

Replacement Part Cross Reference

When selecting replacement parts for your HP products, you may notice that many manuals list only an HP part number for the part, even though it appears that this part is manufactured by one of the large semiconductor manufacturers. Service personnel often ask why only HP part numbers are listed.

It is recommended that HP replacement parts be used to ensure that the original performance of the product will be obtained. While some parts used in HP instruments are identical to that which can be purchased at a local electronics distributor, many times parts will be selected for certain characteristics, such as gain, bandwidth, capaci-

tance, etc. There may also be slight mechanical differences, such as the shaping or length of leads. In some cases special quality checks are employed to ensure that high reliability parts are used at the factory and at HP field offices.

Therefore, we suggest obtaining replacement parts from HP to maintain the quality that you have paid for in your instrument. There may be situations however where HP replacement parts are not in stock and substituting parts will allow you to return the product to service immediately. In these cases it may be worthwhile to see if a substitute part will work in the circuit. Perhaps an HP part could be ordered and installed at some later date.

To help you in these situations, here's a cross-reference of HP integrated circuit part numbers to manufacturers "generic type" part numbers (whom in most cases is the originator of the part). Even though the cross-reference only lists one manufacturer, there may actually be several approved sources for an HP part. While every attempt was made to ensure the accuracy of the list, it is advisable to compare the description of the device being replaced with the description of the substituted part. For example, if the service manual describes the device being replaced as a "dual J-K flip-flop", check this against the description of the replacement part.

See page 14 for manufacturers.

HP P/N	Mfr.	Desc.						
0960-0631	03285	DAC16QM/C-B	1813-0153	03795	K1135B	1816-0041	04092	63S140J PROGRAMMED
0960-0632	03285	DAC12QS/C-B	1813-0160	03406	DR003UCD	1816-0053	03714	IM5600CPE PROGRAMMED
1813-0013	03285	40K	1813-0168	08661	7516	1816-0129	04092	63S140J
1813-0016	05436	3112/12C	1813-0211	02037	MWA110	1816-0217	03714	IM5610CPE
1813-0034	03714	IH5010CPD	1813-0212	02037	MWA130	1816-0348	04092	6330-1J
1813-0036	03755	DAC372-12-BCD	1813-0213	02037	MWA130	1816-0355	04078	MK2302P
1813-0039	02882	ZD441	1813-0214	02037	MWA210	1816-0409	03799	HPROM-8256-5D
1813-0040	02882	ZD440	1813-0215	02037	MWA220	1816-0439	04092	6340-1J
1813-0041	03406	LH0042CH	1813-0216	02037	MWA230	1816-0598	01698	SN74S200N
1813-0048	03285	751N	1813-0217	02037	MWA310	1816-0605	02910	N82S115F
1813-0049	02763	2740CE	1813-0218	02037	MWA320	1816-0640	04092	6561J
1813-0054	03406	AH0154D	1813-0219	02037	MWA330	1816-0710	03799	HM1-7621-5
1813-0057	03406	LH0024CH	1813-0232	03285	AD545J	1816-0723	02237	93L415PC
1813-0058	03406	LH0021CK	1813-0251	05436	DAC71-CSB-I	1816-0724	01698	SN74S189N
1813-0082	00046	PIC646	1813-0257	03285	AD574KD	1816-0728	02910	N82S09P
1813-0083	00046	PIC601	1813-0264	05436	ADC80AGZ-12(PER HP DWG)	1816-0782	03799	HM1-7611-5
1813-0084	00046	PIC611	1813-0283	05436	DAC71-CSB-V	1816-0787	01698	SN74S289N
1813-0092	05436	DAC80-CCD-V	1813-0310	04077	CH1710-01	1816-0860	02037	MCM5004L
1813-0093	02237	UA78H12SC	1813-0311	04077	CH1720-01	1816-0868	03811	P3604L-6 MASKED
1813-0098	05436	ADC80AG-12	1813-0312	04077	CH1730-01	1816-0902	03794	AM27LS00PC
1813-0100	02237	UA78H05SC	1813-0313	04077	CH1740-01	1816-0913	03794	AM31101PC
1813-0105	06861	DAC80-CBI-V	1813-0315	03291	GPD-1003	1816-0914	02237	93415DC
1813-0109	00046	PIC625	1813-0316	03291	UTO-507	1816-0915	03799	HM1-7602-5
1813-0110	00046	PIC626	1813-0317	03291	UTO-561	1816-0916	03799	HM1-7603-5
1813-0114	02598	PIC645	1813-0318	03291	GPD-410	1816-0917	03799	HM1-7610-5
1813-0115	00046	PIC600	1813-0319	03291	GPD-420	1816-0918	03799	HM1-7620-5
1813-0123	02237	UA78HGKC	1813-0320	03291	GPD-331	1816-0919	03811	D3624A
1813-0124	02237	UA78H15KC	1813-0321	07397	MPDGM-TTL-35	1816-0928	03799	HM1-7640-5
1813-0127	02237	UA79HGKC	1813-0322	05436	ADC76JG	1816-0929	03799	HM1-7641A-5
1813-0132	06861	MNDACT1CSB-I	1813-0361	02237	UA78P05	1816-0930	03799	HM1-7642-5
1813-0133	02838	7162	1813-0385	03291	GPD-430	1816-0931	03799	HM1-7643-5
1813-0138	02037	MHW592	1813-0410	03755	DAC9377-16-6	1816-0934	02237	9403PC
1813-0140	05436	SDM857KG	1813-0412	07397	MLDL-TTL-10	1816-0987	03799	HM1-7644-5
1813-0142	03285	AD522BD	1813-0413	07397	XTTLDM-60	1816-0993	03811	D3624A-4
1813-0147	04114	DAC-HA1ZDC	1816-0015	03799	HPROM1-1024-53	1816-0994	04092	6335J
1813-0150	03714	ICM72091PA	1816-0016	04092	6331-1J	1816-1008	01698	TBP28S42J

HP P/N	Mfr.	Desc.						
1826-1146	02037	TDA4600	1826-1184	03285	AD578KZD	1826-1220	03799	HA7-2525-5
1826-1147	03291	GPD-321	1826-1185	02180	OP-15EJ	1826-1221	03406	LM311J-8
1826-1148	03406	LF411ACH	1826-1186	02180	SW-06GQ	1826-1222	02037	MC34074AL
1826-1149	02180	OP-07EZ	1826-1188	03285	AD590IH	1826-1223	03406	LM10BLH
1826-1150	02180	OP-227GY	1826-1189	02180	PKD-01EP	1826-1225	03406	LP339M
1826-1151	02180	OP-220GZ	1826-1190	03285	AD7240BQ	1826-1226	03794	AM6112
1826-1152	03406	LM317MP	1826-1191	03285	AD524AD	1826-1227	03406	LM301AJ
1826-1153	06121	SDA6020	1826-1192	02180	OP-215FZ	1826-1229	01698	LM393JG
1826-1154	02037	MC1403AU	1826-1193	02180	DAC88EX	1826-1230	02180	OP-05CZ
1826-1155	02180	DAC210FX	1826-1194	02037	MC14046BAL	1826-1231	03285	AD7528KN
1826-1157	03406	LM120K-15	1826-1195	03285	AD524CD	1826-1232	03285	AD7528JN
1826-1159	03714	IH5042CJE	1826-1196	03285	AD644JH	1826-1233	01590	SP9687DG16
1826-1160	02037	MC1349P	1826-1197	02180	OP-15EZ	1826-1234	03285	AD7226BQ
1826-1161	02883	DG200ABK	1826-1198	03285	AD7581LN	1826-1235	03406	LM385BZ-2.5
1826-1162	03406	LP311N	1826-1199	06338	L296	1826-1236	03794	AM6012APC
1826-1165	02180	OP-14EZ	1826-1201	03406	LM29301-5.0	1826-1237	06916	CX20052A
1826-1166	03406	LM350T	1826-1202	03285	AD7533(SEL)	1826-1238	05436	DAC63
1826-1167	10858	LT1004CZ	1826-1203	03406	LM340LAZ-5	1826-1239	03406	LM299AH
1826-1168	03714	IH-5042CTW	1826-1204	03285	AD7528	1826-1240	03285	AD567JD
1826-1169	03285	AD7541ABQ	1826-1205	02883	DG390CJ	1826-1241	03714	IH6108CPE
1826-1170	03285	AD7545BQ	1826-1206	03406	DAC1006LCD	1826-1242	03755	DAC9331-16-5
1826-1171	02037	MC1436U	1826-1207	02910	HEF4066BT	1826-1243	03793	SG3527AJ
1826-1172	02037	MC3458U	1826-1208	02037	MC34060P	1826-1244	02180	SMP-11EY
1826-1173	02180	MUX24FP	1826-1209	02883	DG180-BA	1826-1245	01698	TL7702A
1826-1174	02180	DAC888FX	1826-1210	01698	TL185CN	1826-1246	03285	AD667AD
1826-1175	02037	MC1733G	1826-1211	03794	AM6148DC	1826-1247	02883	DG243CK
1826-1177	02180	MUX-16-FT	1826-1212	02037	MC1776CD	1826-1248	03406	ADC0844CCN
1826-1178	03799	HA-5320-5	1826-1213	01698	TLC271ACD	1826-1249	10858	LM399AH
1826-1179	02037	LM311H	1826-1214	01698	TLC25L2ACD	1826-1251	03406	LM385BZ-2.5
1826-1180	03406	LF355H	1826-1215	01698	TLC27L2ACD	1826-1252	03799	HI-507A-5
1826-1181	03406	LM340AK-15	1826-1216	10858	LT350AT	1902-0908	03406	LM399H
1826-1182	03285	ADOP-07CH	1826-1217	02180	PKD-01EY	1902-0928	03406	LM329
			1826-1218	02037	MC7824CT	1902-1331	03406	LM329D (SEL)
			1826-1219	03285	AD567KD			