

# **Component-Level Information Packet for 5062-1984 Fast ADC**

**Copyright © 1991 Hewlett-Packard Company**

**All Rights Reserved.  
Reproduction, adaptation, or translation  
without prior written permission  
is prohibited, except as allowed  
under the copyright laws.**

**HP Document Part Number 5958-7054**

**Printed December 1990  
Printed in USA**

**The information contained in this document is subject to change  
without notice.**





**HP Part Number 5062-1984**  
**Fast ADC**

Reference Designation	HP Part Number	C D	Qty	Description	Mfr Code	Mfr Part Number
C1	0180-3831	3	1	CAP-FXD 10uF +-10% 35 V TA	04200	299D106X9035DB1
C2	0160-4084	8	1	CAP-FXD 0.1uF 50 V	02010	SR215C104MAAH
C3	0160-4084	8	1	CAP-FXD 0.1uF 50 V	02010	SR215C104MAAH
C4	0180-3769	6	1	CAP-FXD 6.8uF 35 V TA	04200	299D685X9035DB1
C5	0160-4084	8	1	CAP-FXD 0.1uF 50 V	02010	SR215C104MAAH
C6	0160-3879	7	1	CAP-FXD 0.01uF 100 V	02010	SR201C103MAAH
C7	0180-3769	6	1	CAP-FXD 6.8uF 35 V TA	04200	299D685X9035DB1
C8	0160-4084	8	1	CAP-FXD 0.1uF 50 V	02010	SR215C104MAAH
C9	0160-4084	8	1	CAP-FXD 0.1uF 50 V	02010	SR215C104MAAH
C10	0160-4084	8	1	CAP-FXD 0.1uF 50 V	02010	SR215C104MAAH
C11	0180-3831	3	1	CAP-FXD 10uF +-10% 35 V TA	04200	299D106X9035DB1
C12	0160-4084	8	1	CAP-FXD 0.1uF 50 V	02010	SR215C104MAAH
C13	0160-4084	8	1	CAP-FXD 0.1uF 50 V	02010	SR215C104MAAH
C14	0180-3831	3	1	CAP-FXD 10uF +-10% 35 V TA	04200	299D106X9035DB1
C15	0160-0575	4	1	CAP-FXD 0.047uF 50 V	02010	SR205C473MAAH
C16	0160-0575	4	1	CAP-FXD 0.047uF 50 V	02010	SR205C473MAAH
C17	0160-3879	7	1	CAP-FXD 0.01uF 100 V	02010	SR201C103MAAH
C18	0160-3879	7	1	CAP-FXD 0.01uF 100 V	02010	SR201C103MAAH
C19	0160-0575	4	1	CAP-FXD 0.047uF 50 V	02010	SR205C473MAAH
C20	0160-0575	4	1	CAP-FXD 0.047uF 50 V	02010	SR205C473MAAH
C21	0160-4084	8	1	CAP-FXD 0.1uF 50 V	02010	SR215C104MAAH
C22	0160-4084	8	1	CAP-FXD 0.1uF 50 V	02010	SR215C104MAAH
C23	0160-0575	4	1	CAP-FXD 0.047uF 50 V	02010	SR205C473MAAH
C24	0160-4084	8	1	CAP-FXD 0.1uF 50 V	02010	SR215C104MAAH
C25	0160-0575	4	1	CAP-FXD 0.047uF 50 V	02010	SR205C473MAAH
C26	0160-0575	4	1	CAP-FXD 0.047uF 50 V	02010	SR205C473MAAH
C27	0160-0575	4	1	CAP-FXD 0.047uF 50 V	02010	SR205C473MAAH
C28	0160-3879	7	1	CAP-FXD 0.01uF 100 V	02010	SR201C103MAAH
C29	0160-4084	8	1	CAP-FXD 0.1uF 50 V	02010	SR215C104MAAH
C30	0160-4084	8	1	CAP-FXD 0.1uF 50 V	02010	SR215C104MAAH
C31	0160-0575	4	1	CAP-FXD 0.047uF 50 V	02010	SR205C473MAAH
C32	0160-4084	8	1	CAP-FXD 0.1uF 50 V	02010	SR215C104MAAH
C33	0160-0575	4	1	CAP-FXD 0.047uF 50 V	02010	SR205C473MAAH
C34	0160-0575	4	1	CAP-FXD 0.047uF 50 V	02010	SR205C473MAAH
C35	0160-0575	4	1	CAP-FXD 0.047uF 50 V	02010	SR205C473MAAH
C36	0160-0575	4	1	CAP-FXD 0.047uF 50 V	02010	SR205C473MAAH
C37	0160-4084	8	1	CAP-FXD 0.1uF 50 V	02010	SR215C104MAAH
C38	0160-4084	8	1	CAP-FXD 0.1uF 50 V	02010	SR215C104MAAH
C39	0160-0575	4	1	CAP-FXD 0.047uF 50 V	02010	SR205C473MAAH
C40	0160-0575	4	1	CAP-FXD 0.047uF 50 V	02010	SR205C473MAAH
C41	0160-4084	8	1	CAP-FXD 0.1uF 50 V	02010	SR215C104MAAH
C42	0160-0575	4	1	CAP-FXD 0.047uF 50 V	02010	SR205C473MAAH
C43	0160-0575	4	1	CAP-FXD 0.047uF 50 V	02010	SR205C473MAAH
C44	0160-0575	4	1	CAP-FXD 0.047uF 50 V	02010	SR205C473MAAH
C45	0160-4084	8	1	CAP-FXD 0.1uF 50 V	02010	SR215C104MAAH
C46	0160-0575	4	1	CAP-FXD 0.047uF 50 V	02010	SR205C473MAAH
C47	0160-4084	8	1	CAP-FXD 0.1uF 50 V	02010	SR215C104MAAH
C48	0160-0575	4	1	CAP-FXD 0.047uF 50 V	02010	SR205C473MAAH

\*Indicates factory-selected value

**HP Part Number 5062-1984**  
**Fast ADC**

Reference Designation	HP Part Number	C D	Qty	Description	Mfr Code	Mfr Part Number
C49	0160-4084	8	1	CAP-FXD 0.1uF 50 V	02010	SR215C104MAAH
C50	0160-4084	8	1	CAP-FXD 0.1uF 50 V	02010	SR215C104MAAH
C51	0180-3831	3	1	CAP-FXD 10uF +-10% 35 V TA	04200	299D106X9035DB1
C52	0160-4084	8	1	CAP-FXD 0.1uF 50 V	02010	SR215C104MAAH
C53	0160-4084	8	1	CAP-FXD 0.1uF 50 V	02010	SR215C104MAAH
C54	0180-3831	3	1	CAP-FXD 10uF +-10% 35 V TA	04200	299D106X9035DB1
C56	0160-4084	8	1	CAP-FXD 0.1uF 50 V	02010	SR215C104MAAH
C58	0160-4084	8	1	CAP-FXD 0.1uF 50 V	02010	SR215C104MAAH
C59	0160-4084	8	1	CAP-FXD 0.1uF 50 V	02010	SR215C104MAAH
C60	0160-0575	4	1	CAP-FXD 0.047uF 50 V	02010	SR205C473MAAH
E1	9100-1788	6	1	CORE-FERRITE CHOKE-WIDEBAND IMP:680 OHM	01887	VK200 20/4B
E2	9100-1788	6	1	CORE-FERRITE CHOKE-WIDEBAND IMP:680 OHM	01887	VK200 20/4B
E3	9170-1419	7	1	BEAD, SHIELDING 54 OHMS @ 250MHZ 3.44nH	01887	11413-4B
J1	1251-8912	3	1	CONN-POST TYPE .100-PIN-SPCG 60-CONT	01380	534204-5
L1	9100-1629	4	1	INDUCTOR RF-CH-MLD 47UH +-5% .166D-INX.3	03273	15M472J
L2	9100-1629	4	1	INDUCTOR RF-CH-MLD 47UH +-5% .166D-INX.3	03273	15M472J
MP4	5002-0644	9	1	SHIELD ADC	28480	5002-0644
Q1	1855-0555	4	1	TRANSISTOR MOSFET N-CHAN E-MODE SI	02883	VN0300L
R1	0698-7222	1	1	RESISTOR 261 +-1% .05W TF TC=0+-100	00746	CRB20
R2	0698-7234	5	1	RESISTOR 825 +-1% .05W TF TC=0+-100	00746	CRB20
R3	0698-7236	7	1	RESISTOR 1K +-1% .05W TF TC=0+-100	00746	CRB20
R4	0698-7260	7	1	RESISTOR 10K +-1% .05W TF TC=0+-100	00746	CRB20
R5	0698-7222	1	1	RESISTOR 261 +-1% .05W TF TC=0+-100	00746	CRB20
R6	0698-7236	7	1	RESISTOR 1K +-1% .05W TF TC=0+-100	00746	CRB20
R7	0698-7212	9	1	RESISTOR 100 +-1% .05W TF TC=0+-100	00746	CRB20
R8	0698-7198	0	1	RESISTOR 26.1 +-1% .05W TF TC=0+-100	00746	CRB20
R10	0698-6320	8	1	RESISTOR 5K +-0.1% .125W TF TC=0+-25	00746	CRB14 OR CRB25
R11	0698-3445	2	1	RESISTOR 348 1% .125W TF TC=0+-100	00746	CRB14 OR CRB25
R12	0698-6360	6	1	RESISTOR 10K +-0.1% .125W TF TC=0+-25	00746	CRB14 OR CRB25
R13	0698-6360	6	1	RESISTOR 10K +-0.1% .125W TF TC=0+-25	00746	CRB14 OR CRB25
R14	0698-6377	5	1	RESISTOR 200 +-0.1% .125W TF TC=0+-25	00746	CRB14 OR CRB25
R15	0699-0154	6	1	RESISTOR 7.2K +-0.1% .125W TF TC=0+-25	00746	CRB14 OR CRB25
R16	0698-3445	2	1	RESISTOR 348 1% .125W TF TC=0+-100	00746	CRB14 OR CRB25
R22	0698-7260	7	1	RESISTOR 10K +-1% .05W TF TC=0+-100	00746	CRB20
R23	0698-7260	7	1	RESISTOR 10K +-1% .05W TF TC=0+-100	00746	CRB20
R26	0698-7260	7	1	RESISTOR 10K +-1% .05W TF TC=0+-100	00746	CRB20
R29	0698-7260	7	1	RESISTOR 10K +-1% .05W TF TC=0+-100	00746	CRB20
R30	0698-7260	7	1	RESISTOR 10K +-1% .05W TF TC=0+-100	00746	CRB20
R31	0698-7225	4	1	RESISTOR 348 +-1% .05W TF TC=0+-100	00746	CRB20
TP1	1251-0600	0	1	CONNECTOR-SGL CONT PIN 1.14-MM-BSC-SZ SQ	03418	16-06-0034
TP5	1251-0600	0	1	CONNECTOR-SGL CONT PIN 1.14-MM-BSC-SZ SQ	03418	16-06-0034
U1	1826-0558	6	1	IC V RGLTR-ADJ-NEG 1.2/37V TO-39 PKG	03406	LM337H
U2	1826-1431	6	1	IC V RGLTR-V-REF-FXD 4.9975/5.0025V 8-DI	10858	LT1021CCN8-5
U3	1826-1135	7	1	IC OP AMP PRCN 8-DIP-C PKG	02180	OP-27EZ
U4	1826-1998	0	1	ANALOG MULTIPLEXER 4 CHNL 18 -DIP-P	03799	HI3-524-5
U5	1826-2011	0	1	IC OP AMP WB 8-DIP-P PKG	11604	CLC400AJP
U6	1826-1731	9	1	A/D 8-BIT 24-CERDIP BPLR	02037	MC10319L

**HP Part Number 5062-1984**  
**Fast ADC**

Reference Designation	HP Part Number	C D	Qty	Description	Mfr Code	Mfr Part Number
U7	1820-3695	6	1	IC FF TTL/AS D-TYPE POS-EDGE-TRIG COM CL	01698	SN74AS374N
U8	1820-3456	7	1	IC DRVR CMOS/74HCT BUS OCTL	01698	SN74HCT244N
U9	1820-3590	0	1	IC GATE TTL/AS OR QUAD 2-INP	01698	SN74AS32N
U10	1820-2899	0	1	IC COMPTR TTL/AS MAGTD 8-BIT	01698	SN74AS885NT
U11	1820-4652	7	1	IC FF TTL/AS D-TYPE POS-EDGE-TRIG COM CL	01698	SN74AS823NT
U12	1820-2899	0	1	IC COMPTR TTL/AS MAGTD 8-BIT	01698	SN74AS885NT
U13	1818-4130	1	1	IC CMOS 65536 (64K) STAT RAM 22-NS 3-S	02037	MCM6288P-22
U14	1818-4130	1	1	IC CMOS 65536 (64K) STAT RAM 22-NS 3-S	02037	MCM6288P-22
U15	5181-5016	7	1	PAL	28480	5181-5016
U16	1820-3695	6	1	IC FF TTL/AS D-TYPE POS-EDGE-TRIG COM CL	01698	SN74AS374N
U17	1820-3695	6	1	IC FF TTL/AS D-TYPE POS-EDGE-TRIG COM CL	01698	SN74AS374N
U18	1820-4450	3	1	IC FF TTL/AS D-TYPE POS-EDGE-TRIG COM CL	01698	SN74AS821NT
U19	1820-3695	6	1	IC FF TTL/AS D-TYPE POS-EDGE-TRIG COM CL	01698	SN74AS374N
U20	1820-4125	9	1	IC CNTR TTL/F BIN UP/DOWN SYNCHRO POS-ED	02910	74F269N
U21	1820-4125	9	1	IC CNTR TTL/F BIN UP/DOWN SYNCHRO POS-ED	02910	74F269N
U22	1820-3735	5	1	IC FF TTL/AS J-K BAR POS-EDGE-TRIG PRESE	01698	SN74AS109N
U23	1820-3591	1	1	IC GATE TTL/AS NAND QUAD 2-INP	01698	SN74AS00N
U24	1820-2696	5	1	IC FF TTL/F D-TYPE POS-EDGE-TRIG COM CLK	01698	SN74F175N
U25	1820-3732	2	1	IC GATE TTL/AS AND TPL 3-INP	01698	SN74AS11N
U26	1810-0960	1	1	DELAY LINE ACTIVE DEVICE W/DUAL IN-LINE	07398	A447-0025-02
U27	1820-3747	9	1	IC MUXR/DATA-SEL TTL/AS 4-TO-1-LINE DUAL	01698	SN74AS253N
U28	1813-0119	8	1	CLOCK-OSCILLATOR-XTAL 40.0-MHZ 0.01%	09235	F1100-40.00MHZ
U29	1820-4535	5	1	IC LCH TTL/ALS TRANSPARENT 10-BIT	01698	SN74ALS841NT
U30	1820-4125	9	1	IC CNTR TTL/F BIN UP/DOWN SYNCHRO POS-ED	02910	74F269N
U31	1820-3493	2	1	IC FF TTL/AS D-TYPE POS-EDGE-TRIG PRESET	01698	SN74AS74N
U32	1820-3335	1	1	IC GATE TTL/ALS NAND QUAD 2-INP	01698	SN74ALS01N
U33	1820-3729	7	1	IC GATE TTL/AS NOR QUAD 2-INP	01698	SN74AS02N
U34	1820-2696	5	1	IC FF TTL/F D-TYPE POS-EDGE-TRIG COM CLK	01698	SN74F175N
U35	1820-4125	9	1	IC CNTR TTL/F BIN UP/DOWN SYNCHRO POS-ED	02910	74F269N
U36	1820-4125	9	1	IC CNTR TTL/F BIN UP/DOWN SYNCHRO POS-ED	02910	74F269N
U37	1820-3732	2	1	IC GATE TTL/AS AND TPL 3-INP	01698	SN74AS11N
U38	1810-0279	5	1	NETWORK-RES 10-SIP 4.7K OHM X 9	02483	750-101
U39	1810-0270	6	1	NETWORK-RES 10-SIP 680.0 OHM X 9	02483	750-101
U40	1826-1135	7	1	IC OP AMP PRCN 8-DIP-C PKG	02180	OP-27EZ
VR1	1902-0950	4	1	DIODE-ZNR 4.7V 5% DO-35 PD=.4W TC=+.025%	02037	
VR2	1902-0554	4	1	DIODE-ZNR 10V 5% PD=1W IR=10UA	02037	
VR3	1902-0950	4	1	DIODE-ZNR 4.7V 5% DO-35 PD=.4W TC=+.025%	02037	
W1	8159-0005	0	1	RESISTOR 0 CWM	01339	L-2007-1

*\*Indicates factory-selected value*

