

Am486 Microprocessor PCI Customer Development Board Revised: Friday, December 18, 1998					
Revision: 2.1A					
(C) Advanced Micro Devices, Inc. (800) 222-9323					
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Austin, TX 78741					
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Bill Of Materials Page1					
Item	Quantity	Reference	Part	Package	Part Spec.
1	119	C1,BC1,BC2,C3,BC3,C4,BC4, C5,BC5,C6,BC6,C7,BC7,C8, BC8,BC9,BC10,BC11,BC12, BC13,BC14,BC15,BC16,BC17, BC18,BC19,BC20,BC21,BC22, BC23,BC24,BC25,BC26,BC27, BC28,BC29,BC30,BC31,BC32, BC33,BC34,BC35,C36,BC36, C37,BC37,C38,BC38,C39, BC39,BC40,BC41,BC42,BC43, BC44,BC45,BC46,C47,BC47, C48,C50,C52,C65,C67,C69, C70,C71,C72,C73,C74,C75, C76,C77,C79,C80,C81,C82, C88,C89,C90,C91,C92,C93, C94,C95,C100,C105,C111, C112,C114,C115,C122,C123, C124,C125,C126,C127,C128, C129,C130,C131,C132,C133, C134,C135,C136,C137,C156, C157,C160,C166,C167,C168, C169,C170,C171,C172,C173, C174	0.1uF	805	RC0805, X7R, +/-10%, 50V
2	1	BT1	3V Coincell (socket)		KEYSTONE 103 or 106
3	14	C9,C10,C11,C12,C13,C34, C35,C83,C96,C97,C102, C103,C104,C109	0.01uF	805	RC0805, X7R, +/-10%, 50V
4	6	C14,C28,C58,C64,C158, C159	47pF	805	RC0805, NPO, +/-5%, 50V

5	33	C15,C16,C17,C18,C19,C20, C21,C22,C23,C24,C25,C26, C27,C29,C30,C31,C32,C138, C139,C140,C141,C142,C143, C144,C145,C146,C147,C148, C149,C150,C151,C152,C153	180pF	805	RC0805, NPO, +/-10%, 50V
6	10	C33,C41,C42,C43,C46,C56, C57,C60,C66,C154	15pF	805	RC0805, NPO, +/-5%, 50V
7	1	C40	1000pF	805	RC0805, 1/8W, +/-5%, 50V
8	2	C44,C45	39pF	805	RC0805, NPO, +/-5%, 50V
9	4	C53,C54,C155,C161	10pF	805	RC0805, NPO, +/-5%, 50V
10	1	C55	22pF	805	RC0805, NPO, +/-5%, 50V
11	1	C68	6.8uF	C-CASE	TANTALUM, C-CASE, 16V, +/-20%
12	2	C86,C78	2.2uF	B-CASE	TANTALUM, B-CASE, 20V, +/-20%
13	23	TC2,TC3,TC9,TC11,TC12, TC13,TC14,TC15,TC16,TC17, TC18,TC19,TC22,TC23,TC24, TC25,C84,C87,C106,C107, C108,C110,C113	10uF	C-CASE	TANTALUM, C-CASE, 16V, +/-20%
14	1	C85	1uF	A-CASE	TANTALUM, A-CASE, 16V, +/-20%
15	2	C98,C99	33pF	805	RC0805, NPO, +/-5%, 50V
16	1	C101	0.001uF, 2KV (MIN.)	TH	SPRAGUE 30GAD10
17	4	C162,C163,C164,C165	0.015uF	805	RC0805, X7R, +/-10%, 50V
18	6	D1,D5,D6,D7,D8,D9	MMBD4148 (SOT23)	SOT-23	VISHAY MMBD4148
19	1	D10	LED (SOT23)	SURSOT-23	LUMEX SSL-LX15IC-RP
20	4	D11,D12,D13,D14	LED (SOT23)	SURSOT-23	LUMEX SSL-LX15GC-RP
21	2	D15,D17	LED (2mA, SOT23)	SOT-23	KINGBRIGHT KM-23LSGC
22	2	D16,D18	LED (2mA, SOT23)	SOT-23	KINGBRIGHT KM-23LEC
23	2	F1,F2	FUSE--0.5A	1206	BUSSMAN 3216FF-500mA
24	1	HS1	HEATSINK (TO-220)		THERMALLOY ML32
25	7	JP2,JP3,JP29,JP30,JP31, JP32,JP33	HEADER 3X1	TH-1X3	1x3 HEADER; 0.025' SQ. POST AMP 87224-3
26	1	JP4	HEADER 3X2	TH-2X3	2x3 HEADER; 0.025' SQ. POST AMP 103186-3
27	1	JP34	HEADER 2X1	TH-1X2	1x2 HEADER; 0.025' SQ. POST AMP 87224-2
28	1	J1	KYBD CONN	TH	AMP 212044-1
29	2	J2,J3	PWR-CN6	TH	MOLEX 15-48-0106
30	1	J4	Parallel Port	DB25	AMP 745967-7
31	2	J7,J5	CNN-40C	TH-2X20-SHRD	2X20 HEADER; SHRD AMP 103308-8
32	1	J6	CNN-34C	TH-2X17-SHRD	2X17 HEADER; SHRD AMP 103308-7
33	2	J8,J9	SERIAL PORT	DB9	AMP 745410-1
34	1	J10	AMP RJ45A	TH	AMP 555153-1
35	1	J11	MOUSE_CON	TH	AMP 750329-2

36	1	LS1	SPEAKER		ISL PROD. INTL. ISL-8032VT
37	9	L1,L2,L3,L4,L5,L6,L7,L8, L9	FB	RC1206	MURATA ERIE BLM32A07
38	10	MT1,MT2,MT3,MT4,MT5,MT6, MT7,MT8,MT9,MT10	MountingHole		
39	1	P31	COND60	AMPMOD50, 2x30, R-ANG	AMP 104069-7
40	2	P35,P48	HEADER2X5; SHRD	TH-2x5-SHRD	2X5 HEADER; SHRD AMP 103308-1
41	11	P36,P38,P39,P40,P41,P42, P43,P44,P45,P46,P47	HP CONN	TH-2x10-SHRD	3M:2520-6003UB or AMP 103308-5
42	1	Q1	MMBT3906 (SOT23)	SOT-23	VISHAY MMBT3906
43	2	Q4,Q2	MMBT3904 (SOT23)	SOT-23	VISHAY MMBT3904
44	1	Q5	TIP127	TO-220	MOTOROLA TIP127
45	9	RN1,RN2,RN3,RN4,RN8,RN9, RN10,RN11,RN12	33-8B		CTS 743 08-3 330 J TR
46	7	RN5,RN6,RN7,RN13,RN14, RN15,RN16	22-8B		CTS 743 08-3 220 J TR
47	12	RP1,RP2,RP5,RP6,RP7,RP12, RP14,RP16,RP17,RP18,RP19, RP20	10K-10P	SIP10	CTS 770 10 1 103 SP
48	2	RP4,RP3	1K-10P	SIP10	CTS 770 10 1 102 SP
49	6	RP8,RP9,RP10,RP11,RP15, RP21	4.7K-10P	SIP10	CTS 770 10 1 472 SP
50	1	RP13	330-8P	SIP8	CTS 770 8 1 331 SP
51	19	R3,R4,R5,R13,R19,R49,R50, R52,R61,R64,R68,R76,R77, R91,R104,R131,R141,R142, R175	10K	805	RC0805, 1/8W, +/-5%, 50V
52	17	R6,R20,R21,R34,R58,R78, R85,R103,R105,R118,R130, R134,R170,R173,R174,R177, R178	1K	805	RC0805, 1/8W, +/-5%, 50V
53	5	R7,R8,R27,R81,R124	33	805	RC0805, 1/8W, +/-5%, 50V
54	1	R11	*10K	805	RC0805, 1/8W, +/-5%, 50V
55	6	R14,R15,R16,R17,R18,R147	22	805	RC0805, 1/8W, +/-5%, 50V
56	11	R22,R31,R35,R36,R38,R41, R42,R54,R99,R100,R101	10	805	RC0805, 1/8W, +/-5%, 50V
57	1	R23	27.4K, 1%	805	RC0805, 1/8W, +/-1%, 50V
58	1	R25	25.5K, 1%	805	RC0805, 1/8W, +/-1%, 50V
59	1	R26	15.8K, 1%	805	RC0805, 1/8W, +/-1%, 50V
60	10	R28,R94,R97,R135,R136, R137,R138,R156,R158,R160	330	805	RC0805, 1/8W, +/-5%, 50V
61	1	R29	15.0K, 1%	805	RC0805, 1/8W, +/-1%, 50V
62	4	R30,R65,R139,R140	100	805	RC0805, 1/8W, +/-5%, 50V

63	15	R33,R47,R57,R119,R120, R121,R122,R123,R127,R148, R163,R165,R167,R169,R176	0	805	RC0805, 1/8W, +/-5%, 50V
64	9	R39,R44,R45,R75,R90,R92, R106,R171,R172	4.7K	805	RC0805, 1/8W, +/-5%, 50V
65	1	R48	51K	805	RC0805, 1/8W, +/-5%, 50V
66	1	R59	*1K	805	RC0805, 1/8W, +/-5%, 50V
67	5	R62,R63,R149,R150,R151	270	805	RC0805, 1/8W, +/-5%, 50V
68	2	R70,R146	*2.2K	805	RC0805, 1/8W, +/-5%, 50V
69	9	R71,R80,R95,R96,R98,R145, R157,R159,R161	470	805	RC0805, 1/8W, +/-5%, 50V
70	1	R79	10M	805	RC0805, 1/8W, +/-5%, 50V
71	1	R93	*4.7K	805	RC0805, 1/8W, +/-5%, 50V
72	1	R102	47	805	RC0805, 1/8W, +/-5%, 50V
73	1	R107	100, 1%	805	RC0805, 1/8W, +/-1%, 50V
74	2	R108,R109	49.9, 1%	805	RC0805, 1/8W, +/-1%, 50V
75	4	R110,R111,R112,R113	75, 1%	805	RC0805, 1/8W, +/-1%, 50V
76	3	R114,R115,R117	1.00K, 1%	805	RC0805, 1/8W, +/-1%, 50V
77	1	R116	22K, 1%	805	RC0805, 1/8W, +/-1%, 50V
78	4	R152,R153,R154,R155	1.5K	805	RC0805, 1/8W, +/-5%, 50V
79	4	R162,R164,R166,R168	*0	805	RC0805, 1/8W, +/-5%, 50V
80	3	SIMM1,SIMM2,SIMM0	SIMM72		AMP 822030-3
81	2	SLT1,SLT2	PCI Slot		AMP 145154-4
82	2	SL1,SL2	ISA AT Connector		AMP 645169-3
83	3	SW1,SW2,SW3	PBNO		C&K KT11P2SM
84	4	TC1,TC4,TC7,TC10	47uF	D-CASE	TANTALUM, D-CASE, 16V, +/-20%
85	4	TC5,TC6,TC20,TC21	10uF	D-CASE	TANTALUM, D-CASE, 25V, +/-20%
86	1	TC8	100uF	E-CASE	TANTALUM, E-CASE, 16V, +/-20%
87	1	T1	PE68515		PULSE ENGR. PE-68515
88	1	U1	74F245	SOL20	SIGNETICS 74F245D
89	1	U5	M1489	PQFP208	ALi M1489
90	1	U6	LP2951	SO8	NATIONAL LP2951CM
91	4	U7,U8,U9,U10	128Kx8-15	SOJ32(0.3"/0.4")	128Kx8, 15ns, Corner Vcc/GND Pins, SOJ32
92	1	U11	32Kx8-10	SOJ28(.3")	32Kx8, 10ns, Corner Vcc/GND Pins, 0.3"SOJ28
93	1	U14	Am29F010-90	DIP32(0.6")(SOCKET)	AMD Am29F010-90PC
94	1	U15	74F04	SO14	SIGNETICS 74F04D
95	1	U17	IMI SC464	SSOP28	INTL. MICROCKTS. INC. IMISC464AYB
96	1	U21	M1487	PQFP160	ALi M1487
97	1	U22	DS1685-5	DIP24(0.650")	DALLAS SEMI. DS1685-5
98	2	U24,U82	74F08	SO14	SIGNETICS 74F08D
99	1	U25	Am486-PGA	PGA169	AMD (AMP SOCKET1 916504-2)
100	11	U26,U28,U30,U31,U32,U36, U38,U40,U47,U49,U70	74ABT16244	SSOP48	SIGNETICS 74ABT16244ADL

101	1	U42	74ABT244	SOL20	SIGNETICS 74ABT244D
102	1	U43	M5113A	PQFP100	ALi M5113A
103	1	U44	TFDS6000	SMT	TEMIC TFDS6000D
104	2	U46,U45	RS232-5V	SSOP28	LINEAR TECH LTC1349CG
105	1	U51	Am79C972 (PQR160)	PQR160	AMD Am79C972KC
106	1	U52	LXT970QC	MQFP64	LEVEL ONE LXT970QC
107	1	U53	MC33269DT-3.3	DPAK	MOTOROLA MC33269DT-3.3
108	1	U54	NM93C46N	DIP8	NATIONAL NM93C46N
109	1	U55	MACH221	PQFP-100	AMD MACH221SP-7
110	9	U56,U61,U62,U63,U64,U65, U66,U67,U68	29F800-55 TSOP48	TSOP48	AMD AM29F800BT-55EC
111	2	U60,U80	PALCE22V10_PLCC (5ns)	PLCC28	AMD PALCE22V10H-5JC
112	1	U69	74ABT373	SOL20	SIGNETICS 74ABT373AD
113	1	U71	74ABT16245	SSOP48	SIGNETICS 74ABT16245BDL
114	4	U72,U73,U74,U75	Hex Display	TH	TI TIL311
115	1	U77	74F32	SO14	SIGNETICS 74F032D
116	1	U78	74F06	SO14	SIGNETICS 74F06D
117	1	U79	M5042	PLCC44	ALi M5042
118	1	U81	NM93C66M8	SO8	NATIONAL NM93C66M8
119	1	U83	74F14	SO14	SIGNETICS 74F14D
120	1	U84	74ABT125	SO14	Signetics 74ABT125D
121	1	Y1	24MHz_SMD		ECLIPTEK ECSMA-24.00MTR
122	1	Y2	14.318MHz_SMD		ECLIPTEK ECSMAT-14.318MTR
123	2	Y4,Y6	32.768KHz_SMD		ECLIPTEK ECPSM29T-32.768KTR
124	1	Y5	25MHz_SMD		ECLIPTEK ECSMA-25.000MTR
OTHER STUFF FOR THE ASSEMBLED SYSTEM					
127	1	XU14	DIP32(0.6") SOCKET		SAMTEC ICA-632-SGG
128	1	XBT1	3.3V LITHIUM COINCELL		TOSHIBA CR2032
129	1	U25-HS	FANSINK FOR CPU		THERMALLOY 2321B-TCM-42S-PF17
130	5	XXX	JUMPERS (0.1")	FOR 0.025" SQ. POSTS	