

R. Tinga.

H720
power supply and
mounting box
engineering drawings

H720 Power Supply & Mounting Box

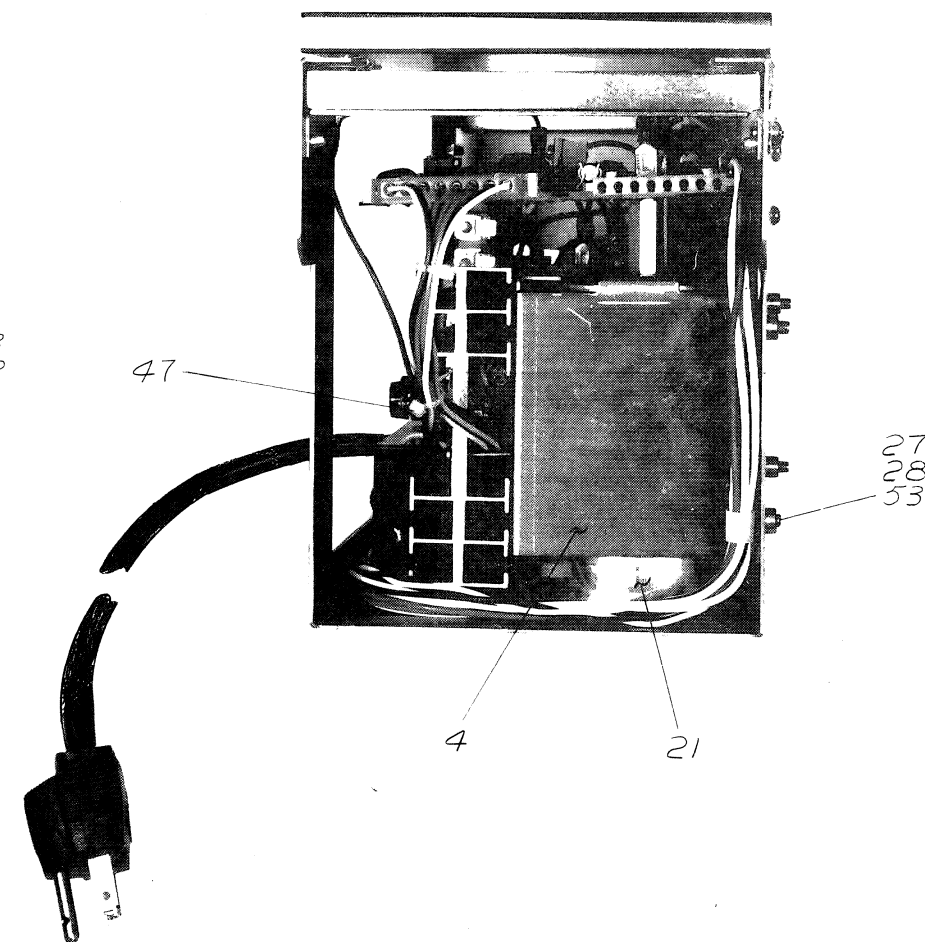
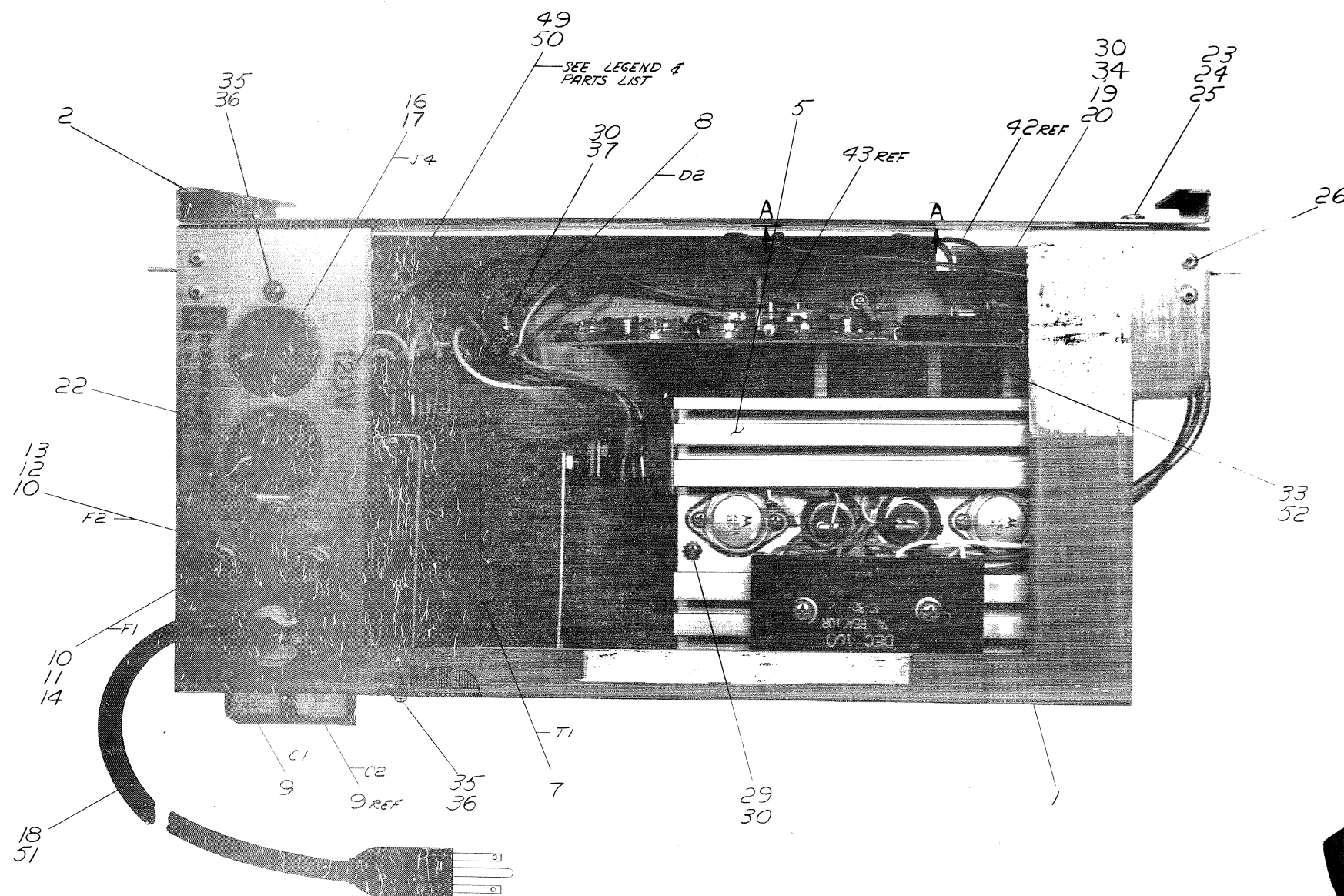
D-UA-H720-0-0	4	H720 Power Supply
A-PL-H720-0-0	3	H720 Power Supply (parts list)
D-CS-H720-0-1	1	H720 Circuit Schematic
D-CS-5408475-0-1	1	Power Regulator Board Assembly (A & B Models)
D-CS-5409267-0-1	1	Power Regulator Board Assembly (E & F Models)
D-UA-11/20-0-0	2	Basic Assy/Configuration (PDP-11)
D-UA-H960-C—0	1	Cabinet Assembly (PDP-11)
D-UA-KY11-A-0	1	Console Assembly KY11-A
D-UA-KY11-B-0	1	Console Assembly KY11-B
D-UA-KY11-C-0	1	Console Assembly KY11-C
E-UA-H952-HA-0	1	Table Assembly
E-UA-BA11-0-0	1	Chassis Assembly (BA11)

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LEGEND		
PART NUMBER	VARIATION	
H720-A	120V 50/60HZ SHOWN	
H720-B	240V 50/60 HZ	
H720-C	120 V	SEE SHT 4 OF 4
H720-D	240V	

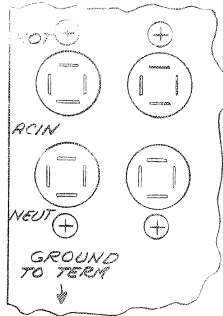
NOTES
1 FOR TO D

REFER



REV	CHANGE NO.	DATE
1	H720-00005	D
2	H720-00006	E
3	H720-00007	F
4	H720-00008	G
5	H720-00009	H
6	H720-00010	I
7	H720-00011	J
8	H720-00012	K
9	H720-00013	L
10	H720-00014	M
11	H720-00015	N
12	H720-00016	O
13	H720-00017	P
14	H720-00018	Q
15	H720-00019	R
16	H720-00020	S
17	H720-00021	T
18	H720-00022	U
19	H720-00023	V
20	H720-00024	W
21	H720-00025	X
22	H720-00026	Y
23	H720-00027	Z
24	H720-00028	AA
25	H720-00029	AB
26	H720-00030	AC
27	H720-00031	AD
28	H720-00032	AE
29	H720-00033	AF
30	H720-00034	AG
31	H720-00035	AH
32	H720-00036	AI
33	H720-00037	AJ
34	H720-00038	AK
35	H720-00039	AL
36	H720-00040	AM
37	H720-00041	AN
38	H720-00042	AO
39	H720-00043	AP
40	H720-00044	AQ
41	H720-00045	AR
42	H720-00046	AS
43	H720-00047	AT
44	H720-00048	AU
45	H720-00049	AV
46	H720-00050	AW
47	H720-00051	AX
48	H720-00052	AY
49	H720-00053	AZ
50	H720-00054	BA
51	H720-00055	BB
52	H720-00056	BC
53	H720-00057	BD
54	H720-00058	BE
55	H720-00059	BF
56	H720-00060	BG
57	H720-00061	BH
58	H720-00062	BI
59	H720-00063	BJ
60	H720-00064	BK
61	H720-00065	BL
62	H720-00066	BM
63	H720-00067	BN
64	H720-00068	BO
65	H720-00069	BP
66	H720-00070	BQ
67	H720-00071	BR
68	H720-00072	BS
69	H720-00073	BT
70	H720-00074	BU
71	H720-00075	BV
72	H720-00076	BW
73	H720-00077	BX
74	H720-00078	BY
75	H720-00079	BZ
76	H720-00080	CA
77	H720-00081	CB
78	H720-00082	CC
79	H720-00083	CD
80	H720-00084	CE
81	H720-00085	CF
82	H720-00086	CG
83	H720-00087	CH
84	H720-00088	CI
85	H720-00089	CJ
86	H720-00090	CK
87	H720-00091	CL
88	H720-00092	CM
89	H720-00093	CN
90	H720-00094	CO
91	H720-00095	CP
92	H720-00096	CQ
93	H720-00097	CR
94	H720-00098	CS
95	H720-00099	CT
96	H720-00100	CU
97	H720-00101	CV
98	H720-00102	CW
99	H720-00103	CX
100	H720-00104	CY
101	H720-00105	CZ
102	H720-00106	DA
103	H720-00107	DB
104	H720-00108	DC
105	H720-00109	DD
106	H720-00110	DE
107	H720-00111	DF
108	H720-00112	DG
109	H720-00113	DH
110	H720-00114	DI
111	H720-00115	DJ
112	H720-00116	DK
113	H720-00117	DL
114	H720-00118	DM
115	H720-00119	DN
116	H720-00120	DO
117	H720-00121	DP
118	H720-00122	DQ
119	H720-00123	DR
120	H720-00124	DS
121	H720-00125	DT
122	H720-00126	DU
123	H720-00127	DV
124	H720-00128	DW
125	H720-00129	DX
126	H720-00130	DY
127	H720-00131	DZ
128	H720-00132	EA
129	H720-00133	EB
130	H720-00134	EC
131	H720-00135	ED
132	H720-00136	EE
133	H720-00137	EF
134	H720-00138	EG
135	H720-00139	EH
136	H720-00140	EI
137	H720-00141	EJ
138	H720-00142	EK
139	H720-00143	EL
140	H720-00144	EM
141	H720-00145	EN
142	H720-00146	EO
143	H720-00147	EP
144	H720-00148	EQ
145	H720-00149	ER
146	H720-00150	ES
147	H720-00151	ET
148	H720-00152	EU
149	H720-00153	EV
150	H720-00154	EW
151	H720-00155	EX
152	H720-00156	EY
153	H720-00157	EZ
154	H720-00158	FA
155	H720-00159	FB
156	H720-00160	FC
157	H720-00161	FD
158	H720-00162	FE
159	H720-00163	FF
160	H720-00164	FG
161	H720-00165	FH
162	H720-00166	FI
163	H720-00167	FJ
164	H720-00168	FK
165	H720-00169	FL
166	H720-00170	FM
167	H720-00171	FN
168	H720-00172	FO
169	H720-00173	FP
170	H720-00174	FQ
171	H720-00175	FR
172	H720-00176	FS
173	H720-00177	FT
174	H720-00178	FU
175	H720-00179	FV
176	H720-00180	FW
177	H720-00181	FX
178	H720-00182	FY
179	H720-00183	FZ
180	H720-00184	GA
181	H720-00185	GB
182	H720-00186	GC
183	H720-00187	GD
184	H720-00188	GE
185	H720-00189	GF
186	H720-00190	GG
187	H720-00191	GH
188	H720-00192	GI
189	H720-00193	GJ
190	H720-00194	GK
191	H720-00195	GL
192	H720-00196	GM
193	H720-00197	GN
194	H720-00198	GO
195	H720-00199	GP
196	H720-00200	GQ
197	H720-00201	GR
198	H720-00202	GS
199	H720-00203	GT
200	H720-00204	GU
201	H720-00205	GV
202	H720-00206	GW
203	H720-00207	GX
204	H720-00208	GY
205	H720-00209	GZ
206	H720-00210	HA
207	H720-00211	HB
208	H720-00212	HC
209	H720-00213	HD
210	H720-00214	HE
211	H720-00215	HF
212	H720-00216	HG
213	H720-00217	HH
214	H720-00218	HI
215	H720-00219	HJ
216	H720-00220	HK
217	H720-00221	HL
218	H720-00222	HM
219	H720-00223	HN
220	H720-00224	HO
221	H720-00225	HP
222	H720-00226	HQ
223	H720-00227	HR
224	H720-00228	HS
225	H720-00229	HT
226	H720-00230	HU
227	H720-00231	HV
228	H720-00232	HW
229	H720-00233	HX
230	H720-00234	HY
231	H720-00235	HZ
232	H720-00236	IA
233	H720-00237	IB
234	H720-00238	IC
235	H720-00239	ID
236	H720-00240	IE
237	H720-00241	IF
238	H720-00242	IG
239	H720-00243	IH
240	H720-00244	II
241	H720-00245	IJ
242	H720-00246	IK
243	H720-00247	IL
244	H720-00248	IM
245	H720-00249	IN
246	H720-00250	IO
247	H720-00251	IP
248	H720-00252	IQ
249	H720-00253	IR
250	H720-00254	IS
251	H720-00255	IT
252	H720-00256	IU
253	H720-00257	IV
254	H720-00258	IW
255	H720-00259	IX
256	H720-00260	IY
257	H720-00261	IZ
258	H720-00262	JA
259	H720-00263	JB
260	H720-00264	JC
261	H720-00265	JD
262	H720-00266	JE
263	H720-00267	JF
264	H720-00268	JG
265	H720-00269	JH
266	H720-00270	JI
267	H720-00271	JK
268	H720-00272	KL
269	H720-00273	KM
270	H720-00274	KN
271	H720-00275	KO
272	H720-00276	KP
273	H720-00277	KQ
274	H720-00278	KR
275	H720-00279	KS
276	H720-00280	KT
277	H720-00281	KU
278	H720-00282	KV
279	H720-00283	KW
280	H720-00284	KX
281	H720-00285	KY
282	H720-00286	KZ
283	H720-00287	LA
284	H720-00288	LB
285	H720-00289	LC
286	H720-00290	LD
287	H720-00291	LE
288	H720-00292	LF
289	H720-00293	LG
290	H720-00294	LH
291	H720-00295	LI
292	H720-00296	LJ
293	H720-00297	LK
294	H720-00298	LL
295	H720-00299	LM
296	H720-00300	LN
297	H720-00301	LO
298	H720-00302	LP
299	H720-00303	LQ
300	H720-00304	LR
301	H720-00305	LS
302	H720-00306	LT
303	H720-00307	LU
304	H720-00308	LV
305	H720-00309	LW
306	H720-00310	LX
307	H720-00311	LY
308	H720-00312	LZ
309	H720-00313	MA
310	H720-00314	MB
311	H720-00315	MC
312	H720-00316	MD
313	H720-00317	ME
314	H720-00318	MF
315	H720-00319	MG
316	H720-00320	MH
317	H720-00321	MI
318	H720-00322	MJ
319	H720-00323	MK
320	H720-00324	ML
321	H720-00325	MM
322	H720-00326	MN
323	H720-00327	MO
324	H720-00328	MP
325	H720-00329	MQ
326	H720-00330	MR
327	H720-00331	MS
328	H720-00332	MT
329	H720-00333	MU
330	H720-00334	MV
331	H720-00335	MW
332	H720-00336	MX
333	H720-00337	MY
334	H720-00338	MZ
335	H720-00339	NA
336	H720-00340	NB
337	H720-00341	NC
338	H720-00342	ND
339	H720-00343	NE
340	H720-00344	NF
341	H720-00345	NG
342	H720-00346	NH
343	H720-00347	NI
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345	H720-00349	NK
346	H720-00350	NL
347	H720-00351	NM
348	H720-00352	NN
349	H720-00353	NO
350	H720-00354	NP
351	H720-00355	NQ
352	H720-00356	NR
353	H720-00357	NS
354	H720-00358	NT
355	H720-00359	NU
356	H720-00360	NV
357	H720-00361	NW
358	H720-00362	NX
359	H720-00363	NY
360	H720-00364	NZ
361	H720-00365	OA
362	H720-00366	OB
363	H720-00367	OC
364	H720-00368	OD
365	H720-00369	OE
366	H720-00370	OF
367	H720-00371	

This drawing is a schematic diagram and the only one showing the internal wiring of the assembly. It is not to be used as a basis for construction or for the basis of any other drawing. It is to be written as shown.



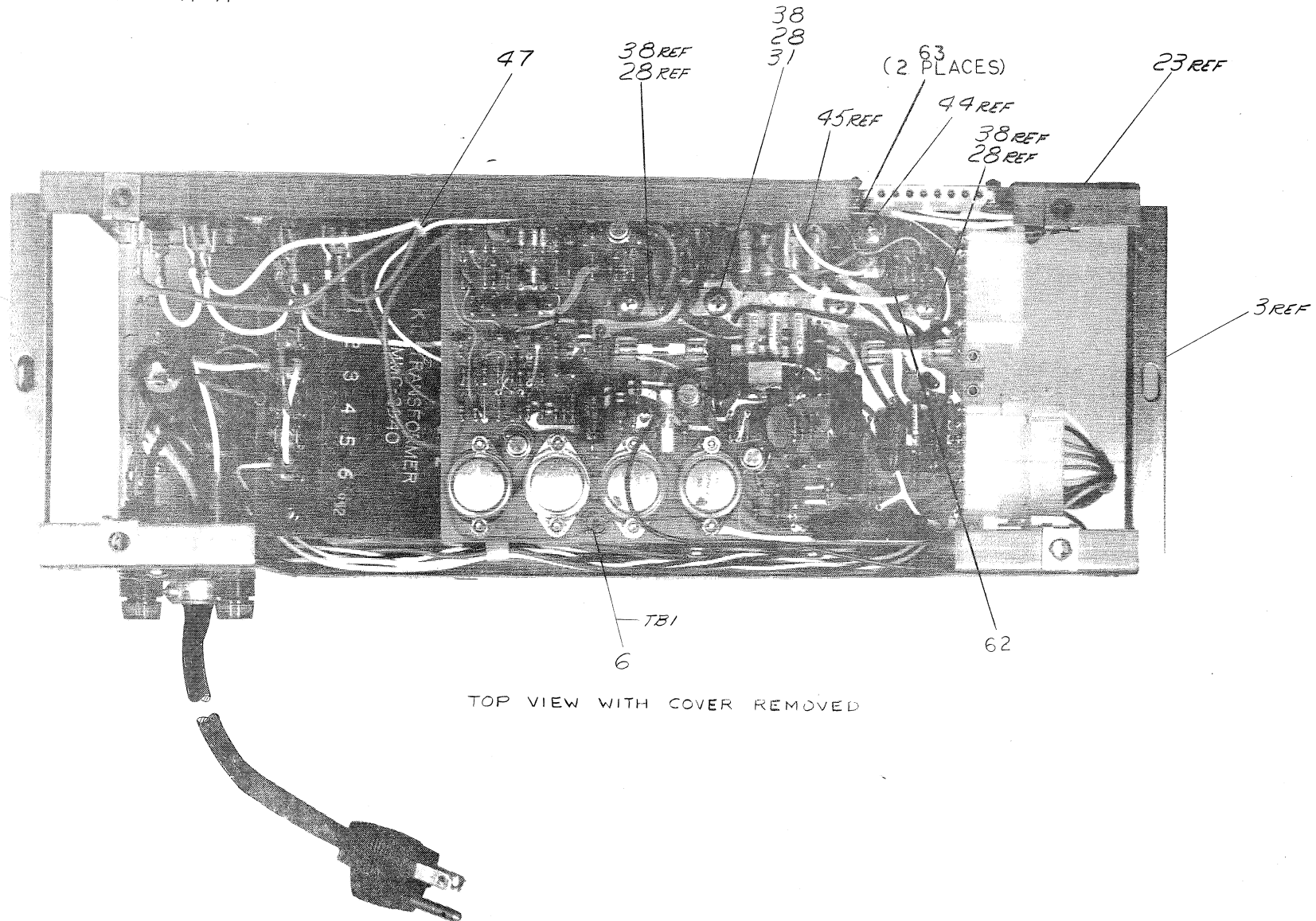
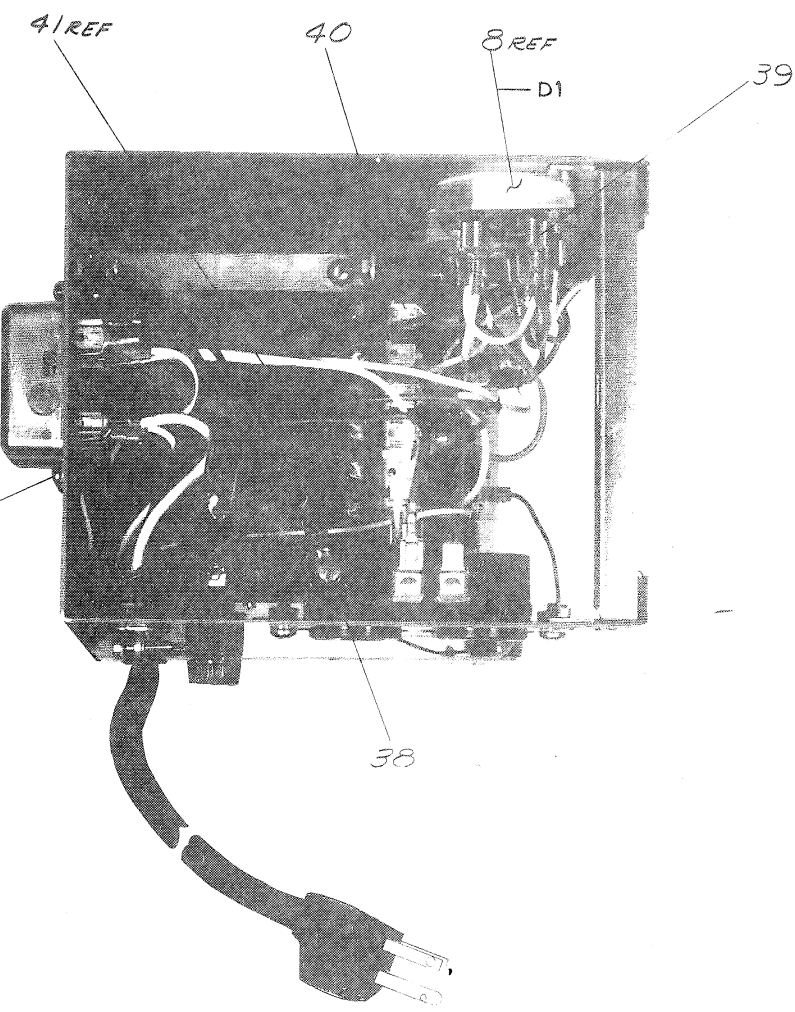
VIEW B-B

22 REF

CAUTION CHECK TRANSFORMER TAPS BEFORE USING		
INPUT VOLTAGE	JUMPER	LINE
120 10%	3-6, 1-4	3, 4
210 10%	2-5	3, 4
225 10%	2-6	3, 4
235 10%	1-5	3, 4
240 10%	1-6	3, 4

VIEW A-A

2 REF



TOP VIEW WITH COVER REMOVED

REV.	CHANGE NO.	CHK.
1		

FIRST USED ON OPTION/MODEL
PDP 11/20

DO NOT SCALE DRAWING UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES		
TOLERANCES	DECIMALS	FRACTIONS
± .005	± 1/64	± 0°30'
FINAL SURFACE QUALITY /		
REMOVE BURRS AND BREAK SHARP CORNERS		
MATERIAL		
FINISH		

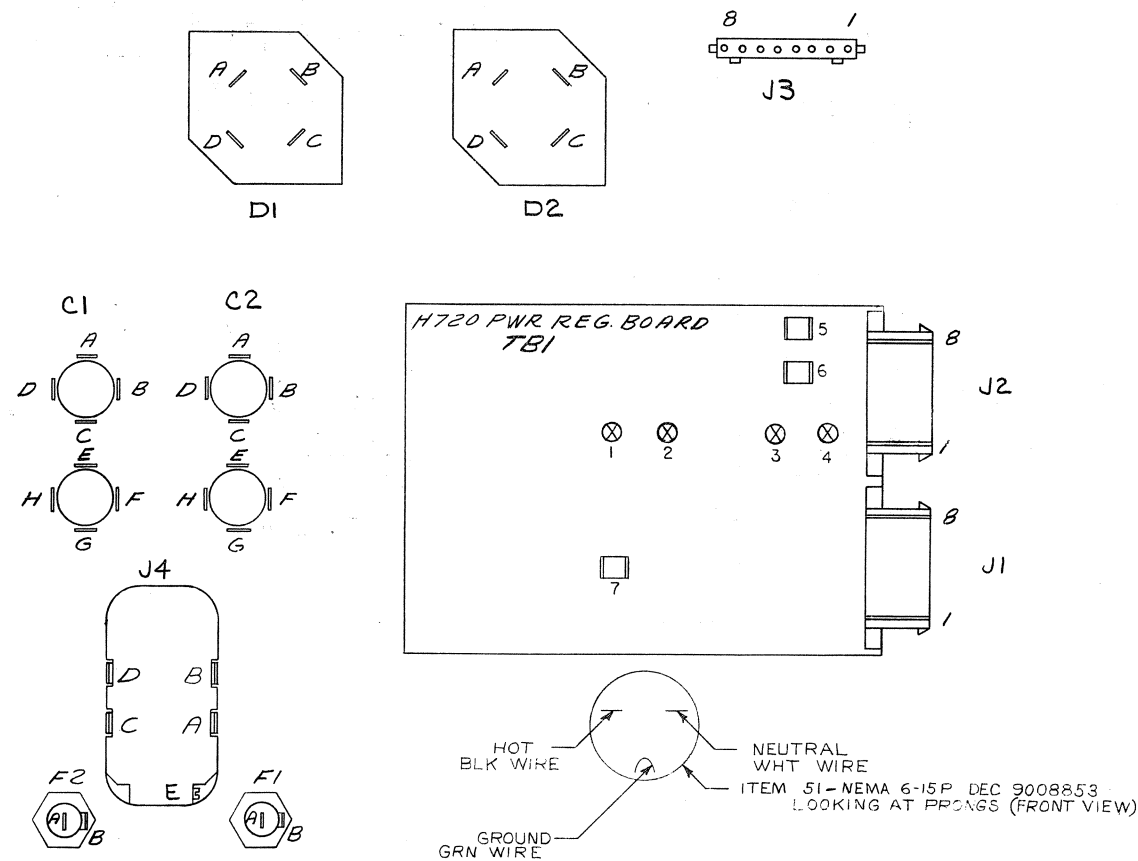
QTY.	DESCRIPTION	PART NO.	ITEM NO.
PARTS LIST			
DRN.	MARCOTTE	DATE	1-28-70
CHK'D.	RUSS	DATE	2-3-70
ENG.	BLASI	DATE	2-4-70
PROJ. ENG.	CADY	DATE	2-4-70
PROD.	MAC DONALD	DATE	2-4-70
D-UR-11/20-0-0			
SCALE			
SHEET 13	OF 13		
TITLE			
H720 POWER SUPPLY ASSEMBLY			
digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS			
SIZE CODE	NUMBER	REV.	
DUA	H720 0-0	K	
DIST.			

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WIRE TABLE						WIRE TABLE					
ITEM NO.	AWG	COLOR	FROM CONNECTION	WITH CONNECTION	TO CONNECTION	ITEM NO.	AWG	COLOR	FROM CONNECTION	WITH CONNECTION	TO CONNECTION
5	22	BRN	—	—	TB1-7	42	14	WHT	T1-3	ITEM40	T1-6
5	—	—	—	—	J1	42	14	WHT	T1-3	ITEM40	C2-B
18	14	BLK	—	—	C1-A	42	14	WHT	T1-11	ITEM40	D2-D
18	14	WHT	—	—	C1-E	42	14	WHT	C2-C	ITEM40	J4-A
18	14	GRN	—	—	J4-E	42	14	WHT	C2-D	ITEM40	J3-8
*41	14	RED	T1-1	ITEM40	T1-4	42	14	WHT	C1-F	ITEM40	J3-2
41	14	RED	T1-7	ITEM40	D2-B	42	14	WHT	D1-B	ITEM39	TB1-4
41	14	RED	C2-E	ITEM40	J3-7	42	14	WHT	D1-B	ITEM40	D1-D
41	14	RED	C2-F	ITEM40	F2-A	42	14	WHT	D1-C	ITEM40	D2-D
41	14	RED	C2-H	ITEM40	J4-C	43	14	BLK	T1-9	ITEM40	TB1-2
41	14	RED	C1-B	ITEM40	F1-A	45	18	WHT	T1-10	ITEM40	TB1-6
41	14	RED	F1-B	SOLDER	J3-1	46	18TWP	WHT	T1-6	ITEM40	J3-6
41	14	RED	T1-4	ITEM40	F2-B	46	18TWP	BLK	F2-B	SOLDER	J3-5
41	14	RED	D1-A	ITEM40	D2-B	46	18TWP	WHT	C2-A	ITEM40	J3-4
41	14	RED	D2-A	ITEM39	D2-C	46	18TWP	BLK	T1-1	ITEM40	J3-3
41	14	RED	D2-A	ITEM40	TB1-1	44	18	RED	T1-8	ITEM40	TB1-5
						63	CAP.		TB1-3	ITEM 63	GND

NOTES:

1. WIRING IN CHART IS FOR H720-A P/S TO CONVERT TO H720-B P/S DELETE WIRING FROM T1-3 TO T1-6 & T1-1 TO T1-4, SHOWN BY ASTERISK (*), ADD WIRE FROM T1-1 TO T1-6
2. ITEM 51 SHOWN FOR PROPER POWER WIRING OF 240VOLT PLUG



FIRST USED ON OPTION/MODEL
PDP11/20

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
MATERIAL
FINISH

QTY.	DESCRIPTION	PART NO.	ITEM NO.
PARTS LIST			
digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS			
TITLE H720 POWER SUPPLY ASSEMBLY			
DUAH720-0-0		NUMBER	REV. K
SHEET 3 OF 4		DIST.	

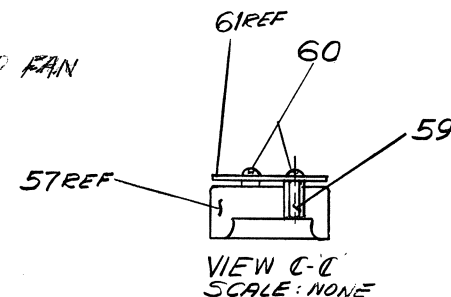
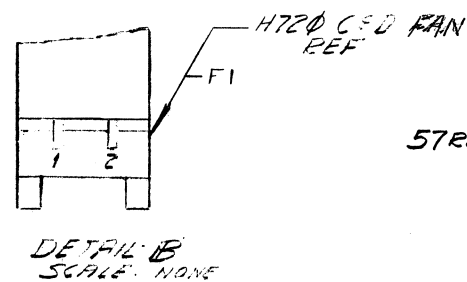
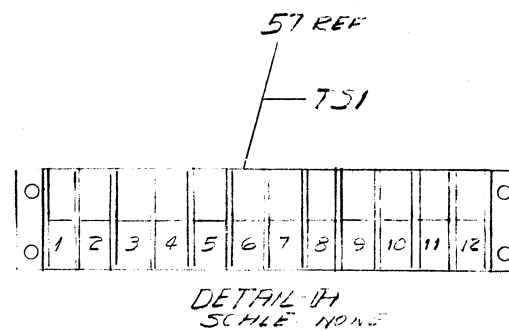
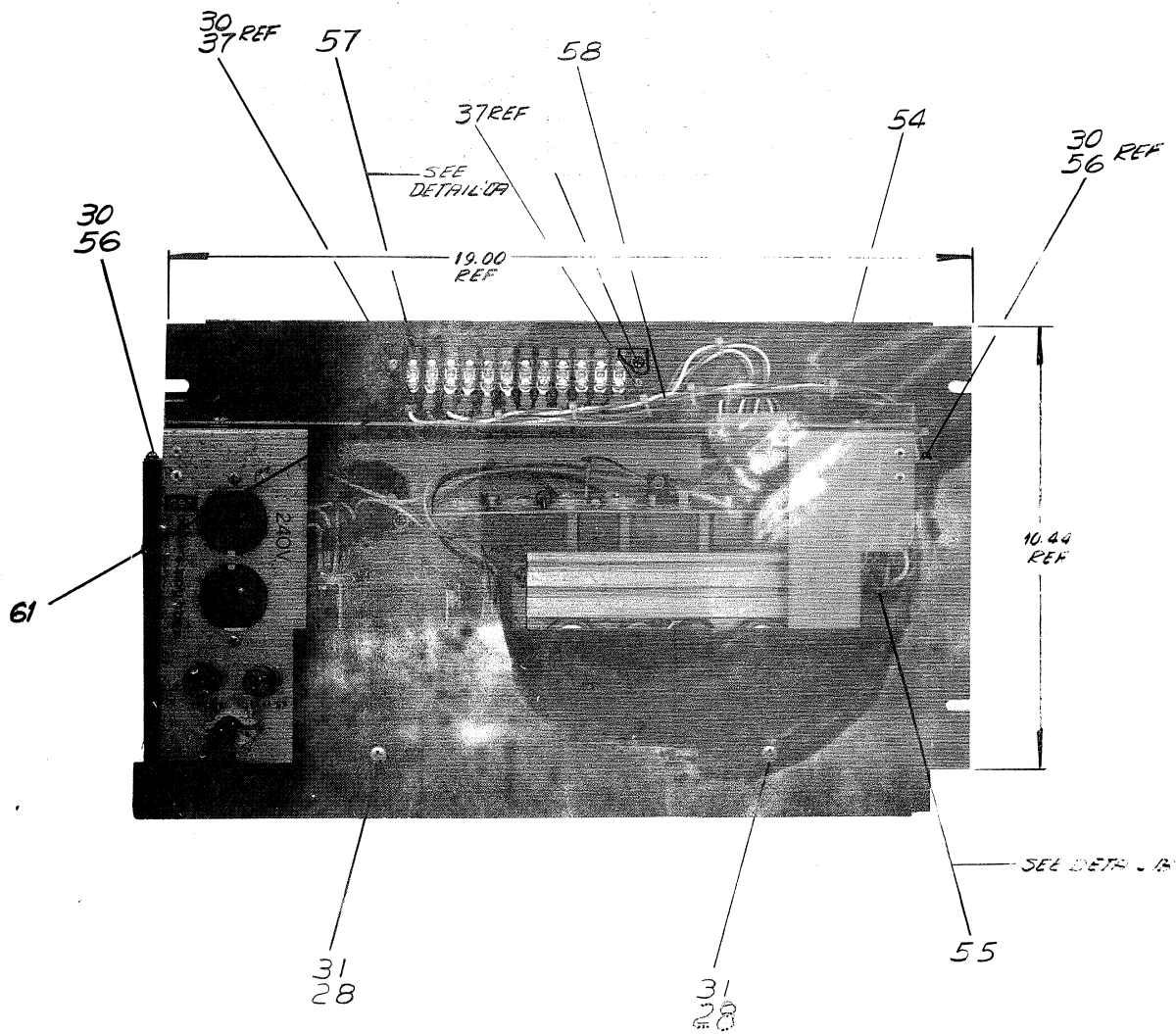
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WIRE TABLE

ITEM NO.	DESCRIPTION	FROM HARNESS	TO P.S.	REMARKS
NO.	AWG	COLOR	POINT NO.	LOCATION
58	14	WHT	1	TS1-1
	14	RED	2	TS1-2
	14	WHT	3	TS1-3
	14	RED	4	TS1-4
	14	WHT	5	TS1-3
	14	RED	6	TS1-4
58	22	YEL	7	TS1-5

WIRE TABLE

ITEM NO.	DESCRIPTION	FROM HARNESS	TO P.S.	REMARKS
NO.	AWG	COLOR	POINT NO.	LOCATION
58	22	VIO	8	TS1-6
	14	BLU	9	TS1-7
	22	ORA	10	TS1-8
	22	BRN	11	TS1-9
	22	GRN	12	TS1-10
	14	BLK	13	TS1-11
58	14	RED	14	TS1-12
58	14	RED	15	F1-2
58	14	WHT	16	F1-1



FIRST USED ON OPTION/MODEL
PDP 11/20

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
MATERIAL
H
FINISH
H

QTY.	DESCRIPTION	PART NO.	ITEM NO.
DRN	DATE 10-1-70		
CHKD	DATE 10-13-70		
ENG	DATE 10/15/70		
PROJ. ENG.	DATE 10/15/70		
PROD.	DATE 10/15/70		
NEXT HIGHER ASSY	D-4A 11/20-0-0		
SCALE	NONE		
SHEET	4 OF 4		
PARTS LIST			
digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS			
TITLE H 720 POWER SUPPLY ASSEMBLY			
SIZE/CODE	NUMBER	REV.	
DUA	H720-0-0	K	
DIST.			