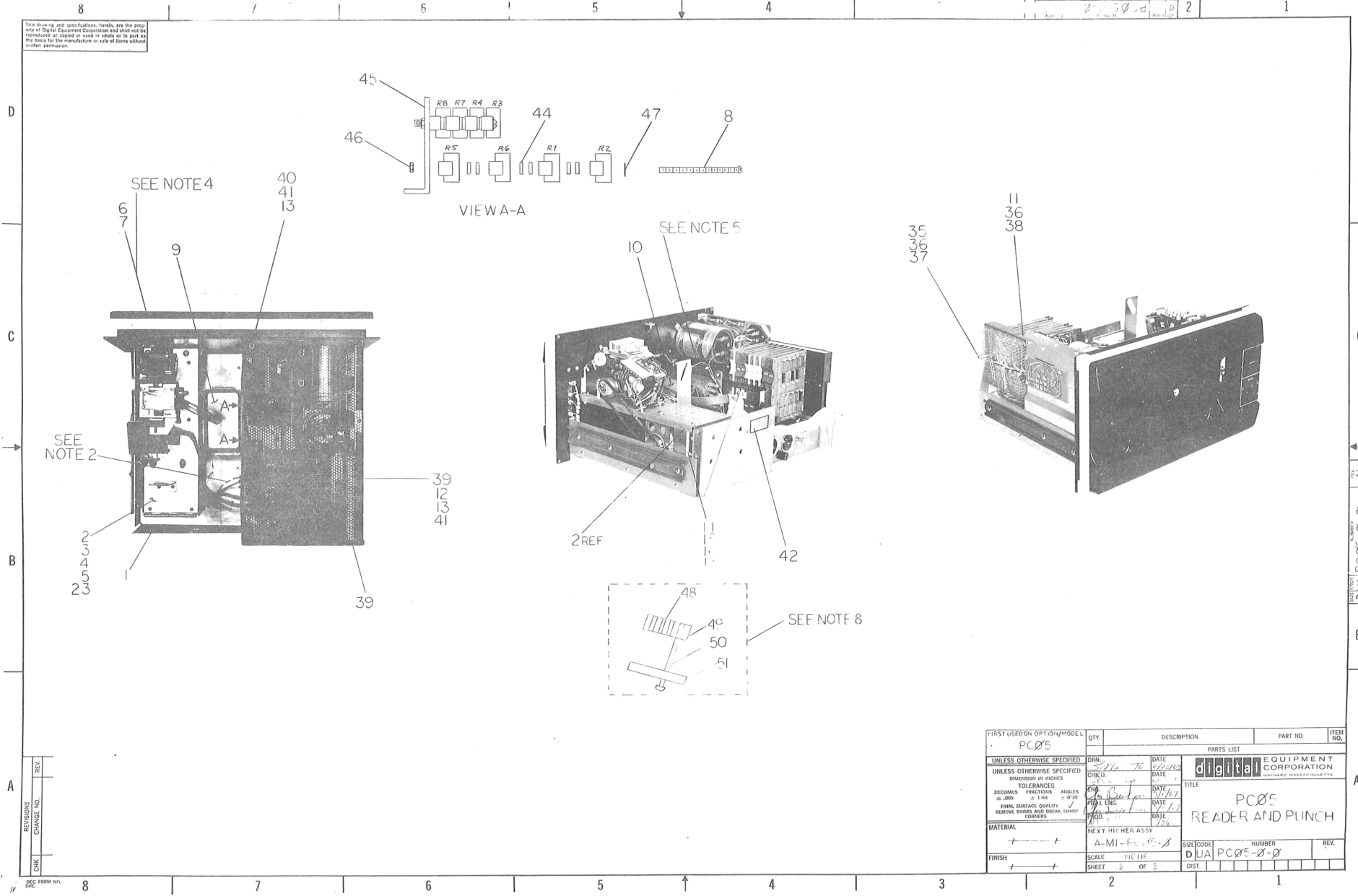


REV.	NO.	DATE	BY	CHKD.	DATE
1	PC05-00002	12/17/67	G. BECKNER		
2	PC05-00004	12/17/67	G. BECKNER		
3	PC05-00007	12/17/67	T. COLE		
4	PC05-00014	12/17/67	T. COLE		
5	PC04-00027	12/17/67	G. ADLEMAN		
6	PC05-00018	12/17/67	M. LEIS		
7	PC05-00019	12/17/67	M. LEIS		
8	PC05-00021	12/17/67	M. LEIS		
9	PC05-00024	12/17/67	M. LEIS		

FIN. IT USED ON OPTION / MODEL PC05	QTY.	DESCRIPTION	PART NO.	ITEM NO.
PARTS LIST				
UNLESS OTHERWISE SPECIFIED				
DIMENSIONS IN INCHES				
TOLERANCES				
DECIMALS FRACTIONS ANGLES				
±.005 ±.002 ±.010				
FINISH SURFACE QUALITY				
REMOVE BURRS AND BREAK SHARP CORNERS				
MATERIAL	NEXT HIGHER ASSY	SCALE	NUMBER	REV.
1-1/2	L-M-L-FC05-0	NONE	DUA PC05-0-0	N
FINISH	SHEET	OF	DIST.	
1-1/2	1	3		

ITEM NO. DUA PC05-0-0

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FIRST USED OR OPTION/MODEL	QTY.	DESCRIPTION	PART NO.	ITEM NO.
PC05				
PARTS LIST				
UNLESS OTHERWISE SPECIFIED	DRN.	DATE	digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS	
UNLESS OTHERWISE SPECIFIED	CHK'D	DATE	TITLE PC05 READER AND PUNCH	
DIMENSION IN INCHES				
TOLERANCES	ENGR.	DATE	SIZE CODE NUMBER DUA PC05-0-0	
DECIMALS FRACTIONS ANGLES				
±.000 ±.001 ±.010 ±.030			SCALE 1" = 1"	
FINISH SURFACE QUALITY				
REMOVE BURRS AND BREAK SHARP CORNERS			SHEET 2 OF 3	
MATERIAL	NEXT HIGHER ASSY			
FINISH	A-MI-f-l-r-c-s			

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### TRIAC DRIVER WIRE LIST

JUMPER CONNECTIONS			
WIRE	COLOR	CONNECTION	REMARKS
HARN WIRE T1	RED	T1	SEE NOTE 2
PUNCH MOT LEAD	BLK/YEL	T2	
T3	WHT/BLU	A11B2	
T4	RED	A11A2	
T5	GRN	A12N2	

### PUNCH WIRE LIST

HARNESS CONNECTIONS			
COLOR	WIRE NO.	LOCATION	REMARKS
BLK	5	PNCH SW1 TAB 5	SEE NOTE 1 SHEET 1
WHT	6	PNCH SW1 TAB 6	
RED	7	SWITCH PANEL TAB 7	SEE NOTE 7 SHEET 1
RED	8	SWITCH PANEL TAB 8	
RED	9	TS6	SEE NOTE 2 SHEET 1
GY/RED	8	DO NOT CONNECT	SEE NOTE 5
BLK	15	B12C2 (GND)	
WHT	16	A05T2	

### 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	B04M1	
WHT/BLK	12	B11A2 (+5)	
WHT/YEL	13	A11T1	
BRN	14	B04U1	
GY/RED	8	R9	

### HARNESS CONNECTIONS

COLOR	WIRE NO.	LOCATION	REMARKS
BLK	27	GND LUG	LOGIC GND
GY/YEL	29	A12B2	
GRN	31	A08V2	
BLK	28	GND LUG	LOGIC GND
GY/RED	30	A12A2	
GRN	32	A10V2	

### JUMPER CONNECTIONS

CONNECTIONS					
ITEM NO.	COLOR	TYPE ITEM	FROM	TO	TYPE ITEM
25	WHT	26	SEE BELOW*	TS-7	26

\* THIS END CONNECTS TO CAPACITOR ON PUNCH CHASSIS, ON TERMINAL WITH BLUE WIRE ATTACHED

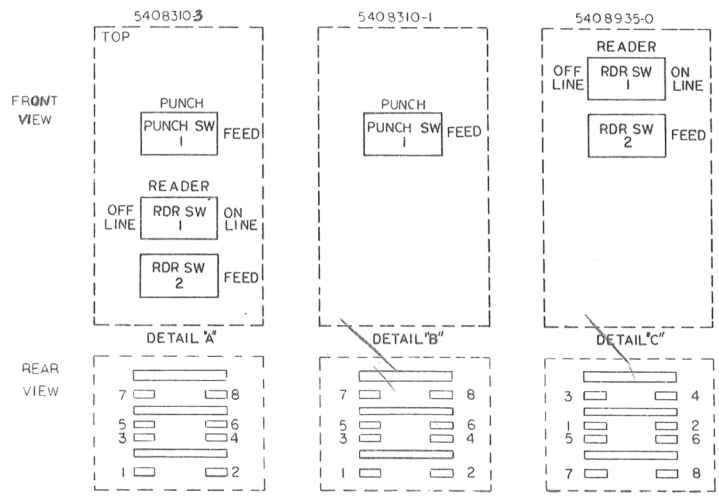
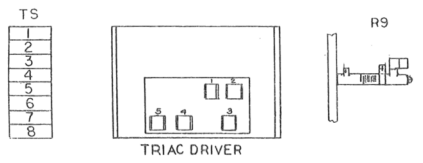
### JUMPER CONNECTIONS

CONNECTIONS					
ITEM NO.	COLOR	TYPE ITEM	FROM*	TO	TYPE ITEM
27	WHT/VIO	NONE	R1 & R2	TS-1	28
28	WHT/YEL		R3 & R4	TS-2	29
29	WHT/ORN		R5 & R6	TS-3	30
30	WHT/BRN		R7 & R8	TS-4	31
31	VIO		R1	B0BR2	NONE
31	VIO		R2	B0BS2	
32	YEL		R3	B07R2	
32	YEL		R4	B07S2	
33	ORN		R5	A10R2	
33	ORN		R6	A10S2	
34	BRN		R7	A09R2	
34	BRN	NONE	R8	A09S2	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	



PREFERRED OPTION / MODEL <b>PC05</b>	QTY.	DESCRIPTION	PART NO.	ITEM NO.
UNLESS OTHERWISE SPECIFIED UNLESS OTHERWISE SPECIFIED DIMENSIONS IN INCHES TOLERANCES DECIMAL FRACTIONS ANGLES ±.008 ±.154 ±.012 FINISH SURFACE QUALITY REMOVE BURRS AND BREAK BURRS CORNERS	DATE 10/22/67 DATE 11/16/67 DATE 11/16/67 DATE 11/16/67	PARTS LIST EQUIPMENT CORPORATION MATTHEW HANCOCKVILLE		
MATERIAL NEXT HIGHER ASSY A-ML-PC05-0	TITLE <b>PC05 READER AND PUNCH</b>			
FINISH NONE	SCALE NONE	SHEET 3 OF 3	BRZ/CODE DUA	NUMBER PC05-0-0

DIGITALEQUIPMENT CORPORATION  
MAYNARD, MASSACHUSETTS

PARTS LIST

MADE BY P. MARCOTTE  
DATE 6/19/69  
ENG *P. Marcotte*  
DATE *6/24/69*  
PROJ *Section 7/1/69*  
DATE *7/2/69*  
SECTION 1  
ISSUED SECT. 1

ITEM NO.	DWG NO. / PART NO.	DESCRIPTION	PC05-C	PC05-CA	PC05-P	PC05-PA	PC05-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				
2	D-AD-7006248-2-0	PUNCH ASSY (50 CY)		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	1			
6	D-AD-7006252-4-0	COVER ASSY (COMB)	4	4	4	4	4
7	9006021-2	SCR, PHL FH 6-32 x 5/16 LG SST	4	4			4
8	9006083-1	SCR, PHL PAN HD 10-32 x 2-1/2 LG SST	1	1	1	1	
9	C-MD-7405330-0-0	HEAD BOX	1	1			
10	D-UA-7006247-0-0	READER ASSY	1	1			1
11	C-AD-7006253-0-0	BUS BAR PC05	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	TRIAC 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			
<del>17</del>	<del>C-AD-5408310-1-0</del>	<del>SWITCH ASSY</del>	<del>2</del>	<del>2</del>			
18	C-AD-5408310-1-0	SWITCH ASSY	2	2			
18	C-AD-5408935-0-0	SWITCH ASSY	2	2			

TITLE PC05 READER, PUNCH, DRIVER  
ASSY NO. D-UA-PC05-0-0  
SIZE CODE A PL  
SHEET 1 OF 3  
DIST. G

REV. N  
ECO NO. PC05-00024

DIGITALEQUIPMENT CORPORATION  
MAYNARD, MASSACHUSETTS

PARTS LIST

MADE BY P. MARCOTTE  
DATE 6/19/69  
ENG *P. Marcotte*  
DATE *7/2/69*  
SECTION 1  
ISSUED SECT. 1

ITEM NO.	DWG NO. / PART NO.	DESCRIPTION	PC05-C	PC05-CA	PC05-P	PC05-PA	PC05-R
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/RA/R/A/R	A/RA/RA/R/A/R	A/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 PC05 READER, PUNCH, DRIVER  
ASSY NO. D-UA-PC05-0-0  
SIZE CODE A PL  
SHEET 2 OF 3  
DIST. G

REV. N  
ECO NO. PC05-00024



**DIGITAL EQUIPMENT CORPORATION**  
MAYNARD, MASSACHUSETTS

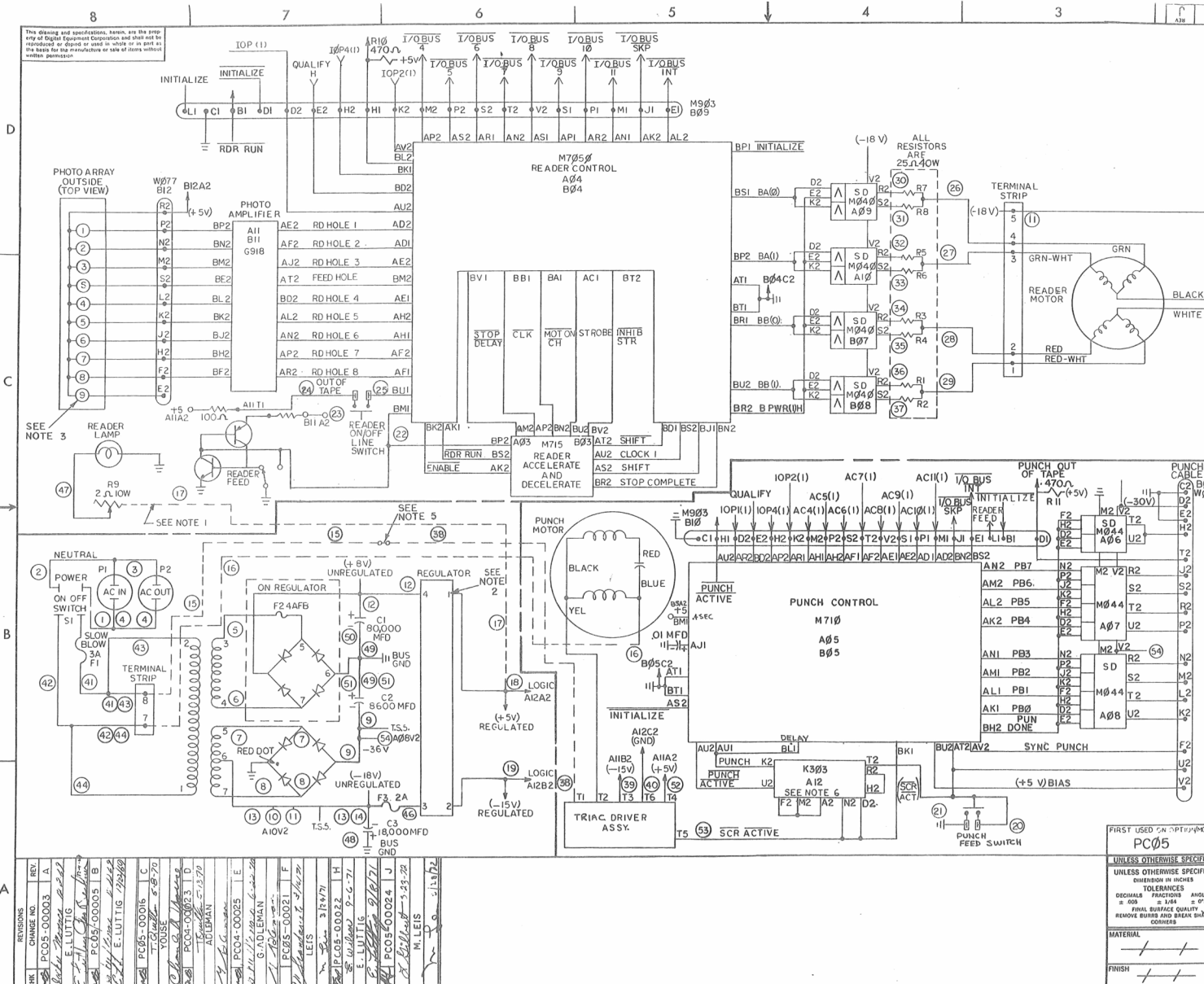
**PARTS LIST**

MADE BY P. MARCOTTE	CHECKED <i>R. Ansell</i>	SECTION
DATE 6/19/69	DATE 6/24/69	1
ENG	PROD <i>R. Marcotte</i>	ISSUED SECT.
DATE <i>P. Beckman 7/1/69</i>	DATE 7/2/69	1

QUANTITY / VARIATION

ITEM NO.	DWG NO. / PART NO.	DESCRIPTION	QUANTITY / VARIATION																	
			PC05-C	PC05-CA	PC05-P	PC05-PA	PC05-R													
40	9006024-1	SCR, PHL PAN HD 6-32 x 1/2 LG SST	6	6	2	2	6													
41	9006653	WASHER, FLAT #6 SST	5	5	5	5	5													
42	9008141	DEC NAME TAG	1	1	1	1	1													
43	9107252-09	WHITE SHRINKABLE TUBING								A/RA/E										
44	9006664	WASHER #10 SST	24	24			24													
45	G-MD-7408091-0-0	BRKT, RESISTOR	1	1			1													
46	9006565	NUT, KEP 10-32 SST	4	4			4													
47	9006635	WASHER INT. TOOTH #10	4	4			4													
48	9007799-6	SCR, PHL, FILLISTER HD 8-32X 1 1/2	1	1	1	1	1													
49	1209850	UNIVERSAL RETAINER	1	1	1	1	1													
50	C-IA-7405642-0-0	SCR MODULE RETAINER	1	1	1	1	1													
51	C-IA-7408339-7-0	HOLD DOWN BAR 6"	1	1	1	1	1													

TITLE PC05 READER, PUNCH, DRIVER	ASSY NO. D-UA-PC05-0-0	SIZE CODE <b>A PL</b>	NUMBER PC05-0-0	REV. ECO NO. N
SHEET 3 OF 3		DIST. <b>G</b>		



- NOTES:**
1. DOTTED LINES INDICATE POSSIBLE CONNECTIONS BETWEEN POWER SUPPLY, READER, PUNCH AND TRIAC 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, CA, P, PA 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	YELLOW
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	BROWN
48	BLACK	47	GRAY-RED
54	BLUE	55	BROWN

LEGEND			
CONNECTIONS	PC05-C MODEL	PC05-P MODEL	PC05-R MODEL
PWR SUP TO READER LAMP POT	PC05-C	PC05-P	PC05-R
PWR SUP TO PUNCH	PC05-C	PC05-P	PC05-C
TRIC DRIVER	PC05-C	PC05-P	PC05-C
PWR SUP TO TRIAC DRIVER	PC05-C	PC05-P	PC05-C

REV	DATE	BY	CHKD	APP
1	1/15/71	E. LUTTIG	E. LUTTIG	
2	1/22/71	E. LUTTIG	E. LUTTIG	
3	1/22/71	E. LUTTIG	E. LUTTIG	
4	1/22/71	E. LUTTIG	E. LUTTIG	
5	1/22/71	E. LUTTIG	E. LUTTIG	
6	1/22/71	E. LUTTIG	E. LUTTIG	
7	1/22/71	E. LUTTIG	E. LUTTIG	
8	1/22/71	E. LUTTIG	E. LUTTIG	

**PC05**

UNLESS OTHERWISE SPECIFIED  
DIMENSIONS IN INCHES  
TOLERANCES  
DECIMAL FRACTIONS ANGLES  
= .008 = 1/64 = 0°  
FINAL SURFACE QUALITY  
REMOVE BURRS AND BREAK SHARP CORNERS

MATERIAL: / /

FINISH: / /

DATE: 1/22/71  
BY: E. LUTTIG  
CHKD: E. LUTTIG  
APP: E. LUTTIG

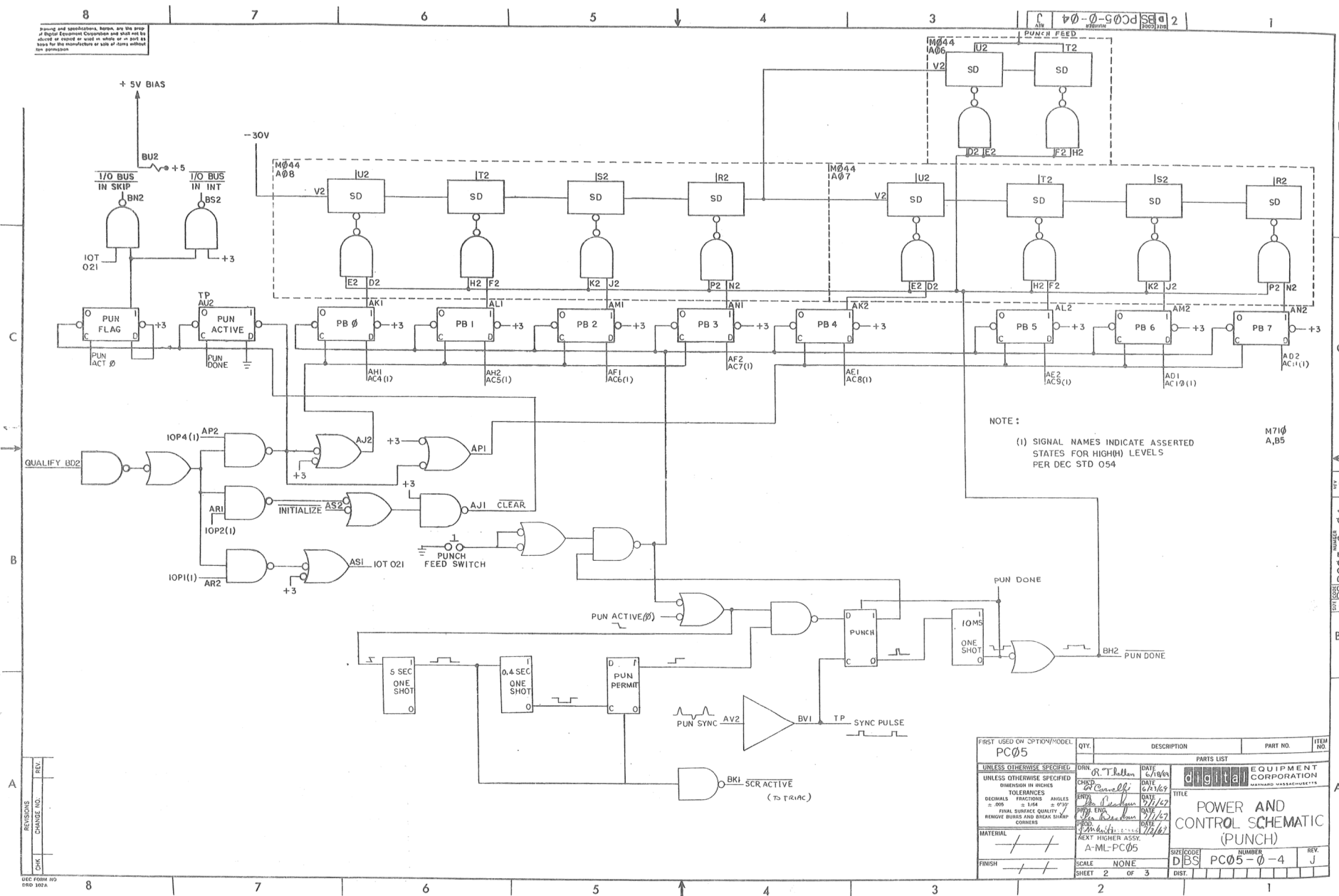
TITLE: POWER AND CONTROL SCHEMATIC

SIZE: A-ML-PC05  
SCALE: NONE  
SHEET 1 OF 3

PARTS LIST

QTY.	DESCRIPTION	PART NO.	ITEM NO.

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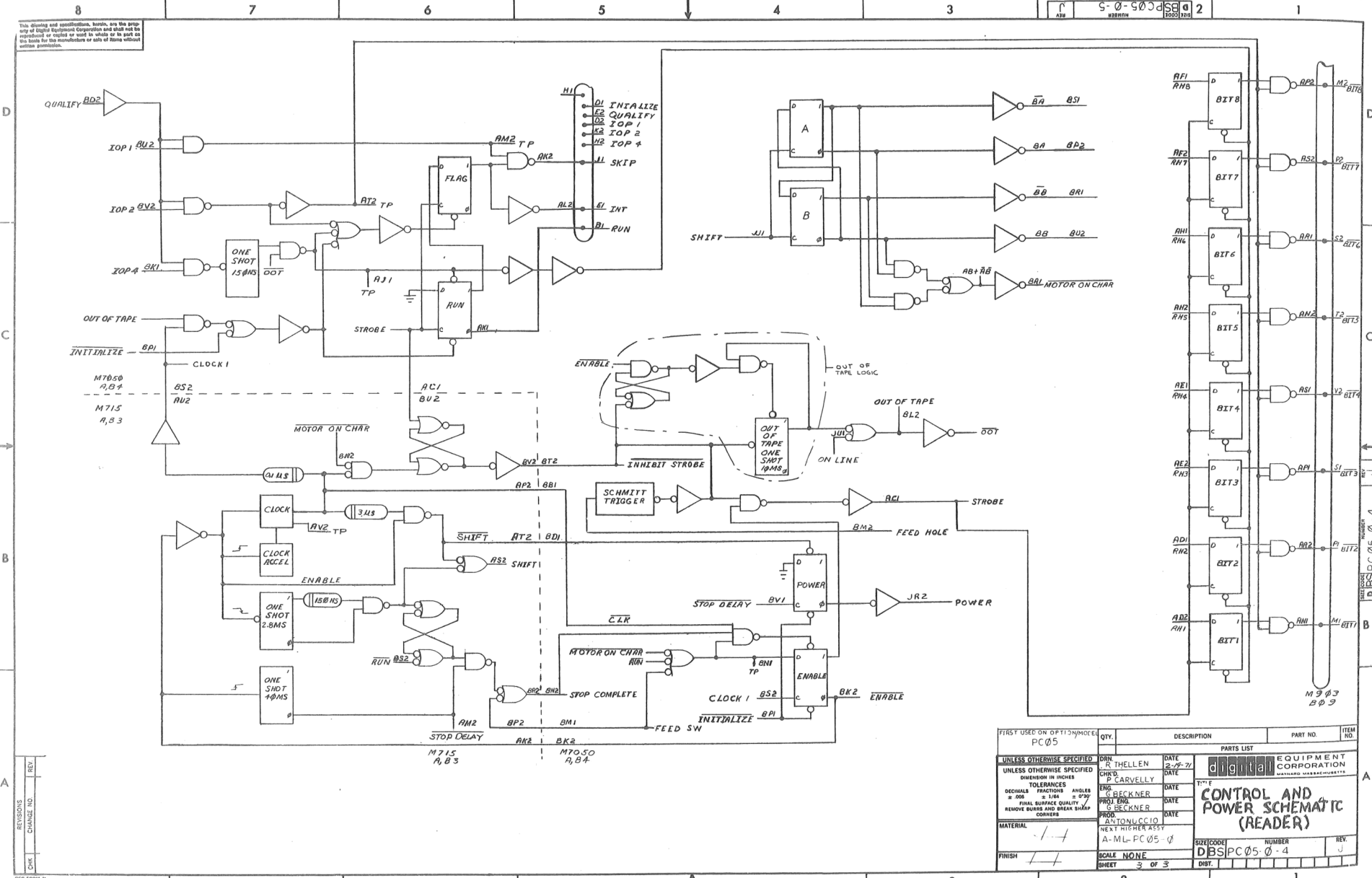


NOTE:  
(1) SIGNAL NAMES INDICATE ASSERTED STATES FOR HIGH(H) LEVELS PER DEC STD 054

FIRST USED ON OPTION/MODEL <b>PC05</b>		QTY:	DESCRIPTION	PART NO.	ITEM NO.
UNLESS OTHERWISE SPECIFIED: DIMENSIONS IN INCHES TOLERANCES DECIMALS FRACTIONS ANGLES ±.005 ±.1/64 ±.010 REMOVE BURRS AND BREAK SHARP CORNERS		DRN: R. Thelen CHK: J. Conolly ENG: J. Sweeney DES: J. Sweeney DATE: 6/18/69 DATE: 6/24/69 DATE: 7/17/69 DATE: 7/26/69	PARTS LIST <b>digital</b> EQUIPMENT CORPORATION WATUARD, MASSACHUSETTS		
MATERIAL: / /		NEXT HIGHER ASSY: A-ML-PC05		TITLE: <b>POWER AND CONTROL SCHEMATIC (PUNCH)</b>	
FINISH: / /		SCALE: NONE		SIZE/CODE: DBS NUMBER: PC05-0-4 REV: J	
SEC FORM NO 010 102A		SHEET 2 OF 3		DIST.	

REV. J  
PC05-0-4

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REV. NO. \_\_\_\_\_  
 CHANGE NO. \_\_\_\_\_

FIRST USED ON OPTION MODEL	QTY.	DESCRIPTION	PART NO.	ITEM NO.
PC05				

UNLESS OTHERWISE SPECIFIED	DRAWN	DATE
UNLESS OTHERWISE SPECIFIED	R. THELLEN	2-27-71
TOLERANCES	ENG. P. CARVELLY	DATE
DECIMALS	ENG. G. BECKNER	DATE
FRACTIONS	ENG. G. BECKNER	DATE
ANGLES	ENG. G. BECKNER	DATE
FINISH	ENG. G. BECKNER	DATE
REMOVE BURRS AND BREAK SHARP CORNERS	ENG. G. BECKNER	DATE
MATERIAL	ANTONUCCI	DATE
FINISH	NEXT HIGHER ASSIST	DATE
SCALE	A-ML-PC05-0	NUMBER
SHEET	3 OF 3	DIST.

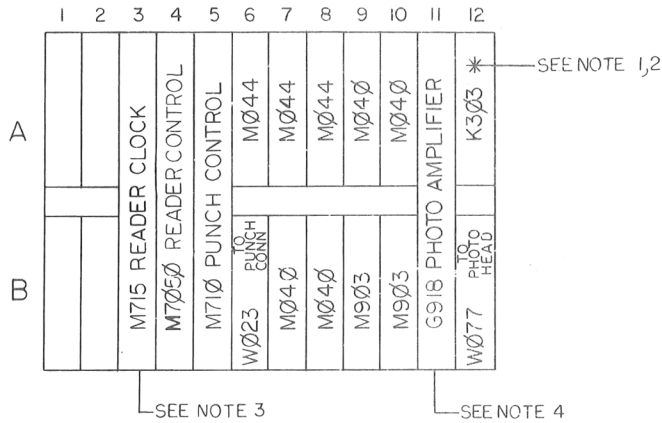
DIGITAL EQUIPMENT CORPORATION		MADE IN MASSACHUSETTS	
<b>CONTROL AND POWER SCHEMATIC (READER)</b>			
SIZE CODE	NUMBER	REV.	
D5	PC05-0-4	1	

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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. C-AD-5408231-0-0
- 2 DELETE THIS MODULE WHEN CKT REV H AND U/P 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



CHK	CHANGE NO.	REV.
	PC05-00001	A
	G. BECKNER	
	PC05-00021	B
	LEIS	
		3/24/71

FIRST USED ON OPTION/MODEL	QTY.	DESCRIPTION	PART NO.	ITEM NO.
PC05				
PARTS LIST				
UNLESS OTHERWISE SPECIFIED	DRM. <i>C. Morante</i>	DATE <i>6/18/69</i>		
UNLESS OTHERWISE SPECIFIED	CHK'D <i>R. Carwell</i>	DATE <i>6/20/69</i>		
TOLERANCES			DATE <i>7/1/69</i>	<b>MODULE UTILIZATION LIST</b> <b>PC05</b>
DECIMALS FRACTIONS ANGLES			DATE <i>9/17/69</i>	
±.005 ± 1/64 ± 0°30'			DATE <i>1/2/71</i>	
FINAL SURFACE QUALITY			DATE	
REMOVE BURRS AND BREAK SHARP CORNERS				
MATERIAL	NEXT HIGHER ASSY.			
+	A-ML-PC05-0			
FINISH	SCALE	+	SIZE CODE	NUMBER
+	1	+	CMU	PC05-0-3
	SHEET	1	DIST.	

SIZE CODE C MU  
 NUMBER PC05-0-3  
 REV. B

**DIGITAL EQUIPMENT CORPORATION**  
MAYNARD, MASSACHUSETTS

**PARTS LIST**

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

QUANTITY/VARIATION

ITEM NO.	DWG NO. / PART NO.	DESCRIPTION	QUANTITY/VARIATION												
			PC05-C	PC05-CA	PC05-P	PC05-PA	PC05-R								
1	G918	PHOTO AMPLIFIER	1	1			1								
2	<del>K-AD-5408231-0-0</del>	TIMER (K303 WITH K374, K376 & K378)	1	1	1	1									
3	M040	SOLENOID DRIVER	4	4					4						
4	M044	SOLENOID DRIVER	3	3	3	3									
<del>5</del>	<del>M705</del>	<del>READER CONTROL</del>	<del>1</del>	<del>1</del>	<del>1</del>	<del>1</del>									
6	M710	PUNCH CONTROL	1	1	1	1									
7	M715	READER CLOCK	1	1					1						
8	M7050	READER CONTROL	1	1					1						
NOTE 1: DELETE 5408231 MODULE WHEN CKT REV H AND HIGHER OF			M710 MODULE IS USED												

TITLE MODULE UTILIZATION	ASSY NO. C-MU-PC05-0-3	SIZE CODE <b>A PL</b>	NUMBER PC05-0-3	REV. <b>B</b>	ECO NO. PC05-000021
	SHEET 1 OF 1	DIST			

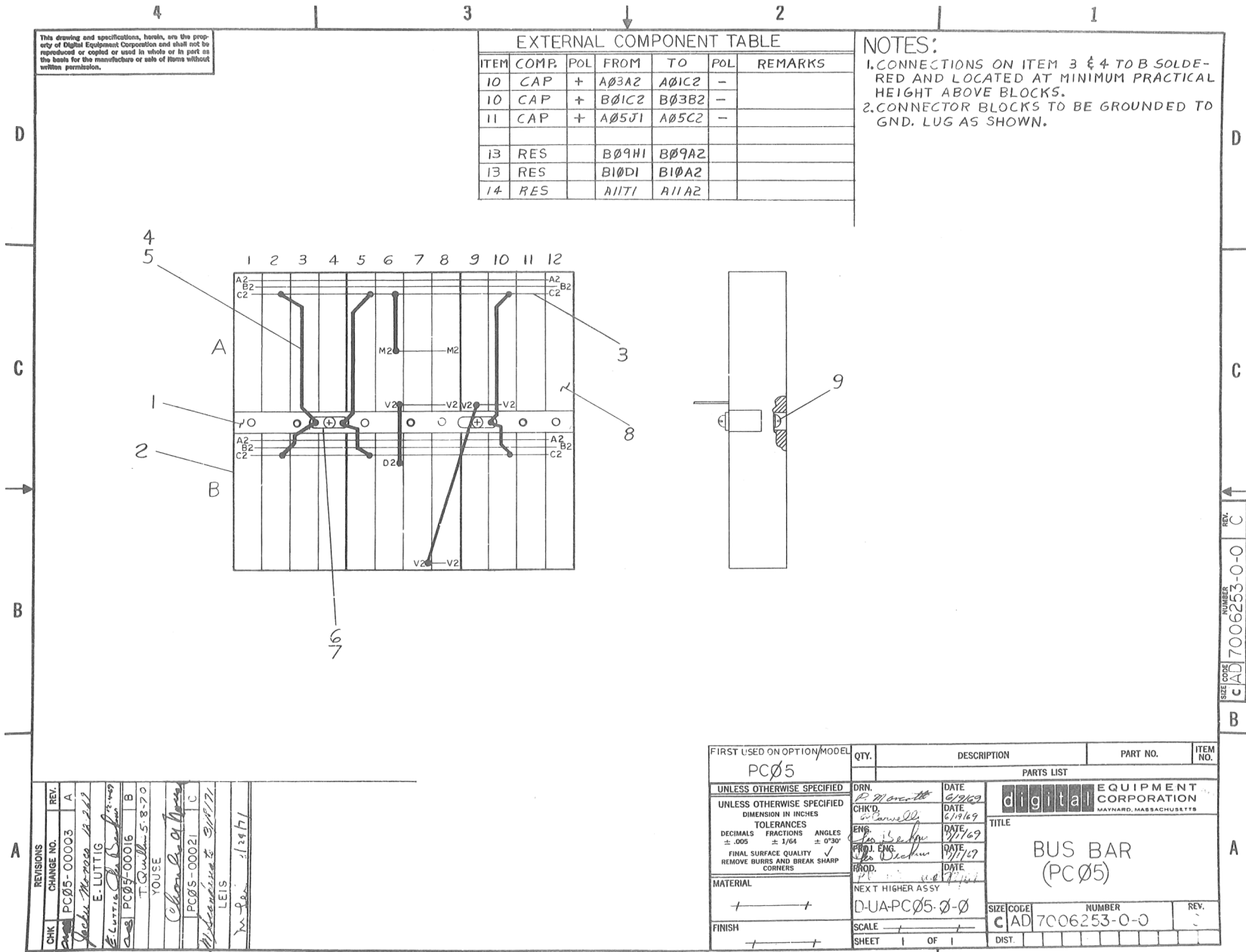
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EXTERNAL COMPONENT TABLE

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		A11I1	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.	DATE	BY	CHKD.
A	PC05-0003	6/19/69	Jacob M. ...	
B	PC05-00015	6/19/69	E. LUTTIG	
C	PC05-00021	6/19/69	T. G. ...	

FIRST USED ON OPTION MODEL PC05	QTY.	DESCRIPTION	PART NO.	ITEM NO.
PARTS LIST				
UNLESS OTHERWISE SPECIFIED	DRN.	DATE	digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS	
UNLESS OTHERWISE SPECIFIED	CHKD.	DATE	TITLE	
DIMENSION IN INCHES		DATE	BUS BAR (PC05)	
TOLERANCES		DATE	SIZE CODE NUMBER REV.	
DECIMALS FRACTIONS ANGLES	ENGR.	DATE	C AD	7006253-0-0
± .005 ± 1/64 ± 0°30'	PROJ. ENGR.	DATE	DIST	
FINAL SURFACE QUALITY	PROD.	DATE		
REMOVE BURRS AND BREAK SHARP CORNERS	NEXT HIGHER ASSY			
MATERIAL	D-UA-PC05-0-0			
FINISH	SCALE	SHEET 1 OF 1		

REV. C  
NUMBER 7006253-0-0  
SIZE CODE C AD

**DIGITAL EQUIPMENT CORPORATION**  
MAYNARD, MASSACHUSETTS

**PARTS LIST**

MADE BY P. MARCOTTE	CHECKED <i>R. Carwell</i>	SECTION
DATE 6/10/69	DATE 6/10/69	1
ENG <i>Geo. Beckman</i> 7/1/69	PROD <i>R. Carwell</i>	ISSUED SECT.
DATE 7/1/69	DATE 7/2/69	1

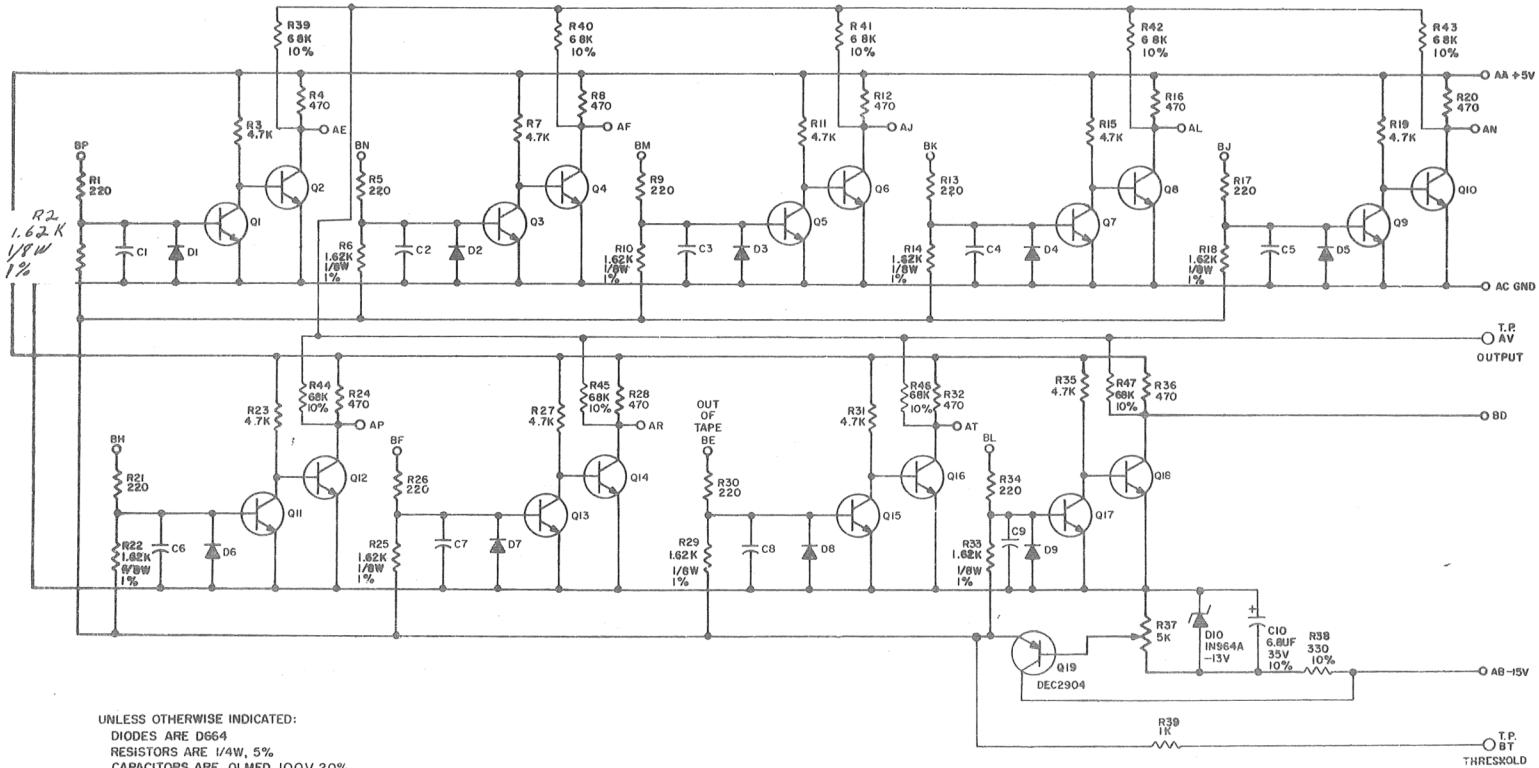
QUANTITY/VARIATION

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, SHAKEPR OF #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															
<del>12</del>	<del>1002627</del>	<del>CAP 2.2 MFD 20V 10%</del>	<del>1</del>															
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 BUS BAR (PC05)	ASSY NO. C-AD-7006253-0-0	SIZE CODE <b>A PL</b>	NUMBER 7006253-0-0	REV. <b>C</b>	ECO NO. PC05-00021
SHEET 1 OF 1		DIST.			



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UNLESS OTHERWISE INDICATED:  
 DIODES ARE D664  
 RESISTORS ARE 1/4W, 5%  
 CAPACITORS ARE 0.1 MFD, 100V, 20%  
 TRANSISTORS ARE 2N3646  
 ○ INDICATES TEST POINT

SIZE CODE C | CS  
 NUMBER 6918-0-1  
 REV B

TRANSISTOR & DIODE CONVERSION CHART			
DATE	BY	DATE	BY
DEC 1968	EIA	DEC 1968	EIA
2N3646	2N1009	2N664A -15V	SAME
D664	IN3606	DEC2804	2N1132

**digital**  
 EQUIPMENT CORPORATION

TITLE: PHOTO TRANSISTOR AMPLIFIER 6918

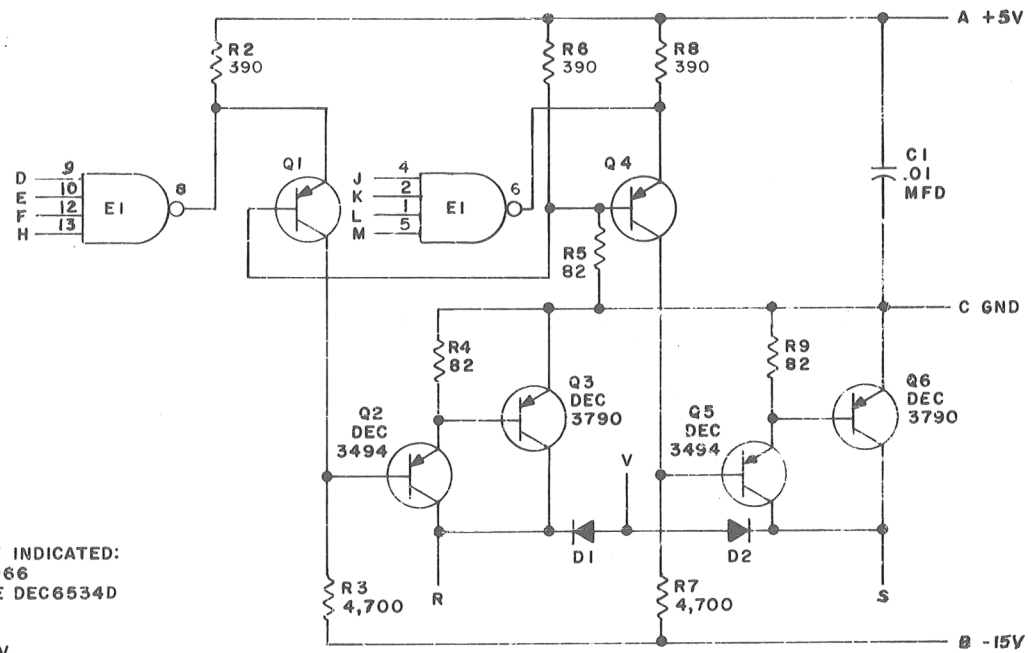
SIZE: C | CS    CODE: CS    NUMBER: 6918-0-1    REV: B

PRINTED CIRCUIT REV: 0

DIST. 324.434 435 PINK

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

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

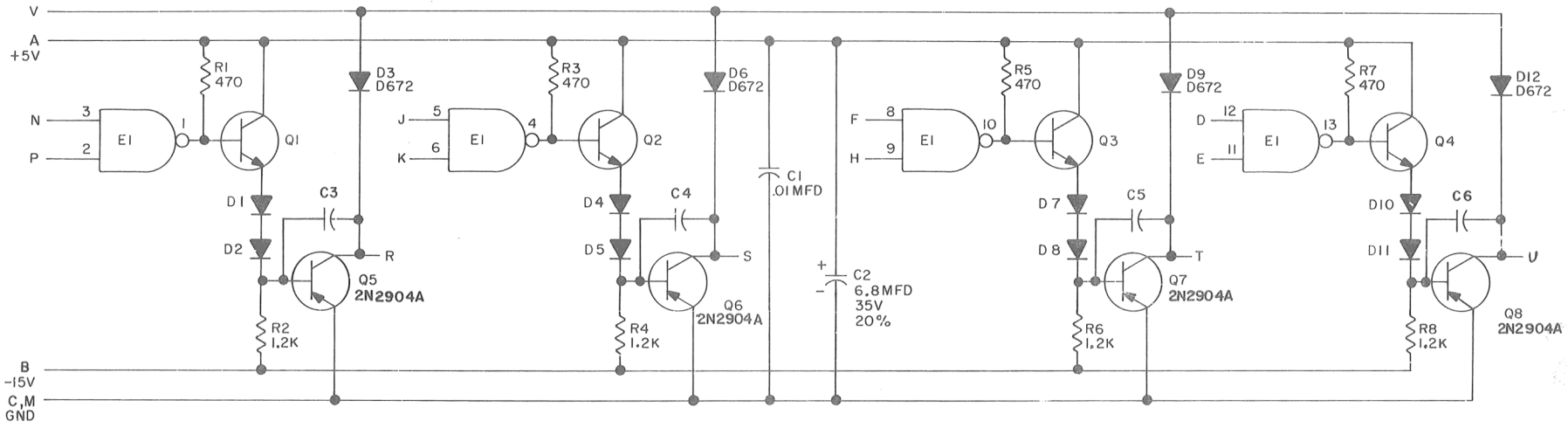
-----  
 A B C D E F G H J K L M N P Q R S T U V W X Y Z  
 -----

PARTS LIST A-PL-M040-0-0

REVISIONS CHK'G NO. REV 00001 E 00002 L	DRN <i>M. Keller</i>	DATE 9-19-67	TRANSISTOR & DIODE CONVERSION CHART				digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS	TITLE SOLENOID DRIVER M040		
	CHK'D	DATE	DEC	EIA	DEC	EIA		SIZE B CS	NUMBER M040-0-1	REV E
	ENG <i>10</i>	DATE	DEC3790	2N3790						
	PROD 4	DATE	DEC6534D	MPS6534						
			D662	1N645						
			MR2066	1N4003						

SIZE	B	CODE	CS	NUMBER	MO44-O-1
REV.	C				

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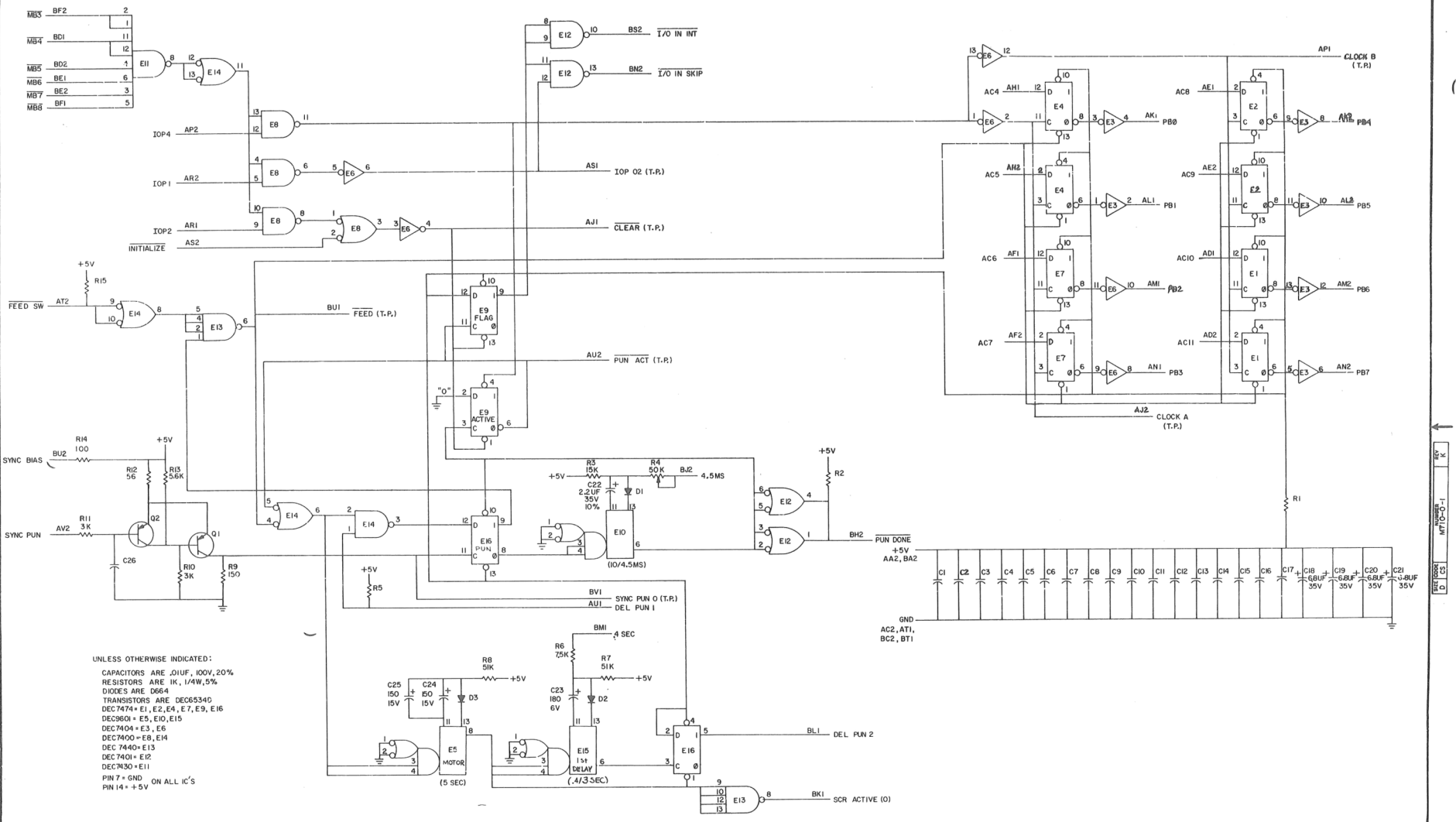
UNLESS OTHERWISE INDICATED.  
 RESISTORS ARE 1/4W, 10%  
 DIODES ARE D664  
 EI IS DEC7401N  
 TRANSISTORS ARE DEC3009B  
 PIN 7 ON EACH IC = GND  
 PIN 14 ON EACH IC = +5V  
 CAPACITORS ARE 100pf, 100V, 5%

REVISIONS	CHK	CHG NO.	REV.	DRN.	DATE	TRANSISTOR & DIODE CONVERSION CHART				digital	EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS	TITLE 4-100MA SOLENOID DRIVER MO44			
	00001	B				DEC	EIA	DEC	EIA			SIZE	CODE	NUMBER	REV
	00002	C				D664	IN3606					B	CS	MO44-O-1	C
						2N2904A	2N2904								
				DEC3009B	2N3009										
				PROD.	DATE										

DEC FORM NO. DRB 102

5 DIST 24 100 100 2

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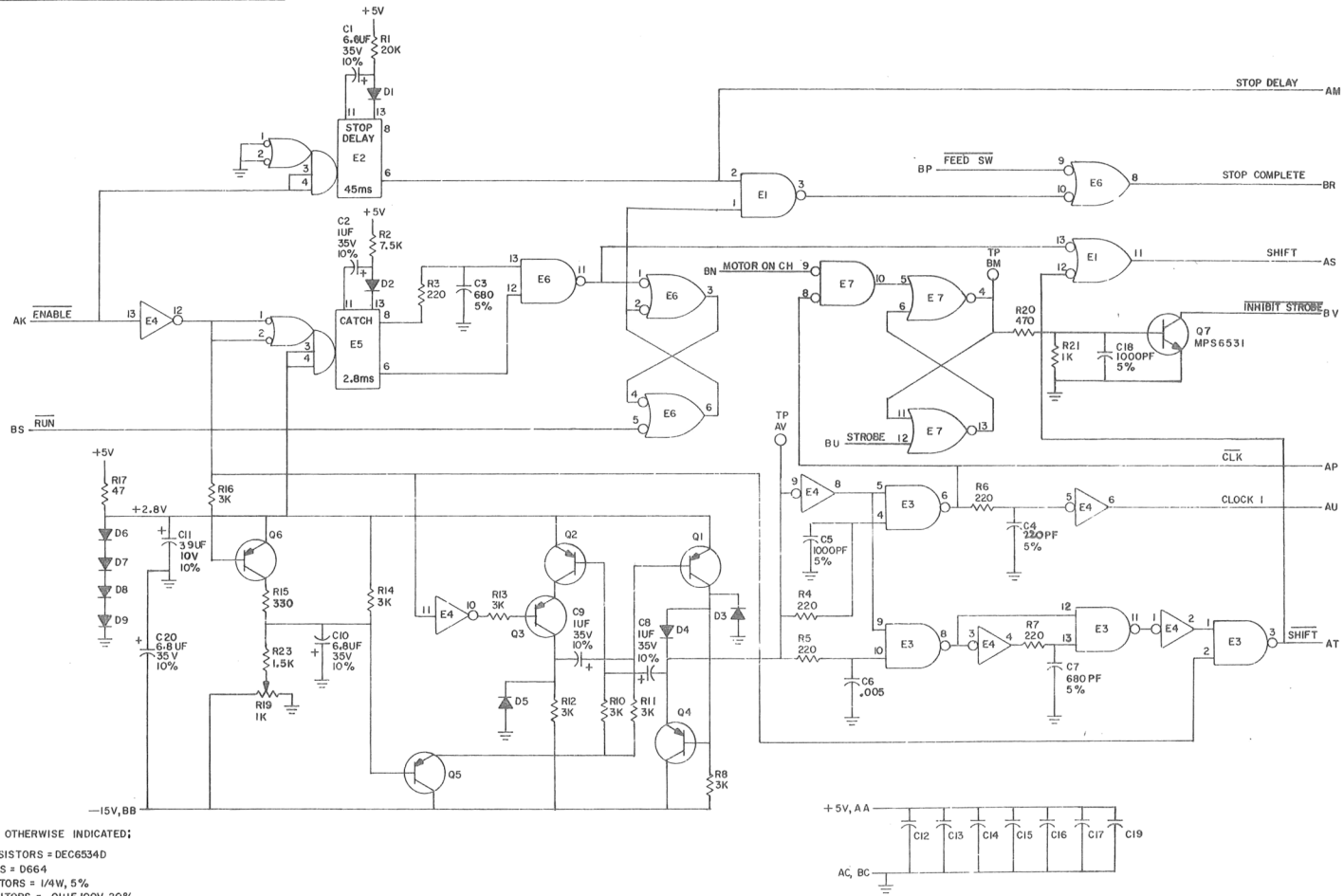
UNLESS OTHERWISE INDICATED:  
 CAPACITORS ARE .01UF, 100V, 20%  
 RESISTORS ARE 1K, 1/4W, 5%  
 DIODES ARE D664  
 TRANSISTORS ARE DEC6534D  
 DEC7474 = E1, E2, E4, E7, E9, E16  
 DEC3601 = E5, E10, E15  
 DEC7404 = E3, E6  
 DEC7400 = E8, E14  
 DEC7440 = E13  
 DEC7401 = E12  
 DEC7430 = E11  
 PIN 7 = GND ON ALL IC'S  
 PIN 14 = +5V

REV	DATE	BY	CHK
1	11/11/71	...	...
2	02/03/72	...	...
3	02/03/72	...	...

SEC	EA	DEC	EA
084	0203		
000840	NOV		

digital		EQUIPMENT		REV	DATE	NUMBER
CORPORATION		D CS		M	11/11	1
M710-0-1		PRINTED CREDIT REV				

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

REV.	DATE	BY	CHKD.
1	10/18/67	M. HALLER	
2	11/2/67	R. SILVERMAN	
3	11/2/67	R. G. SODGE	

REV.	DATE	BY	CHKD.
1	10/18/67	M. HALLER	
2	11/2/67	R. SILVERMAN	
3	11/2/67	R. G. SODGE	

DRN.	DATE	TRANSISTOR & DIODE CONVERSION CHART
M. HALLER	10/18/67	DEC EIA
R. SILVERMAN	11/2/67	DEC6534D MPS8534 IN758
R. G. SODGE	11/2/67	D664 IN5608
		DEC6531 MPS8531

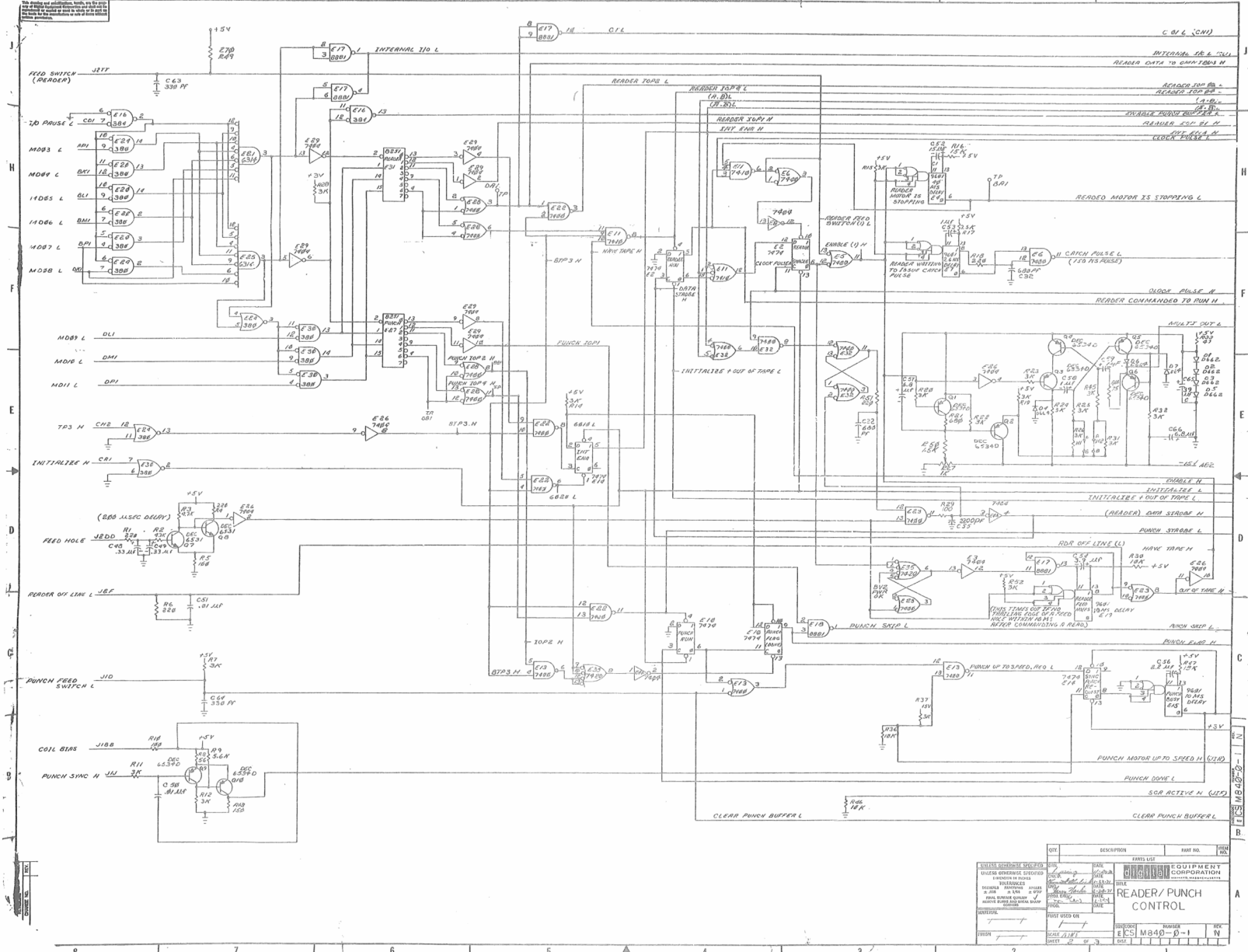
digital  
 EQUIPMENT CORPORATION  
 MAYNARD, MASSACHUSETTS

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

REV. L  
 NUMBER M715-0-1  
 SIZE CODE C C5

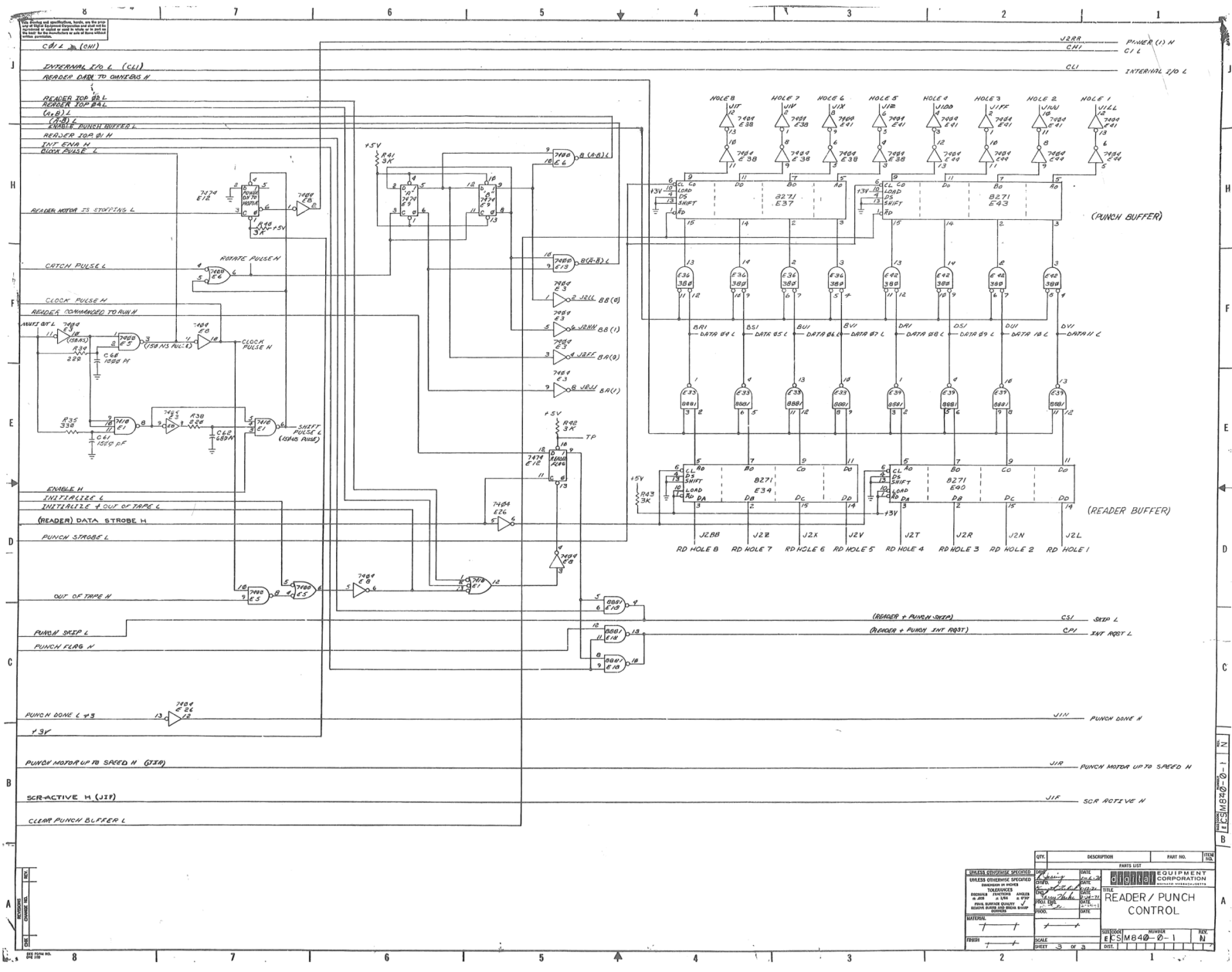
124,474,435 4 PINK





QTY	DESCRIPTION	PART NO.	REV.
1	RESISTOR	100K	1
1	CAPACITOR	0.001	1
1	RELAY	8723	1
1	RELAY	8724	1
1	RELAY	8725	1
1	RELAY	8726	1
1	RELAY	8727	1
1	RELAY	8728	1
1	RELAY	8729	1
1	RELAY	8730	1
1	RELAY	8731	1
1	RELAY	8732	1
1	RELAY	8733	1
1	RELAY	8734	1
1	RELAY	8735	1
1	RELAY	8736	1
1	RELAY	8737	1
1	RELAY	8738	1
1	RELAY	8739	1
1	RELAY	8740	1
1	RELAY	8741	1
1	RELAY	8742	1
1	RELAY	8743	1
1	RELAY	8744	1
1	RELAY	8745	1
1	RELAY	8746	1
1	RELAY	8747	1
1	RELAY	8748	1
1	RELAY	8749	1
1	RELAY	8750	1
1	RELAY	8751	1
1	RELAY	8752	1
1	RELAY	8753	1
1	RELAY	8754	1
1	RELAY	8755	1
1	RELAY	8756	1
1	RELAY	8757	1
1	RELAY	8758	1
1	RELAY	8759	1
1	RELAY	8760	1
1	RELAY	8761	1
1	RELAY	8762	1
1	RELAY	8763	1
1	RELAY	8764	1
1	RELAY	8765	1
1	RELAY	8766	1
1	RELAY	8767	1
1	RELAY	8768	1
1	RELAY	8769	1
1	RELAY	8770	1
1	RELAY	8771	1
1	RELAY	8772	1
1	RELAY	8773	1
1	RELAY	8774	1
1	RELAY	8775	1
1	RELAY	8776	1
1	RELAY	8777	1
1	RELAY	8778	1
1	RELAY	8779	1
1	RELAY	8780	1
1	RELAY	8781	1
1	RELAY	8782	1
1	RELAY	8783	1
1	RELAY	8784	1
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1	RELAY	8787	1
1	RELAY	8788	1
1	RELAY	8789	1
1	RELAY	8790	1
1	RELAY	8791	1
1	RELAY	8792	1
1	RELAY	8793	1
1	RELAY	8794	1
1	RELAY	8795	1
1	RELAY	8796	1
1	RELAY	8797	1
1	RELAY	8798	1
1	RELAY	8799	1
1	RELAY	8800	1

READER/PUNCH CONTROL  
 SCALE 1:1  
 SHEET 2 OF 3



QTY	DESCRIPTION	PART NO.	ITEM NO.
PARTS LIST			
1	7400	7400	
1	7404	7404	
1	RESISTOR		
1	CAPACITOR		
1	DIODE		
1	TRANSISTOR		
1	INDUCTOR		
1	RELAY		
1	SOLENOID		
1	MOTOR		
1	SWITCH		
1	CONNECTOR		
1	WIRE		
1	CRUISE		
1	SCREW		
1	NUT		
1	SPACER		
1	WASHER		
1	LOCKWASHER		
1	SHIM		
1	INSULATOR		
1	ADHESIVE		
1	PLASTER		
1	PAINT		
1	BRUSH		
1	SCREWDRIVER		
1	WRENCH		
1	PLIERS		
1	SNIPPER		
1	DIAGRAM		
1	MANUAL		
1	TOOLKIT		

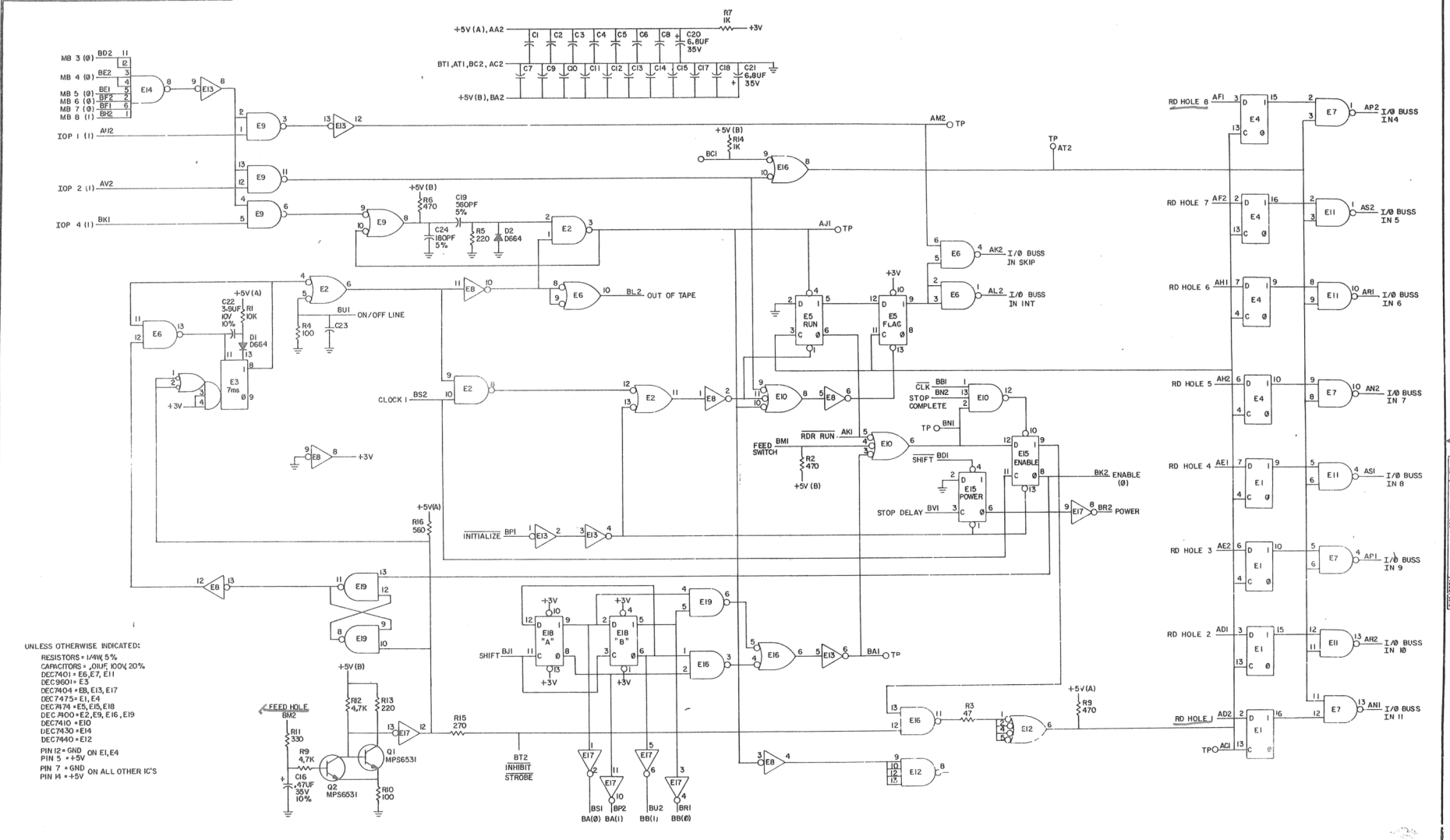
DATE	12/64	SCALE	1/2" = 1"
DESIGNED BY	W. J. B.	CHECKED BY	
DRAWN BY		DATE	12/64
REVISION		BY	
NO.		DATE	

**READER / PUNCH CONTROL**

SCALE: 1/2" = 1"  
SHEET: 3 OF 3



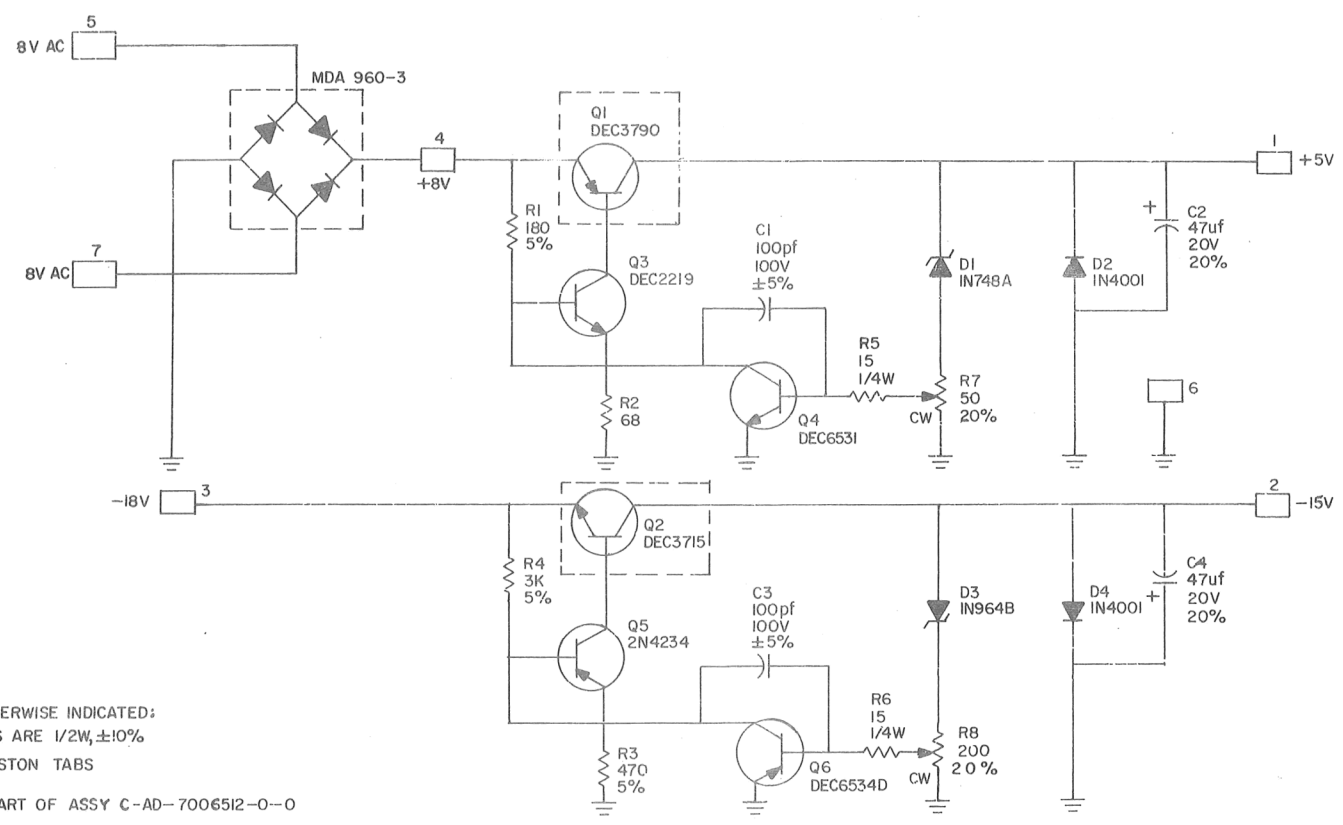
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UNLESS OTHERWISE INDICATED:  
 RESISTORS - 1/4W 5%  
 CAPACITORS - .01UF, 100V 20%  
 DEC7401 = E6, E7, E11  
 DEC9001 = E3  
 DEC7404 = E8, E13, E17  
 DEC7475 = E1, E4  
 DEC7474 = E5, E15, E18  
 DEC7400 = E2, E9, E16, E19  
 DEC7410 = E10  
 DEC7430 = E14  
 DEC7440 = E12  
 PIN 12 = GND ON E1, E4  
 PIN 5 = +5V  
 PIN 7 = GND  
 PIN 14 = +5V ON ALL OTHER IC'S

DATE				TRANSISTOR & DIODE CONVERSION CHART				TITLE					
REV	DATE	BY	CHK	CC	EM	DEC	EM	DEC	EM	DEC	EM	DEC	EM
1	11/17/77	...	...	...	...	...	...	...	...	...	...	...	...
2	11/17/77	...	...	...	...	...	...	...	...	...	...	...	...
3	11/17/77	...	...	...	...	...	...	...	...	...	...	...	...
4	11/17/77	...	...	...	...	...	...	...	...	...	...	...	...

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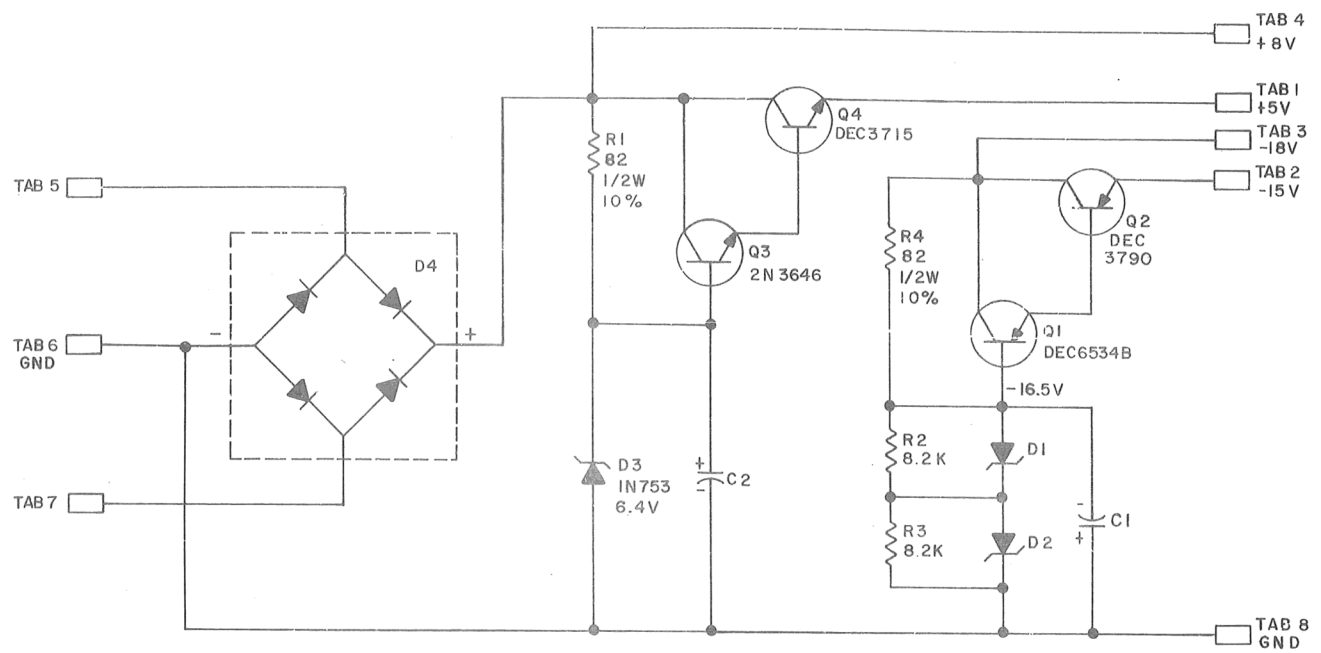
UNLESS OTHERWISE INDICATED:  
RESISTORS ARE 1/2W, ±10%

- = FASTON TABS
- PART OF ASSY C-AD-7006512-0-0

REVISIONS CHK CHG NO. REV	DRN. <i>NANCY MOORE</i>	DATE <i>1/9/70</i>	TRANSISTOR & DIODE CONVERSION CHART				<b>digital</b> EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS	TITLE PCO REGULATOR 5408918		
	CHK'D <i>Conley</i>	DATE <i>8/18/70</i>	DEC	EIA	DEC	EIA		SIZE B	CODE CS	NUMBER 5408918-0-1
	ENG. <i>VA</i>	DATE <i>10/12/70</i>	DEC3790-2	2N3790	DEC6531	MPS6531				
	PROD.	DATE	DEC2219	2N2219	IN748A	SAME				
			DEC3715	2N3715	IN964B	SAME				
			2N4234	2N4234	IN4001	SAME				
			DEC6534D	MP96534						

REV. C  
 NUMBER 5408308-0-1  
 SIZE B  
 CODE CS

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UNLESS OTHERWISE INDICATED:  
 CAPACITORS ARE 6.8 MFD 35V 20%  
 DIODES ARE IN756A, 8.2V  
 D4 IS MDA960-3  
 RESISTORS ARE 1/4W 5%  
 TABS ARE AMP 41290

REVISIONS CHK'G NO.   REV. A   00001 B   00002 C   00003	DRN. <i>R. G. Goring</i>	DATE 3-31-69	TRANSISTOR & DIODE CONVERSION CHART				<b>digital</b> EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS	TITLE PC POWER SUPPLY REGULATOR 5408308			
	CHK'D M. Marshall	DATE 4/1/69	DEC	EIA	DEC	EIA		SIZE B	CODE CS	NUMBER 5408308-0-1	REV. C
	ENG. <i>W. B.</i>	DATE 9-14-69	IN 753	SAME	2N3646	2N3009					
	PROD. <i>Doc Able</i>	DATE	IN 756A	SAME							
			DEC3790	2N3790							
		DEC6534B	MPS 6534								
		DEC3715	NONE								

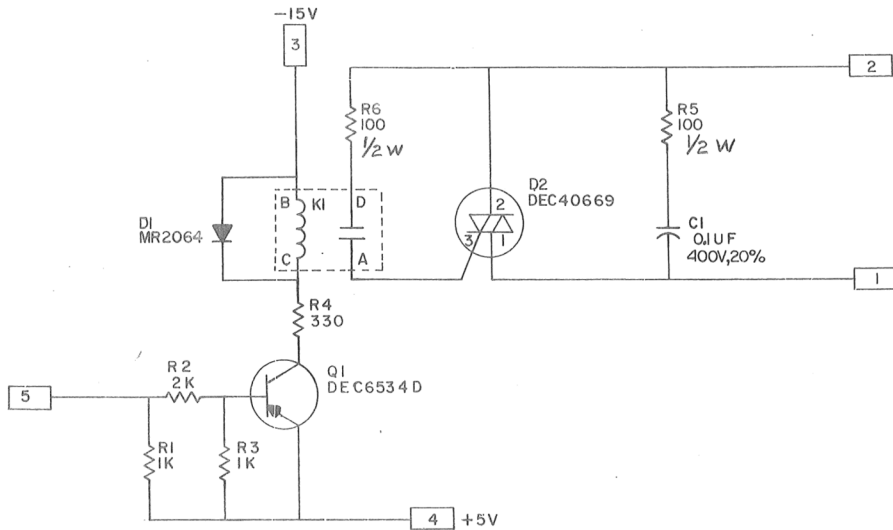
DEC FORM NO. DRB 102

DIS. 324, 474 435<sup>3</sup>

PRINT

REV. B  
 NUMBER 5408384-0-1  
 SIZE CODE B CS

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UNLESS OTHERWISE INDICATED:  
 RELAY IS DEC40034  
 TABS ARE AMP. # 41290  
 RESISTORS ARE 1/4 W, 5%

REVISIONS CHK/CHG NO.   REV. REV. & REGR # 400001   B	DRN. M. HALLER	DATE 6-20-69	TRANSISTOR & DIODE CONVERSION CHART		 EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS	TITLE TRIAC SW ASSY (PC05)			REV. B	
	CHK'D T.A. NALETTE	DATE 6-24-69	DEC	EIA		DEC	EIA	SIZE B	CODE CS	NUMBER 5408384-0-1
	ENG. G. BECKNER	DATE 11-19-69				DEC6534D	MPS6534			
	PROD.	DATE								
DEC FORM NO. DRB 102						PRINTED CIRCUIT REV. B				