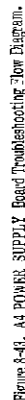


A4-1



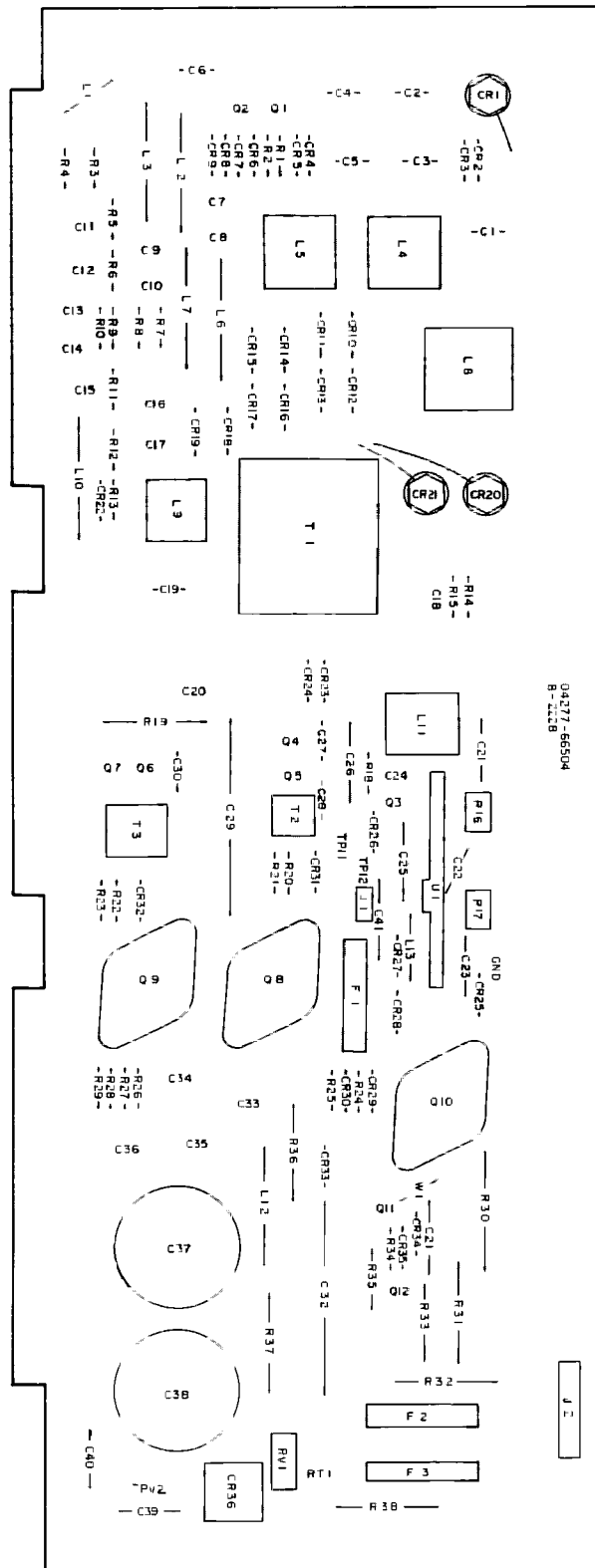


Figure 8-51. A4 POWER SUPPLY Board Assembly Component Locations.

1. REFERENCE DESIGNATIONS WITHIN THIS ASSEMBLY ARE ABBREVIATED, PREFIX ABBREVIATION WITH ASSEMBLY NUMBER FOR COMPLETE REFERENCE DESIGNATION.

2. UNLESS OTHERWISE INDICATED:

RESISTANCE IN OHMS ( $\Omega$ )  
CAPACITANCE IN MICROFARADS ( $\mu F$ )  
INDUCTANCE IN MICROHENRIES ( $\mu H$ )

Figure 8-52. A4 POWER SUPPLY Board Assembly Schematic Diagram.



PCO 30930

PCO 30007

Table 6-3. Replaceable Parts

Reference Designation	HP Part Number	C D	Qty	Description	Mfr Code	Mfr Part Number
A4CR31	1901-1065	2	3	DIODE-PWR RECT 1N4936 400V 1A 200NS	14936	1N4936
A4CR32	1901-1065	2		DIODE-PWR RECT 1N4936 400V 1A 200NS	14936	1N4936
A4CR33	1901-1065	2		DIODE-PWR RECT 1N4936 400V 1A 200NS	14936	1N4936
A4CR34	1902-3191	1	1	DIODE-ZNR 13V 2% DO-35 PD=.4W TC=+.06%	20480	1902-3191
A4CR35	1901-0025	2		DIODE-GEN PRP 100V 200MA DO-7	20480	1901-0025
A4CR36	1906-0080	9	1	DIODE-FW BRDG 600V 10A	20480	1906-0080
A4F1	2110-0004	1	1	FUSE .25A 250V TID 1.25X.25 UL	20480	2110-0004
A4F2	2110-0305	5	1	FUSE 1.25A 250V TD 1.25X.25 UL	75915	3131.25
A4F3	2110-0007	4	1	FUSE 1A 250V TD 1.25X.25 UL	75915	313001
A4J1	1251-4938	5	1	CONNECTOR 3-PIN M METRIC POST TYPE	20480	1251-4938
A4J2	1251-3837	1	1	CONNECTOR 4-PIN M UTILITY	20480	1251-3837
A4L1	9100-3139	5	1	INDUCTOR 75UH 15% .50X.875LG	20480	9100-3139
A4L2	9140-0171	3	6	INDUCTOR RF-CH-MLD 40UH 10% .296DX.968LG	20480	9140-0171
A4L3	9140-0171	3		INDUCTOR RF-CH-MLD 40UH 10% .296DX.968LG	20480	9140-0171
A4L4	9140-0758	3	2	INDUCTOR- 707 UH	20480	9140-0758
A4L5	9140-0758	3		INDUCTOR- 707 UH	20480	9140-0758
A4L6	9140-0171	3		INDUCTOR RF-CH-MLD 40UH 10% .296DX.968LG	20480	9140-0171
A4L7	9140-0171	3		INDUCTOR RF-CH-MLD 40UH 10% .296DX.968LG	20480	9140-0171
A4L8	9140-0462	5	1	INDUCTOR 355UH	20480	9140-0462
A4L9	9140-0757	0	1	INDUCTOR- 900 UH	20480	9140-0757
A4L10	9140-0171	3		INDUCTOR RF-CH-MLD 40UH 10% .296DX.968LG	20480	9140-0171
A4L11	9140-0463	6	1	INDUCTOR 10MH 6%	20480	9140-0463
A4L12	9140-0171	3		INDUCTOR RF-CH-MLD 40UH 10% .296DX.968LG	20480	9140-0171
A4L13	9140-0210	1	1	INDUCTOR RF-CH-MLD 100UH 5% .166DX.305LG	20480	9140-0210
A4Q1	1853-0201	9	3	TRANSISTOR PNP 2N2907A SI TO-18 PD=400MW	04713	2N2907A
A4Q2	1854-0477	7	5	TRANSISTOR NPN 2N2222A SI TO-18 PD=500MW	04713	2N2222A
A4Q3	1854-0477	7		TRANSISTOR NPN 2N2222A SI TO-18 PD=500MW	04713	2N2222A
A4Q4	1854-0477	7		TRANSISTOR NPN 2N2222A SI TO-18 PD=500MW	04713	2N2222A
A4Q5	1853-0201	9		TRANSISTOR PNP 2N2907A SI TO-18 PD=400MW	04713	2N2907A
A4Q6	1854-0477	7		TRANSISTOR NPN 2N2222A SI TO-18 PD=500MW	04713	2N2222A
A4Q7	1853-0201	9		TRANSISTOR PNP 2N2907A SI TO-18 PD=400MW	04713	2N2907A
A4Q8	1854-0477	6	2	TRANSISTOR NPN 2N4300 SI TO-3 PD=125W	04713	2N4300
A4Q9	1854-0477	6		TRANSISTOR NPN 2N4300 SI TO-3 PD=125W	04713	2N4300
A4Q10	1854-0935	2	1	TRANSISTOR-NPN	20480	1854-0935
A4Q11	1854-0936	3	1	TRANSISTOR-NPN	20480	1854-0936
A4Q12	1854-0477	7		TRANSISTOR NPN 2N2222A SI TO-18 PD=500MW	04713	2N2222A
A4R1	0683-2235	5	1	RESISTOR 22K 5% .25W FC TC=-400/+800	01121	CB2735
A4R2	0683-4705	8	3	RESISTOR 47 5% .25W FC TC=-400/+500	01121	CB4705
A4R3	0683-1025	5	3	RESISTOR 10 5% .25W FC TC=-400/+500	01121	CB1025
A4R4	0683-1515	2	1	RESISTOR 150 5% .25W FC TC=-400/+600	01121	CB1515
A4R5	0683-1025	9	3	RESISTOR 1K 5% .25W FC TC=-400/+600	01121	CB1025
A4R6	0683-1025	9		RESISTOR 1K 5% .25W FC TC=-400/+600	01121	CB1025
A4R7	0683-4715	0	3	RESISTOR 470 5% .25W FC TC=-400/+600	01121	CB4715
A4R8	0683-4715	0		RESISTOR 470 5% .25W FC TC=-400/+600	01121	CB4715
A4R9	0683-4735	4	2	RESISTOR 47K 5% .25W FC TC=-400/+800	01121	CB4735
A4R10	0683-4735	4		RESISTOR 47K 5% .25W FC TC=-400/+800	01121	CB4735
A4R11	0683-4715	0		RESISTOR 470 5% .25W FC TC=-400/+600	01121	CB4715
A4R12	0683-1525	4	2	RESISTOR 1.5K 5% .25W FC TC=-400/+700	01121	CB1525
A4R13	0683-1525	4		RESISTOR 1.5K 5% .25W FC TC=-400/+700	01121	CB1525
A4R14	0683-4705	8		RESISTOR 47 5% .25W FC TC=-400/+500	01121	CB4705
A4R15	0683-4705	8		RESISTOR 47 5% .25W FC TC=-400/+500	01121	CB4705
A4R16	2100-3352	7	1	RESISTOR-TRMR 1K 10% C SIDE-ADJ 1-TRN	20480	2100-3352
A4R17	2100-3274	2	1	RESISTOR-TRMR 10K 10% C SIDE-ADJ 1-TRN	20480	2100-3274
A4R18	0683-1025	9		RESISTOR 1K 5% .25W FC TC=-400/+600	01121	CB1025
A4R19	0764-0015	7	1	RESISTOR 560 5% 2W MO TC=0+-200	20480	0764-0015
A4R20	0683-0335	2	2	RESISTOR 3.3 5% .25W FC TC=-400/+500	01121	CB3335
A4R21	0683-1005	5		RESISTOR 10 5% .25W FC TC=-400/+500	01121	CB1005
A4R22	0683-0335	2		RESISTOR 3.3 5% .25W FC TC=-400/+500	01121	CB3335
A4R23	0683-1005	5		RESISTOR 10 5% .25W FC TC=-400/+500	01121	CB1005
A4R24	0683-5615	1	1	RESISTOR 560 5% .25W FC TC=-400/+600	01121	CB5615
A4R25	0683-1035	1	1	RESISTOR 10K 5% .25W FC TC=-400/+700	01121	CB1035
A4R26	0683-0275	9	4	RESISTOR 2.7 5% .25W FC TC=-400/+500	01121	CB2705
A4R27	0683-0275	9		RESISTOR 2.7 5% .25W FC TC=-400/+500	01121	CB2705
A4R28	0683-0275	9		RESISTOR 2.7 5% .25W FC TC=-400/+500	01121	CB2705
A4R29	0683-0275	9		RESISTOR 2.7 5% .25W FC TC=-400/+500	01121	CB2705
A4R30	0766-0033	3	1	RESISTOR 2K 2% 3W MO TC=0+-250	27167	FP3-3-250-2001-G
A4R31	0761-0004	8	1	RESISTOR 20K 5% 1W MO TC=0+-200	20480	0761-0004
A4R32	0699-1057	4	1	RESISTOR- 15 OHM 10% 3W	20480	0699-1057
A4R33	0686-3945	2	1	RESISTOR 390K 5% .5W CC TC=0+CB2	01121	CB3945
A4R34	0683-5635	5	1	RESISTOR 56K 5% .25W FC TC=-400/+800	01121	CB5635
A4R35	0686-1055	1	1	RESISTOR 1M 5% .5W CC TC=0+1000	01121	EB1055
A4R36	0698-3657	8	2	RESISTOR 68K 5% 2W MO TC=0+-200	27167	FP42-2-T00-6002-J
A4R37	0698-3657	8		RESISTOR 68K 5% 2W MO TC=0+-200	27167	FP42-2-T00-6002-J
A4R38	0811-1670	3	1	RESISTOR 2.2 5% 2W PW TC=0+-400	75042	BWH2-2R2-J

See introduction to this section for ordering information  
 \*Indicates factory selected value

PCO 29707



Table 6-3. Replaceable Parts

Reference Designation	HP Part Number	C D	Qty	Description	Mfr Code	Mfr Part Number
A4RT1	0039-0006	5	1	THERMISTOR DISC	28480	0839-0006
A4T1	9100-4287	1	1	TRANSFORMER-POWER	28480	9100-4287
A4T2	9100-0857	8	1	TRANSFORMER-PULSE 114H1	28480	9100-0857
A4T3	9100-4293	2	1	TRANSFORMER-PULSE	28480	9100-4293
A4U1	1813-0255	3	1	IC-REGULATOR, HYBRID	28480	1813-0255
A4RV1	0837-0237	0	1	VARISTOR	28480	0837-0237
A4RV2	0837-0106	2	1	VARISTOR	28480	0837-0106
A4W1	8159-0005	0	1	RESISTOR-ZERO OHMS 22 AWG LEAD DIA	28480	8159-0005
	2110-0726			MISCELLANEOUS PARTS		
	2110-0269	0	6	FUSEHOLDER-CLIP TYPE, 250-FUSE	28480	2110-0269
	04276-01204	4	1	ANGLE (HEATSINK)	28480	04276-01204
	04276-00613		1	SHIELD COVER	28480	04276-00613
	04276-00614		1	SHIELD COVER	28480	04276-00614
	04276-00615		1	SHIELD COVER	28480	04276-00615
	04276-00616		1	SHIELD COVER	28480	04276-00616
	04276-01206		1	ANGLE (BOARD)	28480	04276-01206
	04276-26504		1	PC BOARD, BLANK	28480	04276-26504

See introduction to this section for ordering information  
 \*Indicates factory selected value