

**PC04/PC05
paper tape
reader/punch
engineering drawings**

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

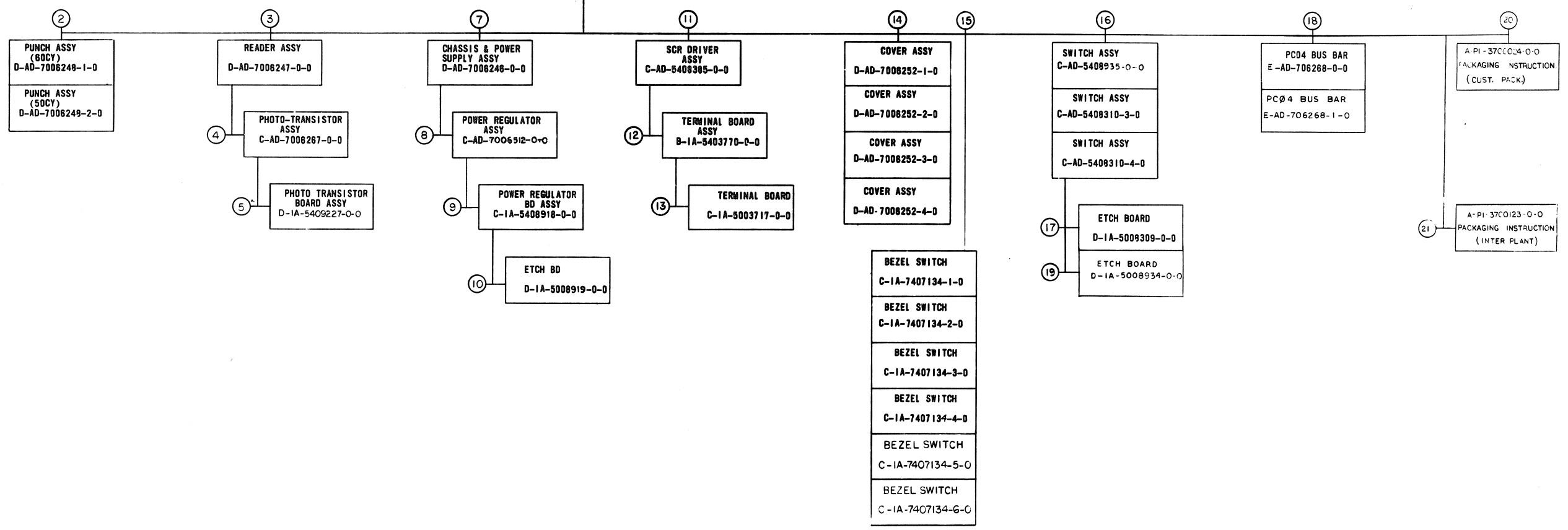
PC04/PC05 Circuit Schematics

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-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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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

MODEL	DESCRIPTION	CY.	COMPOSITION																	
			FIND NUMBER																	
			2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
PC04-B, BB & BL	PUNCH & READER	80	-1	X	X	X		X	X	X	X				-1	-1	-4	X	X	
PC04-BA, BC & BM	PUNCH & READER	90	-2	X	X	X		X	X	X	X				-1	-1	-4	X	X	
PC04-C	PUNCH, READER, DRIVER	80	-1	X	X	X		X	X	X	X	X	X	X	-4	-4	-3	X	X	
PC04-CA	PUNCH READER DRIVER	50	-2	X	X	X		X	X	X	X	X	X	X	-4	-4	-3	X	X	
PC04-P & PL	PUNCH	80	-1					X	X	X	X				-2	-2	-2	X	X	
PC04-PA & PM	PUNCH	50	-2					X	X	X	X				-2	-2	-2	X	X	
PC04-R & RB	READER			X	X	X		X	X	X	X				-3	-3	-0		X	X



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

REV.	CHG. NO.	BY	DATE	DESCRIPTION
1	PC04-00006	A	10/1/67	T. Quillen 7-7-67
2	PC04-00009	B	10/1/67	T. Quillen 10-9-67
3	PC04-00011	C	10/1/67	T. Quillen 10-9-67
4	PC04-00013	D	10/1/67	T. Quillen 10-9-67
5	PC04-00019	H	11-1-67	T. Quillen 11-1-67
6	PC04-00032	M	11-1-67	T. Quillen 11-1-67
7	PC04-00036	N	11-1-67	T. Quillen 11-1-67
8	PC04-00041	P	11-1-67	T. Quillen 11-1-67
9	PC04-00044	R	11-1-67	T. Quillen 11-1-67
10	PC04-00045	S	11-1-67	T. Quillen 11-1-67
11	PC04-00051	T	11-1-67	T. Quillen 11-1-67
12	PC04-00054	V	11-1-67	T. Quillen 11-1-67

FIRST USED ON OPTION / MODEL PC04	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
--------------------------------------	--

QTY.	DESCRIPTION	PART NO.	ITEM NO.
PARTS LIST			
1	DRN	DATE 6/1/69	digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS
1	CHK'D	DATE 6/1/69	
1	APP'D	DATE 6/1/69	
1	PROJ. ENG.	DATE 6/1/69	
TITLE DRAWING INDEX LIST, PC04		NEXT HIGHER ASSY A-ML-PC04	
SCALE		SIZE CODE D DI	
SHEET 1 OF 2		NUMBER PC04-0-1	
DIST. G		REV. Z	

SIZE CODE
 D DI
 NUMBER
 PC04-0-1
 REV. Z

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2
DIDI PC04-0-1

MECHANICAL				ELECTRICAL			
FIND NO	DESCRIPTION	PART NO	DEPT USAGE	FIND NO	DESCRIPTION	PART NO	DEPT USAGE
1	PC04- READER & PUNCH	D-UA-PC04-0-0		18	SWITCH ASSY	C-AD-5408310-0-0	
2	PC04- PA PUNCH	A-PL-PC04-0-0		17	PC0 SWITCH BOARD	D-AD-5009309-0-0	
3	READER ASSY	D-AD-7008247-0-0		19	PR SWITCH BOARD	D-IA-5008934-0-0	
	READER ASSY (PL)	A-PL-7008247-0-0		18	PC04 BUS BAR	E-AD-7008288-0-0	
	TAPE PATH GUIDE	D-MD-7407078-0-0		20	PACKAGING INSTRUCTION	A-PI-3700024-0-0	
	READER PLATE	D-MD-7407085-0-0			OUTER SHIPPING CARTON	A-PS-9905046-0-0	
	BLOCK READER	B-MD-7407118-0-0			INNER SHIPPING CARTON	A-PS-9905047-0-0	
	SHAFT READER PLATE	B-MD-7407120-0-0			BOTTOM PAD	A-PS-9905053-0-0	
	ARM SPRING	B-MD-7407118-0-0			FRONT SPACER	A-PS-9905054-0-0	
	SPRING BULB	A-MD-7407118-0-0			SIDE SPACER	A-PS-9905055-0-0	
	DEPRESSOR TAPE	C-MD-7407121-0-0			REAR SUPPORT	A-PS-9905056-0-0	
	BRKT TAPE HOLD DOWN	C-MD-7407144-0-0			TOP SPACER	A-PS-9905044-1-0	
	SLO SYN MOTOR REWORK	B-IA-7407684-0-0			TORO PAD	A-PS-9905044-1-0	
	SHIM	B-MD-7407800-0-0			POLY BAG	A-PS-9905129-7-0	
	LENS	B-MD-7404989-0-0		21	PACKAGING INSTRUCTION	A-PI-3700123-0-0	
					TAPELESS CARTON	A-PS-9905348-00-0	
					SPECIAL DIE CUT	A-PS-9905348-01-0	
					ONE PIECE FOLDER	A-PS-9905348-02-0	
					QUAD MODUAL BOOK PACK	A-PS-9905072-0-0	
					POLY BAG	A-PS-9905129-7-0	

REV	DATE	BY	CHK
1	10/15/77	J. Williams	
2	11/15/77	J. Williams	
3	12/15/77	J. Williams	
4	1/15/78	J. Williams	
5	2/15/78	J. Williams	
6	3/15/78	J. Williams	
7	4/15/78	J. Williams	
8	5/15/78	J. Williams	
9	6/15/78	J. Williams	
10	7/15/78	J. Williams	

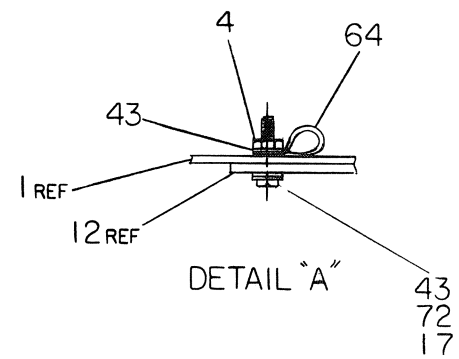
FIRST USED ON OPTION/MODEL PC04	QTY.	DESCRIPTION	PART NO.	ITEM NO.
PARTS LIST				
UNLESS OTHERWISE SPECIFIED				
DRN C. Marrett	DATE 6/6/69	digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS		
CHK'D C. Marrett	DATE 6/6/69	TITLE DRAWING INDEX LIST PC04		
DIMENSION IN INCHES TOLERANCES DECIMALS FRACTIONS ANGLES ± .008 ± 1/64 ± 0°30'				
FINAL SURFACE QUALITY REMOVE BURRS AND BREAK SHARP CORNERS				
MATERIAL + + +	NEXT HIGHER ASSY AML PC04	SCALE + + +		
FINISH + + +	SCALE 2 OF 2	DISTRIBUTION CODE DIDI PC04-0-1		
REV J. Z.				

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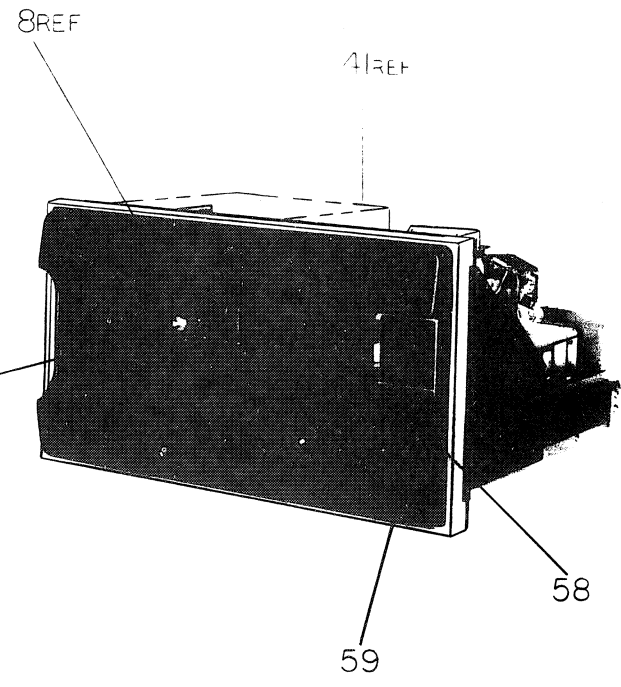
0-0-000/UA/PC04-0 2 1

LEGEND		
MODEL	VARIATION	
	CY	COMPOSITION
PC04 - B, BA, BL	50	READER & PUNCH
PC04 - BA, BC, BM	50	READER & PUNCH
PC04 - C, CL	60	READER, PUNCH & SCR
PC04 - CA, CM	50	READER, PUNCH & SCR
PC04 - PA, PL	60	PUNCH
PC04 - PA & PM	50	PUNCH
PC04 - RA, RB	50/60	READER

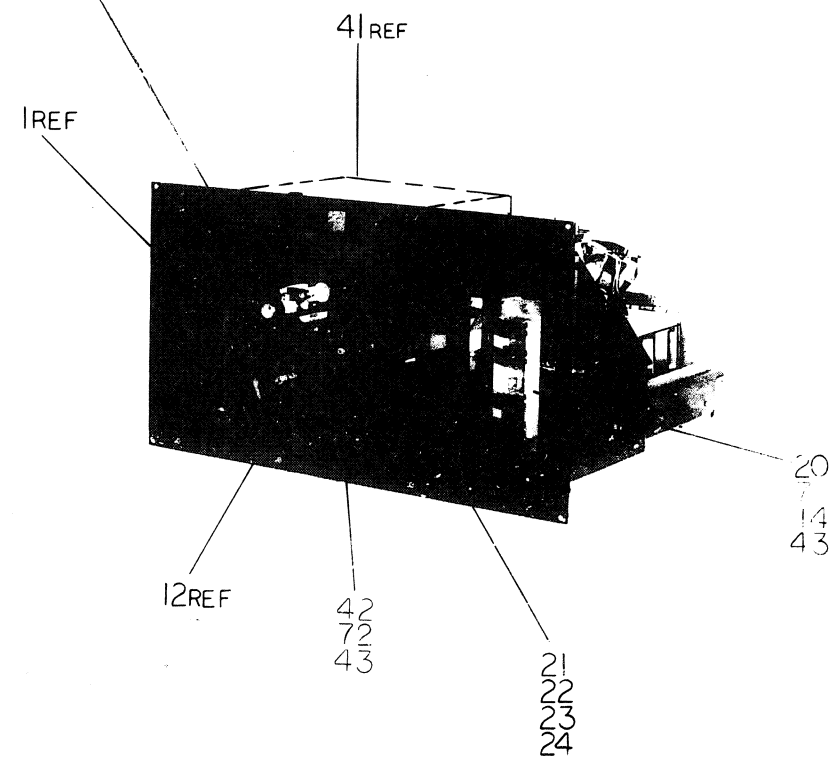
- NOTES:**
1. WIRING OF SWITCHES VARIES DEPENDING ON UNIT MODEL BEING BUILT FOR SWITCH CONFIGURATION, FOR WIRING PURPOSES SEE DETAIL A FOR MODELS B, BA, BC, CL, CM, DETAIL B FOR MODEL PA, DETAIL C FOR MODEL PA, RB AND DETAIL D FOR MODEL CA AND CL. 50/60 CY HAS NO EFFECT.
 2. IF THE SCR DRIVER UNIT IS USED THIS WIRE WILL CONNECT TO SCR DRIVER T1, NOT T5-6. FOR CORRECT WIRING WHEN UNIT IS USED, SEE SCR DRIVER WIRE LIST (SHEET 3)
 3. PLACE CABLE IN POSITION. INSTALL CLAMP 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) RECD.
 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.
 8. PC04-CA & CL ONLY.
 9. FOR ALL PC04'S EXCEPT CA & CL.
 10. ATTACH POWER INTERLOCK TO REAR OF STATIONARY SECTION OF CHASSIS TRACK. INSERT THE CORD FROM THE POWER INTERLOCK INTO THE JACK ON THE REAR OF THE PC04 (PI). SYSTEM POWER SHALL BE SUPPLIED TO POWER INTERLOCK.



SEE DETAIL A

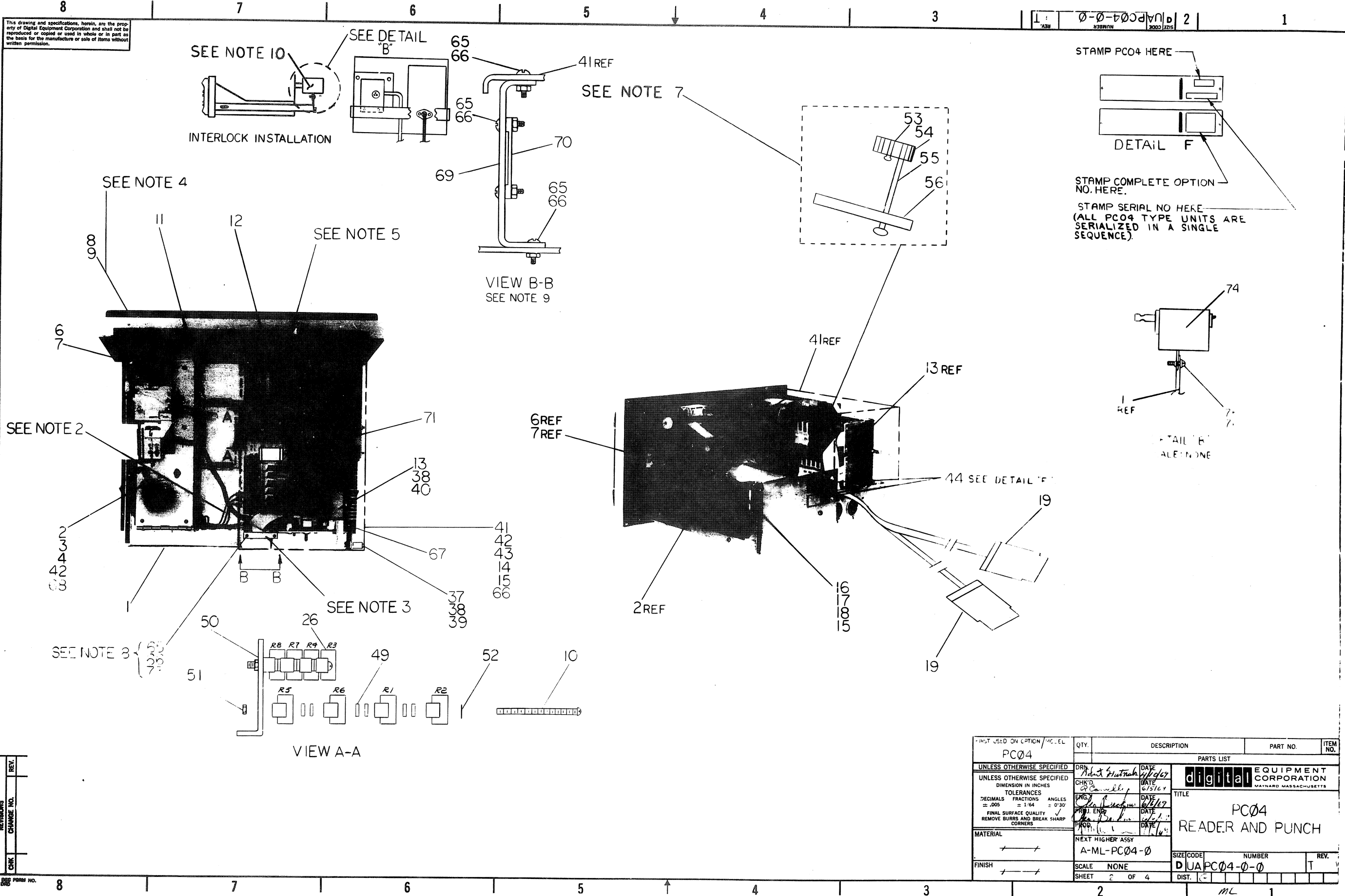


SEE NOTE 4



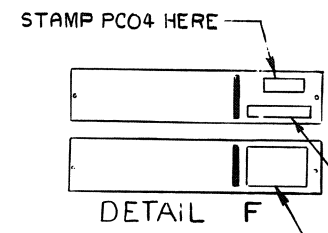
REV.	CHANGE NO.	DATE	BY	CHKD.	DATE
A	00006	7-1-69	T. Beckner	T. Beckner	7-1-69
B	00011	7-1-69	T. Beckner	T. Beckner	7-1-69
C	00017	7-1-69	T. Beckner	T. Beckner	7-1-69
D	00021	7-1-69	T. Beckner	T. Beckner	7-1-69
E	00022	7-1-69	T. Beckner	T. Beckner	7-1-69
F	00025	7-1-69	T. Beckner	T. Beckner	7-1-69
G	00027	7-1-69	T. Beckner	T. Beckner	7-1-69
H	00027	7-1-69	T. Beckner	T. Beckner	7-1-69
I	00036	7-1-69	T. Beckner	T. Beckner	7-1-69
J	00036	7-1-69	T. Beckner	T. Beckner	7-1-69
K	00041	7-1-69	T. Beckner	T. Beckner	7-1-69
L	00046	7-1-69	T. Beckner	T. Beckner	7-1-69
M	00053	7-1-69	T. Beckner	T. Beckner	7-1-69
N	00057	7-1-69	T. Beckner	T. Beckner	7-1-69
O	00061	7-1-69	T. Beckner	T. Beckner	7-1-69
P	00059	7-1-69	T. Beckner	T. Beckner	7-1-69
Q	00060	7-1-69	T. Beckner	T. Beckner	7-1-69
R	00061	7-1-69	T. Beckner	T. Beckner	7-1-69
S	00061	7-1-69	T. Beckner	T. Beckner	7-1-69
T	00062	7-1-69	T. Beckner	T. Beckner	7-1-69
U	00062	7-1-69	T. Beckner	T. Beckner	7-1-69
V	00062	7-1-69	T. Beckner	T. Beckner	7-1-69

FIRST USED ON OPTION / MODEL	QTY.	DESCRIPTION	PART NO.	ITEM NO.
PC04				
UNLESS OTHERWISE SPECIFIED				
DIMENSION IN INCHES				
TOLERANCES				
DECIMALS FRACTIONS ANGLES				
±.005 ± 1/64 ± 0°30'				
FINAL SURFACE QUALITY REMOVE BURRS AND BREAK SHARP CORNERS				
MATERIAL				
FINISH				
NEXT HIGHER ASSY				
SCALE				
SHEET 1 OF 4				
TITLE				
PC04				
READER AND PUNCH				
SIZE CODE				
NUMBER				
REV. T				



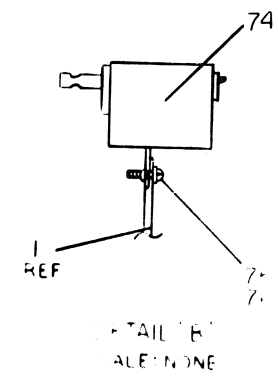
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1 0-0-0001 2 1



STAMP COMPLETE OPTION NO. HERE.

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

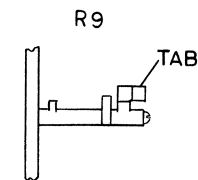
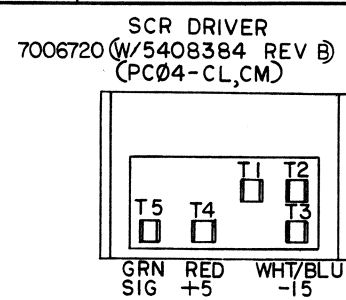
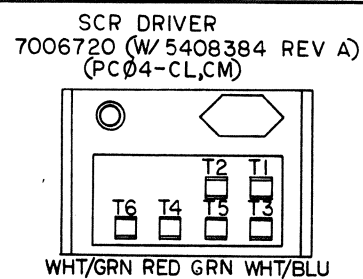
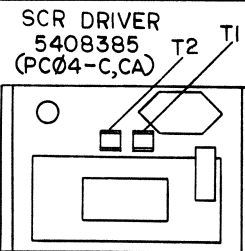
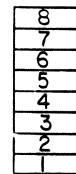


QTY.	DESCRIPTION	PART NO.	ITEM NO.
	PARTS LIST		
PC04			
UNLESS OTHERWISE SPECIFIED		DATE	
DRN <i>Robert Hutnag</i>		6/1/64	
UNLESS OTHERWISE SPECIFIED		DATE	
CHK'D <i>A. Campbell</i>		6/5/64	
DIMENSION IN INCHES		DATE	
TOLERANCES		DATE	
DECIMALS FRACTIONS ANGLES	ENG. <i>John P. ...</i>	6/1/64	
± .005 ± 1/64 ± 0'30"	PRJ. ENGR. <i>John P. ...</i>	DATE	
FINAL SURFACE QUALITY		DATE	
REMOVE BURRS AND BREAK SHARP CORNERS		DATE	
MATERIAL		NEXT HIGHER ASSY	
A-ML-PC04-0		SIZE CODE	NUMBER
FINISH		SCALE NONE	REV.
SHEET 2 OF 4		DIST. <i>ML</i>	

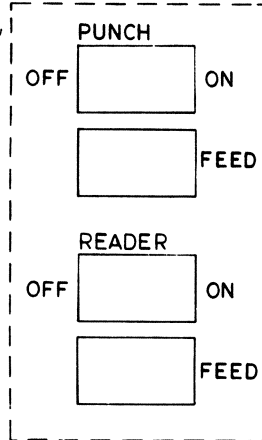
REV.	CHANGE NO.	REVISIONS

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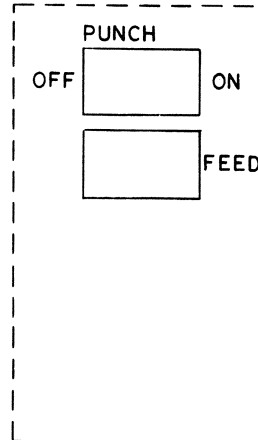
TS
(TOP VIEW)



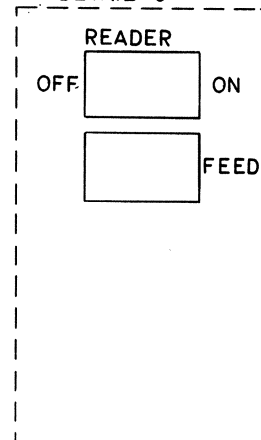
PC04-B,BA,BB,BC,BL,BM
5408310-4
DETAIL "A"



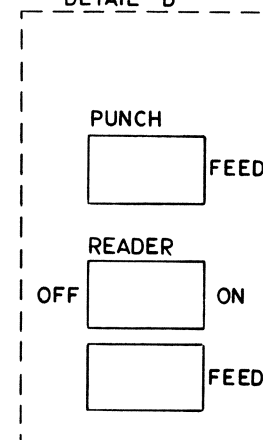
PC04-P,PA,PL,PM
5408935-0
DETAIL "B"



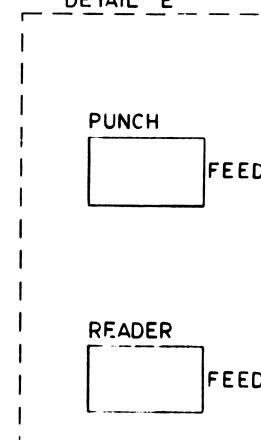
PC04-R,RB,RL
5408935-0
DETAIL "C"



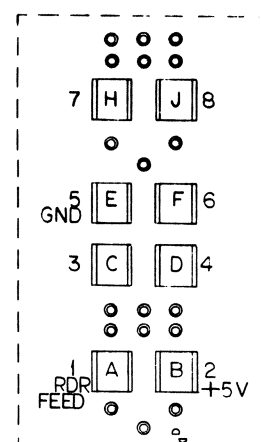
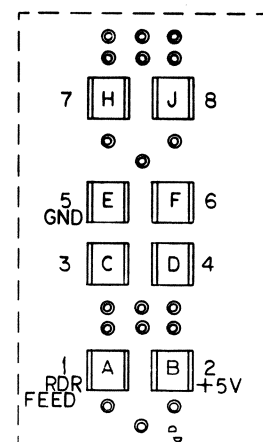
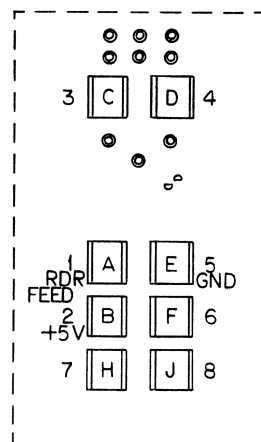
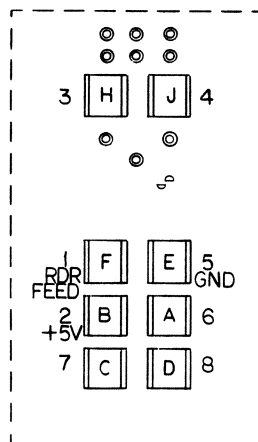
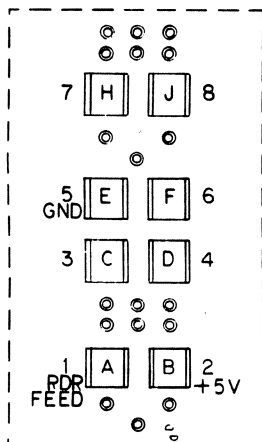
PC04-C,CA
5408310-3
DETAIL "D"



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



REAR VIEW



REVISIONS
CHANGE NO. REV.
CHK

DEC FORM NO. ORD 100-A

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		
DECIMALS .XXX - .005 .XX - .02 X - .1	CHK'D R. CARVELLI	DATE 6-5-69		
ANGLES ±0° 30'	ENG. G. BECKNER	DATE 6-6-69		
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY	PROJ. ENG. G. BECKNER	DATE 6-6-69		
MATERIAL	PROD. B. ANTONUCCIO	DATE 6-6-69	TITLE PC04 READER & PUNCH (SW & TERM LOCATIONS.)	
FINISH	A-ML-PC04-0	SIZE CODE	NUMBER	REV.
	SCALE	DUA	PC04-0-0	T
	SHEET 3 OF 4	DIST.		

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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	A Ø 7B	
WHT/GRN #22	SCR LEAD	B Ø 1B	

**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	A Ø 7B	
WHT/GRN #22	SCR LEAD	A Ø 7C	NOT USED ON 5408385 REV B
RED #22	SCR LEAD	A Ø 7A	
GRN #22	SCR LEAD	B Ø 1F	

PUNCH CONNECTIONS

COLOR	WIRE	CONNECTION	REMARKS
WHT #22	PUNCH CAP	TS - 7	

PLUG PUNCH DATA CABLE (WØ23)
INTO SLOT BØ2

CONNECTIONS IF NO READER

COLOR/AWG	WIRE	CONNECTION	REMARKS
GRY/RED #18	*7	-	SLEEVE WITH ITEM # 45 & TIE 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	
BLK #18	38 39	CI - (-) LAMP "B"	

PLUG READER PHOTOCELL CABLE
(WØTT) INTO SLOT BØB

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	-	BØ6R	-
33	VIO #22	R2	-	BØ6S	-
34	YEL #22	R3	-	BØ5R	-
34	YEL #22	R4	-	BØ5S	-
35	ORN #22	R5	-	BØ4R	-
35	ORN #22	R6	-	BØ4S	-
36	BRN #22	R7	-	BØ3R	-
36	BRN #22	R8	-	BØ3S	-

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

COMMON CONNECTIONS

COLOR/AWG	WIRE	CONNECTION	REMARK
BLK #18	*27	GND LUG	LOGIC GND
GRY/YEL #18	*29	A Ø 8B	-15V
BLU #18	*31	B Ø 2D	-3ØV
BLK #18	*28	GND LUG	LOGIC GND
GRY/RED #18	*30	A Ø 8A	+5V
GRN #18	*32	B Ø 6V	-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	A Ø 1V	
WHT/BLK #22	*12	B Ø 7A	+5V
WHT/YEL #22	*13	A Ø 8F	
BLK #22	*15	B Ø 8C	
WHT #22	*16	B Ø 2U	

CONNECTION ON 7006268-Ø
LOGIC BLOCK (PCØ4-B, -BA, -BB, BC,
-C, -CA, -P, -PA, -R -RB)

COLOR/AWG	WIRE	CONNECTION
BRN #22	*14	A Ø 2B

CONNECTION ON 7006268-1
AND -2 LOGIC BLOCK
(PCØ4-BL, -BM, -CL, -CM, -PL, -PM, -RL)

COLOR/AWG	WIRE	CONNECTION
BRN #22	*14	A Ø 1B

NOTE: SEE SHEET 3 FOR TERMINAL
IDENTIFICATION DIAGRAMS.

FIRST USED ON OPTION/MODEL PCØ4-Ø	QTY.	DESCRIPTION	PART NO.	ITEM NO.
PARTS LIST				
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES TOLERANCES	DRN. B. HUTN+K	DATE 4-10-69	digital EQUIPMENT CORPORATION MAYNARD MASSACHUSETTS	
DECIMALS .005 ANGLES ±0°30'	CHK'D R. CARVELLI	DATE 6-5-69	TITLE PCØ4 READER & PUNCH (WIRING)	
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY ✓	ENG. GEO. BECKNER	DATE 6-6-69	SIZE CODE A-ML-PCØ4	
MATERIAL FINISH	PROJ. ENG. GEO. BECKNER	DATE 6-6-69	NUMBER DUA PCØ4-Ø-Ø	
	PROD. B. ANTONUCCIO	DATE 6-6-69	REV. 7	
	NEXT HIGHER ASSY.	SCALE	SHEET 4 OF 4	

REVISIONS
CHANGE NO.
CHK

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ITEM NO.	DWG. NO. / PART NO.	DESCRIPTION	QUANTITY/VARIATION													
			PC04-B-BB	PC04-BA-BC	PC04-BL	PC04-BN	PC04-C	PC04-CA	PC04-CL	PC04-CH	PC04-P	PC04-PA	PC04-PL	PC04-PM	PC04-R-RL	PC04-RL
1	D-AD-7006246-0-0	CHASSIS AND POWER SUPPLY ASSY	1	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	-
2	D-AD-7006248-2-0	PUNCH ASSY (50 HZ)	-	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	6
4	9006560	NUT, KEPS 6-32 X 5/16 X 5/32	3	3	3	3	3	3	3	3	3	2	2	2	2	1
5	9006070-1	SCR, PHL PAN HD 10-32 X 5/16 LG SST	2	2	2	2	2	2	2	2	2	2	2	2	2	2
6	1100106	THYRISTOR GRS20SP4B4	1	1	1	1	-	-	-	-	1	1	1	1	-	-
7	9107278-3	18 AWG TEF TUBING RED	A/RB/RA/RA/R	A/RB/RA/RA/R	A/RB/RA/RA/R	A/RB/RA/RA/R	A/RB/RA/RA/R	A/RB/RA/RA/R	A/RB/RA/RA/R	A/RB/RA/RA/R	A/RB/RA/RA/R	A/RB/RA/RA/R	A/RB/RA/RA/R	A/RB/RA/RA/R	A/RB/RA/RA/R	A/RB/RA/RA/R
8	D-AD-7006252-1-0	COVER ASSY (PUNCH & READER)	1	1	1	1	-	-	-	-	-	-	-	-	-	-
8	D-AD-7006252-2-0	COVER ASSY (PUNCH)	-	-	-	-	-	-	-	1	1	1	1	-	-	-
8	D-AD-7006252-3-0	COVER ASSY (READER)	-	-	-	-	-	-	-	-	-	-	-	1	1	-
8	D-AD-7006252-4-0	COVER ASSY (PUNCH, READER & SCR)	-	-	-	-	1	1	-	-	-	-	-	-	-	-
8	D-AD-7006252-6-0	COVER ASSY (READER, PUNCH & SCR)	-	-	-	-	-	1	1	-	-	-	-	-	-	-
9	9006042-2	SCR, PHL FLAT HD 8-32 X 1 LG SST	4	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
11	C-MD-745300-0-0	CHAD BOX	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
13	E-AD-7006268-0-0	WIRED ASSY, PC04	1	1	-	-	1	1	-	-	1	1	-	-	1	-
13	E-AD-7006268-1-0	WIRED ASSY, PC04	-	-	1	1	-	-	-	-	-	1	1	-	1	-
13	E-AD-7006268-2-0	WIRED ASSY, PC04	-	-	-	-	-	-	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	3
15	9006633	WASHER, INT TOOTH #6	-	-	-	-	2	2	2	2	-	-	-	-	-	-
16	C-AD-5408385-0-0	SCR DRIVER ASSY	-	-	-	-	1	1	-	-	-	-	-	-	-	-
16	C-AD-7006520-0-0	SCR DRIVER ASSY	-	-	-	-	-	1	1	-	-	-	-	-	-	-
17	9006026-1	SCR, PHL PAN HD 6-32 X 3/4 LG SST	1	1	1	1	3	3	3	3	-	-	-	-	1	1
18	9006801	HEX SPACER, 1/4" X 3/8 LG #6 HOLE	-	-	-	-	2	2	2	2	-	-	-	-	-	-
19	C-IA-7006281-0-0	I/O CABLE, PC04 (W033 TO W077)	2	2	-	-	2	2	-	-	1	1	-	-	1	1
19	D-IA-7407067-1-0	CABLE CONNECTOR M926 TO W033 S	-	-	1	1	-	-	-	-	-	-	-	-	-	-
19	D-IA-7006145-1-0	CABLE CONN (PUNCH) M926 TO W033	-	-	-	-	-	-	-	-	-	-	1	1	-	-
19	D-IA-7407067-3-0	CABLE CONNECTOR M926 TO W033 S	-	-	-	-	-	-	1	1	-	-	-	-	-	-
20	C-AD-5408310-4-0	SWITCH ASSY	1	1	1	1	-	-	-	-	-	-	-	-	-	-
20	C-AD-5408935-0-0	SWITCH ASSY	-	-	-	-	-	-	-	1	1	1	1	1	1	1
20	C-AD-5408310-3-0	SWITCH ASSY	-	-	-	-	1	1	-	-	-	-	-	-	-	-
20	C-AD-5408310-5-0	SWITCH ASSY	-	-	-	-	-	1	1	-	-	-	-	-	-	-
21	D-MD-7407131-0-0	TAPE CONTAINER	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	-	-
23	9006556	NUT, HEX 4-40 X 1/4 X 1/16 SST	2	2	2	2	2	2	2	2	2	2	2	2	-	-
24	9006632	WASHER, INT TOOTH #4	2	2	2	2	2	2	2	2	2	2	2	2	-	-
25	9006635	WASHER, INT TOOTH #10	2	2	2	2	2	2	2	2	2	2	2	2	2	2
26	1309896	RES, 25 OHM ±5% 40 W	8	8	8	8	8	8	8	8	-	-	-	-	8	8
27	9107360-10	10 AWG BRD TYPON WHT	A/RA/RA/RA/R	A/RA/RA/RA/R	A/RA/RA/RA/R	A/RA/RA/RA/R	A/RA/RA/RA/R	A/RA/RA/RA/R	A/RA/RA/RA/R	A/RA/RA/RA/R	A/RA/RA/RA/R	A/RA/RA/RA/R	A/RA/RA/RA/R	A/RA/RA/RA/R	A/RA/RA/RA/R	A/RA/RA/RA/R
28	9007917	SOLDERLESS CONN 18-22 AWG .250 TAB	4	4	4	4	4	4	4	4	-	-	-	-	4	4
29	9107400-97	WIRE, 22 AWG STRD TEFLON WHT/VIO TRACER	A/RA/RA/RA/R	A/RA/RA/RA/R	A/RA/RA/RA/R	A/RA/RA/RA/R	A/RA/RA/RA/R	A/RA/RA/RA/R	A/RA/RA/RA/R	A/RA/RA/RA/R	A/RA/RA/RA/R	A/RA/RA/RA/R	A/RA/RA/RA/R	A/RA/RA/RA/R	A/RA/RA/RA/R	A/RA/RA/RA/R

REV. M	CHANGE NO. 00053	PC04-00053
REV. N	REVISED REDRAWN	PC04-00057
REV. O	REVISED REDRAWN	PC04-00061
REV. P	REVISED REDRAWN	PC04-00062
REV. Q	REVISED REDRAWN	PC04-00063
REV. R	REVISED REDRAWN	PC04-00064
REV. S	REVISED REDRAWN	PC04-00065
REV. T	REVISED REDRAWN	PC04-00066
REV. U	REVISED REDRAWN	PC04-00067
REV. V	REVISED REDRAWN	PC04-00068
REV. W	REVISED REDRAWN	PC04-00069
REV. X	REVISED REDRAWN	PC04-00070
REV. Y	REVISED REDRAWN	PC04-00071
REV. Z	REVISED REDRAWN	PC04-00072
REV. AA	REVISED REDRAWN	PC04-00073
REV. AB	REVISED REDRAWN	PC04-00074
REV. AC	REVISED REDRAWN	PC04-00075
REV. AD	REVISED REDRAWN	PC04-00076
REV. AE	REVISED REDRAWN	PC04-00077
REV. AF	REVISED REDRAWN	PC04-00078
REV. AG	REVISED REDRAWN	PC04-00079
REV. AH	REVISED REDRAWN	PC04-00080
REV. AI	REVISED REDRAWN	PC04-00081
REV. AJ	REVISED REDRAWN	PC04-00082
REV. AK	REVISED REDRAWN	PC04-00083
REV. AL	REVISED REDRAWN	PC04-00084
REV. AM	REVISED REDRAWN	PC04-00085
REV. AN	REVISED REDRAWN	PC04-00086
REV. AO	REVISED REDRAWN	PC04-00087
REV. AP	REVISED REDRAWN	PC04-00088
REV. AQ	REVISED REDRAWN	PC04-00089
REV. AR	REVISED REDRAWN	PC04-00090
REV. AS	REVISED REDRAWN	PC04-00091
REV. AT	REVISED REDRAWN	PC04-00092
REV. AU	REVISED REDRAWN	PC04-00093
REV. AV	REVISED REDRAWN	PC04-00094
REV. AW	REVISED REDRAWN	PC04-00095
REV. AX	REVISED REDRAWN	PC04-00096
REV. AY	REVISED REDRAWN	PC04-00097
REV. AZ	REVISED REDRAWN	PC04-00098
REV. BA	REVISED REDRAWN	PC04-00099
REV. BB	REVISED REDRAWN	PC04-00100

PC04 (ALL)

UNLESS OTHERWISE SPECIFIED	DRN. R. HUTNAK	DATE 4-10-69
UNLESS OTHERWISE SPECIFIED	CHK'D. R. CARVELLI	DATE 6-5-69
DIMENSION IN INCHES	ENG. GEO. BECKNER	DATE 6-6-69
TOLERANCES	PROJ. ENG. GEO. BECKNER	DATE 6-6-69
DECIMALS ± .005	PROD. R. ANTONUCCIO	DATE 6-6-69
FRACTIONS ± 1/64		
ANGLES ± 0°30'		
FINAL SURFACE QUALITY REMOVE BURRS AND BREAK SHARP CORNERS		
MATERIAL	NEXT HIGHER ASSY.	
FINISH	D-UA-FC04-0-0	
	SCALE 1 OF 3	
	SHEET 1 OF 3	

digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS	
TITLE	PC04 READER AND PUNCH
SIZE CODE	CPL PC04-0-0
NUMBER	
REV.	T
DIST.	

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ITEM NO.	DWG. NO./PART NO.	DESCRIPTION	PCØ4															
			PCØ4-BL	PCØ4-BA	PCØ4-BL	PCØ4-BM	PCØ4-C	PCØ4-CA	PCØ4-CL	PCØ4-CM	PCØ4-P	PCØ4-PA	PCØ4-PL	PCØ4-PM	PCØ4-R	PCØ4-RL		
30	9107400-94	WIRE, 22 AWG STRD TEFLON WHT/YEL TRACER	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R		
31	9107400-93	WIRE, 22 AWG STRD TEFLON WHT/ORN TRACER	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R		
32	9107400-91	WIRE, 22 AWG STRD TEFLON WHT/BRN TRACER	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R		
33	9107350-77	WIRE, 22 AWG STRD TEFLON VIO	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R		
34	9107350-44	WIRE, 22 AWG STRD TEFLON YEL	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R		
35	9107350-33	WIRE, 22 AWG STRD TEFLON ORN	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R		
36	9107350-11	WIRE, 22 AWG STRD TEFLON BRN	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R		
37	9008905-01	SCR, PHL PAN HD 8-32 X 1-1/8 LG SST	1	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	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	1		
40	9006036-01	SCR, PHL PAN HD 8-32 X 5/16 LG SST	1	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	1		
42	9006024-1	SCR, PHL PAN HD 6-32 X 1/2 LG SST	10	10	10	10	10	10	10	10	10	10	10	10	10	10		
43	9006653	WASHER, FLAT #6 SST	15	15	15	15	15	15	15	15	15	15	15	15	15	15		
44	9008141	DEC NAME PLATE	2	2	2	2	2	2	2	2	2	2	2	2	2	2		
45	9107275	SHRINKABLE TUBING WHITE (6 IN.)	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R		
46	E-IA-7407438-0-0	POWER SUPPLY COVER	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
47	D-IA-7407067-1-0	I/O CABLE ASSY. (Ø)	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
48	7006145-1	I/O CABLE ASSY. (Ø)	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
49	9006664	WASHER, FLAT #10	24	24	24	24	24	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	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	4	4	4	4	4		
52	9006633	WASHER, INT TOOTH #10	4	4	4	4	4	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	1		
54	1209850	UNIVERSAL MODULE RETAINER	1	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	1	1	1	1	1		
56	C-IA-7408339-7-0	HOLD DOWN BAR (6")	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
57	9107470-55	WIRE, 24 AWG GOLD TEFLON GRDN	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R		
58	C-IA-7407134-1-0	BEZEL SWITCH	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
58	C-IA-7407134-2-0	BEZEL SWITCH	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
58	C-IA-7407134-3-0	BEZEL SWITCH	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
58	C-IA-7407134-4-0	BEZEL SWITCH	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
58	C-IA-7407134-5-0	BEZEL SWITCH	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
58	C-IA-7407134-6-0	BEZEL SWITCH	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
59	9009030	NUT KEPS #6-32 SST	2	2	2	2	2	2	2	2	2	2	2	2	2	2		
60	9006633	WASHER INT TOOTH LOCK #6	2	2	2	2	2	2	2	2	2	2	2	2	2	2		
61	9006656	WASHER FLAT	2	2	2	2	2	2	2	2	2	2	2	2	2	2		
62	A-PI-3700024-0-0	PACKAGING INSTRUCTIONS	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
63	A-PI-3700123-0-0	PACKAGING INSTRUCTIONS	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
64	9007079	CLAMP, CABLE 1/8 INCH	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
65	9006013-01	SCR, PHL PAN, HD #4-40 X 1/2 LG	4	4	4	4	4	4	4	4	4	4	4	4	4	4		
66	9006557	NUT, KEPS #4-40 1/4 X 3/32	4	4	4	4	4	4	4	4	4	4	4	4	4	4		
67	9006766	TERMINAL, SOLDER	1	1	1	1	1	1	1	1	1	1	1	1	1	1		

REV.	
CHANGE NO.	
CHK	

FIRST USED ON: PCØ4 (ALL)

UNLESS OTHERWISE SPECIFIED
DIMENSION IN INCHES
TOLERANCES
DECIMALS ± .005
FRACTIONS ± 1/64
ANGLES ± 0°30'
FINAL SURFACE QUALITY
REMOVE BURRS AND BREAK SHARP CORNERS

DRN. R. HUTNAK
CHK'D. R. CARVELLI
ENG. GEO. BECKNER
PROJ. ENG. GEO. BECKNER
PROD. R. ANTICNUCCIO

DATE 4-10-69
DATE 6-5-69
DATE 6-6-69
DATE 6-6-69
DATE 6-6-69

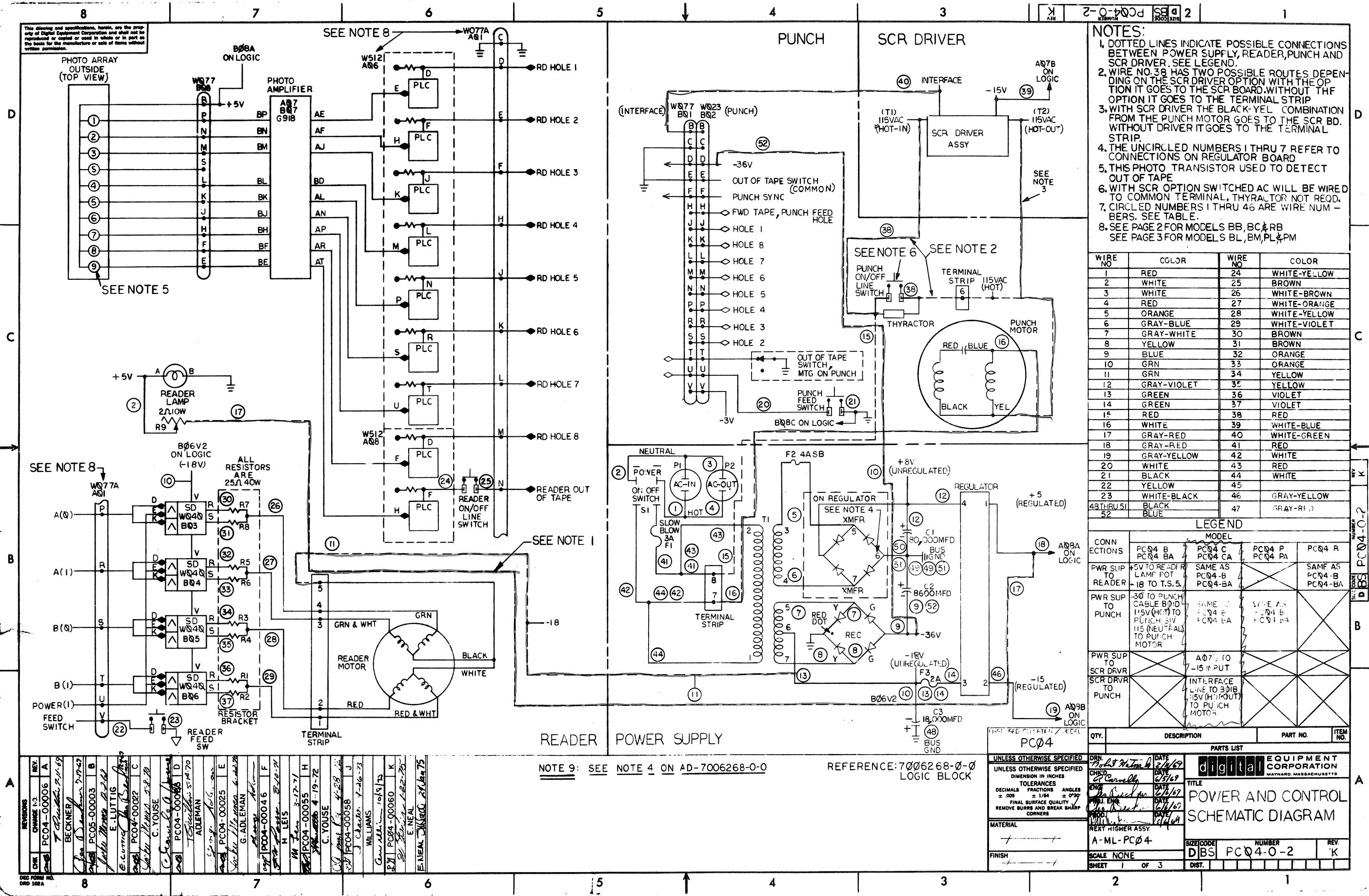
digital EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS
TITLE
PCØ4 READER
AND PUNCH

MATERIAL
FINISH

NEXT HIGHER ASSY.
D-UA-PCØ4-Ø-Ø
SCALE
SHEET 2 OF 3

SIZE CODE C
NUMBER PL
REV. T

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- NOTES:**
1. DOTTED LINES INDICATE POSSIBLE CONNECTIONS BETWEEN POWER SUPPLY, READER, PUNCH AND SCR DRIVER. SEE LEGEND.
 2. WIRE NO. 38 HAS TWO POSSIBLE ROUTES DEPENDING ON THE SCR DRIVER OPTION WITH THE OPTION IT GOES TO THE TERMINAL STRIP. 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, THYRACITOR NOT REQD.
 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 BL, BM, 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	WHITE
23	WHITE-BLACK	46	GRAY-YELLOW
43 THRU 51	BLACK	47	GRAY-RED
52	BLUE		

LEGEND

CONNECTIONS	MODEL			
	PCQ4 B PCQ4 BA	PCQ4 C PCQ4 CA	PCQ4 P PCQ4 PA	PCQ4 R
PWR SUP TO READER	+5V TO READER LAMP POT -18 TO T.S.S.	SAME AS PCQ4-B	SAME AS PCQ4-B	SAME AS PCQ4-B
PWR SUP TO PUNCH	-30 TO PUNCH CABLE B'D TO PUNCH SW -15V (HOT) TO PUNCH SW -15 (NEUTRAL) TO PUNCH MOTOR	SAME AS PCQ4-E	SAME AS PCQ4-E	SAME AS PCQ4-E
PWR SUP TO SCR DRVR	A075 TO -15 INPUT			
SCR DRVR TO PUNCH	INTERFACE LINE TO 30B -15V (HOT) TO PUNCH MOTOR			

PCQ4

QTY.	DESCRIPTION	PART NO.	ITEM NO.

PARTS LIST

DRN	DATE	TITLE
DRN	2/16/69	POWER AND CONTROL SCHEMATIC DIAGRAM
CHKD	2/16/69	
ENG	2/16/69	
APP'D	2/16/69	

EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS

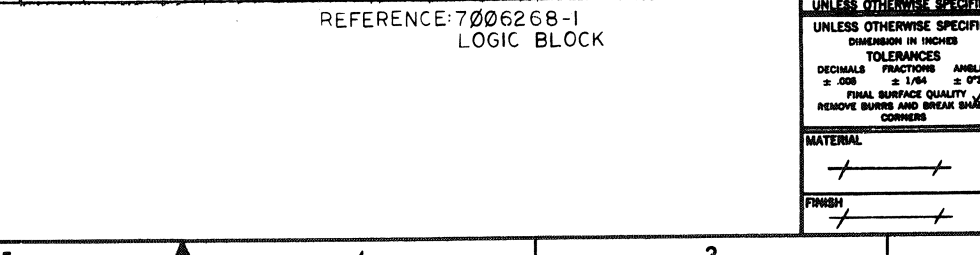
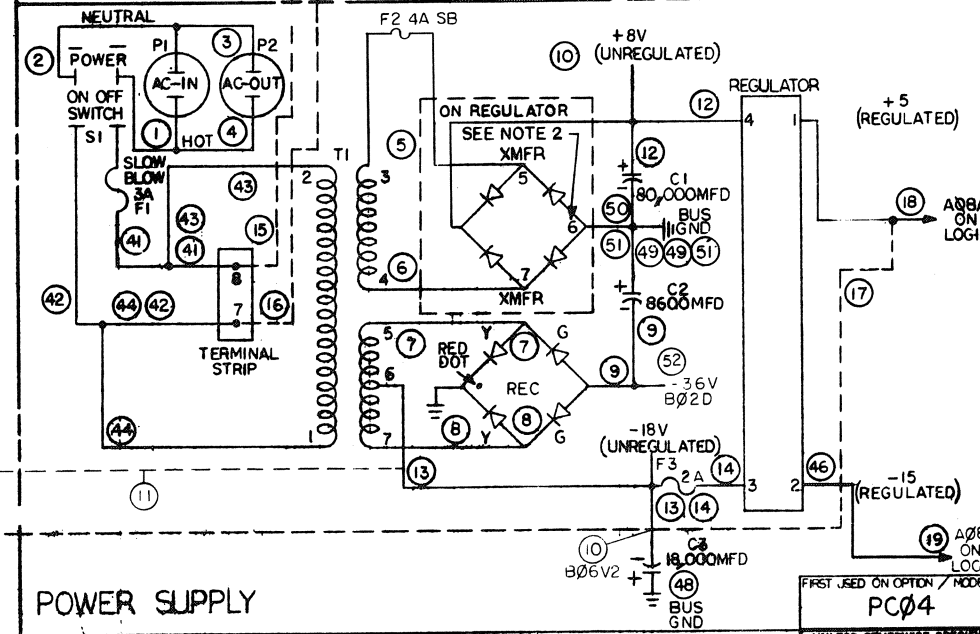
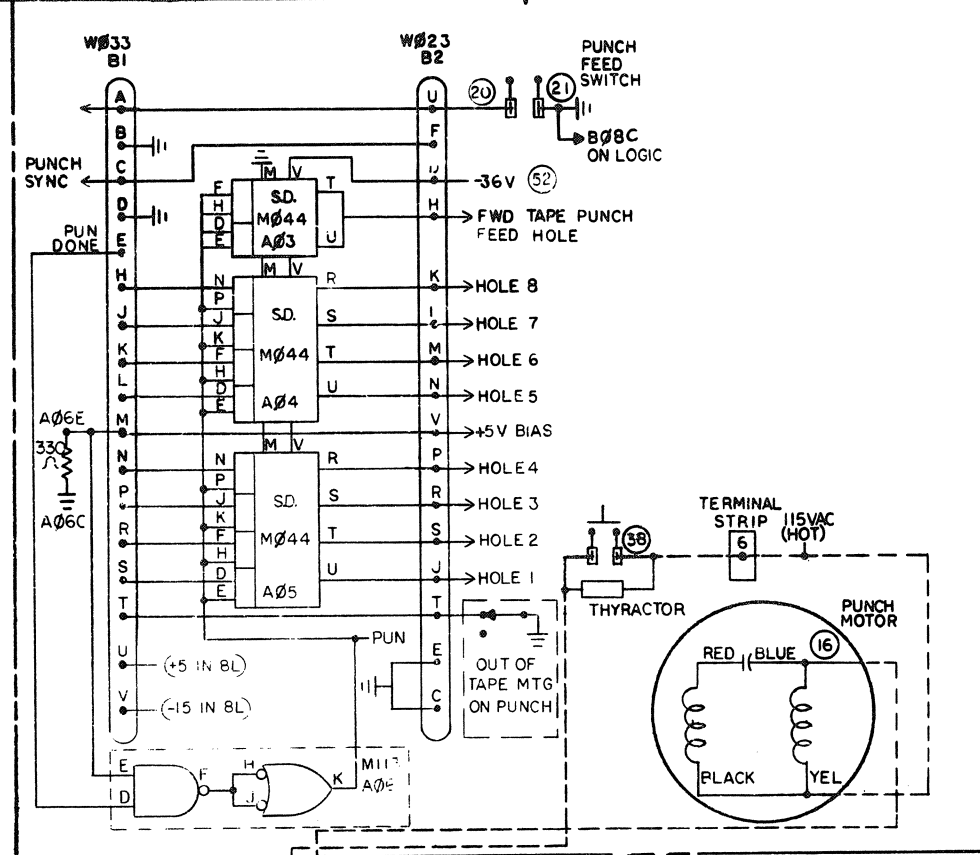
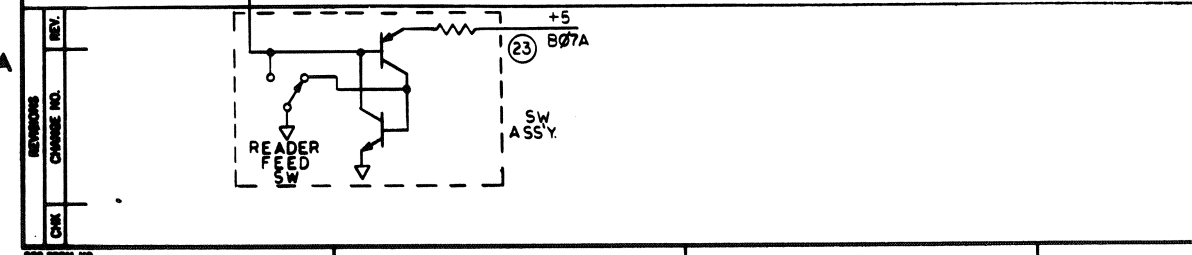
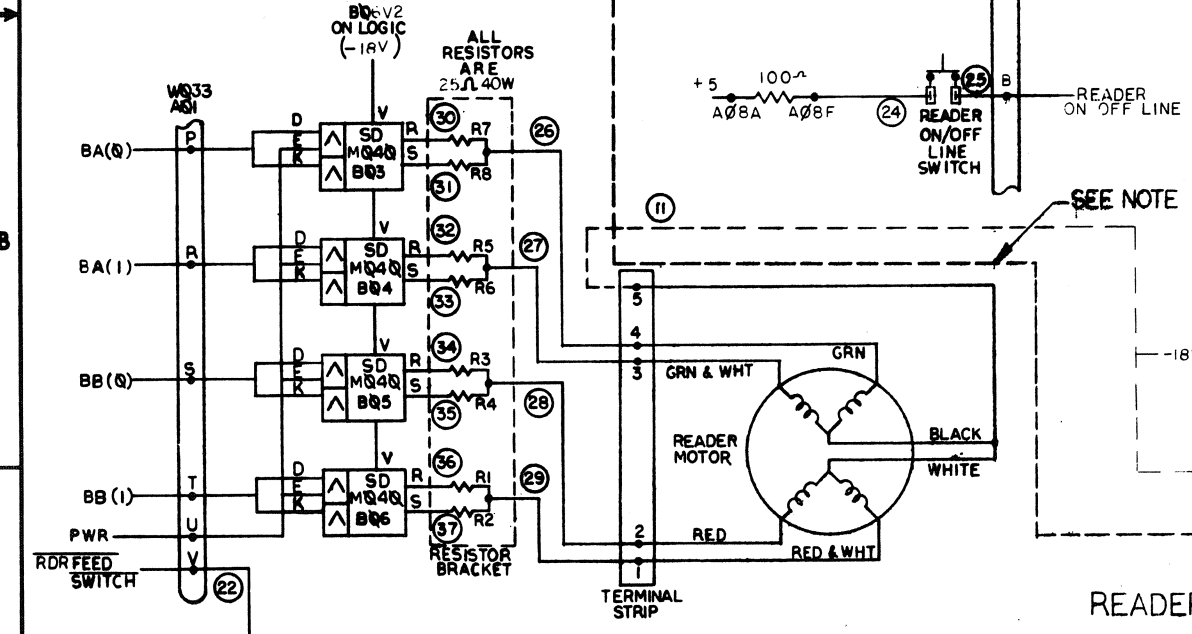
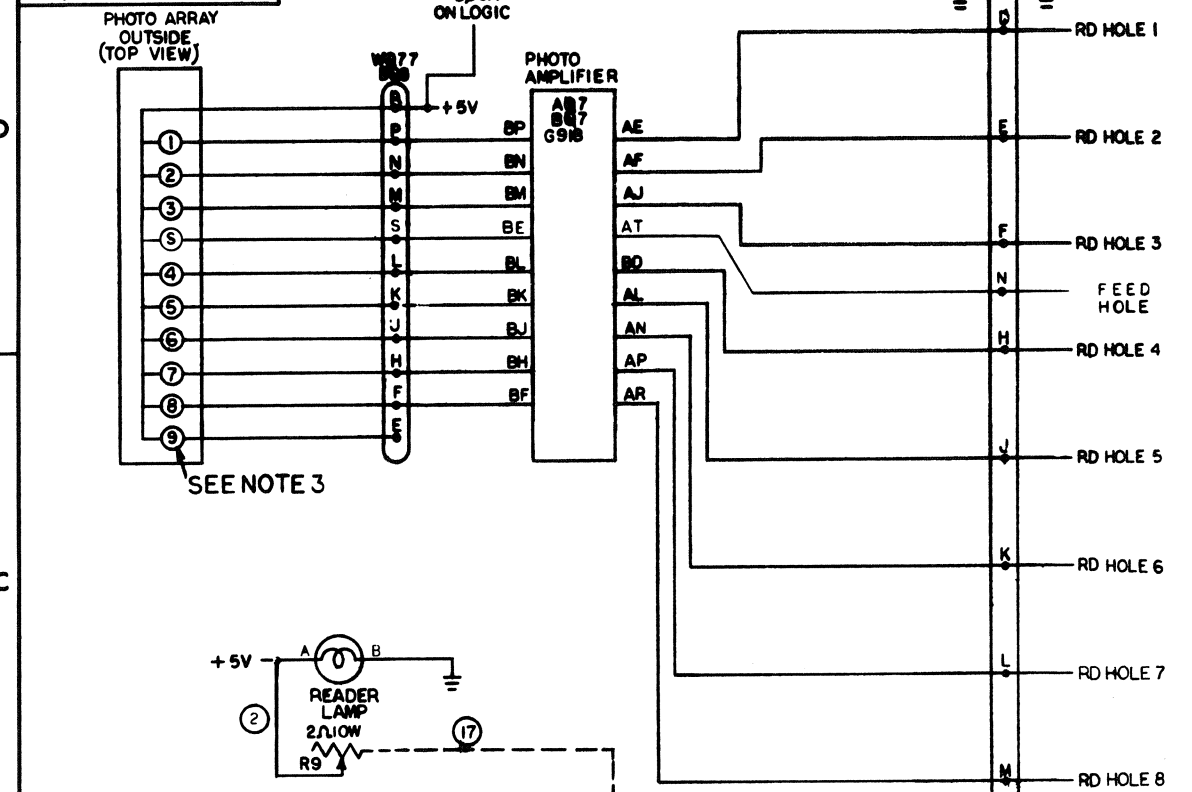
SCALE NONE
SHEET 1 OF 3
DIST.

REVISIONS

CHK	CHANGE NO.	REV.	DATE	BY
PCQ4	00006	A		
PCQ4	00003	B		
PCQ4	00022	C		
PCQ4	00048	D		
PCQ4	00025	E		
PCQ4	00055	H		
PCQ4	00060	K		
PCQ4	00046	F		

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

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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 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	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	
17	GRAY-RED	40	
18	GRAY-RED	41	RED
19	GRAY-YELLOW	42	WHITE
20	WHITE	43	RED
21	BLACK	44	WHITE
22	YELLOW		
23	WHITE-BLACK	46	GRAY-YELLOW
48 THRU 51	BLACK	47	GRAY-RED
52	BLUE		

LEGEND			
CONNECTIONS	MODEL	PC04 PL	PC04 RB
PWR SUP TO READER	PC04 BL PC04 BM	PC04 PL PC04 PM	PC04 RB
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

QTY.	DESCRIPTION	PART NO.	ITEM NO.

REFERENCE: 7006268-1 LOGIC BLOCK

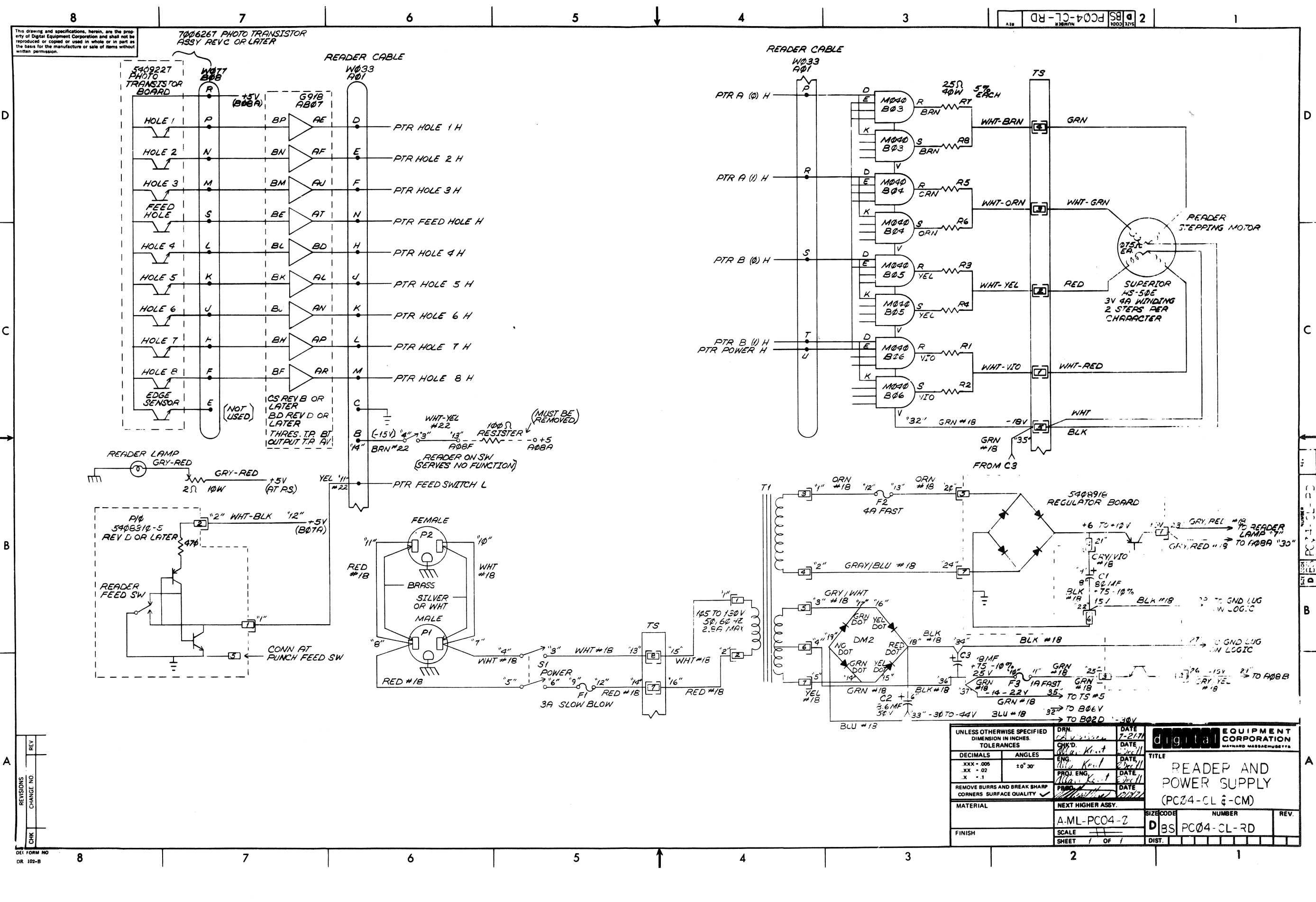
digital EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS

TITLE: POWER AND CONTROL SCHEMATIC DIAGRAM (8L, 8E, 8M, 8F)

A-ML-PC04-
SCALE NONE
SHEET 3 OF 3

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7006267 PHOTO TRANSISTOR ASSY REV C OR LATER

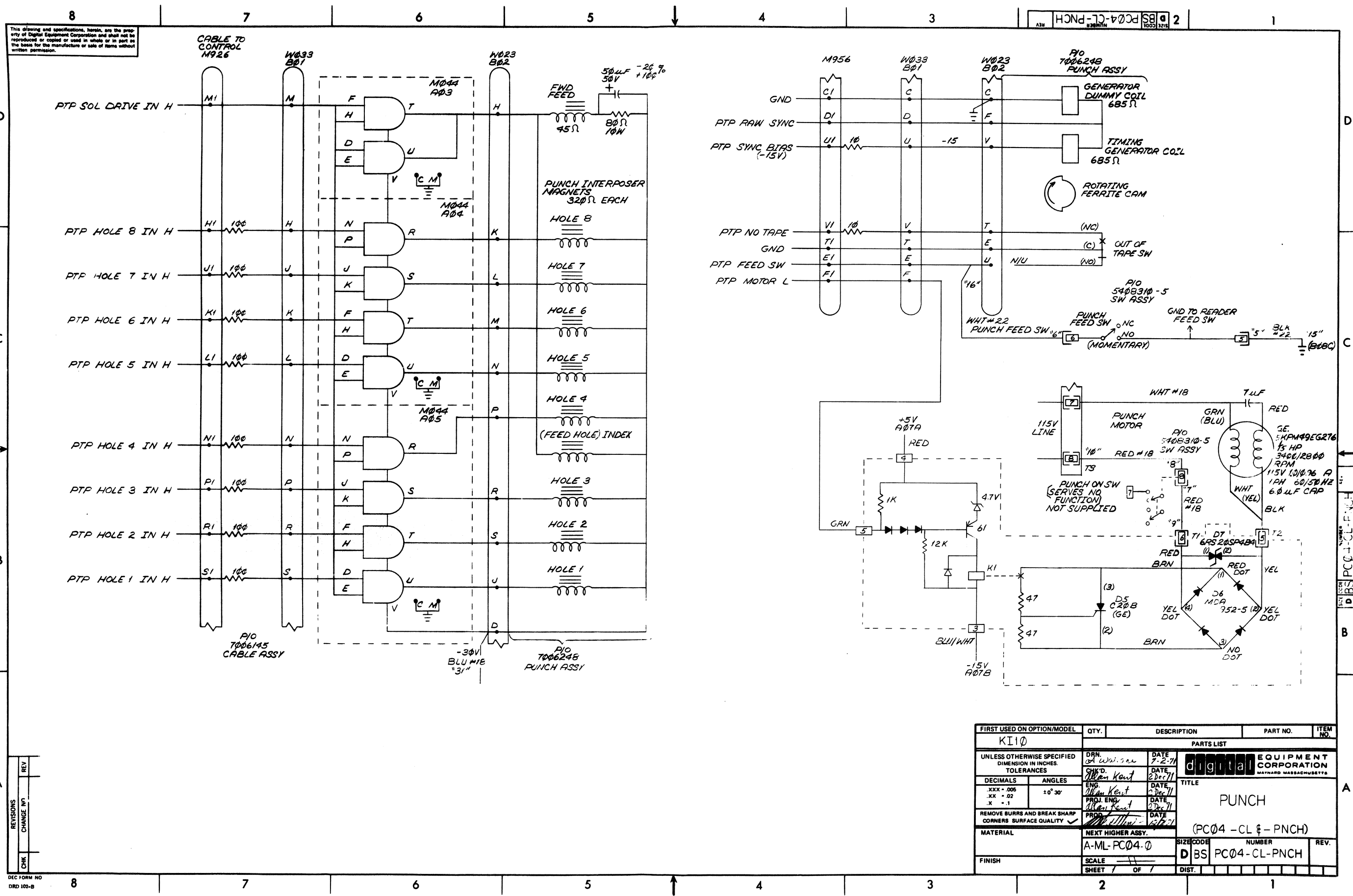


REVISIONS	NO	REV
CHK		

UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES TOLERANCES		DRN 7-21-77	DATE
DECIMALS	ANGLES	CHK'D 7-21-77	DATE
.XXX - .006	±0° 30'	ENG 7-21-77	DATE
.XX - .02		PROJ. ENG. 7-21-77	DATE
.X - .1		DRN 7-21-77	DATE
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY			
MATERIAL	NEXT HIGHER ASSY.		
FINISH	SCALE		
	SHEET 1 OF 1		

digital EQUIPMENT CORPORATION MAYNARD MASSACHUSETTS	
TITLE READER AND POWER SUPPLY (PC04-CL-2-CM)	
SIZE CODE A-ML-PC04-2	NUMBER D BS PC04-CL-RD
REV.	

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FIRST USED ON OPTION/MODEL	QTY.	DESCRIPTION	PART NO.	ITEM NO.
KI10				
PARTS LIST				
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES TOLERANCES		DRN. <i>A. W. S. S. E.</i> DATE 7-2-71	 digital EQUIPMENT CORPORATION <small>MAYNARD MASSACHUSETTS</small>	
DECIMALS	ANGLES	CHK'D. <i>R. E. K. E. T.</i> DATE 2 Dec 71		
.XXX - .005	±0° 30'	ENG. <i>R. E. K. E. T.</i> DATE 2 Dec 71		
.X - .1		PROJ. ENG. <i>R. E. K. E. T.</i> DATE 2 Dec 71		
		PROP. <i>R. E. K. E. T.</i> DATE 2 Dec 71		
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY				
MATERIAL		NEXT HIGHER ASSY.		
FINISH		A-ML-PC04-0		
SCALE		D BS PC04-CL-PNCH		
SHEET 1 OF 1		DIST.		

REVISIONS
 CHANGE NO.
 CHK
 DEC FORM NO. DRD 102-B

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DMU PC04-0-3

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

	1	2	3	4	5	6	7	8
A						W512	G918	W512
								LEVEL CONVERTER
B	W077	W023	W040	W040	W040	W040		W077
								PHOTO AMPLIFIER
								READER CELL
								LEVEL CONVERTER

PC04-B-BA*-C-CA*
 (SEE E-AD-7006268-0-0 WITH NOTE 4; PDP-8/S, -9, KA10)

	1	2	3	4	5	6	7	8
A								
B	W077	W023						

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

	1	2	3	4	5	6	7	8
A						W512	G918	W512
								LEVEL CONVERTER
B			W040	W040	W040	W040		W077
								PHOTO AMPLIFIER
								READER CELL
								LEVEL CONVERTER

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

	1	2	3	4	5	6	7	8
A								G918
B	W077	W023	W040	W040	W040	W040		W077
								PHOTO AMPLIFIER
								READER CELL

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

	1	2	3	4	5	6	7	8
A								
B	W033	W023						

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

	1	2	3	4	5	6	7	8
A								G918
B			W040	W040	W040	W040		W077
								PHOTO AMPLIFIER
								READER CELL

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

	1	2	3	4	5	6	7	8
A	W033	W044	W044	W044	W044	W044	W044	G918
B	W033	W023	W040	W040	W040	W040		W077
								PHOTO AMP. IFIER
								READER CELL

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

	1	2	3	4	5	6	7	8
A								G918
B			W040	W040	W040	W040		W077
								PHOTO AMPLIFIER
								READER CELL

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

	1	2	3	4	5	6	7	8
A								G918
B	W033	W023	W040	W040	W040	W040		W077
								PHOTO AMPLIFIER
								READER CELL

PC04-CL-CM*
 (7006268-2; KI10)

REV.	CHG.	NO.	DATE	BY
C		0053		
D		0055	4-19-72	C. YOUSE

DEC FORM NO. 100-A

FIRST USED ON OPTION/MODEL	QTY.	DESCRIPTION	PART NO.	ITEM NO.
PC04-0				
PARTS LIST				
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES:	DRN P. MARCOTTI	DATE 6-8-69	digital EQUIPMENT CORPORATION MAYNARD MASSACHUSETTS	
TOLERANCES:	CHK'D R. CARVELL	DATE 6-8-69	TITLE	
DECIMALS	ENG. G. BECKNER	DATE 6-8-69	MODULE UTILIZATION	
ANGLES	PROJ. ENG. G. BECKNER	DATE 6-8-69	LIST PC04	
XXX - .005	PROD. R. ANTONUCCIO	DATE 6-8-69		
XX - .02				
X - .1				
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY				
MATERIAL	NEXT HIGHER ASSY.			
FINISH	A-ML-PC04	SIZE CODE	NUMBER	REV.
		DMU	PC04-0-3	D
	SCALE			
	SHEET 1 OF 1	DIST.		

DIGITAL EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS
PARTS LIST

MADE BY P. MARCOTTE
 DATE *6/15/69* CHECKED *R. Carvelli* SECTION 1
 ENG *John West* DATE *6/16/69* PROD DATE ISSUED SECT. 1
 DATE *6/16/69* DATE

ITEM NO.	DWG NO. / PART NO.	DESCRIPTION
1	G918 *	PHOTO AMPLIFIER
2	W512	NEGATIVE INPUT CONVERTER
3	W040	SOLENOID DRIVER
4	W512	POSITIVE LEVEL CONVERTER
5	M040	SOLENOID DRIVER (+ 8I)
6	M044	SOLENOID DRIVER (+8L)
7	M113	10-2 INPUT NAND GATE

* NOTE: G918 MUST BE D BOARD REV OR HIGHER

		QUANTITY / VARIATION									
		PC04-B-0	PC04-BA-0	PC04-C-0	PC04-CA-0	PC04-P-0	PC04-PA-0	PC04-R-0	PC04-BB-0	PC04-3C-0	PC04-RB-0
1	1	1	1	1	1	-	-	1	1	1	1
1	1	1	1	1	1	-	-	1	1	1	1
4	4	4	4	4	4	-	-	4	-	-	-
2	2	2	2	2	2	-	-	2	-	-	-
-	-	-	-	-	-	-	-	-	4	4	4

TITLE MODULE UTILIZATION
 ASSEMBLY NO. D-MU-PC04-0-3
 SIZE CODE A PL
 NUMBER PC04-0-3
 REV ECO NO. D PC04-00055
 SHEET 1 OF 2
 DIST.

DEC FORM NO. DRA 110

DIGITAL EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS
PARTS LIST

MADE BY P. MARCOTTE
 DATE *6/5/69* CHECKED *R. Carvelli* SECTION 1
 ENG *G. Blackner* DATE *6/6/69* PROD DATE ISSUED SECT. 1
 DATE *6/6/69* DATE

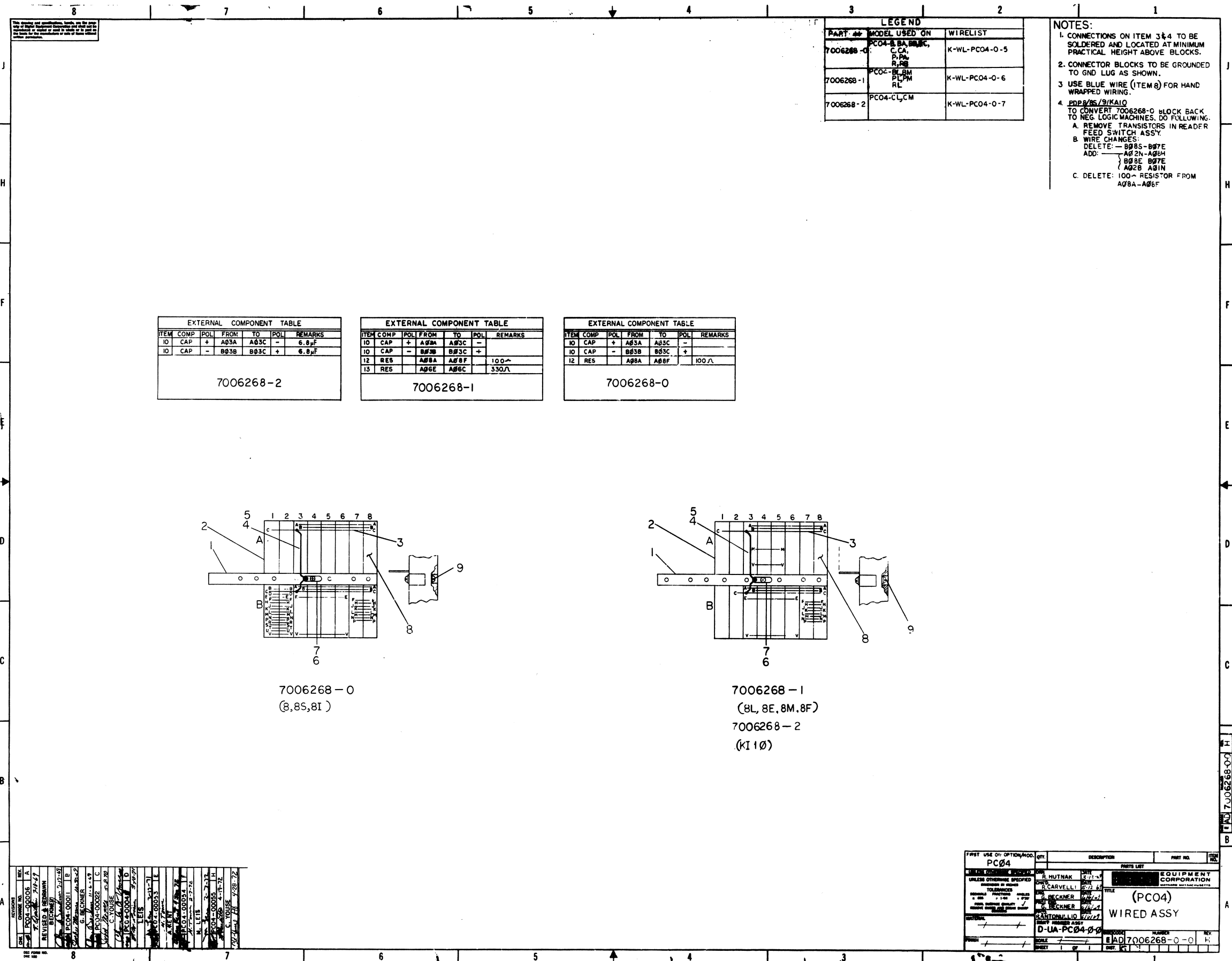
ITEM NO.	DWG NO. / PART NO.	DESCRIPTION
1	G918 *	PHOTO AMPLIFIER
2		
3	W040	SOLENOID DRIVER (-)
4	W512	POSITIVE LEVEL CONVERTER
5	M040	SOLENOID DRIVER (+)
6	M044	SOLENOID DRIVER (+8L)
7	M113	10-2 INPUT NAND GATE

* NOTE: G918 MUST BE D REV BOARD OR HIGHER

		QUANTITY / VARIATION									
		PC04-BI-0	PC04-BM-0	PC04-PI-0	PC04-PM-0	PC04-CI, -CM	PC04-RI				
1	1	1	1	-	-	1	1				
-	-	-	-	-	-	-	-				
4	4	4	4	-	-	-	-				
3	3	3	3	3	3	-	-				
1	1	1	1	1	1	-	-				

TITLE MODULE UTILIZATION
 ASSEMBLY NO. D-MU-PC04-0-3
 SIZE CODE A PL
 NUMBER PC04-0-3
 REV ECO NO. D
 SHEET 2 OF 2
 DIST.

DEC FORM NO. DRA 110



LEGEND		
PART NO.	MODEL USED ON	WIRELIST
7006268-0	PC04-8A, 8B, 8C, C, CA, P, PA, R, RA	K-WL-PC04-0-5
7006268-1	PC04-8L, 8M, 8P, 8R	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.
 - PDP/8S/9/KA10 TO CONVERT 7006268-0 BLOCK BACK TO NEG. LOGIC MACHINES, DO FOLLOWING:
 - REMOVE TRANSISTORS IN READER FEED SWITCH ASSY.
 - WIRE CHANGES:
 - DELETE: - B08S-B07E
 - ADD: - A02N-A06H
 - B09E-B07E
 - A02B-A01N
 - DELETE: 100-RESISTOR FROM A08A-A06F

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

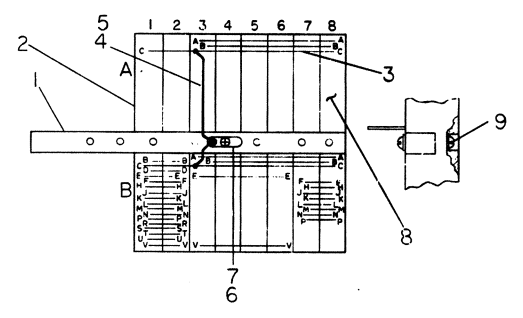
7006268-2

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

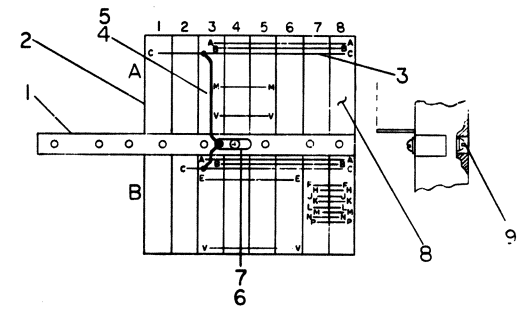
7006268-1

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

7006268-0



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



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

REV	DESCRIPTION	DATE	BY
1	PC04-0005A	7/7/67	W. L. H.
2	PC04-0005B	7/7/67	W. L. H.
3	PC04-0005C	7/7/67	W. L. H.
4	PC04-0005D	7/7/67	W. L. H.
5	PC04-0005E	7/7/67	W. L. H.
6	PC04-0005F	7/7/67	W. L. H.
7	PC04-0005G	7/7/67	W. L. H.
8	PC04-0005H	7/7/67	W. L. H.
9	PC04-0005I	7/7/67	W. L. H.
10	PC04-0005J	7/7/67	W. L. H.
11	PC04-0005K	7/7/67	W. L. H.
12	PC04-0005L	7/7/67	W. L. H.
13	PC04-0005M	7/7/67	W. L. H.
14	PC04-0005N	7/7/67	W. L. H.
15	PC04-0005O	7/7/67	W. L. H.
16	PC04-0005P	7/7/67	W. L. H.
17	PC04-0005Q	7/7/67	W. L. H.
18	PC04-0005R	7/7/67	W. L. H.
19	PC04-0005S	7/7/67	W. L. H.
20	PC04-0005T	7/7/67	W. L. H.
21	PC04-0005U	7/7/67	W. L. H.
22	PC04-0005V	7/7/67	W. L. H.
23	PC04-0005W	7/7/67	W. L. H.
24	PC04-0005X	7/7/67	W. L. H.
25	PC04-0005Y	7/7/67	W. L. H.
26	PC04-0005Z	7/7/67	W. L. H.

FIRST USE OR OPTION/NO.	QTY.	DESCRIPTION	PART NO.	ITEM NO.
PC04				
UNLESS OTHERWISE SPECIFIED		EQUIPMENT CORPORATION		
TOLERANCES		TITLE (PC04)		
DIMENSIONS		WIRED ASSY		
MATERIALS		D-UA-PC04-0-0		
FINISH		REV		
SCALE		REV		
SHEET		REV		

7006268-0

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>Carwell</i>		
DATE	4/4/67	DATE	1/6/67		

QUANTITY / VARIATION

ITEM NO.	DWG NO. / PART NO.	DESCRIPTION	QUANTITY / VARIATION																	
			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	RA	RA	R														
4	9107560-1	#22 AWG BUS WIRE	A/R	RA	RA	R														
5	9107265	#22 TUBING, TEFLON, WHITE	A/R	RA	RA	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	RA	RA	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															
11	1000086	CAP 180 MFD 6V 10%	1																	
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	PC4 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.	5								

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DIGITAL EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS

ENGINEERING SPECIFICATION

DATE 11/11/69

TITLE PC94 Engineering Specification

REVISIONS				
REV	DESCRIPTION	CHG NO	ORIG	DATE
A		PC94-00036	M. LEIS	3-17-77

General Information:

The PC94 comes in eight (8) configurations. They are the PC94P, PL (basic punch), PC94R, RE (basic reader), PC94B, EB, BL, (punch and reader), and PC94C (punch, SCR, and reader). The 50 cycle variations are PC94PA, PM; PC94BA, BC, BM, and PC94CA with no variation in PC94R and RE. 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

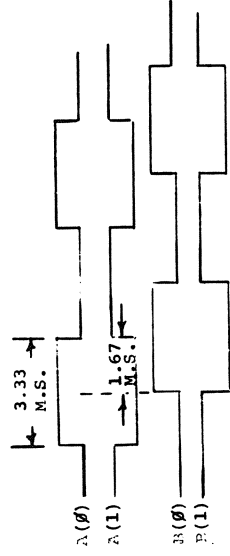
Logic 1 is >+2.4v
 Logic 0 <+0.8v

Reader Signals:

Reference drawing BS-D-PC94-0-2

(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:



DEC FORM NO. DRA 108A

EMG *John A. Goff* APPD *John P. ...* SHEET 1 OF 7

CONTINUATION SHEET

TITLE PC04 Engineering Specification

- (5) The eight data holes also require a 10 msec. level to activate the punches.
- (6) Out-of-tape signal is generated from a micro-switch on the punch. It is at ground when the punch is out-of-tape.
- (7) Punch feed switch is used to manually feed tape through the punch.
- (8) The -3 volt or +5v supply is a bias on the punch sync coil.
- (9) The punch on/off power switch is used in the options not using the SCR driver. It simply supplies 115 volts to the punch motor.

Power Supply

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

Power Requirements

Unit will run at 50 or 60 cycles, 115 volts ±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.

DEC FORM NO. DRA 108A

SIZE A CODE SP PC04-0-4 REV A SHEET 3 OF 7

CONTINUATION SHEET

TITLE PC94 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
-3 volts	0 volts
+2.4 volts	0 volts

Punch Signals:

Refer to drawing BS-D-PC94-0-2

- (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 PC94PI and BL when the solenoid drivers are activated by a >+2.0v signal.

DEC FORM NO. DRA 108A

SIZE A CODE SP PC04-0-4 REV A SHEET 2 OF 7

CONTINUATION SHEET

TITLE PC94 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 ±5%

Margins

+5v is +5v ±.5v
 -15v is -15v ±20%
 -30v is -36v ±5%

DEC FORM NO. DRA 108A

SIZE A CODE SP PC04-0-4 REV A SHEET 4 OF 7

ENGINEERING SPECIFICATION		CONTINUATION SHEET			
TITLE PC#4 Engineering Specification		PC#4 Engineering Specification - Test Procedure for Reader			
TABLE 1-1 PC#4 Configuration					
CONFIGURATION	REFERENCE BLOCK SCHEMATICS	PUNCH MODULES	INTERFACE CABLES	READER MODULES	APPLICABLE COMPUTERS
PC#4P	D/BS/PC#4-0-2 Page 1 of 3	None	1-W077A	N/A	PDP8; PDP8/S; PDP8/I
PC#4PL	D/BS/PC#4-0-2 Page 3 of 3	3-M044	1-W033A	N/A	PDP8/L; PDP8E
PC#4R	D/BS/PC#4-0-2 Page 1 of 3	N/A	1-W077A	1-G918 4-W040 2-W512	PDP8; PDP8/S
PC#4RB	D/BS/PC#4-0-2 Pages 2 and 3 of 3	N/A	1-W077A	1-G918 4-M040	PDP8/I; PDP8/L PDP8/E
PC#4B	D/BS/PC#4-0-2 Page 1 of 3	None	2-W077A	1-G918 4-W040 2-W512	PDP8; PDP8/S
PC#4BB	D/BS/PC#4-0-2 Page 2 of 3	None	2-W077A	1-G918 4-M040	PDP8/I
PC#4BL	D/BS/PC#4-0-2 Page 3 of 3	3-M044	2-W033C	1-G918 4-M040	PDP8/L PDP8/E
PC#4C	D/BS/PC#4-0-2 Page 1 of 3	None	2-W077A	1-G918 4-W040 2-W512	PDP9; PDP10

DEC FORM NO DRA 108A
SIZE CODE SP A
NUMBER PCO-0-4
REV A
SHEET 5 OF 7

ENGINEERING SPECIFICATION		CONTINUATION SHEET	
TITLE PC#4 Engineering Specification		PC#4 Engineering Specification - Test Procedure for Reader	
<p>B. -15 volts on A#8B and B#8B (± 1 volts).</p> <p>C. -30 volts on B#6V and B#2D (-32 to -40 volts).</p>			
<p>3. Shut power off and insert modules for PC#4.</p> <p>4. Apply power and make same check as in 2.</p> <p>5. Put cap. (6.8uf, 10-5306) between pins A#3A (+) and A#3C (-) and between pins B#3C (+) and B#3B (-).</p>			

DEC FORM NO 16-1022
DRA 108
SIZE CODE A
NUMBER PCO4-U-4
REV A
SHEET 7 OF 7

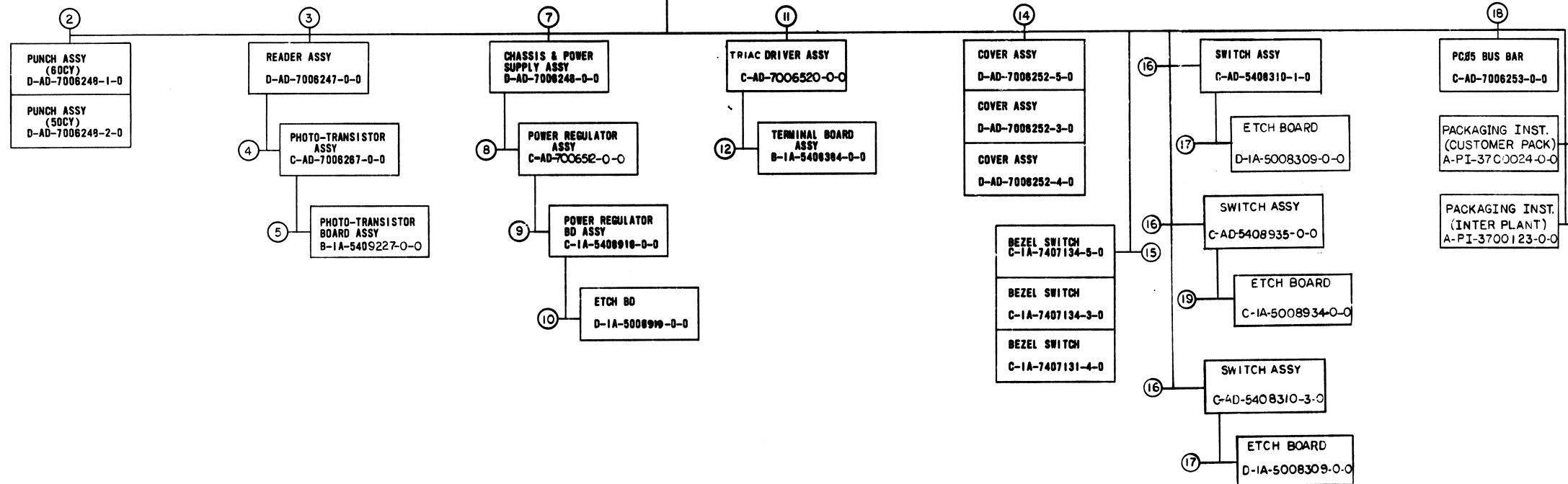
ENGINEERING SPECIFICATION		CONTINUATION SHEET	
TITLE PC#4 Engineering Specification		PC#4 Engineering Specification - Test Procedure for Reader	
<p>1. Do not apply power until the following checks are made.</p> <p>a. Logic block empty.</p> <p>b. A#1A, A#2A, A#1E, A#2B, A#1A, and B#2A are bare (no wiring or bussing).</p> <p>c. B#1B and B#2B should be bussed together without any wires on them except for the PC#4C configuration when a white/green wire will be on B#1E.</p> <p>d. Remove reader lamp.</p> <p>e. Check caps for proper polarity in wiring.</p> <p>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.</p> <p>g. Check fuses for proper rating. Also, should be slo/blo.</p> <p>h. Check for continuity between reader lamp ground slot and chassis ground.</p> <p>i. Check the following wires for proper connection.</p>			
Color	Location	Color	Location
+black (str)	B#8C	*wh/blue	A#7B
*wh/black (str)	B#7C	*wh/green	B#1B
#brown (str)	A#2B A#1B	#brown (solid)	B#3R, S
#yellow (str)	A#1V	#orange (solid)	B#4R, S
*wh/yellow (str)	A#8F	#yellow (solid)	B#5P, S
+white (str)	B#1U	#violet (solid)	F#6R, S
grey/red (str)	A#8A	+punch configurations	
grey/yellow (str)	A#8B	*only on PC#4C configurations	
blue (str)	B#6V	=reader configurations	
<p>j. Put reader lamp back in position making sure that the tension on the lamp is sufficient for good contact.</p> <p>2. Apply AC power to the unit and check.</p> <p>a. +5 volts on A#8A and B#8A (+5 volts ± 25 volts).</p>			

DEC FORM NO DRA 108A
SIZE CODE SP A
NUMBER PCO4-U-4
REV A
SHEET 6 OF 7

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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 C-3 OR A D-AD-7006252-3-0 COVER ASSY.

MODEL	DESCRIPTION	CY	COMPOSITION																
			FIND NUMBER																
			2	3	4	5	7	8	9	10	11	12	14	15	16	17	18	19	
PC05-C	PUNCH, READER, DRIVER	00	-1	X	X	X		X	X	X	X	X		-4	-4	-3	X	X	
PC05-CA	PUNCH, READER, DRIVER	50	-2	X	X	X		X	X	X	X	X		-4	-4	-3	X	X	
PC05-P	PUNCH, DRIVER	00	-1					X	X	X	X	X		-5	-5	-1	X	X	
PC05-PA	PUNCH, DRIVER	50	-2					X	X	X	X	X		-5	-5	-1	X	X	
PC05-R	READER	X		X	X	X		X	X	X	X			-3	-3	-0		X	X



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

REV	CHANGE NO.	REV	DATE
A	PC05-0001	A	1/15/70
B	PC05-0002	B	1/22/70
C	TU55-00014	C	1/22/70
D	PC05-0003	D	1-23-70
E	PC0-0002	E	2-10-70
F	PC05-00014	F	3-10-70
G	PC05-0002	G	4-10-70
H	PC05-00015	H	4-11-70
I	PC05-00018	I	5-21-70
J	PC04-00021	J	4-10-70
K	PC05-00016	K	5-8-70
L	PC04-00026	L	6-30-70
M	PC04-00032	M	7-6-70
N	PC05-00018	N	7-27-70
O	PC05-00020	O	7-27-70
P	PC05-00019	P	12/5/70
Q	PC05-00020	Q	1-20-71
R	PC05-00020	R	3-17-71
S	PC05-00021	S	3-3-71
T	PC05-00021	T	1-14-71
U	PC05-00026	U	11-27-71
V	PC05-00024	V	3-22-72
W	PC05-00024	W	12-8-72

FIRST USED ON OPTION/MODEL
 PC05

DO NOT SCALE DRAWING	UNLESS OTHERWISE SPECIFIED
DIMENSIONS IN INCHES	TOLERANCES
DECIMALS FRACTIONS ANGLES	±.005 ±.010 ±.015
FINAL SURFACE QUALITY	REMOVE BURRS AND BREAK SHARP CORNERS
MATERIAL	FINISH

QTY.	DESCRIPTION	PART NO.	ITEM NO.
PARTS LIST			
digital EQUIPMENT CORPORATION MAYNARD MASSACHUSETTS			
TITLE DRAWING INDEX LIST PC05			
NEXT HIGHER ASSY A-ML-FU05-0			
SCALE 1 OF 2			
SHEET 1 OF 2			
DISTRIBUTION CODE DDI PC05-0-1 Z			

8 7 6 5 4 3 2 1

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MECHANICAL			DEPT USAGE			MECHANICAL			DEPT USAGE			MECHANICAL			DEPT USAGE			ELECTRICAL			DEPT USAGE								
FIND NO.	DESCRIPTION	PART NO.	PROD	CUST	F/C	FIND NO.	DESCRIPTION	PART NO.	PROD	CUST	F/C	FIND NO.	DESCRIPTION	PART NO.	PROD	CUST	F/C	FIND NO.	DESCRIPTION	PART NO.	PROD	CUST	F/C						
1	PC05 READER, PUNCH.	D-UA-PC05-0-0				4	PHOTO TRANSISTOR ASSY	C-1A-7008207-0-0				16	SWITCH ASSY	C-AD-5408310-1-0				1	PAPER TAPE PUNCH, READER SCR	A-ML-PC05-0									
2	PC05 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-PC05-0-0 B-MD-7405300-0-0 D-MD-7407131-0-0 C-MD-7408004-0-0 E-1A-7407438-0-0 C-1A-7405642-0-0 C-1A-7408334-7-0 A-PI-3700024-0-0 D-AD-7008248-1-0 D-AD-7008248-2-0 A-PL-7008248-0-0 B-MD-7407398-0-0 D-1A-7407071-0-0 B-MD-7407083-0-0 B-MD-7407132-0-0 D-SC-1209915-0-0 B-MD-7408172-0-0 B-MD-7408089-1-0 B-MD-7408089-2-0 D-MD-7408088-0-0 D-1A-7408171-0-0 C-SC-1209924-0-0				5	PHOTO TRANSISTOR BD ASSY	B-1A-5409227-0-0				17	PCO SWITCH BOARD FLIP CHIP MODULE	D-1A-5008309-0-0 D-MD-1402230-0-0				7	CHASSIS & POWER SUPPLY ASSY	D-AD-7006246-0-0									
3	READER ASSY READER ASSY (PL) TAPE PATH GUIDE READER PLATE BLOCK READER SHAFT READER PLATE ARM, SPRING SPRING, BULB DEPRESSOR TAPE BRKT TAPE HOLD DOWN SLO SYN MOTOR REWORK SHIM LENS	D-AD-7008247-0-0 A-PL-7008247-0-0 D-MD-7407076-0-0 D-MD-7407085-0-0 B-MD-7407119-0-0 B-MD-7407120-0-0 B-MD-7407118-0-0 A-MD-7407118-0-0 C-MD-7407121-0-0 C-MD-7407144-0-0 B-1A-7407684-0-0 B-MD-7407800-0-0 B-MD-7404989-0-0				7	CHASSIS & POWER SUPPLY ASSY CHASSIS & POWER SUPPLY (PL) PANEL FRONT BRKT MTG BAR RIGHT HAND BRKT MTG BAR LEFT HAND CHASSIS COVER, JONES STRIP HARNNESS, CONTROL HARNNESS I/O 110 VAC HARNNESS POWER SUPPLY DECAL (PC05)	D-AD-7006246-0-0 A-PL-7006246-0-0 D-1A-7407075-0-0 C-MD-7407085-1-0 C-MD-7407085-2-0 E-1A-7407074-0-0 D-1A-7006311-0-0 C-MD-5309644-0-0 D-1A-7006311-0-0 D-1A-7006310-0-0 D-1A-7006309-0-0 A-DC-7407476-0-0				18	PC05 BUS BAR MTG. BAR (6 IN.)	C-AD-7006253-0-0 B-1A-7407077-0-0				11	TRIAC DRIVER ASSY CIRCUIT SCHEMATIC	C-AD-7006520-0-0 C-AD-7006520-0-0				8	PWR REGULATOR ASSY CIRCUIT SCHEMATIC	C-AD-7006512-0-0 B-CS-5408918-0-0			
						8	PWR REGULATOR ASSY PWR REGULATOR (PL) HEATSINK, PWR REGULATOR CIRCUIT SCHEMATIC	C-AD-7006512-0-0 A-PL-7006512-0-0 C-MD-7407088-0-0 B-CS-5408308-0-0				19	PR SWITCH BOARD	D-1A-5008934-0-0						18	BUS BAR (PC05)	C-AD-7006253-0-0							
						9	PWR REGULATOR BOARD ASSY	C-1A-5408918-0-0				20	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							19	BUS BAR (PC05)	C-AD-7006253-0-0						
						10	ETCH BOARD	D-1A-5008919-0-0				21	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															
						11	TRIAC DRIVER ASSY SCR DRIVER ASSY (PL) SCR DRIVER CHASSIS	C-AD-7006520-0-0 A-PL-7006520-0-0 C-1A-7407070-0-0																					
						12	TERMINAL BD ASSY	E-1A-5408394-0-0																					
						13	TERMINAL BOARD	C-1A-8008393-0-0																					
						14	COVER ASSEMBLY 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-1209396-1-0 E-SC-1209396-3-0 E-SC-1209396-5-0 E-SC-1209225-0-0																					
						15	BEZEL SWITCH SILK SCREEN BEZEL SWITCH SILK SCREEN BEZEL SWITCH SILK SCREEN	C-1A-7407134-5-0 A-SS-7407134-5-1 C-1A-7407134-3-0 A-SS-7407134-2-0 C-1A-7407134-4-0 A-SS-7407134-4-1																					

CHK	REV.	NO.	DATE	BY
	1	PC05-00013	1-18-73	
	2	PC05-00026	2/3/73	A. WILLIAMS
	3	PC05-00027	2/7/73	E. WILLIAMS
	4	PC05-00027	2/7/73	A. WILLIAMS
	5	PC05-00044	5-24-74	E. WILLIAMS
	6	PC05-00044	5-24-74	A. WILLIAMS

FIRST USED ON OPTION / MODEL
PC05

DO NOT SCALE DRAWING		DATE	2/2/69
UNLESS OTHERWISE SPECIFIED		DATE	2/24/69
DIMENSION IN INCHES		DATE	7/11/67
TOLERANCES		DATE	7/11/67
DECIMALS ± .005		DATE	7/11/67
FRACTIONS ± 1/64		DATE	7/11/67
ANGLES ± 0'30"		DATE	7/11/67
FINAL SURFACE QUALITY		DATE	7/11/67
REMOVE BURRS AND BREAK SHARP CORNERS		DATE	7/11/67
MATERIAL		NEXT HIGHER ASSY	
+ + +		A-ML-PC05-0	
FINISH		SCALE	
+ + +		2 OF 2	

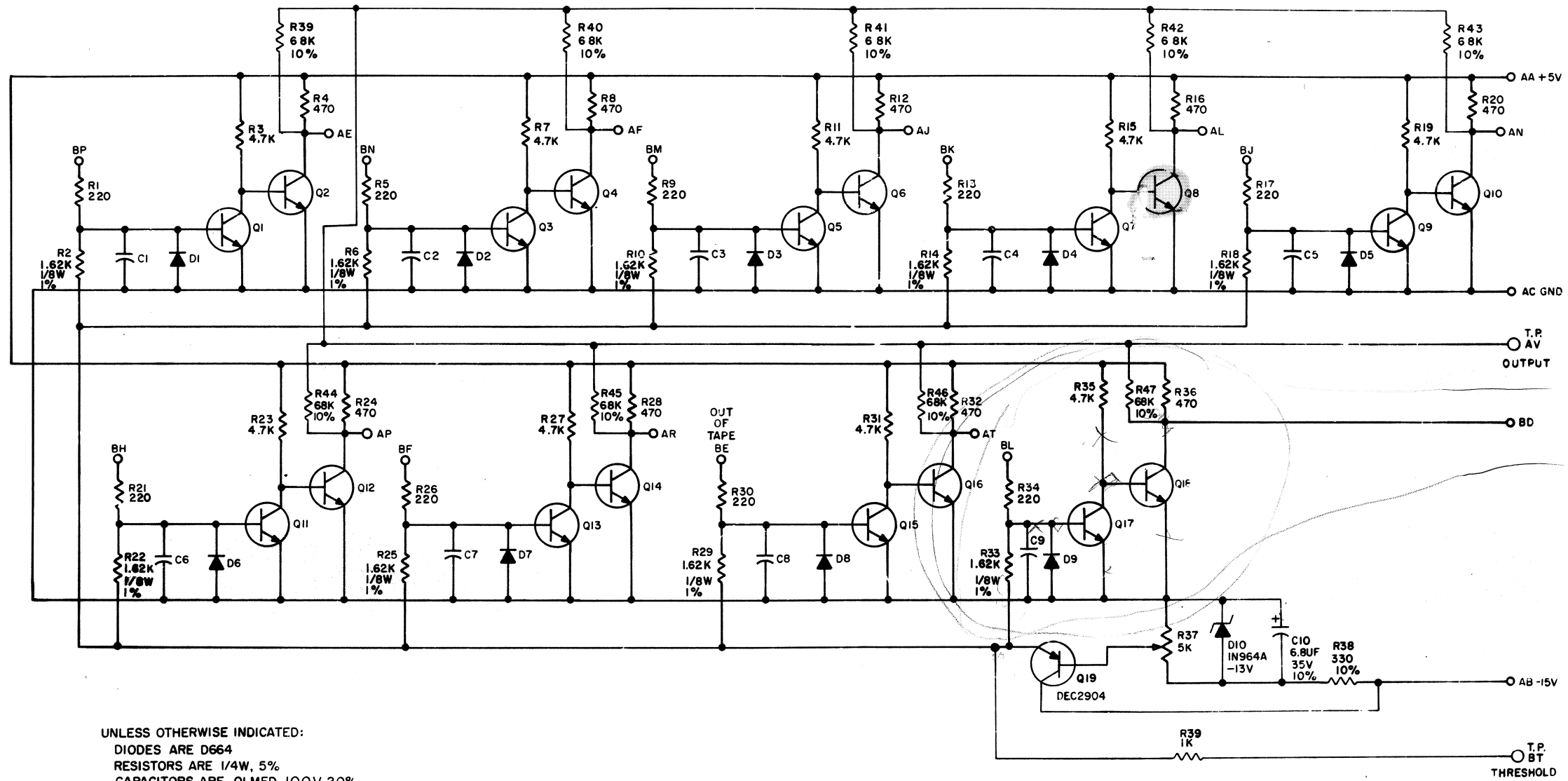
digital EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS

TITLE
DRAWING INDEX LIST PC05

SIZE CODE: **DDIPC05-0-1**
NUMBER: **Z**

8 7 6 5 4 3 2 1

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

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

DEC FORM NO. DRC 102

DRN	R. BUTLER	DATE	9/1/69
CHK'D		DATE	9/1/69
ENG.	R.O.?	DATE	9/1/69
PROD.		DATE	

TRANSISTOR & DIODE CONVERSION CHART			
DEC	EIA	DEC	EIA
2N3646	2N3009	IN964A -13V	SAME
D664	IN3606	DEC2904	2N1132

digital
 EQUIPMENT CORPORATION
 MAYNARD, MASSACHUSETTS

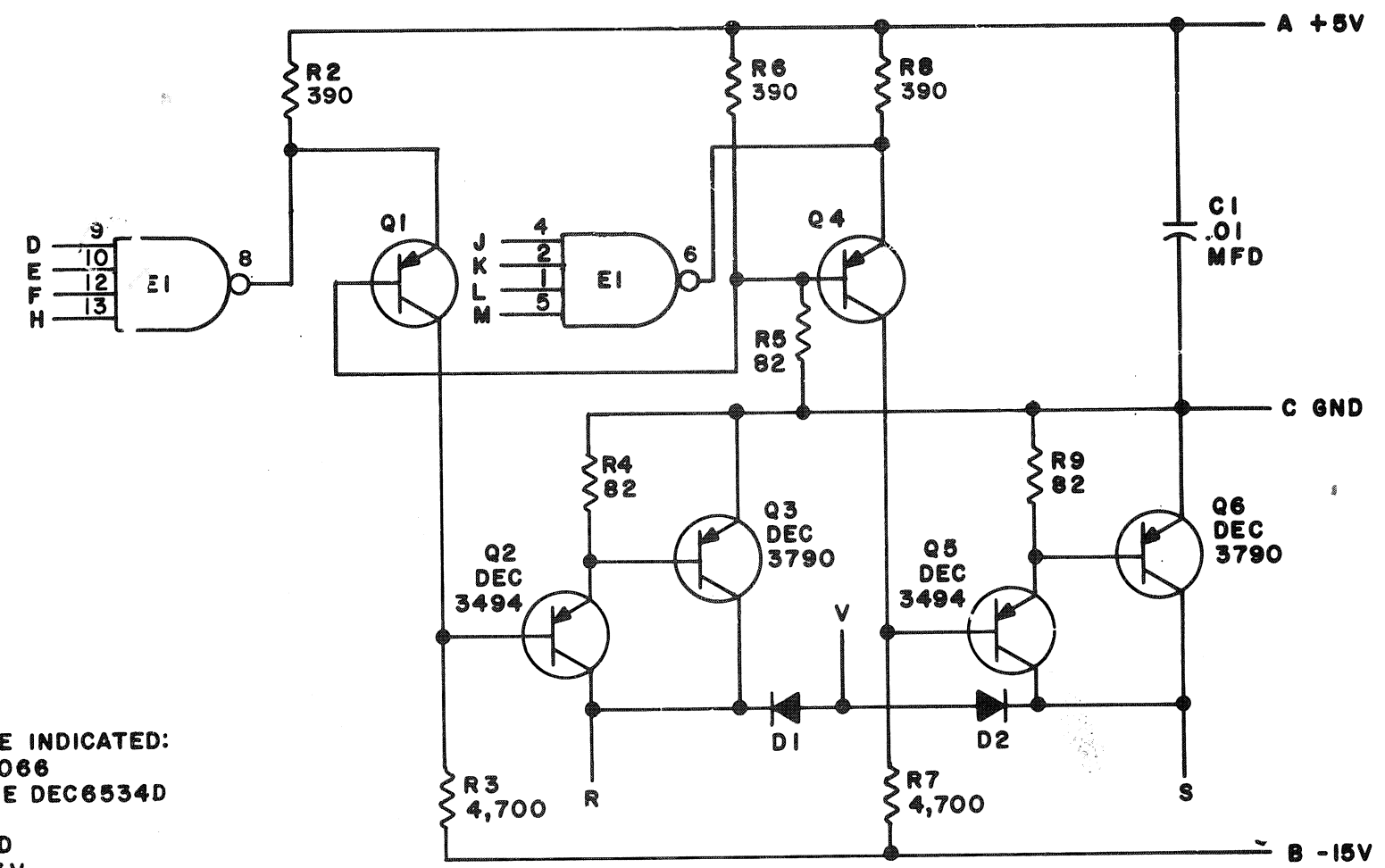
TITLE		PHOTO TRANSISTOR AMPLIFIER G918	
SIZE	CODE	NUMBER	REV.
C	CS	G918-0-1	B
PRINTED CIRCUIT REV.		D	

REV. NUMBER B

5 324 414 413 P.H.K.

REV. E
 NUMBER M040-0-1
 SIZE B
 CODE 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 1/4 W, 10%

PARTS LIST A-PL-M040-0-0

REVISIONS	CHK	CHG NO	REV
		00001	E
		00002	

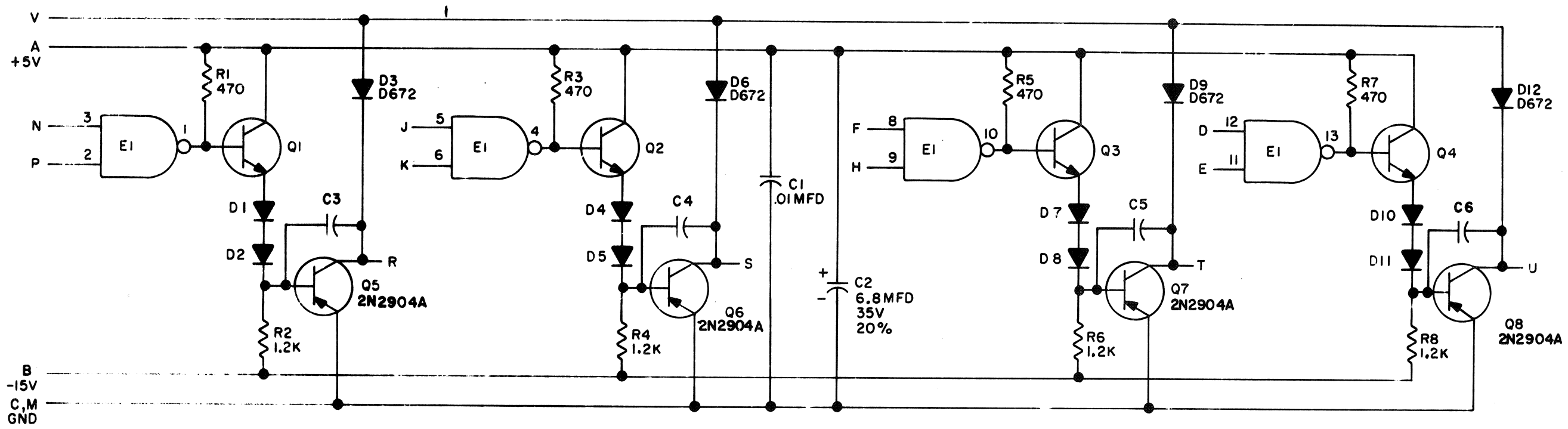
DRN.	DATE
M. Keller	9-14-67
CHK'D	DATE
	11/26/67
ENG	DATE
K. Seagr	9/14/67
PROD	DATE
4	

TRANSISTOR & DIODE CONVERSION CHART	
DEC	EIA
DEC3494	SAME
DEC3790	2N3790
DEC6534D	MPS6534
D662	1N645
MR2066	1N4003

digital
 EQUIPMENT CORPORATION
 MAYNARD, MASSACHUSETTS

TITLE			
SOLENOID DRIVER M040			
SIZE	CODE	NUMBER	REV.
B	CS	M040-0-1	E
PRINTED CIRCUIT REV.			E

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UNLESS OTHERWISE INDICATED
 RESISTORS ARE 1/4W, 10%
 DIODES ARE D664
 E1 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	B	C

DRN	DATE
CHK'D	DATE
ENG	DATE
PROD	DATE

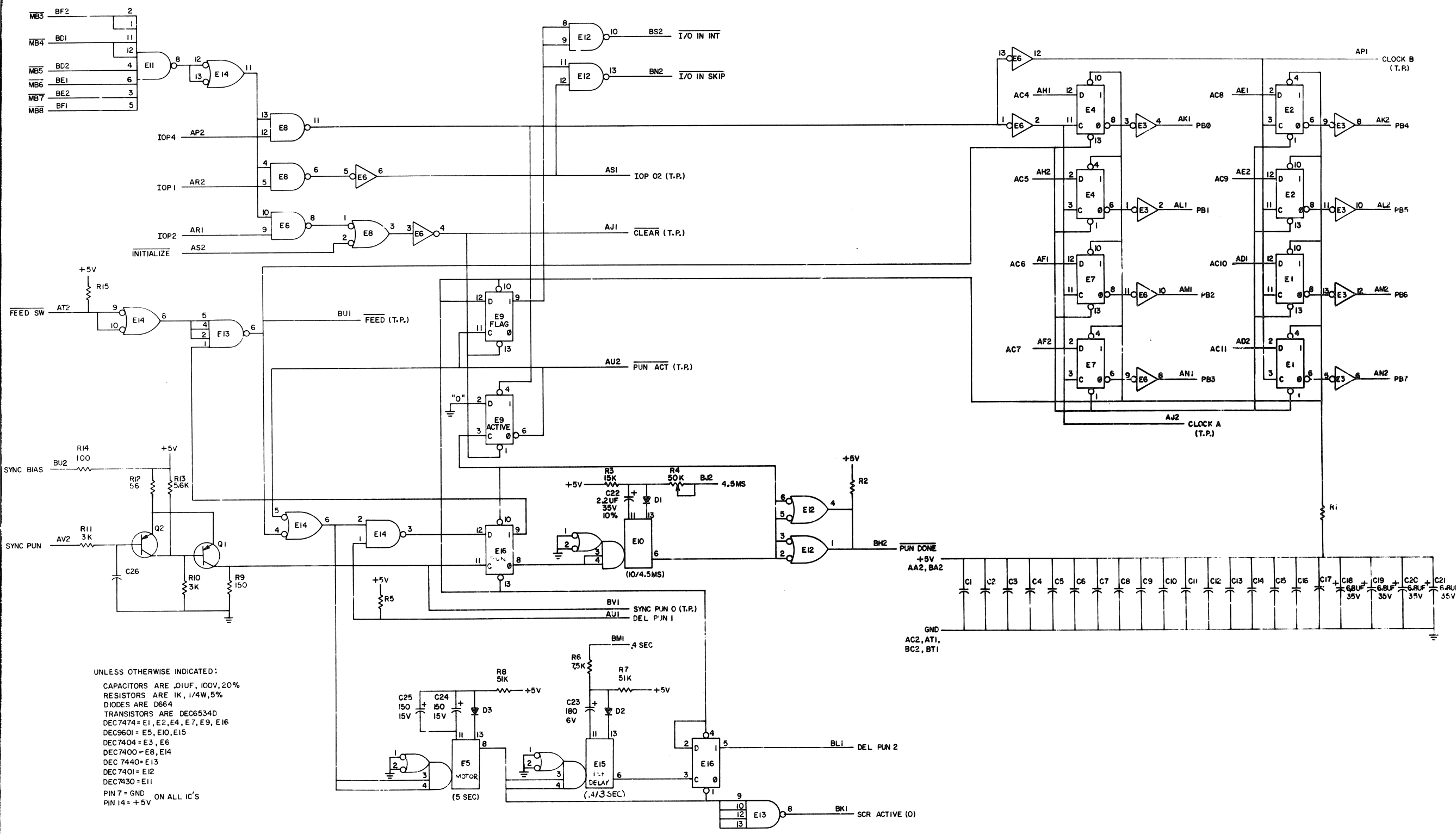
TRANSISTOR & DIODE CONVERSION CHART			
DEC		EIA	
D664	IN3606		
2N2904A	2N2904		
DEC3009B	2N3009		

digital
 EQUIPMENT CORPORATION
 MAYNARD, MASSACHUSETTS

TITLE 4-100MA SOLENOID DRIVER M044			
SIZE B	CODE CS	NUMBER M044-0-1	REV C
PRINTED CIRCUIT REV			B



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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
 DEC9601 = E5, E10, E15
 DEC7404 = E3, E6
 DEC7400 = E8, E14
 DEC7440 = E13
 DEC7401 = E12
 DEC7430 = E11
 PIN 7 = GND ON ALL IC'S
 PIN 14 = +5V

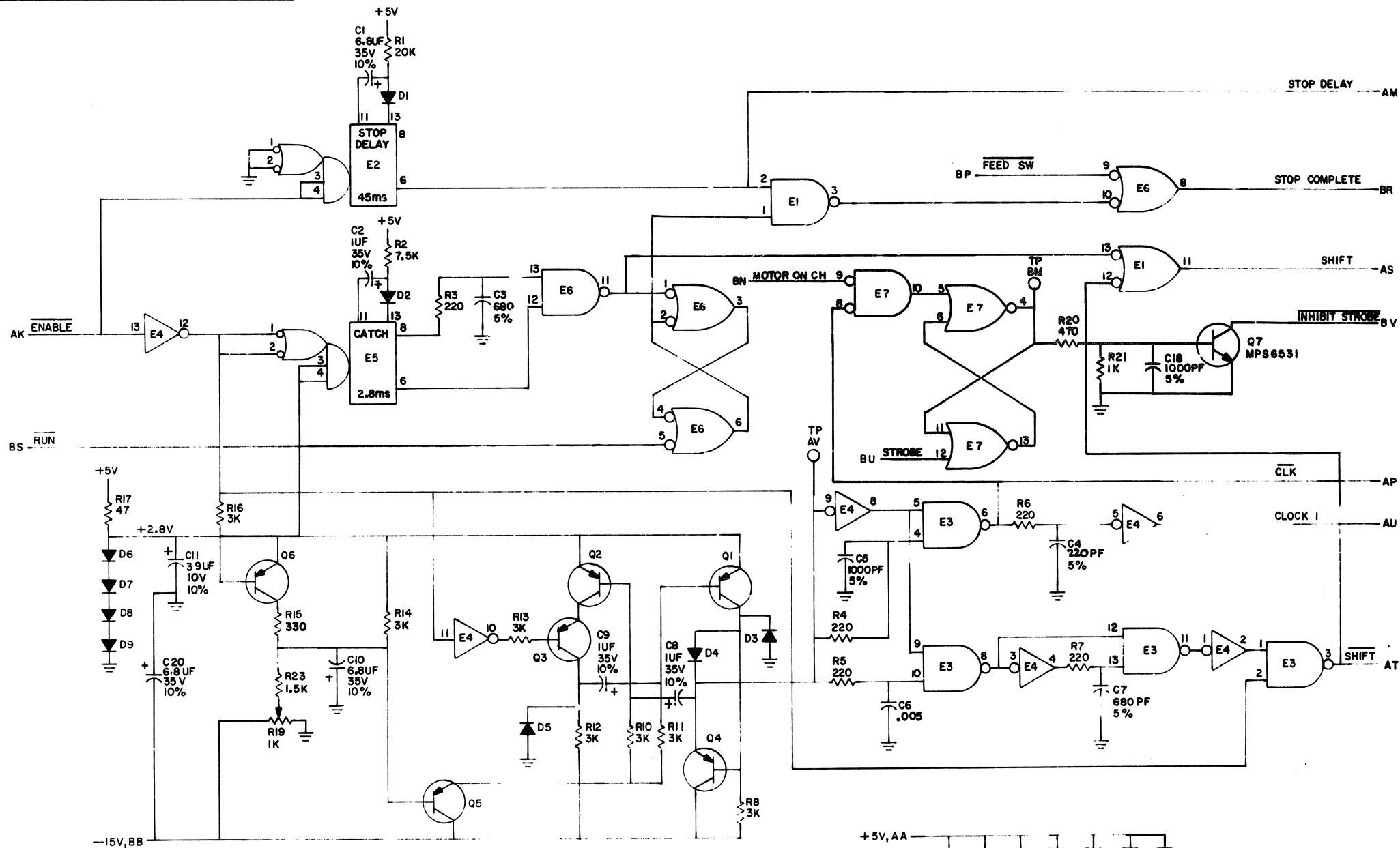
REV	DATE	BY	CHKD
1	00005	H	J
2	00006	J	K
3	00007	K	

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

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

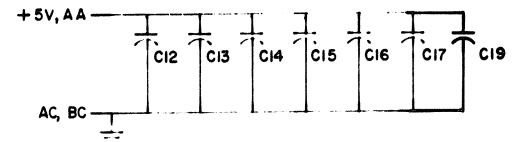
M710-0-1

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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 L
NUMBER M715-C-1
SIZE CODE C CS

REV	NO	CHG	BY
E	00002	AV	
K	00006	REV & REDR	
L	00007	& CANCELS	
	00008	ECD	

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

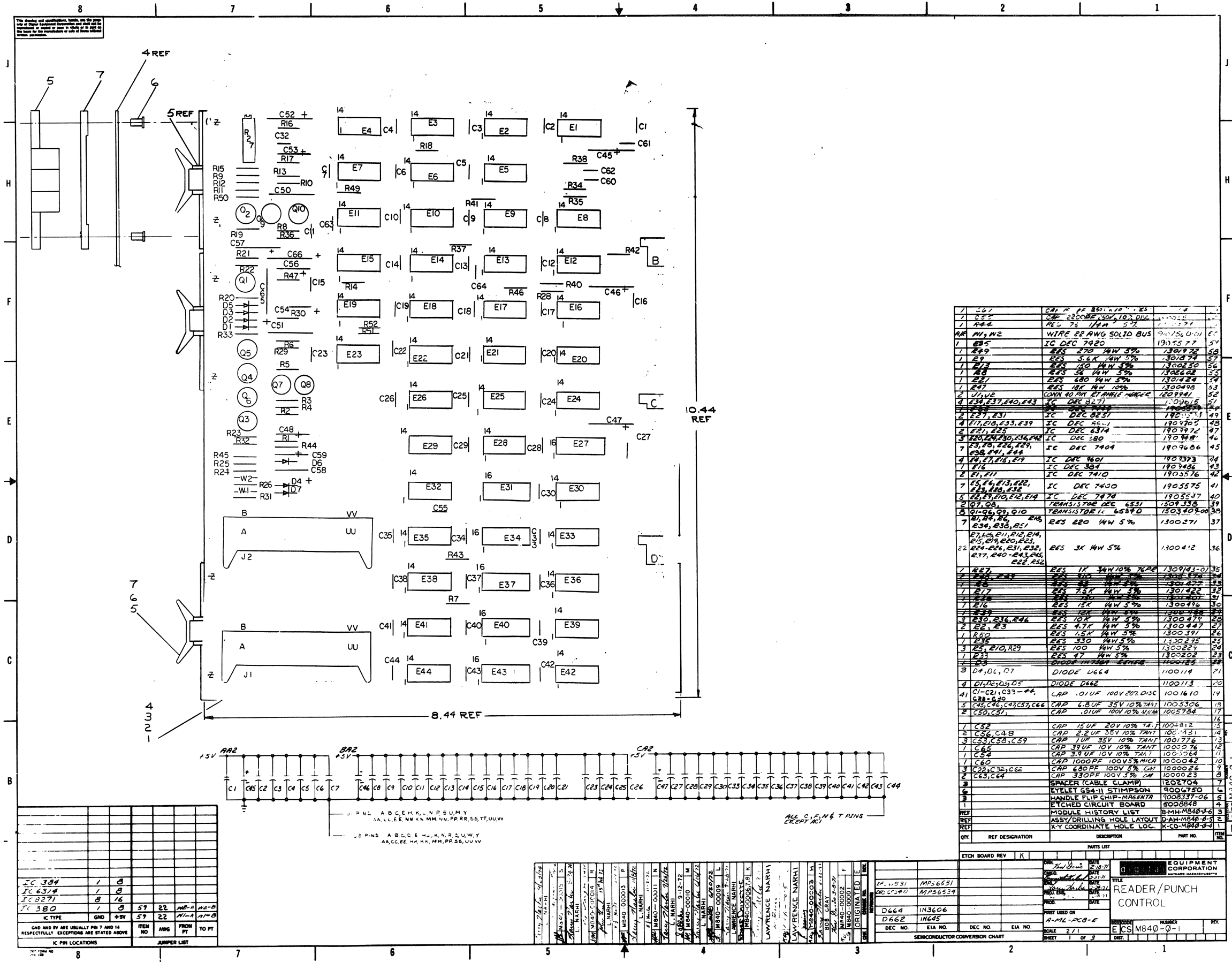
TRANSISTOR & DIODE CONVERSION CHART			
DEC	EIA	DEC	EIA
DEC6534D	MPS6534	IN758	SAME
D664	IN3606		
DEC6531	MPS6531		

digital EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS

TITLE: **READER CLOCK M715**

SIZE: C CS
NUMBER: M715-0-1
REV: L

PRINTED CIRCUIT REV: F



IC 384	1	3			
IC 637A	1	3			
IC 6271	8	16			
IC 380	1	3	59	22	MB-A MB-B
K TYPE	GND	+5V	59	22	M/A M/B
GND AND +5V ARE USUALLY PIN 7 AND 14 RESPECTIVELY. EXCEPTIONS ARE STATED ABOVE.					
IC PIN LOCATIONS					
	ITEM NO	ANG	FROM PT	TO PT	
JUMPER LIST					

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16	C17	C18	C19	C20	C21	C22	C23	C24	C25	C26	C27	C28	C29	C30	C31	C32	C33	C34	C35	C36	C37	C38	C39	C40	C41	C42	C43	C44
----	----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

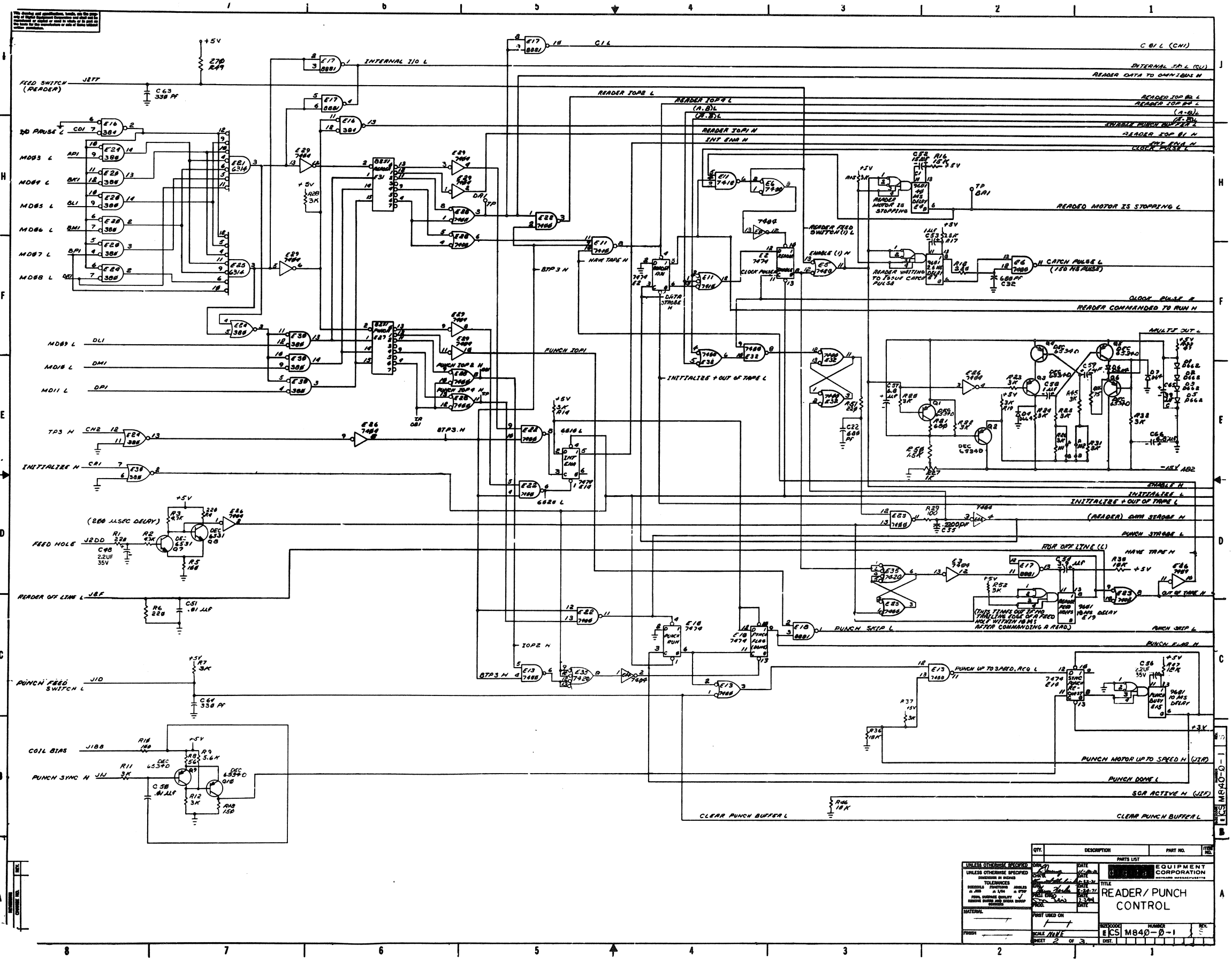
QTY.	REF DESIGNATION	DESCRIPTION	PART NO.	ITEM NO.
1	C32	CAP 15UF 20V 10% TAN	100-812	16
1	C36, C48	CAP 2.2UF 35V 10% TAN	100-131	14
1	C33, C38, C39	CAP 1UF 35V 10% TAN	100-178	13
1	C35	CAP 39UF 10V 10% TAN	100-276	12
1	C34	CAP 3.9UF 10V 10% TAN	100-1064	11
1	C60	CAP 1000PF 100V 5% MICA	1000042	10
1	C28, C36, C62	CAP 680PF 100V 5% TAN	1000028	9
1	C63, C64	CAP 330PF 100V 5% TAN	1000023	8
1		SPACER (CABLE CLAMP)	1202704	7
1		EYELET GS4-II STIMPSON	9006750	6
1		HANDLE FLIP CHIP-MAGENTA	900337-06	5
1		ETCHED CIRCUIT BOARD	8008818	4
1		MODULE HISTORY LIST	8-111-134-36	3
1		ASSY/DRILLING HOLE LAYOUT	D-AM-M840-0-1	2
1		X-Y COORDINATE HOLE LOC.	K-CO-M840-0-1	1

QTY.	REF DESIGNATION	DESCRIPTION	PART NO.	ITEM NO.
1	C52	RES 220K 1/4W 5%	1300252	51
1	R42	RES 2K 1/4W 5%	1300251	50
1	WIRE	WIRE 22 AWG SOLID BUS	901560-01	49
1	R35	RES 100K 1/4W 5%	1300257	54
1	R49	RES 270 1/4W 5%	1300772	58
1	R9	RES 5.6K 1/4W 5%	1300774	57
1	R18	RES 100 1/4W 5%	1300250	56
1	R36	RES 3K 1/4W 5%	1300255	55
1	R27	RES 680 1/4W 5%	1300259	59
1	R47	RES 18K 1/4W 10%	1300498	63
2	U1, U2	CONN 40 PIN ET ANGLE MAGENTA	1209941	52
4	E31, E37, E40, E43	IC DEC 3271	1009616	57
1	R39	RES 150 1/4W 5%	1300253	53
2	E27, E31	IC DEC 3257	1901771	49
4	E17, E20, E33, E39	IC DEC 3271	1901703	48
2	E21, E25	IC DEC 637A	1901772	47
3	R20, R24, R30, R36, R42	IC DEC 380	1901748	46
7	R3, R4, R26, R29, R34, R41, R44	IC DEC 7404	1901704	45
4	R6, R7, E16, E19	IC DEC 1601	1901757	44
1	R14	IC DEC 384	1901706	43
2	R1, E11	IC DEC 7410	1901776	42
7	E5, E6, E13, E22, E28	IC DEC 7400	1901775	41
5	E8, E10, E12, E14	IC DEC 7474	1901737	40
2	Q7, Q8	TRANSISTOR DEC 6531	1509376	39
8	Q1, Q6, Q9, Q10	TRANSISTOR IC 6537D	150340100	38
7	R12, R21, R25, R31	RES 220 1/4W 5%	1300271	37
22	R22, E15, E18, E23, E24, E26, E27, E29, E30, E32, E34, E35, E38, E41, E42, E43, E44	RES 3K 1/4W 5%	1300412	36
1	R27	RES 1K 1/4W 10% TAN	1309143-01	35
1	R32, R33	RES 10K 1/4W 5%	1300874	34
1	R28	RES 2K 1/4W 5%	1301472	33
1	E17	RES 7.5K 1/4W 5%	1301422	32
1	R38	RES 15K 1/4W 5%	1300492	30
1	R37	RES 12K 1/4W 5%	1300488	29
3	R30, R36, R42	RES 10K 1/4W 5%	1300479	28
2	E2, E3	RES 4.7K 1/4W 5%	1300447	27
1	R40	RES 15K 1/4W 5%	1300391	24
1	R43	RES 330 1/4W 5%	1300335	25
3	R23, R29, R39	RES 100 1/4W 5%	1300225	20
1	R31	RES 47 1/4W 5%	1300202	23
1	D3	DIODE IN-1807 6V	1100128	22
3	D4, D6, D7	DIODE U664	1100119	21
4	D1, D2, D5, D5	DIODE D62	1100113	20
41	C1-C21, C33-44	CAP .01UF 100V 20% DISC	1001610	14
1	C28, C30	CAP 6.8UF 35V 10% TAN	1005306	18
2	C50, C51	CAP .01UF 100V 10% MICA	1005784	17

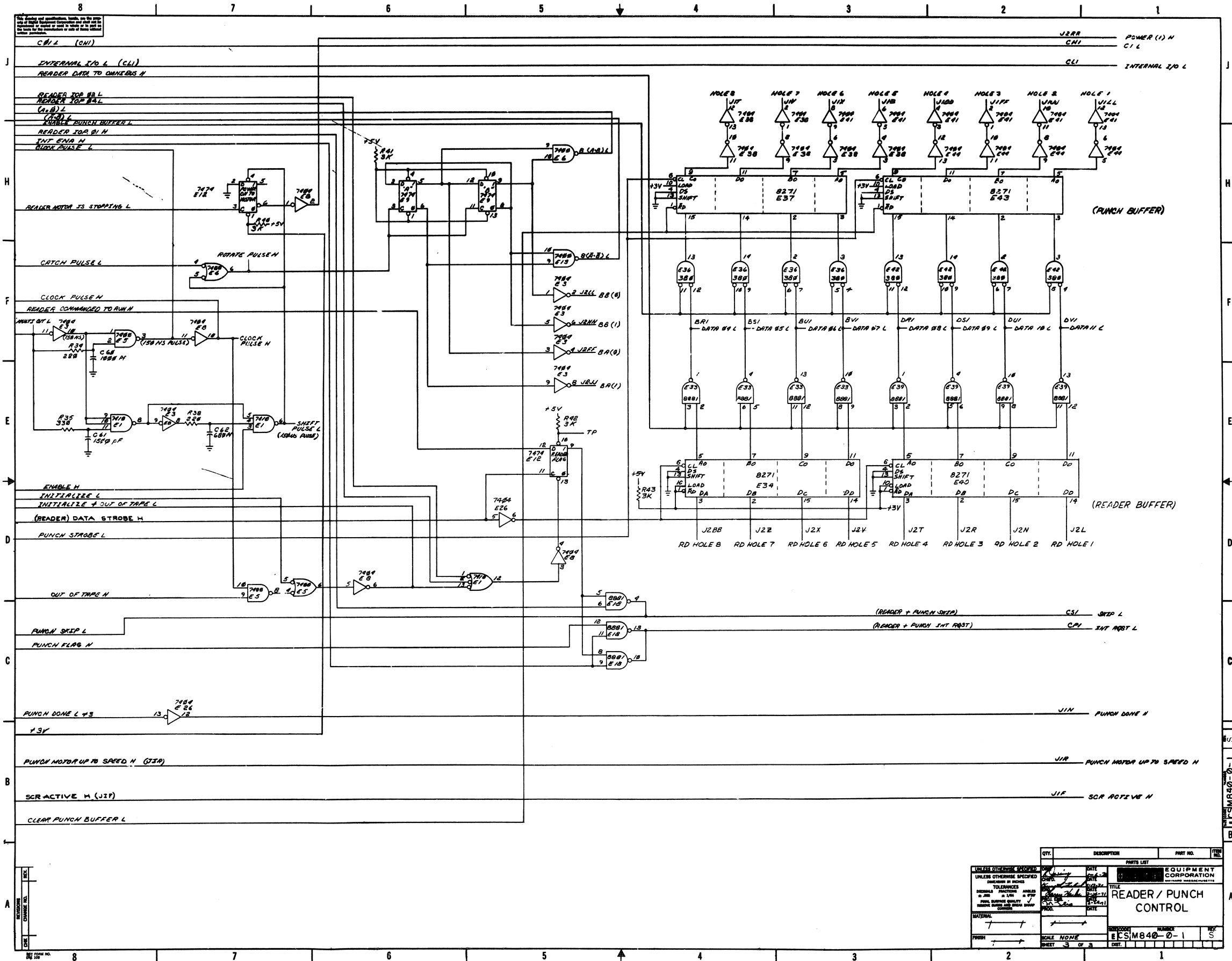
QTY.	REF DESIGNATION	DESCRIPTION	PART NO.	ITEM NO.
1	D64	IN3606		
1	D62	IN645		

SEMICONDUCTOR CONVERSION CHART

DEC NO.	EIA NO.	DEC NO.	EIA NO.



UNLESS OTHERWISE SPECIFIED
 EQUIPMENT CORPORATION
 TITLE
 READER/PUNCH CONTROL
 PART NO. ECI M840-D-1
 REV. 1



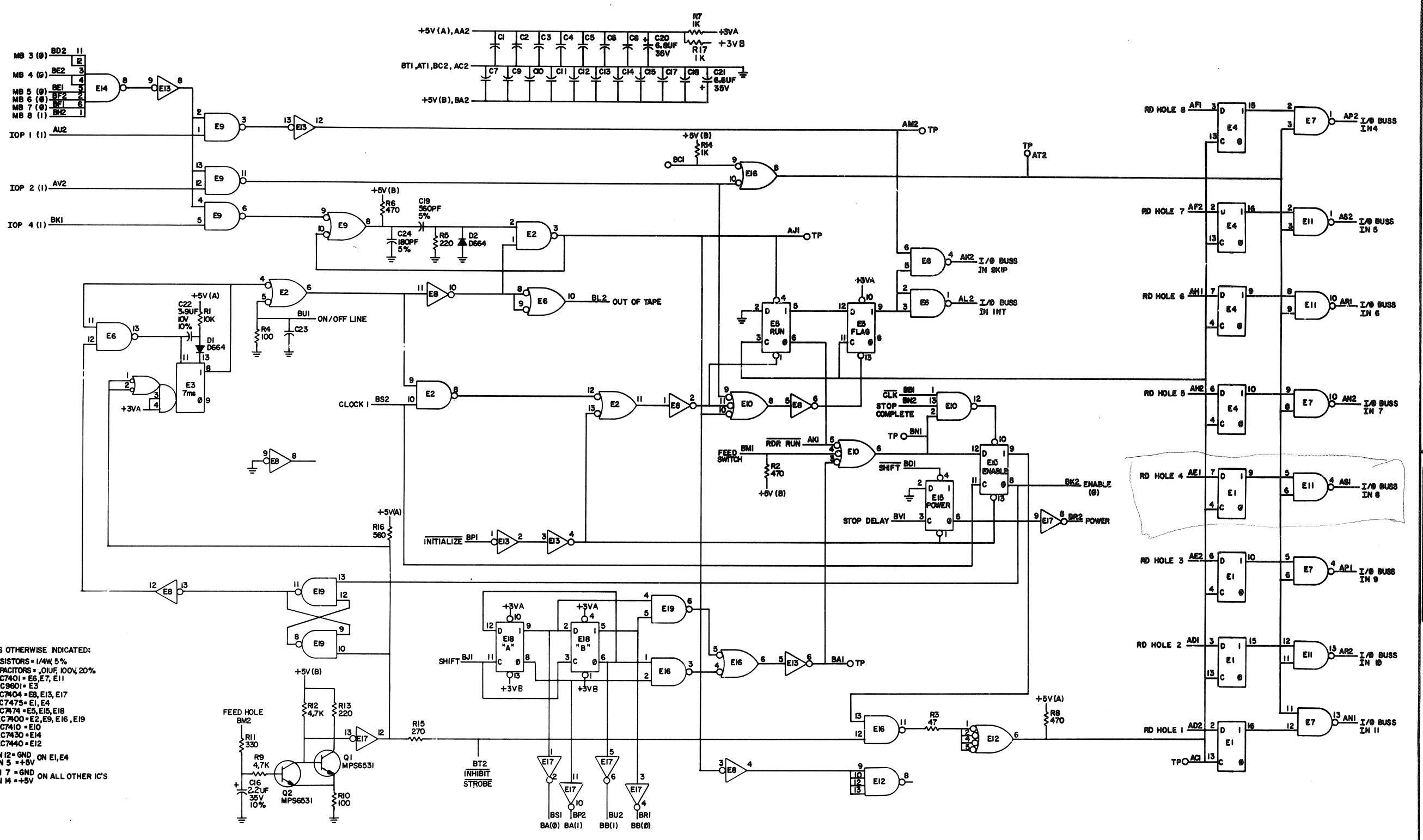
PARTS LIST			
QTY	DESCRIPTION	PART NO.	UNIT
1	8271	E37	IC
1	8271	E39	IC
8	7494	J38	IC
3	7494	E3	IC
2	7494	E26	IC
1	7474	E12	IC
1	7474	E26	IC
1	7494	E3	IC
1	7494	E10	IC
1	7494	E12	IC
1	7494	E13	IC
1	7494	E15	IC
1	7494	E18	IC
1	7494	E19	IC
1	7494	E20	IC
1	7494	E21	IC
1	7494	E22	IC
1	7494	E23	IC
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1	7494	E25	IC
1	7494	E27	IC
1	7494	E28	IC
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1	7494	E94	IC
1	7494	E95	IC
1	7494	E96	IC
1	7494	E97	IC
1	7494	E98	IC
1	7494	E99	IC
1	7494	E100	IC

READER / PUNCH CONTROL

8ECSM840-0-1

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0 1-0-090LW 10 8



UNLESS OTHERWISE INDICATED:
 RESISTORS - 1/4W 5%
 CAPACITORS - 0.1UF 100V 20%
 DEC7401 = E5, E7, E11
 DEC9601 = E3
 DEC7404 = E8, E13, E17
 DEC7475 = E1, E4
 DEC7474 = E5, E15, E18
 DEC7400 = E2, E9, E16, E19
 DEC7410 = E10
 DEC7450 = E14
 DEC7440 = E12
 PIN 12 = GND ON E1, E4
 PIN 5 = +5V
 PIN 7 = GND ON ALL OTHER IC'S
 PIN 14 = +5V

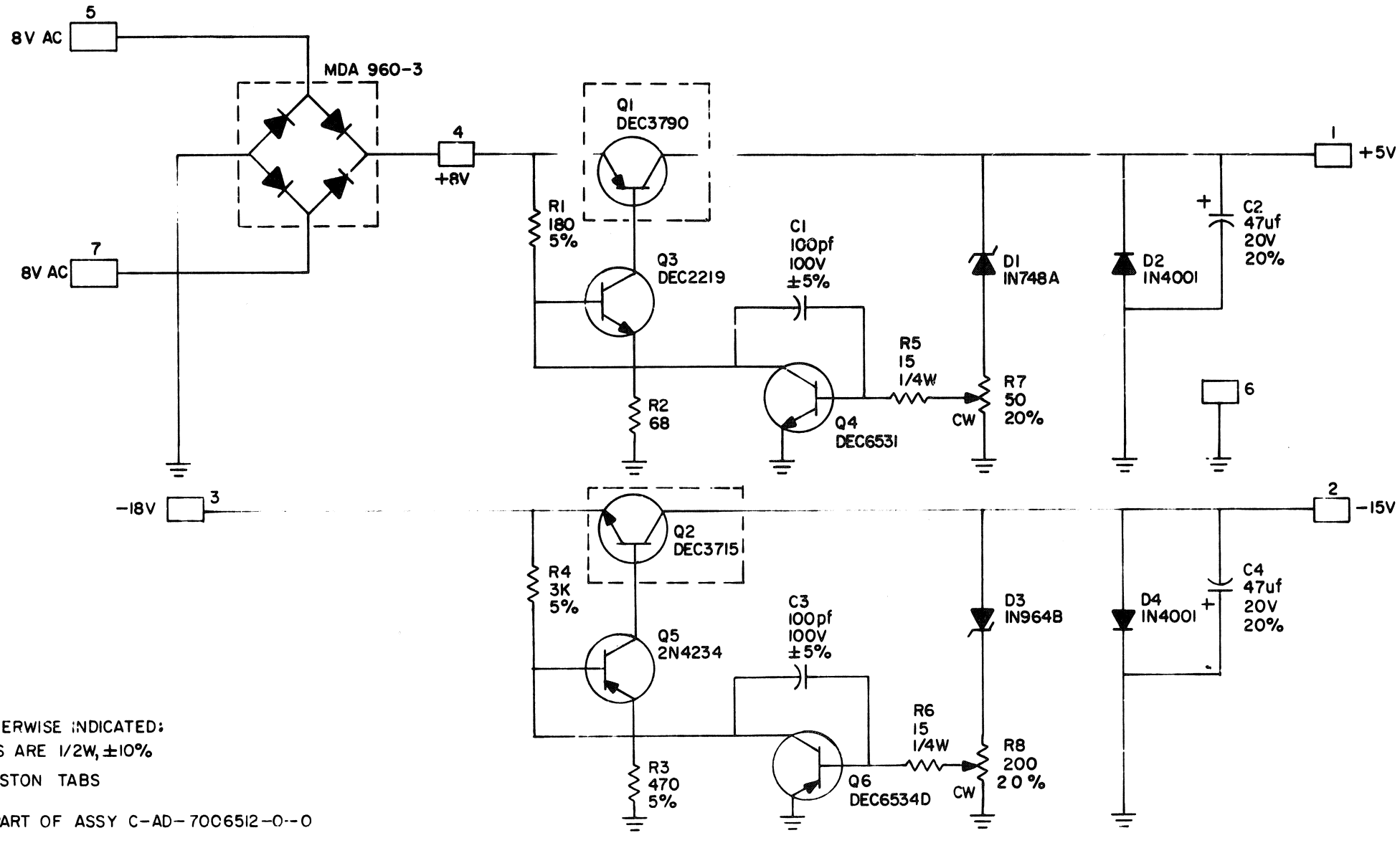
REV	DATE	BY	CHKD
1	11/17/77
2	12/22/77
3	1/11/78

TRANSISTOR & DIODE CONVERSION CHART			
DEC	EIA	DEC	EIA
7400	100	7401	101
7402	102	7403	103
7404	104	7405	105
7406	106	7407	107
7408	108	7409	109
7410	110	7411	111
7412	112	7413	113
7414	114	7415	115
7416	116	7417	117
7418	118	7419	119
7420	120	7421	121
7422	122	7423	123
7424	124	7425	125
7426	126	7427	127
7428	128	7429	129
7430	130	7431	131
7432	132	7433	133
7434	134	7435	135
7436	136	7437	137
7438	138	7439	139
7440	140	7441	141
7442	142	7443	143
7444	144	7445	145
7446	146	7447	147
7448	148	7449	149
7450	150	7451	151
7452	152	7453	153
7454	154	7455	155
7456	156	7457	157
7458	158	7459	159
7460	160	7461	161
7462	162	7463	163
7464	164	7465	165
7466	166	7467	167
7468	168	7469	169
7470	170	7471	171
7472	172	7473	173
7474	174	7475	175
7476	176	7477	177
7478	178	7479	179
7480	180	7481	181
7482	182	7483	183
7484	184	7485	185
7486	186	7487	187
7488	188	7489	189
7490	190	7491	191
7492	192	7493	193
7494	194	7495	195
7496	196	7497	197
7498	198	7499	199
7500	200		

TITLE		READER CONTROL	
SIZE	CS	NUMBER	M7050-0-1
REV	E	DATE	
EQUIPMENT CORPORATION		PRINTED CIRCUIT REV	

M7050-0-1

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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	DATE
WALLY MOORE	7/8/70
CHK'D	DATE
ENG	DATE
PROD	DATE

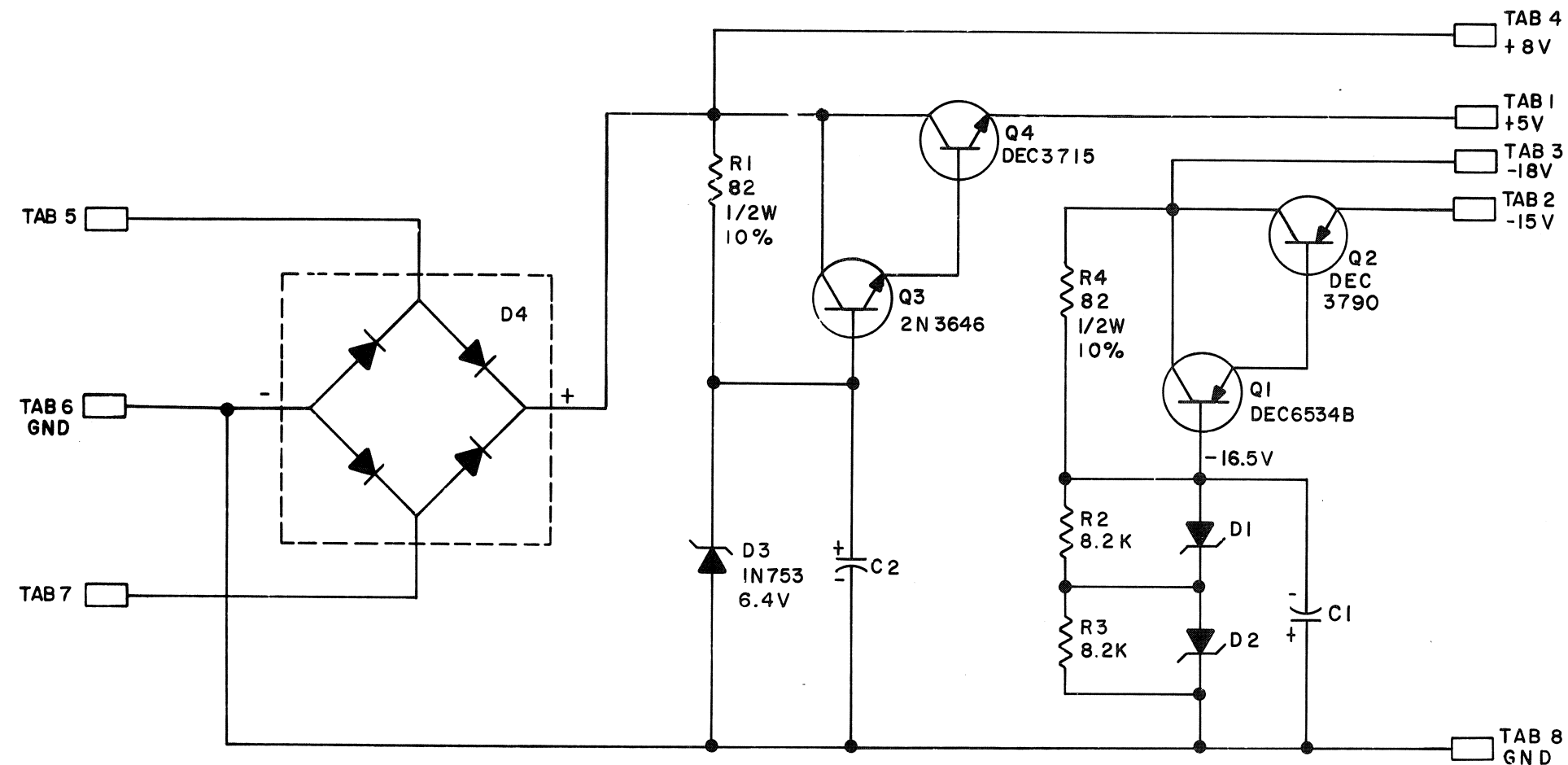
TRANSISTOR & DIODE CONVERSION CHART			
DEC	EIA	DEC	FIA
DEC3790-2	2N3790	DEC653I	MPS653I
DEC2219	2N2219	IN748A	SAME
DEC3715	2N3715	IN964B	SAME
2N4234	2N4234	IN400I	SAME
DEC6534D	MP96534		



TITLE		PCO REGULATOR	
		5408918	
SIZE	CODE	NUMBER	REV
B	CS	5408918-0-1	A
PRINTED CIRCUIT REV			B

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 1/4 W 5%
 TABS ARE AMP 41290

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

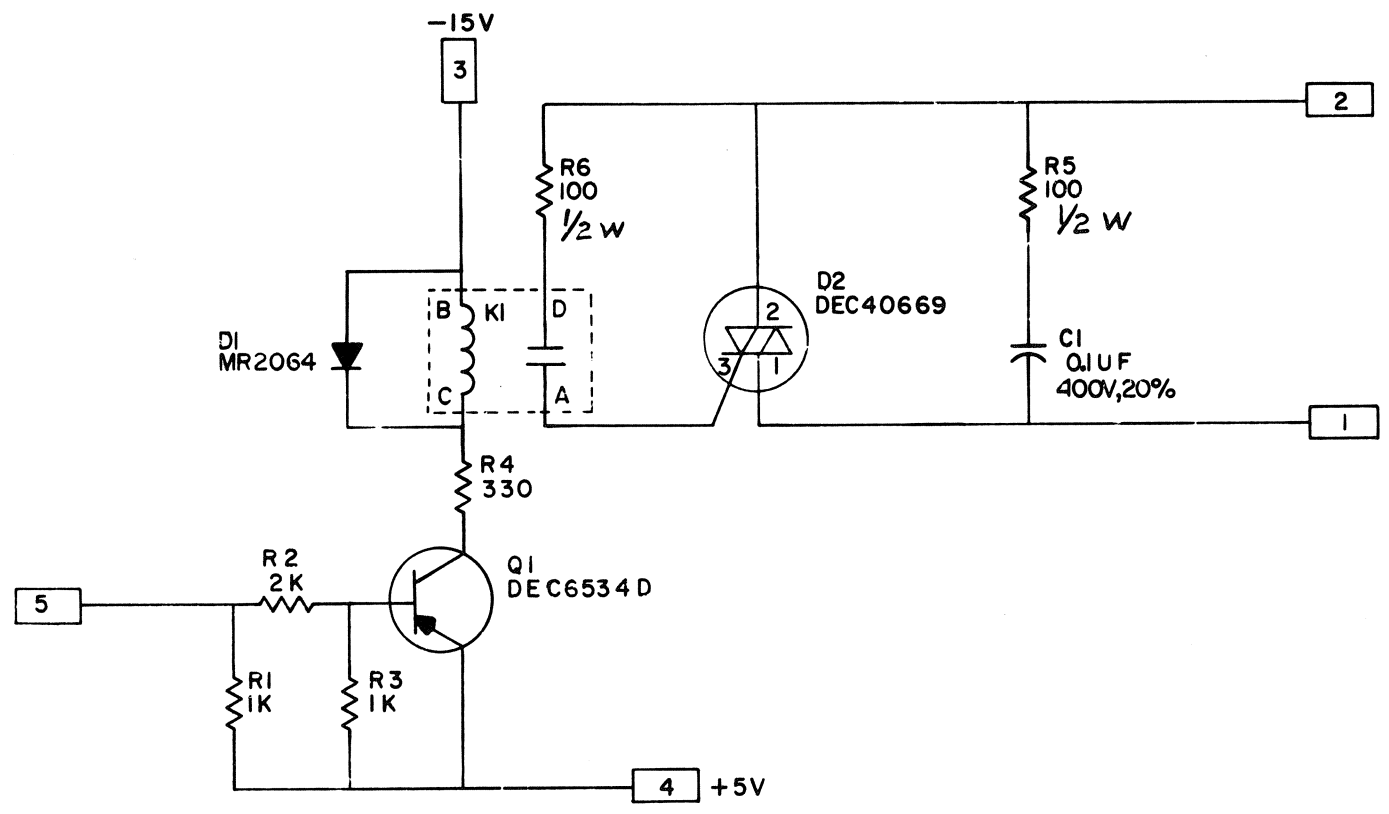
DRN <i>R. F. ...</i>	DATE 3-31-69
CHK'D <i>M. ...</i>	DATE 4-1-69
ENG <i>...</i>	DATE 2-14-69
PROD.	DATE

TRANSISTOR & DIODE CONVERSION CHART			
DEC	EIA	DEC	EIA
IN753	SAME	2N3646	2N3009
IN756A	SAME		
DEC3790	2N3790		
DEC6534B	MPS6534		
DEC3715	NONE		

digital
 EQUIPMENT CORPORATION
 MAYNARD, MASSACHUSETTS

TITLE PCO POWER SUPPLY REGULATOR 5408308			
SIZE B	CODE CS	NUMBER 5408308-0-1	REV. C
PRINTED CIRCUIT REV.			D

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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		DRN	DATE	TRANSISTOR & DIODE CONVERSION CHART		 EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS	TITLE				
	REV & REDR	00001	B		M. HALLER	6-20-69	DEC	EIA		DEC	FIA	TRIAC SW ASSY (PC05)		
					T.A. NALETTE	6-24-69				DEC6534D	MPS6534	SIZE	CODE	NUMBER
					G. BECKNER	11-19-69						B	CS	5408384-0-1
				PROD							PRINTED CIRCUIT REV	B		

8

7

6

5

4

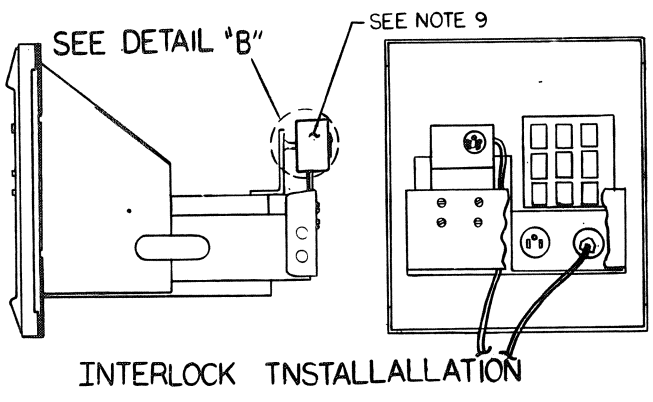
3

2

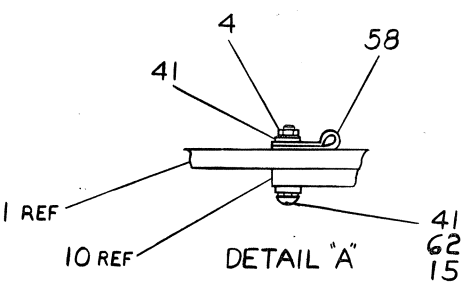
1

0-0-0001/UA/2

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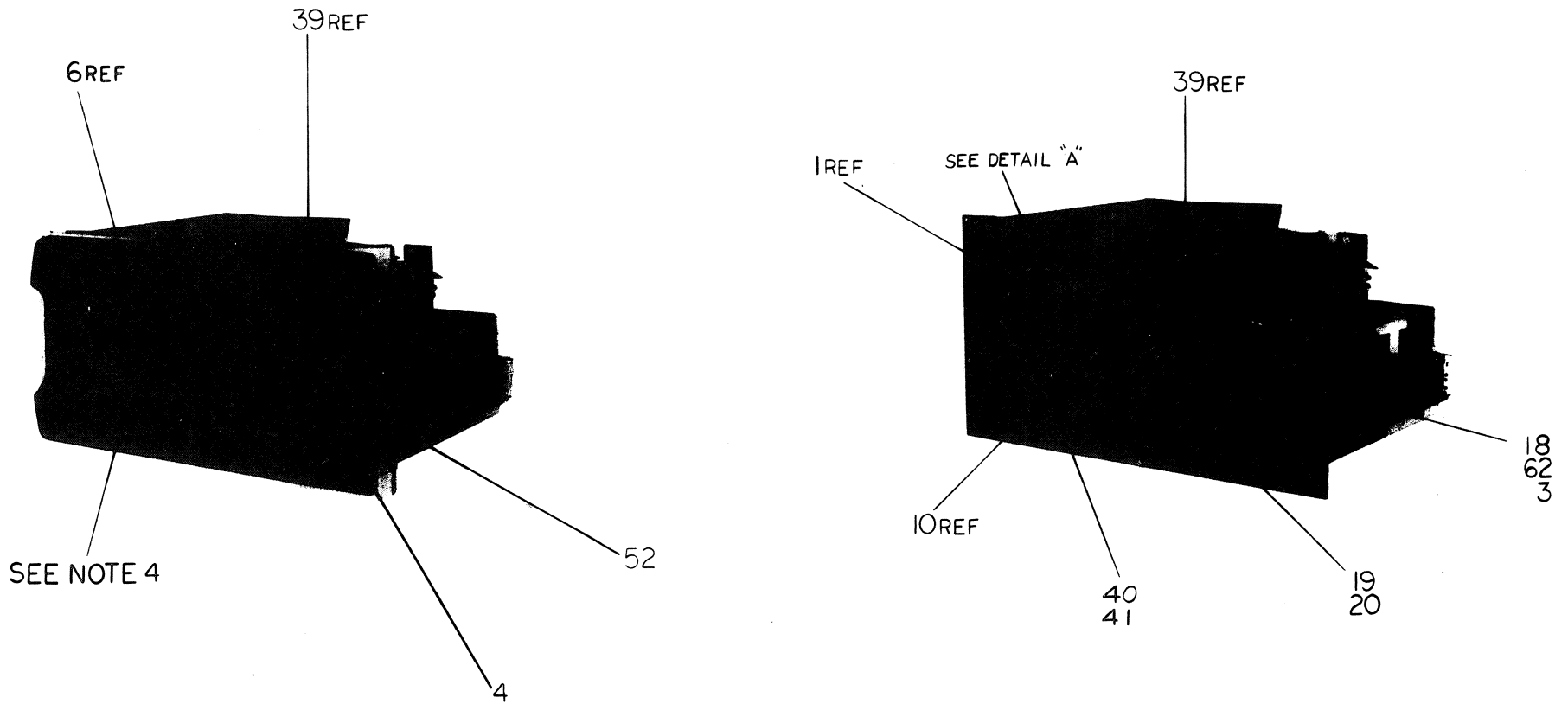
INTERLOCK INSTALLATION



DETAIL "A"

LEGEND		
MODEL	VARIATION	
	CY	COMPOSITION
PC05-C	60	READER PUNCH & DRIVER
PC05-CA	50	READER PUNCH & DRIVER
PC05-P	60	PUNCH
PC05-PA	50	PUNCH
PC05-R		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. PLACE CABLE IN POSITION IN TALL CLAMP 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.
 9. ATTACH POWER INTERLOCK TO REAR OF STATIONARY SECTION OF CHASSIS TRACKS. INSERT CORD FROM POWER INTERLOCK INTO JACK (H1) IN THE REAR OF THE PC05. SYSTEM POWER SHALL BE SUPPLIED TO POWER INTERLOCK.



SEE NOTE 4

REV.	CHANGED BY	DATE	DESCRIPTION
1	G. BECKNER	10-1-69	REVISED
2	G. BECKNER	10-1-69	REVISED
3	G. BECKNER	10-1-69	REVISED
4	G. BECKNER	10-1-69	REVISED
5	G. BECKNER	10-1-69	REVISED
6	G. BECKNER	10-1-69	REVISED
7	G. BECKNER	10-1-69	REVISED
8	G. BECKNER	10-1-69	REVISED
9	G. BECKNER	10-1-69	REVISED
10	G. BECKNER	10-1-69	REVISED
11	G. BECKNER	10-1-69	REVISED
12	G. BECKNER	10-1-69	REVISED
13	G. BECKNER	10-1-69	REVISED
14	G. BECKNER	10-1-69	REVISED
15	G. BECKNER	10-1-69	REVISED
16	G. BECKNER	10-1-69	REVISED
17	G. BECKNER	10-1-69	REVISED
18	G. BECKNER	10-1-69	REVISED
19	G. BECKNER	10-1-69	REVISED
20	G. BECKNER	10-1-69	REVISED
21	G. BECKNER	10-1-69	REVISED
22	G. BECKNER	10-1-69	REVISED
23	G. BECKNER	10-1-69	REVISED
24	G. BECKNER	10-1-69	REVISED
25	G. BECKNER	10-1-69	REVISED
26	G. BECKNER	10-1-69	REVISED
27	G. BECKNER	10-1-69	REVISED
28	G. BECKNER	10-1-69	REVISED
29	G. BECKNER	10-1-69	REVISED
30	G. BECKNER	10-1-69	REVISED
31	G. BECKNER	10-1-69	REVISED
32	G. BECKNER	10-1-69	REVISED
33	G. BECKNER	10-1-69	REVISED
34	G. BECKNER	10-1-69	REVISED
35	G. BECKNER	10-1-69	REVISED
36	G. BECKNER	10-1-69	REVISED
37	G. BECKNER	10-1-69	REVISED
38	G. BECKNER	10-1-69	REVISED
39	G. BECKNER	10-1-69	REVISED
40	G. BECKNER	10-1-69	REVISED
41	G. BECKNER	10-1-69	REVISED
42	G. BECKNER	10-1-69	REVISED
43	G. BECKNER	10-1-69	REVISED
44	G. BECKNER	10-1-69	REVISED
45	G. BECKNER	10-1-69	REVISED
46	G. BECKNER	10-1-69	REVISED
47	G. BECKNER	10-1-69	REVISED
48	G. BECKNER	10-1-69	REVISED
49	G. BECKNER	10-1-69	REVISED
50	G. BECKNER	10-1-69	REVISED

QTY.	DESCRIPTION	PART NO.	ITEM NO.
	PC05		
	UNLESS OTHERWISE SPECIFIED		
	UNLESS OTHERWISE SPECIFIED		
	TOLERANCES		
	DECIMALS FRACTIONS ANGLES		
	±.005 = 1/64 = 0°30'		
	FINAL SURFACE QUALITY		
	REMOVE BURRS AND BREAK SHARP		
	CC NERS		
	MATERIAL		
	FINISH		
	SCALE		
	SHEET		

digital EQUIPMENT CORPORATION
MAYNARD MASSACHUSETTS

TITLE: PC05 READER AND PUNCH

SIZE CODE: D UA
NUMBER: PC05-0-0
REV: V

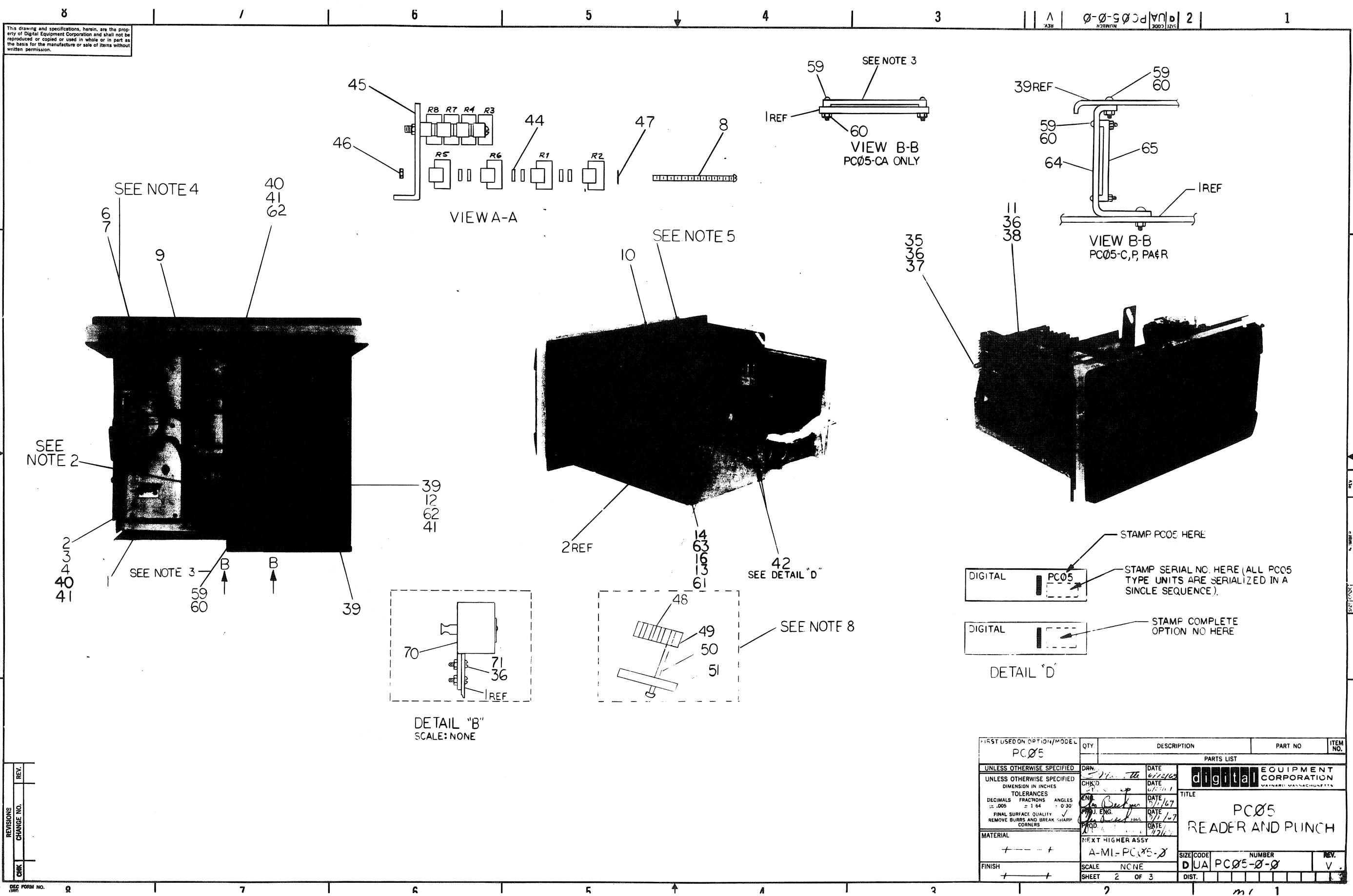
SHEET 1 OF 3

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PC05-0-0
REV. 2
DATE 6/12/69

D
C
B
A

D
C
B
A



STAMP PC05 HERE

STAMP SERIAL NO. HERE (ALL PC05 TYPE UNITS ARE SERIALIZED IN A SINGLE SEQUENCE).

STAMP COMPLETE OPTION NO HERE

DETAIL "D"

FIRST USED ON OPTION/MODEL		QTY	DESCRIPTION	PART NO	ITEM NO.
PC05					
PARTS LIST					
UNLESS OTHERWISE SPECIFIED			DRN	DATE	6/12/69
UNLESS OTHERWISE SPECIFIED			CHK'D	DATE	6/12/69
UNLESS OTHERWISE SPECIFIED			ENG	DATE	6/12/69
UNLESS OTHERWISE SPECIFIED			PROD	DATE	7/1/69
UNLESS OTHERWISE SPECIFIED			FINISH	DATE	7/1/69
UNLESS OTHERWISE SPECIFIED			SCALE	NCNE	
UNLESS OTHERWISE SPECIFIED			SHEET	2 OF 3	
UNLESS OTHERWISE SPECIFIED			SIZE CODE	DUA	
UNLESS OTHERWISE SPECIFIED			NUMBER	PC05-0-0	
UNLESS OTHERWISE SPECIFIED			REV.	V	
UNLESS OTHERWISE SPECIFIED			DIST.		

REV.	CHANGE NO.

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TRIAC DRIVER WIRE LIST

JUMPER CONNECTIONS			
WIRE	COLOR	CONNECTION	REMARKS
HARN WIRE #9	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	TS-6	SEE NOTE 2 SHEET 1
GY/RED	8	DO NOT CONNECT	SEE NOTE 5
BLK	15	B12C2 (GND)	
WHT	16	AØ5T2	

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	BØ4M1	
WHT/BLK	12	B11A2(+5)	
WHT/YEL	13	A11T1	
BRN	14	BØ4U1	
GY/RED	8	R9 TAB	LAMP RESISTOR

HARNESS CONNECTIONS

COLOR	WIRE NO.	LOCATION	REMARKS
BLK	27	GND LUG	LOGIC GND
GY/YEL	29	A12B2	
GRN	31	AØ8V2	
BLK	28	GND LUG	LOGIC GND
GY/RED	30	A12A2	
GRN	32	A1ØV2	
BLK *18	38	CI(-)	
	39	LAMP *B	

JUMPER CONNECTIONS

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

JUMPER CONNECTIONS

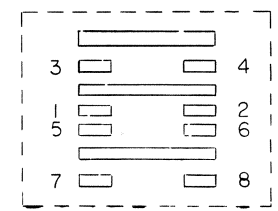
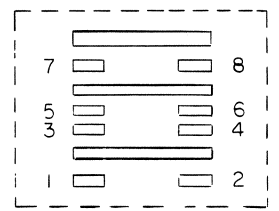
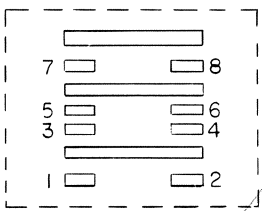
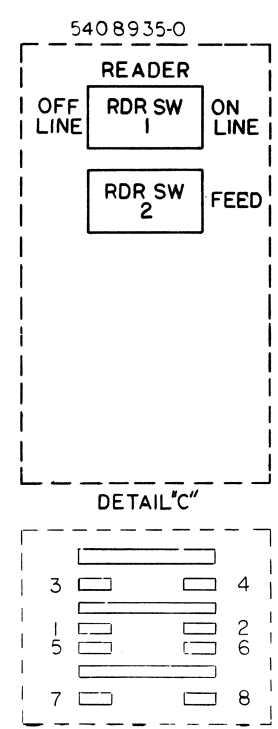
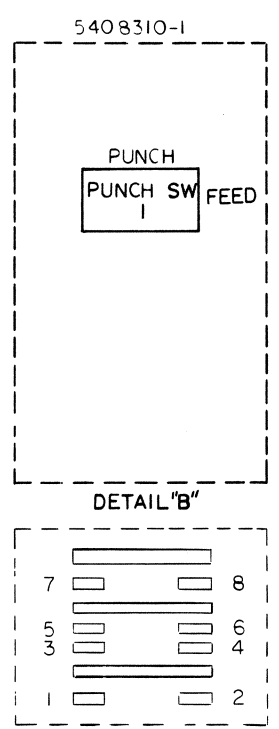
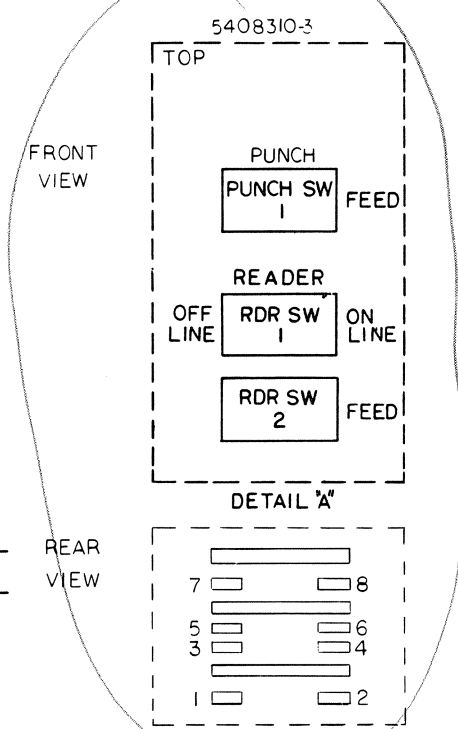
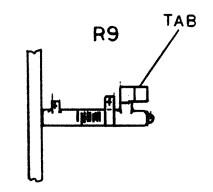
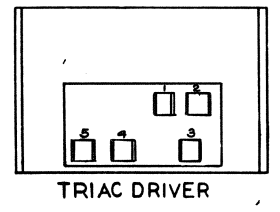
WIRE	CONNECTIONS				
ITEM NO.	COLOR	TYPE ITEM	FROM *	TO	TYPE ITEM
27	WHT/VIO	NONE	R1 & R2	TS-1	26
28	WHT/YEL		R3 & R4	TS-2	26
29	WHT/ORN		R5 & R6	TS-3	26
30	WHT/BRN		R7 & R8	TS-4	26
31	VIO		R1	BØØR2	NONE
31	VIO		R2	BØØS2	
32	YEL		R3	BØ7R2	
32	YEL		R4	BØ7S2	
33	ORN		R5	A1ØR2	
33	ORN		R6	A1ØS2	
34	BRN		R7	AØ9R2	
34	BRN	NONE	R8	AØ9S2	NONE

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

* 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	



EXTERNAL COMPONENT TABLE

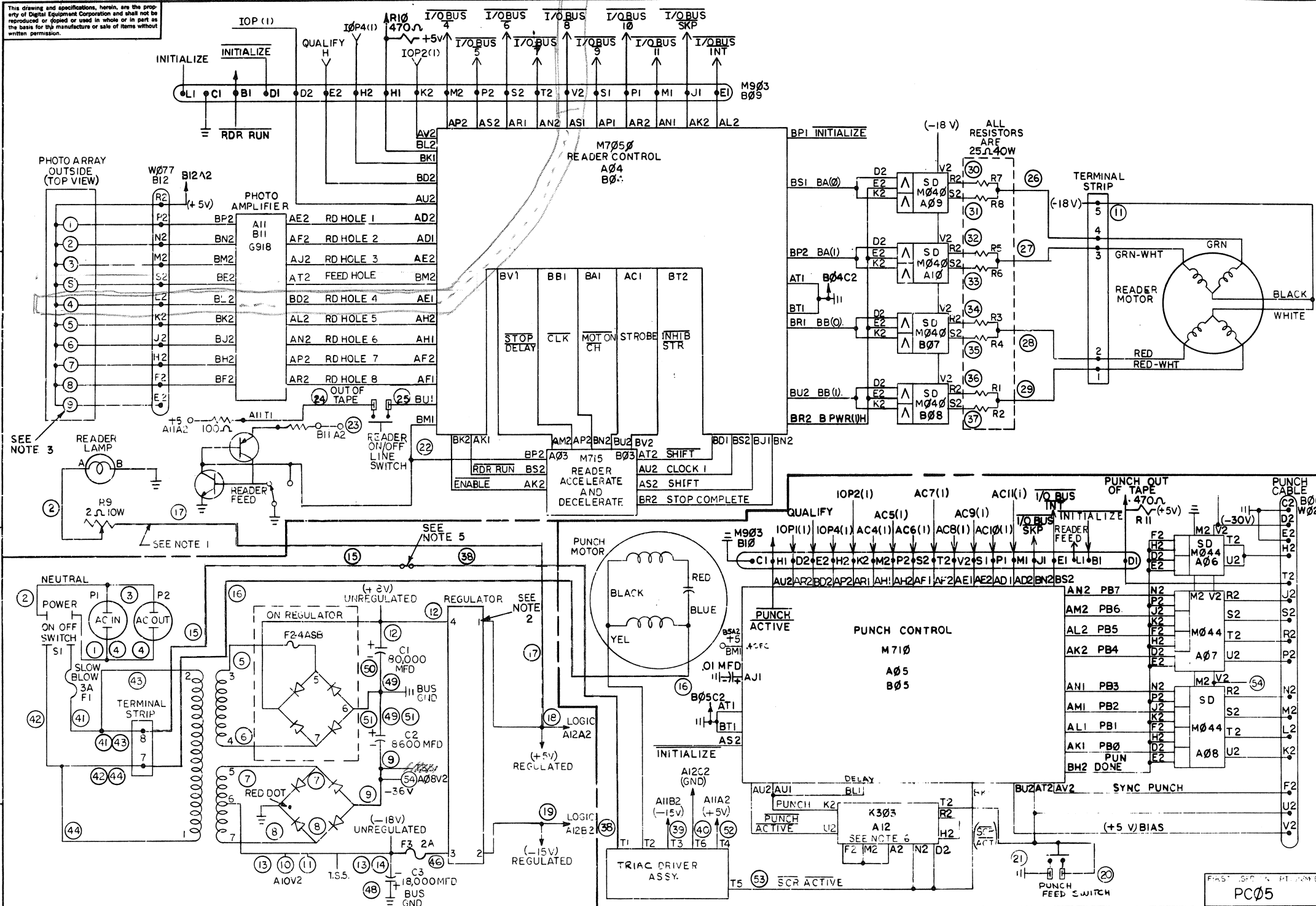
ITEM	COMP	POL	FROM	TO	POL	REMARKS
66	CAP	+	AØ3A2	AØ1C2	-	
66	CAP	+	BØ1C2	BØ3B2	-	
67	CAP	+	AØ5J1	AØ5C2	-	
68	RES		BØ9H1	BØ9A2		
68	RES		B1ØD1	B1ØA2		
69	RES		A11T1	A11A2		

FIRST USED ON OPTION/MODEL PCØ5	QTY.	DESCRIPTION	PART NO.	ITEM NO.
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES TOLERANCES DECIMALS FRACTIONS ANGLES ± .005 ± 1/64 ± 0°20'				
FINAL SURFACE QUALITY REMOVE BURRS AND BREAK SHARP CORNERS				
MATERIAL	NEXT NUMBER ASSY			
FINISH	SCALE NONE			
SHEET 3 OF 3		DUA PCØ5-0-0		REV. V

digital EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS

PCØ5
READER AND PUNCH

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- 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	VIOLET
14	GREEN	37	VIOLET
15	RED	38	RED
16	WHITE	39	WHITE-BLUE
17	GRAY-RED	40	WHITE-GREEN
18	GRAY-RED	41	RED
19	GRAY-YELLOW	42	WHITE
20	WHITE	43	RED
21	BLACK	44	WHITE
22	YELLOW		
23	WHITE-BLACK	45	GREEN
48 THRU 51	BLACK	47	GRAY-RED
52	GREEN	53	RED
54	BLUE		

LEGEND

CONNECTIONS	MODEL	PC05-C	PC05-P	PC05-R
PWR SUP TO READER	PC05-CA	PC05-PA	PC05-RA	SAME AS PC05-C
PWR SUP TO PUNCH	PC05-CA	PC05-PA	PC05-RA	SAME AS PC05-C
TRIAC DRV TO PUNCH	PC05-CA	PC05-PA	PC05-RA	SAME AS PC05-C
PWR SUP TO TRIAC DRIVER	PC05-CA	PC05-PA	PC05-RA	SAME AS PC05-C

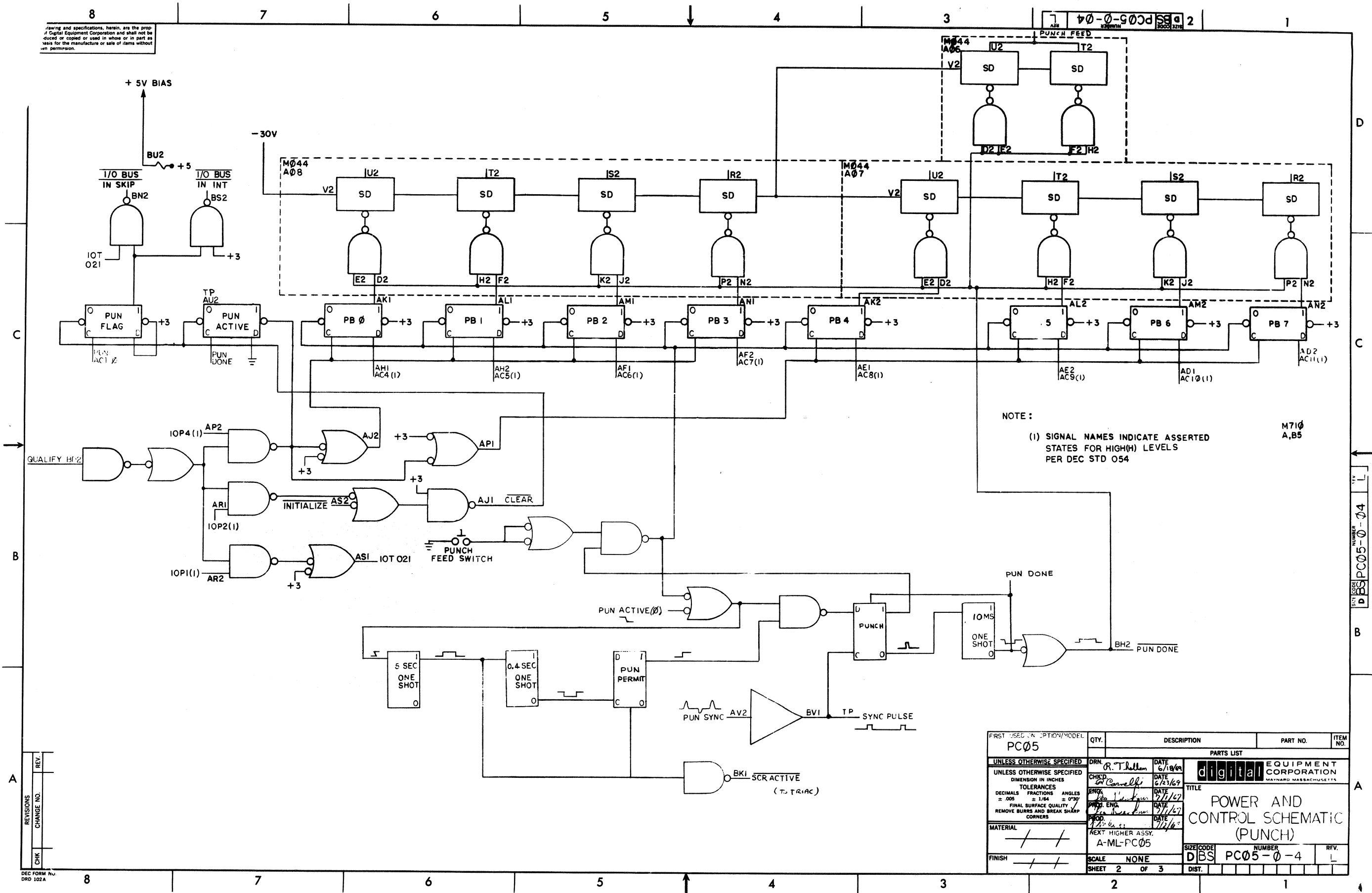
PARTS LIST

QTY.	DESCRIPTION	PART NO.	ITEM NO.

REVISIONS

CHK	CHANGE NO.	REV.	DATE	BY

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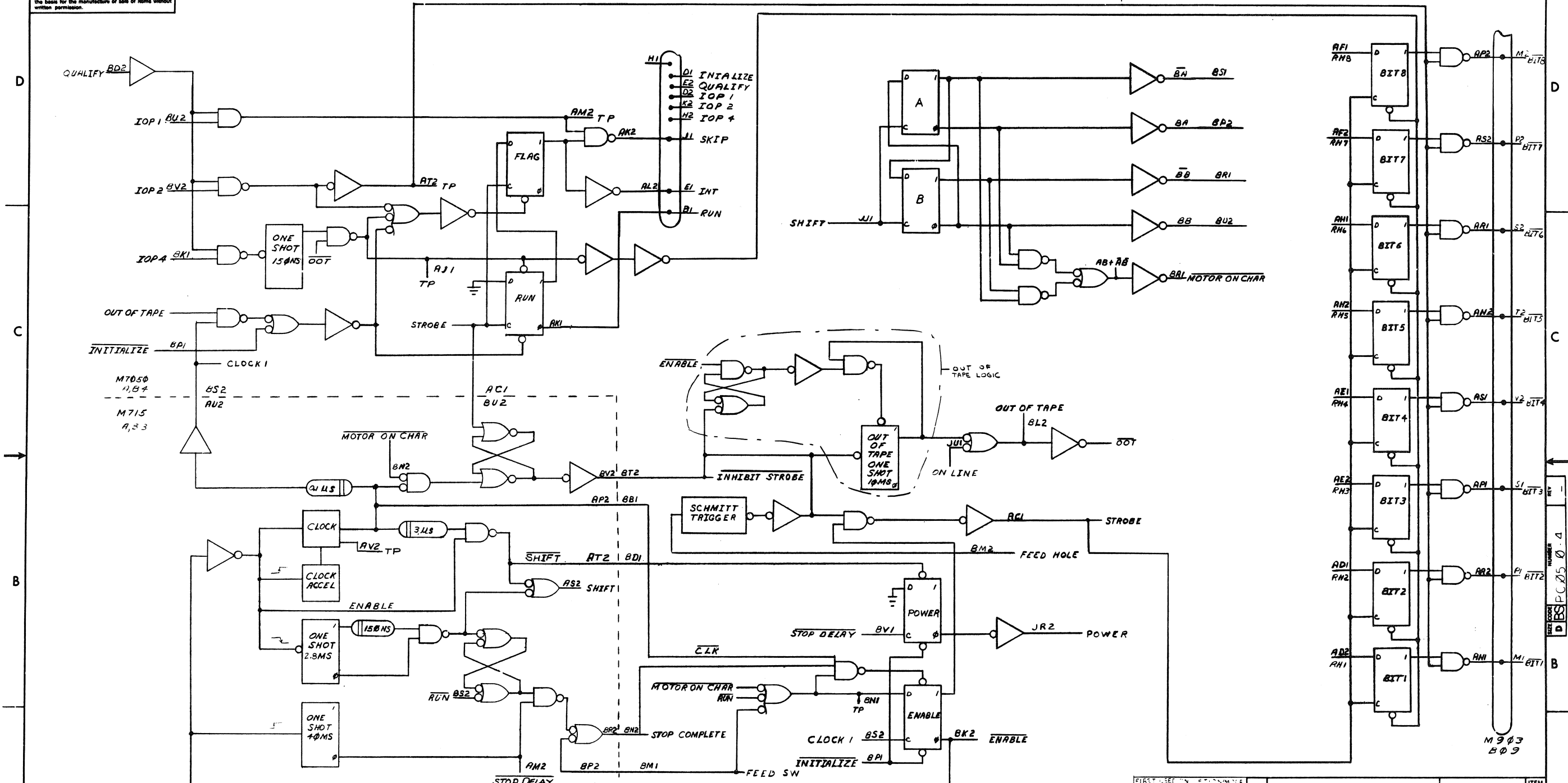
NOTE:
(1) SIGNAL NAMES INDICATE ASSERTED STATES FOR HIGH(H) LEVELS PER DEC STD 054

M710
A,B5

REV.	
CHG	
REVISIONS	
CHANGE NO.	

FIRST USED IN 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. Thellman DATE 6/18/69	PARTS LIST		
MATERIAL //	CHKD C. Connelly DATE 6/23/69	digital EQUIPMENT CORPORATION MAYNARD MASSACHUSETTS		
FINISH //	ENG R. Thellman DATE 7/11/69	TITLE POWER AND CONTROL SCHEMATIC (PUNCH)		
	PRG. ENG. R. Thellman DATE 7/11/69	NEXT HIGHER ASSY. A-ML-PC05		
	PROD. R. Thellman DATE 7/11/69	SCALE NONE	SIZE CODE D	NUMBER PC05-0-4
		SHEET 2	OF 3	REV. L

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REV	
CHK	

QTY.	DESCRIPTION	PART NO.	ITEM NO.
PARTS LIST			
UNLESS OTHERWISE SPECIFIED	DATE	digital EQUIPMENT CORPORATION MAYNARD MASS/CHESTER	
UNLESS OTHERWISE SPECIFIED	DATE		
TOLERANCES	DATE		
DECIMALS FRACTIONS ANGLES	DATE		
±.008 ±.004 ±.030	DATE	POWER SCHEMATIC (READER)	
FINAL SURFACE QUALITY	DATE		
REMOVE BURRS AND BREAK SHARP CORNERS	DATE		
MATERIAL	DATE		
FINISH	DATE	SCALE NONE	REV. L
SHEET 3 OF 3	DIST.	DBS PC 05-0-4	

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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:

- REF. G-AD-5408231-0-0
- DELETE THIS MODULE WHEN CKT REV H AND UP OF M710 IS USED. (ETCH F)
- M715 MUST BE OF REVISION K CIRCUIT OR HIGHER. (ETCH F)
- G918 MUST BE OF REVISION B CIRCUIT OR HIGHER. (ETCH D)

		1	2	3	4	5	6	7	8	9	10	11	12
A	B			M715 READER CLOCK	M705Ø READER CONTROL	M71Ø PUNCH CONTROL	WØ23 PUNCH CONN	MØ44	MØ44	MØ44	MØ4Ø	MØ4Ø	WØ77
												G918 PHOTO AMPLIFIER	K3Ø3 *

SEE NOTE 1,2

SEE NOTE 3

SEE NOTE 4

REVISIONS		REV.
CHK	CHANGE NO.	A
W. S. W.	PC05-00001	A
J. M. M.	P. 27-81	
G. BECKNER	9-3-69	
PC05-00021	B	
M. S. W.	9-11-71	
LEIS	124171	

FIRST USED OPTION/MODEL	QTY.	DESCRIPTION	PART NO.	ITEM NO.
PC05				
UNLESS OTHERWISE SPECIFIED				
DIMENSION IN INCHES				
TOLERANCES				
DECIMALS	FRACTIONS	ANGLES		
± .005	± 1/64	± 0°30'		
FINAL SURFACE QUALITY REMOVE BURRS AND BREAK SH'RP CORNERS				
MATERIAL	NEXT HIGHER ASSY.			
+	A-ML-PC05-Ø			
FINISH	SCALE	SHEET		
+	+	1 OF 1		
PARTS LIST				
digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS				
TITLE: MODULE UTILIZATION LIST PC05				
SIZE CODE	NUMBER		REV.	
C/MU	PC05-Ø-3		B	

REV. B
NUMBER PC05-Ø-3
SIZE CODE C/MU

DIGITAL EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS
PARTS LIST

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

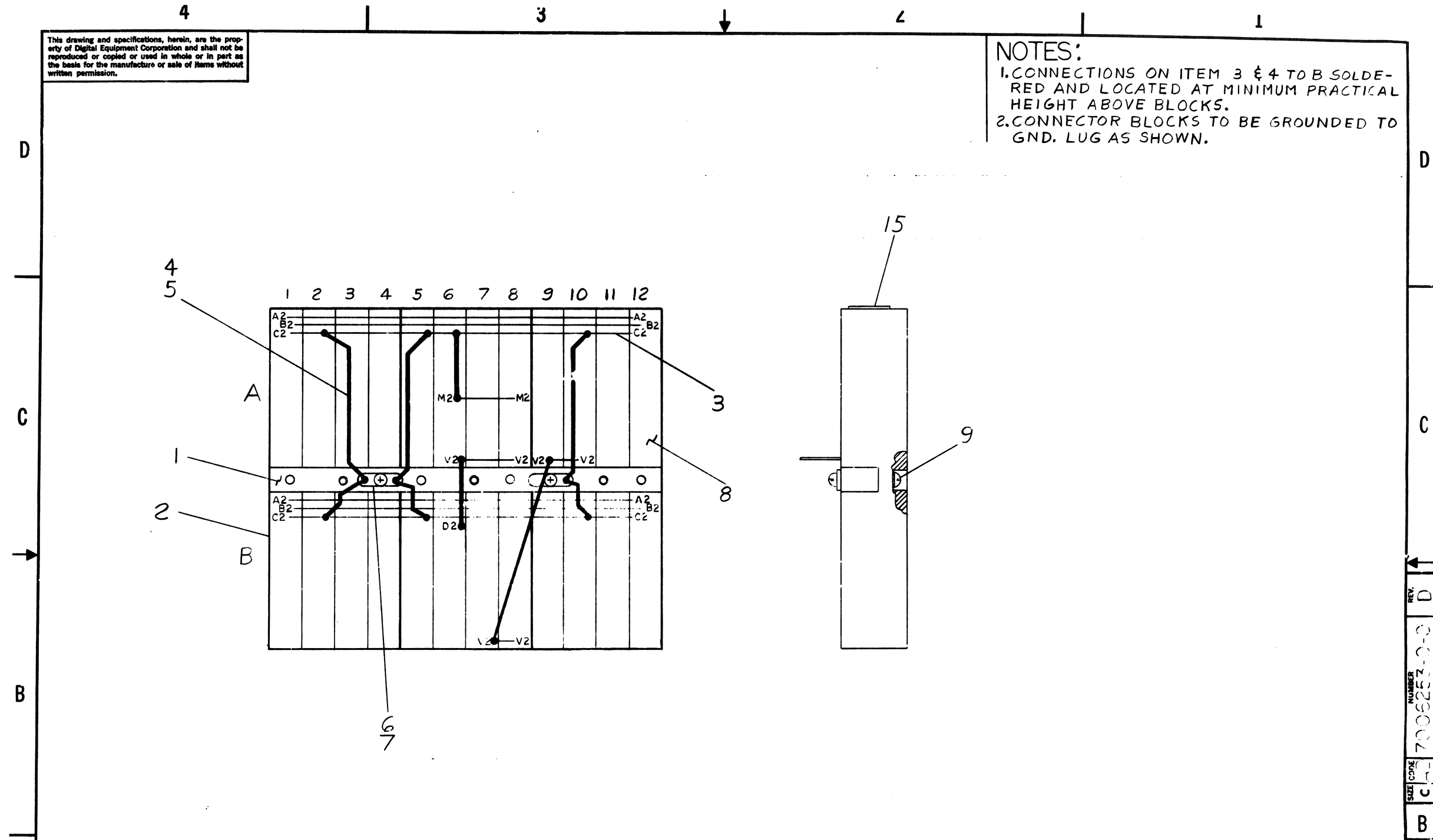
QUANTITY/VARIATION

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	C-AD-5408231-0-0	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								
5	M705	READER CONTROL	1	1	1	1								
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 A	CODE PL	NUMBER PC05-0-3	REV. B	ECO NO. PC05-000021
SHEET 1 OF 1		DIS				

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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.	CHG. NO.	CHK.	DATE
A	PC05-00003		
B	PC05-00016		
C	PC05-00021		
D	PC05-00030		

DEC FORM NO. DRC 100

QTY.	DESCRIPTION	PART NO.	ITEM NO.
PARTS LIST			
UNLESS OTHERWISE SPECIFIED		digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS	
DIMENSION IN INCHES TOLERANCES DECIMALS ± .005 FRACTIONS ± 1/64 ANGLES ± 0°30' FINAL SURFACE QUALITY ✓ REMOVE BURRS AND BREAK SHARP CORNERS		TITLE	
MATERIAL		BUS BAR (PC05)	
FINISH		SIZE CODE: C AD NUMBER: 7006253-0-0 REV: D SHEET 1 OF 1 DIST.	

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

DIGITAL EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS
PARTS LIST

QUANTITY / VARIATION

MADE BY P. MARCOTTE	CHECKED <i>R. Conelli</i>	SECTION
DATE 6/10/69	DATE 6/18/69	1
ENG <i>Geo. Beckman</i>	PROD <i>R. Conelli</i>	ISSUED SECT.
DATE 7/1/69	DATE 7/2/69	1

ITEM NO.	DWG NO. / PART NO.	DESCRIPTION																		
1	B-IA-7407077-0-0	MTG. BAR 6IN.	1																	
2	1205348	288 PIN CONN. BLOCK WRAPTYPE	3																	
3	9008428	BUS STRIP - 44 HOLE	A/R																	
4	9107560-01	#28 AWG BUS WIRE	A/R																	
5	9107258-09	#22 TUBING TEFLON, WHITE	A/R																	
6	9007597	TERMINAL, SHAKEPROOF #2116-08-00	2																	
7	9006034-01	SCR PHL PAN HD #8-32 x .19 LG SST	2																	
8	9105740-44	30 AWG SOLID KYNAR INS. WIRE, YELLOW	A/R																	
9	9006120-06	SCR PHL FIL HD #8-32 x .62 LG SST	3																	
10	1005900	CAP 6.8 MFD 35V 10%	2																	
11	1001610	CAP .01 MFD 100V 20%	1																	
12	1002627	CAP 2.2 MFD 20V 10%	1																	
REF	K-WL-PCØ5-Ø-2	WIRE LIST	1																	
13	1300317	RES 470 OHM 1/4 W 10%	2																	
14	1300231	RES 100 ohm 1/4 W 5%	1																	
15	A-DC-7411881-01	DECAL LOGIC ASSY	1																	
16	3700040-00	PACKAGING INSTRUCTIONS	REF																	
17	9905016-4	COMPRESS - O - CARTON	A/R																	
21	A-WT-7006253-0	AWT REVISION STATUS	REF																	

TITLE	ASSY NO.	SIZE	CODE	NUMBER	REV.	ECO NO.
BUS BAR (PCØ5)	C-AD-7006253-0-0	A	PL	7006253-0-0	D	PC05-00030
	SHEET 1 OF 1	DIST.	G			