

# **Schematics, parts list, and component locator for the HP 54600A Oscilloscope**

## **Caution**

This product contains surface mount technology (SMT). If you do not use proper SMT repair tools and SMT repair techniques, the components or boards can be damaged.



**Table 1. System Board Replaceable Parts**

Ref Des.	HP Part Number	CD	Qty	Description	Mfr Code	Mfr Part Number
C1	0160-6497	1	140	CAPACITOR-FXD 0.1UF +-10% 25VDC CER	28480	0160-6497
C2	0121-0487	5	2	CAPACITOR-V TRMR-PSTN 1-3.5PF 300V	19701	2222-809-05001
C3	0160-7439	3	2	CAPACITOR-FXD 47PF 5% 500V COG	28480	0160-7439
C4	0160-7399	4	2	CAPACITOR-FXD 0.033UF 10% 200V	28480	0160-7399
C5	0160-6497	1		CAPACITOR-FXD 0.1UF +-10% 25VDC CER	28480	0160-6497
C6	0160-6728	1	14	CAPACITOR-FXD 0.022UF +-10% 50VDC CER	28480	0160-6728
C7	0160-5963	4	2	CAPACITOR-FXD 18PF 50V 5%	28480	0160-5963
C8	0160-6497	1		CAPACITOR-FXD 0.1UF +-10% 25VDC CER	28480	0160-6497
C9	0160-6497	1		CAPACITOR-FXD 0.1UF +-10% 25VDC CER	28480	0160-6497
C10	0160-7430	4	3	CAPACITOR-FXD 270PF 5% 500V COG	28480	0160-7430
C11	0160-6497	1		CAPACITOR-FXD 0.1UF +-10% 25VDC CER	28480	0160-6497
C12	0160-6497	1		CAPACITOR-FXD 0.1UF +-10% 25VDC CER	28480	0160-6497
C13	0160-6497	1		CAPACITOR-FXD 0.1UF +-10% 25VDC CER	28480	0160-6497
C14	0160-6736	1	72	CAPACITOR-FXD 0.01UF 50V 10%	28480	0160-6736
C15	0160-6736	1		CAPACITOR-FXD 0.01UF 50V 10%	28480	0160-6736
C16	0160-6497	1		CAPACITOR-FXD 0.1UF +-10% 25VDC CER	28480	0160-6497
C17	0160-6736	1		CAPACITOR-FXD 0.01UF 50V 10%	28480	0160-6736
C18	0160-6497	1		CAPACITOR-FXD 0.1UF +-10% 25VDC CER	28480	0160-6497
C19	0121-0487	5		CAPACITOR-V TRMR-PSTN 1-3.5PF 300V	19701	2222-809-05001
C20	0160-7439	3		CAPACITOR-FXD 47PF 5% 500V COG	28480	0160-7439
C21	0160-7399	4		CAPACITOR-FXD 0.033UF 10% 200V	28480	0160-7399
C22	0160-6497	1		CAPACITOR-FXD 0.1UF +-10% 25VDC CER	28480	0160-6497
C23	0160-6497	1		CAPACITOR-FXD 0.1UF +-10% 25VDC CER	28480	0160-6497
C24	0160-6736	1		CAPACITOR-FXD 0.01UF 50V 10%	28480	0160-6736
C25	0160-6728	1		CAPACITOR-FXD 0.022UF +-10% 50VDC CER	28480	0160-6728
C26	0160-6497	1		CAPACITOR-FXD 0.1UF +-10% 25VDC CER	28480	0160-6497
C27	0160-6497	1		CAPACITOR-FXD 0.1UF +-10% 25VDC CER	28480	0160-6497
C28	0160-7430	4		CAPACITOR-FXD 270PF 5% 500V COG	28480	0160-7430
C29	0160-6497	1		CAPACITOR-FXD 0.1UF +-10% 25VDC CER	28480	0160-6497
C30	0160-6497	1		CAPACITOR-FXD 0.1UF +-10% 25VDC CER	28480	0160-6497
C31	0160-6736	1		CAPACITOR-FXD 0.01UF 50V 10%	28480	0160-6736
C32	0160-6736	1		CAPACITOR-FXD 0.01UF 50V 10%	28480	0160-6736
C33	0160-6497	1		CAPACITOR-FXD 0.1UF +-10% 25VDC CER	28480	0160-6497
C34	0160-6736	1		CAPACITOR-FXD 0.01UF 50V 10%	28480	0160-6736
C35-36				NOT ASSIGNED		
C37	0160-6730	5	7	CAPACITOR-FXD 2200PF 50V 5%	28480	0160-6730
C38-44				NOT ASSIGNED		
C45	0160-6730	5		CAPACITOR-FXD 2200PF 50V 5%	28480	0160-6730
C46-51				NOT ASSIGNED		
C52	0160-6497	1		CAPACITOR-FXD 0.1UF +-10% 25VDC CER	28480	0160-6497
C53				NOT ASSIGNED		
C54	0160-6497	1		CAPACITOR-FXD 0.1UF +-10% 25VDC CER	28480	0160-6497
C55	0160-6497	1		CAPACITOR-FXD 0.1UF +-10% 25VDC CER	28480	0160-6497
C56	0160-6497	1		CAPACITOR-FXD 0.1UF +-10% 25VDC CER	28480	0160-6497

**Table 1. System Board Replaceable Parts (continued)**

Ref Des.	HP Part Number	CD	Qty	Description	Mfr Code	Mfr Part Number
C57	0160-6497	1		CAPACITOR-FXD 0.1UF +-10% 25VDC CER	28480	0160-6497
C58	0160-6736	1		CAPACITOR-FXD 0.01UF 50V 10%	28480	0160-6736
C59	0160-6728	1		CAPACITOR-FXD 0.022UF +-10% 50VDC CER	28480	0160-6728
C60	0160-6497	1		CAPACITOR-FXD 0.1UF +-10% 25VDC CER	28480	0160-6497
C61	0160-5975	8	1	CAPACITOR-FXD 10PF 50V 5%	28480	0160-5975
C62	0160-6497	1		CAPACITOR-FXD 0.1UF +-10% 25VDC CER	28480	0160-6497
C63	0160-6497	1		CAPACITOR-FXD 0.1UF +-10% 25VDC CER	28480	0160-6497
C64	0160-6497	1		CAPACITOR-FXD 0.1UF +-10% 25VDC CER	28480	0160-6497
C65	0160-6497	1		CAPACITOR-FXD 0.1UF +-10% 25VDC CER	28480	0160-6497
C66	0160-6736	1		CAPACITOR-FXD 0.01UF 50V 10%	28480	0160-6736
C67-68				NOT ASSIGNED		
C69	0160-6497	1		CAPACITOR-FXD 0.1UF +-10% 25VDC CER	28480	0160-6497
C70	0160-6497	1		CAPACITOR-FXD 0.1UF +-10% 25VDC CER	28480	0160-6497
C71	0160-6497	1		CAPACITOR-FXD 0.1UF +-10% 25VDC CER	28480	0160-6497
C72	0180-3751	6	15	CAPACITOR-FXD TA 1UF 20% 35V B	28480	0180-3751
C73	0180-3751	6		CAPACITOR-FXD TA 1UF 20% 35V B	28480	0180-3751
C74	0180-3751	6		CAPACITOR-FXD TA 1UF 20% 35V B	28480	0180-3751
C75	0180-3751	6		CAPACITOR-FXD TA 1UF 20% 35V B	28480	0180-3751
C76	0160-6497	1		CAPACITOR-FXD 0.1UF +-10% 25VDC CER	28480	0160-6497
C77	0160-6497	1		CAPACITOR-FXD 0.1UF +-10% 25VDC CER	28480	0160-6497
C78-79				NOT ASSIGNED		
C80	0160-6497	1		CAPACITOR-FXD 0.1UF +-10% 25VDC CER	28480	0160-6497
C81	0160-6728	1		CAPACITOR-FXD 0.022UF +-10% 50VDC CER	28480	0160-6728
C82-83				NOT ASSIGNED		
C84	0160-6497	1		CAPACITOR-FXD 0.1UF +-10% 25VDC CER	28480	0160-6497
C85	0160-6497	1		CAPACITOR-FXD 0.1UF +-10% 25VDC CER	28480	0160-6497
C86	0160-6497	1		CAPACITOR-FXD 0.1UF +-10% 25VDC CER	28480	0160-6497
C87	0160-6497	1		CAPACITOR-FXD 0.1UF +-10% 25VDC CER	28480	0160-6497
C88	0180-3755	0	16	CAPACITOR-FXD 33UF 10V 20%	28480	0180-3755
C89	0160-6728	1		CAPACITOR-FXD 0.022UF +-10% 50VDC CER	28480	0160-6728
C90	0160-6728	1		CAPACITOR-FXD 0.022UF +-10% 50VDC CER	28480	0160-6728
C91	0160-6728	1		CAPACITOR-FXD 0.022UF +-10% 50VDC CER	28480	0160-6728
C92				NOT ASSIGNED		
C93	0160-6728	1		CAPACITOR-FXD 0.022UF +-10% 50VDC CER	28480	0160-6728
C94	0160-6728	1		CAPACITOR-FXD 0.022UF +-10% 50VDC CER	28480	0160-6728
C95	0160-6728	1		CAPACITOR-FXD 0.022UF +-10% 50VDC CER	28480	0160-6728
C96	0160-6728	1		CAPACITOR-FXD 0.022UF +-10% 50VDC CER	28480	0160-6728
C97	0160-6728	1		CAPACITOR-FXD 0.022UF +-10% 50VDC CER	28480	0160-6728
C98	0160-6497	1		CAPACITOR-FXD 0.1UF +-10% 25VDC CER	28480	0160-6497
C99	0160-6497	1		CAPACITOR-FXD 0.1UF +-10% 25VDC CER	28480	0160-6497
C100	0160-6497	1		CAPACITOR-FXD 0.1UF +-10% 25VDC CER	28480	0160-6497
C101	0160-6497	1		CAPACITOR-FXD 0.1UF +-10% 25VDC CER	28480	0160-6497
C102	0160-6497	1		CAPACITOR-FXD 0.1UF +-10% 25VDC CER	28480	0160-6497
C103	0160-5952	1	2	CAPACITOR-FXD 330PF 50V 5%	28480	0160-5952

**Table 1. System Board Replaceable Parts (continued)**

Ref Des.	HP Part Number	CD	Qty	Description	Mfr Code	Mfr Part Number
C104	0160-6728	1		CAPACITOR-FXD 0.022UF +-10% 50VDC CER	28480	0160-6728
C105	0160-6730	5		CAPACITOR-FXD 2200PF 50V 5%	28480	0160-6730
C106	0160-6497	1		CAPACITOR-FXD 0.1UF +-10% 25VDC CER	28480	0160-6497
C107	0160-6497	1		CAPACITOR-FXD 0.1UF +-10% 25VDC CER	28480	0160-6497
C108	0160-6497	1		CAPACITOR-FXD 0.1UF +-10% 25VDC CER	28480	0160-6497
C109	0160-6497	1		CAPACITOR-FXD 0.1UF +-10% 25VDC CER	28480	0160-6497
C110	0180-3755	0		CAPACITOR-FXD 33UF 10V 20%	28480	0180-3755
C111	0160-6497	1		CAPACITOR-FXD 0.1UF +-10% 25VDC CER	28480	0160-6497
C112	0160-6497	1		CAPACITOR-FXD 0.1UF +-10% 25VDC CER	28480	0160-6497
C113	0160-6736	1		CAPACITOR-FXD 0.01UF 50V 10%	28480	0160-6736
C114	0180-3755	0		CAPACITOR-FXD 33UF 10V 20%	28480	0180-3755
C115	0160-6736	1		CAPACITOR-FXD 0.01UF 50V 10%	28480	0160-6736
C116	0160-6736	1		CAPACITOR-FXD 0.01UF 50V 10%	28480	0160-6736
C117	0160-6736	1		CAPACITOR-FXD 0.01UF 50V 10%	28480	0160-6736
C118	0160-6736	1		CAPACITOR-FXD 0.01UF 50V 10%	28480	0160-6736
C119	0160-6736	1		CAPACITOR-FXD 0.01UF 50V 10%	28480	0160-6736
C120	0160-6736	1		CAPACITOR-FXD 0.01UF 50V 10%	28480	0160-6736
C121	0160-6736	1		CAPACITOR-FXD 0.01UF 50V 10%	28480	0160-6736
C122	0160-6736	1		CAPACITOR-FXD 0.01UF 50V 10%	28480	0160-6736
C123	0160-6736	1		CAPACITOR-FXD 0.01UF 50V 10%	28480	0160-6736
C124	0160-6736	1		CAPACITOR-FXD 0.01UF 50V 10%	28480	0160-6736
C125	0160-6736	1		CAPACITOR-FXD 0.01UF 50V 10%	28480	0160-6736
C126	0160-6736	1		CAPACITOR-FXD 0.01UF 50V 10%	28480	0160-6736
C127	0160-6736	1		CAPACITOR-FXD 0.01UF 50V 10%	28480	0160-6736
C128	0160-6736	1		CAPACITOR-FXD 0.01UF 50V 10%	28480	0160-6736
C129	0160-6736	1		CAPACITOR-FXD 0.01UF 50V 10%	28480	0160-6736
C130	0160-6736	1		CAPACITOR-FXD 0.01UF 50V 10%	28480	0160-6736
C131	0160-6736	1		CAPACITOR-FXD 0.01UF 50V 10%	28480	0160-6736
C132	0160-6497	1		CAPACITOR-FXD 0.1UF +-10% 25VDC CER	28480	0160-6497
C133				NOT ASSIGNED		
C134	0160-6497	1		CAPACITOR-FXD 0.1UF +-10% 25VDC CER	28480	0160-6497
C135	0160-6497	1		CAPACITOR-FXD 0.1UF +-10% 25VDC CER	28480	0160-6497
C136	0160-6736	1		CAPACITOR-FXD 0.01UF 50V 10%	28480	0160-6736
C137	0180-3753	8	5	CAPACITOR-FXD 6.8UF 35V 20%	28480	0180-3753
C138	0180-3753	8		CAPACITOR-FXD 6.8UF 35V 20%	28480	0180-3753
C139	0180-3755	0		CAPACITOR-FXD 33UF 10V 20%	28480	0180-3755
C140	0160-6497	1		CAPACITOR-FXD 0.1UF +-10% 25VDC CER	28480	0160-6497
C141	0160-6497	1		CAPACITOR-FXD 0.1UF +-10% 25VDC CER	28480	0160-6497
C142	0160-6497	1		CAPACITOR-FXD 0.1UF +-10% 25VDC CER	28480	0160-6497
C143	0160-6497	1		CAPACITOR-FXD 0.1UF +-10% 25VDC CER	28480	0160-6497
C144	0160-6497	1		CAPACITOR-FXD 0.1UF +-10% 25VDC CER	28480	0160-6497
C145	0160-6497	1		CAPACITOR-FXD 0.1UF +-10% 25VDC CER	28480	0160-6497
C146	0160-6497	1		CAPACITOR-FXD 0.1UF +-10% 25VDC CER	28480	0160-6497

**Table 1. System Board Replaceable Parts (continued)**

Ref Des.	HP Part Number	CD	Qty	Description	Mfr Code	Mfr Part Number
C147	0160-6497	1		CAPACITOR-FXD 0.1UF +-10% 25VDC CER	28480	0160-6497
C148	0180-3755	0		CAPACITOR-FXD 33UF 10V 20%	28480	0180-3755
C149	0160-6497	1		CAPACITOR-FXD 0.1UF +-10% 25VDC CER	28480	0160-6497
C150	0160-6497	1		CAPACITOR-FXD 0.1UF +-10% 25VDC CER	28480	0160-6497
C151	0160-6497	1		CAPACITOR-FXD 0.1UF +-10% 25VDC CER	28480	0160-6497
C152	0180-3755	0		CAPACITOR-FXD 33UF 10V 20%	28480	0180-3755
C153	0160-6736	1		CAPACITOR-FXD 0.01UF 50V 10%	28480	0160-6736
C154	0160-6736	1		CAPACITOR-FXD 0.01UF 50V 10%	28480	0160-6736
C155	0160-6736	1		CAPACITOR-FXD 0.01UF 50V 10%	28480	0160-6736
C156	0160-6736	1		CAPACITOR-FXD 0.01UF 50V 10%	28480	0160-6736
C157	0180-3751	6		CAPACITOR-FXD TA 1UF 20% 35V B	28480	0180-3751
C158	0160-6497	1		CAPACITOR-FXD 0.1UF +-10% 25VDC CER	28480	0160-6497
C159	0160-6736	1		CAPACITOR-FXD 0.01UF 50V 10%	28480	0160-6736
C160	0160-6736	1		CAPACITOR-FXD 0.01UF 50V 10%	28480	0160-6736
C161	0160-6736	1		CAPACITOR-FXD 0.01UF 50V 10%	28480	0160-6736
C162	0160-6736	1		CAPACITOR-FXD 0.01UF 50V 10%	28480	0160-6736
C163	0160-6497	1		CAPACITOR-FXD 0.1UF +-10% 25VDC CER	28480	0160-6497
C164	0160-6497	1		CAPACITOR-FXD 0.1UF +-10% 25VDC CER	28480	0160-6497
C165	0160-6497	1		CAPACITOR-FXD 0.1UF +-10% 25VDC CER	28480	0160-6497
C166	0160-6497	1		CAPACITOR-FXD 0.1UF +-10% 25VDC CER	28480	0160-6497
C167	0160-6497	1		CAPACITOR-FXD 0.1UF +-10% 25VDC CER	28480	0160-6497
C168	0160-6497	1		CAPACITOR-FXD 0.1UF +-10% 25VDC CER	28480	0160-6497
C169	0160-6497	1		CAPACITOR-FXD 0.1UF +-10% 25VDC CER	28480	0160-6497
C170				NOT ASSIGNED		
C171	0160-6497	1		CAPACITOR-FXD 0.1UF +-10% 25VDC CER	28480	0160-6497
C172	0180-3755	0		CAPACITOR-FXD 33UF 10V 20%	28480	0180-3755
C173	0160-6497	1		CAPACITOR-FXD 0.1UF +-10% 25VDC CER	28480	0160-6497
C174	0160-6497	1		CAPACITOR-FXD 0.1UF +-10% 25VDC CER	28480	0160-6497
C175	0180-3755	0		CAPACITOR-FXD 33UF 10V 20%	28480	0180-3755
C176	0160-6497	1		CAPACITOR-FXD 0.1UF +-10% 25VDC CER	28480	0160-6497
C177	0160-6497	1		CAPACITOR-FXD 0.1UF +-10% 25VDC CER	28480	0160-6497
C178				NOT ASSIGNED		
C179	0160-6497	1		CAPACITOR-FXD 0.1UF +-10% 25VDC CER	28480	0160-6497
C180				NOT ASSIGNED		
C181	0160-6497	1		CAPACITOR-FXD 0.1UF +-10% 25VDC CER	28480	0160-6497
C182	0160-6497	1		CAPACITOR-FXD 0.1UF +-10% 25VDC CER	28480	0160-6497
C183	0180-3755	0		CAPACITOR-FXD 33UF 10V 20%	28480	0180-3755
C184	0160-6497	1		CAPACITOR-FXD 0.1UF +-10% 25VDC CER	28480	0160-6497
C185	0180-3755	0		CAPACITOR-FXD 33UF 10V 20%	28480	0180-3755
C186	0160-6497	1		CAPACITOR-FXD 0.1UF +-10% 25VDC CER	28480	0160-6497
C187	0180-3751	6		CAPACITOR-FXD TA 1UF 20% 35V B	28480	0180-3751
C188	0180-3751	6		CAPACITOR-FXD TA 1UF 20% 35V B	28480	0180-3751
C189	0180-3751	6		CAPACITOR-FXD TA 1UF 20% 35V B	28480	0180-3751
C190	0160-6497	1		CAPACITOR-FXD 0.1UF +-10% 25VDC CER	28480	0160-6497

**Table 1. System Board Replaceable Parts (continued)**

Ref Des.	HP Part Number	CD	Qty	Description	Mfr Code	Mfr Part Number
C191				NOT ASSIGNED		
C192	0160-6497	1		CAPACITOR-FXD 0.1UF +-10% 25VDC CER	28480	0160-6497
C193	0160-6497	1		CAPACITOR-FXD 0.1UF +-10% 25VDC CER	28480	0160-6497
C194	0160-6736	1		CAPACITOR-FXD 0.01UF 50V 10%	28480	0160-6736
C195	0160-6736	1		CAPACITOR-FXD 0.01UF 50V 10%	28480	0160-6736
C196	0160-6497	1		CAPACITOR-FXD 0.1UF +-10% 25VDC CER	28480	0160-6497
C197	0160-6736	1		CAPACITOR-FXD 0.01UF 50V 10%	28480	0160-6736
C198	0160-6736	1		CAPACITOR-FXD 0.01UF 50V 10%	28480	0160-6736
C199	0160-6497	1		CAPACITOR-FXD 0.1UF +-10% 25VDC CER	28480	0160-6497
C200	0160-6736	1		CAPACITOR-FXD 0.01UF 50V 10%	28480	0160-6736
C201	0160-5952	1		CAPACITOR-FXD 330PF 50V 5%	28480	0160-5952
C202				NOT ASSIGNED		
C203	0160-6497	1		CAPACITOR-FXD 0.1UF +-10% 25VDC CER	28480	0160-6497
C204	0160-6736	1		CAPACITOR-FXD 0.01UF 50V 10%	28480	0160-6736
C205	0180-3751	6		CAPACITOR-FXD TA 1UF 20% 35V B	28480	0180-3751
C206	0160-6736	1		CAPACITOR-FXD 0.01UF 50V 10%	28480	0160-6736
C207	0160-6497	1		CAPACITOR-FXD 0.1UF +-10% 25VDC CER	28480	0160-6497
C208	0160-6497	1		CAPACITOR-FXD 0.1UF +-10% 25VDC CER	28480	0160-6497
C209	0160-6497	1		CAPACITOR-FXD 0.1UF +-10% 25VDC CER	28480	0160-6497
C210	0180-3753	8		CAPACITOR-FXD 6.8UF 35V 20%	28480	0180-3753
C211	0180-3753	8		CAPACITOR-FXD 6.8UF 35V 20%	28480	0180-3753
C212	0180-4116	9	2	CAPACITOR-FXD 22UF 20V 20%	28480	0180-4116
C213	0160-6736	1		CAPACITOR-FXD 0.01UF 50V 10%	28480	0160-6736
C214	0160-6736	1		CAPACITOR-FXD 0.01UF 50V 10%	28480	0160-6736
C215-219				NOT ASSIGNED		
C220	0160-6736	1		CAPACITOR-FXD 0.01UF 50V 10%	28480	0160-6736
C221	0160-6497	1		CAPACITOR-FXD 0.1UF +-10% 25VDC CER	28480	0160-6497
C222	0160-6731	6	13	CAPACITOR-FXD 1000PF 50V 10%	28480	0160-6731
C223	0160-6731	6		CAPACITOR-FXD 1000PF 50V 10%	28480	0160-6731
C224	0160-6731	6		CAPACITOR-FXD 1000PF 50V 10%	28480	0160-6731
C225	0160-6497	1		CAPACITOR-FXD 0.1UF +-10% 25VDC CER	28480	0160-6497
C226	0180-3755	0		CAPACITOR-FXD 33UF 10V 20%	28480	0180-3755
C227	0180-3755	0		CAPACITOR-FXD 33UF 10V 20%	28480	0180-3755
C228	0180-3751	6		CAPACITOR-FXD TA 1UF 20% 35V B	28480	0180-3751
C229	0180-3751	6		CAPACITOR-FXD TA 1UF 20% 35V B	28480	0180-3751
C230	0160-6497	1		CAPACITOR-FXD 0.1UF +-10% 25VDC CER	28480	0160-6497
C231	0180-3751	6		CAPACITOR-FXD TA 1UF 20% 35V B	28480	0180-3751
C232	0160-6736	1		CAPACITOR-FXD 0.01UF 50V 10%	28480	0160-6736
C233	0160-6497	1		CAPACITOR-FXD 0.1UF +-10% 25VDC CER	28480	0160-6497
C234	0160-5957	6	1	CAPACITOR-FXD 47PF 5% 50V	28480	0160-5957
C235	0160-6497	1		CAPACITOR-FXD 0.1UF +-10% 25VDC CER	28480	0160-6497
C236	0160-6497	1		CAPACITOR-FXD 0.1UF +-10% 25VDC CER	28480	0160-6497
C237				NOT ASSIGNED		
C238	0180-3755	0		CAPACITOR-FXD 33UF 10V 20%	28480	0180-3755

**Table 1. System Board Replaceable Parts (continued)**

Ref Des.	HP Part Number	CD	Qty	Description	Mfr Code	Mfr Part Number
C239	0160-6497	1	4	CAPACITOR-FXD 0.1UF +-10% 25VDC CER	28480	0160-6497
C240	0160-5967	8		CAPACITOR-FXD 100PF 50V 5%	28480	0160-5967
C241	0160-5967	8		CAPACITOR-FXD 100PF 50V 5%	28480	0160-5967
C242	0160-6497	1		CAPACITOR-FXD 0.1UF +-10% 25VDC CER	28480	0160-6497
C243	0160-6497	1		CAPACITOR-FXD 0.1UF +-10% 25VDC CER	28480	0160-6497
C244	0160-6497	1		CAPACITOR-FXD 0.1UF +-10% 25VDC CER	28480	0160-6497
C245	0160-6497	1		CAPACITOR-FXD 0.1UF +-10% 25VDC CER	28480	0160-6497
C246	0160-6497	1		CAPACITOR-FXD 0.1UF +-10% 25VDC CER	28480	0160-6497
C247	0160-6736	1		CAPACITOR-FXD 0.01UF 50V 10%	28480	0160-6736
C248	0160-6736	1		CAPACITOR-FXD 0.01UF 50V 10%	28480	0160-6736
C249	0160-6736	1		CAPACITOR-FXD 0.01UF 50V 10%	28480	0160-6736
C250	0160-6497	1		CAPACITOR-FXD 0.1UF +-10% 25VDC CER	28480	0160-6497
C251	0160-6497	1		CAPACITOR-FXD 0.1UF +-10% 25VDC CER	28480	0160-6497
C252	0160-6497	1		CAPACITOR-FXD 0.1UF +-10% 25VDC CER	28480	0160-6497
C253	0160-6497	1		CAPACITOR-FXD 0.1UF +-10% 25VDC CER	28480	0160-6497
C254	0160-6730	5		CAPACITOR-FXD 2200PF 50V 5%	28480	0160-6730
C255	0160-6736	1		CAPACITOR-FXD 0.01UF 50V 10%	28480	0160-6736
C256	0160-6497	1		CAPACITOR-FXD 0.1UF +-10% 25VDC CER	28480	0160-6497
C257	0180-3751	6		CAPACITOR-FXD TA 1UF 20% 35V B	28480	0180-3751
C258	0160-6736	1		CAPACITOR-FXD 0.01UF 50V 10%	28480	0160-6736
C259				NOT ASSIGNED		
C260	0160-6497	1		CAPACITOR-FXD 0.1UF +-10% 25VDC CER	28480	0160-6497
C261	0160-6736	1	1	CAPACITOR-FXD 0.01UF 50V 10%	28480	0160-6736
C262	0180-3753	8		CAPACITOR-FXD 6.8UF 35V 20%	28480	0180-3753
C263	0160-5958	7		CAPACITOR-FXD 39.0PF 5% 50V	28480	0160-5958
C264	0160-5963	4		CAPACITOR-FXD 18PF 50V 5%	28480	0160-5963
C265	0160-6497	1		CAPACITOR-FXD 0.1UF +-10% 25VDC CER	28480	0160-6497
C266	0160-6736	1		CAPACITOR-FXD 0.01UF 50V 10%	28480	0160-6736
C267	0160-6736	1		CAPACITOR-FXD 0.01UF 50V 10%	28480	0160-6736
C268				NOT ASSIGNED		
C269	0160-6497	1		CAPACITOR-FXD 0.1UF +-10% 25VDC CER	28480	0160-6497
C270	0160-6730	5		CAPACITOR-FXD 2200PF 50V 5%	28480	0160-6730
C271	0180-3755	0		CAPACITOR-FXD 33UF 10V 20%	28480	0180-3755
C272	0160-6497	1		CAPACITOR-FXD 0.1UF +-10% 25VDC CER	28480	0160-6497
C273	0160-6736	1		CAPACITOR-FXD 0.01UF 50V 10%	28480	0160-6736
C274	0160-6736	1		CAPACITOR-FXD 0.01UF 50V 10%	28480	0160-6736
C275	0160-6736	1		CAPACITOR-FXD 0.01UF 50V 10%	28480	0160-6736
C276	0160-6736	1		CAPACITOR-FXD 0.01UF 50V 10%	28480	0160-6736
C277	0160-6736	1		CAPACITOR-FXD 0.01UF 50V 10%	28480	0160-6736
C278	0160-6736	1		CAPACITOR-FXD 0.01UF 50V 10%	28480	0160-6736
C279	0160-6736	1		CAPACITOR-FXD 0.01UF 50V 10%	28480	0160-6736
C280	0160-6736	1		CAPACITOR-FXD 0.01UF 50V 10%	28480	0160-6736
C281	0160-6736	1		CAPACITOR-FXD 0.01UF 50V 10%	28480	0160-6736
C282	0160-6730	5		CAPACITOR-FXD 2200PF 50V 5%	28480	0160-6730



**Table 1. System Board Replaceable Parts (continued)**

Ref Des.	HP Part Number	CD	Qty	Description	Mfr Code	Mfr Part Number
C283	0160-6736	1		CAPACITOR-FXD 0.01UF 50V 10%	28480	0160-6736
C284	0160-6736	1		CAPACITOR-FXD 0.01UF 50V 10%	28480	0160-6736
C285	0160-6730	5		CAPACITOR-FXD 2200PF 50V 5%	28480	0160-6730
C286	0160-6736	1		CAPACITOR-FXD 0.01UF 50V 10%	28480	0160-6736
C287	0160-6736	1		CAPACITOR-FXD 0.01UF 50V 10%	28480	0160-6736
C288	0160-6736	1		CAPACITOR-FXD 0.01UF 50V 10%	28480	0160-6736
C289	0160-6497	1		CAPACITOR-FXD 0.1UF +-10% 25VDC CER	28480	0160-6497
C290	0160-6736	1		CAPACITOR-FXD 0.01UF 50V 10%	28480	0160-6736
C291	0160-6736	1		CAPACITOR-FXD 0.01UF 50V 10%	28480	0160-6736
C292	0160-6736	1		CAPACITOR-FXD 0.01UF 50V 10%	28480	0160-6736
C293	0180-3755	0		CAPACITOR-FXD 33UF 10V 20%	28480	0180-3755
C294	0180-4116	9		CAPACITOR-FXD 22UF 20V 20%	28480	0180-4116
C295	0180-3755	0		CAPACITOR-FXD 33UF 10V 20%	28480	0180-3755
C296	0160-6497	1		CAPACITOR-FXD 0.1UF +-10% 25VDC CER	28480	0160-6497
C297	0160-5961	2	1	CAPACITOR-FXD 22PF 50V 5%	28480	0160-5961
C298	0160-6731	6		CAPACITOR-FXD 1000PF 50V 10%	28480	0160-6731
C299	0160-5967	8		CAPACITOR-FXD 100PF 50V 5%	28480	0160-5967
C300	0160-5967	8		CAPACITOR-FXD 100PF 50V 5%	28480	0160-5967
C301-302				NOT ASSIGNED		
C303	0160-5978	1	2	CAPACITOR-FXD 2.2PF 50V 22.73%	28480	0160-5978
C304	0160-5978	1		CAPACITOR-FXD 2.2PF 50V 22.73%	28480	0160-5978
C305	0160-6497	1		CAPACITOR-FXD 0.1UF +-10% 25VDC CER	28480	0160-6497
C306	0160-6497	1		CAPACITOR-FXD 0.1UF +-10% 25VDC CER	28480	0160-6497
C307	0160-6497	1		CAPACITOR-FXD 0.1UF +-10% 25VDC CER	28480	0160-6497
C308	0160-6497	1		CAPACITOR-FXD 0.1UF +-10% 25VDC CER	28480	0160-6497
C309	0160-6731	6		CAPACITOR-FXD 1000PF 50V 10%	28480	0160-6731
C310	0160-6731	6		CAPACITOR-FXD 1000PF 50V 10%	28480	0160-6731
C311	0160-6731	6		CAPACITOR-FXD 1000PF 50V 10%	28480	0160-6731
C312	0160-6497	1		CAPACITOR-FXD 0.1UF +-10% 25VDC CER	28480	0160-6497
C313	0160-6497	1		CAPACITOR-FXD 0.1UF +-10% 25VDC CER	28480	0160-6497
C314	0160-6497	1		CAPACITOR-FXD 0.1UF +-10% 25VDC CER	28480	0160-6497
C315-316				NOT ASSIGNED		
C317	0160-6497	1		CAPACITOR-FXD 0.1UF +-10% 25VDC CER	28480	0160-6497
C318	0160-6497	1		CAPACITOR-FXD 0.1UF +-10% 25VDC CER	28480	0160-6497
C319	0180-3751	6		CAPACITOR-FXD TA 1UF 20% 35V B	28480	0180-3751
C320	0180-3751	6		CAPACITOR-FXD TA 1UF 20% 35V B	28480	0180-3751
C321	0160-6497	1		CAPACITOR-FXD 0.1UF +-10% 25VDC CER	28480	0160-6497
C322	0160-6497	1		CAPACITOR-FXD 0.1UF +-10% 25VDC CER	28480	0160-6497
C323	0160-6731	6		CAPACITOR-FXD 1000PF 50V 10%	28480	0160-6731
C324	0160-6497	1		CAPACITOR-FXD 0.1UF +-10% 25VDC CER	28480	0160-6497
C325	0160-6497	1		CAPACITOR-FXD 0.1UF +-10% 25VDC CER	28480	0160-6497
C326	0160-6731	6		CAPACITOR-FXD 1000PF 50V 10%	28480	0160-6731
C327	0160-6497	1		CAPACITOR-FXD 0.1UF +-10% 25VDC CER	28480	0160-6497
C328	0160-6497	1		CAPACITOR-FXD 0.1UF +-10% 25VDC CER	28480	0160-6497

**Table 1. System Board Replaceable Parts (continued)**

Ref Des.	HP Part Number	CD	Qty	Description	Mfr Code	Mfr Part Number
C329	0160-6497	1		CAPACITOR-FXD 0.1UF +-10% 25VDC CER	28480	0160-6497
C330	0160-6731	6		CAPACITOR-FXD 1000PF 50V 10%	28480	0160-6731
C331	0160-6497	1		CAPACITOR-FXD 0.1UF +-10% 25VDC CER	28480	0160-6497
C332	0160-6731	6		CAPACITOR-FXD 1000PF 50V 10%	28480	0160-6731
C333	0160-6731	6		CAPACITOR-FXD 1000PF 50V 10%	28480	0160-6731
C334	0160-6731	6		CAPACITOR-FXD 1000PF 50V 10%	28480	0160-6731
C335-500				NOT ASSIGNED		
C501	0160-7430	4		CAPACITOR-FXD 270PF 5% 500V COG	28480	0160-7430
C502	0160-6728	1		CAPACITOR-FXD 0.022UF +-10% 50VDC CER	28480	0160-6728
C503	0160-6497	1		CAPACITOR-FXD 0.1UF +-10% 25VDC CER	28480	0160-6497
C504	0160-6497	1		CAPACITOR-FXD 0.1UF +-10% 25VDC CER	28480	0160-6497
C505	0160-6497	1		CAPACITOR-FXD 0.1UF +-10% 25VDC CER	28480	0160-6497
C506	0160-6497	1		CAPACITOR-FXD 0.1UF +-10% 25VDC CER	28480	0160-6497
C507	0160-6497	1		CAPACITOR-FXD 0.1UF +-10% 25VDC CER	28480	0160-6497
C508	0160-6497	1		CAPACITOR-FXD 0.1UF +-10% 25VDC CER	28480	0160-6497
C509	0160-6497	1		CAPACITOR-FXD 0.1UF +-10% 25VDC CER	28480	0160-6497
C510	0160-6497	1		CAPACITOR-FXD 0.1UF +-10% 25VDC CER	28480	0160-6497
C511	0160-6497	1		CAPACITOR-FXD 0.1UF +-10% 25VDC CER	28480	0160-6497
C512	0160-6497	1		CAPACITOR-FXD 0.1UF +-10% 25VDC CER	28480	0160-6497
C513	0160-6497	1		CAPACITOR-FXD 0.1UF +-10% 25VDC CER	28480	0160-6497
C514	0160-6497	1		CAPACITOR-FXD 0.1UF +-10% 25VDC CER	28480	0160-6497
C515	0160-7460	0	1	CAPACITOR-FXD 3.3PF	28480	0160-7460
C516	0160-5962	3	1	CAPACITOR-FXD 15PF 50V 5%	28480	0160-5962
CR1	1906-0334	6	14	DIODE-DUAL 200V 200MA T0-236AA	07263	FDS01503
CR2	1906-0334	6		DIODE-DUAL 200V 200MA T0-236AA	07263	FDS01503
CR3	1906-0334	6		DIODE-DUAL 200V 200MA T0-236AA	07263	FDS01503
CR4	1906-0334	6		DIODE-DUAL 200V 200MA T0-236AA	07263	FDS01503
CR5	1906-0334	6		DIODE-DUAL 200V 200MA T0-236AA	07263	FDS01503
CR6	1906-0334	6		DIODE-DUAL 200V 200MA T0-236AA	07263	FDS01503
CR7	1906-0334	6		DIODE-DUAL 200V 200MA T0-236AA	07263	FDS01503
CR8	1906-0334	6		DIODE-DUAL 200V 200MA T0-236AA	07263	FDS01503
CR9-24				NOT ASSIGNED		
CR25	1906-0334	6		DIODE-DUAL 200V 200MA T0-236AA	07263	FDS01503
CR26	1906-0291	4	7	DIODE-DUAL 70V 100MA T0-236AA	04713	MBAV99
CR27	1906-0291	4		DIODE-DUAL 70V 100MA T0-236AA	04713	MBAV99
CR28	1900-0078	3	3	DIODE-SCHOTTKY SM SIG	28480	HSMS-2800
CR29	1900-0078	3		DIODE-SCHOTTKY SM SIG	28480	HSMS-2800
CR30	1906-0336	8	2	DIODE-DUAL 70V 200MA T0-236AA	04713	MBAV70
CR31	1906-0291	4		DIODE-DUAL 70V 100MA T0-236AA	04713	MBAV99
CR32	1902-1565	9	2	DIODE-ZNR 4.7V 5%	28480	1902-1565
CR33	1906-0291	4		DIODE-DUAL 70V 100MA T0-236AA	04713	MBAV99
CR34	1906-0336	8		DIODE-DUAL 70V 200MA T0-236AA	04713	MBAV70
CR35	1906-0334	6		DIODE-DUAL 200V 200MA T0-236AA	07263	FDS01503
CR36	1900-0078	3		DIODE-SCHOTTKY SM SIG	28480	HSMS-2800

**Table 1. System Board Replaceable Parts (continued)**

Ref Des.	HP Part Number	CD	Qty	Description	Mfr Code	Mfr Part Number
CR37	1900-0245	6	2	DIODE-HSM2805	28480	1900-0245
CR38	1906-0334	6		DIODE-DUAL 200V 200MA T0-236AA	07263	FDS01503
CR39	1906-0334	6		DIODE-DUAL 200V 200MA T0-236AA	07263	FDS01503
CR40	1906-0291	4		DIODE-DUAL 70V 100MA T0-236AA	04713	MBAV99
CR41	0122-0172	7	1	DIODE-VVC 29PF 10% C3/C25-MIN=5 BVR=28V	25403	BBY40
CR42	1900-0245	6		DIODE-HSM2805	28480	1900-0245
CR43-500				NOT ASSIGNED		
CR501	1906-0334	6		DIODE-DUAL 200V 200MA T0-236AA	07263	FDS01503
CR502	1906-0334	6		DIODE-DUAL 200V 200MA T0-236AA	07263	FDS01503
CR503	1906-0291	4		DIODE-DUAL 70V 100MA T0-236AA	04713	MBAV99
CR504	1906-0291	4		DIODE-DUAL 70V 100MA T0-236AA	04713	MBAV99
CR505-508				NOT ASSIGNED		
CR509	1902-1565	9		DIODE-ZNR 4.7V 5%	28480	1902-1565
E1	9170-1421	1		37	BEAD SHIELDING Z=77 OHMS at 100 MHz	28480
E2	9170-1421	1	BEAD SHIELDING Z=77 OHMS at 100 MHz		28480	9170-1421
E3	9170-1421	1	BEAD SHIELDING Z=77 OHMS at 100 MHz		28480	9170-1421
E4	9170-1421	1	BEAD SHIELDING Z=77 OHMS at 100 MHz		28480	9170-1421
E5	9170-1421	1	BEAD SHIELDING Z=77 OHMS at 100 MHz		28480	9170-1421
E6	9170-1421	1	BEAD SHIELDING Z=77 OHMS at 100 MHz		28480	9170-1421
E7	9170-1421	1	BEAD SHIELDING Z=77 OHMS at 100 MHz		28480	9170-1421
E8	9170-1421	1	BEAD SHIELDING Z=77 OHMS at 100 MHz		28480	9170-1421
E9	9170-1421	1	BEAD SHIELDING Z=77 OHMS at 100 MHz		28480	9170-1421
E10	9170-1421	1	BEAD SHIELDING Z=77 OHMS at 100 MHz		28480	9170-1421
E11	9170-1421	1	BEAD SHIELDING Z=77 OHMS at 100 MHz		28480	9170-1421
E12	9170-1421	1	BEAD SHIELDING Z=77 OHMS at 100 MHz		28480	9170-1421
E13-16			NOT ASSIGNED			
E17	9170-1421	1	BEAD SHIELDING Z=77 OHMS at 100 MHz		28480	9170-1421
E18	9170-1421	1	BEAD SHIELDING Z=77 OHMS at 100 MHz		28480	9170-1421
E19	9170-1421	1	BEAD SHIELDING Z=77 OHMS at 100 MHz		28480	9170-1421
E20	9170-1421	1	BEAD SHIELDING Z=77 OHMS at 100 MHz		28480	9170-1421
E21	9170-1421	1	BEAD SHIELDING Z=77 OHMS at 100 MHz		28480	9170-1421
E22	9170-1421	1	BEAD SHIELDING Z=77 OHMS at 100 MHz		28480	9170-1421
E23	9170-1421	1	BEAD SHIELDING Z=77 OHMS at 100 MHz		28480	9170-1421
E24	9170-1421	1	BEAD SHIELDING Z=77 OHMS at 100 MHz		28480	9170-1421
E25	9170-1421	1	BEAD SHIELDING Z=77 OHMS at 100 MHz		28480	9170-1421
E26	9170-1421	1	BEAD SHIELDING Z=77 OHMS at 100 MHz		28480	9170-1421
E27	9170-1421	1	BEAD SHIELDING Z=77 OHMS at 100 MHz		28480	9170-1421
E28	9170-1421	1	BEAD SHIELDING Z=77 OHMS at 100 MHz		28480	9170-1421
E29	9170-1421	1	BEAD SHIELDING Z=77 OHMS at 100 MHz		28480	9170-1421
E30	9170-1421	1	BEAD SHIELDING Z=77 OHMS at 100 MHz		28480	9170-1421
E31	9170-1421	1	BEAD SHIELDING Z=77 OHMS at 100 MHz		28480	9170-1421
E32	9170-1421	1	BEAD SHIELDING Z=77 OHMS at 100 MHz		28480	9170-1421
E33	9170-1421	1	BEAD SHIELDING Z=77 OHMS at 100 MHz		28480	9170-1421
E34	9170-1421	1	BEAD SHIELDING Z=77 OHMS at 100 MHz		28480	9170-1421

**Table 1. System Board Replaceable Parts (continued)**

Ref Des.	HP Part Number	CD	Qty	Description	Mfr Code	Mfr Part Number
E35	9170-1421	1		BEAD SHIELDING Z=77 OHMS at 100 MHz	28480	9170-1421
E36	9170-1421	1		BEAD SHIELDING Z=77 OHMS at 100 MHz	28480	9170-1421
E37	9170-1421	1		BEAD SHIELDING Z=77 OHMS at 100 MHz	28480	9170-1421
E38	9170-1421	1		BEAD SHIELDING Z=77 OHMS at 100 MHz	28480	9170-1421
E39-500				NOT ASSIGNED		
E501	9170-1421	1		BEAD SHIELDING Z=77 OHMS at 100 MHz	28480	9170-1421
E502	9170-1421	1		BEAD SHIELDING Z=77 OHMS at 100 MHz	28480	9170-1421
E503	9170-1421	1		BEAD SHIELDING Z=77 OHMS at 100 MHz	28480	9170-1421
J1-4				NOT ASSIGNED		
J5	54601-61602	2	1	SYSTEM CABLE	28480	54601-61602
J6	1251-8600	6	1	CONN-POST TYPE 0.100-PIN-SPCG 16-CONT	28480	1251-8600
J7	1252-4188	9	1	CONNECTOR-M3 THREADS	28480	1252-4188
J8	54601-61601	1	1	PROBE COMP CABLE	28480	54601-61601
J9	1250-2012	0	1	CONNECTOR-RF BNC FEM PC 50-OHM	28480	1250-2012
K1	0490-1713	3	2	TF2SA-5V RELAY	28480	0490-1713
K2	0490-1662	1	2	RELAY-REED	28480	0490-1662
K3	0490-1713	3		TF2SA-5V RELAY	28480	0490-1713
K4	0490-1662	1		RELAY-REED	28480	0490-1662
L1	9140-1121	5	2	L 100UH 5%	28480	9140-1121
L2	9140-1121	5		L 100UH 5%	28480	9140-1121
L3	5081-7682	5	3	RF CHOKE	28480	5081-7682
L4	5081-7682	5		RF CHOKE	28480	5081-7682
L5	5081-7682	5		RF CHOKE	28480	5081-7682
L6	9140-1204	5	1	L 68NH +-5%	28480	9140-1204
L7	9140-1101	1	1	L 470NH +-5%	28480	9140-1101
Q1	1855-0480	4	4	TRANSISTOR J-FET N-CHAN	28480	1855-0480
Q2	1853-0516	3	10	TRANSISTOR PNP TO-236AA PD=350MW	04713	MMBTH81
Q3	1854-1102	7	10	TRANSISTOR NPN SI TO-236AA PD=350MW	04713	MMBTH24
Q4	1853-0516	3		TRANSISTOR PNP TO-236AA PD=350MW	04713	MMBTH81
Q5	1853-0516	3		TRANSISTOR PNP TO-236AA PD=350MW	04713	MMBTH81
Q6	1854-1037	7	22	TRANSISTOR NPN SI TO-236AA PD=350MW	04713	MMBT3904
Q7	1853-0567	4	7	TRANSISTOR PNP SI TO-236AA PD=350MW	04713	MMBT3906
Q8	1855-0480	4		TRANSISTOR J-FET N-CHAN	28480	1855-0480
Q9	1853-0516	3		TRANSISTOR PNP TO-236AA PD=350MW	04713	MMBTH81
Q10	1853-0516	3		TRANSISTOR PNP TO-236AA PD=350MW	04713	MMBTH81
Q11	1853-0516	3		TRANSISTOR PNP TO-236AA PD=350MW	04713	MMBTH81
Q12	1854-1102	7		TRANSISTOR NPN SI TO-236AA PD=350MW	04713	MMBTH24
Q13	1854-1037	7		TRANSISTOR NPN SI TO-236AA PD=350MW	04713	MMBT3904
Q14	1853-0567	4		TRANSISTOR PNP SI TO-236AA PD=350MW	04713	MMBT3906
Q15-24				NOT ASSIGNED		
Q25	1854-1037	7		TRANSISTOR NPN SI TO-236AA PD=350MW	04713	MMBT3904
Q26	1855-0480	4		TRANSISTOR J-FET N-CHAN	28480	1855-0480
Q27	1854-1102	7		TRANSISTOR NPN SI TO-236AA PD=350MW	04713	MMBTH24

**Table 1. System Board Replaceable Parts (continued)**

Ref Des.	HP Part Number	CD	Qty	Description	Mfr Code	Mfr Part Number
Q28	1854-1102	7		TRANSISTOR NPN SI TO-236AA PD=350MW	04713	MMBTH24
Q29	1854-1102	7		TRANSISTOR NPN SI TO-236AA PD=350MW	04713	MMBTH24
Q30	1854-1037	7		TRANSISTOR NPN SI TO-236AA PD=350MW	04713	MMBT3904
Q31	1854-1037	7		TRANSISTOR NPN SI TO-236AA PD=350MW	04713	MMBT3904
Q32	1854-1102	7		TRANSISTOR NPN SI TO-236AA PD=350MW	04713	MMBTH24
Q33	1854-1102	7		TRANSISTOR NPN SI TO-236AA PD=350MW	04713	MMBTH24
Q34	1854-1037	7		TRANSISTOR NPN SI TO-236AA PD=350MW	04713	MMBT3904
Q35	1854-1037	7		TRANSISTOR NPN SI TO-236AA PD=350MW	04713	MMBT3904
Q36	1854-1037	7		TRANSISTOR NPN SI TO-236AA PD=350MW	04713	MMBT3904
Q37				NOT ASSIGNED		
Q38	1854-1148	1	4	TRANSISTOR NPN SI TO-236AA PD=350MW	04713	MMBTH10
Q39	1854-1148	1		TRANSISTOR NPN SI TO-236AA PD=350MW	04713	MMBTH10
Q40-41				NOT ASSIGNED		
Q42	1854-1037	7		TRANSISTOR NPN SI TO-236AA PD=350MW	04713	MMBT3904
Q43	1854-1037	7		TRANSISTOR NPN SI TO-236AA PD=350MW	04713	MMBT3904
Q44	1853-0567	4		TRANSISTOR PNP SI TO-236AA PD=350MW	04713	MMBT3906
Q45	1853-0516	3		TRANSISTOR PNP TO-236AA PD=350MW	04713	MMBTH81
Q46	1853-0516	3		TRANSISTOR PNP TO-236AA PD=350MW	04713	MMBTH81
Q47	1853-0567	4		TRANSISTOR PNP SI TO-236AA PD=350MW	04713	MMBT3906
Q48	1854-1037	7		TRANSISTOR NPN SI TO-236AA PD=350MW	04713	MMBT3904
Q49	1854-1037	7		TRANSISTOR NPN SI TO-236AA PD=350MW	04713	MMBT3904
Q50	1854-1037	7		TRANSISTOR NPN SI TO-236AA PD=350MW	04713	MMBT3904
Q51	1853-0567	4		TRANSISTOR PNP SI TO-236AA PD=350MW	04713	MMBT3906
Q52	1853-0567	4		TRANSISTOR PNP SI TO-236AA PD=350MW	04713	MMBT3906
Q53	1854-1037	7		TRANSISTOR NPN SI TO-236AA PD=350MW	04713	MMBT3904
Q54	1854-1037	7		TRANSISTOR NPN SI TO-236AA PD=350MW	04713	MMBT3904
Q55	1854-1037	7		TRANSISTOR NPN SI TO-236AA PD=350MW	04713	MMBT3904
Q56	1854-1037	7		TRANSISTOR NPN SI TO-236AA PD=350MW	04713	MMBT3904
Q57	1854-1037	7		TRANSISTOR NPN SI TO-236AA PD=350MW	04713	MMBT3904
Q58	1854-1148	1		TRANSISTOR NPN SI TO-236AA PD=350MW	04713	MMBTH10
Q59	1854-1148	1		TRANSISTOR NPN SI TO-236AA PD=350MW	04713	MMBTH10
Q60	1854-1037	7		TRANSISTOR NPN SI TO-236AA PD=350MW	04713	MMBT3904
Q61	1855-0715	8	1	TRANSISTOR J-FET N-CHAN D-MODE TO-236AA	27014	MMBF4393
Q62	1854-1037	7		TRANSISTOR NPN SI TO-236AA PD=350MW	04713	MMBT3904
Q63				NOT ASSIGNED		
Q64	1854-1037	7		TRANSISTOR NPN SI TO-236AA PD=350MW	04713	MMBT3904
Q65	1853-0567	4		TRANSISTOR PNP SI TO-236AA PD=350MW	04713	MMBT3906
Q66	1854-1037	7		TRANSISTOR NPN SI TO-236AA PD=350MW	04713	MMBT3904
Q67-500				NOT ASSIGNED		
Q501	1855-0480	4		TRANSISTOR J-FET N-CHAN	28480	1855-0480
Q502	1854-1102	7		TRANSISTOR NPN SI TO-236AA PD=350MW	04713	MMBTH24
Q503	1853-0516	3		TRANSISTOR PNP TO-236AA PD=350MW	04713	MMBTH81
Q504	1854-1102	7		TRANSISTOR NPN SI TO-236AA PD=350MW	04713	MMBTH24
Q505	1854-1102	7		TRANSISTOR NPN SI TO-236AA PD=350MW	04713	MMBTH24

**Table 1. System Board Replaceable Parts (continued)**

Ref Des.	HP Part Number	CD	Qty	Description	Mfr Code	Mfr Part Number
Q506	1853-0516	3		TRANSISTOR PNP TO-236AA PD=350MW	04713	MMBTH81
R1	0699-1354	0	15	RESISTOR 26.1 1% 0.125W	28480	0699-1354
R2	0699-3083	6	2	RESISTOR 950K 0.1%	28480	0699-3083
R3	0699-3084	7	2	RESISTOR 52.63K 0.1%	28480	0699-3084
R4	0699-1364	2	7	RESISTOR 68.1 1% 0.125W	28480	0699-1364
R5	0699-1358	4	2	RESISTOR 38.3 1% 0.125W	28480	0699-1358
R6	0699-3086	9	5	RESISTOR 800K 0.1%	28480	0699-3086
R7	0699-1354	0		RESISTOR 26.1 1% 0.125W	28480	0699-1354
R8	0699-1431	4	11	RESISTOR 464 1% 0.125W	28480	0699-1431
R9	0699-3085	8	4	RESISTOR 400K 0.1%	28480	0699-3085
R10	0699-3085	8		RESISTOR 400K 0.1%	28480	0699-3085
R11	0699-2483	8	4	RESISTOR 4K 1% 0.125W	28480	0699-2483
R12	0699-1371	1	4	RESISTOR 1.33K 1% 0.125W TKF TC=0+-100	28480	0699-1371
R13	0699-2822	9	3	RESISTOR 200K 0.1% 0.125W	28480	0699-2822
R14	0699-2483	8		RESISTOR 4K 1% 0.125W	28480	0699-2483
R15	0699-2490	7	2	RESISTOR 1K 1% 0.125W	28480	0699-2490
R16	0699-1391	5	23	RESISTOR 10K 1% 0.125W	28480	0699-1391
R17	0699-1380	2	11	RESISTOR 3.16K 1% 0.125W	28480	0699-1380
R18	0699-1432	5	8	RESISTOR 511 1% 0.125W	28480	0699-1432
R19	0699-1328	8	3	RESISTOR 0.12TKF 4.7M 10 1206	28480	0699-1328
R20	0699-1344	8	6	RESISTOR 10 1% 0.125W	28480	0699-1344
R21	0699-1437	0	6	RESISTOR 825 1% 0.125W	28480	0699-1437
R22	0699-1380	2		RESISTOR 3.16K 1% 0.125W	28480	0699-1380
R23	0699-1318	6	19	RESISTOR 10K 5% 0.25W CC TC=400/+700	28480	0699-1318
R24	0699-1419	8	6	RESISTOR 147 1% 0.125W	28480	0699-1419
R25	0699-1431	4		RESISTOR 464 1% 0.125W	28480	0699-1431
R26	0699-1344	8		RESISTOR 10 1% 0.125W	28480	0699-1344
R27	0699-1352	8	6	RESISTOR 21.5 1% 0.125W	28480	0699-1352
R28	0699-3086	9		RESISTOR 800K 0.1%	28480	0699-3086
R29	0699-1415	4	23	RESISTOR 100 1% 0.125W	28480	0699-1415
R30	0699-2491	8	4	RESISTOR 0.12F 20K 0.1 1206	28480	0699-2491
R31	0699-1382	4	4	RESISTOR 3.83K 1% 0.125W	28480	0699-1382
R32	0699-1329	9	2	RESISTOR 6.19K 1% 0.125W	28480	0699-1329
R33	0699-1318	6		RESISTOR 10K 5% 0.25W CC TC=400/+700	28480	0699-1318
R34	0699-1378	8	13	RESISTOR 2.61K 1% 0.125W	28480	0699-1378
R35	0699-1352	8		RESISTOR 21.5 1% 0.125W	28480	0699-1352
R36	0699-1384	6	13	RESISTOR 4.64K 1% 0.125W	28480	0699-1384
R37	0699-1415	4		RESISTOR 100 1% 0.125W	28480	0699-1415
R38	0699-1384	6		RESISTOR 4.64K 1% 0.125W	28480	0699-1384
R39	0699-1384	6		RESISTOR 4.64K 1% 0.125W	28480	0699-1384
R40	0699-1354	0		RESISTOR 26.1 1% 0.125W	28480	0699-1354
R41	0699-3083	6		RESISTOR 950K 0.1%	28480	0699-3083
R42	0699-3084	7		RESISTOR 52.63K 0.1%	28480	0699-3084
R43	0699-1364	2		RESISTOR 68.1 1% 0.125W	28480	0699-1364

**Table 1. System Board Replaceable Parts (continued)**

Ref Des.	HP Part Number	CD	Qty	Description	Mfr Code	Mfr Part Number
R44	0699-1431	4		RESISTOR 464 1% 0.125W	28480	0699-1431
R45	0699-3085	8		RESISTOR 400K 0.1%	28480	0699-3085
R46	0699-3085	8		RESISTOR 400K 0.1%	28480	0699-3085
R47	0699-2491	8		RESISTOR 0.12F 20K 0.1 1206	28480	0699-2491
R48	0699-2822	9		RESISTOR 200K 0.1% 0.125W	28480	0699-2822
R49	0699-2483	8		RESISTOR 4K 1% 0.125W	28480	0699-2483
R50	0699-1371	1		RESISTOR 1.33K 1% 0.125W TKF TC=0+-100	28480	0699-1371
R51	0699-2483	8		RESISTOR 4K 1% 0.125W	28480	0699-2483
R52	0699-2490	7		RESISTOR 1K 1% 0.125W	28480	0699-2490
R53	0699-1391	5		RESISTOR 10K 1% 0.125W	28480	0699-1391
R54	0699-1415	4		RESISTOR 100 1% 0.125W	28480	0699-1415
R55	0699-1380	2		RESISTOR 3.16K 1% 0.125W	28480	0699-1380
R56	0699-1358	4		RESISTOR 38.3 1% 0.125W	28480	0699-1358
R57	0699-3086	9		RESISTOR 800K 0.1%	28480	0699-3086
R58	0699-1362	0	30	RESISTOR 56.2 1% 0.125W	28480	0699-1362
R59	0699-1328	8		RESISTOR 0.12TKF 4.7M 10 1206	28480	0699-1328
R60	0699-1415	4		RESISTOR 100 1% 0.125W	28480	0699-1415
R61	0699-1380	2		RESISTOR 3.16K 1% 0.125W	28480	0699-1380
R62	0699-1318	6		RESISTOR 10K 5% 0.25W CC TC=400/+700	28480	0699-1318
R63	0699-1419	8		RESISTOR 147 1% 0.125W	28480	0699-1419
R64	0699-1431	4		RESISTOR 464 1% 0.125W	28480	0699-1431
R65	0699-1415	4		RESISTOR 100 1% 0.125W	28480	0699-1415
R66	0699-1437	0		RESISTOR 825 1% 0.125W	28480	0699-1437
R67	0699-1352	8		RESISTOR 21.5 1% 0.125W	28480	0699-1352
R68	0699-3086	9		RESISTOR 800K 0.1%	28480	0699-3086
R69	0699-1432	5		RESISTOR 511 1% 0.125W	28480	0699-1432
R70	0699-1382	4		RESISTOR 3.83K 1% 0.125W	28480	0699-1382
R71	0699-1329	9		RESISTOR 6.19K 1% 0.125W	28480	0699-1329
R72	0699-1318	6		RESISTOR 10K 5% 0.25W CC TC=400/+700	28480	0699-1318
R73	0699-1378	8		RESISTOR 2.61K 1% 0.125W	28480	0699-1378
R74	0699-1352	8		RESISTOR 21.5 1% 0.125W	28480	0699-1352
R75	0699-1384	6		RESISTOR 4.64K 1% 0.125W	28480	0699-1384
R76	0699-1384	6		RESISTOR 4.64K 1% 0.125W	28480	0699-1384
R77	0699-1384	6		RESISTOR 4.64K 1% 0.125W	28480	0699-1384
R78	0699-1415	4		RESISTOR 100 1% 0.125W	28480	0699-1415
R79-89				NOT ASSIGNED		
R90	0699-1362	0		RESISTOR 56.2 1% 0.125W	28480	0699-1362
R91-121				NOT ASSIGNED		
R122	0699-1383	5	13	RESISTOR 12TKF 4.22K 1 1206	28480	0699-1383
R123-141				NOT ASSIGNED		
R142	0699-2484	9	16	RESISTOR 50K 1% 0.125W	28480	0699-2484
R143				NOT ASSIGNED		
R144	0699-2491	8		RESISTOR 0.12F 20K 0.1 1206	28480	0699-2491
R145	0699-1330	2	26	RESISTOR 100K 1% 0.125W	28480	0699-1330

**Table 1. System Board Replaceable Parts (continued)**

Ref Des.	HP Part Number	CD	Qty	Description	Mfr Code	Mfr Part Number
R146	0699-1431	4		RESISTOR 464 1% 0.125W	28480	0699-1431
R147	0699-1463	2	4	RESISTOR 1.5M 5% 0.125W TKF TC=0+-200	28480	0699-1463
R148	0699-1423	4	10	RESISTOR 215 1% 0.125W	28480	0699-1423
R149	0699-1391	5		RESISTOR 10K 1% 0.125W	28480	0699-1391
R150	0699-1391	5		RESISTOR 10K 1% 0.125W	28480	0699-1391
R151	0699-1431	4		RESISTOR 464 1% 0.125W	28480	0699-1431
R152	0699-1330	2		RESISTOR 100K 1% 0.125W	28480	0699-1330
R153	0699-1382	4		RESISTOR 3.83K 1% 0.125W	28480	0699-1382
R154	0699-1330	2		RESISTOR 100K 1% 0.125W	28480	0699-1330
R155	0699-1391	5		RESISTOR 10K 1% 0.125W	28480	0699-1391
R156	0699-1384	6		RESISTOR 4.64K 1% 0.125W	28480	0699-1384
R157	0699-1330	2		RESISTOR 100K 1% 0.125W	28480	0699-1330
R158	0699-1419	8		RESISTOR 147 1% 0.125W	28480	0699-1419
R159	0699-1318	6		RESISTOR 10K 5% 0.25W CC TC=400/+700	28480	0699-1318
R160	0699-1318	6		RESISTOR 10K 5% 0.25W CC TC=400/+700	28480	0699-1318
R161	0699-1384	6		RESISTOR 4.64K 1% 0.125W	28480	0699-1384
R162	0699-1360	8	9	RESISTOR 0.125TKF 46.4 1 1206	28480	0699-1360
R163	0699-1360	8		RESISTOR 0.125TKF 46.4 1 1206	28480	0699-1360
R164	0699-1382	4		RESISTOR 3.83K 1% 0.125W	28480	0699-1382
R165	0699-1437	0		RESISTOR 825 1% 0.125W	28480	0699-1437
R166	0699-1398	2	6	RESISTOR 21.5K 1% 0.125W	28480	0699-1398
R167	0699-1400	7	2	RESISTOR 26.1K 1% 0.125W	28480	0699-1400
R168	0699-1391	5		RESISTOR 10K 1% 0.125W	28480	0699-1391
R169	0699-1330	2		RESISTOR 100K 1% 0.125W	28480	0699-1330
R170	0699-1330	2		RESISTOR 100K 1% 0.125W	28480	0699-1330
R171	0699-1394	8	10	RESISTOR 14.7K 1% 0.125W	28480	0699-1394
R172	0699-1394	8		RESISTOR 14.7K 1% 0.125W	28480	0699-1394
R173	0699-1371	1		RESISTOR 1.33K 1% 0.125W TKF TC=0+-100	28480	0699-1371
R174	0699-1458	5	1	RESISTOR 681K 1% 0.125W	28480	0699-1458
R175	0699-1415	4		RESISTOR 100 1% 0.125W	28480	0699-1415
R176	0699-1415	4		RESISTOR 100 1% 0.125W	28480	0699-1415
R177	0699-1432	5		RESISTOR 511 1% 0.125W	28480	0699-1432
R178	0699-1318	6		RESISTOR 10K 5% 0.25W CC TC=400/+700	28480	0699-1318
R179	0699-1360	8		RESISTOR 0.125TKF 46.4 1 1206	28480	0699-1360
R180				NOT ASSIGNED		
R181	0699-1362	0		RESISTOR 56.2 1% 0.125W	28480	0699-1362
R182	0699-1362	0		RESISTOR 56.2 1% 0.125W	28480	0699-1362
R183	0699-1432	5		RESISTOR 511 1% 0.125W	28480	0699-1432
R184-185				NOT ASSIGNED		
R186	0699-1415	4		RESISTOR 100 1% 0.125W	28480	0699-1415
R187	0699-1360	8		RESISTOR 0.125TKF 46.4 1 1206	28480	0699-1360
R188	0699-1360	8		RESISTOR 0.125TKF 46.4 1 1206	28480	0699-1360
R189-190				NOT ASSIGNED		
R191	2100-4233	5	2	RESISTOR TRMR 500 20%	28480	2100-4233



**Table 1. System Board Replaceable Parts (continued)**

Ref Des.	HP Part Number	CD	Qty	Description	Mfr Code	Mfr Part Number
R192	2100-4233	5		RESISTOR TRMR 500 20%	28480	2100-4233
R193	0699-1431	4		RESISTOR 464 1% 0.125W	28480	0699-1431
R194	0699-1419	8		RESISTOR 147 1% 0.125W	28480	0699-1419
R195	0699-1391	5		RESISTOR 10K 1% 0.125W	28480	0699-1391
R196	0699-1431	4		RESISTOR 464 1% 0.125W	28480	0699-1431
R197	0699-1431	4		RESISTOR 464 1% 0.125W	28480	0699-1431
R198	0699-1391	5		RESISTOR 10K 1% 0.125W	28480	0699-1391
R199-200				NOT ASSIGNED		
R201	0699-2484	9		RESISTOR 50K 1% 0.125W	28480	0699-2484
R202	0699-2491	8		RESISTOR 0.12F 20K 0.1 1206	28480	0699-2491
R203	0699-1445	0	2	RESISTOR 215K 1% 0.125W	28480	0699-1445
R204	0699-1433	6	8	RESISTOR 562 1% 0.125W	28480	0699-1433
R205	0699-1433	6		RESISTOR 562 1% 0.125W	28480	0699-1433
R206	0699-1362	0		RESISTOR 56.2 1% 0.125W	28480	0699-1362
R207	0699-1433	6		RESISTOR 562 1% 0.125W	28480	0699-1433
R208	0699-2484	9		RESISTOR 50K 1% 0.125W	28480	0699-2484
R209				NOT ASSIGNED		
R210	0699-2484	9		RESISTOR 50K 1% 0.125W	28480	0699-2484
R211	0699-2484	9		RESISTOR 50K 1% 0.125W	28480	0699-2484
R212	0699-2484	9		RESISTOR 50K 1% 0.125W	28480	0699-2484
R213	0699-1398	2		RESISTOR 21.5K 1% 0.125W	28480	0699-1398
R214	0699-1398	2		RESISTOR 21.5K 1% 0.125W	28480	0699-1398
R215	0699-1452	9	3	RESISTOR 422K 1% 0.125W TKF TC=0+-100	28480	0699-1452
R216	0699-1423	4		RESISTOR 215 1% 0.125W	28480	0699-1423
R217	0699-1434	7	5	RESISTOR 619 1% 0.125W	28480	0699-1434
R218	0699-1380	2		RESISTOR 3.16K 1% 0.125W	28480	0699-1380
R219	0699-1433	6		RESISTOR 562 1% 0.125W	28480	0699-1433
R220	0699-1330	2		RESISTOR 100K 1% 0.125W	28480	0699-1330
R221	0699-2484	9		RESISTOR 50K 1% 0.125W	28480	0699-2484
R222	0699-2484	9		RESISTOR 50K 1% 0.125W	28480	0699-2484
R223	0699-2484	9		RESISTOR 50K 1% 0.125W	28480	0699-2484
R224	0699-2484	9		RESISTOR 50K 1% 0.125W	28480	0699-2484
R225				NOT ASSIGNED		
R226	0699-2484	9		RESISTOR 50K 1% 0.125W	28480	0699-2484
R227	0699-2484	9		RESISTOR 50K 1% 0.125W	28480	0699-2484
R228	0699-2484	9		RESISTOR 50K 1% 0.125W	28480	0699-2484
R229	0699-2484	9		RESISTOR 50K 1% 0.125W	28480	0699-2484
R230	0699-2484	9		RESISTOR 50K 1% 0.125W	28480	0699-2484
R231	0699-2484	9		RESISTOR 50K 1% 0.125W	28480	0699-2484
R232	0699-1330	2		RESISTOR 100K 1% 0.125W	28480	0699-1330
R233	0699-1330	2		RESISTOR 100K 1% 0.125W	28480	0699-1330
R234	0699-1330	2		RESISTOR 100K 1% 0.125W	28480	0699-1330
R235	0699-1330	2		RESISTOR 100K 1% 0.125W	28480	0699-1330
R236	0699-1330	2		RESISTOR 100K 1% 0.125W	28480	0699-1330

**Table 1. System Board Replaceable Parts (continued)**

Ref Des.	HP Part Number	CD	Qty	Description	Mfr Code	Mfr Part Number
R237				NOT ASSIGNED		
R238	0699-1330	2		RESISTOR 100K 1% 0.125W	28480	0699-1330
R239	0699-1330	2		RESISTOR 100K 1% 0.125W	28480	0699-1330
R240	0699-1330	2		RESISTOR 100K 1% 0.125W	28480	0699-1330
R241	0699-1318	6		RESISTOR 10K 5% 0.25W CC TC=400/+700	28480	0699-1318
R242	0699-1330	2		RESISTOR 100K 1% 0.125W	28480	0699-1330
R243	0699-1330	2		RESISTOR 100K 1% 0.125W	28480	0699-1330
R244	0699-1330	2		RESISTOR 100K 1% 0.125W	28480	0699-1330
R245	0699-1350	6	2	RESISTOR 17.8 1% 0.125W	28480	0699-1350
R246	0699-1350	6		RESISTOR 17.8 1% 0.125W	28480	0699-1350
R247	0699-1433	6		RESISTOR 562 1% 0.125W	28480	0699-1433
R248	0699-1384	6		RESISTOR 4.64K 1% 0.125W	28480	0699-1384
R249	0699-1364	2		RESISTOR 68.1 1% 0.125W	28480	0699-1364
R250	0699-1364	2		RESISTOR 68.1 1% 0.125W	28480	0699-1364
R251	0699-1364	2		RESISTOR 68.1 1% 0.125W	28480	0699-1364
R252	0699-1318	6		RESISTOR 0.12TKF 1K 1	28480	0699-1318
R253	0699-1437	0		RESISTOR 825 1% 0.125W	28480	0699-1437
R254	0699-1391	5		RESISTOR 10K 1% 0.125W	28480	0699-1391
R255	0699-1431	4		RESISTOR 464 1% 0.125W	28480	0699-1431
R256	0699-1065	0	1	RESISTOR 10K 5% 0.25W CC TC=-400/+700	28480	0699-1065
R257	0699-1503	1	4	RESISTOR ZERO OHMS	28480	0699-1503
R258	0699-1503	1		RESISTOR ZERO OHMS	28480	0699-1503
R259	2100-4301	8	1	NOBEL 200K POTENTIOMTER	28480	2100-4301
R260	0699-1362	0		RESISTOR 56.2 1% 0.125W	28480	0699-1362
R261	0699-1362	0		RESISTOR 56.2 1% 0.125W	28480	0699-1362
R262	0699-1354	0		RESISTOR 26.1 1% 0.125W	28480	0699-1354
R263	0699-1447	2	2	RESISTOR 261K 1% 0.125W	28480	0699-1447
R264				NOT ASSIGNED		
R265	0699-1419	8		RESISTOR 147 1% 0.125W	28480	0699-1419
R266	0699-1425	6	5	RESISTOR 266 1% 0.125W	28480	0699-1425
R267				NOT ASSIGNED		
R268	0699-1362	0		RESISTOR 56.2 1% 0.125W	28480	0699-1362
R269	0699-1362	0		RESISTOR 56.2 1% 0.125W	28480	0699-1362
R270	0699-1354	0		RESISTOR 26.1 1% 0.125W	28480	0699-1354
R271				NOT ASSIGNED		
R272	0699-1383	5		RESISTOR 12TKF 4.22K 1 1206	28480	0699-1383
R273	0699-1434	7		RESISTOR 619 1% 0.125W	28480	0699-1434
R274	0699-1383	5		RESISTOR 12TKF 4.22K 1 1206	28480	0699-1383
R275	0699-1394	8		RESISTOR 14.7K 1% 0.125W	28480	0699-1394
R276	0699-1425	6		RESISTOR 266 1% 0.125W	28480	0699-1425
R277	0699-1354	0		RESISTOR 26.1 1% 0.125W	28480	0699-1354
R278	0699-1391	5		RESISTOR 10K 1% 0.125W	28480	0699-1391
R279	0699-1423	4		RESISTOR 215 1% 0.125W	28480	0699-1423
R280	0699-1398	2		RESISTOR 21.5K 1% 0.125W	28480	0699-1398
R281	0699-1362	0		RESISTOR 56.2 1% 0.125W	28480	0699-1362

**Table 1. System Board Replaceable Parts (continued)**

Ref Des.	HP Part Number	CD	Qty	Description	Mfr Code	Mfr Part Number
R282	0699-1354	0		RESISTOR 26.1 1% 0.125W	28480	0699-1354
R283	0699-1423	4		RESISTOR 215 1% 0.125W	28480	0699-1423
R284				NOT ASSIGNED		
R285	0699-1443	8	2	RESISTOR 147K 1% 0.125W	28480	0699-1443
R286	0699-1362	0		RESISTOR 56.2 1% 0.125W	28480	0699-1362
R287	0699-1399	3	2	RESISTOR 23.7K 1% 0.125W	28480	0699-1399
R288	0699-1425	6		RESISTOR 266 1% 0.125W	28480	0699-1425
R289	0699-1429	0	4	RESISTOR 383 1% 0.125W	28480	0699-1429
R290	0699-1425	6		RESISTOR 266 1% 0.125W	28480	0699-1425
R291	0699-1430	3	1	RESISTOR 422 1% 0.125W	28480	0699-1430
R292	0699-1354	0		RESISTOR 26.1 1% 0.125W	28480	0699-1354
R293	0699-1415	4		RESISTOR 100 1% 0.125W	28480	0699-1415
R294	0699-1437	0		RESISTOR 825 1% 0.125W	28480	0699-1437
R295	0699-1380	2		RESISTOR 3.16K 1% 0.125W	28480	0699-1380
R296	0699-1362	0		RESISTOR 56.2 1% 0.125W	28480	0699-1362
R297	0699-1438	1	2	RESISTOR 909 1% 0.125W TKF TC=0+-100	28480	0699-1438
R298	0699-1429	0		RESISTOR 383 1% 0.125W	28480	0699-1429
R299	0699-1378	8		RESISTOR 2.61K 1% 0.125W	28480	0699-1378
R300	0699-1434	7		RESISTOR 619 1% 0.125W	28480	0699-1434
R301	0699-1503	1		RESISTOR ZERO OHMS	28480	0699-1503
R302	0699-1354	0		RESISTOR 26.1 1% 0.125W	28480	0699-1354
R303-304				NOT ASSIGNED		
R305	0699-1438	1		RESISTOR 909 1% 0.125W TKF TC=0+-100	28480	0699-1438
R306	0699-1446	1	1	RESISTOR 237K 1% 0.125W TKF TC=0+-100	28480	0699-1446
R307	0699-1391	5		RESISTOR 10K 1% 0.125W	28480	0699-1391
R308	0699-1318	6		RESISTOR 0.12TKF 1K 1	28480	0699-1318
R309	0699-1354	0		RESISTOR 26.1 1% 0.125W	28480	0699-1354
R310	0699-1378	8		RESISTOR 2.61K 1% 0.125W	28480	0699-1378
R311	0699-1362	0		RESISTOR 56.2 1% 0.125W	28480	0699-1362
R312	0699-1354	0		RESISTOR 26.1 1% 0.125W	28480	0699-1354
R313	0699-1380	2		RESISTOR 3.16K 1% 0.125W	28480	0699-1380
R314	0699-1354	0		RESISTOR 26.1 1% 0.125W	28480	0699-1354
R315	0699-1362	0		RESISTOR 56.2 1% 0.125W	28480	0699-1362
R316	0699-1447	2		RESISTOR 261K 1% 0.125W	28480	0699-1447
R317	0699-1362	0		RESISTOR 56.2 1% 0.125W	28480	0699-1362
R318	0699-1362	0		RESISTOR 56.2 1% 0.125W	28480	0699-1362
R319	0699-1391	5		RESISTOR 10K 1% 0.125W	28480	0699-1391
R320	0699-1394	8		RESISTOR 14.7K 1% 0.125W	28480	0699-1394
R321	0699-1445	0		RESISTOR 215K 1% 0.125W	28480	0699-1445
R322	0699-1391	5		RESISTOR 10K 1% 0.125W	28480	0699-1391
R323	0699-1425	6		RESISTOR 266 1% 0.125W	28480	0699-1425
R324	0699-1383	5		RESISTOR 12TKF 4.22K 1 1206	28480	0699-1383
R325	0699-1354	0		RESISTOR 26.1 1% 0.125W	28480	0699-1354
R326	0699-1405	2	2	RESISTOR 38.3K 1% 0.125W	28480	0699-1405

**Table 1. System Board Replaceable Parts (continued)**

Ref Des.	HP Part Number	CD	Qty	Description	Mfr Code	Mfr Part Number
R327	0699-1391	5		RESISTOR 10K 1% 0.125W	28480	0699-1391
R328	0699-1391	5		RESISTOR 10K 1% 0.125W	28480	0699-1391
R329	0699-1362	0		RESISTOR 56.2 1% 0.125W	28480	0699-1362
R330	0699-1785	1	2	RESISTOR 13.3K 1% 0.125W	28480	0699-1785
R331	0699-1399	3		RESISTOR 23.7K 1% 0.125W	28480	0699-1399
R332	0699-1391	5		RESISTOR 10K 1% 0.125W	28480	0699-1391
R333	0699-1362	0		RESISTOR 56.2 1% 0.125W	28480	0699-1362
R334	0699-1426	7	2	RESISTOR 287 1% 0.125W	28480	0699-1426
R335	0699-1419	8		RESISTOR 147 1% 0.125W	28480	0699-1419
R336	0699-1354	0		RESISTOR 26.1 1% 0.125W	28480	0699-1354
R337	0699-1415	4		RESISTOR 100 1% 0.125W	28480	0699-1415
R338	0699-1415	4		RESISTOR 100 1% 0.125W	28480	0699-1415
R339	0699-1330	2		RESISTOR 100K 1% 0.125W	28480	0699-1330
R340	0699-1395	9	3	RESISTOR 16.2K 1% 0.125W TKF TC=0+-100	28480	0699-1395
R341	0699-1394	8		RESISTOR 14.7K 1% 0.125W	28480	0699-1394
R342	0699-1398	2		RESISTOR 21.5K 1% 0.125W	28480	0699-1398
R343	0699-1322	2	2	RESISTOR 68.1k 1% 0.125W	28480	0699-1322
R344	0699-1391	5		RESISTOR 10K 1% 0.125W	28480	0699-1391
R345	0699-1362	0		RESISTOR 56.2 1% 0.125W	28480	0699-1362
R346	0699-1322	2		RESISTOR 68.1k 1% 0.125W	28480	0699-1322
R347	0699-1362	0		RESISTOR 56.2 1% 0.125W	28480	0699-1362
R348	0699-1318	6		RESISTOR 0.12TKF 1K 1	28480	0699-1318
R349	0699-1391	5		RESISTOR 10K 1% 0.125W	28480	0699-1391
R350	0699-1318	6		RESISTOR 0.12TKF 1K 1	28480	0699-1318
R351	0699-1415	4		RESISTOR 100 1% 0.125W	28480	0699-1415
R352	0699-1785	1		RESISTOR 13.3K 1% 0.125W	28480	0699-1785
R353	0699-1362	0		RESISTOR 56.2 1% 0.125W	28480	0699-1362
R354				NOT ASSIGNED		
R355	0699-1383	5		RESISTOR 12TKF 4.22K 1 1206	28480	0699-1383
R356	0699-1415	4		RESISTOR 100 1% 0.125W	28480	0699-1415
R357	0699-1426	7		RESISTOR 287 1% 0.125W	28480	0699-1426
R358	0699-1318	6		RESISTOR 0.12TKF 1K 1	28480	0699-1318
R359	0699-1318	6		RESISTOR 0.12TKF 1K 1	28480	0699-1318
R360	0699-1423	4		RESISTOR 215 1% 0.125W	28480	0699-1423
R361	0699-1380	2		RESISTOR 3.16K 1% 0.125W	28480	0699-1380
R362	0699-1318	6		RESISTOR 0.12TKF 1K 1	28480	0699-1318
R363	0699-1360	8		RESISTOR 0.125TKF 46.4 1 1206	28480	0699-1360
R364	0699-1380	2		RESISTOR 3.16K 1% 0.125W	28480	0699-1380
R365	0699-1432	5		RESISTOR 511 1% 0.125W	28480	0699-1432
R366	0699-1432	5		RESISTOR 511 1% 0.125W	28480	0699-1432
R367	0699-1384	6		RESISTOR 4.64K 1% 0.125W	28480	0699-1384
R368	0699-1364	2		RESISTOR 68.1 1% 0.125W	28480	0699-1364
R369	0699-1364	2		RESISTOR 68.1 1% 0.125W	28480	0699-1364
R370	0699-1384	6		RESISTOR 4.64K 1% 0.125W	28480	0699-1384

**Table 1. System Board Replaceable Parts (continued)**

Ref Des.	HP Part Number	CD	Qty	Description	Mfr Code	Mfr Part Number
R371	0699-1432	5		RESISTOR 511 1% 0.125W	28480	0699-1432
R372	0699-1437	0		RESISTOR 825 1% 0.125W	28480	0699-1437
R373	0699-1423	4		RESISTOR 215 1% 0.125W	28480	0699-1423
R374	0699-1394	8		RESISTOR 14.7K 1% 0.125W	28480	0699-1394
R375	0699-1394	8		RESISTOR 14.7K 1% 0.125W	28480	0699-1394
R376	0699-1394	8		RESISTOR 14.7K 1% 0.125W	28480	0699-1394
R377	0699-1394	8		RESISTOR 14.7K 1% 0.125W	28480	0699-1394
R378	0699-1378	8		RESISTOR 2.61K 1% 0.125W	28480	0699-1378
R379	0699-1318	6		RESISTOR 0.12TKF 1K 1	28480	0699-1318
R380	0699-1380	2		RESISTOR 3.16K 1% 0.125W	28480	0699-1380
R381	0699-1362	0		RESISTOR 56.2 1% 0.125W	28480	0699-1362
R382	0699-1463	2		RESISTOR 1.5M 5% 0.125W TKF TC=0+-200	28480	0699-1463
R383	0699-1405	2		RESISTOR 38.3K 1% 0.125W	28480	0699-1405
R384	0699-1394	8		RESISTOR 14.7K 1% 0.125W	28480	0699-1394
R385				NOT ASSIGNED		
R386	0699-1330	2		RESISTOR 100K 1% 0.125W	28480	0699-1330
R387	0699-1443	8		RESISTOR 147K 1% 0.125W	28480	0699-1443
R388	0699-1360	8		RESISTOR 0.125TKF 46.4 1 1206	28480	0699-1360
R389	0699-1318	6		RESISTOR 0.12TKF 1K 1	28480	0699-1318
R390-393				NOT ASSIGNED		
R394	0699-1423	4		RESISTOR 215 1% 0.125W	28480	0699-1423
R395	0699-1423	4		RESISTOR 215 1% 0.125W	28480	0699-1423
R396	0699-1423	4		RESISTOR 215 1% 0.125W	28480	0699-1423
R397	0699-1423	4		RESISTOR 215 1% 0.125W	28480	0699-1423
R398	0699-1318	6		RESISTOR 0.12TKF 1K 1	28480	0699-1318
R399				NOT ASSIGNED		
R400	0699-1415	4		RESISTOR 100 1% 0.125W	28480	0699-1415
R401	0699-1362	0		RESISTOR 56.2 1% 0.125W	28480	0699-1362
R402	0699-1362	0		RESISTOR 56.2 1% 0.125W	28480	0699-1362
R403	0699-1362	0		RESISTOR 56.2 1% 0.125W	28480	0699-1362
R404	0699-1416	5	4	RESISTOR 110 1% 0.125W	28480	0699-1416
R405	0699-1408	5	3	RESISTOR 51.1K 1% 0.125W	28480	0699-1408
R406	0699-1387	9	1	RESISTOR 6.81K 1% 0.125W	28480	0699-1387
R407	0699-1363	1	1	RESISTOR 61.9 1% 0.125W TKF TC=0+-100	28480	0699-1363
R408	0699-1431	4		RESISTOR 464 1% 0.125W	28480	0699-1431
R409	0699-1391	5		RESISTOR 10K 1% 0.125W	28480	0699-1391
R410	0699-1391	5		RESISTOR 10K 1% 0.125W	28480	0699-1391
R411	0699-1415	4		RESISTOR 100 1% 0.125W	28480	0699-1415
R412	0699-1408	5		RESISTOR 51.1K 1% 0.125W	28480	0699-1408
R413	0699-1378	8		RESISTOR 2.61K 1% 0.125W	28480	0699-1378
R414	0699-1378	8		RESISTOR 2.61K 1% 0.125W	28480	0699-1378
R415	0699-1378	8		RESISTOR 2.61K 1% 0.125W	28480	0699-1378
R416	0699-1378	8		RESISTOR 2.61K 1% 0.125W	28480	0699-1378
R417	0699-1378	8		RESISTOR 2.61K 1% 0.125W	28480	0699-1378

**Table 1. System Board Replaceable Parts (continued)**

Ref Des.	HP Part Number	CD	Qty	Description	Mfr Code	Mfr Part Number
R418	0699-1384	6		RESISTOR 4.64K 1% 0.125W	28480	0699-1384
R419	0699-1354	0		RESISTOR 26.1 1% 0.125W	28480	0699-1354
R420	0699-1330	2		RESISTOR 100K 1% 0.125W	28480	0699-1330
R421	0699-1433	6		RESISTOR 562 1% 0.125W	28480	0699-1433
R422	0699-1433	6		RESISTOR 562 1% 0.125W	28480	0699-1433
R423	0699-1330	2		RESISTOR 100K 1% 0.125W	28480	0699-1330
R424	0699-1330	2		RESISTOR 100K 1% 0.125W	28480	0699-1330
R425	0699-1360	8		RESISTOR 0.125TKF 46.4 1 1206	28480	0699-1360
R426	0699-1360	8		RESISTOR 0.125TKF 46.4 1 1206	28480	0699-1360
R427	0699-1463	2		RESISTOR 1.5M 5% 0.125W TKF TC=0+-200	28480	0699-1463
R428	0699-1463	2		RESISTOR 1.5M 5% 0.125W TKF TC=0+-200	28480	0699-1463
R429	0699-1362	0		RESISTOR 56.2 1% 0.125W	28480	0699-1362
R430	0699-1330	2		RESISTOR 100K 1% 0.125W	28480	0699-1330
R431	0699-1330	2		RESISTOR 100K 1% 0.125W	28480	0699-1330
R432	0699-1391	5		RESISTOR 10K 1% 0.125W	28480	0699-1391
R433	0699-1391	5		RESISTOR 10K 1% 0.125W	28480	0699-1391
R434	0699-1378	8		RESISTOR 2.61K 1% 0.125W	28480	0699-1378
R435	0699-1415	4		RESISTOR 100 1% 0.125W	28480	0699-1415
R436	0699-1429	0		RESISTOR 383 1% 0.125W	28480	0699-1429
R437	0699-1352	8		RESISTOR 21.5 1% 0.125W	28480	0699-1352
R438	0699-1415	4		RESISTOR 100 1% 0.125W	28480	0699-1415
R439	0699-1378	8		RESISTOR 2.61K 1% 0.125W	28480	0699-1378
R440	0699-1378	8		RESISTOR 2.61K 1% 0.125W	28480	0699-1378
R441	0699-1398	2		RESISTOR 21.5K 1% 0.125W	28480	0699-1398
R442				NOT ASSIGNED		
R443	0699-1503	1		RESISTOR ZERO OHMS	28480	0699-1503
R444	0699-1344	8		RESISTOR 10 1% 0.125W	28480	0699-1344
R445	0699-1376	6	3	RESISTOR 0.12TKF 2.1K 1 1206	28480	0699-1376
R446	0699-1344	8		RESISTOR 10 1% 0.125W	28480	0699-1344
R447	0699-1376	6		RESISTOR 0.12TKF 2.1K 1 1206	28480	0699-1376
R448	0699-1330	2		RESISTOR 100K 1% 0.125W	28480	0699-1330
R449-450				NOT ASSIGNED		
R451	0699-1362	0		RESISTOR 56.2 1% 0.125W	28480	0699-1362
R452	0699-1344	8		RESISTOR 10 1% 0.125W	28480	0699-1344
R453	0699-1344	8		RESISTOR 10 1% 0.125W	28480	0699-1344
R454	0699-1362	0		RESISTOR 56.2 1% 0.125W	28480	0699-1362
R455	0699-1400	7		RESISTOR 26.1K 1% 0.125W	28480	0699-1400
R456	0699-1401	8	2	RESISTOR 28.7K 1% 0.125W TKF TC=0+-100	28480	0699-1401
R457	0699-1395	9		RESISTOR 16.2K 1% 0.125W TKF TC=0+-100	28480	0699-1395
R458	0699-1401	8		RESISTOR 28.7K 1% 0.125W TKF TC=0+-100	28480	0699-1401
R459	0699-1395	9		RESISTOR 16.2K 1% 0.125W TKF TC=0+-100	28480	0699-1395
R460	0699-1452	9		RESISTOR 422K 1% 0.125W TKF TC=0+-100	28480	0699-1452
R461	0699-1333	5	2	RESISTOR 287K 1% 0.125W	28480	0699-1333
R462	0699-1333	5		RESISTOR 287K 1% 0.125W	28480	0699-1333

**Table 1. System Board Replaceable Parts (continued)**

Ref Des.	HP Part Number	CD	Qty	Description	Mfr Code	Mfr Part Number
R463	0699-1452	9		RESISTOR 422K 1% 0.125W TKF TC=0+-100	28480	0699-1452
R464	0699-1429	0		RESISTOR 383 1% 0.125W	28480	0699-1429
R465	0699-1432	5		RESISTOR 511 1% 0.125W	28480	0699-1432
R466	0699-1408	5		RESISTOR 51.1K 1% 0.125W	28480	0699-1408
R467-468				NOT ASSIGNED		
R469	0699-1416	5		RESISTOR 110 1% 0.125W	28480	0699-1416
R470	0699-1416	5		RESISTOR 110 1% 0.125W	28480	0699-1416
R471	0699-1418	7	2	RESISTOR 133 1% 0.125W	28480	0699-1418
R472	0699-1418	7		RESISTOR 133 1% 0.125W	28480	0699-1418
R473	0699-1416	5		RESISTOR 110 1% 0.125W	28480	0699-1416
R474	0699-1362	0		RESISTOR 56.2 1% 0.125W	28480	0699-1362
R475-500				NOT ASSIGNED		
R501	0699-1352	8		RESISTOR 21.5 1% 0.125W	28480	0699-1352
R502	0699-3086	9		RESISTOR 800K 0.1%	28480	0699-3086
R503	0699-2822	9		RESISTOR 200K 0.1% 0.125W	28480	0699-2822
R504	0699-1328	8		RESISTOR 0.12TKF 4.7M 10 1206	28480	0699-1328
R505	0699-2922	0	1	RESISTOR 4.02K 1%	28480	0699-2922
R506	0699-1318	6		RESISTOR 0.12TKF 1K 1	28480	0699-1318
R507	0699-1460	9	1	RESISTOR 825K 1% 0.125W	28480	0699-1460
R508	0699-1332	4	1	RESISTOR 196K 1%	28480	0699-1332
R509				NOT ASSIGNED		
R510	0699-1380	2		RESISTOR 3.16K 1% 0.125W	28480	0699-1380
R511	0699-1362	0		RESISTOR 56.2 1% 0.125W	28480	0699-1362
R512	0699-1384	6		RESISTOR 4.64K 1% 0.125W	28480	0699-1384
R513	0699-1376	6		RESISTOR 0.12TKF 2.1K 1 1206	28480	0699-1376
R514	0699-1415	4		RESISTOR 100 1% 0.125W	28480	0699-1415
R515	0699-1434	7		RESISTOR 619 1% 0.125W	28480	0699-1434
R516	0699-1415	4		RESISTOR 100 1% 0.125W	28480	0699-1415
R517	0699-1371	1		RESISTOR 1.33K 1% 0.125W TKF TC=0+-100	28480	0699-1371
R518	0699-1383	5		RESISTOR 12TKF 4.22K 1 1206	28480	0699-1383
R519	0699-1433	6		RESISTOR 562 1% 0.125W	28480	0699-1433
R520	0699-1415	4		RESISTOR 100 1% 0.125W	28480	0699-1415
R521	0699-1383	5		RESISTOR 12TKF 4.22K 1 1206	28480	0699-1383
R522	0699-1383	5		RESISTOR 12TKF 4.22K 1 1206	28480	0699-1383
R523	0699-1383	5		RESISTOR 12TKF 4.22K 1 1206	28480	0699-1383
R524	0699-1383	5		RESISTOR 12TKF 4.22K 1 1206	28480	0699-1383
R525	0699-1383	5		RESISTOR 12TKF 4.22K 1 1206	28480	0699-1383
R526	0699-1391	5		RESISTOR 10K 1% 0.125W	28480	0699-1391
R527	0699-1422	3	1	RESISTOR 196 1% 0.125W	28480	0699-1422
R528	0699-1434	7		RESISTOR 619 1% 0.125W	28480	0699-1434
R529	0699-1415	4		RESISTOR 100 1% 0.125W	28480	0699-1415
R530	0699-1385	7	2	RESISTOR 5.11K 1% 0.125W	28480	0699-1385
R531	0699-1385	7		RESISTOR 5.11K 1% 0.125W	28480	0699-1385
R532	0699-1415	4		RESISTOR 100 1% 0.125W	28480	0699-1415

**Table 1. System Board Replaceable Parts (continued)**

Ref Des.	HP Part Number	CD	Qty	Description	Mfr Code	Mfr Part Number
R533	0699-1383	5		RESISTOR 12TKF 4.22K 1 1206	28480	0699-1383
R534	0699-1383	5		RESISTOR 12TKF 4.22K 1 1206	28480	0699-1383
RP1				NOT ASSIGNED		
RP2	1810-1065	9	4	NETWORK-RESISTOR 1.0K X 15	28480	1810-1065
RP3	1810-1065	9		NETWORK-RESISTOR 1.0K X 15	28480	1810-1065
RP4-5				NOT ASSIGNED		
RP6	1810-1064	8	1	NETWORK-RESISTOR SMD 10.0K X 15	28480	1810-1064
RP7	1810-1065	9		NETWORK-RESISTOR 1.0K X 15	28480	1810-1065
RP8	1810-1065	9		NETWORK-RESISTOR 1.0K X 15	28480	1810-1065
RP9-12				NOT ASSIGNED		
RP13	1810-1116	1	1	NETWORK-RESISTOR 2.2K X 15	28480	1810-1116
SW1	3101-2719	1	1	SWITCH-SL SPDT SUBMIN 0.02A 20VAC/DC PC	28480	3101-2719
U1	1826-2330	6	3	OP AMP LT1027S8	28480	1826-2330
U2	1820-7067	4	2	PA300 PREAMP	28480	1820-7067
U3	1826-2330	6		OP AMP LT1027S8	28480	1826-2330
U4	1820-7067	4		PA300 PREAMP	28480	1820-7067
U5-6				NOT ASSIGNED		
U7	1826-2201	0	3	IC 79L12A SO-8	28480	1826-2201
U8	1826-1738	6	1	IC V RGLTR-FXD-NEG -4.8/-5.2V 3-P-SOIC	04713	MC79M05CDT
U9	1826-2195	1	1	AD9300 PLCC PACKAGE	28480	1826-2195
U10	1826-1609	0	1	ANALOG SWITCH 4 SPST 16 -P-SOIC	17856	DG211DY
U11	1826-2021	2	1	IC 1881	28480	1826-2021
U12	1826-2203	2	1	IC AD96687P PLCC	28480	1826-2203
U13	1826-1528	2	2	IC COMPARATOR LP QUAD 14-PLSTC-SOIC PKG	27014	LM339M
U14	1826-1528	2		IC COMPARATOR LP QUAD 14-PLSTC-SOIC PKG	27014	LM339M
U15	1858-0135	2	1	TRANSISTOR ARY-16P-DIP	28480	1858-0135
U16	1820-5605	2	1	IC GATE ECL/10KH NOR QUAD 2-INP	04713	MC10H102FN
U17	1826-2202	1	5	IC 78L12A SO-8	28480	1826-2202
U18	1826-2202	1		IC 78L12A SO-8	28480	1826-2202
U19	1826-2202	1		IC 78L12A SO-8	28480	1826-2202
U20	1826-1402	1	1	IC V RGLTR-FXD-POS 4.8/5.2V 8-P-SOIC PKG	04713	MC78L05ACD
U21	1826-2201	0		IC 79L12A SO-8	28480	1826-2201
U22	1826-2201	0		IC 79L12A SO-8	28480	1826-2201
U23	1826-2230	5	4	OP-400GS	28480	1826-2230
U24	1SJ2-0102	1	1	DAC 16-CH	28480	1SJ2-0102
U25	1826-2230	5		OP-400GS	28480	1826-2230
U26	1826-2230	5		OP-400GS	28480	1826-2230
U27	1826-2230	5		OP-400GS	28480	1826-2230
U28	1826-2214	5	1	AD586KR	28480	1826-2214
U29	1826-2330	6		OP AMP LT1027S8	28480	1826-2330
U30	1820-4243	2	2	IC GATE TTL ALS AND QUAD 2-INP	01295	SN74ALS08D
U31	1820-4998	4	1	IC GATE TTL F OR QUAD 2-INP	18324	1820-4998
U32	1820-4258	9	2	IC DCDR TTL ALS 2-TO-4-LINE DUAL	01295	SN74ALS139D



**Table 1. System Board Replaceable Parts (continued)**

Ref Des.	HP Part Number	CD	Qty	Description	Mfr Code	Mfr Part Number
U33	1820-4243	2		IC GATE TTL ALS AND QUAD 2-INP	01295	SN74ALS08D
U34	1820-4258	9		IC DCDR TTL ALS 2-TO-4-LINE DUAL	01295	SN74ALS139D
U35	1820-4377	3	1	IC GATE TTL F NAND QUAD 2-INP	18324	74F00D
U36	1820-5551	7	2	IC DRVR CMOS/74HC LINE OCTL	01295	1820-5551
U37	1820-4267	0	1	IC SHF-RGTR TTL LS MULTI-MODE	01295	SN74LS194AD
U38	1820-5551	7		IC DRVR CMOS/74HC LINE OCTL	01295	1820-5551
U39	1826-1685	2	1	IC V RGLTR-SWG 8-P-SOIC PKG	01295	1826-1685
U40				NOT ASSIGNED		
U41	1820-5107	9	1	IC-16-BIT MPU W/32-BIT DATA 10MHZ PLCC	04713	MC68000FN10
U42	54600-80005	7	1	PROGRAMMED ROM	28480	54600-80005
U43	1826-1810	5	2	IC OP AMP LOW-BIAS-H-IMPD 8-PLSTC-SOIC	01295	TL071D
U44	1826-1783	1	2	IC V RGLTR-FXD-NEG 4.8/5.2V 8-P-SOIC PKG	04713	MC79L05ACD
U45-46				NOT ASSIGNED		
U47	1818-4822	8	1	NONVOLATILE STATIC RAM	28480	1818-4822
U48	1818-4272	2	2	IC CMOS 65536 (64K) STAT RAM 100-NS 3-S1	S0167	MB8464-10LFP
U49	1818-4272	2		IC CMOS 65536 (64K) STAT RAM 100-NS 3-S1	S0167	MB8464-10LFP
U50	1820-4788	0	3	IC DRVR TTL ALS BUS OCTL	01295	1820-4788
U51	1820-4790	4	1	IC TRANSCEIVER TTL ALS BUS OCTL	01295	SN74ALS245ADW
U52	1820-4788	0		IC DRVR TTL ALS BUS OCTL	01295	1820-4788
U53	1820-4788	0		IC DRVR TTL ALS BUS OCTL	01295	1820-4788
U54	1SL7-0001	1	1	ASPEN IC 84 PLCC PACKAGE	28480	1SL7-0001
U55	1818-4218	6	1	IC CMOS 262144 (256K) STAT RAM 100 NS	S4013	HM62256-LFP 10
U56	1820-8208	7	1	IC-FOXY TRANSLATOR	28480	1820-8208
U57				NOT ASSIGNED		
U58	1820-4279	4	5	IC FF TTL ALS D-TYPE POS-EDGE-TRIG CLEAR	01295	SN74ALS574ADW
U59	1820-4279	4		IC FF TTL ALS D-TYPE POS-EDGE-TRIG CLEAR	01295	SN74ALS574ADW
U60	1820-4279	4		IC FF TTL ALS D-TYPE POS-EDGE-TRIG CLEAR	01295	SN74ALS574ADW
U61	1820-5026	1	1	IC INV TTL HEX	01295	SN7406D
U62	1820-5798	4	1	IC 74HC393D	28480	1820-5798
U63	1818-4669	1	1	IC TMS44C251	28480	1818-4669
U64				NOT ASSIGNED		
U65	1813-0119	8	1	CLOCK-OSCILLATOR-XTAL 40-MHZ 0.01% TTL	04713	K1100AM-40MHZ
U66	1SJ9-0001	3	2	TRACK AND HOLD CUSTOM IC	28480	1SJ9-0001
U67	1SJ9-0001	3		TRACK AND HOLD CUSTOM IC	28480	1SJ9-0001
U68	1826-0527	9	1	IC V RGLTR-ADJ-NEG 1.2/37V TO-220 PKG	27014	LM337T
U69				NOT ASSIGNED		
U70	1826-1072	1	3	IC OP AMP GP QUAD 14-PLSTC-SOIC PKG	18324	LM324D
U71	1826-2323	7	1	3 TERM MED CURR VOLT REG	28480	1826-2323
U72	1826-1783	1		IC V RGLTR-FXD-NEG 4.8/5.2V 8-P-SOIC PKG	04713	MC79L05ACD
U73	1826-2322	6	2	MC10319DW A/D CONVERTER	28480	1826-2322
U74	1820-4279	4		IC FF TTL ALS D-TYPE POS-EDGE-TRIG CLEAR	01295	SN74ALS574ADW
U75	1858-0146	2	2	CA3246M	28480	1858-0146
U76	1858-0146	2		CA3246M	28480	1858-0146
U77	1826-2322	6		MC10319DW A/D CONVERTER	28480	1826-2322

**Table 1. System Board Replaceable Parts (continued)**

Ref Des.	HP Part Number	CD	Qty	Description	Mfr Code	Mfr Part Number
U78	1820-4279	4		IC FF TTL ALS D-TYPE POS-EDGE-TRIG CLEAR	01295	SN74ALS574ADW
U79				NOT ASSIGNED		
U80	1826-1072	1		IC OP AMP GP QUAD 14-PLSTC-SOIC PKG	18324	LM324D
U81	1826-2202	1		IC 78L12A SO-8	28480	1826-2202
U82	1826-1072	1		IC OP AMP GP QUAD 14-PLSTC-SOIC PKG	18324	LM324D
U83	1826-1737	5	1	IC V RGLTR-FXD-NEG -11.5/-12.5V 3-DIP-P	04713	MC79M12CDT
U84	1826-2202	1		IC 78L12A SO-8	28480	1826-2202
U85	1826-1893	4	1	IC 556	28480	1826-1893
U86	1820-5607	4	2	IC RCVR ECL/10KH LINE TPL	04713	MC10H116FN
U87-94				NOT ASSIGNED		
U95	1820-5607	4		IC RCVR ECL/10KH LINE TPL	04713	MC10H116FN
U96-500				NOT ASSIGNED		
U501	1826-1810	5		IC OP AMP LOW-BIAS-H-IMPD 8-PLSTC-SOIC	01295	TL071D
XU1-41				NOT ASSIGNED		
XU42	1200-0654	7	1	SOCKET-IC 40-CONT DIP DIP-SLDR	28480	1200-0654
Y1	0410-2229	0	1	HC80 MIN XTAL-80MHZ	28480	0410-2229
Y2	0410-2322	4	1	CRYSTAL-QUARTZ	28480	0410-2322

**Table 2. System Board Component Locator**

Ref Des.	Grid Loc.	Ref Des.	Grid Loc.	Ref Des.	Grid Loc.	Ref Des.	Grid Loc.	Ref Des.	Grid Loc.
C1	E-2	C72	A-7	C130	J-9	C187	F-5	C248	E-3
C2	E-1	C73	A-8	C131	H-9	C188	G-5	C249	D-3
C3	E-1	C74	A-8	C132	E-2	C189	F-4	C250	C-9
C4	E-2	C75	A-9	C134	D-2	C190	F-6	C251	D-10
C5	E-4	C76	E-4	C135	B-5	C192	E-6	C252	D-10
C6	E-3	C77	D-4	C136	B-6	C193	F-7	C253	D-10
C7	C-4	C80	C-9	C137	F-10	C194	C-5	C254	K-9
C8	E-3	C81	B-5	C138	D-10	C195	D-8	C255	C-7
C9	E-2	C84	A-4	C139	G-10	C196	E-6	C256	D-8
C10	E-2	C85	B-4	C140	J-6	C197	B-7	C257	B-8
C11	E-2	C86	A-5	C141	J-6	C198	B-7	C258	B-8
C12	F-4	C87	C-10	C142	L-5	C199	A-7	C260	C-8
C13	E-4	C88	D-10	C143	L-6	C200	B-7	C261	B-7
C14	E-4	C89	C-10	C144	L-7	C201	C-8	C262	C-8
C15	E-4	C90	B-9	C145	K-7	C203	C-7	C263	D-9
C16	E-4	C91	C-10	C146	J-7	C204	B-7	C264	E-9
C17	E-3	C93	B-9	C147	J-7	C205	C-9	C265	E-9
C18	D-2	C94	B-9	C148	H-8	C206	L-5	C266	D-9
C19	C-1	C95	B-10	C149	K-4	C207	E-7	C267	D-9
C20	C-2	C96	B-10	C150	E-8	C208	F-6	C269	D-9
C21	C-2	C97	C-9	C151	H-9	C209	G-6	C270	K-9
C22	C-4	C98	B-10	C152	F-7	C210	E-10	C271	G-5
C23	D-4	C99	A-10	C153	C-5	C211	D-10	C272	F-6
C24	F-4	C100	B-10	C154	C-5	C212	D-8	C273	D-5
C25	C-3	C101	B-10	C155	D-5	C213	D-7	C274	D-5
C26	D-3	C102	B-9	C156	D-5	C214	D-8	C275	D-5
C27	D-2	C103	B-5	C157	G-4	C220	E-7	C276	F-5
C28	D-2	C104	C-10	C158	C-6	C221	E-8	C277	F-5
C29	D-2	C105	C-10	C159	E-5	C222	F-9	C278	F-5
C30	D-4	C106	C-9	C160	E-5	C223	E-8	C279	C-8
C31	D-4	C107	C-10	C161	F-5	C224	F-8	C280	E-5
C32	D-4	C108	C-10	C162	F-5	C225	G-8	C281	E-5
C33	D-4	C109	D-10	C163	C-6	C226	G-8	C282	K-8
C34	C-3	C110	B-9	C164	E-6	C227	F-9	C283	G-6
C37	K-9	C111	E-3	C165	E-6	C228	C-9	C284	G-6
C45	K-9	C112	D-3	C166	F-6	C229	G-10	C285	K-8
C52	A-5	C113	K-9	C167	C-6	C230	D-6	C286	C-7
C54	A-4	C114	K-10	C168	D-6	C231	F-5	C287	G-6
C55	C-4	C115	H-5	C169	C-6	C232	G-10	C288	G-6
C56	C-5	C116	H-5	C171	D-6	C233	D-8	C289	C-7
C57	C-4	C117	H-5	C172	C-7	C234	J-8	C290	B-7
C58	C-5	C118	H-6	C173	F-6	C235	E-3	C291	E-5
C59	C-6	C119	G-6	C174	E-8	C236	D-3	C292	G-6
C60	B-6	C120	J-6	C175	C-6	C238	J-7	C293	F-5
C61	C-6	C121	J-9	C176	D-6	C239	B-6	C294	F-5
C62	C-6	C122	J-5	C177	D-7	C240	E-5	C295	E-7
C63	B-6	C123	J-5	C179	C-6	C241	D-5	C296	F-6
C64	B-5	C124	L-4	C181	C-7	C242	F-5	C297	J-6
C65	A-5	C125	J-7	C182	E-6	C243	E-5	C298	G-5
C66	B-5	C126	L-9	C183	E-6	C244	A-8	C299	B-7
C69	B-5	C127	L-8	C184	C-7	C245	A-8	C300	C-7
C70	C-5	C128	K-8	C185	G-5	C246	B-4	C303	D-6
C71	B-6	C129	J-8	C186	B-7	C247	C-7	C304	F-6

**Table 2 System Board Component Locator (continued)**

Ref Des.	Grid Loc.	Ref Des.	Grid Loc.	Ref Des.	Grid Loc.	Ref Des.	Grid Loc.	Ref Des.	Grid Loc.
C305	H-8	CR6	D-3	E32	G-8	Q39	E-8	R23	E-2
C306	G-8	CR7	D-2	E33	G-9	Q42	C-9	R24	E-2
C307	H-7	CR8	D-3	E34	E-7	Q43	C-8	R25	E-3
C308	G-8	CR25	A-10	E35	E-8	Q44	C-8	R26	C-4
C309	E-9	CR26	L-5	E36	E-9	Q45	C-8	R27	E-3
C310	F-8	CR27	D-6	E37	E-9	Q46	C-8	R28	E-3
C311	E-8	CR28	D-6	E38	F-7	Q47	C-9	R29	E-2
C321	F-8	CR29	E-6	E501	A-1	Q48	C-8	R30	E-4
C313	E-7	CR30	L-9	E502	A-3	Q49	C-8	R31	E-4
C314	A-6	CR31	F-6	E503	A-3	Q50	C-8	R32	F-4
C317	E-9	CR32	D-8	J5	E-10	Q51	C-8	R33	B-4
C318	E-9	CR33	B-8	J6	L-10	Q52	C-8	R34	E-4
C319	E-9	CR34	K-4	J7	J-10	Q53	C-8	R35	E-4
C320	E-10	CR35	B-10	J8	L-4	Q54	C-9	R36	E-4
C321	E-9	CR36	C-8	J9	C-10	Q55	C-8	R37	E-4
C322	F-9	CR37	D-7	K1	E-1	Q56	B-8	E38	E-4
C323	F-9	CR38	E-2	K2	E-3	Q57	B-8	R39	E-4
C324	F-9	CR39	D-2	K3	D-1	Q58	B-8	R40	C-2
C325	G-8	CR40	C-8	K4	C-3	Q59	B-8	R41	C-1
C326	G-8	CR41	D-9	L1	A-9	Q60	B-8	R42	C-1
C327	G-8	CR42	E-6	L2	B-9	Q61	D-8	R43	D-1
C328	F-8	CR501	A-1	L3	E-10	Q62	B-8	R44	C-3
C329	E-8	CR502	A-1	L4	F-10	Q64	C-9	R45	C-2
C330	E-8	CR503	A-3	L5	G-10	Q65	C-9	R46	C-4
C331	E-8	CR504	A-2	L6	D-9	Q66	C-9	R47	C-5
C332	H-8	CR509	B-3	L7	D-9	Q501	A-2	R48	D-3
C333	G-8	E1	E-4	Q1	E-2	Q502	A-2	R49	C-4
C334	H-7	E2	E-4	Q2	E-2	Q503	A-3	R50	D-3
C501	B-1	E3	D-4	Q3	E-2	Q504	B-2	R51	C-4
C502	A-2	E4	D-4	Q4	E-3	Q505	B-3	R52	C-4
C503	B-1	E5	J-7	Q5	E-3	Q506	B-3	R53	D-3
C504	A-1	E6	C-6	Q6	E-4	R1	E-2	R54	D-3
C505	A-2	E7	B-6	Q7	E-5	R2	E-1	R55	D-3
C506	A-2	E8	B-6	Q8	D-2	R3	E-1	R56	D-1
C507	A-3	E9	F-4	Q9	D-2	R4	E-1	R57	D-2
C508	A-2	E10	F-4	Q10	D-3	R5	E-1	R58	E-6
C509	A-1	E11	C-4	Q11	D-3	R6	E-2	R59	D-2
C510	A-2	E12	C-4	Q12	D-2	R7	F-6	R60	E-1
C511	B-2	E17	B-7	Q13	D-4	R8	D-3	R61	C-2
C512	B-3	E18	C-8	Q14	D-5	R9	E-2	R62	D-2
C513	A-2	E19	C-8	Q25	B-6	R10	D-4	R63	D-2
C514	B-1	E20	D-8	Q26	C-6	R11	E-4	R64	D-3
C515	A-1	E21	E-8	Q27	C-6	R12	E-3	R65	D-1
C516	A-3	E22	D-9	Q28	B-7	R13	E-3	R66	D-2
C600	F-7	E23	C-5	Q29	B-7	R14	E-4	R67	D-3
C601	D-6	E24	D-5	Q30	B-5	R15	E-4	R68	D-3
C602	F-6	E25	F-5	Q31	A-10	R16	E-3	R69	D-3
C603	C-4	E26	E-5	Q32	F-5	R17	E-3	R70	C-4
CR1	E-3	E27	C-7	Q33	D-5	R18	E-3	R71	D-5
CR2	E-2	E28	E-7	Q34	F-6	R19	E-2	R72	B-4
CR3	E-3	E29	E-6	Q35	G-5	R20	D-4	R73	D-4
CR4	E-3	E30	C-6	Q36	F-6	R21	E-2	R74	D-4
CR5	C-3	E31	H-7	Q38	E-8	R22	E-2	R75	D-4

**Table 2 System Board Component Locator (continued)**

Ref Des.	Grid Loc.	Ref Des.	Grid Loc.	Ref Des.	Grid Loc.	Ref Des.	Grid Loc.	Ref Des.	Grid Loc.
R76	D-4	R194	C-6	R250	E-8	R307	E-5	R359	C-8
R77	D-4	R195	B-5	R251	E-8	R308	C-5	R360	B-8
R78	D-5	R196	B-5	R252	K-9	R309	F-5	R361	B-8
R90	D-6	R197	B-5	R253	K-9	R310	G-6	R362	B-8
R122	C-6	R198	A-5	R254	L-4	R311	C-6	R363	B-7
R142	B-4	R201	B-5	R255	A-6	R312	E-6	R364	B-8
R144	A-4	R202	B-4	R256	L-4	R313	E-6	R365	B-8
R145	D-5	R203	A-5	R257	L-5	R314	D-5	R366	B-8
R146	E-5	R204	D-10	R258	L-5	R315	F-6	R367	B-8
R147	C-5	R205	D-10	R259	L-4	R316	B-7	R368	E-8
R148	B-5	R206	D-10	R260	E-6	R317	E-6	R369	E-8
R149	B-5	R207	D-10	R261	F-6	R318	B-7	R370	B-8
R150	C-5	R208	A-9	R262	E-6	R319	G-6	R371	B-8
R151	C-6	R210	A-9	R263	C-7	R320	D-6	R372	B-8
R152	C-6	R211	B-9	R265	G-4	R321	D-8	R373	B-8
R153	C-5	R212	B-9	R266	G-4	R322	E-5	R374	B-7
R154	C-7	R213	B-9	R268	D-6	R323	G-6	R375	B-7
R155	C-7	R214	B-9	R269	D-6	R324	E-6	R376	B-8
R156	C-6	R215	C-10	R270	E-5	R325	D-5	R377	B-8
R157	C-9	R216	C-10	R272	C-6	R326	C-9	R378	C-9
R158	C-6	R217	D-6	R273	F-6	R327	G-6	R379	B-4
R159	B-5	R218	D-6	R274	E-6	R328	E-5	R380	E-6
R160	C-6	R219	A-10	R275	F-6	R329	D-6	R381	E-6
R161	B-6	R220	B-10	R276	G-6	R330	B-7	R382	D-8
R162	B-6	R221	A-10	R277	E-6	R331	B-7	R383	D-8
R163	B-6	R222	A-10	R278	K-7	R332	B-7	R384	D-7
R164	B-5	R223	A-9	R279	D-6	R333	B-7	R386	D-8
R165	A-5	R224	A-9	R280	F-5	R334	B-7	R387	C-9
R166	A-5	R226	A-9	R281	J-6	R335	D-9	R388	B-7
R167	A-6	R227	B-9	R282	F-6	R336	E-6	R389	B-8
R168	A-6	R228	B-9	R283	F-6	R337	G-9	R394	F-7
R169	A-5	R229	A-10	R285	F-5	R338	J-6	R395	E-7
R170	A-6	R230	B-10	R286	C-7	R339	B-6	R396	E-7
R171	A-6	R231	A-9	R287	G-5	R340	A-7	R397	E-7
R172	A-6	R232	C-10	R288	G-6	R341	B-7	R398	E-7
R173	A-5	R233	D-10	R289	F-5	R342	A-7	R400	J-8
R174	A-5	R234	C-10	R290	F-4	R343	A-7	R401	J-6
R175	B-6	R235	C-10	R291	G-4	R344	B-7	R402	J-6
R176	A-6	R236	C-10	R292	F-5	R345	B-7	R403	J-8
R177	A-7	R238	D-10	R293	C-7	R346	C-7	R404	E-9
R178	A-5	R239	C-10	R294	E-5	R347	C-8	R405	E-9
R179	C-4	R240	C-9	R295	D-6	R348	C-9	R406	E-9
R181	E-4	R241	A-10	R296	F-6	R349	C-8	R407	D-8
R182	D-4	R242	C-10	R297	F-6	R350	C-8	R408	F-5
R183	A-7	R243	C-9	R298	F-5	R351	C-8	R409	G-8
R186	B-5	R244	A-10	R299	D-6	R352	C-8	R410	B-7
R187	E-2	R245	E-3	R300	G-5	R353	C-8	R411	B-6
R188	D-2	R246	D-3	R301	L-5	R355	C-8	R412	B-6
R191	E-5	R247	K-8	R302	E-5	R356	D-8	R413	C-7
R192	D-5	R248	B-6	R305	D-6	R357	C-9	R414	C-7
R193	C-7	R249	E-8	R306	G-6	R358	C-8	R415	B-6

**Table 2 System Board Component Locator (continued)**

Ref Des.	Grid Loc.	Ref Des.	Grid Loc.	Ref Des.	Grid Loc.	Ref Des.	Grid Loc.
R416	B-6	R474	B-8	U12	C-6	U71	G-5
R417	B-6	R501	B-1	U13	A-6	U72	F-5
R418	B-6	R502	A-1	U14	A-5	U73	F-6
R419	C-8	R503	A-1	U15	B-5	U74	F-7
R420	E-5	R504	A-2	U16	B-6	U75	D-6
R421	B-4	R505	A-2	U17	A-6	U76	F-6
R422	B-4	R506	A-2	U18	A-6	U77	D-7
R423	D-9	R507	A-2	U19	A-7	U78	D-7
R424	D-9	R508	A-2	U20	A-7	U80	C-7
R425	E-4	R510	A-3	U21	A-8	U81	F-4
R426	D-4	R511	A-2	U22	A-8	U82	B-7
R427	E-2	R512	B-1	U23	A-4	U83	C-9
R428	D-2	R513	B-1	U24	D-10	U84	G-9
R429	B-5	R514	B-2	U25	A-10	U85	D-8
R430	D-9	R515	B-2	U26	B-9	U86	D-8
R431	D-10	R516	A-2	U27	B-9	U95	E-7
R432	K-7	R517	B-3	U28	B-10	U501	A-2
R433	K-7	R518	A-2	U29	C-9	XU42	K-6
R434	B-8	R519	A-3	U30	H-9	Y1	D-9
R435	B-8	R520	B-2	U31	J-8	Y2	D-7
R436	D-9	R521	A-3	U32	J-5		
R437	D-9	R522	A-3	U33	L-9		
R438	D-9	R523	A-2	U34	H-6		
R439	D-8	R524	B-2	U35	H-9		
R440	D-9	R525	B-2	U36	K-8		
R441	D-9	R526	A-2	U37	H-9		
R443	K-9	R527	A-3	U38	K-8		
R444	D-8	R528	A-3	U39	K-9		
R445	E-9	R529	A-3	U41	K-7		
R446	E-8	R530	A-3	U42	K-6		
R447	E-8	R531	A-3	U43	C-5		
R448	H-10	R532	B-3	U44	E-9		
R451	B-8	R533	A-3	U47	J-4		
R452	D-8	R534	A-3	U48	L-5		
R453	C-7	R601	C-7	U49	K-5		
R454	C-8	R603	A-7	U50	K-4		
R455	G-6	R604	E-9	U51	G-6		
R456	F-6	RP2	A-7	U52	J-9		
R457	G-6	RP3	A-8	U53	J-8		
R458	F-6	RP6	L-10	U54	F-8		
R459	G-6	RP7	G-5	U55	G-7		
R460	C-7	RP8	G-4	U56	H-8		
R461	C-7	RP13	J-6	U58	H-6		
R462	B-7	SW1	E-10	U59	G-5		
R463	B-7	U1	E-4	U60	G-5		
R464	C-9	U2	E-3	U61	H-5		
R465	C-9	U3	C-4	U62	J-6		
R466	D-8	U4	D-3	U63	G-9		
R469	E-9	U7	A-8	U65	J-7		
R470	E-9	U8	A-9	U66	D-5		
R471	E-8	U9	C-4	U67	E-5		
R472	E-8	U10	B-5	U68	G-4		
R473	E-9	U11	A-5	U70	G-6		