

CUSTOMER PRINT SET INDEX

THIS IS PRINT SET

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DRAWING DIRECTORY
 CIRCUIT SCHEMATIC
~~±5V~~ REGULATOR
 CIRCUIT SCHEMATIC
 ±15V REGULATOR
 CIRCUIT SCHEMATIC

SEQUENCE

TB-DD-H743-~~0~~ SHEET #1 ONLY

D-CS-H743-~~0~~-1

E-1A-5409503-0-0

D-CS-5409503-0-1

E-1A-5409484-0-0

D-CS-5409484-0-1

SEQUENCE

MFG PRINTS

POWER SUPPLY	D-UA-H743-0-0
POWER SUPPLY (PL)	A-PL-H743-0-0
DRAWING DIRECTORY	B-DD-H743-0
PACKAGING INSTRUCTION	A-PI-3700130-0-0

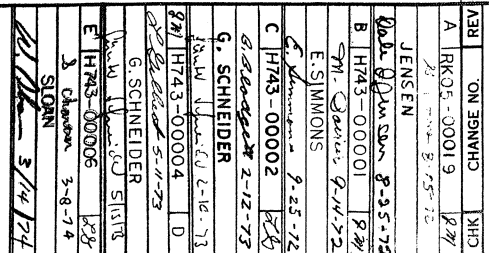
UNIT VARIATIONS

PRINT SET TYPE

[illegible]

REVISIONS		CHG. NO.		REV	
DATE	CHG. NO.	REV	CHG. NO.	REV	REV
8-72	RK05-19	A			
8-72	H743-1	B			
2-14-73	H743-2	C			
5-13-74	H743-3	D			
5-13-74	H743-4	E			
5-13-74	H743-5	F			
2-74	H743-6	H			
6-74	H743-7	J			
3-75	H743-10	K			

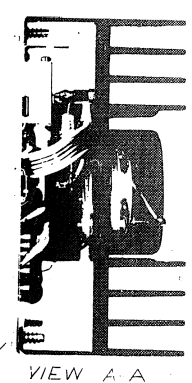
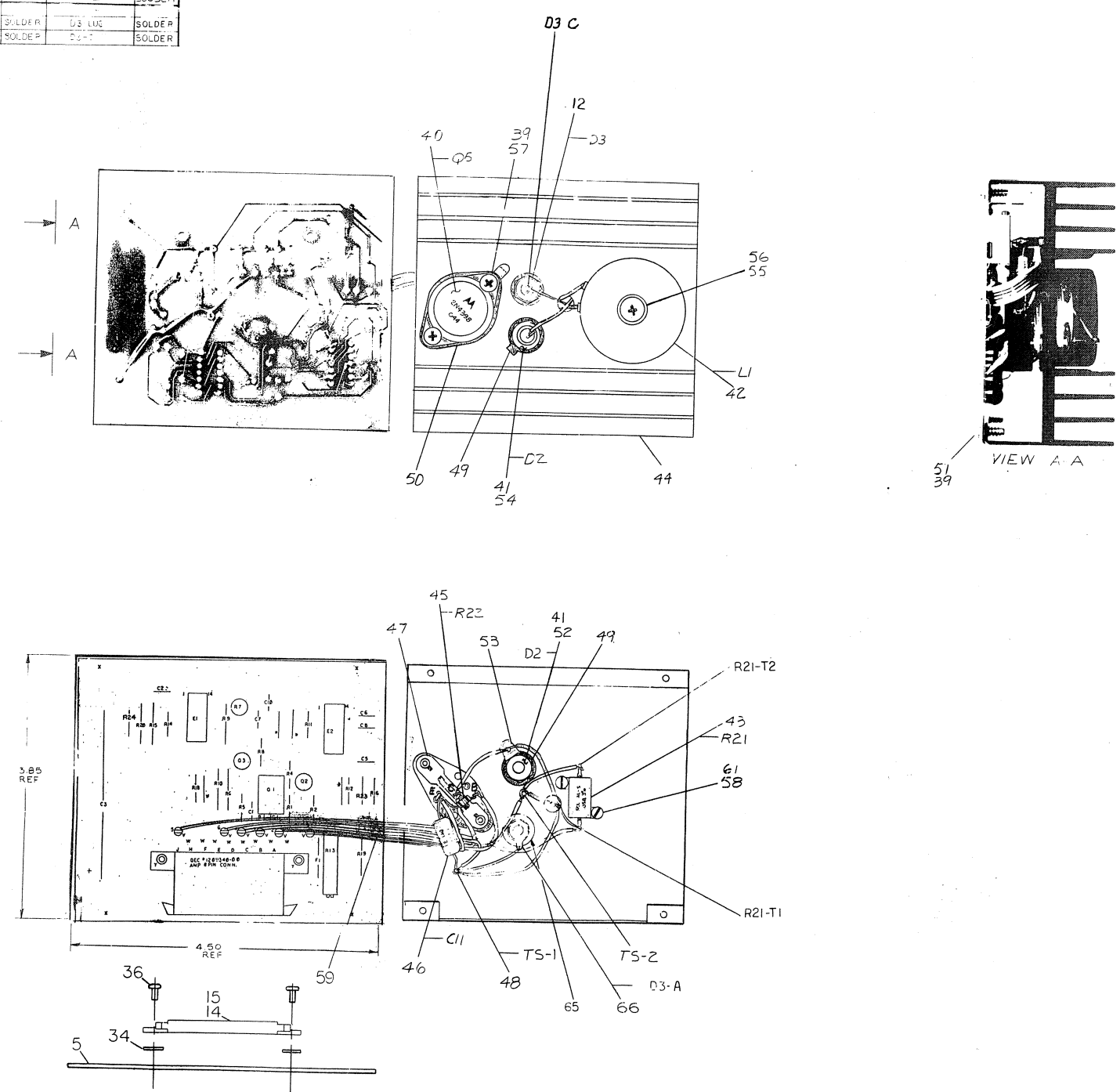
USED ON OPTION/MODEL		DRN.	DATE	TITLE			
RK05		J. FLEMING	12/16/71	POWER SUPPLY (H743)			
		CHK'D.	DATE				
		PROJ ENG.	DATE				
		PROD.	DATE				
		FIELD SERV.	DATE				
		SHEET 1 OF 3		SIZE	CODE	NUMBER	REV
				B	DD	H743-0	K
				DIST	6		



PARTS LIST									
ETCH BOARD REV									
		DRN <i>M. P. ...</i>	DATE <i>10/26/71</i>	<div><div>digital</div><div>EQUIPMENT CORPORATION WATYARD, MASSACHUSETTS</div></div>					
		CHK'D <i>[Signature]</i>	DATE <i>11-5-71</i>						
		ENG <i>[Signature]</i>	DATE <i>2-4 Mar 71</i>						
		PBOL ENG <i>[Signature]</i>	DATE <i>11-2-71</i>						
		PROD <i>[Signature]</i>	DATE <i>8/30/72</i>						
		NEXT HIGHER ASSY B-DD-H743-0							
DEC NO.	EIA NO.	SCALE <i>1/16"</i>		SIZE/CODE DCS	NUMBER H743-0-1	REV. E			
R CONVERSION CHART		SHEET <i>1</i> OF <i>1</i>		DIST.					

WIRE TABLE						EXTERNAL COMPONENTS LIST					
ITEM NO	DESCR	QTY	FROM	TO	CONNECTION	ITEM NO	DESCRIPTION	QTY	FROM	TO	POL
19	WHT	2	TS-1	Q5-E	SOLDER	15	RES 20 1/4W	1	TS-1	Q5-B	-
59	GRY	1	TS-1	Q5-B	SOLDER	16	CAP 100 1001	1	TS-1	TS-1	-
59	WHT	1	TS-1	Q5-C	SOLDER						
59	BLU	1	TS-1	Q5-D	SOLDER						
59	GRN	1	TS-1	Q5-E	SOLDER						
59	YEL	1	TS-1	Q5-F	SOLDER						
59	RED	1	TS-1	Q5-G	SOLDER						
62	WHT/GRN	1	TS-1	Q5-H	SOLDER						
59	BLK	1	TS-1	Q5-I	SOLDER						
59	BLK	1	TS-1	Q5-J	SOLDER						
59	GRN	1	TS-1	Q5-K	SOLDER						
59	YEL	1	TS-1	Q5-L	SOLDER						

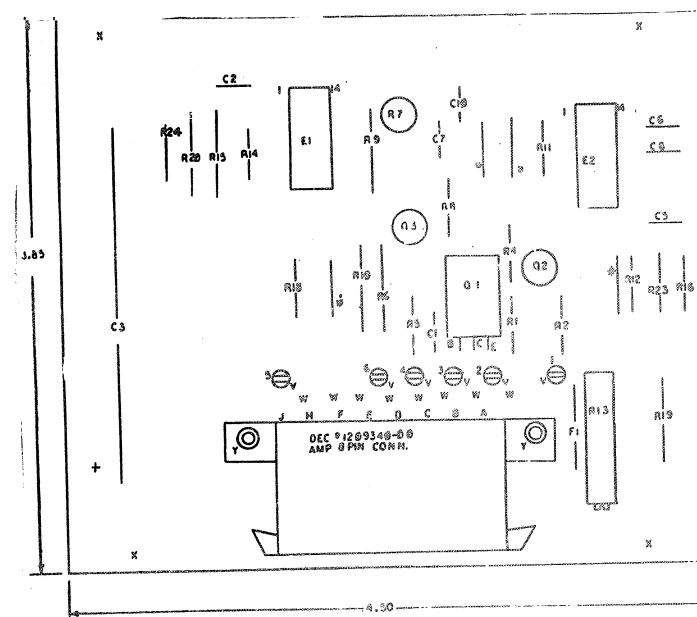
NOTES:
 1 R15 IS USED FOR OUTPUT VOLTAGE ADJUSTMENT.
 R7 IS USED FOR OUTPUT CURRENT ADJUSTMENT.
 2 # INDICATES JUMPERS TO BE INSTALLED.



QTY	REF	DESCRIPTION	PART NO	REV
1	1	SOLDER LUG	9008764	66
1	1	1 X FLAT WASHER	9008764	65
1	1	1 X FLAT WASHER	9008764	64
1	1	CAP 330UF 10V	1003408	63
1	1	WIRE 22 AWG TRACER WHT/GRN	9107400-95	62
1	1	WASHER INT TOOTH LOCK #2	9008631	61
1	1	BUS WIRE 22 AWG	9107500-91	60
1	1	20 CONNECTOR CABLE	9107500-91	59
1	1	SCR BINDING HD 2-56X3/16 SST	9008600-4	58
1	1	SCR PHIL PAN HD 6-32X1/2 SST	9008602-1	57
1	1	SCR PHIL TROSS HD 10-32X1 SST	9008607-3	56
1	1	WASHER INT TOOTH LOCK #10	9008635	55
1	1	BUSHING	9008441	54
1	1	SOLDER LUG	9008150	53
1	1	NUT, HEX 10-32	9008564	52
1	1	SCR PHIL PAN HDHS 32X3/8 S.T	9008407	51
1	1	THERMAL INSULATOR	9008419	50
1	1	THERMAL INSULATOR	9008424	49
1	1	INSULATED TERM STANDOFF	9008080	48
1	1	TRANSISTOR SOCKET	1216130	47
1	1	CAP 100 5 1/4 W	1005507	46
1	1	RES 100 5 1/4 W	1300229	45
1	1	HEAT SINK	D-1A-5309543-0-0	44
1	1	RES 0.05 1/4 W	1310507	43
1	1	120 OHM DIODE	1810515	42
1	1	IN 3889 DIODE	1110491	41
1	1	2N 4398 TRANSISTOR	1505870	40
1	1	WASHER INT TOOTH #6	9008633	39
1	1	RES 27 1/4 W 5	1301532	38
1	1	RES 15K 1/4 W 5	1300391	37
1	1	EYELETS WA 1733 STIMPSON	9006145	36
1	1	SPLIT LUGS	9006135	35
1	1	WASHER, N.Y.LON	9008707	34
1	1	IC 723C 0.1 P. REGULATOR	1910415	33
1	1	TRANSISTOR DASEC G E	1910414	32
1	1	TRANSISTOR DEC 6534D	1503409-00	31
1	1	RES 2 7W 1/4 W 5	1309880	30
1	1	RES 3.83K 1/4 W 1	1308413	29
1	1	RES 1K 1/2W 20	1308150-3	28
1	1	RES 1K 10 76PR	1308143-07	27
1	1	RES 2 74K 1/8W 1 MF	1303303	26
1	1	RES 2 61K 1/8W 1 MF	1303114	25
1	1	RES 1K 1/8W 1 MF	1302802	24
1	1	RES 56 1/4 W 5	1300443	23
1	1	RES 4 7K 1/2W 5	1301972	22
1	1	RES 270 1/4 W 5	1300447	21
1	1	RES 4 7K 1/4 W 5	1300385	20
1	1	RES 1K 1/4 W 5	1300397	19
1	1	RES 330 1/4 W 5	1303197	18
1	1	RES 0.05 1/4 W 10%	1209456	17
1	1	CONNECTOR PIN	1209401-01	16
1	1	CONN 8 PIN AMP	1209401-01	15
1	1	100 5 MPP	1209401-01	14
1	1	DIODE IN4563B 5.6V	1117241	13
1	1	CAP 02 UF 100V-0120% DISC	1000004	12
1	1	CAP 930 UF 30V-10% ELEC	1010509	11
1	1	CAP 01 UF 100V 20% DISC	1001810	10
1	1	CAP 1000 PF 100V 5% MICA	1000042	9
1	1	CAP 100 PF 100V 5% MICA	1000016	8
1	1	CAP 88 PF 100V 5% MICA	1000014	7
1	1	ETCH CIRCUIT BOARD	5009502	6
1	1	MODULE ECU HISTORY	B-MH-5409503-0-6	5
1	1	ASSY DRILLING HOLE LAYOUT	D-MH-5409503-0-6	4
1	1	5-D-5409503-0-4	D-MH-5409503-0-4	3
1	1	CIRCUIT SCHEMATIC	D-CS-5409503-0-1	2

REVISIONS		CHANGE NO.		REV.	
1		1		1	
2		2		2	
3		3		3	
4		4		4	
5		5		5	
6		6		6	
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

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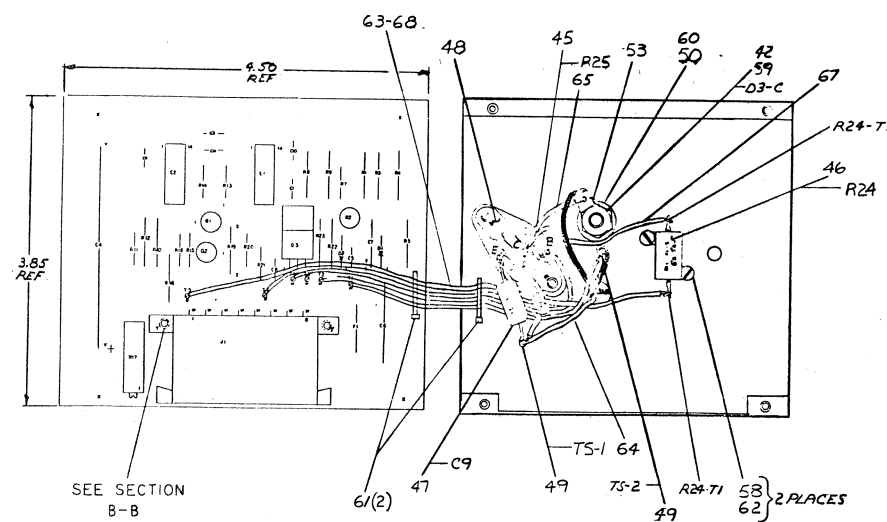
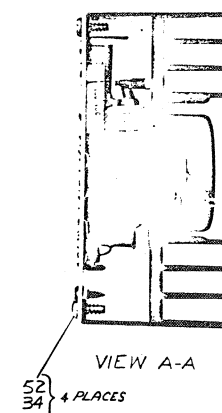
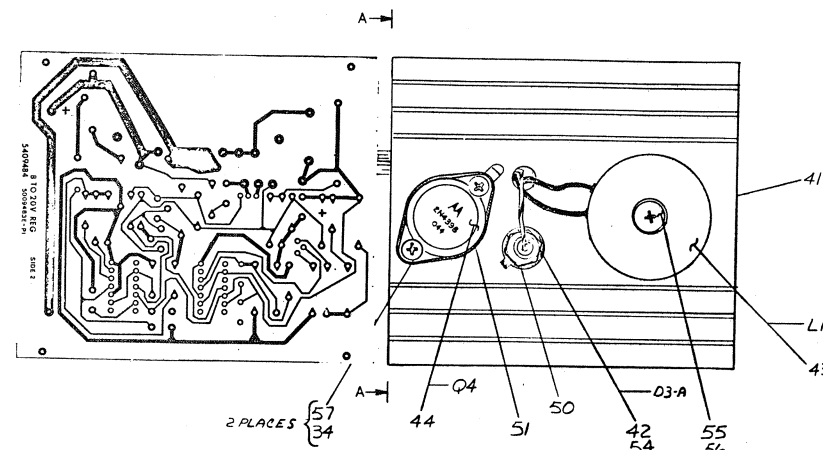
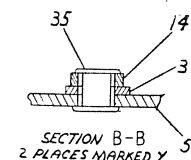


THILL									
15 VOLT REGULATOR									
DATE	CODE	NUMBER					REV		
D	CS	5409503-0-1					M		
PRINTED CIRCUIT REV.							F	-	

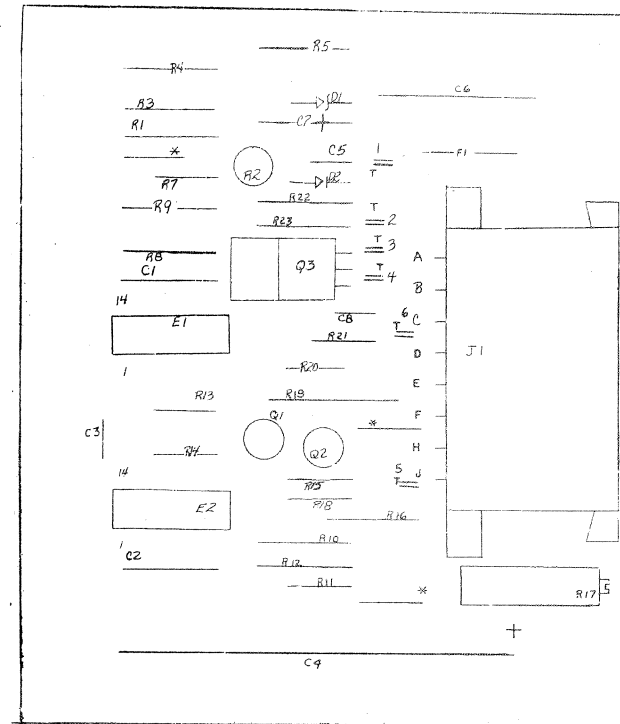
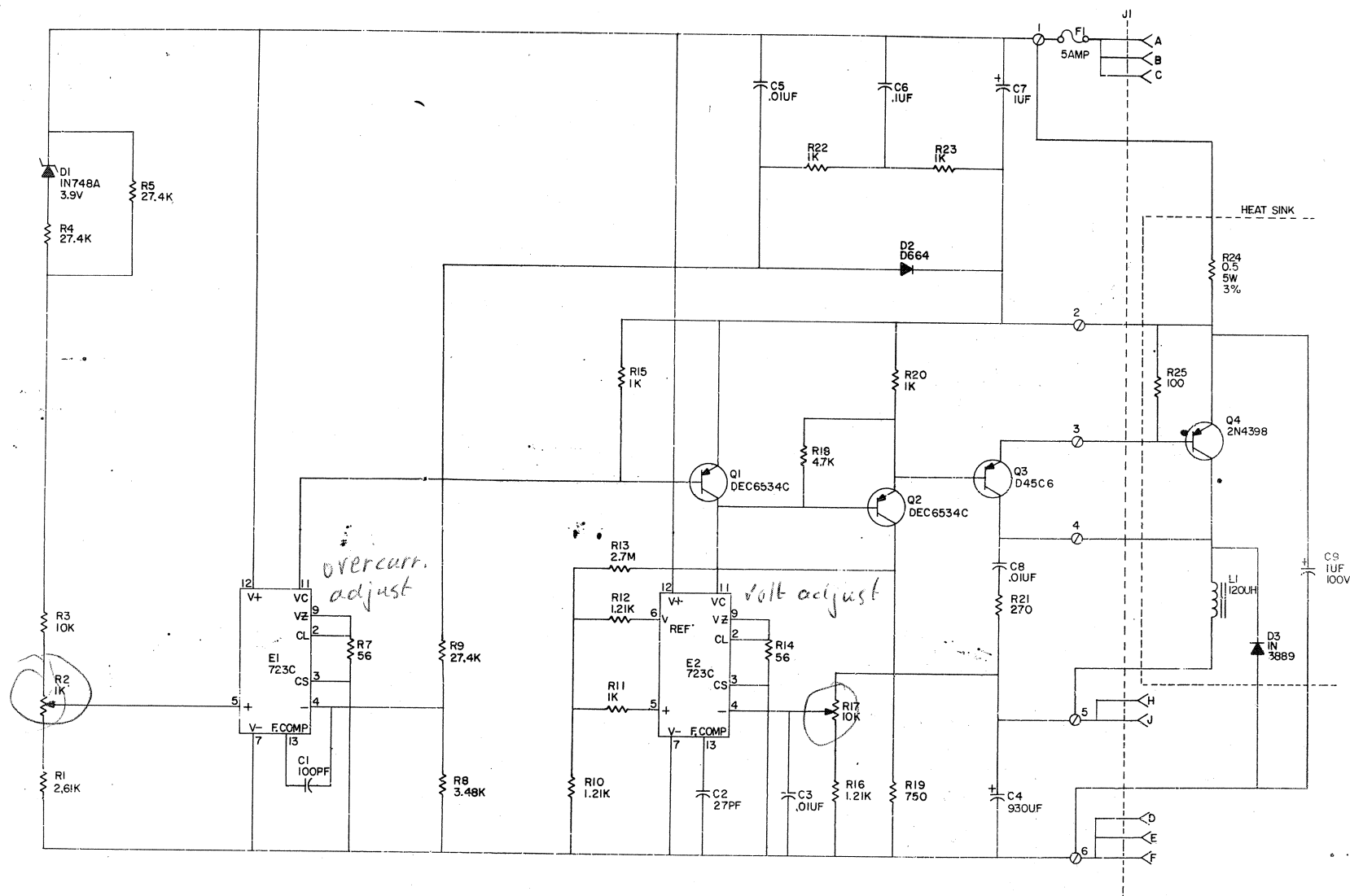
WIRE TABLE										EXTERNAL COMPONENTS									
ITEM	DESCRIPTION	LENGTH IN FEET	STRIP		CONNECTIONS		ITEM NO.	LENGTH	DESCRIPTION	POL.	CONNECTIONS		ITEM NO.	LENGTH	DESCRIPTION	POL.			
			LENGTH	STRIP	FROM	TO					FROM	TO							
#3	AWG	COLOR																	
#3	-	BLK	218																
#3	-	BLK	218																
#5	18	BLU	270	1/2	L1	B-2-10	95	1/2	WIRE 2	RES 100-100-5.9			97	1/2	WIRE 2	RES 100-100-5.9			
#5	18	BLU	270	1/2	L1	B-2-10	95	1/2	WIRE 2	RES 100-100-5.9			97	1/2	WIRE 2	RES 100-100-5.9			
#5	18	GRN	499	1/2	L1	B-2-10	95	1/2	WIRE 2	RES 100-100-5.9			97	1/2	WIRE 2	RES 100-100-5.9			
#6	18	WHT	520	1/2	L1	B-2-10	95	1/2	WIRE 2	RES 100-100-5.9			97	1/2	WIRE 2	RES 100-100-5.9			
#7	18	GRY	820	1/2	L1	B-2-10	95	1/2	WIRE 2	RES 100-100-5.9			97	1/2	WIRE 2	RES 100-100-5.9			
#8	18	WDO	520	1/2	L1	B-2-10	95	1/2	WIRE 2	RES 100-100-5.9			97	1/2	WIRE 2	RES 100-100-5.9			
#9	18	BLU	520	1/2	L1	B-2-10	95	1/2	WIRE 2	RES 100-100-5.9			97	1/2	WIRE 2	RES 100-100-5.9			
#10	18	GRN	520	1/2	L1	B-2-10	95	1/2	WIRE 2	RES 100-100-5.9			97	1/2	WIRE 2	RES 100-100-5.9			
#11	18	WDO	520	1/2	L1	B-2-10	95	1/2	WIRE 2	RES 100-100-5.9			97	1/2	WIRE 2	RES 100-100-5.9			
#12	18	BLU	520	1/2	L1	B-2-10	95	1/2	WIRE 2	RES 100-100-5.9			97	1/2	WIRE 2	RES 100-100-5.9			
#13	18	GRN	520	1/2	L1	B-2-10	95	1/2	WIRE 2	RES 100-100-5.9			97	1/2	WIRE 2	RES 100-100-5.9			
#14	18	WDO	520	1/2	L1	B-2-10	95	1/2	WIRE 2	RES 100-100-5.9			97	1/2	WIRE 2	RES 100-100-5.9			
#15	18	BLU	520	1/2	L1	B-2-10	95	1/2	WIRE 2	RES 100-100-5.9			97	1/2	WIRE 2	RES 100-100-5.9			
#16	18	GRN	520	1/2	L1	B-2-10	95	1/2	WIRE 2	RES 100-100-5.9			97	1/2	WIRE 2	RES 100-100-5.9			
#17	18	WDO	520	1/2	L1	B-2-10	95	1/2	WIRE 2	RES 100-100-5.9			97	1/2	WIRE 2	RES 100-100-5.9			
#18	18	BLU	520	1/2	L1	B-2-10	95	1/2	WIRE 2	RES 100-100-5.9			97	1/2	WIRE 2	RES 100-100-5.9			
#19	18	GRN	520	1/2	L1	B-2-10	95	1/2	WIRE 2	RES 100-100-5.9			97	1/2	WIRE 2	RES 100-100-5.9			
#20	18	WDO	520	1/2	L1	B-2-10	95	1/2	WIRE 2	RES 100-100-5.9			97	1/2	WIRE 2	RES 100-100-5.9			
#21	18	BLU	520	1/2	L1	B-2-10	95	1/2	WIRE 2	RES 100-100-5.9			97	1/2	WIRE 2	RES 100-100-5.9			
#22	18	GRN	520	1/2	L1	B-2-10	95	1/2	WIRE 2	RES 100-100-5.9			97	1/2	WIRE 2	RES 100-100-5.9			
#23	18	WDO	520	1/2	L1	B-2-10	95	1/2	WIRE 2	RES 100-100-5.9			97	1/2	WIRE 2	RES 100-100-5.9			
#24	18	BLU	520	1/2	L1	B-2-10	95	1/2	WIRE 2	RES 100-100-5.9			97	1/2	WIRE 2	RES 100-100-5.9			
#25	18	GRN	520	1/2	L1	B-2-10	95	1/2	WIRE 2	RES 100-100-5.9			97	1/2	WIRE 2	RES 100-100-5.9			
#26	18	WDO	520	1/2	L1	B-2-10	95	1/2	WIRE 2	RES 100-100-5.9			97	1/2	WIRE 2	RES 100-100-5.9			
#27	18	BLU	520	1/2	L1	B-2-10	95	1/2	WIRE 2	RES 100-100-5.9			97	1/2	WIRE 2	RES 100-100-5.9			
#28	18	GRN	520	1/2	L1	B-2-10	95	1/2	WIRE 2	RES 100-100-5.9			97	1/2	WIRE 2	RES 100-100-5.9			
#29	18	WDO	520	1/2	L1	B-2-10	95	1/2	WIRE 2	RES 100-100-5.9			97	1/2	WIRE 2	RES 100-100-5.9			
#30	18	BLU	520	1/2	L1	B-2-10	95	1/2	WIRE 2	RES 100-100-5.9			97	1/2	WIRE 2	RES 100-100-5.9			
#31	18	GRN	520	1/2	L1	B-2-10	95	1/2	WIRE 2	RES 100-100-5.9			97	1/2	WIRE 2	RES 100-100-5.9			
#32	18	WDO	520	1/2	L1	B-2-10	95	1/2	WIRE 2	RES 100-100-5.9			97	1/2	WIRE 2	RES 100-100-5.9			
#33	18	BLU	520	1/2	L1	B-2-10	95	1/2	WIRE 2	RES 100-100-5.9			97	1/2	WIRE 2	RES 100-100-5.9			
#34	18	GRN	520	1/2	L1	B-2-10	95	1/2	WIRE 2	RES 100-100-5.9			97	1/2	WIRE 2	RES 100-100-5.9			
#35	18	WDO	520	1/2	L1	B-2-10	95	1/2	WIRE 2	RES 100-100-5.9			97	1/2	WIRE 2	RES 100-100-5.9			
#36	18	BLU	520	1/2	L1	B-2-10	95	1/2	WIRE 2	RES 100-100-5.9			97	1/2	WIRE 2	RES 100-100-5.9			
#37	18	GRN	520	1/2	L1	B-2-10	95	1/2	WIRE 2	RES 100-100-5.9			97	1/2	WIRE 2	RES 100-100-5.9			
#38	18	WDO	520	1/2	L1	B-2-10	95	1/2	WIRE 2	RES 100-100-5.9			97	1/2	WIRE 2	RES 100-100-5.9			
#39	18	BLU	520	1/2	L1	B-2-10	95	1/2	WIRE 2	RES 100-100-5.9			97	1/2	WIRE 2	RES 100-100-5.9			
#40	18	GRN	520	1/2	L1	B-2-10	95	1/2	WIRE 2	RES 100-100-5.9			97	1/2	WIRE 2	RES 100-100-5.9			
#41	18	WDO	520	1/2	L1	B-2-10	95	1/2	WIRE 2	RES 100-100-5.9			97	1/2	WIRE 2	RES 100-100-5.9			
#42	18	BLU	520	1/2	L1	B-2-10	95	1/2	WIRE 2	RES 100-100-5.9			97	1/2	WIRE 2	RES 100-100-5.9			
#43	18	GRN	520	1/2	L1	B-2-10	95	1/2	WIRE 2	RES 100-100-5.9			97	1/2	WIRE 2	RES 100-100-5.9			
#44	18	WDO	520	1/2	L1	B-2-10	95	1/2	WIRE 2	RES 100-100-5.9			97	1/2	WIRE 2	RES 100-100-5.9			
#45	18	BLU	520	1/2	L1	B-2-10	95	1/2	WIRE 2	RES 100-100-5.9			97	1/2	WIRE 2	RES 100-100-5.9			
#46	18	GRN	520	1/2	L1	B-2-10	95	1/2	WIRE 2	RES 100-100-5.9			97	1/2	WIRE 2	RES 100-100-5.9			
#47	18	WDO	520	1/2	L1	B-2-10	95	1/2	WIRE 2	RES 100-100-5.9			97	1/2	WIRE 2	RES 100-100-5.9			
#48	18	BLU	520	1/2	L1	B-2-10	95	1/2	WIRE 2	RES 100-100-5.9			97	1/2	WIRE 2	RES 100-100-5.9			
#49	18	GRN	520	1/2	L1	B-2-10	95	1/2	WIRE 2	RES 100-100-5.9			97	1/2	WIRE 2	RES 100-100-5.9			
#50	18	WDO	520	1/2	L1	B-2-10	95	1/2	WIRE 2	RES 100-100-5.9			97	1/2	WIRE 2	RES 100-100-5.9			
#51	18	BLU	520	1/2	L1	B-2-10	95	1/2	WIRE 2	RES 100-100-5.9			97	1/2	WIRE 2	RES 100-100-5.9			
#52	18	GRN	520	1/2	L1	B-2-10	95	1/2	WIRE 2	RES 100-100-5.9			97	1/2	WIRE 2	RES 100-100-5.9			
#53	18	WDO	520	1/2	L1	B-2-10	95	1/2	WIRE 2	RES 100-100-5.9			97	1/2	WIRE 2	RES 100-100-5.9			
#54	18	BLU	520	1/2	L1	B-2-10	95	1/2	WIRE 2	RES 100-100-5.9			97	1/2	WIRE 2	RES 100-100-5.9			
#55	18	GRN	520	1/2	L1	B-2-10	95	1/2	WIRE 2	RES 100-100-5.9			97	1/2	WIRE 2	RES 100-100-5.9			
#56	18	WDO	520	1/2	L1	B-2-10	95	1/2	WIRE 2	RES 100-100-5.9			97	1/2	WIRE 2	RES 100-100-5.9			
#57	18	BLU	520	1/2	L1	B-2-10	95	1/2	WIRE 2	RES 100-100-5.9			97	1/2	WIRE 2	RES 100-100-5.9			
#58	18	GRN	520	1/2	L1	B-2-10	95	1/2	WIRE 2	RES 100-100-5.9			97	1/2	WIRE 2	RES 100-100-5.9			
#59	18	WDO	520	1/2	L1	B-2-10	95	1/2	WIRE 2	RES 100-100-5.9			97	1/2	WIRE 2	RES 100-100-5.9			
#60	18	BLU	520	1/2	L1	B-2-10	95	1/2	WIRE 2	RES 100-100-5.9			97	1/2	WIRE 2	RES 100-100-5.9			
#61	18	GRN	520	1/2	L1	B-2-10	95	1/2	WIRE 2	RES 100-100-5.9			97	1/2	WIRE 2	RES 100-100-5.9			
#62	18	WDO	520	1/2	L1	B-2-10	95	1/2	WIRE 2	RES 100-100-5.9			97	1/2	WIRE 2	RES 100-100-5.9			
#63	18	BLU	520	1/2	L1	B-2-10	95	1/2	WIRE 2	RES 100-100-5.9			97	1/2	WIRE 2	RES 100-100-5.9			
#64	18	GRN	520	1/2	L1	B-2-10	95	1/2	WIRE 2	RES 100-100-5.9			97	1/2	WIRE 2	RES 100-100-5.9			
#65	18	WDO	520	1/2	L1	B-2-10	95	1/2	WIRE 2	RES 100-100-5.9			97	1/2	WIRE 2	RES 100-100-5.9			
#66	18	BLU	520	1/2	L1	B-2-10	95	1/2	WIRE 2	RES 100-100-5.9			97	1/2	WIRE 2	RES 100-100-5.9			
#67	18	GRN	520	1/2	L1	B-2-10	95	1/2	WIRE 2	RES 100-100-5.9			97	1/2	WIRE 2	RES 100-100-5.9			
#68	18	WDO	520	1/2	L1	B-2-10	95	1/2	WIRE 2	RES 100-100-5.9			97	1/2	WIRE 2	RES 100-100-5.9			
#69	18	BLU	520	1/2	L1	B-2-10	95	1/2	WIRE 2	RES 100-100-5.9			97	1/2	WIRE 2	RES 100-100-5.9			
#70	18	GRN	520	1/2	L1	B-2-10	95	1/2	WIRE 2	RES 100-100-5.9			97	1/2	WIRE 2	RES 100-100-5.9			
#71	18	WDO	520	1/2	L1	B-2-10	95	1/2	WIRE 2	RES 100-100-5.9			97	1/2	WIRE 2	RES 100-100-5.9			
#72	18	BLU	520	1/2	L1	B-2-10	95	1/2	WIRE 2	RES 100-100-5.9			97	1/2	WIRE 2				

NOTES

1. RIT IS USED FOR OUTPUT VOLTAGE ADJUSTMENT. R2 IS USED FOR OUTPUT POWER ADJUSTMENT.
2. CUT LEADS OF RES. (R25) SO THERE IS $\frac{3}{8}$ OF A LEAD LEFT AT BOTH ENDS.

RES $\frac{3}{8}$
3. CUT LEADS OF CAP (C9) SO THERE IS $\frac{1}{2}$ " OF A LEAD LEFT AT BOTH ENDS.

C9 $\frac{1}{2}$
4. THERMAL COMPOUND (ITEM #38) IS TO BE APPLIED TO BOTH SIDES OF ALL THERMAL INSULATORS (ITEM #50 & 51) BOTH SIDES OF EACH INSULATOR SHOULD BE COMPLETELY COVERED, LEAVING NO VOIDS WHEN INSTALLED. CARE MUST BE EXERCISED SO THAT NO EXTRA CONDUCTIVE CONNECTIONS ARE MADE WITH ANY ELECTRICAL CONNECTION MADE TO ANY DEVICE.

[illegible]

THIS SCHEMATIC IS FURNISHED ONLY FOR TEST AND MAINTENANCE PURPOSES. THE CIRCUITS ARE PROPRIETARY IN NATURE AND SHOULD BE TREATED ACCORDINGLY. COPYRIGHT 1971 BY DIGITAL EQUIPMENT CORPORATION.



QTY.	REF. DESIGNATION	DESCRIPTION	DEC PART NO.
1	R6	FOR FUTURE USE	
1	J1	CONNECTOR PINS	1209456
1	F1	AMP 8 PIN CONNECTOR (MATE & LOCK)	1209340-09
1	F1	FUSE 5 AMP	1209070
1	F1	EYELET	9006745
1	F1	SPLIT LUGS	9006715
1	F1	WASHER, NYLON	9006707
1	F1	DIP REGULATOR 723C	1209070
1	F1	TRANSISTOR 2N4398	1209070
1	F1	TRANSISTOR DEC 5534C	1209070
1	F1	RES. 2.7M 1/8W 5%	1309680
1	F1	RES. 27.4K 1/8W 1% MF	1309411
1	F1	RES. VARIABLE 1K 4W	1309150-33
1	F1	RES. VARIABLE 10K 3/4W 1%	1309141-10
1	F1	RES. 1.21K 1/8W 1% MF	1302871
1	F1	RES. 56 4W 5%	1302602
1	F1	RES. 750 1W 5%	1302385
1	F1	RES. 270 4W 5%	1301972
1	F1	RES. 4.7K 4W 5%	1300487
1	F1	RES. 1K 4W 5%	1300365
1	F1	DIODE ZENER 1N748A 3.9V	1100122
1	F1	DIODE D664	1100114
1	F1	CAP. 100UF 35V 10% S. TANT	1001776
1	F1	CAP. 1UF 100V 10% SYLAR	1001232
1	F1	CAP. 1UF 35V 10% S. TANT	1001776
1	F1	CAP. 27PF 100V 5% TOL	1001739
1	F1	CAP. .01UF 100V 20% DJ	1001610
1	F1	CAP. 100PF 100V 5% TOL	1000016
1	F1	ETCHED CIRCUIT BOARD	5009484
1	F1	MODULE ECO HISTORY	B-MH-5409484-0-6
1	F1	ASRY/DRILLING HOLE LAYOUT	B-MH-5409484-0-5
1	F1	X-Y COORDINATE HOLE LOCAT	B-MH-5409484-0-4
1	F1	DESCRIPTION	DEC PART NO.
1	F1	PARTS LIST	

QTY.	REF. DESIGNATION	DESCRIPTION	DEC PART NO.
1	8 TO 20V REGULATOR	E-IA-5409484-0-0	58
1	20 CONDUCTOR CABLE	91-07575	57
1	#10/32 HEX NUT	9006584	56
1	2/56 X 3/16" SCREW	9006000-4	55
1	6/32 X 1/4" PAN HD SCREW	9006024	54
1	10/32 X 1" TRUSS HD SCREW	9006077-3	53
1	#10 INTERNAL LOCK WASHER	9006635	52
1	BUSHING (DIODE)	9006441	51
1	SOLDER LUG	9008150	50
1	#6 SELF TAPPING SCREW	9008201	49
1	THERMAL INSULATOR	9008419	48

QTY.	REF. DESIGNATION	DESCRIPTION	DEC PART NO.
1	THERMAL INSULATOR	9008419	47
1	STAND OFF (STUD TYPE)	9009060	46
1	TRANSISTOR SOCKET	1210130	45
1	CAP. 1UF 100V	1005507	44
1	RES. 0.5 3/4 5W	1310508	43
1	RES. 100 5% 4W	1300329	42
1	TRANSISTOR 2N4398	1209070	41
1	120UH CHOK	1610573	40
1	DIODE 1N3889	1100429	39
1	HEAT SINK	5309241	38
1	DESCRIPTION	DEC PART NO.	37
1	PARTS LIST		

DATE	6/2/71	DESIGNER	DEC 5534C	DATE	6/2/71	PROJ. NO.	5409484-0-1
CHKD	W. H. H. H.	DATE	6/2/71	CHKD	W. H. H. H.	DATE	6/2/71
PROJ.	W. H. H. H.	DATE	6/2/71	PROJ.	W. H. H. H.	DATE	6/2/71

8 TO 20 V REGULATOR

EQUIPMENT CORPORATION

PRINTED CIRCUIT REV. 1

DRWG NO		REV LTR																					
K-WL-RK05-0-3		B																					
<div></div>																							
<table border="1"><thead><tr><th colspan="4">REVISIONS</th></tr><tr><th>REV LTR</th><th>ECONO</th><th>DATE</th><th>ENG</th></tr></thead><tbody><tr><td>A</td><td>RK05-00014</td><td>7/72</td><td>Ed</td></tr><tr><td>B</td><td>RK05-00031</td><td>2/73</td><td>Ed</td></tr></tbody></table>				REVISIONS				REV LTR	ECONO	DATE	ENG	A	RK05-00014	7/72	Ed	B	RK05-00031	2/73	Ed				
REVISIONS																							
REV LTR	ECONO	DATE	ENG																				
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B	RK05-00031	2/73	Ed																				
<table border="1"><tr><td>DRAWN</td><td>DATE</td></tr><tr><td>RE Hellen</td><td>11/8/71</td></tr><tr><td>CHECKED</td><td>DATE</td></tr><tr><td>J. Perry</td><td>11-9-71</td></tr><tr><td>ENG</td><td>DATE</td></tr><tr><td>D. Jensen</td><td>24 Nov 71</td></tr><tr><td>PROJ ENG</td><td>DATE</td></tr><tr><td>EL Simmons</td><td>11-24-71</td></tr><tr><td>PROD</td><td>DATE</td></tr><tr><td>Alan Karlberg</td><td>11/29/71</td></tr></table>		DRAWN	DATE	RE Hellen	11/8/71	CHECKED	DATE	J. Perry	11-9-71	ENG	DATE	D. Jensen	24 Nov 71	PROJ ENG	DATE	EL Simmons	11-24-71	PROD	DATE	Alan Karlberg	11/29/71	<div>digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS</div>	
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PROJ ENG	DATE																						
EL Simmons	11-24-71																						
PROD	DATE																						
Alan Karlberg	11/29/71																						
TITLE		WIRE LIST (RK05)																					
FOR		TAPE* FILE*																					
SIZE	CODE	DWG. NO.	REV LTR																				
K	WL	RK05-0-3	B																				
SCALE	NONE	SHEET	1 OF 1																				
DIST.																							

[illegible]

RP05LH.8	WRP288.V22(22) 11/06/73	A/P	PIN NAME	ORDER PIN	ORDER MAY -	Q	DRAW	KV	PG	Y	X	Z	REMARKS	11-FEB-74	LENGTH	23:14	PAGE 4
RUN NAME																EXCEPTIONS	RUN NUMBER
CYC ADDR 0	L	A0BE1	1-01					D05-6				2					30
CYC ADDR 0	L	A07E1	1-02					D05-6				1					30
CYC ADDR 0	L	B03V1	1-03					D05-6									30
CYC ADDR 0			1											12-6/8			30
CYC ADDR 7	L	A07H1	1-01					D05-6				2					31
CYC ADDR 7	L	A08H1	1-02					D05-6				1					31
CYC ADDR 7	L	B03S1	1-03					D05-6									31
CYC ADDR 7			1											11-3/8			31
DC LOW	H	A04D1	1-01					D05-8				1					32
DC LOW	H	B08F2	1-02					D05-8				2					32
DC LOW	H	B07F2	1-03					D05-8									32
DC LOW			1											11-1/8			32
DIFF 1	L	A03A1	1-01					D05-7				1					33
DIFF 1	L	B05N2	1-02					D05-7									33
DIFF 1			1											8-4/8			33
DIFF 10	L	A03E1	1-01					D05-7				1					34
DIFF 10	L	B05T2	1-02					D05-7									34
DIFF 10			1											8-4/8			34
DIFF 2	L	A03B1	1-01					D05-7				1					35
DIFF 2	L	B05P2	1-02					D05-7									35
DIFF 2			1											8-2/8			35
DIFF 4	L	A03D1	1-01					D05-7				1					36
DIFF 4	L	B05R2	1-02					D05-7									36
DIFF 4			1											8-2/8			36
DIFF 8	L	A03C1	1-01					D05-7				1					37
DIFF 8	L	B05S2	1-02					D05-7									37
DIFF 8			1											8-4/8			37
DISK RELAY DR	H	A04N1	1-01					D05-8				1					38
DISK RELAY DR	H	B06P1	1-02					D05-8									38
DISK RELAY DR			1											6-6/8			38
DR UNLOCKING SOLENOID	L	A06P1	1-01					D05-8				1					39
DR UNLOCKING SOLENOID	L	B04V1	1-02					D05-8									39
DR UNLOCKING SOLENOID			1											7-2/8			39
FAULT IND	H	A04N2	1-01					D05-8				1					40
FAULT IND	H	A06H1	1-02					D05-8									40
FAULT IND			1											4-0/8			40

AK051A.D	WRP288.V22(22) 11/06/73	A/P	PIN NAME	ORDER PIN	BAY	Q	DRAW	RV	PG	Y	X	Z	REMARKS	11-FEB-74	LENGTH	23:14	PAGE 5
RUN NAME																EXCEPTIONS	RUN NUMBER
FWD		H	B03J1	1=01				D05=5				1					41
FWD		H	B05J2	1=02				D05=5									41
FWD				1											4=2/8		41
GND 01			A01C2	1=01								1					42
GND 01			A01T1	1=02								2					42
GND 01			B01C2	1=03								1					42
GND 01			R01T1	1=04													42
GND 01				1											13=6/8		42
GND 02			A02C2	1=01								1					43
GND 02			A02T1	1=02								2					43
GND 02			R02C2	1=03								1					43
GND 02			R02T1	1=04													43
GND 02				1											13=6/8		43
GND 03			A03C2	1=01								1					44
GND 03			A03T1	1=02								2					44
GND 03			R03C2	1=03								1					44
GND 03			R03T1	1=04													44
GND 03				1											13=6/8		44
GND 04			A04C2	1=01								1					45
GND 04			A04T1	1=02								2					45
GND 04			R04C2	1=03								1					45
GND 04			R04T1	1=04													45
GND 04				1											13=6/8		45
GND 05			A05C2	1=01								1					46
GND 05			A05T1	1=02								2					46
GND 05			R05C2	1=03								1					46
GND 05			R05T1	1=04													46
GND 05				1											13=6/8		46
GND 06			A06C2	1=01								1					47
GND 06			A06T1	1=02								2					47
GND 06			R06C2	1=03								1					47
GND 06			R06C1	1=04				D05=9				2					47
GND 06			R06T1	1=05				D05=9				1					47
GND 06			R06J1	1=06				D05=9				2					47
GND 06			R06T1	1=07				D05=9				1					47
GND 06			R06S1	1=08				D05=9									47
GND 06				1											23=6/8		47

WRP288,V22(22) 11/06/73										11-FEB-74	23114	PAGE 6
A/P PIN NAME ORDER BAY -										LENGTH	EXCEPTIONS	RUN
Q DRAW RV PG Y X Z REMARKS												NUMBER
RK05Ld.b												
RUN NAME												
GND 07	A07B2	1-01										48
GND 07	A07C2	1-02										48
GND 07	A07M1	1-03										48
GND 07	A07P1	1-04										48
GND 07	A07R1	1-05										48
GND 07	A07S1	1-06										48
GND 07	A07T1	1-07										48
GND 07	A07V1	1-08										48
GND 07	B07B2	1-09										48
GND 07	B07C2	1-10										48
GND 07	B07D1	1-11										48
GND 07	B07E1	1-12										48
GND 07	B07T1	1-13										48
GND 07	B07V2	1-14										48
		1										48
GND 08	A08B2	1-01								37-2/8		49
GND 08	A08C2	1-02										49
GND 08	A08N1	1-03										49
GND 08	A08P1	1-04										49
GND 08	A08R1	1-05										49
GND 08	A08S1	1-06										49
GND 08	A08T1	1-07										49
GND 08	A08V1	1-08										49
GND 08	B08B2	1-09										49
GND 08	B08C2	1-10										49
GND 08	B08D1	1-11										49
GND 08	B08E1	1-12										49
GND 08	B08T1	1-13										49
GND 08	B08V2	1-14										49
		1								37-2/8		49
GOOD STROBE	L B02E1	1-01										50
GOOD STROBE	L B03D1	1-02										50
		1										50
HEAD SELECT	L A01P1	1-01										51
HEAD SELECT	L B07M2	1-02										51
HEAD SELECT	L B08M2	1-03										51
		1										51
HIGH DENSITY	L A01R2	1-01										52
HIGH DENSITY	L B07P2	1-02										52
HIGH DENSITY	L B08P2	1-03										52
		1										52
										10-3/8		52

WRP288,V22(22) 11/06/73										11-FEB-74	23114	PAGE 7
A/P PIN NAME ORDER BAY -										LENGTH	EXCEPTIONS	RUN
Q DRAW RV PG Y X Z REMARKS												NUMBER
RK05Ld.b												
RUN NAME												
HOME	L A04R1	1-01										53
HOME	L B03B1	1-02										53
HOME	L B06F1	1-03										53
		1								9-6/8		53
INDEX PULSE	L A02R2	1-01										54
INDEX PULSE	L A04J1	1-02										54
		1								4-1/8		54
INDEX/SECTOR	L B02D1	1-01										55
INDEX/SECTOR	L B04H2	1-02										55
		1								4-4/8		55
INNER LIMIT	H A05B1	1-01										56
INNER LIMIT	H A03U1	1-02										56
INNER LIMIT	H B02J1	1-03										56
		1								11-0/8		56
INTERLOCK	L A04H1	1-01										57
INTERLOCK	L A06R1	1-02										57
		1								4-3/8		57
LIMIT	H A05K1	1-01										58
LIMIT	H B06H1	1-02										58
		1								6-0/8		58
LOAD HEADS	L B03C1	1-01										59
LOAD HEADS	L B04C1	1-02										59
		1								3-4/8		59
LOAD IND	H A04L1	1-01										60
LOAD IND	H A06A1	1-02										60
LOAD IND		1								4-3/8		60
LOAD SW	L A06K1	1-01										61
LOAD SW	L B04D1	1-02										61
LOAD SW		1								6-0/8		61
MOVE	L A03L1	1-01										62
MOVE	L B02P1	1-02										62
		1								6-6/8		62
NO PROTECT	L A01N2	1-01										63
NO PROTECT	L B04H1	1-02										63
		1								6-2/8		63

WK05L0.0H	WRP268.V22(22)	11/06/73	11-FEB-74	23114	PAGE 10
RUN NAME	A/P	PIN	ORDEK	PIN	BAY -
	NAME		ORDER		
SEEK DONE IND	H	A02V1	1-01		
SEEK DONE IND	H	A06F1	1-02		
SEEK DONE IND			1		
SEL/WRITE PROTECT SET	L	R02R1	1-01		
SEL/WRITE PROTECT SET	L	R04R1	1-02		
SEL/WRITE PROTECT SET			1		
SELECT	H	A01S2	1-01		
SELECT	H	A04S1	1-02		
SELECT	H	B02V2	1-03		
SELECT			1		
SELECT 1	L	A08J2	1-01		
SELECT 1	L	A07J2	1-02		
SELECT 1	L	B02R2	1-03		
SELECT 1			1		
SELECT 2	L	A08K2	1-01		
SELECT 2	L	A07K2	1-02		
SELECT 2	L	B02S2	1-03		
SELECT 2			1		
SELECT 3	L	A08L2	1-01		
SELECT 3	L	A07L2	1-02		
SELECT 3	L	B02T2	1-03		
SELECT 3			1		
SELECT 4	L	A08M2	1-01		
SELECT 4	L	A07M2	1-02		
SELECT 4	L	B02U2	1-03		
SELECT 4			1		
SELECT/READY	L	A01H2	1-01		
SELECT/READY	L	A04V1	1-02		
SELECT/READY	L	B02H1	1-03		
SELECT/READY			1		
SELECTED READ GATE	H	A01H1	1-01		
SELECTED READ GATE	H	A02F2	1-02		
SELECTED READ GATE			1		
SELECTED WRITE GATE	H	A01V1	1-01		
SELECTED WRITE GATE	H	A02V2	1-02		
SELECTED WRITE GATE			1		

RUN NAME	A/P	PIN NAME	ORDER PIN	BAY ORDER	Q DRAW RV PG Y	X	Z	REMARKS	11-FEB-74 LENGTH	23:14 EXCEPTIONS	PAGE 11 RUN NUMBER
RP288,V22(22)	11/06/73										
SET UNSAFE	L	A01U2		1=01	D05=1		1				95
SET UNSAFE	L	R04A1		1=02	D05=1						95
SET UNSAFE				1							95
SIN POSITION	H	A05M1		1=01	D05=9		1		4=7/8		96
SIN POSITION	H	R06D1		1=02	D05=9						96
SIN POSITION				1							96
STORE	L	R02V1		1=01	D05=2		1				97
STORE	L	R07H1		1=02	D05=2		2				97
STORE	L	R0RH1		1=03	D05=2						97
STORE				1							97
UNSAFE	L	A01L2		1=01	D05=1		1		10=2/8		98
UNSAFE	L	A04V2		1=02	D05=1						98
UNSAFE				1							98
WRITE DATA + CLK	H	A01J1		1=01	D05=1		1				99
WRITE DATA + CLK	H	A07F2		1=02	D05=1		2		5=2/8		99
WRITE DATA + CLK	H	A0RF2		1=03	D05=1						99
WRITE DATA + CLK				1							99
WRITE GATE	L	A01J2		1=01	D05=1		1		10=0/8		100
WRITE GATE	L	R07L2		1=02	D05=1		2				100
WRITE GATE	L	R0RL2		1=03	D05=1						100
WRITE GATE				1							100
WRITE PROTECT SET	L	R02S1		1=01	D05=3		1		10=7/8		101
WRITE PROTECT SET	L	R07R2		1=02	D05=3		2				101
WRITE PROTECT SET	L	R0RR2		1=03	D05=3						101
WRITE PROTECT SET				1							101
WRITE SW OFF	L	A06N1		1=01	D05=7		1		9=4/8		102
WRITE SW OFF	L	R04F1		1=02	D05=7						102
WRITE SW OFF				1							102
WRITE SW ON	L	A06M1		1=01	D05=7		1		6=0/8		103
WRITE SW ON	L	R04E1		1=02	D05=7						103
WRITE SW ON				1							103
WRITING IND	H	A02U1		1=01	D05=5		1		6=0/8		104
WRITING IND	H	A0RE1		1=02	D05=5						104
WRITING IND				1							104
WRITING IND									5=7/8		104