

PC04/PC05
paper tape
reader/punch
engineering drawings

digital equipment corporation • maynard, massachusetts

PC04/PC05 Engineering Drawings

PC04 Engineering Drawings

Number	Title
D-DI-PC04-0-1	Drawing Index
D-UA-PC04-0-0	Unit Assembly
C-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

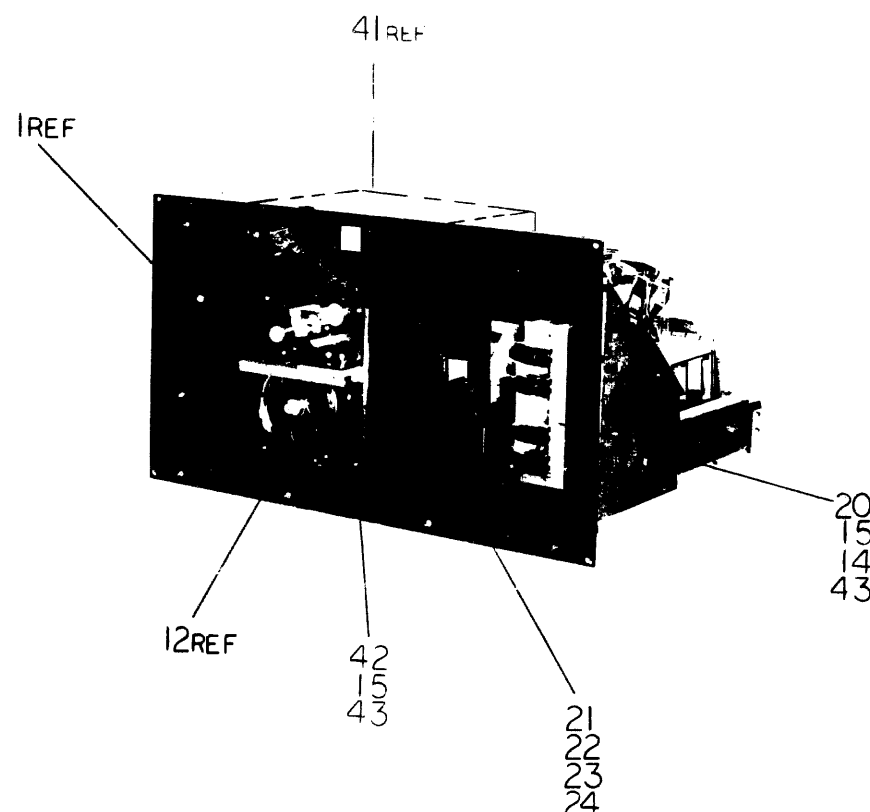
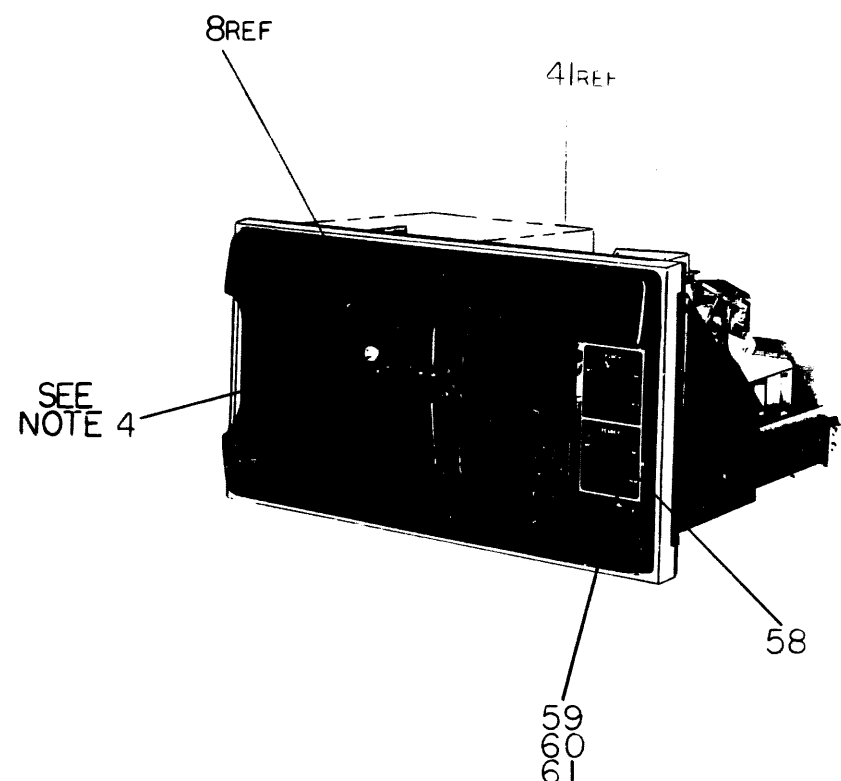
Number	Title
D-DI-PC05-0-1	Drawing Index
D-UA-PC05-0-0	Unit Assembly
A-PL-PC05-0-0	Unit Assembly, Parts List
D-BS-PC05-0-4	Power and Control Schematic
C-MU-PC05-0-3	Module Utilization List
A-PL-PC05-0-3	Parts List, Modules
C-AD-7006253-0-0	Bus Bar
A-PL-7006253-0-0	Bus Bar, Parts List

PC04/PC05 Circuit Schematics

Number	Title
C-CS-G918-0-1	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-M340-0-1	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

FIRST USED ON COTTON / INCOEL PC04		QTY.	DESCRIPTION	PART NO	ITEM
UNLESS OTHERWISE SPECIFIED		DRN. <i>PC04</i>	DATE <i>6/16/67</i>	PARTS LIST	
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES		CHK'D <i>PC04</i>	DATE <i>6/16/67</i>	digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS	
TOLERANCES DECIMALS FRACTIONS ANGLES ± .005 ± 1/64 ± 9°30'		ENG. <i>PC04</i>	DATE <i>6/16/67</i>	TITLE PC04	
FIRM SURFACE QUALITY REMOVE BURRS AND BREAK SHARP CORNERS		PROJ. ENG. <i>PC04</i>	DATE <i>6/16/67</i>	READER AND PUNCH	
MATERIAL <i>+</i>		PROD. <i>PC04</i>	DATE <i>6/16/67</i>		
FINISH <i>+</i>		NEXT HIGHWAY A-14-PC04-0		SIZE CODE NUMBER REV. DUA PC04-0-0	
		SCALE 1:100		DIST.	
		SHEET 1 OF 4			

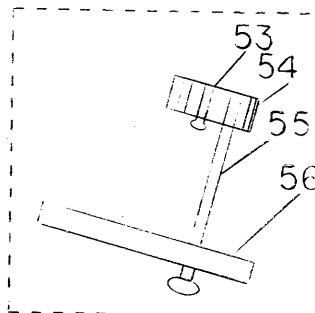
1. WIRING OF SWITCHES VARIES DEPENDING ON UNIT MODEL BEING SHIPPED FOR SWITCH CONFIGURATION. FOR WIRING PURPOSES SEE: DETAIL "A" FOR MODEL "B" PART 1. PLAIN DETAIL "B" FOR MODEL "C" DETAIL "C" FOR MODEL "R" DETAIL "D" FOR MODEL "A" AND "CA". SO/SO CY HAS NO EFFECT.
2. IF THE SCR DRIVER UNIT IS USED, THIS WIRE WILL CONNECT TO SCR DRIVER UNIT IS 6. FOR CORRECT WIRING WHEN UNIT IS USED, SEE SCR DRIVER WIRE ENT. (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. IN 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 THE 11. APPROPRIATE TABS.
7. ROUTE HOLE CABLE FAR TO THE RIGHT TO AVOID BENDING BACKIN. EACH CABLE



STAMP COMPLETE
MODEL NO. HERE

DETAIL F

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



SFE NOTE 4

SEE NOTE 5

SEE NOTE 2

6 REF
7 REF

41REF

13 REF

- 44 SEE DETAIL "F"

 2_{REF}

69705

19

SEE NOTE 3

VIEW A-A

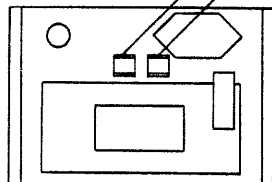
FIRST USED ON OPTION / MODEL PC04		QTY.	DESCRIPTION	PART NO.	ITEM NO.
UNLESS OTHERWISE SPECIFIED		DRN	DATE	PARTS LIST	
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES		CHK'D	DATE	digital EQUIPMENT CORPORATION MAYNARD MASSACHUSETTS	
TOLERANCES		ENG.	DATE	TITLE	
DECIMALS FRACTIONS ANGLES ± .005 ± 1/64 ± 0°30'		PROJ. ENG.	DATE	PC04	
FINISH SURFACE QUALITY REMOVE BURRS AND BREAK SHARP CORNERS		PROD.	DATE	READER AND PUNCH	
MATERIAL		NEXT HIGHER ASSY			
		A-ML-PC04-0			
FINISH		SCALE	CODE	NUMBER	REV.
		SHEET	NO	DUAPC04-0-0	F
		OF	4	DIST.	

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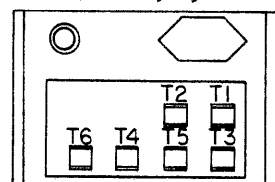
TS
(TOP VIEW)

8
7
6
5
4
3
2
1

SCR DRIVER
5408385
(PC04-C,CA)

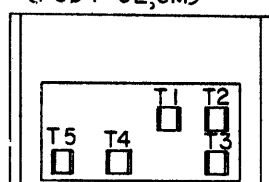


SCR DRIVER
7006720 (W/ 5408384 REV A)
(PC04-CL,CM)

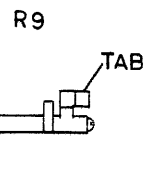


WHT/GRN RED GRN WHT/BLU

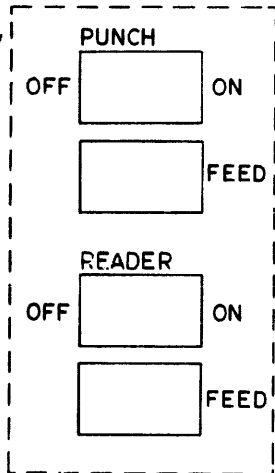
SCR DRIVER
7006720 (W/ 5408384 REV B)
(PC04-CL,CM)



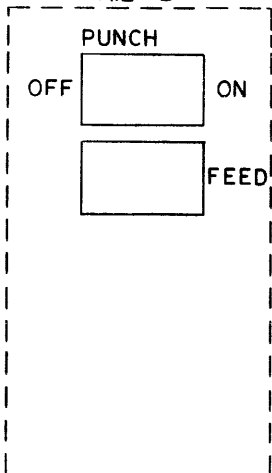
GRN RED WHT/BLU
SIG +5 -15



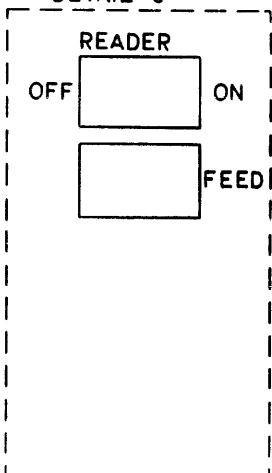
PC04-B,BA,BB,BC,BL,BM
5408310-4
DETAIL "A"



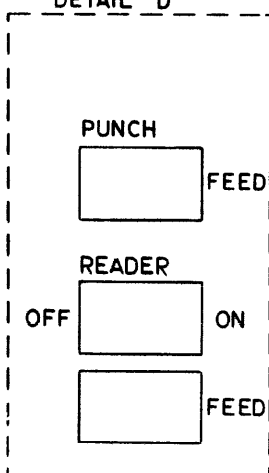
PC04-P,PA,PL,PM
5408935-0
DETAIL "B"



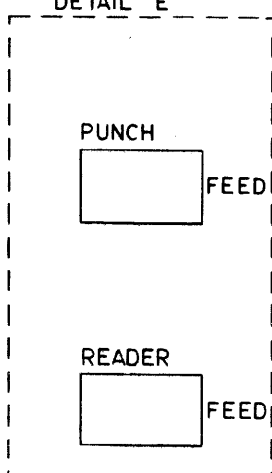
PC04-R,RB,RL
5408935-0
DETAIL "C"



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

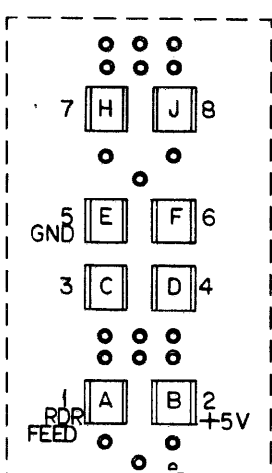
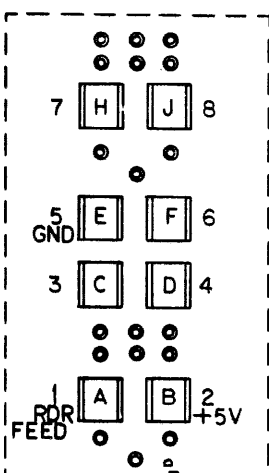
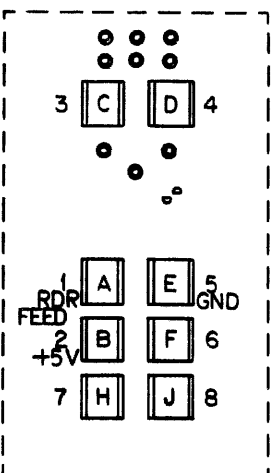
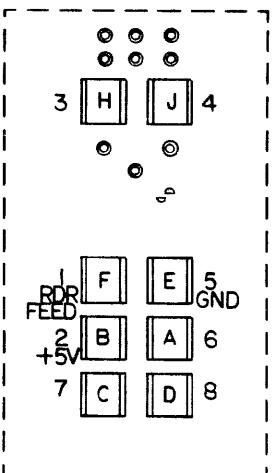
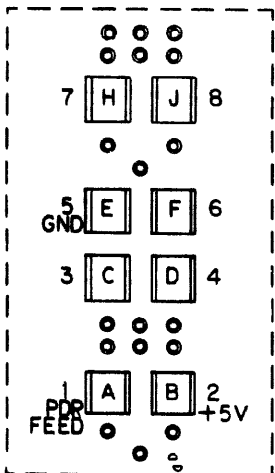


PC04-CL,CM
5408310-5
DETAIL "E"



FRONT VIEW

REAR VIEW



FIRST USED ON OPTION/MODEL	QTY.	DESCRIPTION	PART NO	ITEM NO
PC04				
PARTS LIST				
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES. TOLERANCES	DRN. B. HUTNAK	DATE 4-10-69	digital EQUIPMENT CORPORATION	
DECIMALS	CHK'D. R. CARVELLI	DATE 6-5-69		
ANGLES	ENG. G. BECKNER	DATE 6-6-69	TITLE PC04 READER & PUNCH (SW & TERM LOCATIONS)	
.XXX - .005	PROJ. ENG. G. BECKNER	DATE 6-6-69		
.XX - .02	PROD. B. ANTONUCCIO	DATE 6-6-69	SIZE CODE DUA PC04-0-0	
.X - .1				
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY			NUMBER REV F	
MATERIAL	NEXT HIGHER ASSY.			
FINISH	A-ML-PC04-0		SHEET 3 OF 4	
	SCALE			

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CONNECTIONS IF NO SCR DRIVER ASSY

COLOR/AWG	WIRE	CONNECTION	REMARKS
RED #18	*9	TS - 6	
BLK & YEL BLK & WHT	PUNCH MOTOR	TS - 6	IF PUNCH PRESENT
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 BLK & WHT	PUNCH MOTOR	SCR - T2	
RED #18	*7	SW BOARD - "J"	SEE DETAIL "D"
WHT/BLU #22	SCR LEAD	A07B	
WHT/GRN #22	SCR LEAD	B01B	

CONNECTIONS FOR 7006520 SCR DRIVER ASSY

COLOR/AWG	WIRE	CONNECTION	REMARKS
RED #18	*9	SCR T1	
BLK & YEL BLK & WHT	PUNCH MOTOR	SCR T2	
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 & RFB
RED #22	SCR LEAD	A07A	
GRN #22	SCR LEAD	B01F	

PUNCH CONNECTIONS

COLOR	WIRE	CONNECTION	REMARKS
WHT #22	PUNCH CAP	TS - 7	
PLUG PUNCH DATA CABLE (W023) INTO SLOT B02			

CONNECTIONS IF NO READER

COLOR/AWG	WIRE	CONNECTION	REMARKS
GRY/RED #8	*7	-	SLEEVE WITH ITEM # 45 & TIE BACK

READER CONNECTIONS

COLOR/AWG	WIRE	CONNECTION	REMARKS
GRY/RED #8	*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/VIO #22	R1 & R2	-	TS - 1	28
30	WHT/YEL #22	R3 & R4	-	TS - 2	28
31	WHT/ORN #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 #8	*29	A08B	-15V
BLU #18	*31	B02D	-30V
BLK #18	*28	GND LUG	LOGIC GND
GRY/RED #8	*30	A08A	+5V
GRN #18	*32	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, -BA, -BB, BC,
-C, -CA, -D, -DA, -R -RB)

COLOR/AWG	WIRE	CONNECTION
BRN #22	*14	A02B

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

COLOR/AWG	WIRE	CONNECTION
BRN #22	*14	A01B

NOTE: SEE SHEET 3 FOR TERMINAL
IDENTIFICATION DIAGRAMS.

FIRST USED ON OPTION/MODEL PC04-0	QTY.	DESCRIPTION	PART NO.	ITEM NO.
PARTS LIST				
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES TOLERANCES	DRN. B. HUTNAK	DATE 4-10-69	digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS	
DECIMALS	CHK'D R. CARVELLI	DATE 6-5-69	TITLE PC04 READER & PUNCH (WIRING)	
ANGLES	ENG. GEO. BECKNER	DATE 6-6-69	SIZE CODE DUA PC04-0-0	
XXX - .005 XX - .02 X - .1	PROJ. ENG. GEO. BECKNER	DATE 6-6-69	NUMBER P	
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY	PROD. B. ANTONUCCIO	DATE 6-6-69	SCALE SHEET 4 OF 4	
MATERIAL FINISH	NEXT HIGHER ASSY. A-ML-PC04	DIST.		

REVISIONS
CHANGE NO.
CHK

8 7 6 5 4 3 2 1

ITEM NO.	DWG. NO. /PART NO.	DESCR.
1	D-AD-7006246-0-0	CHASS
2	D-AD-7006248-1-0	PUNCH
2	D-AD-7006248-2-0	PUNCH
3	9006021-1	SCR.
4	9006560	NUT.
5	9006030-1	SCR.
6	1100106	TEYR
7	9107278-3	18 AW
8	D-AD-7006252-1-0	COVER
8	D-AD-7006252-2-0	COVER
8	D-AD-7006252-3-0	COVER
8	D-AD-7006252-4-0	COVER
8	D-AD-7006252-6-0	COVER
9	9006042-2	SCR.
10	9006083-1	SCR.
11	C-MD-745300-0-0	CHAD
12	D-AD-7006247-0-0	READEE
13	E-AD-7006268-0-0	WIRED
13	E-AD-7006268-1-0	WIRED
13	E-AD-7006268-2-0	WIRED
14	9006022-1	SCR.
15	9006033	WASHE
16	C-AD-5408385-0-0	SCR DI
16	C-AD-7006520-0-0	SCR DI
17	9006026-1	SCR.
18	9006801	HEX SI
19	C-IA-7006281-0-0	I/O C
19	D-IA-7407087-1-0	CABLE
19	D-IA-7006145-1-0	CABLE
19	D-IA-7407087-3-0	CABLE
20	C-AD-5408310-4-0	SWITCH
20	C-AD-5408935-0-0	SWITCH
20	C-AD-5408310-3-0	SWITCH
20	C-AD-5408310-5-0	SWITCH
21	D-MD-7407131-0-0	TAPE C
22	9006011-2	SCR.
23	9006556	NUT.
24	9006632	WASHE
25	9006635	WASHE
26	1309896	RES.
27	9107360-10	10 MW
28	9007917	SOLDE
29	9107400-97	WIRE.

DEC FORM NO. 4
DEC 110

UNLESS OTHERWISE SPECIFIED
UNLESS OTHERWISE SPECIFIED

MATERIAL

FINISH

ANTONUCCIO 6-6-69
NEXT HIGHER ASSY.
D-UA-PC 04-0-0
SCALE 1 ——— 1
SHEET 1 OF 2

AND PUNCH									
SIZE	CODE	NUMBER						REV.	
C	PL	PCØ4-Ø'-Ø						P	
DIST									

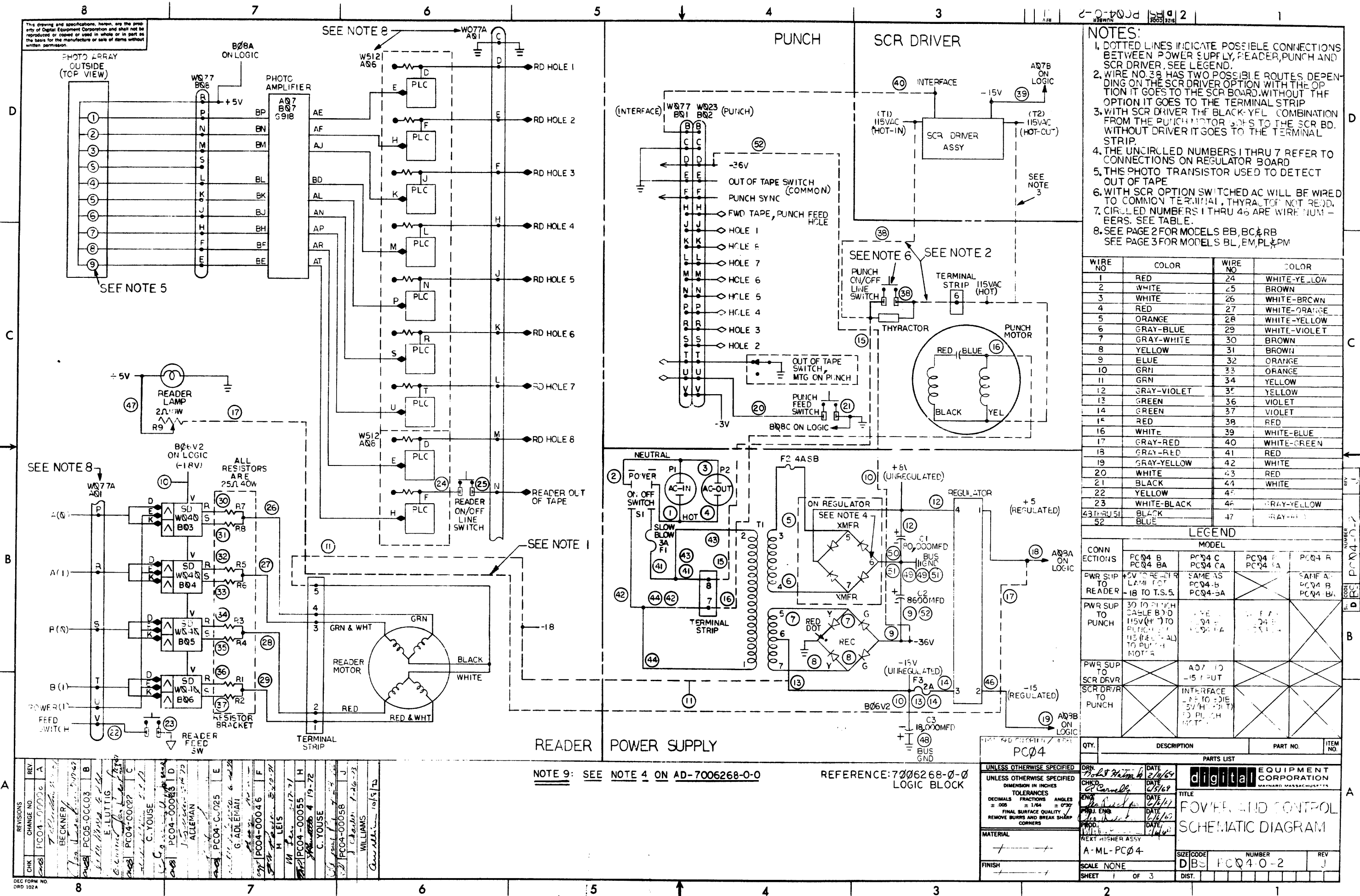
ITEM NO.	DWG. NO./PART NO.	DESCRIPTION
30	9107400-94	WIRE, 22 AWG STRD TEFLON WHT/YEL TRACER
31	9107400-93	WIRE, 22 AWG STRD TEFLON WHT/ORN TRACER
32	9107400-91	WIRE, 22 AWG STRD TEFLON WHT/BRN TRACER
33	9107350-77	WIRE, 22 AWG STRD TEFLON VIO
34	9107350-44	WIRE, 22 AWG STRD TEFLON YEL
35	9107350-33	WIRE, 22 AWG STRD TEFLON ORN
36	9107350-11	WIRE, 22 AWG STRD TEFLON BRN
37	9006043-1	SCR, PHL PAN HD 8-32 X 1 LG SST
38	9006634	WASHER, INT TOOTH #8
39	9006823	HEX SPACER 3/8 X 3/4 LG #8
40	9006037-1	SCR, PHL PAN HD 8-32 X 3/8 LG SST
41	E-IA-7407438-0-0	POWER SUPPLY COVER
42	9006024-1	SCR, PHL PAN HD 6-32 X 1/2 LG SST
43	9006653	WASHER, FLAT #6 SST
44	9008141	DEC NAME PLATE
45	9107275	SHRINKABLE TUBING WHITE
46	E-ID-7006360-1-0	BUS BAR PC04(0L)
47	D-IA-7407067-1-0	I/O CABLE ASSY. (0L)
48	7006145-1	I/O CABLE ASSV. (0L)
49	9006664	WASHER, FLAT #10
50	C-MD-7408091-0-0	BRK'T RESISTOR
51	9006565	NUT, KEPS 10-32 X 3/8 X 3/16
52	9006635	WASHER, INT TOOTH #10
53	9007799-6	SCR, PHL FILLISTER HD 8-32 X 1.5
54	1209850	UNIVERSAL MODULE RETAINER
55	C-IA-7405642-0-0	SCR, MODULE RETAINER
56	C-IA-7408339-7-0	HOLD DOWN BAR (6")
57	9107470-55	WIRE, 24 AWG SOLID TEFLON GREEN
58	C-IA-7407134-1-0	BEZEL SWITCH
58	C-IA-7407134-2-0	BEZEL SWITCH
58	C-IA-7407134-3-0	BEZEL SWITCH
58	C-IA-7407134-4-0	BEZEL SWITCH
58	C-IA-7407134-5-0	BEZEL SWITCH
58	C-IA-7407134-6-0	BEZEL SWITCH
59	9006558	NUT HEX #6-32 SST
60	9006633	WASHER INT TOOTH LOCK #6
61	9006656	WASHER FLAT
62	A-PI-3700024-0-0	PACKAGING INSTRUCTIONS
63	A-PI-3700123-0-0	PACKAGING INSTRUCTIONS

ITEM NO.	DWG. NO./PART NO.	DESCRIPTION
30	9107400-94	WIRE, 22 AWG STRD TEFLON WHT/YEL TRACER
31	9107400-93	WIRE, 22 AWG STRD TEFLON WHT/ORN TRACER
32	9107400-91	WIRE, 22 AWG STRD TEFLON WHT/BRN TRACER
33	9107350-77	WIRE, 22 AWG STRD TEFLON VIO
34	9107350-44	WIRE, 22 AWG STRD TEFLON YEL
35	9107350-33	WIRE, 22 AWG STRD TEFLON ORN
36	9107350-11	WIRE, 22 AWG STRD TEFLON BRN
37	9006043-1	SCR, PHL PAN HD 8-32 X 1 LG SST
38	9006634	WASHER, INT TOOTH #8
39	9006823	HEX SPACER 3/8 X 3/4 LG #8
40	9006037-1	SCR, PHL PAN HD 8-32 X 3/8 LG SST
41	E-IA-7407438-0-0	POWER SUPPLY COVER
42	9006024-1	SCR, PHL PAN HD 6-32 X 1 1/2 LG SST
43	9006653	WASHER, FLAT #6 SST
44	9008141	DEC NAME PLATE
45	9107275	SHRINKABLE TUBING WHITE
46	E-ID-7006360-1-0	BUS BAR PC04(0L)
47	D-IA-7407067-1-0	I/O CABLE ASSY. (0L)
48	7006145-1	I/O CABLE ASSY. (0L)
49	9006664	WASHER, FLAT #10
50	C-MD-7408091-0-0	BRK'T RESISTOR
51	9006565	NUT, KEPS 10-32 X 3/8 X 3/16
52	9006635	WASHER, INT TOOTH #10
53	9007799-6	SCR, PHL FILLISTER HD 8-32 X 1.5
54	1209850	UNIVERSAL MODULE RETAINER
55	C-IA-7405642-0-0	SCR, MODULE RETAINER
56	C-IA-7408339-7-0	HOLD DOWN BAR (6")
57	9107470-55	WIRE, 24 AWG SOLID TEFLON GREEN
58	C-IA-7407134-1-0	BEZEL SWITCH
58	C-IA-7407134-2-0	BEZEL SWITCH
58	C-IA-7407134-3-0	BEZEL SWITCH
58	C-IA-7407134-4-0	BEZEL SWITCH
58	C-IA-7407134-5-0	BEZEL SWITCH
58	C-IA-7407134-6-0	BEZEL SWITCH
59	9006558	NUT HEX #6-32 SST
60	9006633	WASHER INT TOOTH LOCK #6
61	9006656	WASHER FLAT
62	A-PI-3700024-0-0	PACKAGING INSTRUCTIONS
63	A-PI-3700123-0-0	PACKAGING INSTRUCTIONS

[illegible]

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

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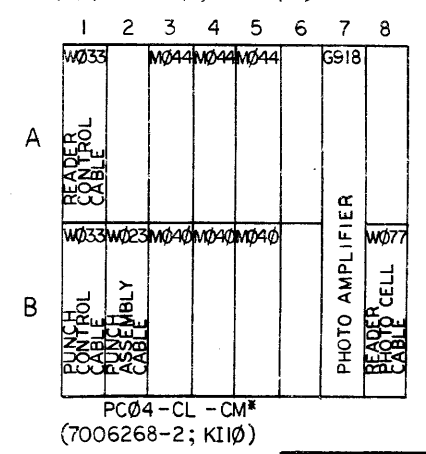
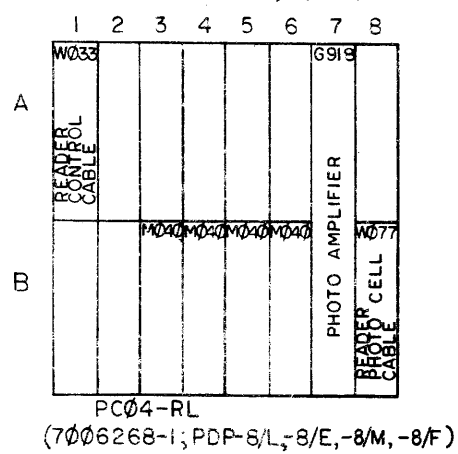
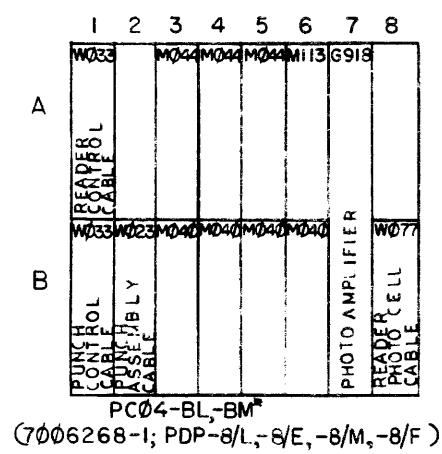
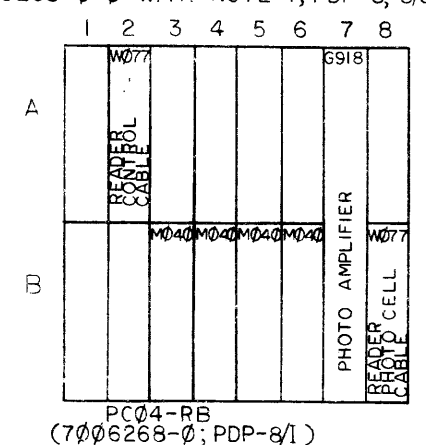
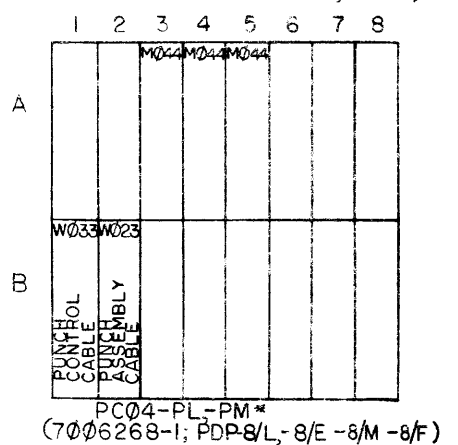
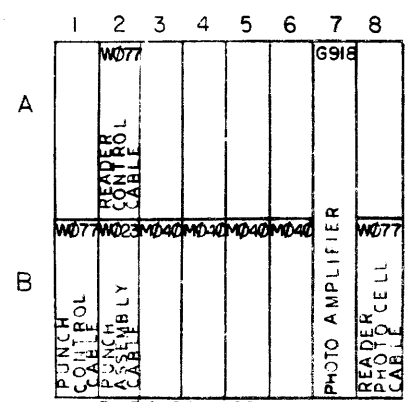
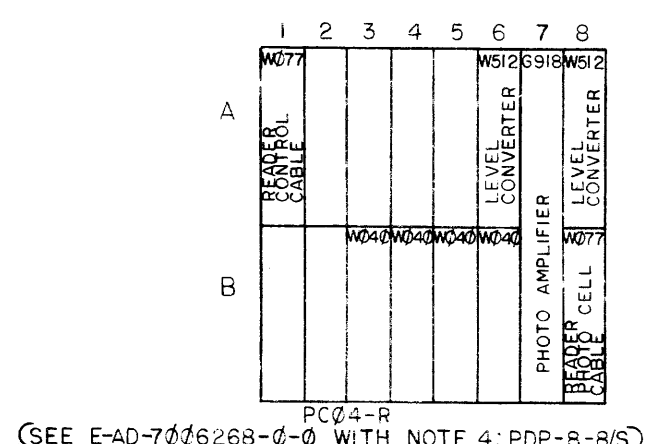
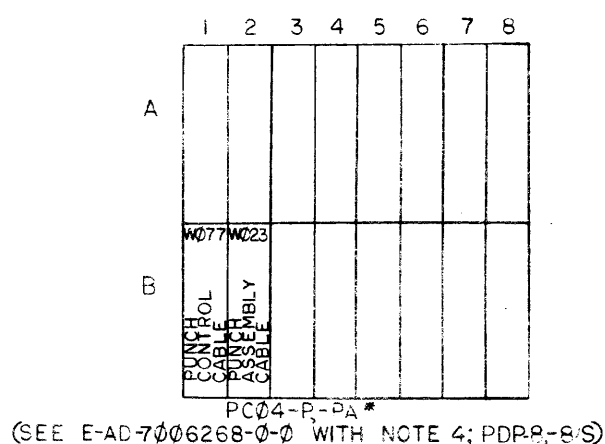
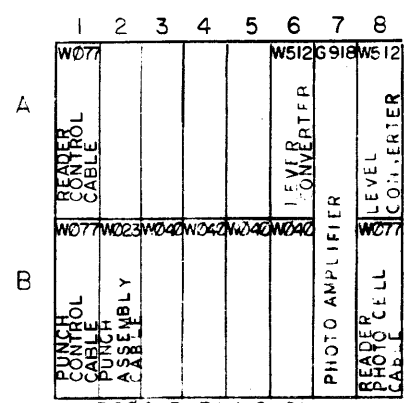
NOTE 9: SEE NOTE 4 ON AD-7006268-0-0

REFERENCE: 7006268-0-0 LOGIC BLOCK

FIRST USED ON OPTION/MODEL		QTY.	DESCRIPTION	PART NO.	ITEM NO.
K110			PARTS LIST		
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES. TOLERANCES		DRN. <i>A. Wallace</i>	DATE 7-2-74	 DIGITAL EQUIPMENT CORPORATION MAYNARD MASSACHUSETTS	
		CH'D. <i>Alan Kent</i>	DATE 2 Dec 74		
DECIMALS	ANGLES	ENG. <i>Alan Kent</i>	DATE 2 Dec 74		
.XXX + .005 .XX + .02 .X + .1	±0° 30'	PROJ. ENG. <i>Alan Kent</i>	DATE 2 Dec 74		
REMOVE BURRS AND BREAK SHARP CORNERS. SURFACE QUALITY ✓		PROD. <i>William</i>	DATE 12/2/74	TITLE PUNCH (PC04 - CL \$ - PNCH)	
MATERIAL		NEXT HIGHER ASSY.			
		A-ML-PC04-0		SIZE CODE	NUMBER
				D BS	PC04-CL-PNCH
FINISH		SCALE		REV.	
		SHEET 11 OF 1			
		DIST.			

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



FIRST USED ON OPTION/MODEL		QTY.	DESCRIPTION	PART NO.	ITEM NO.
PC04-0					
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES. TOLERANCES		PARTS LIST			
DECIMALS		ANGLES		TITLE	
.XXX = .005		±0° 30'		MODULE UTILIZATION LIST PC04	
.XX = .02					
.X = .1					
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY					
MATERIAL		NEXT HIGHER ASSY.			
FINISH		SCALE			
		SHEET 1 OF 1			
		DIST.			

REV.	CHANGE NO.	DATE
1	PC04-00053	4-19-72
2	PC04-00055	4-19-72
3	PC04-00055	4-19-72
4	PC04-00055	4-19-72
5	PC04-00055	4-19-72
6	PC04-00055	4-19-72
7	PC04-00055	4-19-72
8	PC04-00055	4-19-72

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-BLBM PLPM RL	K-WL-PC04-0-6
7006268-2	PC04-CL,CM	K-WL-PC04-0-7

NOTES:

1. CONNECTIONS ON ITEM 3 & 1 TO BE SOLDERED AND LOCATED AT MINIMUM PRACTICAL HEIGHT ABOVE BLOCKS.
2. CONNECTOR BLOCKS TO BE GROUND TO GND LUG AS SHOWN.
3. USE BLUE WIRE (ITEMS) FOR HAND WRAPPED WIRING.
4. PDFS/BS/9/KA10
TO CONVERT 7006268-0 BLOCK BACK TO NEG. LOGIC MACHINES, DO FOLLOWING:
A. REMOVE TRANSISTORS IN READER FEED SWITCH ASSY
B. WIRE CHANGES:
DELETE - B08S-B07E
ADD - A02N-A05H
B05E-B07E
A02E-A01N
C. DELETE 100K RESISTOR FROM A08A-A05F

EXTERNAL COMPONENT TABLE						
ITEM	COMP	POL	FROM	TO	POL	REMARKS
10	CAP	+	A03A	A03C	-	6.8μF
10	CAP	-	B03B	B03C	+	6.8μF

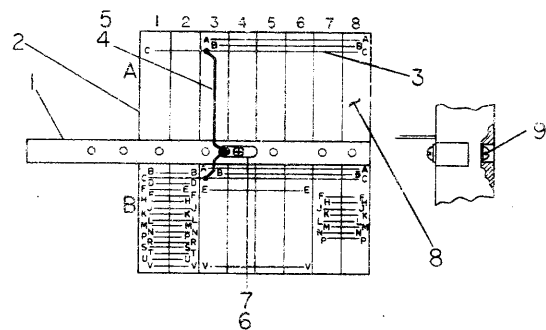
7006268-2

EXTERNAL COMPONENT TABLE						
ITEM	COMP	POL	FROM	TO	POL	REMARKS
10	CAP	+	A03A	A03C	-	
10	CAP	-	B03B	B03C	+	
12	RES		A08A	A08F		100Ω
13	RES		A06E	A06C		330Ω

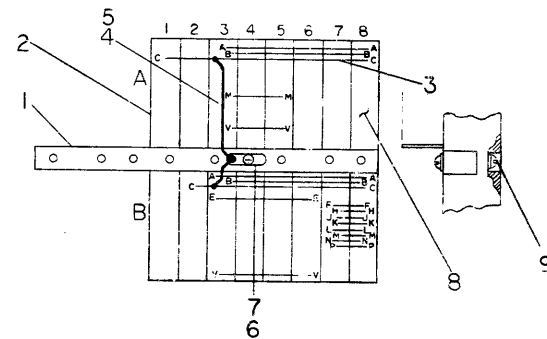
7006268-1

EXTERNAL COMPONENT TABLE						
ITEM	COMP	POL	FROM	TO	POL	REMARKS
10	CAP	+	A03A	A03C	-	
10	CAP	-	B03B	B03C	+	
12	RES		A08A	A08F		100Ω

7006268-0



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



7006268-1
(8L,8E,8M,8F)
7006268-2
(KI10)

REV	DATE	BY	CHKD	APPD	DESCRIPTION
1	10/1/72	W. J. H. /			PC04-00053
2	10/1/72	W. J. H. /			PC04-00053
3	10/1/72	W. J. H. /			PC04-00053
4	10/1/72	W. J. H. /			PC04-00053
5	10/1/72	W. J. H. /			PC04-00053
6	10/1/72	W. J. H. /			PC04-00053
7	10/1/72	W. J. H. /			PC04-00053
8	10/1/72	W. J. H. /			PC04-00053
9	10/1/72	W. J. H. /			PC04-00053
10	10/1/72	W. J. H. /			PC04-00053
11	10/1/72	W. J. H. /			PC04-00053
12	10/1/72	W. J. H. /			PC04-00053
13	10/1/72	W. J. H. /			PC04-00053
14	10/1/72	W. J. H. /			PC04-00053
15	10/1/72	W. J. H. /			PC04-00053
16	10/1/72	W. J. H. /			PC04-00053
17	10/1/72	W. J. H. /			PC04-00053
18	10/1/72	W. J. H. /			PC04-00053
19	10/1/72	W. J. H. /			PC04-00053
20	10/1/72	W. J. H. /			PC04-00053

FIRST USE ON OPTION NO.		QTY	DESCRIPTION	PART NO.	REV
PC04					
UNLESS OTHERWISE SPECIFIED		EQUIPMENT CORPORATION			
TELEPHONES		TITLE (PC04)			
DESIGNED BY		WIRING ASSY			
CHECKED BY		D-UA-PC04-0-0			
APPROVED BY		SCALE			
DATE		SHEET			

DIGITAL EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS					QUANTITY / VARIATION														
PARTS LIST																			
MADE BY ROBERT MUTNAK		CHECKED <i>W. Carville</i>		SECTION		7006268-0	7006268-1	7006268-2											
DATE 2/20/69		DATE 5/5/69		1															
ENG DATE <i>2/20/69</i>		PROD DATE <i>5/5/69</i>		ISSUED SECT. 1															
ITEM NO.	DWG NO. / PART NO.	DESCRIPTION																	
1	B-IA-7407077-0-0	MTG BAR 6 IN.			1	1	1												
2	1202244	144 PIN COIN BLOCK WRAP TYPE			2	2	2												
3	1202188	BUS BAR BERG NO. 3584-032			A/R	PA	PA	R											
4	9107560-1	#22 AWG BUS WIRE			A/R	PA	PA	R											
5	9107265	#22 TUBING, TEFLON, WHITE			A/R	PA	PA	R											
6	9007597	TERMINAL SHAKEPROOF #2116-08-00			1	1	1												
7	9006034	SCR PNL PAN HD #8-32 x .19 LG SST			1	1	1												
8	9107470-10	#24 AWG SOLID KYNAR BLUE			A/R	PA	PA	R											
9	9007641	SCR PNL FIL HD #8-32 x 1/2 LG SST			4	4	4												
10	1005306	CAP 6.8 MFD 35V 10%			2	2	2												
11	1000086	CAP, 180 MFD 6V 10%																	
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. <i>G</i>															
DEC FORM NO. DRA 110																			

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DIGITAL EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS						
ENGINEERING SPECIFICATION						
TITLE PC04 Engineering Specification			DATE 11/11/69			
REVISIONS						
REV	DESCRIPTION	CHG NO	ORIG	DATE	APPD BY	DATE
A		PC04-00046	M. LEIS		M	3-17-71
<u>General Information:</u> 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, EC, 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. <u>Logic Levels:</u> Negative Logic Systems Logic 1 is -3.2v to -3.9 volts Logic 0 is 0v to -0.3 volts <u>Logic Levels:</u> Positive Logic Systems <u>Outputs</u> Logic 1 is >+2.4v Logic 0 <+0.4v <u>Inputs</u> Logic 1 is >+2.0v Logic 0 <+0.8v <u>Reader Signals:</u> 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>John A. Jones</i> APPD: <i>John A. Jones</i>						
DEC FORM NO DRA 107		SIZE CODE SP	NUMBER PC04-0-4	REV A	SHEET 1 OF 7	

TITLE PC04 Engineering Specification				CONTINUATION SHEET	
(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 $\pm$ 1.0 volt					
(3) -36 volts $\pm$ 4 volts					
<u>Power Requirements</u>					
Unit will run at 50 or 60 cycles, 115 volts $\pm$ 10%. 2.5 AMPS run					
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.					
DEC FORM NO DRA 108A		SIZE CODE SP	NUMBER PC04-0-4	REV A	SHEET 3 OF 7

TITLE PC04 Engineering Specification				CONTINUATION SHEET	
(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					
<u>Punch Signals:</u>					
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.					
DEC FORM NO DRA 108A		SIZE CODE SP	NUMBER PC04-0-4	REV A	SHEET 2 OF 7

TITLE PC04 Engineering Specification				CONTINUATION SHEET	
<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 $\pm$ 5%					
DEC FORM NO DRA 108A		SIZE CODE SP	NUMBER PC04-0-4	REV A	SHEET 4 OF 7

ENGINEERING SPECIFICATION		CONTINUATION SHEET			
TITLE PC04 Engineering Specification					
TABLE 1-1 PC04 Configuration					
CONFIGURATION	REFERENCE BLOCK SCHEMATICS	PUNCH MODULES	INTERFACE CABLES	READER MODULES	APPLICABLE COMPUTERS
PC04P	D/BS/PC04-0-2 Page 1 of 3	None	1-W077A	N/A	PDP8; PDP8/S; PDP8/I
PC04PL	D/BS/PC04-0-2 Page 1 of 3	3-M044	1-W033A	N/A	PDP8/L; PDP8E
PC04R	D/BS/PC04-0-2 Page 1 of 3	N/A	1-W077A	1-G918 4-W040 2-W512	PDP8; PDP8/S
PC04RB	D/BS/PC04-0-2 Pages 2 and 3 of 3	N/A	1-W077A	1-G918 4-M040	PDP8/I; PDP8/L PDP8/E
PC04B	D/BS/PC04-0-2 Page 1 of 3	None	2-W077A	1-G918 4-W040 2-W512	PDP8; PDP8/S
PC04BB	D/BS/PC04-0-2 Page 2 of 3	None	2-W077A	1-G918 4-M040	PDP8/I
PC04BL	D/BS/PC04-0-2 Page 3 of 3	3-M044	2-W033C	1-G918 4-M040	PDP8/L PDP8/E
PC04C	D/BS/PC04-0-2 Page 1 of 3	None	2-W077A	1-G918 4-W040 2-W512	PDP9; PDP10

DEC FORM NO 16-1022
DRA 108

SIZE CODE
A

NUMBER
PC04-0-4

REV
A

SHEET 5 OF 7

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 (-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 (-).			

DEC FORM NO 16-1022
DRA 108

SIZE CODE
A

NUMBER
PC04-0-4

REV
A

SHEET 7 OF 7

ENGINEERING SPECIFICATION		CONTINUATION SHEET	
TITLE PC04 Engineering Specification - Test Procedure for reader			
1. Do not apply power until the following checks are made.			
a. Logic block empty.			
b. A01A, A02A, A01B, A02B, B01A, and B02A are bare (no wiring or bussing).			
c. B01B and B02B should be bussed together without any wires on them except for the PC04C configuration when a white/green wire will be on B01B.			
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/bio.			
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)	B08C	*wh/blue	A07B
#wh/black (str)	B07C	*wh/green	B01B
#brown (str)	A02B	#brown (solid)	B03R, S
#yellow (str)	A01V	#orange (solid)	B04R, S
*wh/yellow (str)	A08F	#yellow (solid)	B05R, S
+white (str)	B01U	#violet (solid)	B06R, S
grey/red (str)	A08A	+punch configurations	
grey/yellow (str)	A08B	*only on PC04C configuration	
blue (str)	B06V	#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 A08A and B08A (+5 volts ± 25 volts).			

DEC FORM NO 16-1022
DRA 108A

SIZE CODE
A

NUMBER
PC04-0-4

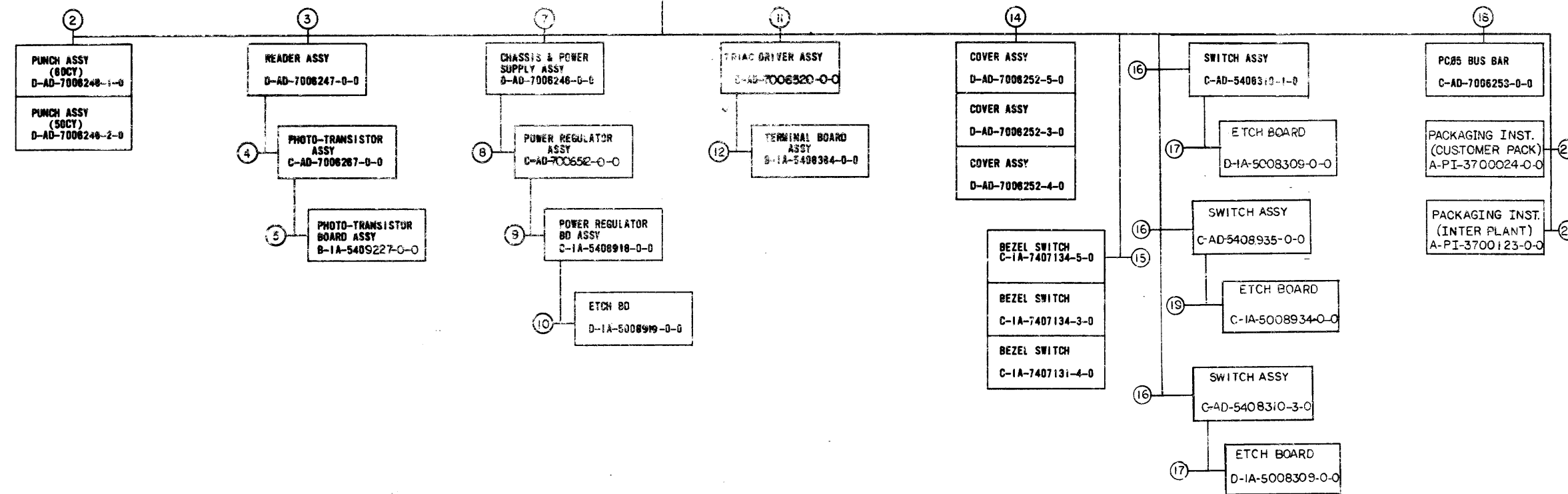
REV
A

SHEET 6 OF 7

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MODEL	DESCRIPTION	CY	COMPOSITION																	
			FIND NUMBER																	
PC05-C	PUNCH, READER, DRIVER	80	2	3	4	5	7	8	9	10	11	12	14	15	16	17	18	19		
PC05-CA	PUNCH, READER, DRIVER	50	-2	X	X	X	X	X	X	X	X	X	-4	-4	-5	X	X			
PC05-P	PUNCH, DRIVER	80	-1				X	X	X	X	X	X	-5	-5	-1	X	X			
PC05-PA	PUNCH, DRIVER	50	-2				X	X	X	X	X	X	-5	-5	-1	X	X			
PC05-R	READER			X	X	X	X	X	X	X	X	X	-3	-3	-3	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 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	PC05-00001	A	6/2/69	G. BECKNER		PC05-00001
2	PC05-00002	B	6/2/69	G. BECKNER		PC05-00002
3	PC05-00003	C	6/2/69	G. BECKNER		PC05-00003
4	PC05-00004	D	6/2/69	G. BECKNER		PC05-00004
5	PC05-00005	E	6/2/69	G. BECKNER		PC05-00005
6	PC05-00006	F	6/2/69	G. BECKNER		PC05-00006
7	PC05-00007	G	6/2/69	G. BECKNER		PC05-00007
8	PC05-00008	H	6/2/69	G. BECKNER		PC05-00008
9	PC05-00009	I	6/2/69	G. BECKNER		PC05-00009
10	PC05-00010	J	6/2/69	G. BECKNER		PC05-00010
11	PC05-00011	K	6/2/69	G. BECKNER		PC05-00011
12	PC05-00012	L	6/2/69	G. BECKNER		PC05-00012
13	PC05-00013	M	6/2/69	G. BECKNER		PC05-00013
14	PC05-00014	N	6/2/69	G. BECKNER		PC05-00014
15	PC05-00015	O	6/2/69	G. BECKNER		PC05-00015
16	PC05-00016	P	6/2/69	G. BECKNER		PC05-00016
17	PC05-00017	Q	6/2/69	G. BECKNER		PC05-00017
18	PC05-00018	R	6/2/69	G. BECKNER		PC05-00018
19	PC05-00019	S	6/2/69	G. BECKNER		PC05-00019
20	PC05-00020	T	6/2/69	G. BECKNER		PC05-00020
21	PC05-00021	U	6/2/69	G. BECKNER		PC05-00021
22	PC05-00022	V	6/2/69	G. BECKNER		PC05-00022
23	PC05-00023	W	6/2/69	G. BECKNER		PC05-00023
24	PC05-00024	X	6/2/69	G. BECKNER		PC05-00024
25	PC05-00025	Y	6/2/69	G. BECKNER		PC05-00025
26	PC05-00026	Z	6/2/69	G. BECKNER		PC05-00026

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		DATE 6/2/69 DATE 6/2/69 DATE 6/2/69 DATE 6/2/69	
MATERIAL FINISH		NEXT HIGHER ASSY A-ML-PC05-0		TITLE DRAWING INDEX LIST PC05	
SCALE SHEET 1 OF 2		DIST.		REV Z	

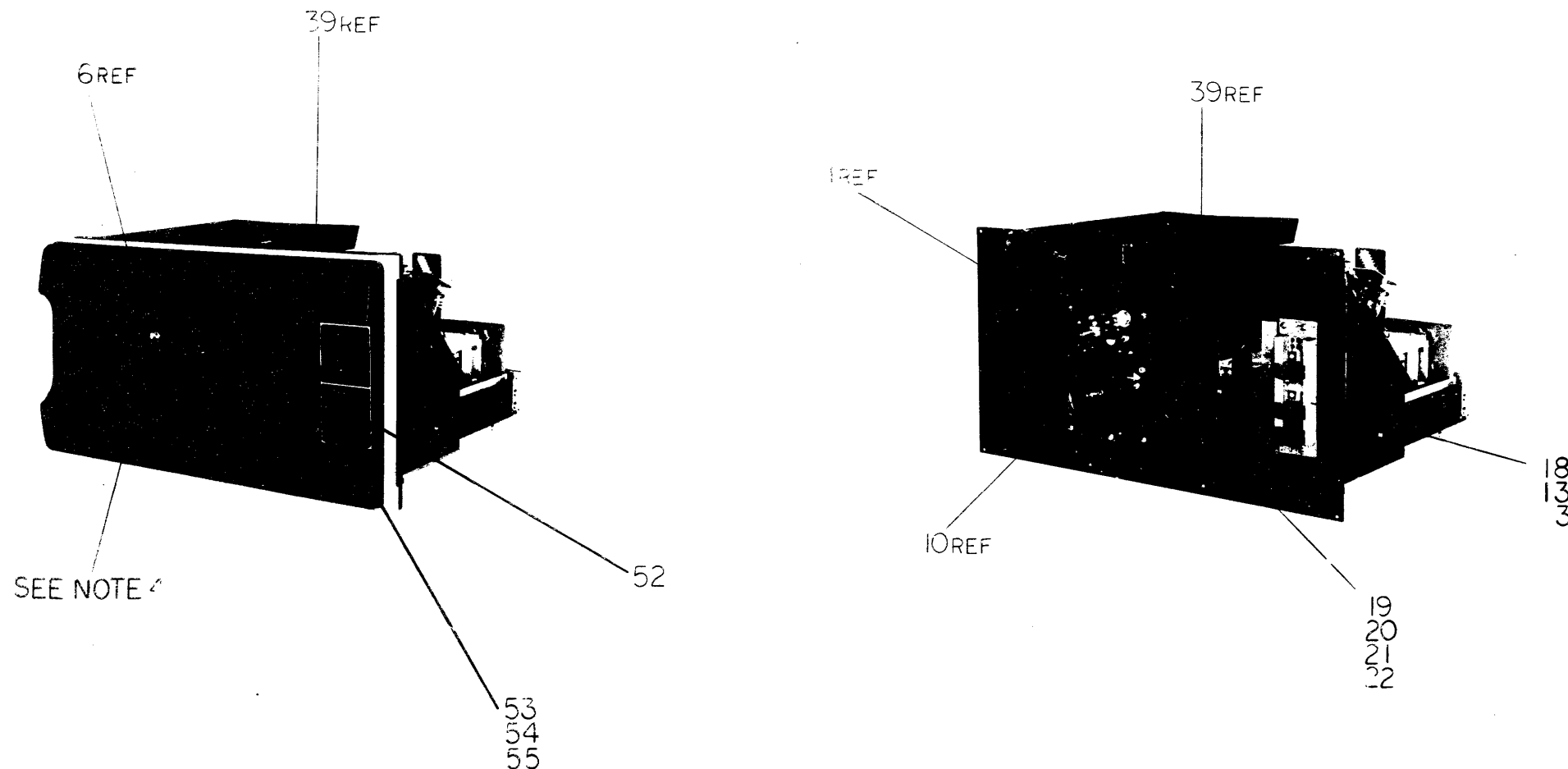
MECHANICAL						DEPT USAGE			MECHANICAL						DEPT USAGE			ELECTRICAL						DEPT USAGE		
FIND NO.	DESCRIPTION	PART NO.	PROD	CUST	F/C	FIND NO.	DESCRIPTION	PART NO.	PROD	CUST	F/C	FIND NO.	DESCRIPTION	PART NO.	PROD	CUST	F/C	FIND NO.	DESCRIPTION	PART NO.	PROD	CUST	F/C			
1	PCB5- READER, PUNCH.	D-UA-PCB5-O-O				4	PHOTO TRANSISTOR ASSY	C-IA-7006287-0-0				16	SWITCH ASSY SWITCH ASSY SWITCH ASSY (PL) BAR SPACER SW.00.	C-AD-5406310-1-0 C-AD-5406310-2-0 C-AD-5406310-3-0 A-PL-5406310-0-0 B-MD-7407175-0-0				1	PAPER TAPE PUNCH, READER SCR PCB5-READER & PUNCH & DRIVER PCB5-P-PUNCH PCB5-PA-PUNCH PCB5-R POWER & CONTROL SCHEMATIC DIAGRAM MODULE UTILIZATION MODULE UTILIZATION (PL) SET UP PROCEDURE ACCESSORY LIST	A-WL-PCB5-B A-WL-PCB5-CA A-WL-PCB5-P A-WL-PCB5-PA A-WL-PCB5-R D-BS-PCB5-B-4 C-MU-PCB5-3 A-PL-PCB5-3 A-SP-PCB5-O-O A-AL-PCB5-O-O5						
2	PCB5 READER & PUNCH (PL) CHAD BOX TAPE CONTAINER BRKT: RESISTOR POWER SUPPLY COVER SCR MODULE RETAINER HOLD DOWN BAR PACKAGING INSTRUCTION PCO 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-PCB5-B-4 B-MD-7405300-0-0 D-MD-7407131-0-0 C-MD-7406309-0-0 E-IA-7407438-0-0 C-IA-7405642-0-0 C-IA-7408334-7-0 A-PI-3700024-0-0				5	PHOTO TRANSISTOR BD ASSY	B-IA-5409227-0-0				17	PCO SWITCH BOARD FLIP CHIP MODULE	D-IA-5006308-0-0 D-MD-1402230-0-0				7	CHASSIS & POWER SUPPLY ASSY	D-AD-7006248-0-0						
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-7407078-0-0 D-MD-7407085-0-0 B-MD-7407118-0-0 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-IA-7407694-0-0 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 (PC84)	D-AD-7006248-0-0 A-PL-7006248-0-0 D-IA-7407075-0-0 C-MD-7407085-1-0 C-MD-7407085-2-0 E-IA-7407074-0-0 C-MD-5309640-0-0 D-IA-7006311-0-0 D-IA-7006310-0-0 D-IA-7006308-0-0 A-DC-7407478-0-0				18	PR SWITCH BOARD	D-IA-5008934-0-0				11	TRIAC DRIVER ASSY CIRCUIT SCHEMATIC	C-AD-7006520-0-0 B-CS-7006520-0-0						
						8	PWR REGULATOR ASSY PWR REGULATOR (PL) HEATSINK, PWR REGULATOR CIRCUIT SCHEMATIC	C-AD-7006512-0-0 A-PL-7006512-0-0 C-MD-7407089-0-0 B-CS-5406308-0-1				19	PACKAGING INSTRUCTIONS OUTER SHIPPING CARTON INNER SHIPPING CARTON BOTTOM PAD FRONT SPACER SIDE SPACER REAR SUPPORT TOP SPACER TORO PAD POLY BAG	A-PI-3700024-0-0 A-PS-9905046-0-0 A-PS-9905047-0-0 A-PS-9905053-0-0 A-PS-9905054-0-0 A-PS-9905055-0-0 A-PS-9905052-0-0 A-PS-9905056-0-0 A-PS-9905044-1-0 A-PS-9905129-7-0				8	PWR REGULATOR ASSY CIRCUIT SCHEMATIC	C-AD-7006512-0-0 B-CS-5408918-0-1						
						9	PWR REGULATOR BOARD ASSY	C-IA-5408918-0-0				20	PACKAGING INSTRUCTIONS TAPELESS CARTON SPECIAL DIE CUT ONE PIECE FOLDER QUAD MODULE BOOK PACK POLY BAG	A-PI-3700123-0-0 A-PS-9905348-00-0 A-PS-9905348-01-0 A-PS-9905348-02-0 A-PS-9905072-0-0 A-PS-9905129-7-0												
						10	ETCH BOARD	D-IA-5008919-0-0																		
						11	TRIAC DRIVER ASSY SCR DRIVER ASSY (PL) SCR DRIVER CHASSIS	C-AD-7006520-0-0 A-PL-7006520-0-0 C-IA-7407070-0-0																		
						12	TERMINAL BD ASSY	E-IA-5408384-0-0																		
						13	TERMINAL BOARD	C-IA-5008384-0-0																		
						14	COVER ASSEMBLY COVER ASSEMBLY COVER ASSEMBLY (PL) COVER, PCO (BASIC & COMB) COVER, PCO (PUNCH) COVER, PCO (READER) BEZEL	D-AD-7006252-3-0 D-AD-7006252-4-0 D-AD-7006252-5-0 A-PL-7006252-0-0 E-SC-1209398-1-0 E-SC-1209398-3-0 E-SC-1209398-5-0 E-SC-1209225-0-0																		
						15	BEZEL SWITCH SILK SCREEN BEZEL SWITCH SILK SCREEN BEZEL SWITCH SILK SCREEN	C-IA-7407134-5-0 A-SS-7407134-5-1 C-IA-7407134-3-0 A-SS-7407134-2-0 C-IA-7407134-4-0 A-SS-7407134-4-1																		

FORM NO.			FIRST USED OR OPTION / MODEL			DO NOT SCALE DRAWING			PARTS LIST		
UNLESS OTHERWISE SPECIFIED			PC05			UNLESS OTHERWISE SPECIFIED			digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS		
DIMENSIONS IN INCHES						DIMENSIONS IN INCHES			DATE 6/2/69		
TOLERANCES						TOLERANCES			DATE 6/2/69		
DECIMALS FRACTIONS ANGLES						DECIMALS FRACTIONS ANGLES			DATE 6/2/69		
.005 ± 1/64 ± 0°30'						.005 ± 1/64 ± 0°30'			DATE 6/2/69		
FINISH SURFACE QUALITY						FINISH SURFACE QUALITY			DATE 6/2/69		
REMOVE BURRS AND BREAK SHARP CORNERS						REMOVE BURRS AND BREAK SHARP CORNERS			DATE 6/2/69		
MATERIAL						MATERIAL			NEXT HIGHER ASSY		
+						+			A-ML-PC05-0		
FINISH						FINISH			SCALE		
+						+			SHEET 2 OF 2		
									DIST.		

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MODEL	QTY	VARIATION
PC05-C	60	READER PUNCH & DRIVER
PC05-CA	50	READER PUNCH & DRIVER
PC05-P	1	PUNCH
PC05-PA	50	PUNCH
PC05-R	1	READER

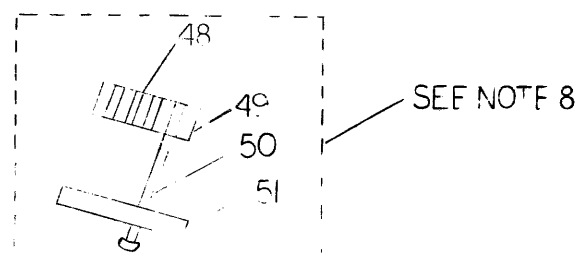
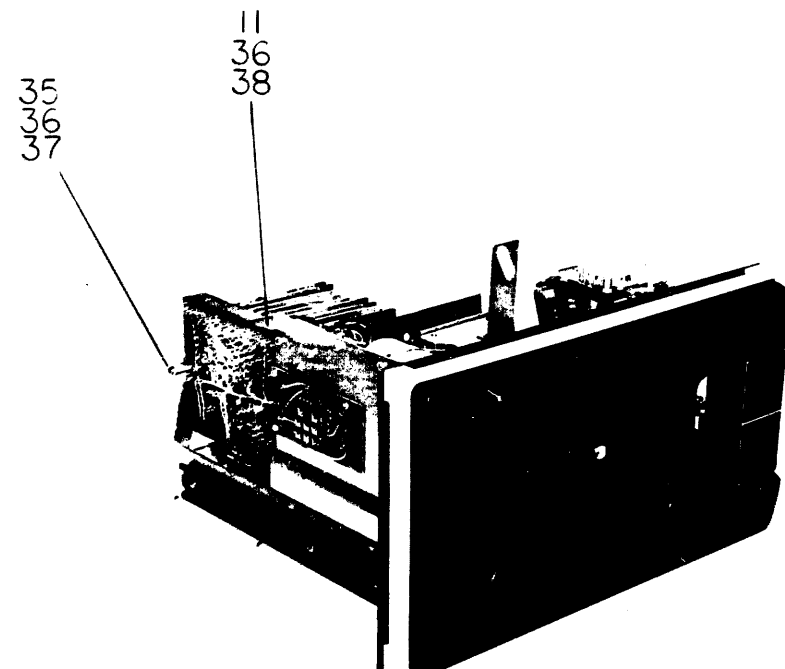
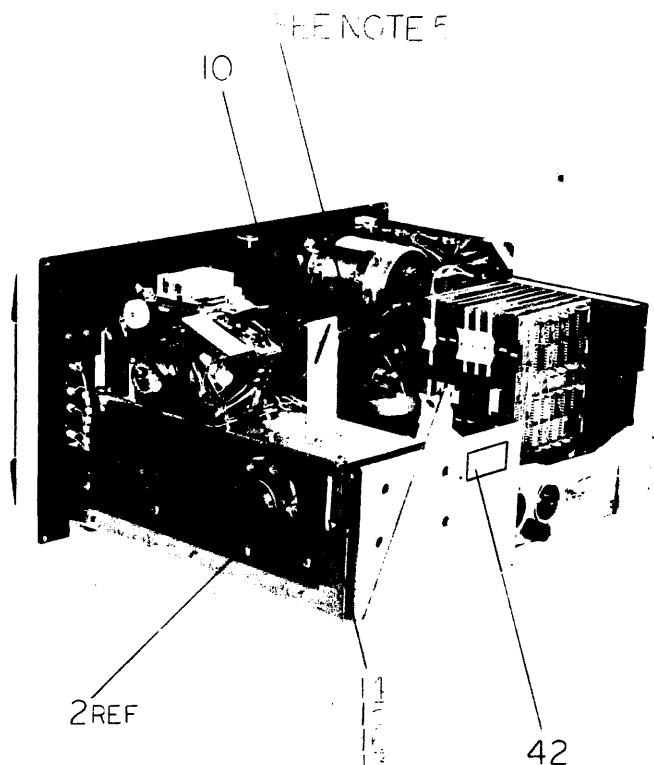
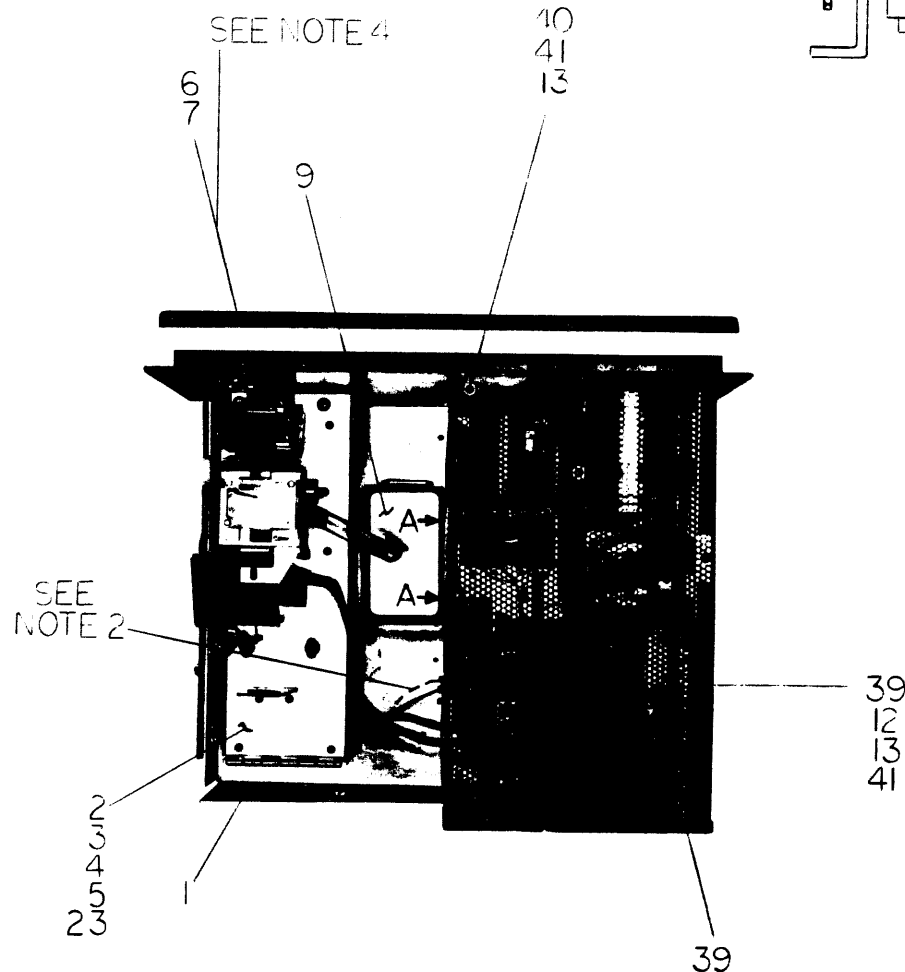
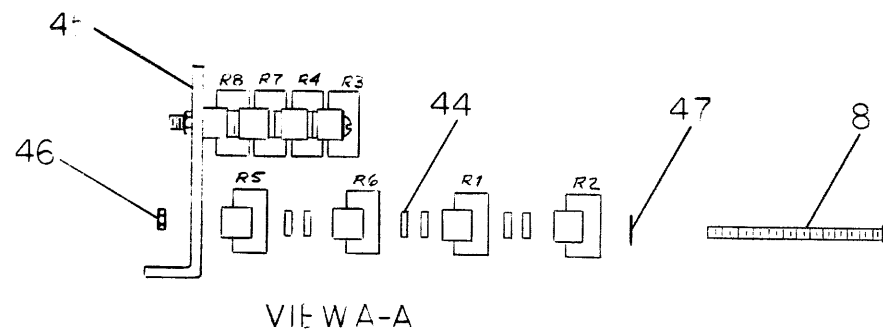
- NOTES:
1. WIRING OF SWITCHES VARIES DEPENDS ON UNIT MODEL BEING BUILT. FOR SWITCH CONFIGURATION, FOR WIRING PURPOSES SEE DETAIL "A" FOR MODEL "C" AND "CA", DETAIL "B" FOR MODEL "P" AND "PA", AND DETAIL "C" FOR MODEL "R". 60 QTY HAS NO EFFECT.
 2. IF THE TRIAC DRIVER UNIT IS USED, THIS WIRE WILL CONNECT TO TRIAC DRIVER TERMINAL T1. IF THE UNIT IS NOT USED, THE 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 PLATE ~~ABLE~~ IN POSITION, THEN REINSTALL CLAMP IN POSITION OVER TABLE.
 4. COVER ASSY TO BE ATTACHED TO CHASSIS ONLY 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.



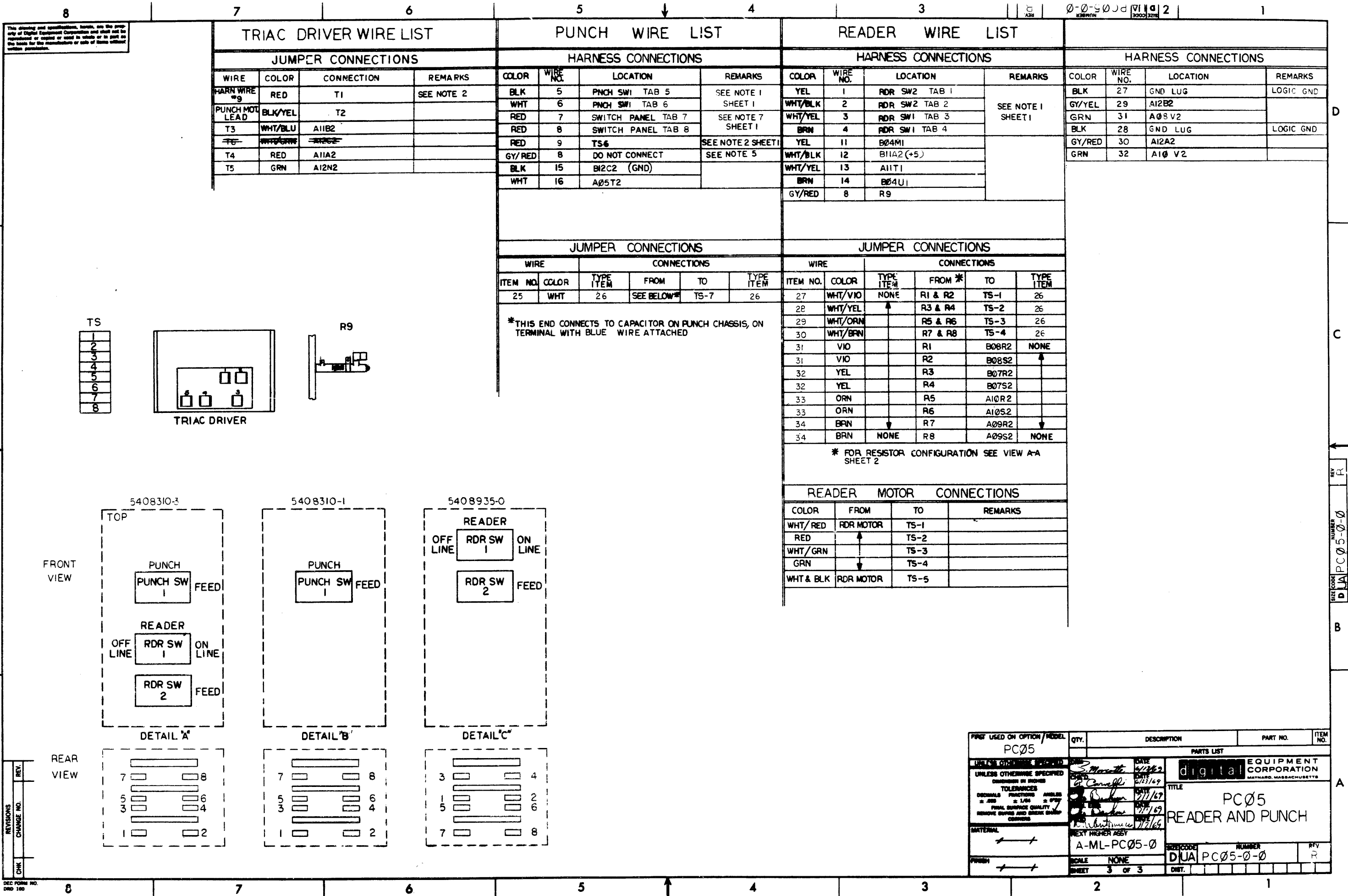
REV.	CHANGE NO.	REV.
A	PC05-00002	A
B	PC05-00004	B
C	PC05-00007	C
D	PC05-00014	D
E	PC05-00021	E
F	PC05-00025	F
G	PC05-00027	G
H	PC05-00029	H
I	PC05-00031	I
J	PC05-00033	J
K	PC05-00035	K
L	PC05-00037	L
M	PC05-00039	M
N	PC05-00041	N
O	PC05-00043	O
P	PC05-00045	P
Q	PC05-00047	Q
R	PC05-00049	R
S	PC05-00051	S
T	PC05-00053	T
U	PC05-00055	U
V	PC05-00057	V
W	PC05-00059	W
X	PC05-00061	X
Y	PC05-00063	Y
Z	PC05-00065	Z

PC05		QTY.	DESCRIPTION	PART NO.	ITEM NO.
UNLESS OTHERWISE SPECIFIED		PARTS LIST			
UNLESS OTHERWISE SPECIFIED		TITLE			
DIMENSION IN INCHES		PC05			
TOLERANCES		READER AND PUNCH			
DECIMALS FRACTIONS ANGLES		SIZE CODE			
±.005 ±.002 ±.001		DUA			
FINAL SURFACE QUALITY		NUMBER			
REMOVE BURRS AND BREAK SHARP CORNERS		PC05-0-0			
MATERIAL		REV.			
FINISH		SHEET			
NEXT HIGHER ASSY		OF 3			
SCALE		DIST.			
NONE		1			

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FIRST USE/CON OPTION/MODEL		QTY.	DESCRIPTION	PART NO.	ITEM NO.
PC05					
UNLESS OTHERWISE SPECIFIED		DRN.	DATE	PARTS LIST	
UNLESS OTHERWISE SPECIFIED		CHK'D.	DATE	digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS	
TOLERANCES		ENG.	DATE	TITLE	
DECIMALS FRACTIONS ANGLES		PROJ. ENG.	DATE	PC05	
± .005 ± 1/64 ± 0°30'		PROD.	DATE	READER AND PUNCH	
FINAL SURFACE QUALITY				SIZE CODE	
REMOVE BURRS AND BREAK SHARP CORNERS				NUMBER	
MATERIAL		NEXT HIGHER ASSY		REV.	
+ - - - - +		A-MI-PC05-0		DUA	
FINISH		SCALE		PC05-0-0	
+ - - - - +		SHEET 2 OF 3		DIST.	



REV

CHANGE NO.

CHK

DEC FORM NO. DND 100

8

7

6

5

4

3

2

1

FIRST USED ON OPTION / MODEL PC05	QTY.	DESCRIPTION	PART NO.	ITEM NO.
UNLESS OTHERWISE SPECIFIED DIMENSIONS IN INCHES TOLERANCES DECIMALS FRACTIONS ANGLES ± .005 ± 1/64 ± .005 FINAL SURFACE QUALITY REMOVE BURRS AND SHARP EDGES CORNERS				
MATERIAL FINISH	PARTS LIST digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS TITLE PC05 READER AND PUNCH SIZE CODE DUA NUMBER PC05-0-0 REV R			
NEXT HIGHER ASSY A-ML-PC05-0		SCALE NONE SHEET 3 OF 3		

DIGITAL EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS			QUANTITY / VARIATION											
PARTS LIST														
MADE BY P. MARCOTTE		CHECKED <i>P. Marcotte</i>	SECTION											
DATE 6/19/69		DATE 6/24/69	1											
ENG <i>P. Marcotte</i>		PROD <i>P. Marcotte</i>	ISSUED SECT.											
DATE 7/1/69		DATE 7/2/69	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		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	9006042-2	SCR, PHL PH 8-32 x 1 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 PC05		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	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									
17	C-AD-7006253-0-0	SCR, PHL PAN HD 6-32 x 3/8 LG SST		3	3	3	3	3						
18	C-AD-5408310-1-0	SWITCH ASSY				1	1							
18	C-AD-5408935-0-0	SWITCH ASSY						1						
TITLE		PC05 READER, PUNCH, DRIVER		ASSY NO. D-UA-PC05-0-0		SIZE CODE A PL		NUMBER PC05-0-0		REV. R		ECO NO. 00087		
SHEET 1 OF 3		DIST. G												
DEC FORM NO. DRA 110														

DIGITAL EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS			QUANTITY / VARIATION											
PARTS LIST														
MADE BY P. MARCOTTE		CHECKED <i>P. Marcotte</i>	SECTION											
DATE 6/19/69		DATE 6/24/69	1											
ENG <i>P. Marcotte</i>		PROD <i>P. Marcotte</i>	ISSUED SECT.											
DATE 7/1/69		DATE 7/2/69	1											
ITEM NO.	DWG NO. / PART NO.	DESCRIPTION		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 ST INKABLE TUBING						A/1A/R						
44	9006664	WASHER #10 SST		24	24			24						
45	C-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						
52	C-IA-7407134-3-0	BEZEL SWITCH						1						
52	C-IA-7407134-4-0	BEZEL SWITCH		1	1									
52	C-IA-7407134-5-0	BEZEL SWITCH				1	1							
53	9006558	NUT-HEX # 6-32 SST		2	2	2	2	2						
54	9006633	WASHER INT TOOTH LOCK #6		2	2	2	2	2						
55	9006656	WASHER FLAT		2	2	2	2	2						
56	A-PI-3700024-0-0	PACKAGING INSTRUCTIONS		1	1	1	1	1						
57	A-PI-3700123-0-0	PACKAGING INSTRUCTIONS		1	1	1	1	1						
TITLE		PC05 READER, PUNCH, DRIVER		ASSY NO. D-UA-PC05-0-0		SIZE CODE A PL		NUMBER PC05-0-0		REV. R		ECO NO.		
SHEET 3 OF 3		DIST. G												
DEC FORM NO. DRA 110														

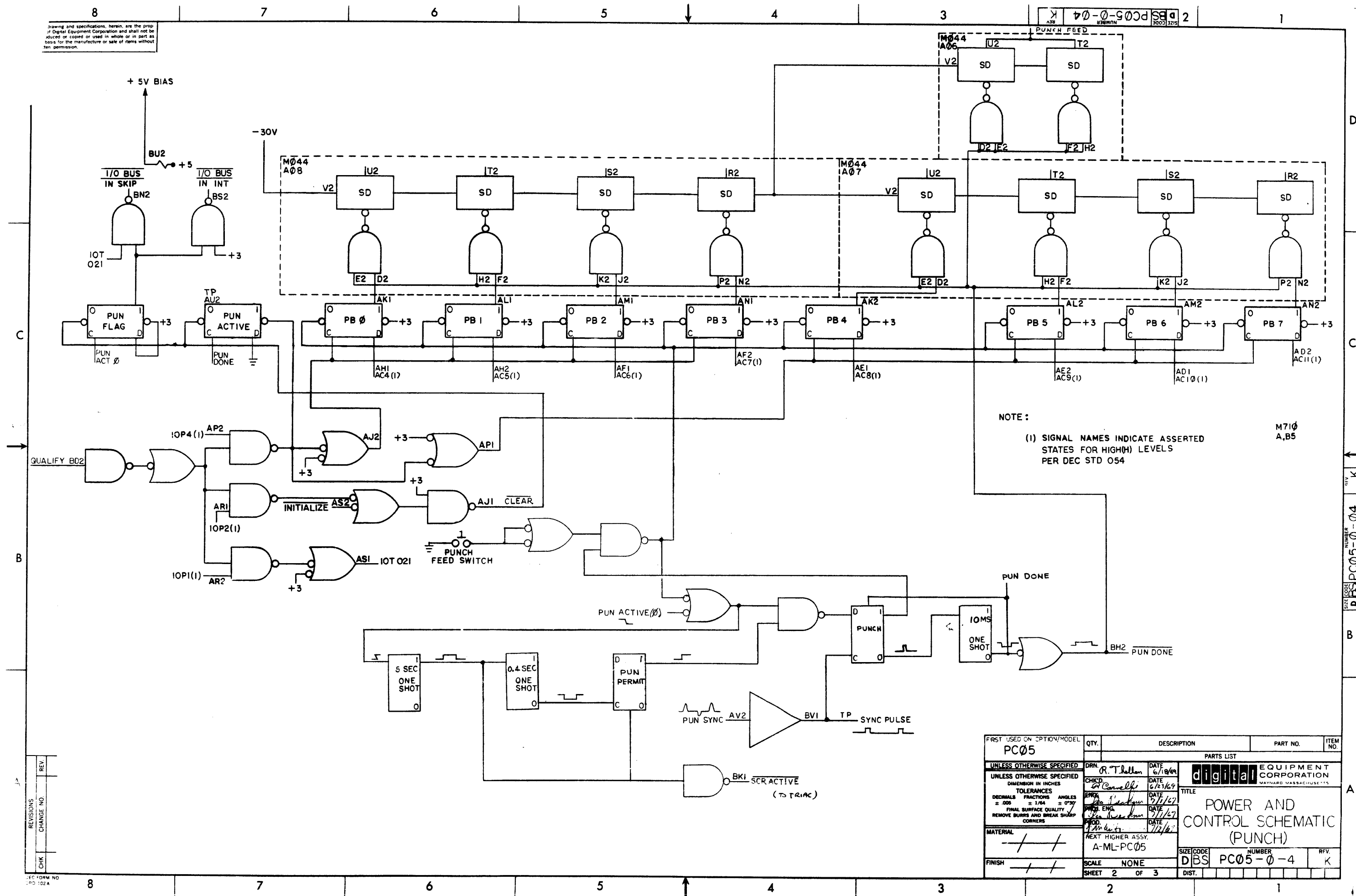
DIGITAL EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS			QUANTITY / VARIATION											
PARTS LIST														
MADE BY P. MARCOTTE		CHECKED <i>P. Marcotte</i>	SECTION											
DATE 6/19/69		DATE 6/24/69	1											
ENG <i>P. Marcotte</i>		PROD <i>P. Marcotte</i>	ISSUED SECT.											
DATE 7/1/69		DATE 7/2/69	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 PH 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/R	A/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/R	A/R			A/R						
28	9107400-94	22 AWG STRD TEFLON TRACER WHT/YEL		A/R	A/R			A/R						
29	9107400-93	22 AWG STRD TEFLON TRACER WHT/ORN		A/R	A/R			A/R						
30	9107400-91	22 AWG STRD TEFLON TRACER WHT/BRN		A/R	A/R			A/R						
31	9107470-77	24 AWG SOLID KYNAR VIO		A/R	A/R			A/R						
32	9107470-44	24 AWG SOLID KYNAR YEL		A/R	A/R			A/R						
33	9107470-33	24 AWG SOLID KYNAR ORN		A/R	A/R			A/R						
34	9107470-11	24 AWG SOLID KYNAR BRN		A/R	A/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		NUMBER PC05-0-0		REV. R		ECO NO.		
SHEET 2 OF 3		DIST. G												
DEC FORM NO. DRA 110														

DEC FORM NO.
DRD 102 A

87654321

SHEET 1 OF 3 DIST.

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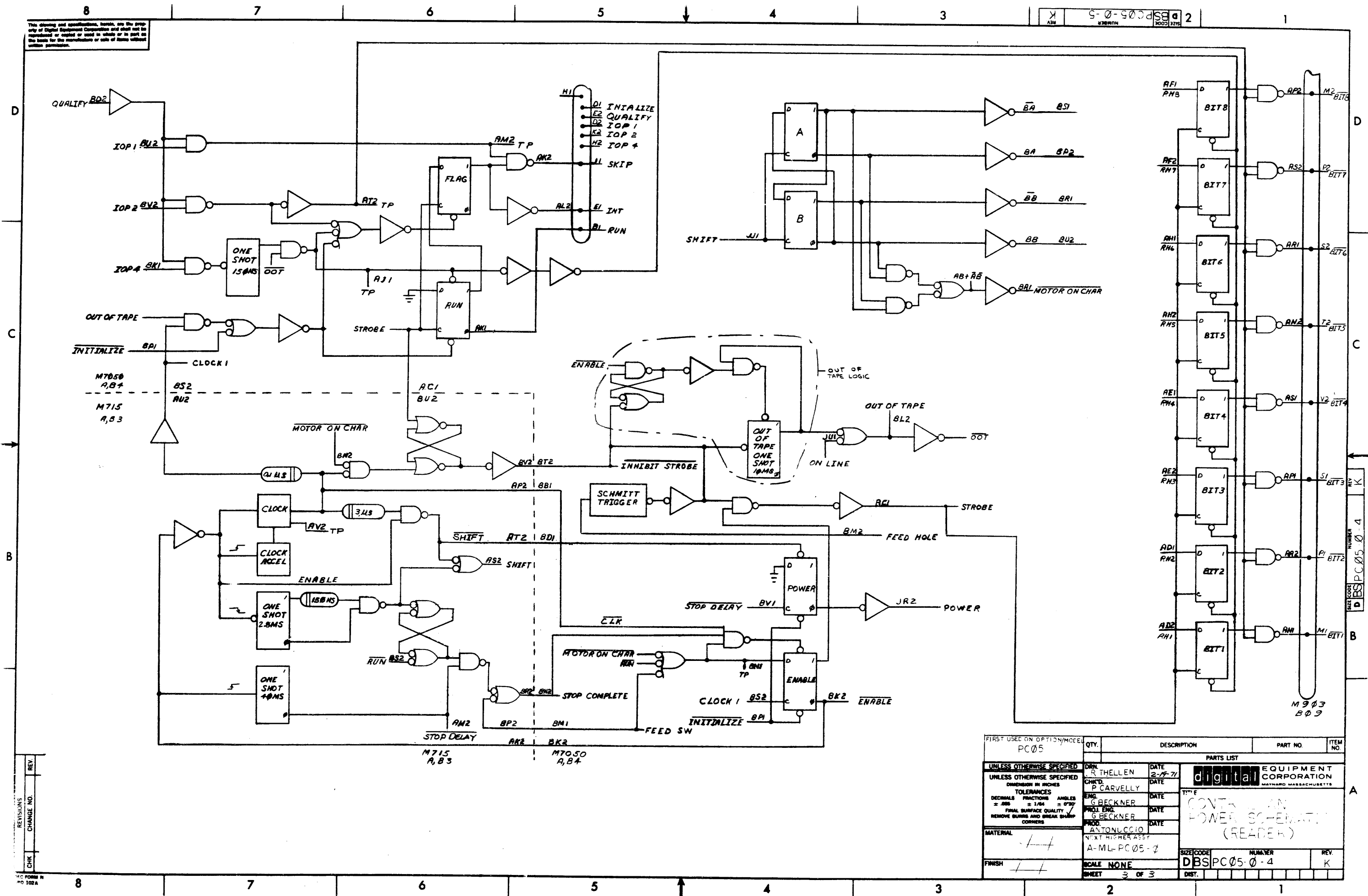


REV	CHANGE NO
1	1

SEC FORM NO 102A

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. R. Thellon CHK'D. G. Connelly ENG. J. S. Sweeney PROD. ENG. J. S. Sweeney PROD. J. S. Sweeney	DATE 6/18/69 DATE 6/18/69 DATE 7/1/69 DATE 7/1/69 DATE 7/1/69	PARTS LIST digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS	
MATERIAL FINISH		TITLE POWER AND CONTROL SCHEMATIC (PUNCH) A-ML-PC05		SIZE CODE D/B S	
SCALE NONE		NUMBER PC05-0-4		REV. K	
SHEET 2 OF 3		DIST.			

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FIRST USED ON OPTION/MODEL PC05		QTY.	DESCRIPTION	PART NO.	ITEM NO.
PARTS LIST					
UNLESS OTHERWISE SPECIFIED		DRN	R. THELLEN	DATE	2-7-71
UNLESS OTHERWISE SPECIFIED		CHKD	P. CARVELLY	DATE	
TOLERANCES		ENG	G. BECKNER	DATE	
DECIMALS FRACTIONS ANGLES		PROJ. ENG.	G. BECKNER	DATE	
± .005 ± 1/64 ± 0°30'		PROD.	A. TONUCCIO	DATE	
FINAL SURFACE QUALITY					
REMOVE BURRS AND BREAK SHARP CORNERS					
MATERIAL					
NEXT HIGHER ASSY					
A-ML-PC05-7					
FINISH					
SCALE NONE					
SHEET 3 OF 3					
DDBSPC05-0-4		SIZE CODE	NUMBER	REV	K
		DIST.			

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. (ETCH)
4. G918 MUST BE OF REVISION (B CIRCUIT OR HIGHER. (D ETCH)

-SEE NOTE 3

FIRST USED ON OPTION/MODEL		QTY.	DESCRIPTION		PART NO.	ITEM NO.
PCØ5			PARTS LIST			
UNLESS OTHERWISE SPECIFIED		DRM <i>S. Morante</i>	DATE 6/18/69	digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS		
UNLESS OTHERWISE SPECIFIED		CHK'D <i>A. Carnelli</i>	DATE 6/20/69			
DIMENSION IN INCHES		ENG'D <i>John Beckman</i>	DATE 7/1/69			
TOLERANCES		PROJ. ENG. <i>John Beckman</i>	DATE 7/1/69			
DECIMALS FRACTIONS ANGLES ± .005 ± 1/64 ± 0°30'		PROD. <i>Riv. Unit. Corp.</i>	DATE 7/2/69	TITLE MODULE UTILIZATION LIST PCØ5		
FINAL SURFACE QUALITY ✓ REMOVE BURRS AND BREAK SHARP CORNERS		NEXT HIGHER ASSY. A-ML- PCØ5-Ø				
MATERIAL				SIZE/CODE	NUMBER	REV.
+ — +				C MU	PCØ5-Ø-3	B
FINISH		SCALE	SHEET		DIST.	
+ — +		+ — +	1 OF 1			

[illegible]

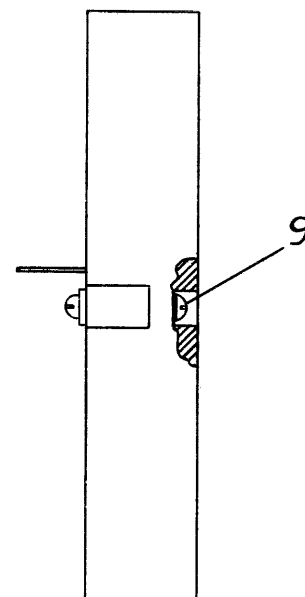
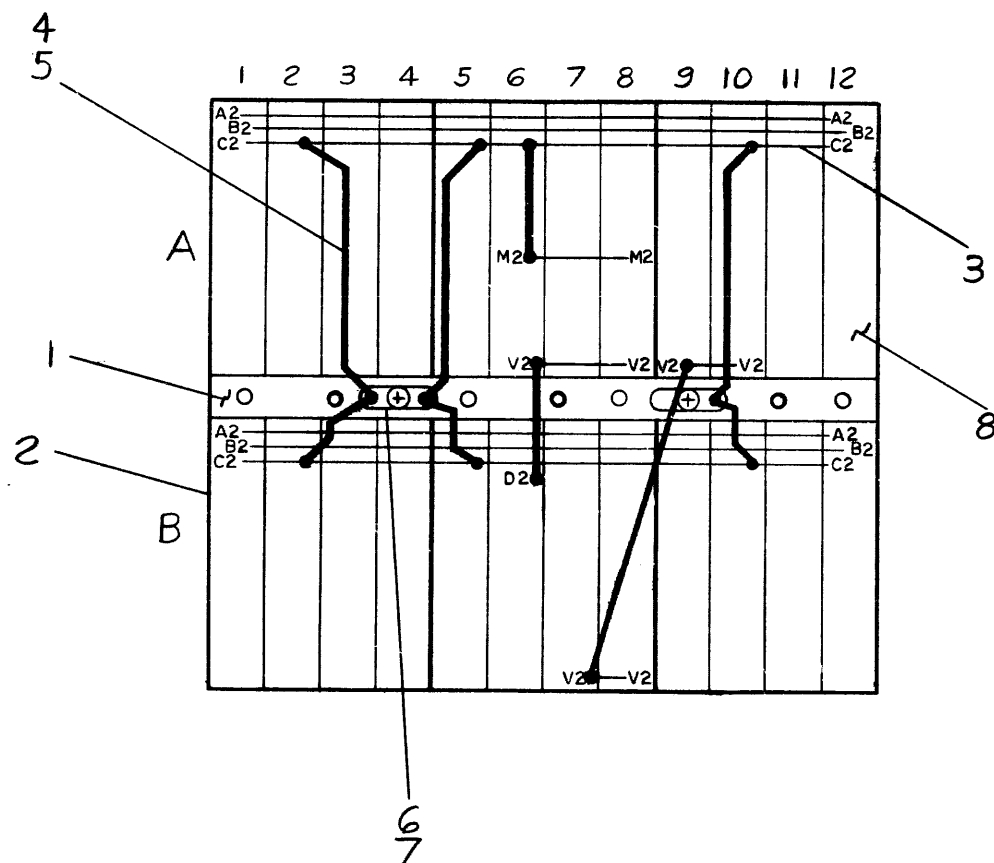
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EXTERNAL COMPONENT TABLE

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.



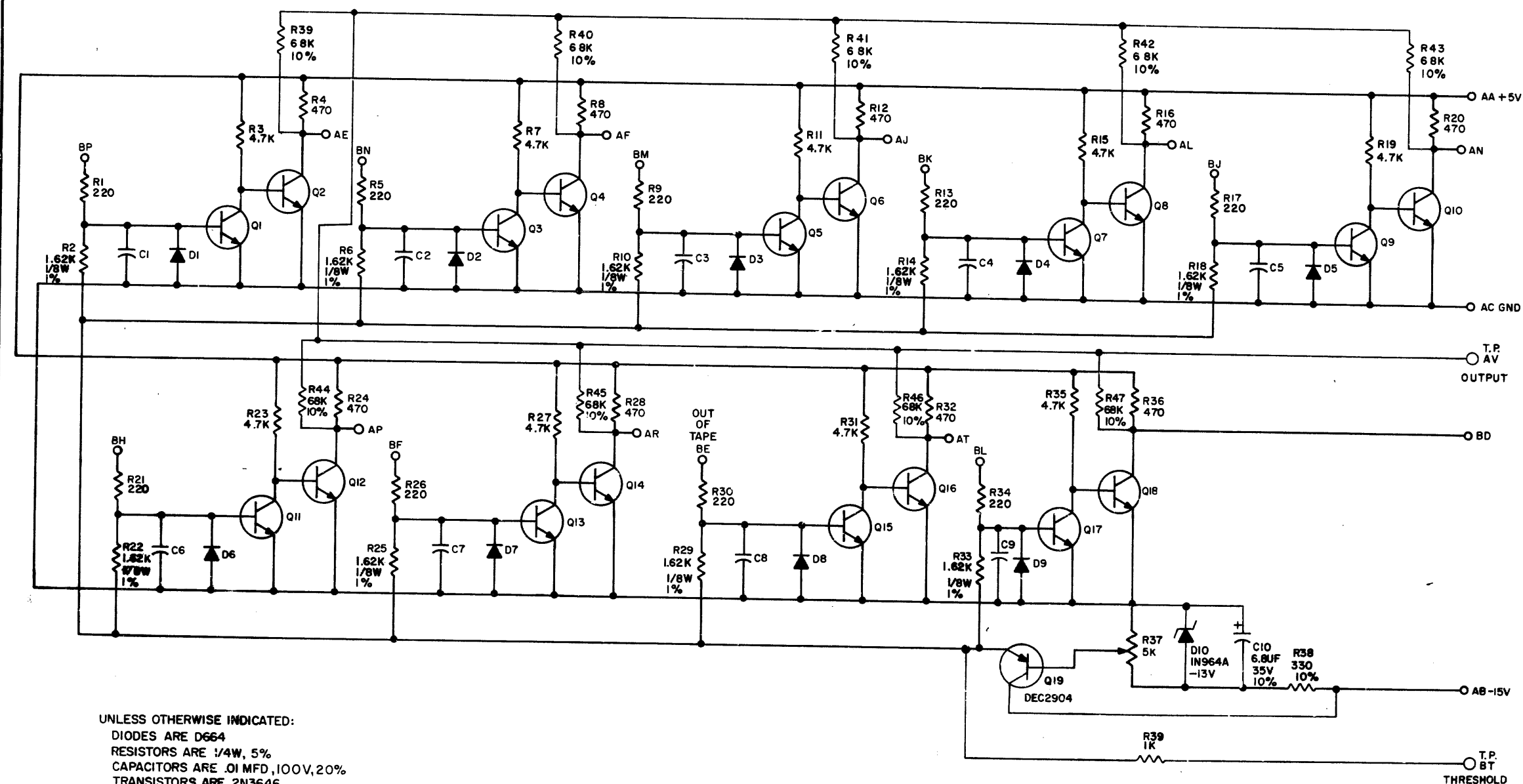
REV.	CHANGE NO.	REV.
A	PC05-00003	
B	PC05-00016	
C	PC05-00021	
D	PC05-00021	

DEC FORM NO.
DRC 100

FIRST USED ON OPTION/MODEL PC05	QTY.	DESCRIPTION	PART NO.	ITEM NO.
UNLESS OTHERWISE SPECIFIED				
UNLESS OTHERWISE SPECIFIED				
DIMENSION IN INCHES				
TOLERANCES				
DECIMALS FRACTIONS ANGLES				
± .005 ± 1/64 ± 0°30'				
FINAL SURFACE QUALITY				
REMOVE BURRS AND BREAK SHARP CORNERS				
MATERIAL				
FINISH				
DRN. DATE 6/19/69				
CHK'D. DATE 6/19/69				
ENG. DATE 7/1/69				
MOD. DATE 7/1/69				
NEXT HIGHER ASSY				
D-UAPC05-0-0				
SCALE				
SHEET 1 OF 1				
PARTS LIST				
digital EQUIPMENT CORPORATION				
MAYNARD, MASSACHUSETTS				
TITLE				
BUS BAR (PC05)				
SIZE CODE				
NUMBER				
REV.				
C AD 7006253-0-0 C				

[illegible]

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REV.	NO.	DATE
1	00001	4/1/69
2	00002	4/1/69
3	00003	4/1/69

DEC FORM NO. 102

DRN.	DATE
REUTLER	4/1/69
CHK'D	DATE
G. Yanga	4/1/69
ENG.	DATE
R. Abel	4/1/69
PROD.	DATE

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

digital
EQUIPMENT CORPORATION
 MAYNARD, MASSACHUSETTS

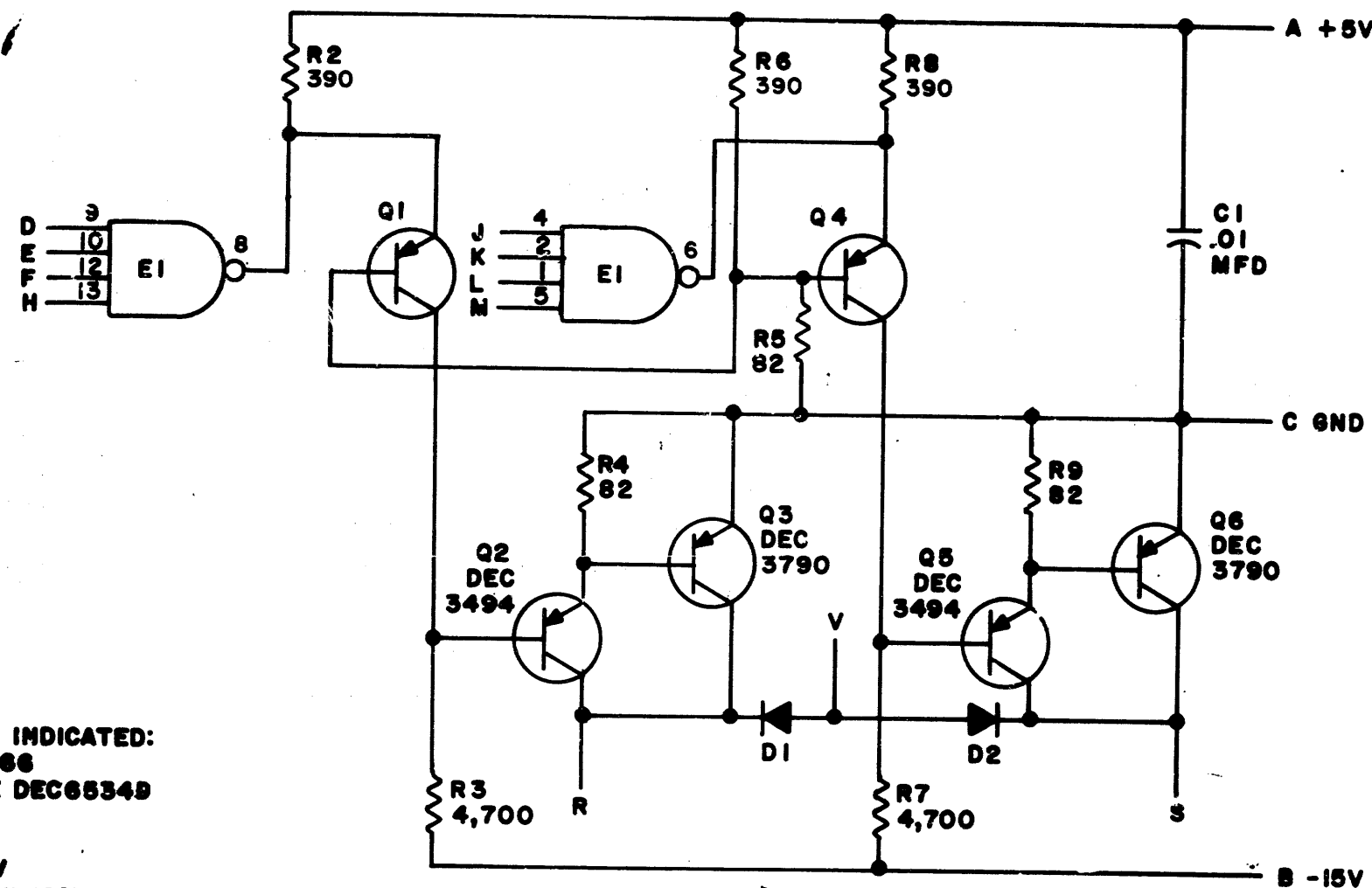
TITLE PHOTO TRANSISTOR AMPLIFIER G918			
SIZE	CODE	NUMBER	REV.
C	CS	G918-0-1	B
PRINTED CIRCUIT REV. D			

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

DIST. 324.434 +3.3 PINK

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REV. E
NUMBER M040-0-1
SIZE CODE B CS 3000 3215



UNLESS OTHERWISE INDICATED:
DIODES ARE MR2066
TRANSISTORS ARE DEC65349
EI IS DEC7480N
PIN 7 ON IC = GND
PIN 14 ON IC = +5V
RESISTORS ARE 1/4W, 10%

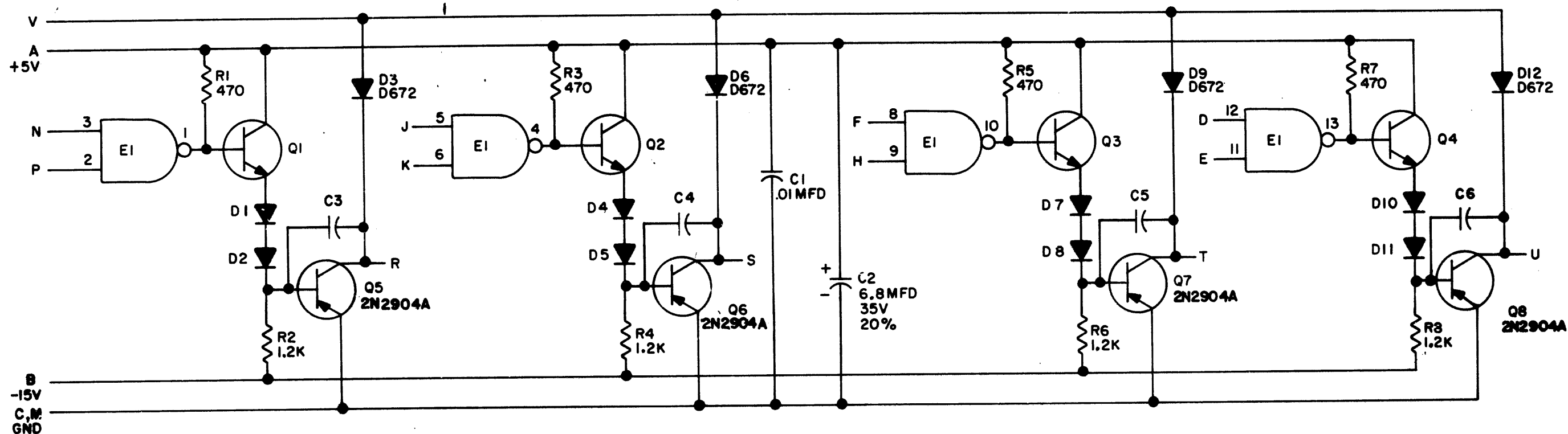
PARTS LIST A-PL-M040-0-0

REVISIONS	CHK	CHG NO.	REV.	E	DRN. M. Waller	DATE 9-15-67	TRANSISTOR & DIODE CONVERSION CHART				EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS	TITLE SOLENOID DRIVER M040			
	00001	00002	DEC				EIA	DEC	EIA						
	00001	00002	DEC3494				SAME								
	00001	00002	DEC3790				2N3790								
					CHK'D	DATE	DEC65340	MP6534			SIZE	CODE	NUMBER	REV.	
					PROD.	DATE	D652	IN446			B	CS	M040-0-1	E	
					MR2066					IN4003			PRINTED CIRCUIT REV.		E

DEC FORM NO. DRB 102

5 DIST. 324,434,435³ PINK

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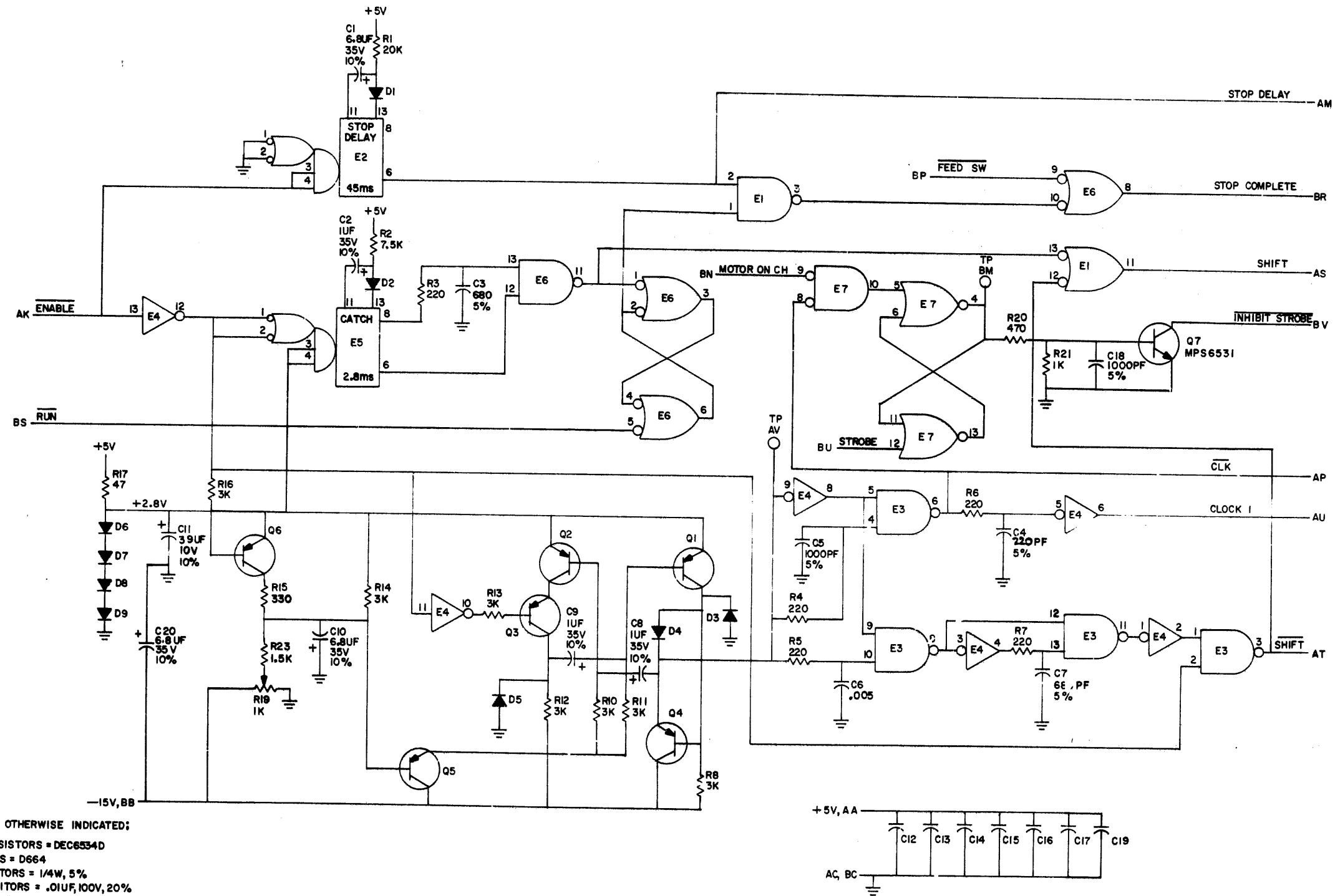
UNLESS OTHERWISE INDICATED:
RESISTORS ARE 1/4W, 10%
DIODES ARE D672
EI IS DEC7401N
TRANSISTORS ARE 2N2904A
PIN 7 ON EACH IC = GND
PIN 14 ON EACH IC = +5V
CAPACITORS ARE 100pf, 100V, 5%

REVISIONS		DRN. <i>BUTLER</i>	DATE <i>6/23/69</i>	TRANSISTOR & DIODE CONVERSION CHART		TITLE 4-100MA SOLENOID DRIVER M044	
CHG	NO.	REV.	DATE	DEC	EIA	DEC	EIA
1	0001	B	<i>6/23/69</i>	D672	1N3606		
2	0002	C	<i>6/23/69</i>	2N2904A	2N2904		
3	0003		<i>6/23/69</i>	DEC3009B	2N3009		
PROD.		DATE					
				EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS		SIZE B	CODE CS
				NUMBER M044-0-1		REV. C	
				PRINTED CIRCUIT REV.		B	

[illegible]

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

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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
 PIN 14 = +5V ON ALL IC'S
 E7 = DEC7402

REV	CHG	NO	REV	E	K	L
AY	00002					
REV	00006					
BY	00008					
BY	00005					
BY	00007					
BY	00009					

FORM NO. 102

DRN. M. HALLER	DATE 10/18/67
CHK'D R. SILVERMAN	DATE 11/2/67
ENG. R. S. SOBIE	DATE 11/2/67
PROD.	DATE

TRANSISTOR & DIODE CONVERSION CHART			
DEC	EIA	DEC	EIA
DEC6534D	MP6534	IN758	SAME
D664	IN3606		
DEC6531	MP6531		

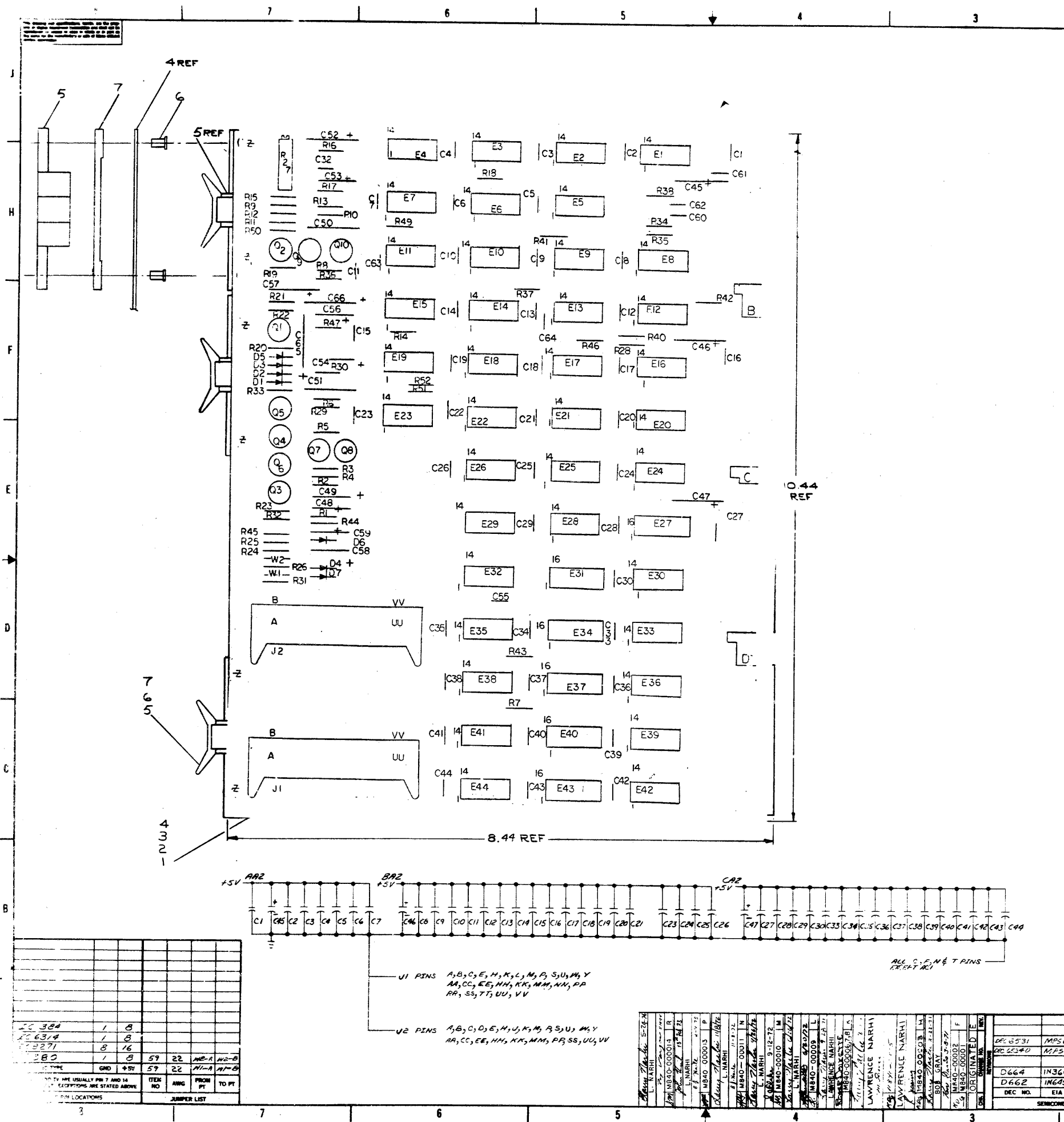
digital
 EQUIPMENT CORPORATION
 MAYNARD, MASSACHUSETTS

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

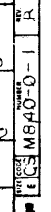
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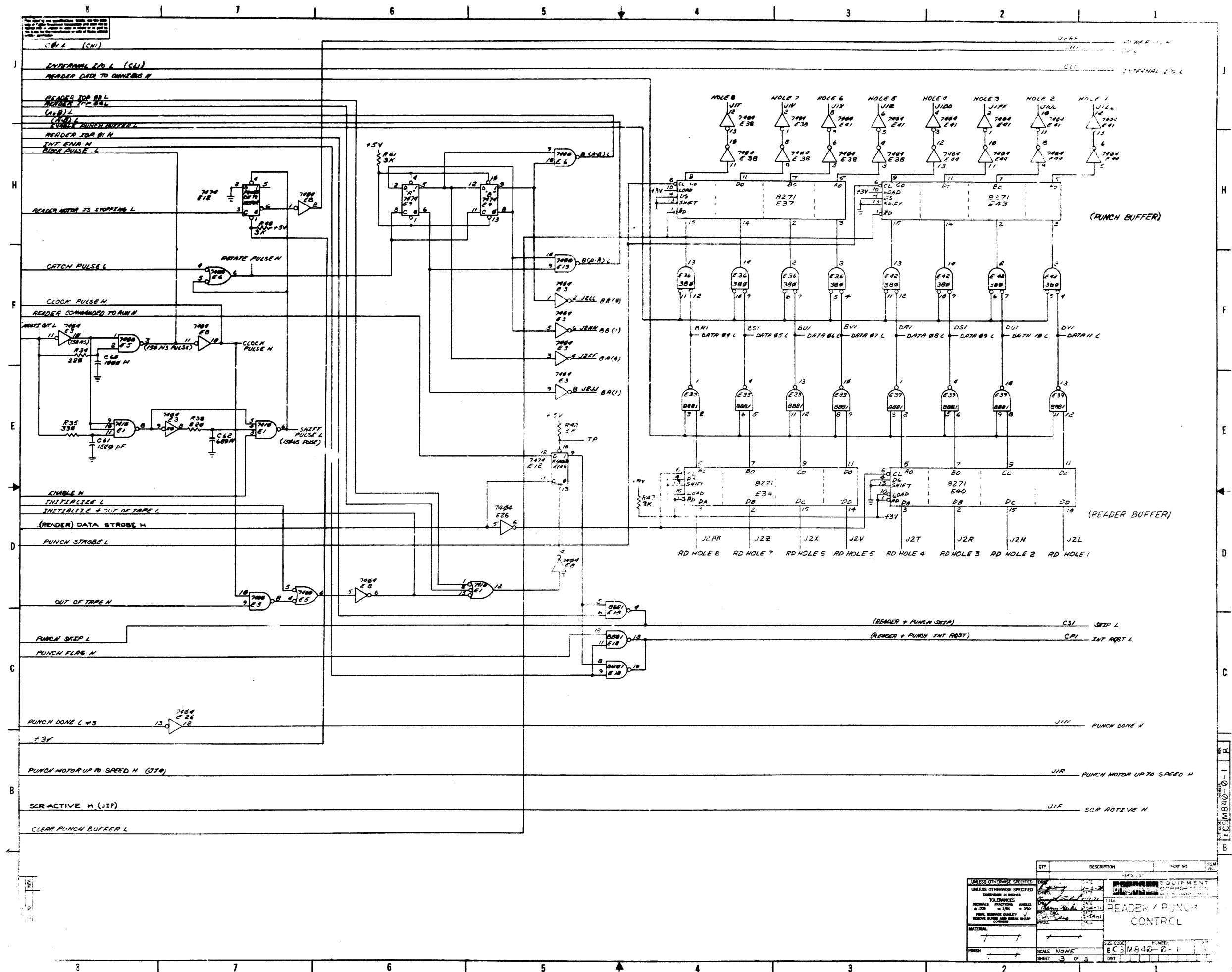
4 PINK

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



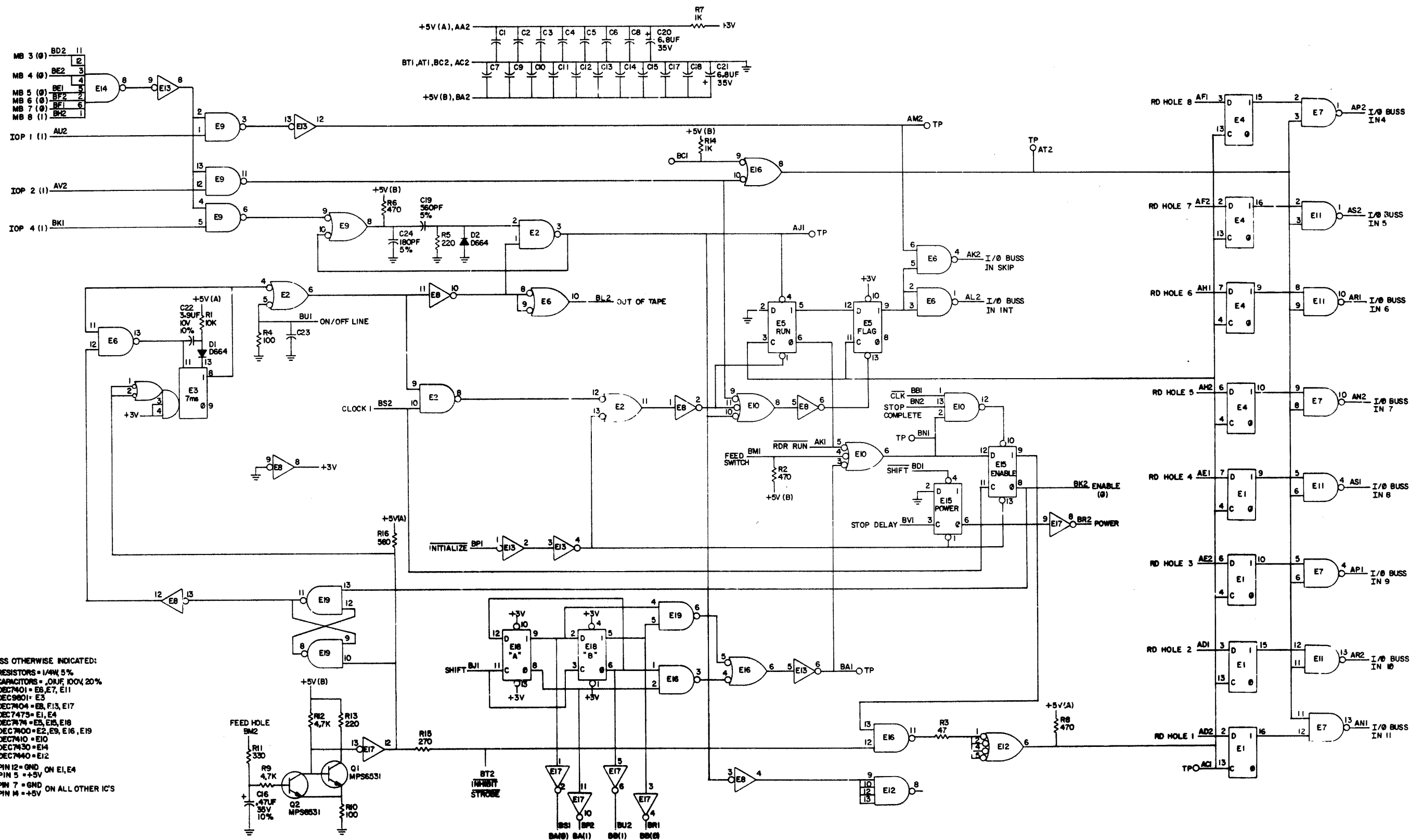
QTY.	REF DESIGNATION	DESCRIPTION	PART NO.
1	REF 1	IC 7410	1905577
1	REF 2	IC 7410	1905577
1	REF 3	IC 7410	1905577
1	REF 4	IC 7410	1905577
1	REF 5	IC 7410	1905577
1	REF 6	IC 7410	1905577
1	REF 7	IC 7410	1905577
1	REF 8	IC 7410	1905577
1	REF 9	IC 7410	1905577
1	REF 10	IC 7410	1905577
1	REF 11	IC 7410	1905577
1	REF 12	IC 7410	1905577
1	REF 13	IC 7410	1905577
1	REF 14	IC 7410	1905577
1	REF 15	IC 7410	1905577
1	REF 16	IC 7410	1905577
1	REF 17	IC 7410	1905577
1	REF 18	IC 7410	1905577
1	REF 19	IC 7410	1905577
1	REF 20	IC 7410	1905577
1	REF 21	IC 7410	1905577
1	REF 22	IC 7410	1905577
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1	REF 100	IC 7410	1905577

[illegible]



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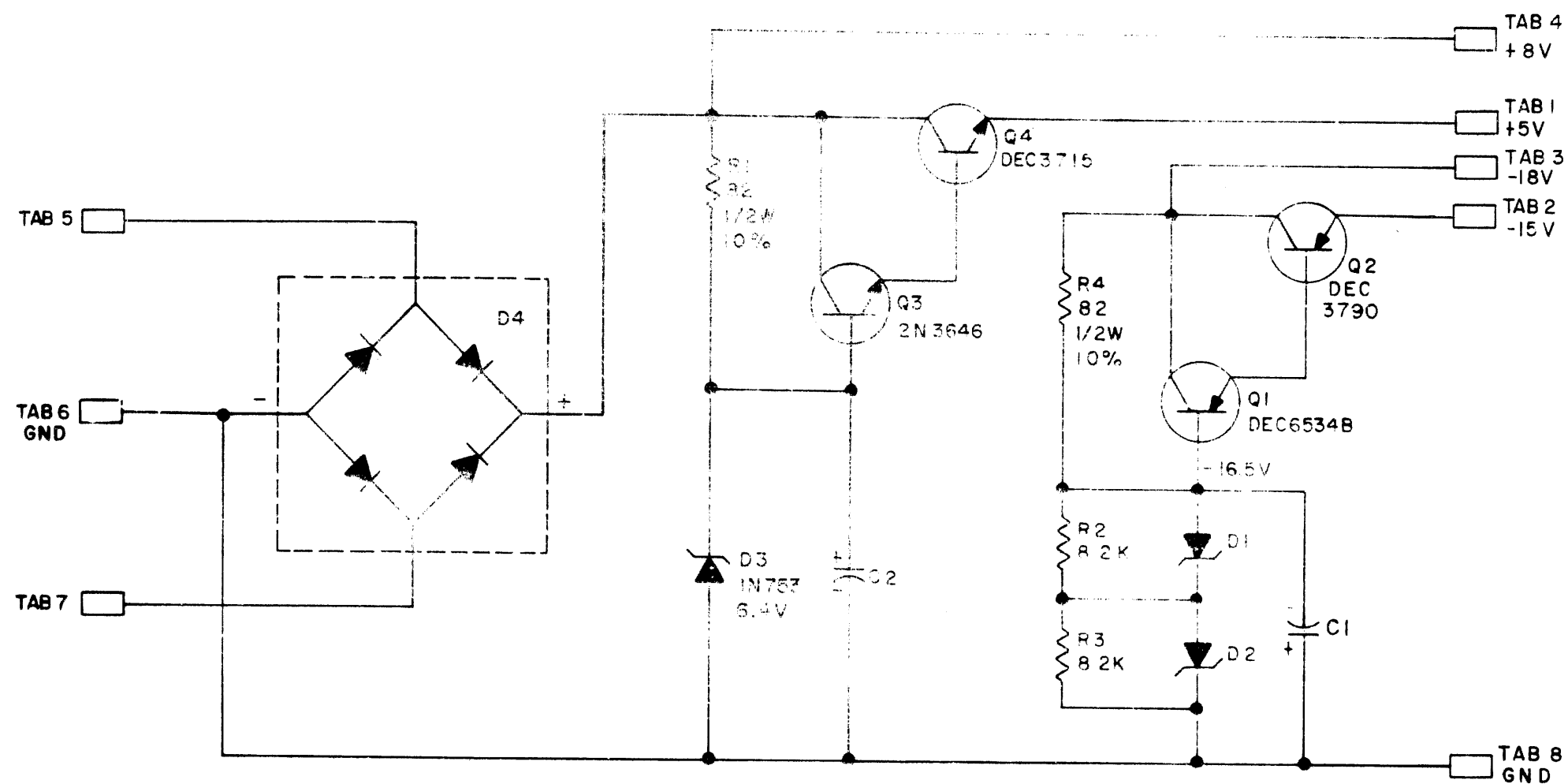
1-0-0902 W 53 0 1005 1/15



REV C
NUMBER M7050-0-1
SIZE (X) D L S

TRANSISTOR & DIODE CONVERSION CHART				READER CONTROL			
DEC	GM	DEC	GM	REV	DATE	REV	DATE
1	2	3	4	5	6	7	8
9	10	11	12	13	14	15	16
17	18	19	20	21	22	23	24
25	26	27	28	29	30	31	32
33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48
49	50	51	52	53	54	55	56
57	58	59	60	61	62	63	64
65	66	67	68	69	70	71	72
73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88
89	90	91	92	93	94	95	96
97	98	99	100	101	102	103	104
105	106	107	108	109	110	111	112
113	114	115	116	117	118	119	120
121	122	123	124	125	126	127	128
129	130	131	132	133	134	135	136
137	138	139	140	141	142	143	144
145	146	147	148	149	150	151	152
153	154	155	156	157	158	159	160
161	162	163	164	165	166	167	168
169	170	171	172	173	174	175	176
177	178	179	180	181	182	183	184
185	186	187	188	189	190	191	192
193	194	195	196	197	198	199	200

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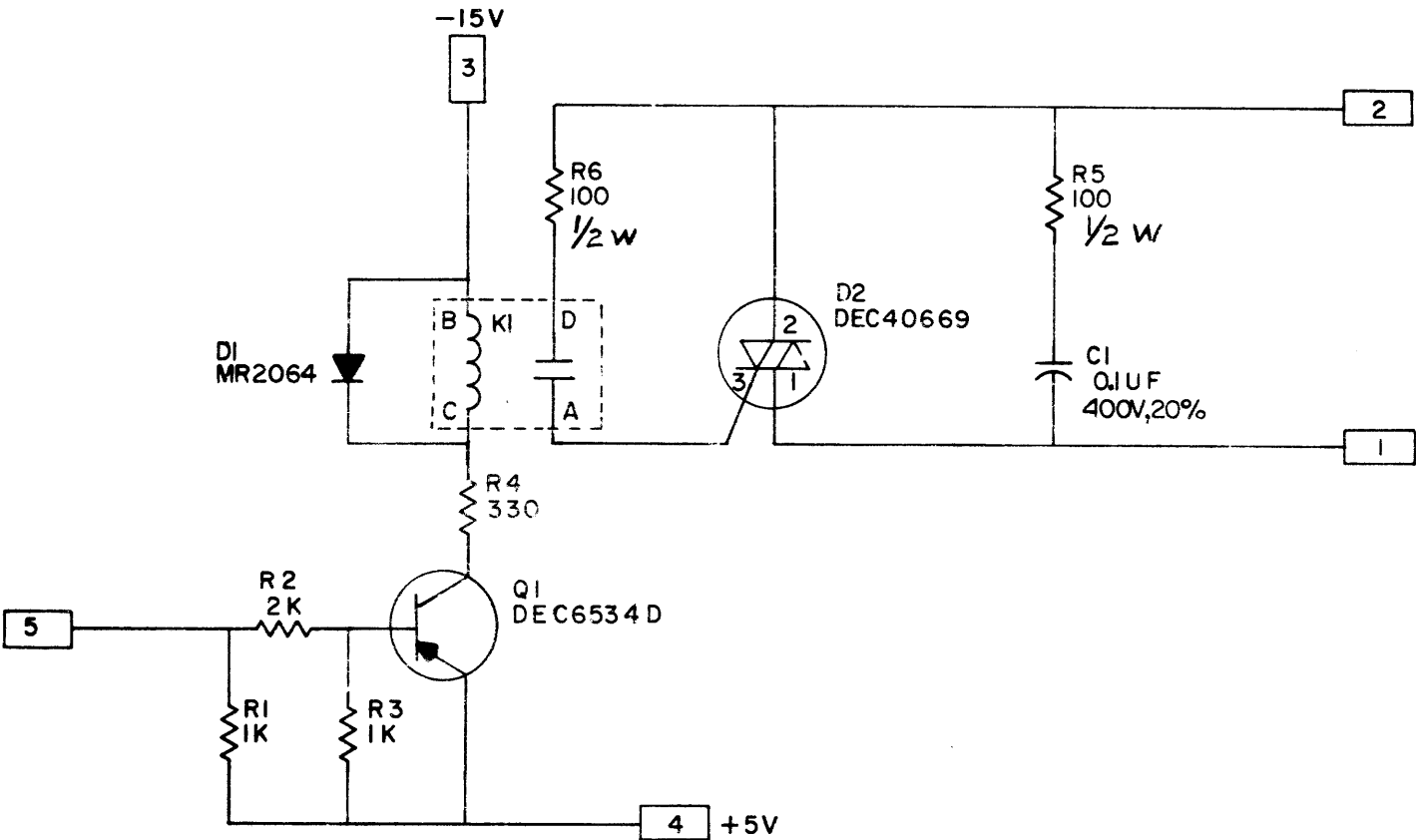


UNLESS OTHERWISE INDICATED:
CAPACITORS ARE 6.8 MFD 35V 20%
DIODES ARE IN756A, 8.2V
D4 IS MDA960-3
RESISTORS ARE 1/4W 5%
TABS ARE AMP 41290

REVISIONS				DRN.		DATE		TRANSISTOR & DIODE CONVERSION CHART				digital		TITLE			
CHK	CHG	NO.	REV.	CHK'D	DATE	CHK'D	DATE	DEC	EIA	DEC	EIA	SIZE	CODE	NUMBER	REV.		
		00001	A					IN753	SAME	2N3646	2N3009	B	CS	5408308-0-1	C		
		00002	B					IN756A	SAME								
		00003	C					DEC3790	2N3790								
								DEC6534B	MPS 6534								
								DEC3715	NONE								
				ENG	DATE					EQUIPMENT CORPORATION							
				PROD.	DATE					MAYNARD, MASSACHUSETTS							
												PRINTED CIRCUIT REV					

DEC FORM NO. 208 102

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

REVISIONS CHK CHG NO. REV REV 1/1 00001 B		DRN. M. HALLER DATE 6-20-69	DATE 6-24-69 CHK'D T.A. NALETTE DATE 11-19-69 ENG. G. BECKNER DATE PROD.	TRANSISTOR & DIODE CONVERSION CHART <table border="1"> <tr> <th>DEC</th> <th>EIA</th> <th>DEC</th> <th>EIA</th> </tr> <tr> <td></td> <td></td> <td>DEC6534D</td> <td>MPS6534</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> </tr> </table>				DEC	EIA	DEC	EIA			DEC6534D	MPS6534													digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS		TITLE TRIAC SW ASSY (PC05)	
DEC	EIA	DEC	EIA																												
		DEC6534D	MPS6534																												
SIZE B CODE CS NUMBER 5408384-0-1		REV. B		PRINTED CIRCUIT REV B																											