

# **Component-Level Information Packet for 08712-60002**

## **CPU**



HP Part No. 08712-90034  
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**HP Part Number 08712-60002**  
**CPU**

Reference Designator	HP Part Number	Qty	Description	Mfr Code	Mfr Part Number
BT1	1420-0338	1	BATTERY 3V 1.2A-HR LITHIUM POLYCARBON	28480	1420-0338
C1	0160-4084	1	CAP-FXD 0.1uF +20% 50 V CER X7R	28480	0160-4084
C2	0180-3813	1	CAP-FXD 10uF +-10% 10 V TA	28480	0180-3813
C3	0160-4084	1	CAP-FXD 0.1uF +20% 50 V CER X7R	28480	0160-4084
C4	0160-4084	1	CAP-FXD 0.1uF +20% 50 V CER X7R	28480	0160-4084
C5	0160-4084	1	CAP-FXD 0.1uF +20% 50 V CER X7R	28480	0160-4084
C6	0180-3813	1	CAP-FXD 10uF +-10% 10 V TA	28480	0180-3813
C7	0160-4084	1	CAP-FXD 0.1uF +20% 50 V CER X7R	28480	0160-4084
C8	0160-4084	1	CAP-FXD 0.1uF +20% 50 V CER X7R	28480	0160-4084
C9	0180-3813	1	CAP-FXD 10uF +-10% 10 V TA	28480	0180-3813
C10	0160-4084	1	CAP-FXD 0.1uF +20% 50 V CER X7R	28480	0160-4084
C11	0160-4084	1	CAP-FXD 0.1uF +20% 50 V CER X7R	28480	0160-4084
C12	0180-3813	1	CAP-FXD 10uF +-10% 10 V TA	28480	0180-3813
C14	0160-4084	1	CAP-FXD 0.1uF +20% 50 V CER X7R	28480	0160-4084
C15	0180-3941	1	CAP-FXD 100uF +-10% 10 V TA	28480	0180-3941
C16	0160-4084	1	CAP-FXD 0.1uF +20% 50 V CER X7R	28480	0160-4084
C17	0160-3879	1	CAP-FXD 0.01uF +-20% 100 V CER X7R	28480	0160-3879
C18	0160-3879	1	CAP-FXD 0.01uF +-20% 100 V CER X7R	28480	0160-3879
C19	0160-3879	1	CAP-FXD 0.01uF +-20% 100 V CER X7R	28480	0160-3879
C20	0160-3879	1	CAP-FXD 0.01uF +-20% 100 V CER X7R	28480	0160-3879
C21	0160-3879	1	CAP-FXD 0.01uF +-20% 100 V CER X7R	28480	0160-3879
C22	0160-3879	1	CAP-FXD 0.01uF +-20% 100 V CER X7R	28480	0160-3879
C23	0160-3879	1	CAP-FXD 0.01uF +-20% 100 V CER X7R	28480	0160-3879
C24	0160-4084	1	CAP-FXD 0.1uF +20% 50 V CER X7R	28480	0160-4084
C25	0160-4084	1	CAP-FXD 0.1uF +20% 50 V CER X7R	28480	0160-4084
C26	0160-4084	1	CAP-FXD 0.1uF +20% 50 V CER X7R	28480	0160-4084
C27	0160-4835	1	CAP-FXD 0.1uF +10% 50 V CER X7R	28480	0160-4835
C28	0160-4084	1	CAP-FXD 0.1uF +20% 50 V CER X7R	28480	0160-4084
C29	0160-4835	1	CAP-FXD 0.1uF +10% 50 V CER X7R	28480	0160-4835
C30	0160-4084	1	CAP-FXD 0.1uF +20% 50 V CER X7R	28480	0160-4084
C31	0160-4084	1	CAP-FXD 0.1uF +20% 50 V CER X7R	28480	0160-4084
C32	0160-4084	1	CAP-FXD 0.1uF +20% 50 V CER X7R	28480	0160-4084
C33	0160-4835	1	CAP-FXD 0.1uF +10% 50 V CER X7R	28480	0160-4835
C34	0160-4835	1	CAP-FXD 0.1uF +10% 50 V CER X7R	28480	0160-4835
C35	0160-4835	1	CAP-FXD 0.1uF +10% 50 V CER X7R	28480	0160-4835

*\*Indicates factory-selected value*

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**CPU (continued)**

Reference Designator	HP Part Number	Qty	Description	Mfr Code	Mfr Part Number
C36	0160-4835	1	CAP-FXD 0.1uF +-10% 50 V CER X7R	28480	0160-4835
C37	0160-4084	1	CAP-FXD 0.1uF +-20% 50 V CER X7R	28480	0160-4084
C38	0160-4835	1	CAP-FXD 0.1uF +-10% 50 V CER X7R	28480	0160-4835
C39	0160-4084	1	CAP-FXD 0.1uF +-20% 50 V CER X7R	28480	0160-4084
C40	0160-4835	1	CAP-FXD 0.1uF +-10% 50 V CER X7R	28480	0160-4835
C41	0160-4084	1	CAP-FXD 0.1uF +-20% 50 V CER X7R	28480	0160-4084
C42	0160-4084	1	CAP-FXD 0.1uF +-20% 50 V CER X7R	28480	0160-4084
C43	0160-4084	1	CAP-FXD 0.1uF +-20% 50 V CER X7R	28480	0160-4084
C44	0160-4084	1	CAP-FXD 0.1uF +-20% 50 V CER X7R	28480	0160-4084
C45	0180-3771	1	CAP-FXD 1uF +-10% 35 V TA	28480	0180-3771
C46	0160-4835	1	CAP-FXD 0.1uF +-10% 50 V CER X7R	28480	0160-4835
C47	0160-4084	1	CAP-FXD 0.1uF +-20% 50 V CER X7R	28480	0160-4084
C48	0160-4084	1	CAP-FXD 0.1uF +-20% 50 V CER X7R	28480	0160-4084
C49	0160-4084	1	CAP-FXD 0.1uF +-20% 50 V CER X7R	28480	0160-4084
C50	0160-4084	1	CAP-FXD 0.1uF +-20% 50 V CER X7R	28480	0160-4084
C51	0160-4084	1	CAP-FXD 0.1uF +-20% 50 V CER X7R	28480	0160-4084
C52	0160-4084	1	CAP-FXD 0.1uF +-20% 50 V CER X7R	28480	0160-4084
C53	0160-4084	1	CAP-FXD 0.1uF +-20% 50 V CER X7R	28480	0160-4084
C54	0160-4835	1	CAP-FXD 0.1uF +-10% 50 V CER X7R	28480	0160-4835
C55	0160-4084	1	CAP-FXD 0.1uF +-20% 50 V CER X7R	28480	0160-4084
C56	0160-4084	1	CAP-FXD 0.1uF +-20% 50 V CER X7R	28480	0160-4084
C57	0160-4084	1	CAP-FXD 0.1uF +-20% 50 V CER X7R	28480	0160-4084
C58	0160-4084	1	CAP-FXD 0.1uF +-20% 50 V CER X7R	28480	0160-4084
C59	0160-4084	1	CAP-FXD 0.1uF +-20% 50 V CER X7R	28480	0160-4084
C60	0160-4084	1	CAP-FXD 0.1uF +-20% 50 V CER X7R	28480	0160-4084
C62	0160-4084	1	CAP-FXD 0.1uF +-20% 50 V CER X7R	28480	0160-4084
C64	0180-3771	1	CAP-FXD 1uF +-10% 35 V TA	28480	0180-3771
C65	0160-4084	1	CAP-FXD 0.1uF +-20% 50 V CER X7R	28480	0160-4084
C66	0160-3874	1	CAP-FXD 10pF +-5% 200 V CER C0G	28480	0160-3874
C67	0160-3875	1	CAP-FXD 22pF +-5% 200 V CER C0G	28480	0160-3875
C68	0160-3878	1	CAP-FXD 1000pF +-20% 100 V CER X7R	28480	0160-3878
C69	0160-4953	1	CAP-FXD 0.027uF +-5% 50 V CER C0G	28480	0160-4953
C70	0160-4953	1	CAP-FXD 0.027uF +-5% 50 V CER C0G	28480	0160-4953
C71	0160-4084	1	CAP-FXD 0.1uF +-20% 50 V CER X7R	28480	0160-4084
C72	0160-4835	1	CAP-FXD 0.1uF +-10% 50 V CER X7R	28480	0160-4835

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Reference Designator	HP Part Number	Qty	Description	Mfr Code	Mfr Part Number
C73	0160-3879	1	CAP-FXD 0.01uF +-20% 100 V CER X7R	28480	0160-3879
C74	0160-4832	1	CAP-FXD 0.01uF +-10% 100 V CER X7R	28480	0160-4832
C76	0160-4084	1	CAP-FXD 0.1uF +-20% 50 V CER X7R	28480	0160-4084
C77	0160-4084	1	CAP-FXD 0.1uF +-20% 50 V CER X7R	28480	0160-4084
C78	0160-4084	1	CAP-FXD 0.1uF +-20% 50 V CER X7R	28480	0160-4084
C79	0160-4835	1	CAP-FXD 0.1uF +-10% 50 V CER X7R	28480	0160-4835
C80	0160-4084	1	CAP-FXD 0.1uF +-20% 50 V CER X7R	28480	0160-4084
C81	0160-4084	1	CAP-FXD 0.1uF +-20% 50 V CER X7R	28480	0160-4084
C82	0160-3879	1	CAP-FXD 0.01uF +-20% 100 V CER X7R	28480	0160-3879
C83	0160-4084	1	CAP-FXD 0.1uF +-20% 50 V CER X7R	28480	0160-4084
C84	0160-4084	1	CAP-FXD 0.1uF +-20% 50 V CER X7R	28480	0160-4084
C85	0160-4084	1	CAP-FXD 0.1uF +-20% 50 V CER X7R	28480	0160-4084
C86	0160-4084	1	CAP-FXD 0.1uF +-20% 50 V CER X7R	28480	0160-4084
C87	0160-4084	1	CAP-FXD 0.1uF +-20% 50 V CER X7R	28480	0160-4084
C88	0160-4084	1	CAP-FXD 0.1uF +-20% 50 V CER X7R	28480	0160-4084
C89	0160-4084	1	CAP-FXD 0.1uF +-20% 50 V CER X7R	28480	0160-4084
C90	0160-4084	1	CAP-FXD 0.1uF +-20% 50 V CER X7R	28480	0160-4084
C91	0160-4084	1	CAP-FXD 0.1uF +-20% 50 V CER X7R	28480	0160-4084
C92	0160-4084	1	CAP-FXD 0.1uF +-20% 50 V CER X7R	28480	0160-4084
C93	0160-4084	1	CAP-FXD 0.1uF +-20% 50 V CER X7R	28480	0160-4084
C94	0160-4084	1	CAP-FXD 0.1uF +-20% 50 V CER X7R	28480	0160-4084
C95	0160-4835	1	CAP-FXD 0.1uF +-10% 50 V CER X7R	28480	0160-4835
C96	0160-4084	1	CAP-FXD 0.1uF +-20% 50 V CER X7R	28480	0160-4084
C97	0160-4084	1	CAP-FXD 0.1uF +-20% 50 V CER X7R	28480	0160-4084
C98	0160-4084	1	CAP-FXD 0.1uF +-20% 50 V CER X7R	28480	0160-4084
C99	0160-4084	1	CAP-FXD 0.1uF +-20% 50 V CER X7R	28480	0160-4084
C100	0160-4084	1	CAP-FXD 0.1uF +-20% 50 V CER X7R	28480	0160-4084
C101	0160-4084	1	CAP-FXD 0.1uF +-20% 50 V CER X7R	28480	0160-4084
C102	0160-4084	1	CAP-FXD 0.1uF +-20% 50 V CER X7R	28480	0160-4084
C103	0160-4084	1	CAP-FXD 0.1uF +-20% 50 V CER X7R	28480	0160-4084
C104	0160-4084	1	CAP-FXD 0.1uF +-20% 50 V CER X7R	28480	0160-4084
C105	0160-4084	1	CAP-FXD 0.1uF +-20% 50 V CER X7R	28480	0160-4084
C106	0160-4084	1	CAP-FXD 0.1uF +-20% 50 V CER X7R	28480	0160-4084
C107	0160-4084	1	CAP-FXD 0.1uF +-20% 50 V CER X7R	28480	0160-4084
C108	0160-4084	1	CAP-FXD 0.1uF +-20% 50 V CER X7R	28480	0160-4084

*\*Indicates factory-selected value*

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**CPU (continued)**

Reference Designator	HP Part Number	Qty	Description	Mfr Code	Mfr Part Number
C109	0160-4084	1	CAP-FXD 0.1uF +-20% 50 V CER X7R	28480	0160-4084
C110	0160-4084	1	CAP-FXD 0.1uF +-20% 50 V CER X7R	28480	0160-4084
C111	0160-4835	1	CAP-FXD 0.1uF +-10% 50 V CER X7R	28480	0160-4835
C112	0160-4835	1	CAP-FXD 0.1uF +-10% 50 V CER X7R	28480	0160-4835
C113	0160-4835	1	CAP-FXD 0.1uF +-10% 50 V CER X7R	28480	0160-4835
C114	0160-4084	1	CAP-FXD 0.1uF +-20% 50 V CER X7R	28480	0160-4084
C115	0160-4084	1	CAP-FXD 0.1uF +-20% 50 V CER X7R	28480	0160-4084
C116	0160-4084	1	CAP-FXD 0.1uF +-20% 50 V CER X7R	28480	0160-4084
C117	0160-4084	1	CAP-FXD 0.1uF +-20% 50 V CER X7R	28480	0160-4084
C118	0160-4084	1	CAP-FXD 0.1uF +-20% 50 V CER X7R	28480	0160-4084
C119	0160-4084	1	CAP-FXD 0.1uF +-20% 50 V CER X7R	28480	0160-4084
C120	0160-4084	1	CAP-FXD 0.1uF +-20% 50 V CER X7R	28480	0160-4084
C122	0160-4084	1	CAP-FXD 0.1uF +-20% 50 V CER X7R	28480	0160-4084
C123	0160-4084	1	CAP-FXD 0.1uF +-20% 50 V CER X7R	28480	0160-4084
C124	0160-4084	1	CAP-FXD 0.1uF +-20% 50 V CER X7R	28480	0160-4084
C125	0160-4084	1	CAP-FXD 0.1uF +-20% 50 V CER X7R	28480	0160-4084
C126	0160-4084	1	CAP-FXD 0.1uF +-20% 50 V CER X7R	28480	0160-4084
C127	0160-4835	1	CAP-FXD 0.1uF +-10% 50 V CER X7R	28480	0160-4835
C128	0160-4084	1	CAP-FXD 0.1uF +-20% 50 V CER X7R	28480	0160-4084
C129	0160-4084	1	CAP-FXD 0.1uF +-20% 50 V CER X7R	28480	0160-4084
C130	0160-4084	1	CAP-FXD 0.1uF +-20% 50 V CER X7R	28480	0160-4084
C131	0160-4084	1	CAP-FXD 0.1uF +-20% 50 V CER X7R	28480	0160-4084
C132	0160-4084	1	CAP-FXD 0.1uF +-20% 50 V CER X7R	28480	0160-4084
C133	0160-4084	1	CAP-FXD 0.1uF +-20% 50 V CER X7R	28480	0160-4084
C134	0160-4084	1	CAP-FXD 0.1uF +-20% 50 V CER X7R	28480	0160-4084
C135	0160-4835	1	CAP-FXD 0.1uF +-10% 50 V CER X7R	28480	0160-4835
C136	0160-4835	1	CAP-FXD 0.1uF +-10% 50 V CER X7R	28480	0160-4835
C137	0160-4084	1	CAP-FXD 0.1uF +-20% 50 V CER X7R	28480	0160-4084
C138	0160-4084	1	CAP-FXD 0.1uF +-20% 50 V CER X7R	28480	0160-4084
C139	0160-4084	1	CAP-FXD 0.1uF +-20% 50 V CER X7R	28480	0160-4084
C140	0180-3813	1	CAP-FXD 10uF +-10% 10 V TA	28480	0180-3813
C141	0180-3813	1	CAP-FXD 10uF +-10% 10 V TA	28480	0180-3813
C142	0180-3813	1	CAP-FXD 10uF +-10% 10 V TA	28480	0180-3813
C143	0180-3813	1	CAP-FXD 10uF +-10% 10 V TA	28480	0180-3813
C144	0180-3813	1	CAP-FXD 10uF +-10% 10 V TA	28480	0180-3813

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**CPU (continued)**

Reference Designator	HP Part Number	Qty	Description	Mfr Code	Mfr Part Number
C145	0180-3813	1	CAP-FXD 10uF +-10% 10 V TA	28480	0180-3813
C146	0160-4084	1	CAP-FXD 0.1uF +-20% 50 V CER X7R	28480	0160-4084
C147	0160-4835	1	CAP-FXD 0.1uF +-10% 50 V CER X7R	28480	0160-4835
C148	0160-3879	1	CAP-FXD 0.01uF +-20% 100 V CER X7R	28480	0160-3879
C150	0160-4814	1	CAP-FXD 150pF +-5% 100 V CER C0G	28480	0160-4814
C151	0160-4084	1	CAP-FXD 0.1uF +-20% 50 V CER X7R	28480	0160-4084
C152	0160-4084	1	CAP-FXD 0.1uF +-20% 50 V CER X7R	28480	0160-4084
C153	0160-4084	1	CAP-FXD 0.1uF +-20% 50 V CER X7R	28480	0160-4084
C154	0160-4084	1	CAP-FXD 0.1uF +-20% 50 V CER X7R	28480	0160-4084
C155	0180-3771	1	CAP-FXD 1uF +-10% 35 V TA	28480	0180-3771
C156	0160-0572	1	CAP-FXD 2200pF +-20% 100 V CER X7R	28480	0160-0572
C157	0160-0572	1	CAP-FXD 2200pF +-20% 100 V CER X7R	28480	0160-0572
C158	0160-0572	1	CAP-FXD 2200pF +-20% 100 V CER X7R	28480	0160-0572
C159	0160-0572	1	CAP-FXD 2200pF +-20% 100 V CER X7R	28480	0160-0572
C160	0160-0572	1	CAP-FXD 2200pF +-20% 100 V CER X7R	28480	0160-0572
C161	0160-0572	1	CAP-FXD 2200pF +-20% 100 V CER X7R	28480	0160-0572
C162	0160-0572	1	CAP-FXD 2200pF +-20% 100 V CER X7R	28480	0160-0572
C163	0160-0572	1	CAP-FXD 2200pF +-20% 100 V CER X7R	28480	0160-0572
C164	0160-0572	1	CAP-FXD 2200pF +-20% 100 V CER X7R	28480	0160-0572
C165	0180-3771	1	CAP-FXD 1uF +-10% 35 V TA	28480	0180-3771
C166	0160-4084	1	CAP-FXD 0.1uF +-20% 50 V CER X7R	28480	0160-4084
C167	0180-3813	1	CAP-FXD 10uF +-10% 10 V TA	28480	0180-3813
C168	0160-4084	1	CAP-FXD 0.1uF +-20% 50 V CER X7R	28480	0160-4084
C169	0160-3879	1	CAP-FXD 0.01uF +-20% 100 V CER X7R	28480	0160-3879
C170	0160-4084	1	CAP-FXD 0.1uF +-20% 50 V CER X7R	28480	0160-4084
C171	0160-3879	1	CAP-FXD 0.01uF +-20% 100 V CER X7R	28480	0160-3879
C172	0160-3879	1	CAP-FXD 0.01uF +-20% 100 V CER X7R	28480	0160-3879
C173	0180-3813	1	CAP-FXD 10uF +-10% 10 V TA	28480	0180-3813
C174	0180-3813	1	CAP-FXD 10uF +-10% 10 V TA	28480	0180-3813
C175	0180-3813	1	CAP-FXD 10uF +-10% 10 V TA	28480	0180-3813
C176	0180-3813	1	CAP-FXD 10uF +-10% 10 V TA	28480	0180-3813
C177	0180-3813	1	CAP-FXD 10uF +-10% 10 V TA	28480	0180-3813
C180	0160-4953	1	CAP-FXD 0.027uF +-5% 50 V CER C0G	28480	0160-4953
C181	0160-4835	1	CAP-FXD 0.1uF +-10% 50 V CER X7R	28480	0160-4835
C182	0160-4084	1	CAP-FXD 0.1uF +-20% 50 V CER X7R	28480	0160-4084

*\*Indicates factory-selected value*

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**CPU (continued)**

Reference Designator	HP Part Number	Qty	Description	Mfr Code	Mfr Part Number
C183	0160-4835	1	CAP-FXD 0.1uF +10% 50 V CER X7R	28480	0160-4835
C184	0160-4835	1	CAP-FXD 0.1uF +10% 50 V CER X7R	28480	0160-4835
C185	0160-4084	1	CAP-FXD 0.1uF +20% 50 V CER X7R	28480	0160-4084
C186	0160-4084	1	CAP-FXD 0.1uF +20% 50 V CER X7R	28480	0160-4084
C187	0160-4835	1	CAP-FXD 0.1uF +10% 50 V CER X7R	28480	0160-4835
C188	0160-4835	1	CAP-FXD 0.1uF +10% 50 V CER X7R	28480	0160-4835
C189	0160-4389	1	CAP-FXD 100pF +5% 200 V CER C0G	28480	0160-4389
C191	0160-3879	1	CAP-FXD 0.01uF +20% 100 V CER X7R	28480	0160-3879
C192	0160-3879	1	CAP-FXD 0.01uF +20% 100 V CER X7R	28480	0160-3879
C193	0160-3879	1	CAP-FXD 0.01uF +20% 100 V CER X7R	28480	0160-3879
C194	0160-3879	1	CAP-FXD 0.01uF +20% 100 V CER X7R	28480	0160-3879
C195	0160-4084	1	CAP-FXD 0.1uF +20% 50 V CER X7R	28480	0160-4084
C196	0160-4084	1	CAP-FXD 0.1uF +20% 50 V CER X7R	28480	0160-4084
C197	0160-4084	1	CAP-FXD 0.1uF +20% 50 V CER X7R	28480	0160-4084
C201	0160-4084	1	CAP-FXD 0.1uF +20% 50 V CER X7R	28480	0160-4084
C202	0160-4084	1	CAP-FXD 0.1uF +20% 50 V CER X7R	28480	0160-4084
C203	0160-4084	1	CAP-FXD 0.1uF +20% 50 V CER X7R	28480	0160-4084
C204	0160-4084	1	CAP-FXD 0.1uF +20% 50 V CER X7R	28480	0160-4084
C205	0160-4084	1	CAP-FXD 0.1uF +20% 50 V CER X7R	28480	0160-4084
C206	0160-4084	1	CAP-FXD 0.1uF +20% 50 V CER X7R	28480	0160-4084
C207	0160-4084	1	CAP-FXD 0.1uF +20% 50 V CER X7R	28480	0160-4084
C208	0160-4084	1	CAP-FXD 0.1uF +20% 50 V CER X7R	28480	0160-4084
C209	0160-4084	1	CAP-FXD 0.1uF +20% 50 V CER X7R	28480	0160-4084
C210	0160-4084	1	CAP-FXD 0.1uF +20% 50 V CER X7R	28480	0160-4084
C223	0180-3771	1	CAP-FXD 1uF +10% 35 V TA	28480	0180-3771
C224	*0160-4084	1	CAP-FXD 0.1uF +20% 50 V CER X7R	28480	0160-4084
C225	0180-3771	1	CAP-FXD 1uF +10% 35 V TA	28480	0180-3771
C226	0160-4084	1	CAP-FXD 0.1uF +20% 50 V CER X7R	28480	0160-4084
C229	0160-4084	1	CAP-FXD 0.1uF +20% 50 V CER X7R	28480	0160-4084
C231	0160-4084	1	CAP-FXD 0.1uF +20% 50 V CER X7R	28480	0160-4084
C232	0160-4084	1	CAP-FXD 0.1uF +20% 50 V CER X7R	28480	0160-4084
C233	0160-4084	1	CAP-FXD 0.1uF +20% 50 V CER X7R	28480	0160-4084
C234	0180-3831	1	CAP-FXD 10uF +10% 35 V TA	28480	0180-3831
C237	0180-3941	1	CAP-FXD 100uF +10% 10 V TA	28480	0180-3941
C241	0180-3813	1	CAP-FXD 10uF +10% 10 V TA	28480	0180-3813



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**CPU (continued)**

Reference Designator	HP Part Number	Qty	Description	Mfr Code	Mfr Part Number
C242	0160-4084	1	CAP-FXD 0.1uF +20% 50 V CER X7R	28480	0160-4084
C243	0160-3878	1	CAP-FXD 1000pF +20% 100 V CER X7R	28480	0160-3878
C244	0160-3878	1	CAP-FXD 1000pF +20% 100 V CER X7R	28480	0160-3878
C245	0160-3878	1	CAP-FXD 1000pF +20% 100 V CER X7R	28480	0160-3878
C246	0180-3813	1	CAP-FXD 10uF +10% 10 V TA	28480	0180-3813
C247	0160-3878	1	CAP-FXD 1000pF +20% 100 V CER X7R	28480	0160-3878
C248	0160-4790	1	CAP-FXD 12pF +5% 100 V CER C0G	28480	0160-4790
CR1	1901-0033	1	DIODE-GEN PRP 180V 200MA DO-35	28480	1901-0033
CR2	1901-0033	1	DIODE-GEN PRP 180V 200MA DO-35	28480	1901-0033
CR3	1906-0229	1	DIODE-ARRAY 50V 400MA TO-116	28480	1906-0229
CR4	1906-0229	1	DIODE-ARRAY 50V 400MA TO-116	28480	1906-0229
CR5	1906-0229	1	DIODE-ARRAY 50V 400MA TO-116	28480	1906-0229
CR6	1906-0229	1	DIODE-ARRAY 50V 400MA TO-116	28480	1906-0229
CR7	1906-0229	1	DIODE-ARRAY 50V 400MA TO-116	28480	1906-0229
CR8	1906-0229	1	DIODE-ARRAY 50V 400MA TO-116	28480	1906-0229
CR9	1901-0033	1	DIODE-GEN PRP 180V 200MA DO-35	28480	1901-0033
CR10	1901-0050	1	DIODE-SWITCHING 80V 200MA 2NS DO-35	28480	1901-0050
CR11	1901-0050	1	DIODE-SWITCHING 80V 200MA 2NS DO-35	28480	1901-0050
CR12	1901-0033	1	DIODE-GEN PRP 180V 200MA DO-35	28480	1901-0033
CR13	1901-0033	1	DIODE-GEN PRP 180V 200MA DO-35	28480	1901-0033
CR14	1901-0033	1	DIODE-GEN PRP 180V 200MA DO-35	28480	1901-0033
CR15	1901-0033	1	DIODE-GEN PRP 180V 200MA DO-35	28480	1901-0033
CR16	1906-0229	1	DIODE-ARRAY 50V 400MA TO-116	28480	1906-0229
CR17	1906-0229	1	DIODE-ARRAY 50V 400MA TO-116	28480	1906-0229
CR18	1901-0731	1	DIODE-PWR RECT 400V 1A	28480	1901-0731
CR19	1901-0731	1	DIODE-PWR RECT 400V 1A	28480	1901-0731
CR20	1901-0033	1	DIODE-GEN PRP 180V 200MA DO-35	28480	1901-0033
DS1	1990-0918	1	DISPLAY-NUM-SEG 1-CHAR .3-H RED	28480	1990-0918
DS2	1990-0486	1	LED-LAMP LUM-INT=2MCD IF=25MA-MAX BVR=5V	28480	1990-0486
DS3	1990-0485	1	LED-LAMP LUM-INT=2MCD IF=30MA-MAX BVR=5V	28480	1990-0485
DS4	1990-0487	1	LED-LAMP LUM-INT=2MCD BVR=5V	28480	1990-0487
DS6	1990-0485	1	LED-LAMP LUM-INT=2MCD IF=30MA-MAX BVR=5V	28480	1990-0485
DS7	1990-0485	1	LED-LAMP LUM-INT=2MCD IF=30MA-MAX BVR=5V	28480	1990-0485
DS21	1990-0485	1	LED-LAMP LUM-INT=2MCD IF=30MA-MAX BVR=5V	28480	1990-0485
DS22	1990-0485	1	LED-LAMP LUM-INT=2MCD IF=30MA-MAX BVR=5V	28480	1990-0485

*\*Indicates factory-selected value*

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**CPU (continued)**

Reference Designator	HP Part Number	Qty	Description	Mfr Code	Mfr Part Number
DS23	1990-0485	1	LED-LAMP LUM-INT=2MCD IF=30MA-MAX BVR=5V	28480	1990-0485
DS24	1990-0485	1	LED-LAMP LUM-INT=2MCD IF=30MA-MAX BVR=5V	28480	1990-0485
DS63	1990-0652	1	LED-LAMP ARRAY LUM-INT=200UCD IF=5MA-MAX	28480	1990-0652
DS64	1990-0652	1	LED-LAMP ARRAY LUM-INT=200UCD IF=5MA-MAX	28480	1990-0652
DS65	1990-0652	1	LED-LAMP ARRAY LUM-INT=200UCD IF=5MA-MAX	28480	1990-0652
DS111	1990-0652	1	LED-LAMP ARRAY LUM-INT=200UCD IF=5MA-MAX	28480	1990-0652
DS141	1990-0485	1	LED-LAMP LUM-INT=2MCD IF=30MA-MAX BVR=5V	28480	1990-0485
E1	9170-1368	1	CORE-SHIELDING BEAD	28480	9170-1368
E2	9170-1368	1	CORE-SHIELDING BEAD	28480	9170-1368
E3	9170-1368	1	CORE-SHIELDING BEAD	28480	9170-1368
E7	9170-1368	1	CORE-SHIELDING BEAD	28480	9170-1368
E8	9170-1368	1	CORE-SHIELDING BEAD	28480	9170-1368
E10	9170-1368	1	CORE-SHIELDING BEAD	28480	9170-1368
E11	9170-1368	1	CORE-SHIELDING BEAD	28480	9170-1368
E12	9170-1368	1	CORE-SHIELDING BEAD	28480	9170-1368
E13	9170-1368	1	CORE-SHIELDING BEAD	28480	9170-1368
E14	9170-1368	1	CORE-SHIELDING BEAD	28480	9170-1368
E15	9170-1368	1	CORE-SHIELDING BEAD	28480	9170-1368
E16	9170-1368	1	CORE-SHIELDING BEAD	28480	9170-1368
E17	9170-1368	1	CORE-SHIELDING BEAD	28480	9170-1368
E18	9170-1368	1	CORE-SHIELDING BEAD	28480	9170-1368
E19	9170-1368	1	CORE-SHIELDING BEAD	28480	9170-1368
E20	9170-1368	1	CORE-SHIELDING BEAD	28480	9170-1368
E21	9170-1368	1	CORE-SHIELDING BEAD	28480	9170-1368
E22	9170-1368	1	CORE-SHIELDING BEAD	28480	9170-1368
E23	9170-1368	1	CORE-SHIELDING BEAD	28480	9170-1368
E24	9170-1368	1	CORE-SHIELDING BEAD	28480	9170-1368
E25	9170-1368	1	CORE-SHIELDING BEAD	28480	9170-1368
E26	9170-1368	1	CORE-SHIELDING BEAD	28480	9170-1368
E27	9170-1368	1	CORE-SHIELDING BEAD	28480	9170-1368
E28	9170-1368	1	CORE-SHIELDING BEAD	28480	9170-1368
E29	9170-1368	1	CORE-SHIELDING BEAD	28480	9170-1368
E30	9170-1368	1	CORE-SHIELDING BEAD	28480	9170-1368
F1	2110-0332	1	FUSE (INCH) 3A 125V NTD BI	28480	2110-0332
F2	2110-0332	1	FUSE (INCH) 3A 125V NTD BI	28480	2110-0332

**HP Part Number 08712-60002**  
**CPU (continued)**

Reference Designator	HP Part Number	Qty	Description	Mfr Code	Mfr Part Number
J1	1250-1842	1	CONNECTOR-RF BNC RCPT PC-W-STDFS 50-OHM	28480	1250-1842
J2	1251-5639	1	CONN-POST TYPE .100-PIN-SPCG-MTG-END	28480	1251-5639
J3	1252-2356	1	CONN-POST TYPE 2.54-PIN-SPCG-MTG-END	28480	1252-2356
J4	1250-1842	1	CONNECTOR-RF BNC RCPT PC-W-STDFS 50-OHM	28480	1250-1842
J5	1250-1842	1	CONNECTOR-RF BNC RCPT PC-W-STDFS 50-OHM	28480	1250-1842
J6	1252-1201	1	CONN-RECT D-SUBMIN 25-CKT 25-CONT	28480	1252-1201
J7	1252-1492	1	CONN-RECT MICRORBN 24-CKT 24-CONT	28480	1252-1492
J8	1252-2755	1	CONNECTOR 5-PIN F CIRCULAR DIN	01380	520842-1
J9	1251-8106	1	CONN-POST TYPE .100-PIN-SPCG-MTG-END	28480	1251-8106
J10	1251-8248	1	CONN-POST TYPE .100-PIN-SPCG-MTG-END	28480	1251-8248
J11	1251-8601	1	CONN-POST TYPE .100-PIN-SPCG-MTG-END	28480	1251-8601
J12	1252-3053	1	CONN-POST TYPE .100-PIN-SPCG-MTG-END	28480	1252-3053
J15	1252-0169	1	CONN-POST TYPE .100-PIN-SPCG-MTG-END	28480	1252-0169
J16	1252-0169	1	CONN-POST TYPE .100-PIN-SPCG-MTG-END	28480	1252-0169
J17	1252-1994	1	CONN-RECT D-SUBMIN 9-CKT 9-CONT	28480	1252-1994
J20	1250-1842	1	CONNECTOR-RF BNC RCPT PC-W-STDFS 50-OHM	28480	1250-1842
J21	1251-2313	1	CONNECTOR-SGL CONT SKT .04-IN-BSC-SZ RND	01380	3-332070-5
J22	1251-2313	1	CONNECTOR-SGL CONT SKT .04-IN-BSC-SZ RND	01380	3-332070-5
J23	1251-2313	1	CONNECTOR-SGL CONT SKT .04-IN-BSC-SZ RND	01380	3-332070-5
J24	1251-2313	1	CONNECTOR-SGL CONT SKT .04-IN-BSC-SZ RND	01380	3-332070-5
J32	1252-0169	1	CONN-POST TYPE .100-PIN-SPCG-MTG-END	28480	1252-0169
J45	1252-0169	1	CONN-POST TYPE .100-PIN-SPCG-MTG-END	28480	1252-0169
L1	9140-1146	1	INDUCTOR-FIXED L=1.5 uH MIN; FREQ=10kHz	28480	9140-1146
L2	9140-1146	1	INDUCTOR-FIXED L=1.5 uH MIN; FREQ=10kHz	28480	9140-1146
L3	9140-1146	1	INDUCTOR-FIXED L=1.5 uH MIN; FREQ=10kHz	28480	9140-1146
L4	9140-1146	1	INDUCTOR-FIXED L=1.5 uH MIN; FREQ=10kHz	28480	9140-1146
L9	9140-1151	1	INDUCTOR-FIXED L: 28 UH MIN; TEST V	28480	9140-1151
LS1	0960-0561	1	AUDIO TRANSDUCER 1-3VDC; 80DB AT 10CM	08261	QMB-01-S.P.
MP2	08711-20056	1	SHIELD-CPU	28480	08711-20056
MP3	08711-20055	1	SHIELD-CPU	28480	08711-20055
MP4	08711-20058	1	SHIELD-CPU	28480	08711-20058
MP5	08711-20057	1	SHIELD-CPU	28480	08711-20057
MP6	08711-20054	1	SHIELD-CPU	28480	08711-20054
MP7	08711-20059	1	SHIELD-CPU	28480	08711-20059
MP12	08712-00004	1	SHLD-REAR CPU	28480	08712-00004

*\*Indicates factory-selected value*

**HP Part Number 08712-60002**  
**CPU (continued)**

Reference Designator	HP Part Number	Qty	Description	Mfr Code	Mfr Part Number
MP13	08712-60003	1	SHLD AY-FRNT CPU	28480	08712-60003
MP14	0515-2126	1	SCREW-MACHINE ASSEMBLY M3 X 0.5 6MM-LG	05610	
MP15	0515-2126	1	SCREW-MACHINE ASSEMBLY M3 X 0.5 6MM-LG	05610	
MP16	0515-2126	1	SCREW-MACHINE ASSEMBLY M3 X 0.5 6MM-LG	05610	
MP17	0590-1310	1	NUT-SPCLY 1/2-28-THD .11-IN-THK .665-WD	03699	
MP18	0590-1310	1	NUT-SPCLY 1/2-28-THD .11-IN-THK .665-WD	03699	
MP19	0590-1310	1	NUT-SPCLY 1/2-28-THD .11-IN-THK .665-WD	03699	
MP20	0590-1310	1	NUT-SPCLY 1/2-28-THD .11-IN-THK .665-WD	03699	
MP21	2190-0068	1	WASHER-LK INTL T 1/2 IN .505-IN-ID	04805	1924-02
MP22	2190-0068	1	WASHER-LK INTL T 1/2 IN .505-IN-ID	04805	1924-02
MP23	2190-0068	1	WASHER-LK INTL T 1/2 IN .505-IN-ID	04805	1924-02
MP24	2190-0068	1	WASHER-LK INTL T 1/2 IN .505-IN-ID	04805	1924-02
MP25	0380-0643	1	STANDOFF-HEX .255-IN-LG 6-32-THD	02121	
MP26	0380-0643	1	STANDOFF-HEX .255-IN-LG 6-32-THD	02121	
MP27	3050-0253	1	WASHER-SPR CRVD NO. 10 .195-IN-ID	04805	3502-10-25-0551
MP28	3050-0253	1	WASHER-SPR CRVD NO. 10 .195-IN-ID	04805	3502-10-25-0551
MP29	1251-2942	1	SCREW LOCK KIT-SUBMIN D CONN	02121	ST9422-36
MP30	1251-2942	1	SCREW LOCK KIT-SUBMIN D CONN	02121	ST9422-36
MP31	1251-2942	1	SCREW LOCK KIT-SUBMIN D CONN	02121	ST9422-36
MP32	1251-2942	1	SCREW LOCK KIT-SUBMIN D CONN	02121	ST9422-36
MP35	0590-1095	1	THREADED INSERT-NUT M3 X 0.5 1.5-MM-LG	03981	KF2-M3-ZI
MP36	0590-1095	1	THREADED INSERT-NUT M3 X 0.5 1.5-MM-LG	03981	KF2-M3-ZI
MP37	0590-1095	1	THREADED INSERT-NUT M3 X 0.5 1.5-MM-LG	03981	KF2-M3-ZI
MP38	0590-1095	1	THREADED INSERT-NUT M3 X 0.5 1.5-MM-LG	03981	KF2-M3-ZI
MP39	0590-1095	1	THREADED INSERT-NUT M3 X 0.5 1.5-MM-LG	03981	KF2-M3-ZI
MP40	0515-2126	1	SCREW-MACHINE ASSEMBLY M3 X 0.5 6MM-LG	05610	
MP41	0515-2126	1	SCREW-MACHINE ASSEMBLY M3 X 0.5 6MM-LG	05610	
MP42	08711-20011	1	BUMPER-TOP	28480	08711-20011
MP43	08711-20011	1	BUMPER-TOP	28480	08711-20011
MP44	08711-20012	1	BUMPER-BOTTOM	28480	08711-20012
MP45	08711-20012	1	BUMPER-BOTTOM	28480	08711-20012
MP46	0403-0423	1	BUMPER FOOT-ADH MTG	02170	1572
MP47	1251-5595	1	POLARIZING KEY-POST CONN	04726	3518
MP48	1251-5595	1	POLARIZING KEY-POST CONN	04726	3518
MP49	1251-5595	1	POLARIZING KEY-POST CONN	04726	3518

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**CPU (continued)**

Reference Designator	HP Part Number	Qty	Description	Mfr Code	Mfr Part Number
MP50	1251-5595	1	POLARIZING KEY-POST CONN	04726	3518
MP51	1251-5595	1	POLARIZING KEY-POST CONN	04726	3518
MP52	1251-5595	1	POLARIZING KEY-POST CONN	04726	3518
MP54	8120-5526	1	FLAT-RIBBON-ASSY 28-AWG 20-COND	04726	80610670087
MP55	8120-5527	1	FLAT-RIBBON-ASSY 28-AWG 26-COND	04726	80610670095
MP56	08712-00012	1	CLAMP-CABLE	28480	08712-00012
MP57	08712-00012	1	CLAMP-CABLE	28480	08712-00012
MP58	08712-80008	1	PAD-CONDUCTIVE	28480	08712-80008
MP59	08712-80008	1	PAD-CONDUCTIVE	28480	08712-80008
Q1	1854-1028	1	TRANSISTOR NPN SI TO-92 PD=625MW	28480	1854-1028
Q2	1854-1028	1	TRANSISTOR NPN SI TO-92 PD=625MW	28480	1854-1028
Q3	1854-1028	1	TRANSISTOR NPN SI TO-92 PD=625MW	28480	1854-1028
Q4	1854-1028	1	TRANSISTOR NPN SI TO-92 PD=625MW	28480	1854-1028
Q5	1854-1028	1	TRANSISTOR NPN SI TO-92 PD=625MW	28480	1854-1028
Q6	1854-1028	1	TRANSISTOR NPN SI TO-92 PD=625MW	28480	1854-1028
R1	0757-0394	1	RESISTOR 51.1 +-1% .125W TF TC=0+-100	28480	0757-0394
R2	1810-0279	1	NETWORK-RES 10-SIP 4.7K OHM X 9	28480	1810-0279
R3	1810-0279	1	NETWORK-RES 10-SIP 4.7K OHM X 9	28480	1810-0279
R4	1810-0279	1	NETWORK-RES 10-SIP 4.7K OHM X 9	28480	1810-0279
R5	1810-0279	1	NETWORK-RES 10-SIP 4.7K OHM X 9	28480	1810-0279
R6	0757-0394	1	RESISTOR 51.1 +-1% .125W TF TC=0+-100	28480	0757-0394
R7	1810-0279	1	NETWORK-RES 10-SIP 4.7K OHM X 9	28480	1810-0279
R8	1810-0279	1	NETWORK-RES 10-SIP 4.7K OHM X 9	28480	1810-0279
R9	1810-0398	1	NETWORK-RES 10-SIP 22.0K OHM X 9	28480	1810-0398
R10	1810-0398	1	NETWORK-RES 10-SIP 22.0K OHM X 9	28480	1810-0398
R11	0757-0280	1	RESISTOR 1K +-1% .125W TF TC=0+-100	28480	0757-0280
R12	0757-0280	1	RESISTOR 1K +-1% .125W TF TC=0+-100	28480	0757-0280
R14	0757-0280	1	RESISTOR 1K +-1% .125W TF TC=0+-100	28480	0757-0280
R15	0757-0280	1	RESISTOR 1K +-1% .125W TF TC=0+-100	28480	0757-0280
R16	0757-0280	1	RESISTOR 1K +-1% .125W TF TC=0+-100	28480	0757-0280
R17	0757-0280	1	RESISTOR 1K +-1% .125W TF TC=0+-100	28480	0757-0280
R18	0757-0280	1	RESISTOR 1K +-1% .125W TF TC=0+-100	28480	0757-0280
R19	0757-0280	1	RESISTOR 1K +-1% .125W TF TC=0+-100	28480	0757-0280
R20	0757-0280	1	RESISTOR 1K +-1% .125W TF TC=0+-100	28480	0757-0280
R21	0757-0405	1	RESISTOR 162 +-1% .125W TF TC=0+-100	28480	0757-0405

*\*Indicates factory-selected value*

**HP Part Number 08712-60002**  
**CPU (continued)**

Reference Designator	HP Part Number	Qty	Description	Mfr Code	Mfr Part Number
R22	0757-0417	1	RESISTOR 562 +-1% .125W TF TC=0+-100	28480	0757-0417
R23	0757-0419	1	RESISTOR 681 +-1% .25W TF TC=0+-100	28480	0757-0419
R24	0757-0419	1	RESISTOR 681 +-1% .25W TF TC=0+-100	28480	0757-0419
R25	0698-3430	1	RESISTOR 21.5 +-1% .125W TF TC=0+-100	28480	0698-3430
R26	0757-0280	1	RESISTOR 1K +-1% .125W TF TC=0+-100	28480	0757-0280
R27	0698-0084	1	RESISTOR 2.15K +-1% .125W TF TC=0+-100	28480	0698-0084
R28	0757-0280	1	RESISTOR 1K +-1% .125W TF TC=0+-100	28480	0757-0280
R29	1810-0275	1	NETWORK-RES 10-SIP 1.0K OHM X 9	28480	1810-0275
R30	0698-0084	1	RESISTOR 2.15K +-1% .125W TF TC=0+-100	28480	0698-0084
R32	0698-3430	1	RESISTOR 21.5 +-1% .125W TF TC=0+-100	28480	0698-3430
R33	0698-3430	1	RESISTOR 21.5 +-1% .125W TF TC=0+-100	28480	0698-3430
R34	0698-3430	1	RESISTOR 21.5 +-1% .125W TF TC=0+-100	28480	0698-3430
R35	0698-3155	1	RESISTOR 4.64K +-1% .125W TF TC=0+-100	28480	0698-3155
R36	0757-0419	1	RESISTOR 681 +-1% .25W TF TC=0+-100	28480	0757-0419
R37	0757-0419	1	RESISTOR 681 +-1% .25W TF TC=0+-100	28480	0757-0419
R39	0757-0419	1	RESISTOR 681 +-1% .25W TF TC=0+-100	28480	0757-0419
R40	1810-0279	1	NETWORK-RES 10-SIP 4.7K OHM X 9	28480	1810-0279
R41	0698-6631	1	RESISTOR 2.5K +-0.1% .125W TF TC=0+-25	28480	0698-6631
R42	0698-6774	1	RESISTOR 150 +-0.1% .125W TF TC=0+-25	28480	0698-6774
R43	0757-0419	1	RESISTOR 681 +-1% .25W TF TC=0+-100	28480	0757-0419
R44	0757-0419	1	RESISTOR 681 +-1% .25W TF TC=0+-100	28480	0757-0419
R45	0757-0200	1	RESISTOR 5.62K +-1% .125W TF TC=0+-100	28480	0757-0200
R46	0698-6631	1	RESISTOR 2.5K +-0.1% .125W TF TC=0+-25	28480	0698-6631
R49	0757-0417	1	RESISTOR 562 +-1% .125W TF TC=0+-100	28480	0757-0417
R50	0698-0084	1	RESISTOR 2.15K +-1% .125W TF TC=0+-100	28480	0698-0084
R51	0698-0084	1	RESISTOR 2.15K +-1% .125W TF TC=0+-100	28480	0698-0084
R52	0698-0084	1	RESISTOR 2.15K +-1% .125W TF TC=0+-100	28480	0698-0084
R53	0698-0084	1	RESISTOR 2.15K +-1% .125W TF TC=0+-100	28480	0698-0084
R54	0757-0280	1	RESISTOR 1K +-1% .125W TF TC=0+-100	28480	0757-0280
R55	0698-3155	1	RESISTOR 4.64K +-1% .125W TF TC=0+-100	28480	0698-3155
R56	0757-0280	1	RESISTOR 1K +-1% .125W TF TC=0+-100	28480	0757-0280
R57	0757-0419	1	RESISTOR 681 +-1% .25W TF TC=0+-100	28480	0757-0419
R58	0757-0280	1	RESISTOR 1K +-1% .125W TF TC=0+-100	28480	0757-0280
R59	1810-0279	1	NETWORK-RES 10-SIP 4.7K OHM X 9	28480	1810-0279
R60	0698-3441	1	RESISTOR 215 +-1% .125W TF TC=0+-100	28480	0698-3441

**HP Part Number 08712-60002**  
**CPU (continued)**

Reference Designator	HP Part Number	Qty	Description	Mfr Code	Mfr Part Number
R61	0698-3153	1	RESISTOR 3.83K +-1% .125W TF TC=0+-100	28480	0698-3153
R62	0757-0417	1	RESISTOR 562 +-1% .125W TF TC=0+-100	28480	0757-0417
R63	0757-0417	1	RESISTOR 562 +-1% .125W TF TC=0+-100	28480	0757-0417
R64	0757-0200	1	RESISTOR 5.62K +-1% .125W TF TC=0+-100	28480	0757-0200
R65	0757-0280	1	RESISTOR 1K +-1% .125W TF TC=0+-100	28480	0757-0280
R66	0757-0403	1	RESISTOR 121 +-1% .125W TF TC=0+-100	28480	0757-0403
R67	0757-0424	1	RESISTOR 1.1K +-1% .125W TF TC=0+-100	28480	0757-0424
R68	0698-0084	1	RESISTOR 2.15K +-1% .125W TF TC=0+-100	28480	0698-0084
R69	0698-3155	1	RESISTOR 4.64K +-1% .125W TF TC=0+-100	28480	0698-3155
R70	0757-0280	1	RESISTOR 1K +-1% .125W TF TC=0+-100	28480	0757-0280
R72	0698-3430	1	RESISTOR 21.5 +-1% .125W TF TC=0+-100	28480	0698-3430
R75	8159-0005	1	RESISTOR 0 CWM	28480	8159-0005
R76	0698-3155	1	RESISTOR 4.64K +-1% .125W TF TC=0+-100	28480	0698-3155
R77	0757-0280	1	RESISTOR 1K +-1% .125W TF TC=0+-100	28480	0757-0280
R78	0757-0280	1	RESISTOR 1K +-1% .125W TF TC=0+-100	28480	0757-0280
R80	8159-0005	1	RESISTOR 0 CWM	28480	8159-0005
R82	0698-0084	1	RESISTOR 2.15K +-1% .125W TF TC=0+-100	28480	0698-0084
R85	8159-0005	1	RESISTOR 0 CWM	28480	8159-0005
R88	0698-3430	1	RESISTOR 21.5 +-1% .125W TF TC=0+-100	28480	0698-3430
R89	8159-0005	1	RESISTOR 0 CWM	28480	8159-0005
R91	8159-0005	1	RESISTOR 0 CWM	28480	8159-0005
R93	0698-3430	1	RESISTOR 21.5 +-1% .125W TF TC=0+-100	28480	0698-3430
R94	0698-3430	1	RESISTOR 21.5 +-1% .125W TF TC=0+-100	28480	0698-3430
R95	0698-3162	1	RESISTOR 46.4K +-1% .125W TF TC=0+-100	28480	0698-3162
R96	0698-3162	1	RESISTOR 46.4K +-1% .125W TF TC=0+-100	28480	0698-3162
R97	0757-0417	1	RESISTOR 562 +-1% .125W TF TC=0+-100	28480	0757-0417
R98	0757-0280	1	RESISTOR 1K +-1% .125W TF TC=0+-100	28480	0757-0280
R99	0698-3155	1	RESISTOR 4.64K +-1% .125W TF TC=0+-100	28480	0698-3155
R101	0698-0084	1	RESISTOR 2.15K +-1% .125W TF TC=0+-100	28480	0698-0084
R102	0698-0084	1	RESISTOR 2.15K +-1% .125W TF TC=0+-100	28480	0698-0084
R103	0698-3430	1	RESISTOR 21.5 +-1% .125W TF TC=0+-100	28480	0698-3430
R104	0698-3430	1	RESISTOR 21.5 +-1% .125W TF TC=0+-100	28480	0698-3430
R105	0698-3430	1	RESISTOR 21.5 +-1% .125W TF TC=0+-100	28480	0698-3430
R106	0698-3430	1	RESISTOR 21.5 +-1% .125W TF TC=0+-100	28480	0698-3430
R107	0698-3430	1	RESISTOR 21.5 +-1% .125W TF TC=0+-100	28480	0698-3430

*\*Indicates factory-selected value*

**HP Part Number 08712-60002**  
**CPU (continued)**

Reference Designator	HP Part Number	Qty	Description	Mfr Code	Mfr Part Number
R108	0698-3441	1	RESISTOR 215 +1% .125W TF TC=0+-100	28480	0698-3441
R110	0698-3155	1	RESISTOR 4.64K +1% .125W TF TC=0+-100	28480	0698-3155
R111	1810-0279	1	NETWORK-RES 10-SIP 4.7K OHM X 9	28480	1810-0279
R112	1810-0279	1	NETWORK-RES 10-SIP 4.7K OHM X 9	28480	1810-0279
R113	0757-0417	1	RESISTOR 562 +1% .125W TF TC=0+-100	28480	0757-0417
R114	0698-3430	1	RESISTOR 21.5 +1% .125W TF TC=0+-100	28480	0698-3430
R115	0698-3430	1	RESISTOR 21.5 +1% .125W TF TC=0+-100	28480	0698-3430
R116	0698-3430	1	RESISTOR 21.5 +1% .125W TF TC=0+-100	28480	0698-3430
R117	0698-3430	1	RESISTOR 21.5 +1% .125W TF TC=0+-100	28480	0698-3430
R119	0757-0280	1	RESISTOR 1K +-1% .125W TF TC=0+-100	28480	0757-0280
R121	0757-0280	1	RESISTOR 1K +-1% .125W TF TC=0+-100	28480	0757-0280
R122	0757-0280	1	RESISTOR 1K +-1% .125W TF TC=0+-100	28480	0757-0280
R124	0698-3155	1	RESISTOR 4.64K +1% .125W TF TC=0+-100	28480	0698-3155
R125	0757-0419	1	RESISTOR 681 +-1% .25W TF TC=0+-100	28480	0757-0419
R132	0757-0465	1	RESISTOR 100K +-1% .125W TF TC=0+-100	28480	0757-0465
R133	0757-0346	1	RESISTOR 10 +-1% .125W TF TC=0+-100	28480	0757-0346
R134	0757-0346	1	RESISTOR 10 +-1% .125W TF TC=0+-100	28480	0757-0346
R136	0698-0084	1	RESISTOR 2.15K +-1% .125W TF TC=0+-100	28480	0698-0084
R141	0757-0405	1	RESISTOR 162 +-1% .125W TF TC=0+-100	28480	0757-0405
R142	0698-3132	1	RESISTOR 261 +-1% .125W TF TC=0+-100	28480	0698-3132
R143	0757-0418	1	RESISTOR 619 +-1% .125W TF TC=0+-100	28480	0757-0418
R144	0757-1094	1	RESISTOR 1.47K +-1% .125W TF TC=0+-100	28480	0757-1094
R145	0698-3437	1	RESISTOR 133 +-1% .125W TF TC=0+-100	28480	0698-3437
R151	1810-0533	1	NETWORK-RES 16-DIP 33.0 OHM X 8	28480	1810-0533
R152	1810-0533	1	NETWORK-RES 16-DIP 33.0 OHM X 8	28480	1810-0533
R153	0698-3155	1	RESISTOR 4.64K +1% .125W TF TC=0+-100	28480	0698-3155
R157	8159-0005	1	RESISTOR 0 CWM	28480	8159-0005
R159	8159-0005	1	RESISTOR 0 CWM	28480	8159-0005
R202	0757-0280	1	RESISTOR 1K +-1% .125W TF TC=0+-100	28480	0757-0280
R203	0757-0280	1	RESISTOR 1K +-1% .125W TF TC=0+-100	28480	0757-0280
R204	0757-0280	1	RESISTOR 1K +-1% .125W TF TC=0+-100	28480	0757-0280
R205	0757-0280	1	RESISTOR 1K +-1% .125W TF TC=0+-100	28480	0757-0280
R206	0698-3155	1	RESISTOR 4.64K +1% .125W TF TC=0+-100	28480	0698-3155
R207	0698-3155	1	RESISTOR 4.64K +1% .125W TF TC=0+-100	28480	0698-3155
R301	0698-3441	1	RESISTOR 215 +1% .125W TF TC=0+-100	28480	0698-3441



**HP Part Number 08712-60002**  
**CPU (continued)**

Reference Designator	HP Part Number	Qty	Description	Mfr Code	Mfr Part Number
R302	0698-3441	1	RESISTOR 215 +-1% .125W TF TC=0+-100	28480	0698-3441
R303	0698-3441	1	RESISTOR 215 +-1% .125W TF TC=0+-100	28480	0698-3441
R304	0698-3441	1	RESISTOR 215 +-1% .125W TF TC=0+-100	28480	0698-3441
R305	0698-3441	1	RESISTOR 215 +-1% .125W TF TC=0+-100	28480	0698-3441
R306	0698-3441	1	RESISTOR 215 +-1% .125W TF TC=0+-100	28480	0698-3441
R307	0698-3441	1	RESISTOR 215 +-1% .125W TF TC=0+-100	28480	0698-3441
R308	0698-3441	1	RESISTOR 215 +-1% .125W TF TC=0+-100	28480	0698-3441
R309	0698-3441	1	RESISTOR 215 +-1% .125W TF TC=0+-100	28480	0698-3441
R310	0698-3155	1	RESISTOR 4.64K +-1% .125W TF TC=0+-100	28480	0698-3155
R311	0698-3441	1	RESISTOR 215 +-1% .125W TF TC=0+-100	28480	0698-3441
R312	0757-0465	1	RESISTOR 100K +-1% .125W TF TC=0+-100	28480	0757-0465
R313	0698-3444	1	RESISTOR 316 +-1% .125W TF TC=0+-100	28480	0698-3444
R314	0757-0401	1	RESISTOR 100 +-1% .125W TF TC=0+-100	28480	0757-0401
S1	3101-2243	1	SWITCH-DIP RKR 8-1A 0.05A 30VDC	28480	3101-2243
S2	3101-2243	1	SWITCH-DIP RKR 8-1A 0.05A 30VDC	28480	3101-2243
TP1	1460-2201	1	SPRING RADIAL TEST POINT	12646	
TP2	1460-2201	1	SPRING RADIAL TEST POINT	12646	
TP3	1460-2201	1	SPRING RADIAL TEST POINT	12646	
TP4	1460-2201	1	SPRING RADIAL TEST POINT	12646	
TP5	1460-2201	1	SPRING RADIAL TEST POINT	12646	
TP6	1460-2201	1	SPRING RADIAL TEST POINT	12646	
TP7	1460-2201	1	SPRING RADIAL TEST POINT	12646	
TP8	1460-2201	1	SPRING RADIAL TEST POINT	12646	
TP9	1460-2201	1	SPRING RADIAL TEST POINT	12646	
TP12	1460-2201	1	SPRING RADIAL TEST POINT	12646	
TP13	1460-2201	1	SPRING RADIAL TEST POINT	12646	
TP14	1460-2201	1	SPRING RADIAL TEST POINT	12646	
TP15	1460-2201	1	SPRING RADIAL TEST POINT	12646	
TP16	1460-2201	1	SPRING RADIAL TEST POINT	12646	
TP17	1460-2201	1	SPRING RADIAL TEST POINT	12646	
TP18	1460-2201	1	SPRING RADIAL TEST POINT	12646	
TP19	1460-2201	1	SPRING RADIAL TEST POINT	12646	
TP20	1460-2201	1	SPRING RADIAL TEST POINT	12646	
TP21	1460-2201	1	SPRING RADIAL TEST POINT	12646	
TP22	1460-2201	1	SPRING RADIAL TEST POINT	12646	

*\*Indicates factory-selected value*

**HP Part Number 08712-60002**  
**CPU (continued)**

Reference Designator	HP Part Number	Qty	Description	Mfr Code	Mfr Part Number
TP23	1460-2201	1	SPRING RADIAL TEST POINT	12646	
TP24	1460-2201	1	SPRING RADIAL TEST POINT	12646	
TP25	1460-2201	1	SPRING RADIAL TEST POINT	12646	
TP26	1460-2201	1	SPRING RADIAL TEST POINT	12646	
TP27	1460-2201	1	SPRING RADIAL TEST POINT	12646	
TP28	1460-2201	1	SPRING RADIAL TEST POINT	12646	
TP29	1460-2201	1	SPRING RADIAL TEST POINT	12646	
TP30	1460-2201	1	SPRING RADIAL TEST POINT	12646	
TP31	1460-2201	1	SPRING RADIAL TEST POINT	12646	
TP32	1460-2201	1	SPRING RADIAL TEST POINT	12646	
TP33	1460-2201	1	SPRING RADIAL TEST POINT	12646	
TP34	1460-2201	1	SPRING RADIAL TEST POINT	12646	
TP35	1460-2201	1	SPRING RADIAL TEST POINT	12646	
TP36	1460-2201	1	SPRING RADIAL TEST POINT	12646	
U1	1820-3100	1	IC DCDR-DEMUXR TTL/ALS BIN 3-TO-8-LINE	28480	1820-3100
U2	1820-1729	1	IC LCH TTL/LS ADDRESSABLE 8-BIT	28480	1820-1729
U3	1820-2675	1	IC TRANSCEIVER TTL/LS BUS OCTL	28480	1820-2675
U4	1813-0648	1	CLK-OSC-XTAL STD 3.6864-MHZ 0.01%	28480	1813-0648
U5	1820-3667	1	IC-DUAL UART, 68000 COMPATIBLE	28480	1820-3667
U6	1826-0275	1	IC PWR MGT-V-REG-FXD-POS 11.5/12.5V	28480	1826-0275
U7	1820-4666	1	IC-INTERFACE DRVR/RCVR CMOS	28480	1820-4666
U8	1826-0282	1	IC PWR MGT-V-REG-FXD-NEG -11.4/-12.6V	28480	1826-0282
U9	1820-2548	1	IC-GENERAL PURPOSE INTERFACE BUS ADAPTER	28480	1820-2548
U10	1820-3431	1	IC-INTERFACE XCVR BIPOLAR INSTRUMENT BUS	28480	1820-3431
U11	1820-3376	1	IC INV TTL/ALS HEX	28480	1820-3376
U12	1820-2691	1	IC FF TTL/F D-TYPE POS-EDGE-TRIG	28480	1820-2691
U13	1820-6989	1	IC-UNIV PRPHL INTFC;KEYBOARD CONTROLLER	28480	1820-6989
U14	1820-2684	1	IC GATE TTL/F NAND QUAD 2-INP	28480	1820-2684
U15	1820-2635	1	IC GATE TTL/ALS AND QUAD 2-INP	28480	1820-2635
U16	1820-2657	1	IC GATE TTL/ALS OR QUAD 2-INP	28480	1820-2657
U17	1826-1338	1	IC MISC 8 PIN DIP-P	28480	1826-1338
U18	1820-3376	1	IC INV TTL/ALS HEX	28480	1820-3376
U19	1820-3100	1	IC DCDR-DEMUXR TTL/ALS BIN 3-TO-8-LINE	28480	1820-3100
U20	08711-80017	1	PAL-U20 IC PRGM	28480	08711-80017
U21	1820-3665	1	IC TRANSCEIVER CMOS/HCT BUS OCTL	28480	1820-3665

**HP Part Number 08712-60002**  
**CPU (continued)**

Reference Designator	HP Part Number	Qty	Description	Mfr Code	Mfr Part Number
U22	1820-3665	1	IC TRANSCEIVER CMOS/HCT BUS OCTL	28480	1820-3665
U23	1820-4086	1	IC FF CMOS/HCT D-TYPE POS-EDGE-TRIG COM	28480	1820-4086
U24	1820-3505	1	IC CNTR TTL/ALS BIN UP/DOWN SYNCHRO	28480	1820-3505
U25	08711-80013	1	PAL-U25 IC PRGM	28480	08711-80013
U26	08711-80014	1	PAL-U26 IC PRGM	28480	08711-80014
U27	1820-5602	1	IC-PROGRAMMABLE INTERVAL TIMER,DC-10MHZ	28480	1820-5602
U28	1820-1729	1	IC LCH TTL/LS ADDRESSABLE 8-BIT	28480	1820-1729
U29	1820-2657	1	IC GATE TTL/ALS OR QUAD 2-INP	28480	1820-2657
U31	08711-80021	1	PAL-U31 IC PRGM	28480	08711-80021
U32	1820-3121	1	IC TRANSCEIVER TTL/ALS BUS OCTL	28480	1820-3121
U33	1820-4086	1	IC FF CMOS/HCT D-TYPE POS-EDGE-TRIG COM	28480	1820-4086
U34	1820-3518	1	IC-INTERFACE XCVR BIPOLAR INSTRUMENT BUS	28480	1820-3518
U35	1820-3378	1	IC LCH TTL/ALS TRANSPARENT OCTL	28480	1820-3378
U36	08711-80019	1	PAL-U36 IC PRGM	28480	08711-80019
U37	1820-3439	1	IC MUXR/DATA-SEL TTL/ALS 4-TO-1-LINE	28480	1820-3439
U38	1820-2488	1	IC FF TTL/ALS D-TYPE POS-EDGE-TRIG	28480	1820-2488
U39	1820-6707	1	IC ARBITER TTL/F BUS ASYNCHRO 4-INP	28480	1820-6707
U40	08711-80022	1	PAL-U40 IC PRGM	28480	08711-80022
U41	08711-80023	1	PAL-U41 IC PRGM	28480	08711-80023
U42	1810-1175	1	DELAY LINE ACTIVE DEVICE W/DUAL IN-LINE	28480	1810-1175
U43	1820-3100	1	IC DCDR-DEMUXR TTL/ALS BIN 3-TO-8-LINE	28480	1820-3100
U44	1820-2657	1	IC GATE TTL/ALS OR QUAD 2-INP	28480	1820-2657
U45	1820-3465	1	IC FF TTL/ALS D-TYPE POS-EDGE-TRIG COM	28480	1820-3465
U46	1820-4164	1	IC SCHMITT-TRIG TTL/F NAND QUAD 2-INP	28480	1820-4164
U47	1820-3121	1	IC TRANSCEIVER TTL/ALS BUS OCTL	28480	1820-3121
U48	1820-2685	1	IC GATE TTL/F NOR QUAD 2-INP	28480	1820-2685
U50	1820-3438	1	IC MUXR/DATA-SEL TTL/ALS 2-TO-1-LINE	28480	1820-3438
U51	1818-5028	1	IC 2M-BIT FLASH 150-NS CMOS	28480	1818-5028
U52	1818-5028	1	IC 2M-BIT FLASH 150-NS CMOS	28480	1818-5028
U53	1818-5028	1	IC 2M-BIT FLASH 150-NS CMOS	28480	1818-5028
U54	1818-5028	1	IC 2M-BIT FLASH 150-NS CMOS	28480	1818-5028
U55	1820-5987	1	IC CNTR TTL/F BIN ASYNCHRO NEG-EDGE-TRIG	28480	1820-5987
U56	5181-5566	1	IC SKT ASSY	28480	5181-5566
U57	1820-3963	1	IC ENCDR TTL/F PRIORITY 8-TO-3-LINE	28480	1820-3963
U58	1820-3439	1	IC MUXR/DATA-SEL TTL/ALS 4-TO-1-LINE	28480	1820-3439

*\*Indicates factory-selected value*

**HP Part Number 08712-60002**  
**CPU (continued)**

Reference Designator	HP Part Number	Qty	Description	Mfr Code	Mfr Part Number
U59	1820-3439	1	IC MUXR/DATA-SEL TTL/ALS 4-TO-1-LINE	28480	1820-3439
U60	1820-3145	1	IC DRVR TTL/ALS BUS OCTL	28480	1820-3145
U61	1818-4805	1	DRAM 1MX4 80 NS P-ZIP FST-PG-M 5V	28480	1818-4805
U62	1818-4805	1	DRAM 1MX4 80 NS P-ZIP FST-PG-M 5V	28480	1818-4805
U63	1818-4805	1	DRAM 1MX4 80 NS P-ZIP FST-PG-M 5V	28480	1818-4805
U64	1818-4805	1	DRAM 1MX4 80 NS P-ZIP FST-PG-M 5V	28480	1818-4805
U65	1818-4805	1	DRAM 1MX4 80 NS P-ZIP FST-PG-M 5V	28480	1818-4805
U66	1818-4805	1	DRAM 1MX4 80 NS P-ZIP FST-PG-M 5V	28480	1818-4805
U67	1818-4805	1	DRAM 1MX4 80 NS P-ZIP FST-PG-M 5V	28480	1818-4805
U68	1818-4805	1	DRAM 1MX4 80 NS P-ZIP FST-PG-M 5V	28480	1818-4805
U69	1820-3121	1	IC TRANSCEIVER TTL/ALS BUS OCTL	28480	1820-3121
U70	1818-4693	1	IC 256K-BIT SRAM 25-NS CMOS	28480	1818-4693
U71	1820-3104	1	IC SHF-RGTR TTL/ALS MULTI-MODE	28480	1820-3104
U72	1820-3104	1	IC SHF-RGTR TTL/ALS MULTI-MODE	28480	1820-3104
U73	08711-80037	1	PAL-U73 IC PRGM	28480	08711-80037
U74	1820-3438	1	IC MUXR/DATA-SEL TTL/ALS 2-TO-1-LINE	28480	1820-3438
U75	1820-3438	1	IC MUXR/DATA-SEL TTL/ALS 2-TO-1-LINE	28480	1820-3438
U76	1820-3121	1	IC TRANSCEIVER TTL/ALS BUS OCTL	28480	1820-3121
U77	1820-3121	1	IC TRANSCEIVER TTL/ALS BUS OCTL	28480	1820-3121
U78	1818-5028	1	IC 2M-BIT FLASH 150-NS CMOS	28480	1818-5028
U79	1818-5028	1	IC 2M-BIT FLASH 150-NS CMOS	28480	1818-5028
U80	1818-5028	1	IC 2M-BIT FLASH 150-NS CMOS	28480	1818-5028
U81	1818-5028	1	IC 2M-BIT FLASH 150-NS CMOS	28480	1818-5028
U82	08712-80005	1	EPROM U82	28480	08712-80005
U83	1818-5697	1	IC 4M-BIT SRAM 85-NS CMOS	28480	1818-5697
U84	1820-3121	1	IC TRANSCEIVER TTL/ALS BUS OCTL	28480	1820-3121
U85	1820-3121	1	IC TRANSCEIVER TTL/ALS BUS OCTL	28480	1820-3121
U86	1820-3439	1	IC MUXR/DATA-SEL TTL/ALS 4-TO-1-LINE	28480	1820-3439
U87	1820-2634	1	IC INV TTL/ALS HEX	28480	1820-2634
U88	1820-3439	1	IC MUXR/DATA-SEL TTL/ALS 4-TO-1-LINE	28480	1820-3439
U89	1820-3145	1	IC DRVR TTL/ALS BUS OCTL	28480	1820-3145
U90	1820-2684	1	IC GATE TTL/F NAND QUAD 2-INP	28480	1820-2684
U91	1820-3225	1	IC MUXR/DATA-SEL TTL/F 8-TO-1-LINE	28480	1820-3225
U92	1820-3225	1	IC MUXR/DATA-SEL TTL/F 8-TO-1-LINE	28480	1820-3225
U93	1820-3121	1	IC TRANSCEIVER TTL/ALS BUS OCTL	28480	1820-3121

**HP Part Number 08712-60002**  
**CPU (continued)**

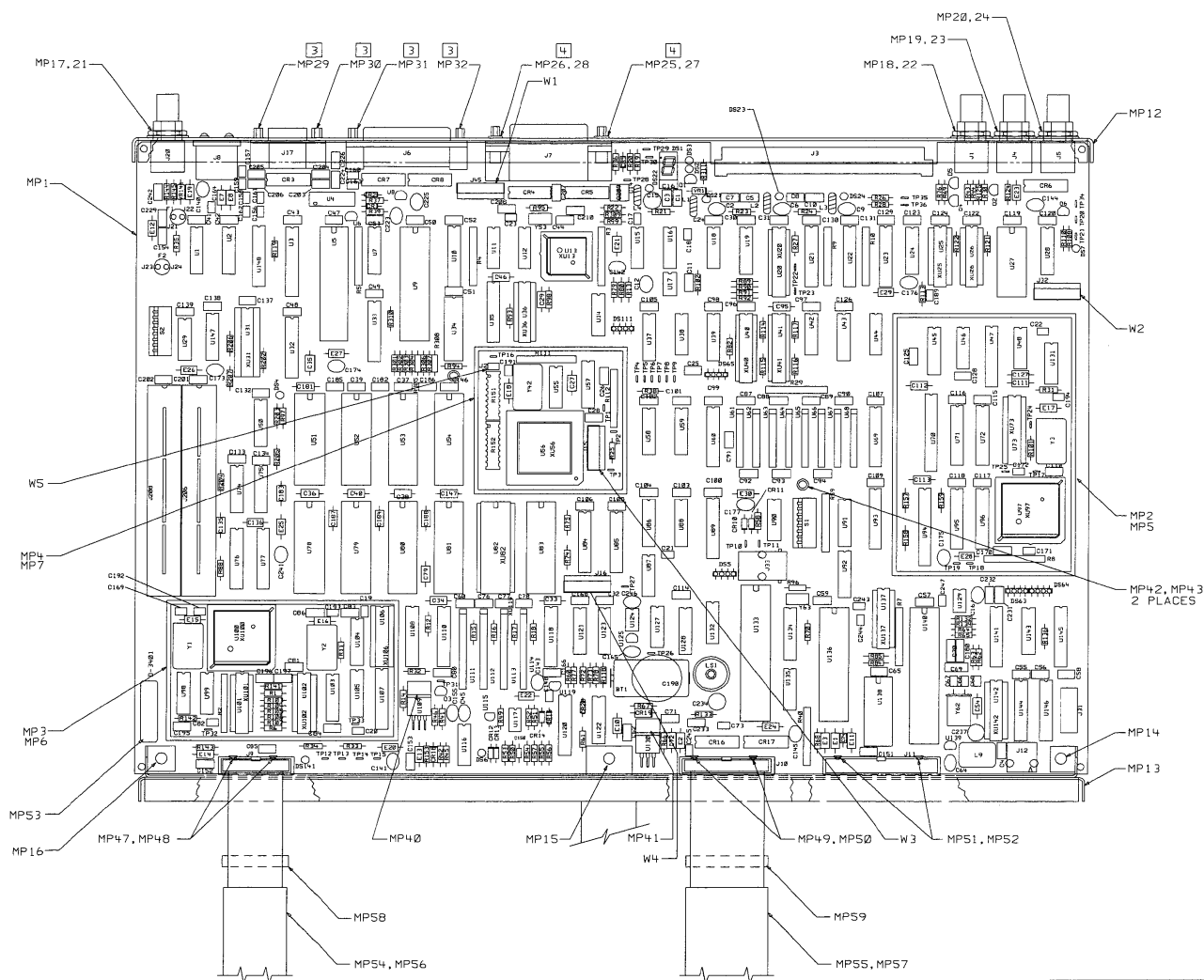
Reference Designator	HP Part Number	Qty	Description	Mfr Code	Mfr Part Number
U94	1818-4693	1	IC 256K-BIT SRAM 25-NS CMOS	28480	1818-4693
U95	1820-3104	1	IC SHF-RGTR TTL/ALS MULTI-MODE	28480	1820-3104
U96	1820-3104	1	IC SHF-RGTR TTL/ALS MULTI-MODE	28480	1820-3104
U97	1820-6223	1	IC-100NS CYCLE TIME;4K ON-CHIP ROM/EPROM	28480	1820-6223
U98	1820-2684	1	IC GATE TTL/F NAND QUAD 2-INP	28480	1820-2684
U99	1820-5869	1	IC GATE CMOS/ACT NAND QUAD 2-INP	28480	1820-5869
U100	1820-6081	1	IC-32-BIT GRAPHICS SYSTEM PROCESSOR	28480	1820-6081
U101	08711-80015	1	PAL-U101 IC PRGM	28480	08711-80015
U102	08711-80016	1	PAL-U102 IC PRGM	28480	08711-80016
U103	1820-2696	1	IC FF TTL/F D-TYPE POS-EDGE-TRIG COM CLK	28480	1820-2696
U104	1820-3225	1	IC MUXR/DATA-SEL TTL/F 8-TO-1-LINE	28480	1820-3225
U105	1820-3225	1	IC MUXR/DATA-SEL TTL/F 8-TO-1-LINE	28480	1820-3225
U106	08711-80020	1	PAL-U106 IC PRGM	28480	08711-80020
U107	1820-3378	1	IC LCH TTL/ALS TRANSPARENT OCTL	28480	1820-3378
U108	1820-3378	1	IC LCH TTL/ALS TRANSPARENT OCTL	28480	1820-3378
U109	1826-0393	1	IC PWR MGT-V-REG-ADJ-POS 1.2/37V 3 PINS	28480	1826-0393
U110	1820-3378	1	IC LCH TTL/ALS TRANSPARENT OCTL	28480	1820-3378
U111	08711-80036	1	LTB 1818-4669	28480	08711-80036
U112	08711-80036	1	LTB 1818-4669	28480	08711-80036
U113	08711-80036	1	LTB 1818-4669	28480	08711-80036
U114	08711-80036	1	LTB 1818-4669	28480	08711-80036
U115	1826-0910	1	IC PWR MGT-V-REG-FXD-POS 2.44/2.54V	28480	1826-0910
U116	1820-3376	1	IC INV TTL/ALS HEX	28480	1820-3376
U117	1826-0962	1	IC OP AMP LOW-BIAS-H-IMPD DUAL 8 PIN	28480	1826-0962
U118	1820-3145	1	IC DRVR TTL/ALS BUS OCTL	28480	1820-3145
U119	1826-1816	1	IC TEMP XDCR 3 PIN TO-92	28480	1826-1816
U120	1826-1248	1	A/D 8-BIT 20-PLASTIC CMOS	28480	1826-1248
U121	1820-1729	1	IC LCH TTL/LS ADDRESSABLE 8-BIT	28480	1820-1729
U122	1820-1729	1	IC LCH TTL/LS ADDRESSABLE 8-BIT	28480	1820-1729
U123	1820-3100	1	IC DCDR-DEMUXR TTL/ALS BIN 3-TO-8-LINE	28480	1820-3100
U124	1820-5497	1	IC-NONVOLATILE MEMORY CONTROLLER	28480	1820-5497
U125	1826-0276	1	IC PWR MGT-V-REG-FXD-POS 4.8/5.2V TO-92	28480	1826-0276
U127	1820-5987	1	IC CNTR TTL/F BIN ASYNCHRO NEG-EDGE-TRIG	28480	1820-5987
U128	1820-3100	1	IC DCDR-DEMUXR TTL/ALS BIN 3-TO-8-LINE	28480	1820-3100
U129	1826-0682	1	IC AUDIO AMPL PWR 8 PIN DIP-P	28480	1826-0682

*\*Indicates factory-selected value*

**HP Part Number 08712-60002**  
**CPU (continued)**

Reference Designator	HP Part Number	Qty	Description	Mfr Code	Mfr Part Number
U130	1826-0527	1	IC PWR MGT-V-REG-ADJ-NEG 1.2/37V 3 PINS	28480	1826-0527
U131	1820-2488	1	IC FF TTL/ALS D-TYPE POS-EDGE-TRIG	28480	1820-2488
U132	1820-2635	1	IC GATE TTL/ALS AND QUAD 2-INP	28480	1820-2635
U133	1820-4581	1	IC-MULTI-FUNCTION PERIPHERAL W/USART	28480	1820-4581
U134	1820-5384	1	IC-INTERFACE CMOS -888-BIT	28480	1820-5384
U135	1820-2657	1	IC GATE TTL/ALS OR QUAD 2-INP	28480	1820-2657
U136	08753-80011	1	EPROM-FRONT PNL	28480	08753-80011
U138	1820-2177	1	IC-INPUT/OUTPUT EXPANDER	28480	1820-2177
U139	1826-0276	1	IC PWR MGT-V-REG-FXD-POS 4.8/5.2V TO-92	28480	1826-0276
U140	1820-6980	1	IC-FLOPPY DISK CONTROLLER PLUS-2	28480	1820-6980
U141	1820-3121	1	IC TRANSCEIVER TTL/ALS BUS OCTL	28480	1820-3121
U143	1820-3593	1	IC-INTERFACE MISC-DGTL BIPOLAR -888-BIT	28480	1820-3593
U144	1820-3318	1	IC FF TTL/ALS D-TYPE POS-EDGE-TRIG COM	28480	1820-3318
U145	1820-3378	1	IC LCH TTL/ALS TRANSPARENT OCTL	28480	1820-3378
U147	1820-3225	1	IC MUXR/DATA-SEL TTL/F 8-TO-1-LINE	28480	1820-3225
U148	1820-3145	1	IC DRVR TTL/ALS BUS OCTL	28480	1820-3145
VR1	0837-0242	1	VOLTAGE SUPPRESSOR VR=6V VC=10.3V AT	28480	0837-0242
VR141	0837-0271	1	VOLTAGE SUPPRESSOR VR=15.3V; VC=25.2V @	28480	0837-0271
W1	1258-0218	1	JUMPER 16 GOLD PLTD PHOSPHOR BRONZE	03206	69145-216
W2	1258-0218	1	JUMPER 16 GOLD PLTD PHOSPHOR BRONZE	03206	69145-216
W3	1258-0218	1	JUMPER 16 GOLD PLTD PHOSPHOR BRONZE	03206	69145-216
W4	1258-0218	1	JUMPER 16 GOLD PLTD PHOSPHOR BRONZE	03206	69145-216
W5	1258-0141	1	JUMPER-REMOVABLE FOR 0.025 IN SQ PINS	01380	530153-2
XU13	1200-1296	1	SOCKET-IC-CHP-CARR 44-CONT SQUARE	28480	1200-1296
XU97	1200-1274	1	SOCKET-IC-CHP-CARR 68-CONT SQUARE	28480	1200-1274
XU100	1200-1274	1	SOCKET-IC-CHP-CARR 68-CONT SQUARE	28480	1200-1274
Y1	1813-0852	1	CLK-OSC-XTAL STD 50.0-MHZ 0.01%	28480	1813-0852
Y2	1813-0839	1	CLK-OSC-XTAL STD 33.33-MHZ 0.01%	28480	1813-0839
Y3	1813-0558	1	CLK-OSC-XTAL STD 40.0-MHZ 0.10%	28480	1813-0558
Y42	1813-0143	1	CLK-OSC-XTAL STD 19.6608-MHZ 0.05%	28480	1813-0143
Y53	0410-2318	1	RESONATOR-CERAMIC 12.0MHZ;TOL. +-0.5%	28480	0410-2318
Y62	0410-2088	1	CRYSTAL-QUARTZ 24.000 MHZ HC-49/U-HLDR	28480	0410-2088
Y63	0410-1853	1	RESONATOR-CERAMIC 8.0MHZ;FREQ TOL:+-0.3%	28480	0410-1853

SYM		REVISIONS	APPROVED	DATE
C	CHANGED PER PCO 53-08731 /GH			04-04-95



# NOTES: NOTES: UNLESS OTHERWISE SPECIFIED

- DO NOT LOAD C190, D55, J31, J33, R13, R38, R73, R74, R79, R84, R118, R158, TP10, TP11, U142, U146, R31, R90, R92.
- U137 IS ONLY LOADED FOR THE IBASIC OPTION AT FINAL ASSEMBLY.
- DISCARD NUT AND ALL WASHERS ACCOMPANYING MP29-32. NOT USED IN THIS APPLICATION. TORQUE MP29-32 TO 4LB-IN.
- TORQUE MP25, MP26 TO 3LB-IN.
- RAW BOARD 08711-20002

SEE 08712-60002 MATERIAL LIST

TOP SIDE

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XX.XX ±.002  
THIRD ANGLE  
PROJECTION  
DO NOT SCALE THIS DRAWING

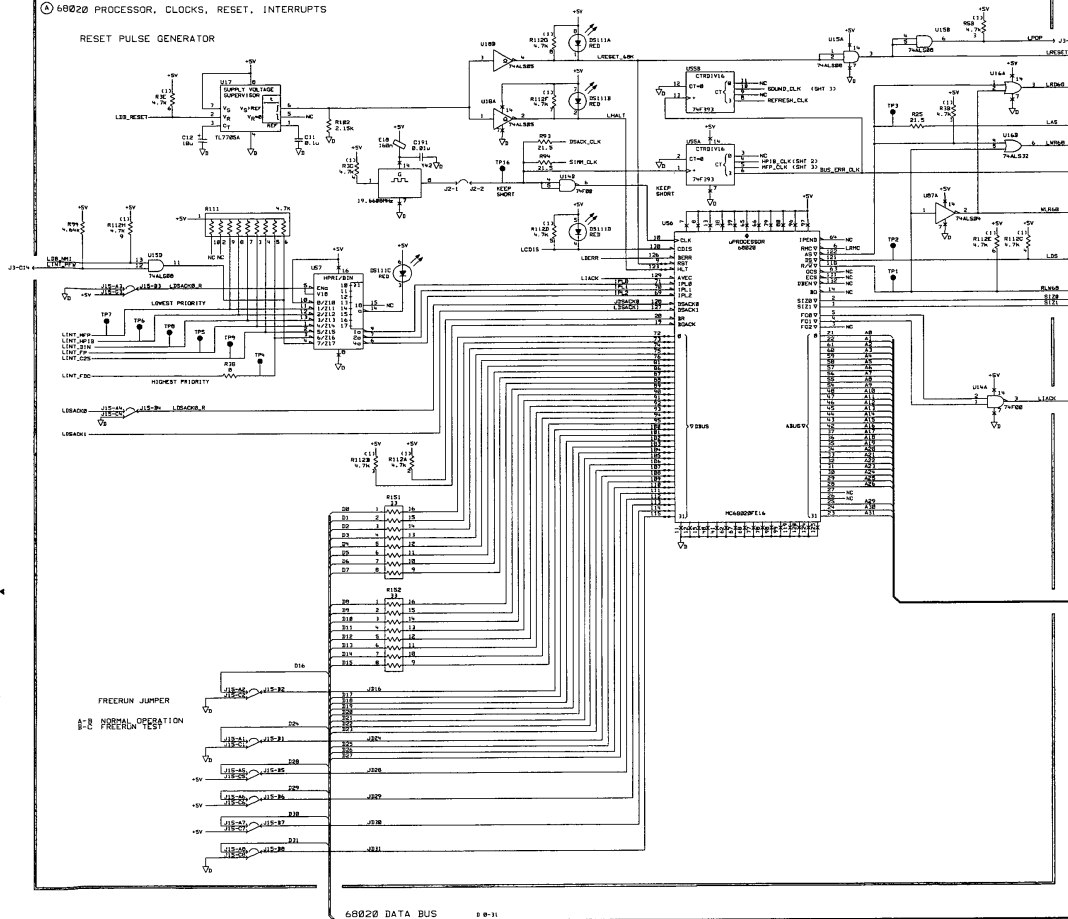
DRAWN BY	04-04-95
DATE	07-29-94
ENGINEER/CHECKER	DATE
RELEASE TO PROD.	DATE
D-2 REV-B	03-02-95
SUPERSEDES DMC	

ASSEMBLY, PWB  
CPU

0101002	0101002
SCALE	FULL
SHEET 1 OF 2	08712-60002
PART NUMBER	PART NUMBER
D-08712-60002-2	

# 68020 PROCESSOR, CLOCKS, RESET, INTERRUPTS

## RESET PULSE GENERATOR

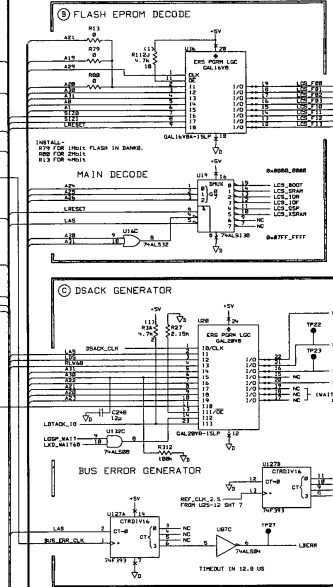


NOTES: UNLESS OTHERWISE SPECIFIED

1. THESE PARTS NOT LOADED THIS ASSEMBLY:

C190, D55, J31, J33,  
R13, R38, R73, R74, R79, R84, R90, R92  
R118, R158, R159, TP10, TP11, U146, R31

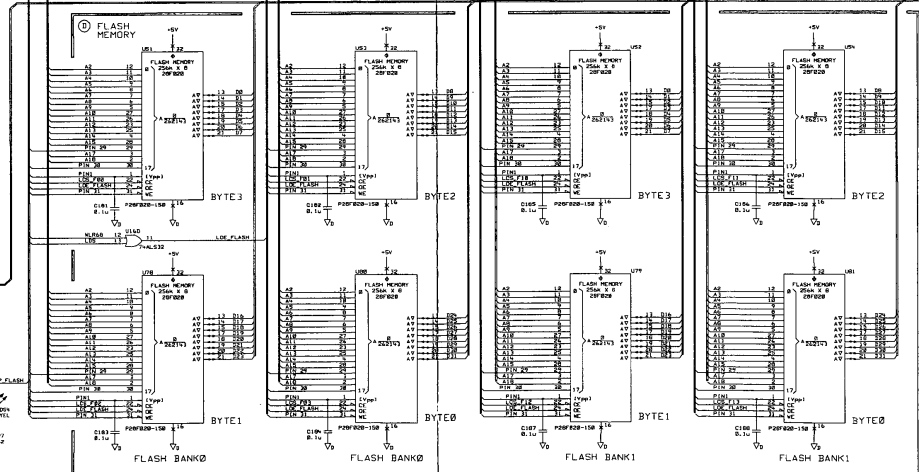
## 68020 CONTROL BUS



## 68020 ADDRESS BUS

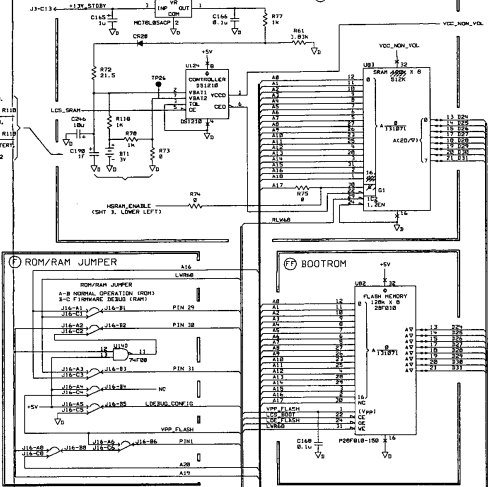
## 68020 CONTROL BUS

## 68020 DATA BUS



5300 CD3401		D-08712-60002-1	
SYN	REVISIONS	APPROVED	DATE
C	REVISED AND REDRAWN PER PCO		04-04-95
	53-08731	/DH	

## NON-VOLATILE RAM



## 68020 ADDRESS BUS

## 68020 CONTROL BUS

## 68020 DATA BUS

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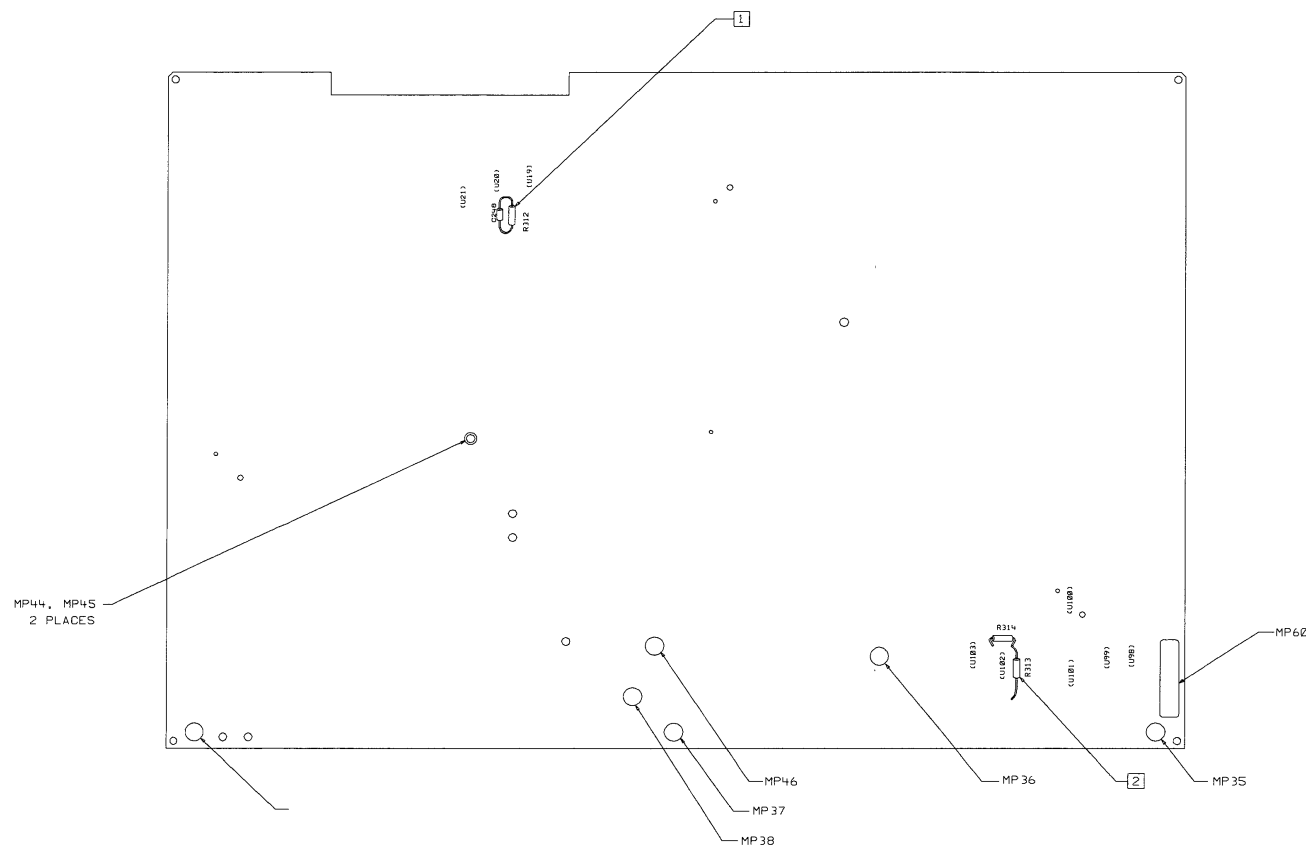
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ENGINEER/CHECKER	DATE	CPU	SCALE NONE	
RELEASE TO PROD.	DATE		SHEET 1 OF 8	08712-60002
SUPPRESSED DWG.		TITLE	PART NUMBER	D-08712-60002-1



5300		D-08712-60002-2	
SYM	REVISIONS	APPROVED	DATE
C	CHANGED PER PCO 53-08731 /GH		04-04-95

NOTES: NOTES: UNLESS OTHERWISE SPECIFIED

- 1 ADD RESISTOR R312 FROM PIN 6 TO PIN 12 OF U20.  
ADD CAPACITOR C248 FROM PIN 6 TO PIN 12 OF U20.
- 2 ADD RESISTOR R313 FROM PIN 1 TO PIN 10 OF U102.  
ADD RESISTOR R314 FROM PIN 1 TO PIN 20 OF U102.



BOTTOM SIDE

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XX.XX ±.02  
THIRD ANGLE  
PROJECTION  
DO NOT SCALE THIS DRAWING

DRAWN BY	04-04-95
DATE	07-29-94
ENGINEER/CHECKER	DATE
RELEASE TO PROD.	DATE
D-2 REV-B	03-02-95
SUPERSEDES ENG.	

ASSEMBLY, PWB  
CPU

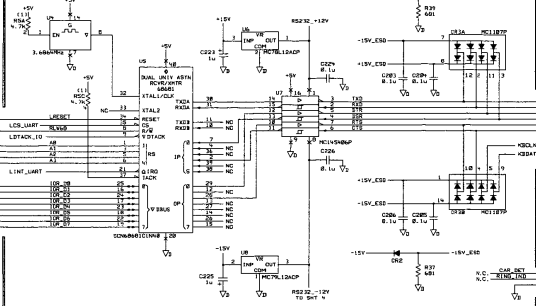
SCALE	NONE	HEWLETT PACKARD
SHEET 2 OF 2	08712-60002	PART NUMBER
D-08712-60002-2		

68020 CONTROL BUS  
68020 ADDRESS BUS + #18  
IOR LOCAL BUS + #7

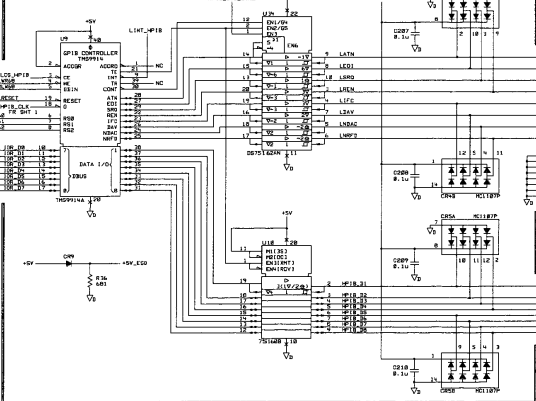
68020 CONTROL BUS  
68020 ADDRESS BUS  
IOR LOCAL BUS

5300	CD3401	D-08712-60002-1
SYM	REVISIONS	APPROVED
C	REVISED AND REDRAWN PER PCH	DATE
53-08731	/GH	04-04-95

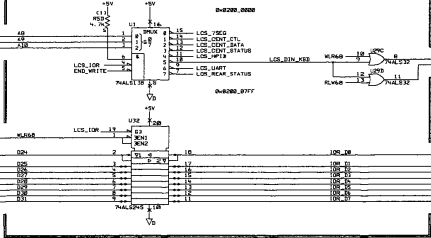
### RS-232 INTERFACE



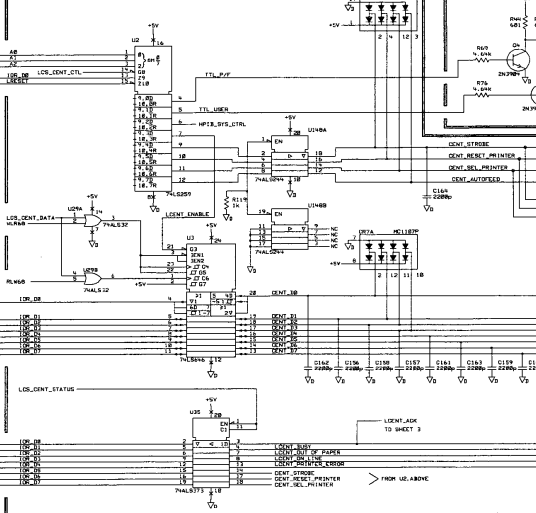
### HP-IB INTERFACE



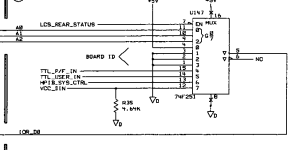
### REAR PANEL DECODE AND DATA BUFFER



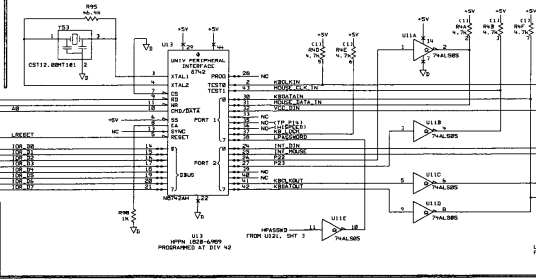
### PARALLEL INTERFACE (CENTRONICS)



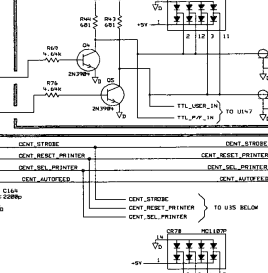
### STATUS READ BUFFER



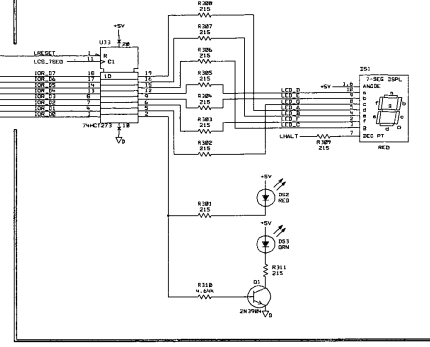
### DIN KEYBOARD INTERFACE



### TTL I/O



### SELF TESTS RESULT



DATA BUS

DATA BUS

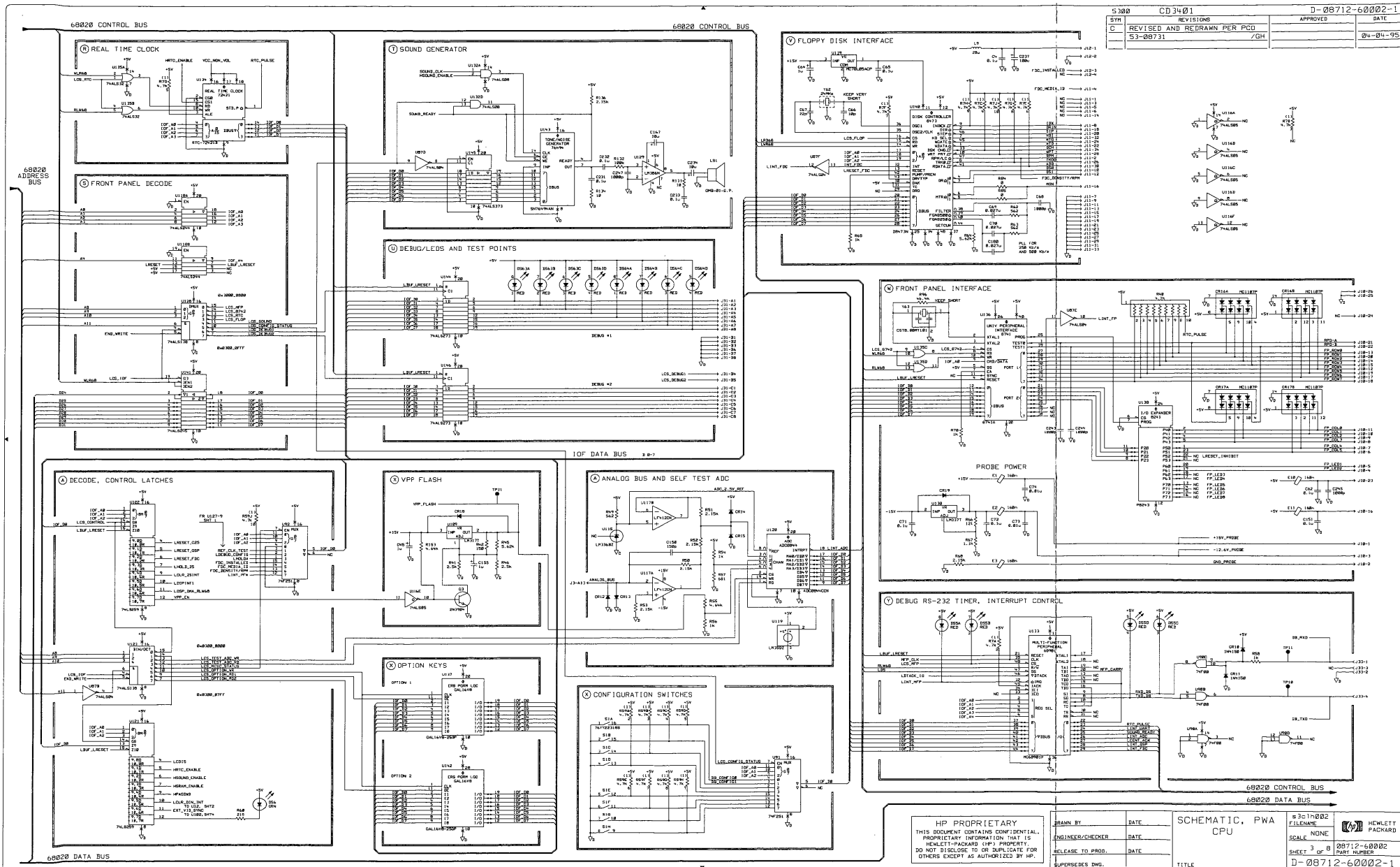
68000 DATA BUS

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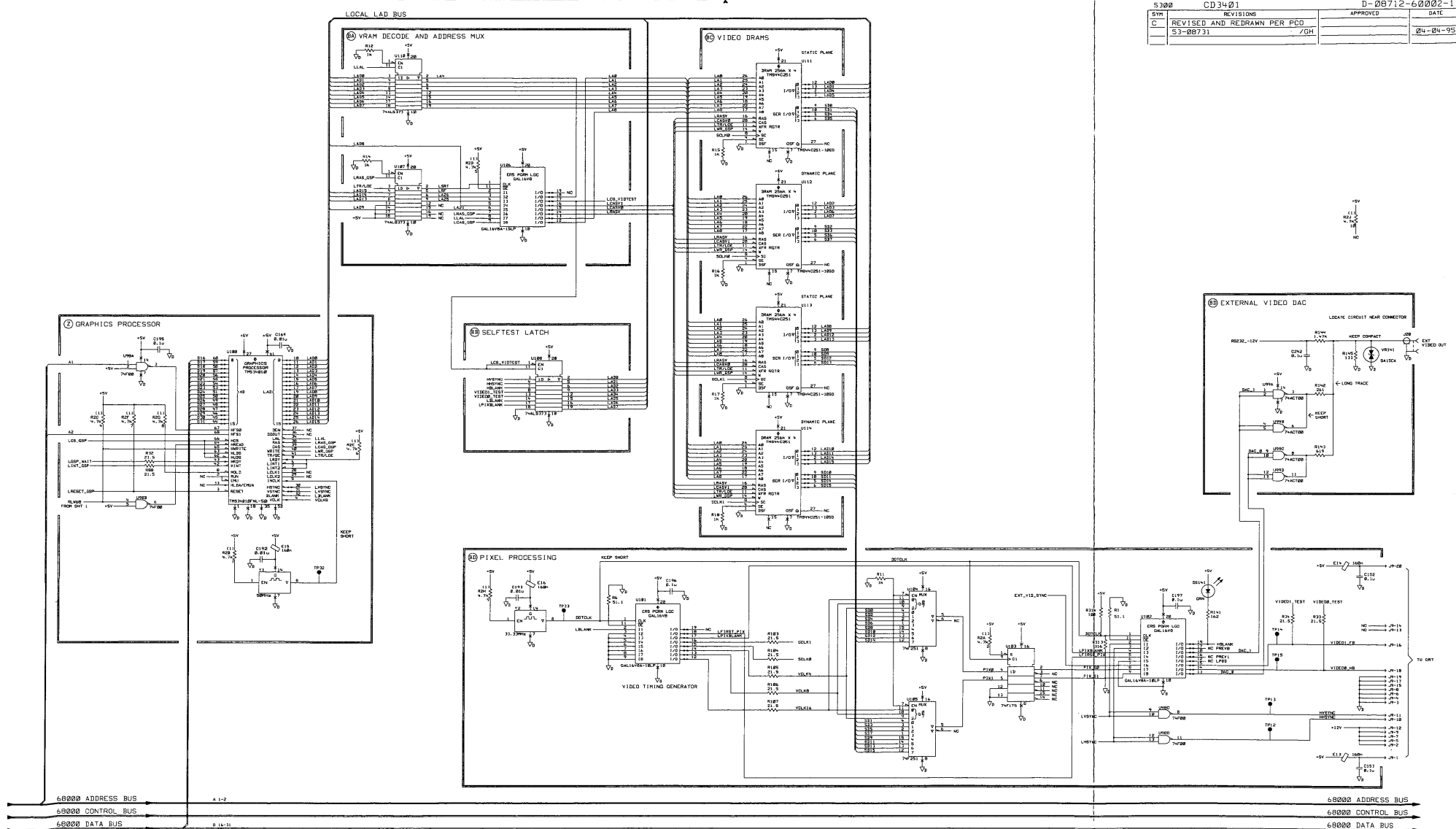
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RELEASE TO PROD.  
SUPERSEDES DWG.

SCHEMATIC, PWA  
CPU  
TITLE

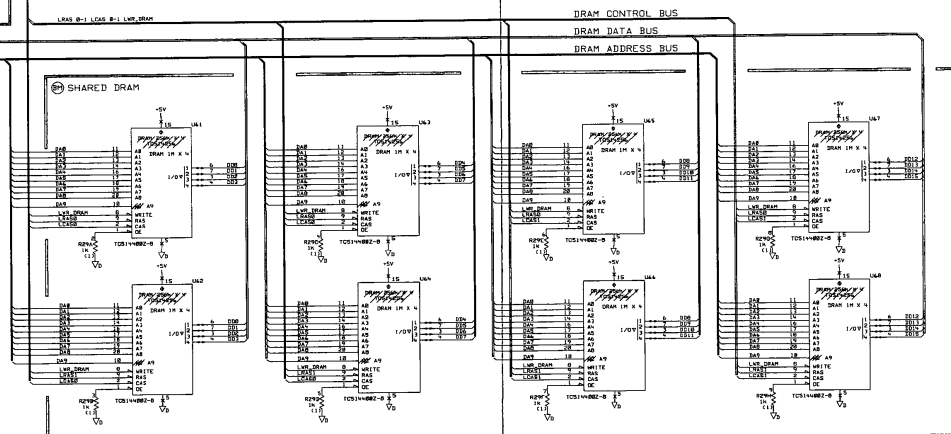
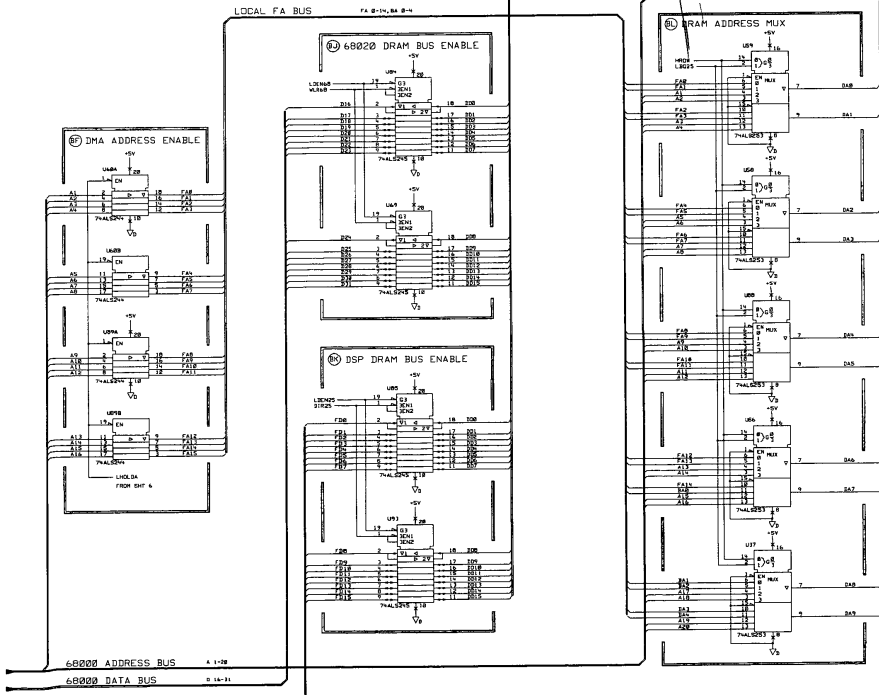
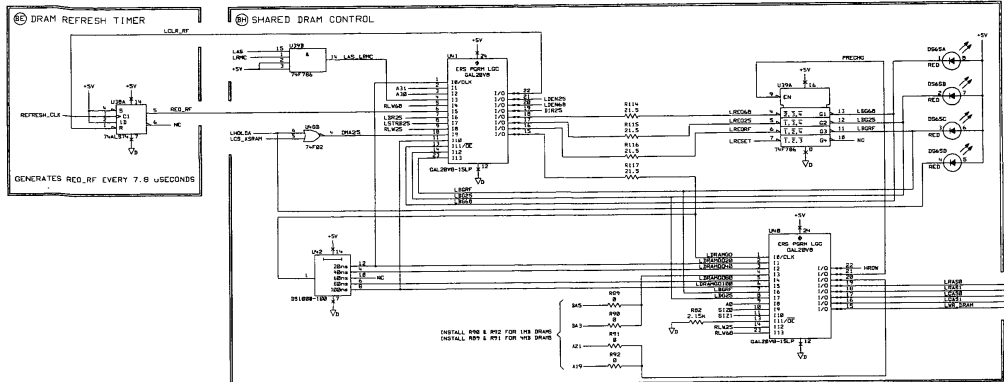
s2c1h002  
FILENAME  
SCALE NONE  
SHEET 2 of 8  
D-08712-60002-1  
HEWLETT  
PACKARD  
PART NUMBER



5300		CD3401	D-08712-60002-1	
SYM	REVISIONS		APPROVED	DATE
C	REVISED AND REDRAWN PER PCO			
	53-08731 /GH			04-04-95



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	TITLE				
	11/11				
	11/11				



LOCAL FD BUS

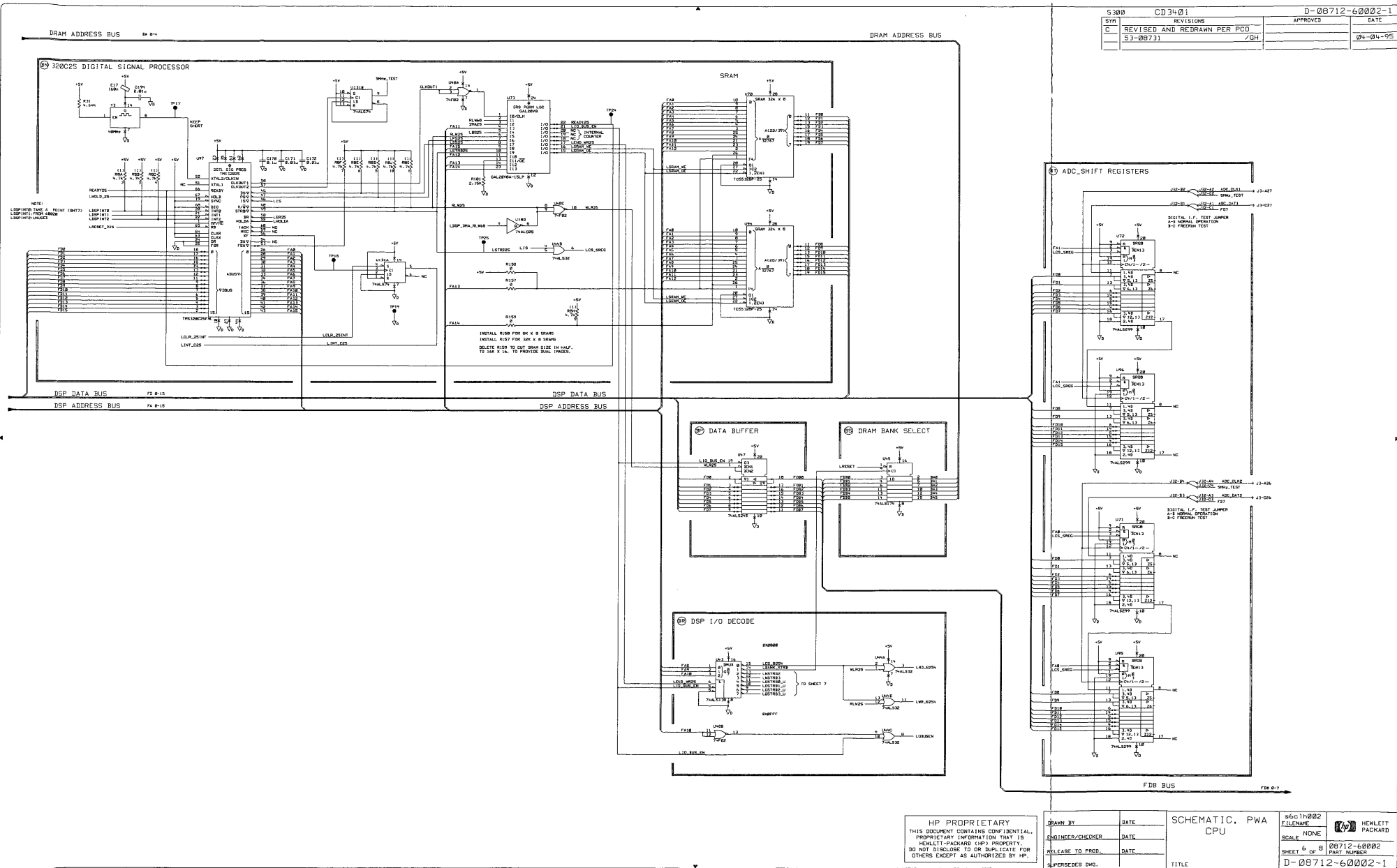
5300	CD 3401	D-08712-60002-1
REV	REVISED AND REDRAWN PER PCO	APPROVED
53-08731	7/04	DATE
		04-04-95

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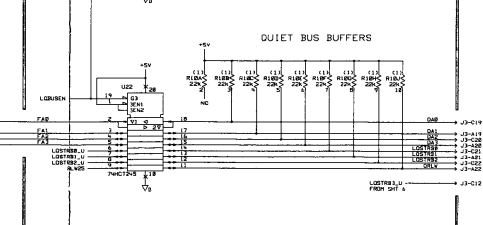
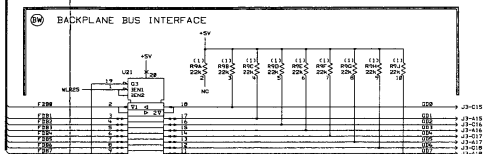
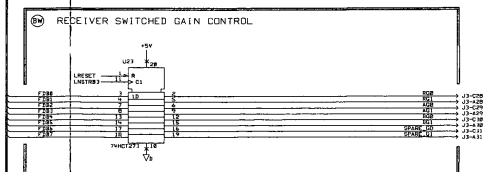
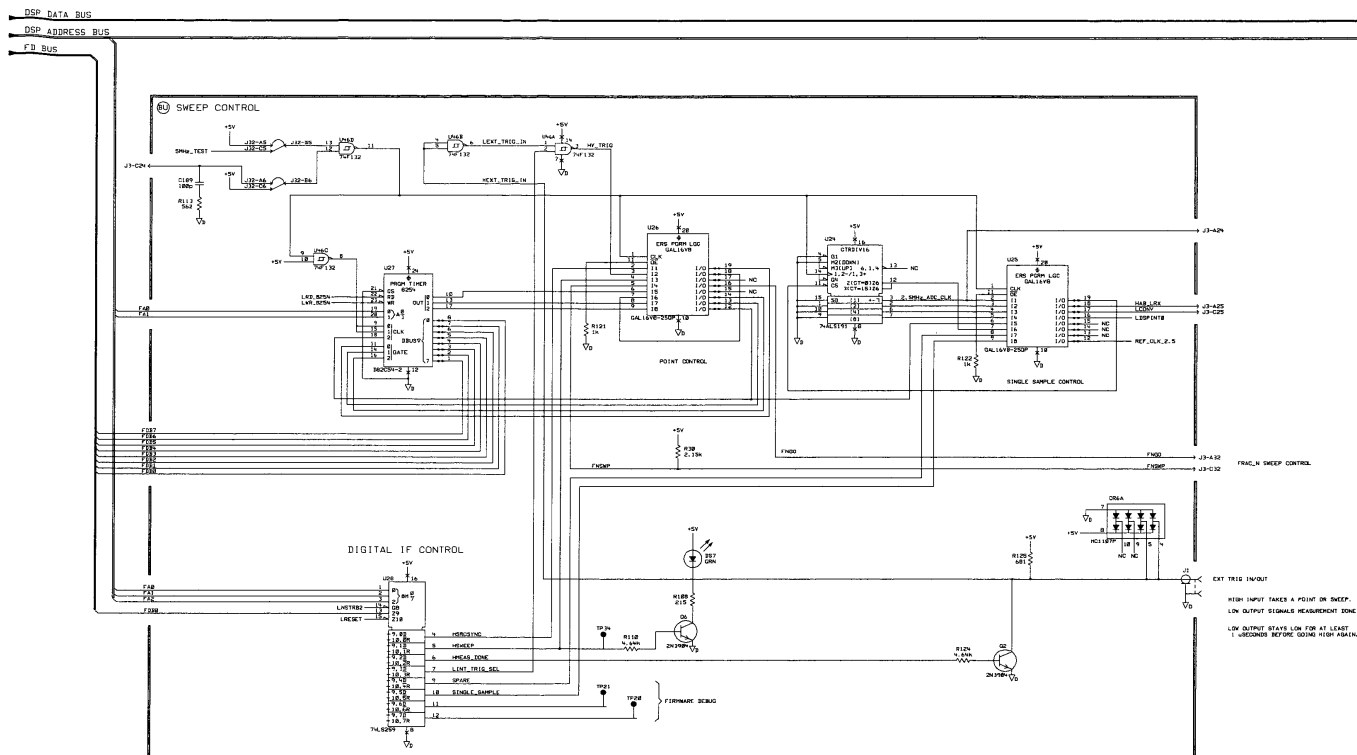
DRAWN BY	DATE
ENGINEER/CHECKER	DATE
RELEASE TO PROD.	DATE
SUPERSEDES DWG.	

SCHMATIC, PWA	FILE NO.
CPU	SCALE NONE
	SHEET 5 OF 8
	08712-60002
	PART NUMBER
	D-08712-60002-1

HEWLETT  
PACKARD



5300		CD3401	D-08712-60002-1	
SYN	REVISIONS		APPROVED	DATE
C	REVISED AND REDRAWN PER PC0			
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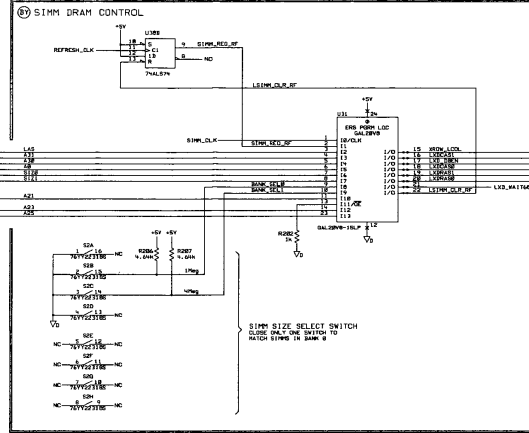
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ENGINEER/CHECKER: DATE:  
RELEASE TO PROD.: DATE:  
SUPERSEDES DWG.

SCHEMATIC, PWA  
CPU  
TITLE

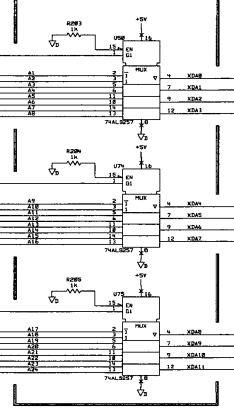
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SHEET 7 of 8  
D-08712-60002  
PART NUMBER  
D-08712-60002-1



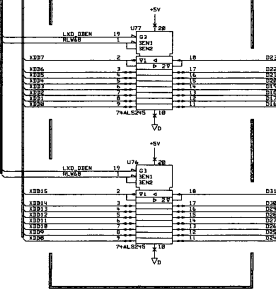
68020 DATA BUS  
68020 ADDRESS BUS  
68020 CONTROL BUS



SIMM DRAM ADDRESS MUXING

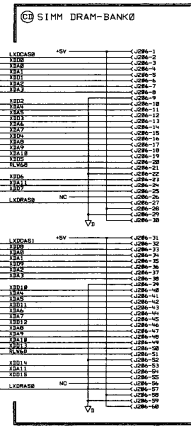


SIMM DRAM DATA ENABLE

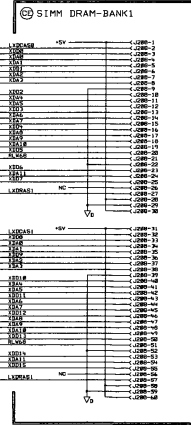


LOCAL DRAM CONTROL BUS  
LOCAL DRAM ADDRESS BUS  
LOCAL DRAM DATA BUS

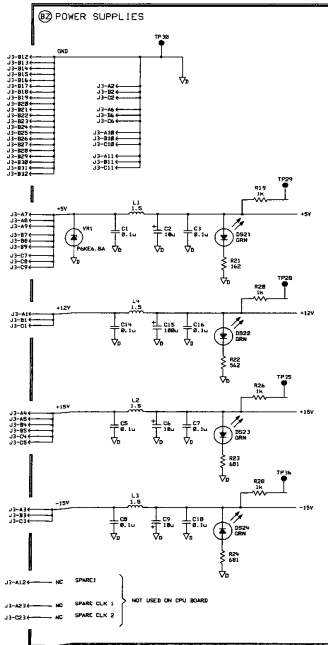
5300		CD3401		D-08712-60002-1	
SYN		REVISIONS		APPROVED	
C		REVISED AND REDRAWN PER PCO		DATE	
		53-08731 /GH		04-04-95	



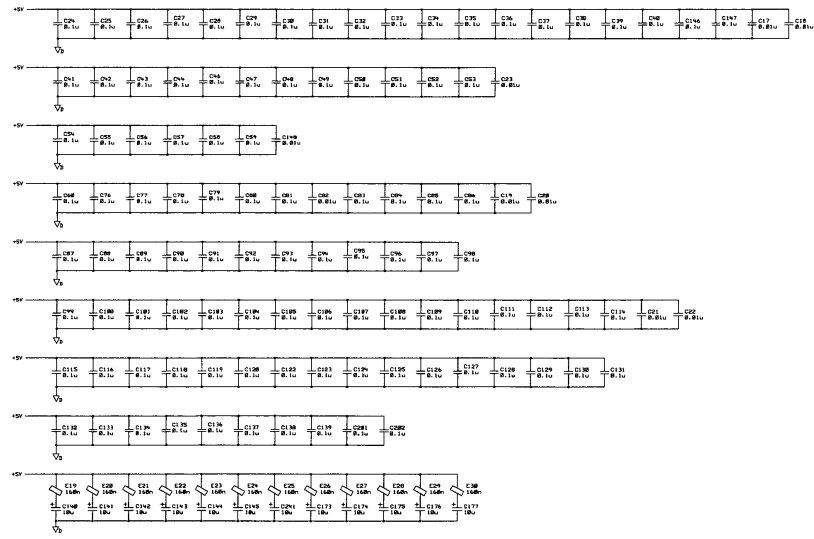
INSTALL EQUAL SIZED SIMMS  
IN EACH BANK.  
FILL BANK0 FIRST USING  
LARGEST SIZE SIMMS.  
SET SWITCH S2 TO MATCH BANK0.  
LOAD WITH 1818-5337 SIMMS  
FOR BASIC OPTION  
(1818-5337 IS NOT SUPPORTED)



FILL BANK1 LAST.  
USE SIMMS OF EQUAL OR SMALLER  
SIZE THAN THOSE IN BANK0.



DECOUPLING



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DRAWN BY	DATE	SCHMATIC, PWA	0801002
ENGINEER/CHECKER	DATE	CPU	FILENAME
RELEASE TO PROD.	DATE		SCALE NONE
SUPERSEDES DWG.		TITLE	SHEET 8 OF 8
			08712-60002
			PART NUMBER
			D-08712-60002-1