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B-TC-H7441- Ø -1	H7441 UNIT ASSY (FIELD MAINT. PR. SET)
D-UA-H7441- Ø - Ø	H7441 UNIT ASSY
D-UA-5412441-0-0	REGULATOR +5V 32A
B-PL-5412441-0-0	REGULATOR +5V 32A (PL)
D-CS-5412441-0-1	REGULATOR +5V 32A (CS)

[illegible]

H7441
Field Maintenance
Print Set

Digital Equipment Corporation

PRINT SET ORDER NO.
MP00271

REV.	CHG. NO.	DATE	USED ON OPTION/MODEL		DRN.	DATE	TITLE:									
			7013323		D. Healy	NOV 76	H7441 UNIT ASSY									
			1134A		CHK'D	DATE										
					D. Healy	NOV 76										
					PROJ. ENG.	DATE										
					<i>L.P. Day</i>	20 DEC 76										
					FIELD SERV.	DATE										
					<i>Porter</i>	12-20-76										
			SHEET I OF 1													

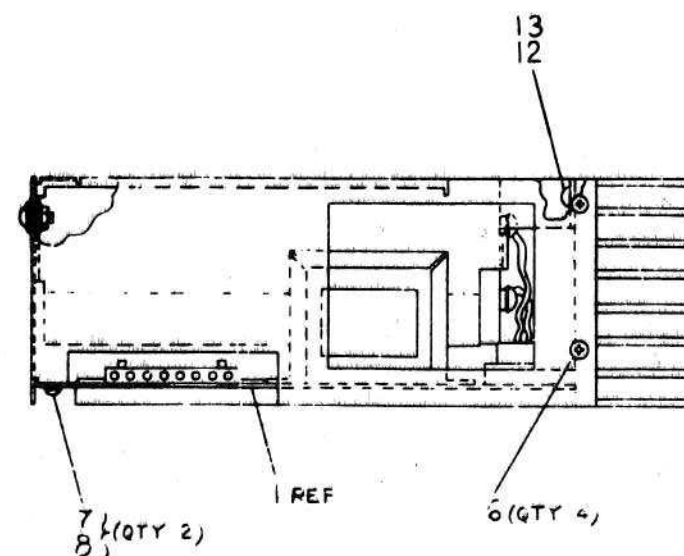
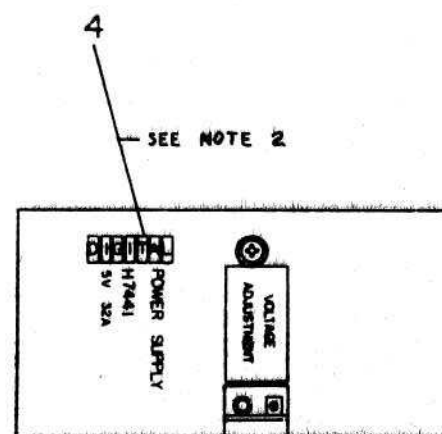
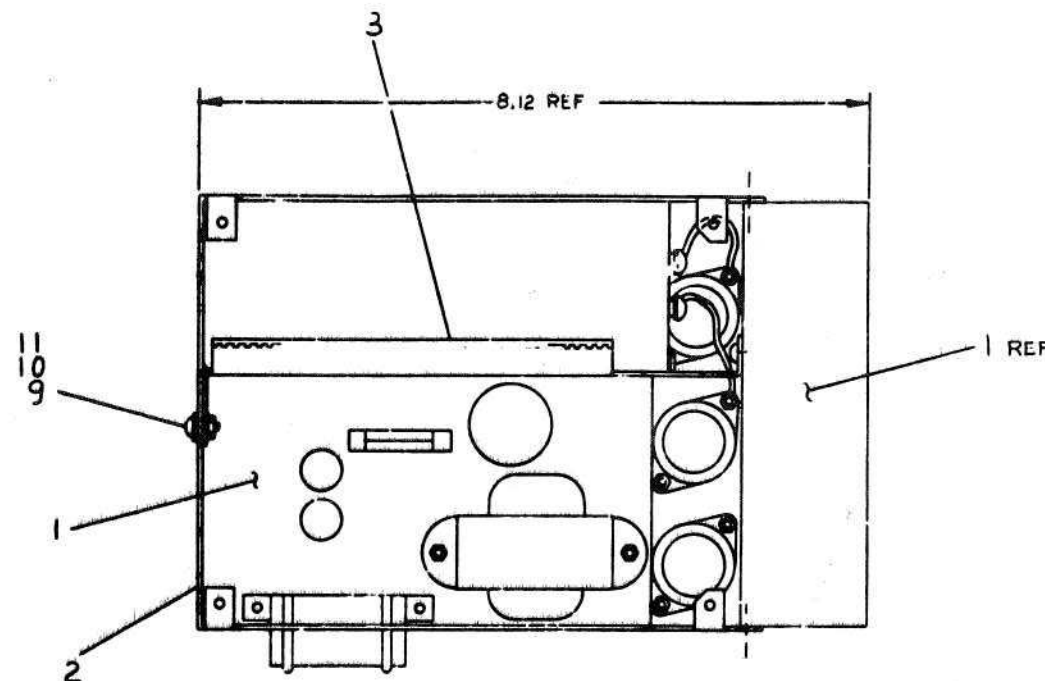
EN-01124-16-4676-(327

627

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NOTES:

1. ATTACH (RED) WIRE FROM ITEM (#1) REF. TO POSITIVE (+) TERMINAL OF CAPACITOR ITEM (#3). ATTACH REMAINING (BLK) WIRE TO THE (-) TERMINAL OF THE CAP (ITEM #3).
2. PEEL AND ATTACH ITEM 4 TO ITEM 2 AS SHOWN.



DESCRIPTION	DWG/PART NO.	ITEM NO.
1 WASHER, LOCK INT. TOOTH #6	9006633	13
1 SCR, PHL PAN HD. #6-32X.38	9006022-01	12
1 NUT, KEPS #6-32X.31	9006560	11
1 WASHER, FLAT #6	9006659	10
1 SCR, PHL PAN HD. #6-32X.31	9006021-01	9
2 WASHER FLAT #4	9008172	8
2 SCR, PHL PAN HD #4-40X.25	9008301-01	7
4 SCR, SELF TAPPING #4-40X.31	9009142-2	6
1 CAPACITOR, 24K, 50 VDC	1010708-00	5
1 DECAL	B-1A-7416945-10	4
1 BRACKET, CAPACITOR	D-1A-7417543-0-0	3
1 BRACKET, REGULATOR	D-1A-5309756-09	2
1 REGULATOR, +5V, 32 A	D-1A-5412441-C-0	1

QUANTITY & VARIATION	DESCRIPTION	DWG/PART NO.	ITEM NO.
1	WASHER, LOCK INT. TOOTH #6	9006633	13
1	SCR, PHL PAN HD. #6-32X.38	9006022-01	12
1	NUT, KEPS #6-32X.31	9006560	11
1	WASHER, FLAT #6	9006659	10
1	SCR, PHL PAN HD. #6-32X.31	9006021-01	9
2	WASHER FLAT #4	9008172	8
2	SCR, PHL PAN HD #4-40X.25	9008301-01	7
4	SCR, SELF TAPPING #4-40X.31	9009142-2	6
1	CAPACITOR, 24K, 50 VDC	1010708-00	5
1	DECAL	B-1A-7416945-10	4
1	BRACKET, CAPACITOR	D-1A-7417543-0-0	3
1	BRACKET, REGULATOR	D-1A-5309756-09	2
1	REGULATOR, +5V, 32 A	D-1A-5412441-C-0	1

REV.	DATE	BY	CHK'D	APP'D
1	31 JAN 77	R. DAY		
2	8 FEB 77	V. DAY		
3	12 MAR 77	W. DAY		
4	13 MAR 77	W. DAY		
5	13 MAR 77	W. DAY		
6	13 MAR 77	W. DAY		
7	13 MAR 77	W. DAY		
8	13 MAR 77	W. DAY		
9	13 MAR 77	W. DAY		
10	13 MAR 77	W. DAY		
11	13 MAR 77	W. DAY		
12	13 MAR 77	W. DAY		
13	13 MAR 77	W. DAY		
14	13 MAR 77	W. DAY		
15	13 MAR 77	W. DAY		
16	13 MAR 77	W. DAY		
17	13 MAR 77	W. DAY		
18	13 MAR 77	W. DAY		
19	13 MAR 77	W. DAY		
20	13 MAR 77	W. DAY		

THE UNITED STATES GOVERNMENT, WASHINGTON, D. C. 20540
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1977 O 577-0000

NOTES: 1. MOUNT WIRES PER I.A. DRAWING NO. IA 7013274. RED WIRE TO CASE Q2 AND POSITIVE TERMINAL C1 & BLACK WIRE TO CASE D12 AND NEGATIVE TERMINAL C1.

2. WIRE RUN (6) IS SOLDERED AT D1

3. WIRE RUN (1) IS SOLDERED AT D1

4. STRAP (4) (ITEM #26) IS SOLDERED AT FEEDTHROUGH SHOWN AND MOUNTED UNDER RING LUG OF D12.

5. WIRE RUN (5) IS SOLDERED AT D1 AND CRIMPED TO RING LUG ITEM #87 OF D12

6. WIRE RUN (4) IS SOLDERED AT D1 AND CRIMPED TO RING LUG ITEM #87 OF Q2.

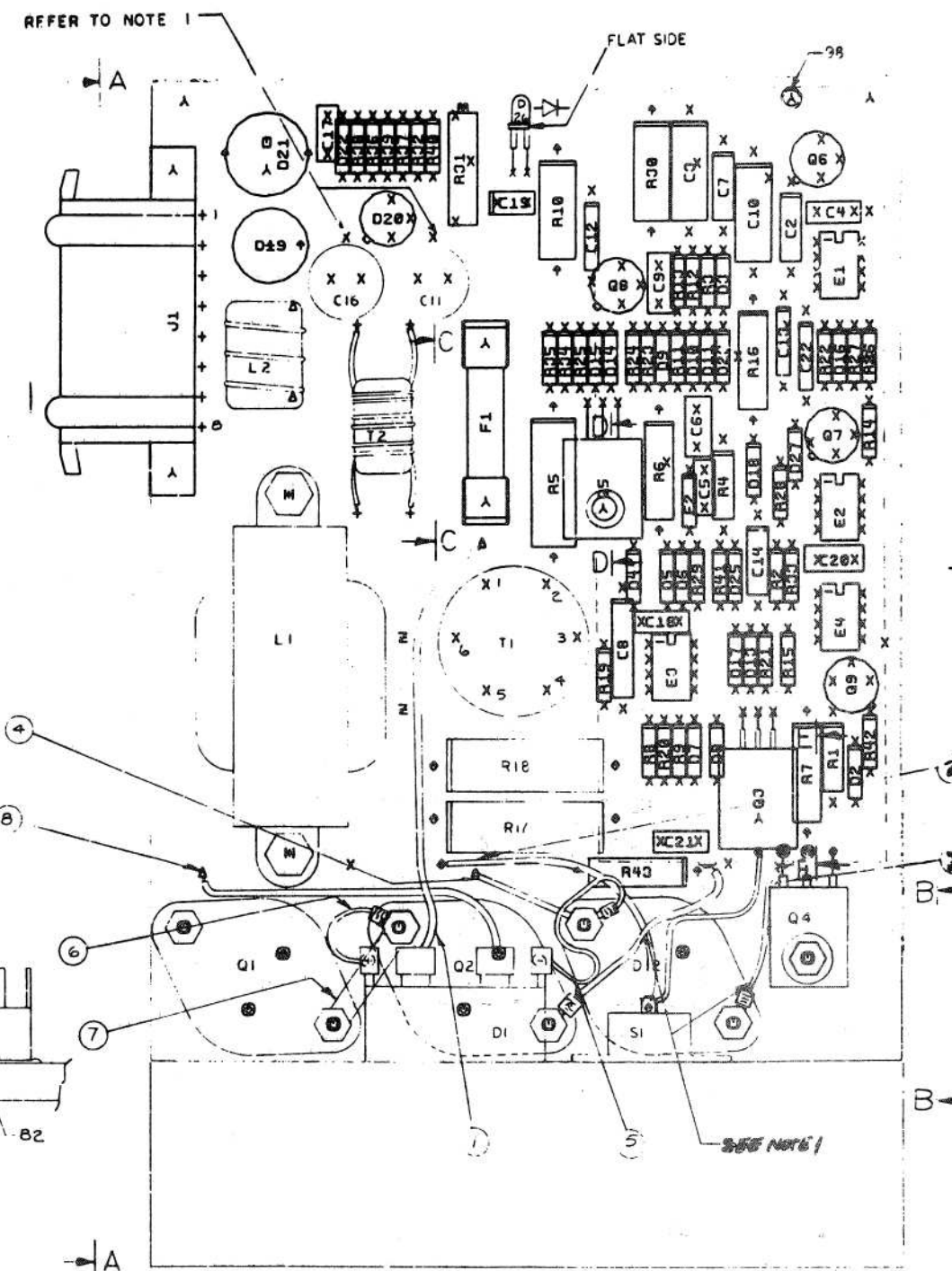
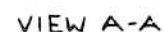
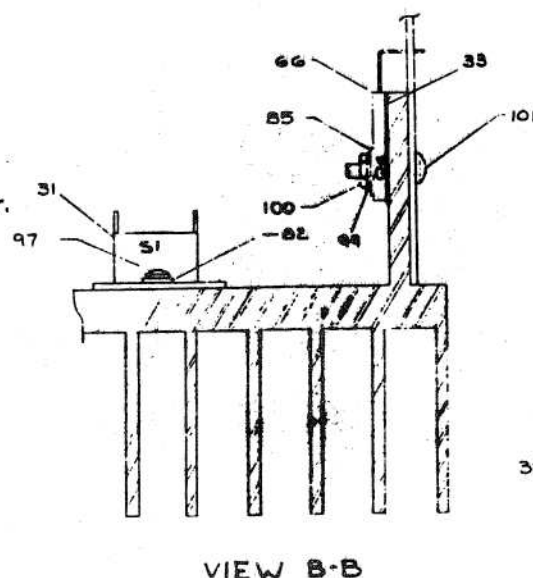
7. BUS STRAP (7) (ITEM #25) IS MOUNTED UNDER RING LUG OF Q2 AND ON CASE OF Q1.

8. TORQUE HARDWARE ON Q1, Q2, Q4 AND D12 TO BINCH-LBS. FROM NUT SIDE ONLY. TORQUE OTHER HARDWARE TO DEC STALL VALUES

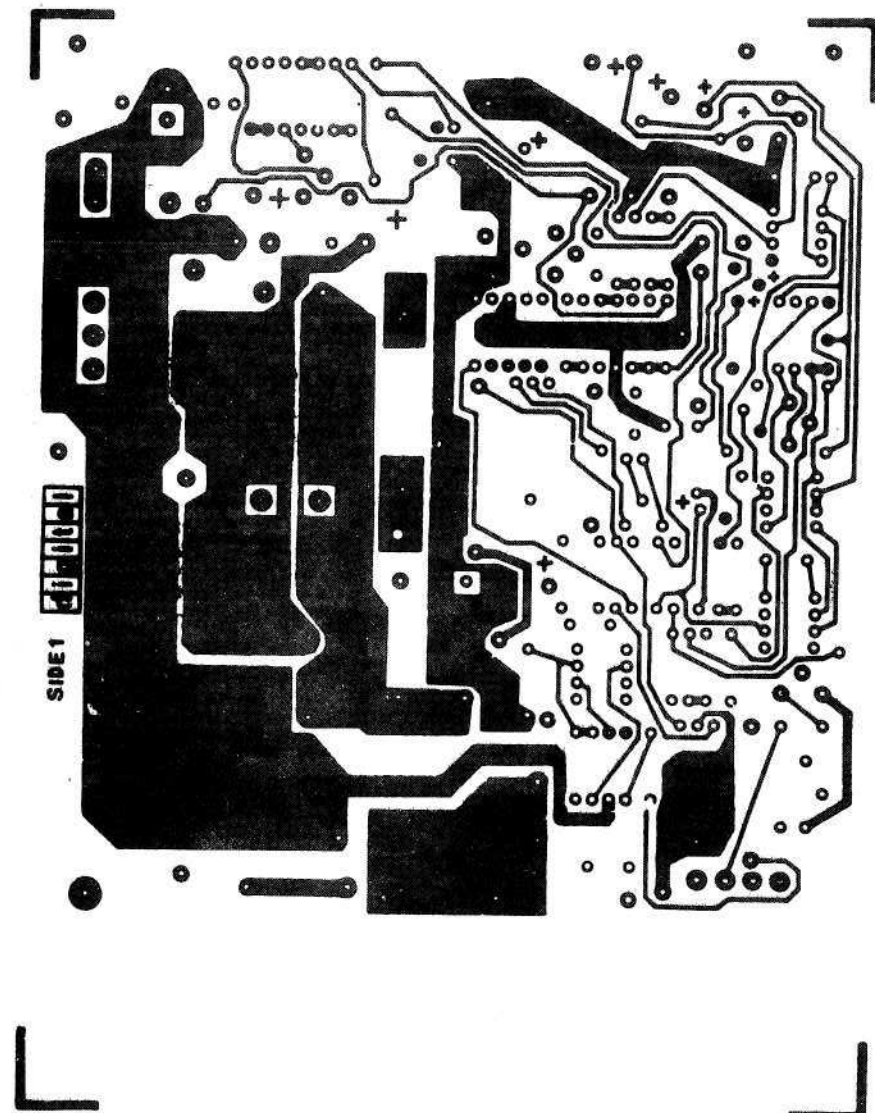
9. APPLY THERMAL COMPANENT TO D1 (ITEM 19) ONLY

1. INDICATED DRILL POINTS AT CII AND C16 SHOULD NOT BE USED FOR DRILL ALIGNMENT DURING MANUFACTURE. THESE OVERSIZED PADS WILL NOT CENTER WITH DRILL BORING.

EXCHANGE NO	REV
SAI2141-00097	H
<i>Hand Book</i>	<i>Wen</i>
RUN	-
<i>BY</i>	<i>Pit</i>
<i>12-54-94-B</i>	<i>J</i>
<i>100-10-8-200-2</i>	
B.GIST	
<i>for 1st 1st 1st 1st 1st</i>	



SIGNATURES		DATE	digital
DRN. B. J. J.	5/20/71		
CHK'D. J. J. J.	5/20/71		
ENG. J. J. J.	5/20/71		
PROJ. ENG. J. J. J.	5/20/71		
PROD. J. J. J.	5/20/71		
TITLE: +5V, 32 AMP REGULATOR		SIZE CODE	NUMBER
SCALE 2/1		0 UA	5412441-2-0
SHT. 1 OF 3			
NEXT HIGHER ASSY. B-DD-5412441-0			



SIDE 1

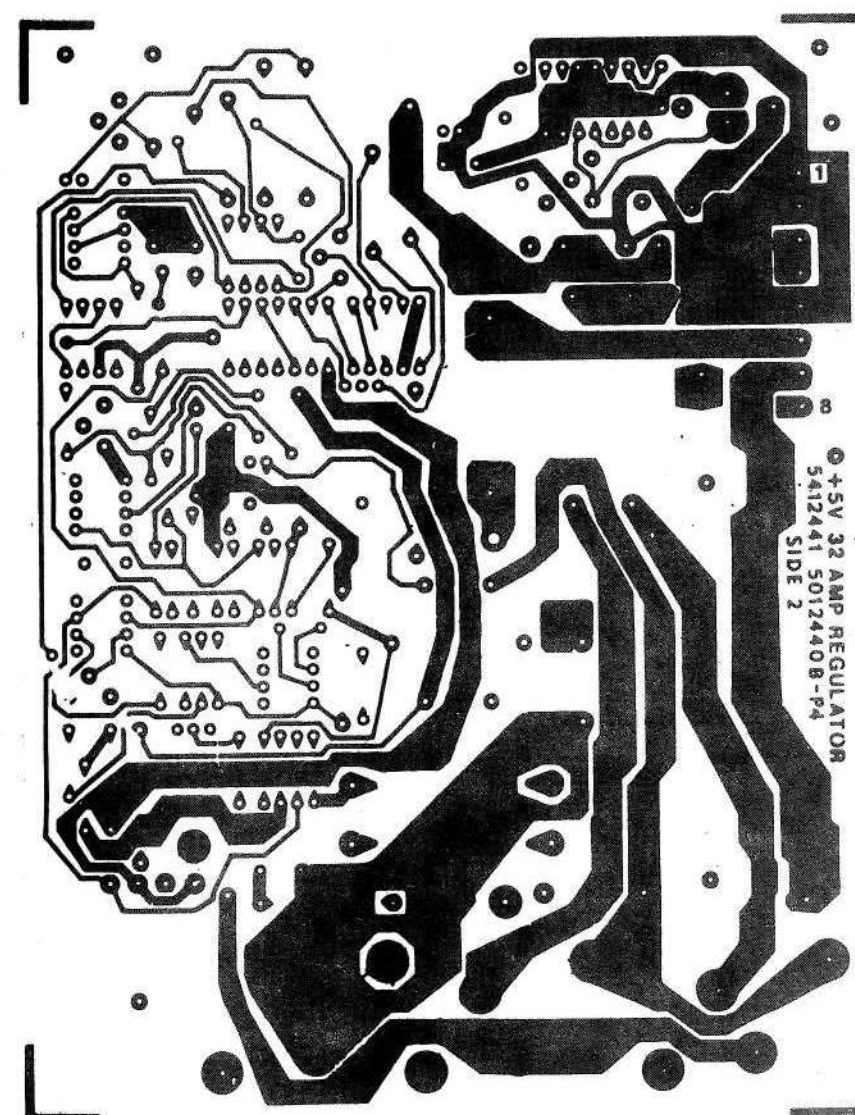
REV.	DATE	BY	CHK

+5V, 32AMP, REGULATOR				D	UA	5412441-0-0	J
2/1	2	3					

REVISIONS		
CHK	CHANGE NO.	REV.

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+5V, 32AMP REGULATOR		D UA	5412441-0-0	
2/1	3 of 3			



LINE	ITEM	DOCUMENT NO.	PART NO.	DESCRIPTION	QTY	REFERENCE DESIGNATORS
1	1	D-MD-5012440-0-0	5012440-00	5412441	1	
2	2		1000009-00	33.0 MMF 100V 5X200PPM DM15S (10-00	1	C20
3	3		1000021-00	220.0 MMF 100V 5X200PPM DM15S (10-00	1	C9
4	4		1001610-01	.01 MFD 100V OR 50V Z5U DISC/800PF MIN	5	C4,C5,C17,C18,C21
5	5		1002627-00	2.2MFD 20V 10% 150D S.TA (10	2	C2,C7
6	6		1004813-00	10 MFD 20V 10% 150D S.TA (10-00	1	C8
7	7		1010279-00	.47 MFD 25V 20% 2C023 CER.	1	C19
8	8		1010646-00	.015 MFD 50V 2% M.POLYCARB	2	C3,C10
9	9		1010702-00	24,000 MFD 50V 6% 36D AL EL	1	C1
10	10		1012607-00	560 MFD 20V HX 672D AL EL	1	C11
11	11		1012607-01	1200 MFD 6.3V HX 672D AL EL	1	C14
12	12		1009964-00	.68 MFD 35V 10% 150D S.TA	1	C12
13	13		1001776-00	1 MFD 35V 10% 150D S.TA (10-00	3	C13,C14,C22
14	14		1000024-00	470.0 MMF 100V 5X200PPM DM15S (10-00	1	C6
15	15		1105508-00	1N 823 VZ= 4.2 5% .40W Y	1	D18
16	16		1102808-00	1N 752A VZ= 5.6 5% .40W P	1	D22
17	17		1103341-00	MR1033B PIV=300 I= 3A Z44 8H	1	D19
18	18		1105275-00	D 672 TR= 15NS FIV= 60V SP	15	D3-D6,D9-D11,D13-D17,D23,D25,
19	19		1110051-00	DM 16 ASSY@200V & 25A @990-3	CONT	D27
20	20		1110324-00	LED 1MCD@10MA @HV5054-10MP4882	1	D1
21	21		1110836-00	1N 759A VZ= 12.0 5% .40W P	1	D26
22	22		1110968-00	2N 5062 SCRS100V I=.8A T092	1	D2
23	23		1112595-01	A114B PIV=200 I= 1A	1	D20
24	24		1113496-00	UES602R PIV=100 I=30A T03	2	D7,D8
25	25		1214074-04	STRAP,THERMAL 2 HOLE	1	D12
26	26		1214074-05	STRAP,THERMAL LUG .815	1	
27	27		1209070-00	FUSE, SUB-MINI, 5.000A, 125V, RADIAL LEAD	1	F2
28	28		1209340-00	MATE-N-LOK SPIN,HOUSING,SKT	1	J1
29	29		1209456-01	MATE-N-LOK SKT PCB TAB LOOSE	8	

REVISION HISTORY			VARIATIONS FOR THIS ASSY.		FIRST USED ON:		DIGITAL EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS	
CHK	ECO NO	REV			MADE BY:	DATE:	TITLE	
SC	00008	J	00		D.SIREEN	10-MAR-78	PARTS LIST	
					CHECKED:	DATE:	45V 32 AMP REGULATOR	
					DSN.ENG.:	DATE:		
					PROD.:	DATE:	SIZE CODE DOCUMENT NUMBER REV	
					RESP.ENG.:	DATE:	K PL 5412441-0-0 J	
							ASSY.NO.: D-UA-5412441-0-0 EDIT#	
							6	

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LINE	ITEM	DOCUMENT NO.	PART NO.	DESCRIPTION	QTY	REFERENCE DESIGNATORS
30	30		1213071-02	INSULATOR,RUBBER SILICONE SM	3	
31	31		1212787-00	THERMOSTAT,02212,C0182,NC	1	S1
32	32		1210737-02	HEAT SINK,REGULATOR	1	
33	33		1213071-06	INSULATOR,RUBBER SILICONE	1	
34	34		1312626-00	2.49 K 1/4W 1% RN55D-F 100PPH	(13-00) 1	R32
35	35		1300229-00	100 1/4W 5% CC	(13-00) 2	R37,R38
36	36		1300250-00	150 1/4W 5% CC	(13-00) 2	R24,R34
37	37		1305322-00	7.5 K 1/4W 1% RN55D-F 100PPH	(13-00) 1	R19
38	38		1300295-00	330 1/4W 5% CC	(13-00) 1	R23
39	39		1301424-00	680 1/4W 5% CC	(13-00) 1	R28
40	40		1301327-00	68 K 1/4W 5% CC	(13-00) 1	R29
41	41		1300439-00	3.3 K 1/4W 5% CC	(13-00) 1	R35
42	42		1310219-00	.25 3W 1% WW	(13-00) 1	R5
43	43		1300248-00	130 1W 5% CC	(13-00) 1	R6
44	44		1302644-00	226 1/4W 1% RN55D-F 100PPH	(13-00) 2	R8,R9
45	45		1300277-00	220 1W 10% CC	(13-00) 1	R16
46	46		1300309-00	390 1/4W 5% CC	(13-00) 1	R40
47	47		1312922-00	536 1/4W 1% RN55D-F 100PPH	(13-00) 1	R33
48	48		1300365-00	1 K 1/4W 5% CC	(13-00) 3	R13,R21,R27
49	49		1300394-00	1.5 K 1/2W 5% CC	(13-00) 1	R1
50	50		1300447-00	4.7 K 1/4W 5% CC	(13-00) 2	R12,R41
51	51		1300479-00	10 K 1/4W 5% CC	(13-00) 4	R14,R15,R22,R42
52	52		1301695-00	47 1/2W 5% CC	(13-00) 1	R4
53	53		1301972-00	270 1/4W 5% CC	(13-00) 1	R11
54	54		1312747-00	56.2 K 1/4W 1% RN55D-F 100PPH	(13-00) 1	R20
55	55		1302751-00	30 1/4W 5% CC	(13-00) 2	R36,R39
56	56		1302871-00	1.21 K 1/4W 1% RN55D-F 100PPH	(13-00) 1	R2
57	57		1303179-00	8.2 K 1/4W 5% CC	(13-00) 2	R25,R26
58	58		1305337-00	3.65 K 1/4W 1% RN55D-F 100PPH	(13-00) 1	R3
59	59		1309143-07	1 K 3/4W10% POT 100PPH	1	R31
60	60		1310868-00	.39 2W 5% WW	(13-00) 1	R10
61	61		1313712-00	.01 5W 3% WW	(13-00) 2	R17,R18
62	62		1312682-00	3 3W 5% CC	(13-00) 1	R7
63	63		1300256-00	150 1W 10% CC	(13-00) 1	R30
64	64		1300171-00	10 1W 5% CC	(13-00) 1	R43
65	65		1510196-00	2N 5302/HSNPN 200WC SI 60 40 H	2	Q1,Q2
66	66		1510555-00	MJE3055 NPN 90WC SI 60 20 Y	1	Q4
67	67		1510705-00	XA 05 NPN 500MW SI 60 50 P	2	Q6,Q7
68	68		1510706-00	XA 55 PNP 500MW SI 60 50 P	1	Q8
69	69		1510708-00	D 45H8 PNP 50WT SI 60 60 Y	1	Q3
70	70		1510928-00	C32AX135 SCR@100V I=25A	1	D21
71	71		1512790-00	D 44C11 NPN 30W SI 80 40	1	Q5
72	72		1511686-00	DEC5433 FET N 350MW 10 25 1A 20U	1	Q9
73	73		1612584-00	50 UH 30A	1	L1
74	74		1612592-00	PULSE XFMR,RATIO 4:1	1	T1
75	75		1613713-00	CHOKE, 5 UH 32A	1	L2
76	76		1613714-00	2 UH 20A	1	T2
77	77		1910282-00	301AN OP AMP	2	E3,E4

DIGITAL EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS	TITLE PARTS LIST +5V 32 AMP REGULATOR	SIZE K	CODE PL	DOCUMENT NUMBER 5412441-0-0	REV J
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LINE	ITEM	DOCUMENT NO.	PART NO.	DESCRIPTION	QTY	REFERENCE DESIGNATORS
78	78		1911944-00	555CN TIMER,FUNCT.BLOCK	2	E1,E2
79	79		7013274-00	JUMPER CAP TRAWS	1	
80	80		7013274-01	JUMPER CAP TRAWS	1	
81	81		7414765-00	HEATSINK	1	
82	82		9006633-00	WASHER,LOCK,INT,.2800D X .146ID X .018 THK	3	
83	83		9008172-00	WASHER, FLAT,SS .250 OD X .125 ID X .022 T	3	
84	84		9006660-00	WASHER, FLAT, .375 O.D. X .187 I.D. X .036	2	
85	85		9006653-00	WASHER, FLAT, .375 O.D. X .156 I.D. X .036	1	
86	86		9008082-00	WASHER, FLAT, FIBER OD: 1/2	2	
87	87		9007927-00	TERM RING 1POS INSULATED,16-14AWG,ROLL	2	
88	88		9006037-03	SCREW,TRUS,PHIL, 8-32X 3/8 SS/PAS	2	
89	89		9006557-00	NUT,KEP , 4-40X 1/4 AF	CS 1	
90	90		9006563-00	NUT,KEP , 8-32 X11/32AF	CS 2	
91	91		9007203-00	CLIP, FUSE, WITH STOP, SCREW MOUNTED	2	
92	92		9007226-00	FUSE, REG BLOW, 15.000A, 32V, GLASS	1	F1
93	93		9008268-00	COMPOUND, THERMAL JOINT	A/R	
94	94		9006012-01	SCREW,PAN ,PHIL, 4-40X 7/16 SS/PAS	2	
95	95		9009000-00	EYELET, ROLLED FLANGE, .121 OD X .156 LG	4	
96	96		9009769-00	WASHER, RECTANGULAR .405X.225X.060	1	
97	97		9006021-01	SCREW,PAN ,PHIL, 6-32X 5/16 SS/PAS	2	
98	98		9007660-00	SPACER, FIBER, RND, 4-40, .250 X .500 LG	1	
99	99		9007801-00	WASHER, LOCK, S.S. #6	7	
100	100		9008957-00	NUT,HEX , 6-32X 1/4 AF X 3/32 THK SS	7	
101	101		9007793-01	SCREW,PAN ,PHIL, 6-32X 9/16 SS/PAS	8	
102	102		9006010-01	SCREW,PAN ,PHIL, 4-40X 5/16 SS/PAS	1	
103	103		9107360-99	WIRE,STRND,18AWG,IPVC UL1429 (91-00 A/R		
104	104		9107370-00	WIRE,STRND,14AWG,IPVC UL1534 (91-00 A/R		

DIGITAL EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS	TITLE +5V 32 AMP REGULATOR	PARTS LIST	SIZE CODE K PL	DOCUMENT NUMBER 5412441-0-0	REV J
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