

Am186CC Customer Dev. Platform (Main Board) - Miscellaneous Revised: Friday, February 05, 1999

Revision: 2.1					
(C) Advanced Micro Devices, Inc. (800) 222-9323					
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Bill Of Materials February 11,1999 16:37:03					
Item	Quantity	Reference	Part	Package	Part Spec
1	7	CR1,CR2,CR3,CR4,CR5,CR6, CR7	LED SOT-23	SOT-23	LUMEX SSL-LX15IGC-RP-TR
2	5	CR8,CR9,CR10,CR11,CR12	LED SMT	SMT-2	LUMEX CCL-CRS10R
3	56	C1,C2,C3,C4,C5,C6,C7,C8, C9,C10,C13,C14,C15,C16, C17,C18,C20,C21,C26,C27, C28,C29,C33,C34,C39,C41, C49,C54,C64,C65,C78,C79, C81,C85,C87,C89,C90,C93, C94,C95,C96,C97,C98,C99, C100,C104,C106,C107,C108, C109,C110,C111,C112,C113, C116,C117	0.1uF	805	+/- 10%, X7R, 50V
4	12	C11,C12,C22,C23,C24,C31, C32,C36,C53,C55,C63,C71	10uF	C-CASE	Tantalum, C CASE, 16V
5	1	C19	1.0uF	A-CASE	Tantalum, A CASE, 16V
6	2	C25,C37	1000pF	805	+/- 10%, X7R, 50V
7	4	C30,C38,C51,C69	0.01uF	805	+/- 10%, X7R, 50V
8	1	C35	4.7uF	C-CASE	Tantalum, C CASE, 16V
9	8	C40,C42,C44,C45,C101, C102,C103,C105	22pF	805	+/- 10%, X7R, 50V
10	6	C46,C47,C56,C57,C58,C70	22uF	E-CASE	AVX TPSE226M035R0300
11	1	C48	220pF	805	AVX 08055C221MATMA
12	1	C50	0.22uF	1206	AVX 12063C224MATMA
13	1	C52	3300pF	1206	AVX 12065C104MATMA
14	2	C59,C60	10uF	1812	+/- 10%, Y5V, 25V
15	5	C61,C62,C66,C67,C68	330uF	E-CASE	AVX TPSE337M010#100
16	16	C72,C73,C74,C75,C76,C77, C80,C82,C83,C84,C86,C88, C91,C92,C114,C115	220pF	805	+/- 10%, X7R, 50V
17	1	D1	DIODE	SOT-23	ROHM RB400D
18	1	D2	DIODE ZENER	SOT-23	ROHM RSZ5228B
19	1	D3	DIODE ZENER	DO-214AA	General Semi SMZJ3797B
20	4	D4,D5,D6,D7	DIODE	DO-214AA	General Semi ES2D
21	1	D8	DIODE	SMA	ROHM RB160L-40
22	1	D9	SCHOTTKY RECTIFIER	SMT-2	International Rectifier 30BQ015
23	3	FB1,FB2,FB4	FB	1206	MURATA BLM31P500SPB
25	2	FB5,FB6	FB	805	MURATA BLM21A121SPB
26	1	F1	2.5A	SMT-2	Bussmann 3216FF-2.5A
27	6	GP1,GP2,GP3,GP4,GP5,GP6	GND PT	TH-1	AMP 87224-1

28	7	JP1,JP2,JP3,JP4,JP5,JP6, JP7	HEADER 4X2	TH-2x4	AMP 103186-4
29	2	JP9,JP8	HEADER 2X2	TH-2x2	AMP 103186-2
30	1	JP10	HEADER 3X2	TH-2x3	AMP 103186-3
31	2	JP11,JP12	HEADER 6X2	TH-2x6	AMP 103186-6
32	1	L1	10uH	SMT	Coiltronics CTX10-2-52
33	1	L2	33uH	SMT-2	Coiltronics UP2B-330
34	4	P1,P2,P3,P4	CONNECTOR DB25	TH-25	AMP 787202-1
35	2	P6,P5	HEADER 5X2	TH-2x5-SHRD	AMP 111949-1
36	2	P7,P15	CONNECTOR DB9	TH-9	AMP 787200-1
37	2	P11,P8	DAQ CONN	TH-2x25-SHRD	AMP 1-111949-0
38	8	P9,P10,P13,P14,P16,P17, P20,P21	HP CONN	TH-2x10 SHRD	AMP 103308-5
39	2	P19,P12	COND70	SMT-2x35	AMP 104652-7
40	1	P18	USB CON	TH-4	AMP 787780-1
41	3	P22,P23,P24	Banana Jack	TH-1	Johnson 105-0851-001
42	2	P25,P28	Banana Jack	TH-1	Johnson 105-0852-001
43	1	P26	HEADER 32X2	TH-2x32	AMP 3-103186-2
44	1	P27	HEADER 20X2	TH-2x20	AMP 2-103186-0
45	1	P29	Banana Jack	TH-1	Johnson 105-0853-001
46	1	P30	COND60	SMT-2x30	AMP 104069-7
47	1	P31	BARREL CON	TH-3	KYCON KLD-0202-BC
48	2	Q2,Q1	TN0200T	SOT-23	Temic TN0200T
49	16	R1,R3,R5,R7,R9,R11,R13, R15,R24,R57,R120,R145, R152,R173,R180,R245	100K	805	+/- 5%, 1/10W
50	12	R2,R4,R6,R8,R10,R12,R14, R16,R25,R26,R31,R32	220	805	+/- 5%, 1/10W
51	13	R17,R19,R20,R21,R23,R27, R29,R30,R34,R35,R36,R37, R45	47	603	+/- 5%, 1/16W
52	52	R22,R91,R119,R121,R123, R125,R127,R133,R134,R136, R137,R140,R141,R142,R146, R149,R154,R156,R159,R164, R172,R175,R176,R179,R181, R182,R186,R187,R201,R202, R207,R208,R213,R214,R246, R248,R249,R255,R257,R258, R259,R260,R264,R267,R269, R271,R278,R280,R282,R288, R291,R295	10K	805	+/- 5%, 1/10W
53	19	R28,R102,R143,R147,R150, R157,R160,R161,R165,R188, R203,R209,R215,R266,R270, R281,R287,R290,R293	1K	805	+/- 5%, 1/10W
54	109	R33,R44,R46,R47,R48,R51, R52,R53,R54,R59,R60,R61, R62,R63,R64,R65,R66,R67, R68,R69,R70,R71,R72,R73, R74,R75,R76,R77,R79,R80, R81,R82,R83,R84,R85,R86, R87,R88,R138,R158,R162, R163,R166,R168,R169,R170, R171,R174,R177,R178,R183,	22	603	+/- 5%, 1/16W

		R184,R185,R189,R190,R191, R192,R193,R194,R195,R196, R197,R198,R199,R200,R204, R205,R206,R212,R216,R217, R218,R219,R220,R221,R222, R223,R224,R225,R226,R227, R228,R229,R230,R231,R235, R236,R237,R238,R239,R240, R241,R242,R250,R251,R252, R253,R254,R261,R262,R263, R272,R273,R274,R275,R276, R284,R285,R286			
55	2	R40,R38	33	603	+/- 5%, 1/16W
56	2	R155,R41	15	603	+/- 5%, 1/16W
58	16	R49,R50,R89,R92,R210, R211,R232,R233,R234,R268, R277,R283,R289,R292,R294, R298	0	805	+/- 5%, 1/10W
59	1	R58	1.5K	805	+/- 5%, 1/10W
60	1	R78	56	603	+/- 5%, 1/16W
62	1	R94	3.32K	1206	+/- 1%, 1/4W, 150V
63	1	R95	487	1206	+/- 1%, 1/4W, 150V
64	1	R96	10K	1206	+/- 5%, 1/4W, 150V
65	3	R97,R100,R101	0	1206	KOA RM73Z2B, 5%, 1W
66	2	R98,R99	13.7K	1206	+/- 1%, 1/4W, 150V
67	17	R103,R104,R105,R106,R107, R108,R109,R110,R111,R112, R113,R114,R115,R116,R117, R118,R167	100	805	+/- 5%, 1/10W
68	16	R122,R124,R126,R128,R129, R130,R131,R132,R135,R139, R144,R148,R151,R153,R296, R297	22	805	+/- 5%, 1/10W
69	1	R243	5.6K	2512	KOA RM73B3A, 5%, 1W
70	1	R244	1.5K	2512	KOA RM73B3A, 5%, 1W
71	2	R247,R265	220	1206	+/- 5%, 1/4W, 150V
72	1	R256	68	1206	+/- 5%, 1/4W, 150V
75	1	SW1	RESET	SMT-4	C+K KT11P2SM
76	4	SW3,SW5,SW6,SW7	DIP 3PST	DIP-6	GRAYHILL 78G01
77	1	SW4	DIP 4PST DUAL	DIP-16	GRAYHILL 78H02
78	5	SW8,SW10,SW12,SW14,SW16	SW DIP-4	TH-8	C+K BD04
79	3	SW9,SW13,SW15	SW DIP-8	TH-16	C+K BD08
80	1	SW11	SW DPDT	TH-6	Grayhill 76SD01
81	3	TP1,TP2,TP3	TESTPT	SMT-1	805 Single Pin
82	1	T1	Flyback Transformer	SMT	Beckman HM00-98519
83	4	U1,U4,U7,U10	DS34C87T SOP	SOP-16	National DS34C87TM
84	4	U2,U3,U8,U9	DS34C86T SOP	SOP-16	National DS34C86TM
85	2	U6,U5	74ACT125	SOIC-14	74ACT125
86	1	U11	M4-128/64YC	PQFP-100	Vantis M4-128/64-15YC
87	1	U12	SP207B	SOIC-28	Sipex SP207BCT
88	1	U13	TLC7733ID	SOIC-8	TI TLC7733ID

89	1	U14	74ACT02	SOIC-14	74ACT02
91	1	U16	Am186CC	PQFP-160	
92	1	U17	SP207HB	SOIC-28	Sipex SP207HBCT
94	1	U19	AM29F800 TSOP	TSOP-48	AM29F800BT-55EC
96	1	U21	DRAM 256X16 SOJ	SOJ-40	Mosel Vitelic V53C16258HK40
97	1	U23	OP AMP	SOT-23-5	Micrel MIC6211BM5
98	1	U24	SLIC REGULATOR	TO-263	Micrel MIC2171BU
99	2	U25,U28	SRAM	DIP-32	Samsung KM681000CLP-4
100	1	U26	M5V REGULATOR	TO-263-5	Micrel MIC4575-5.0BU
101	1	U27	MIC4576	TO-263-5	Micrel MIC4576-5.0BT
102	1	U29	LDO-3.3	SOT-223	Micrel MIC5209-3.3BS
103	1	U36	74AC126	SOIC-14	74AC126
104	1	X1	CRYSTAL TH-2	TH-2	Ecliptek EC2-20.000M-CL150
105	1	X2	CRYSTAL TH-2	TH-2	Ecliptek EC2-24.000M-CL150
106	1	Y1	OSC4p	SMT-4	Ecliptek EC23-16.384M
107	1	Y2	OSC4p	SMT-4	Ecliptek EC23-20.000M
Misc. Parts					
Item	Quantity	Reference	Part	Package	Part Spec
1	1	SU16	SOCKET PQFP-160	PQFP-160	YAMAICHI IC149-160-023-S5
2	12	SY5,SY4,SY3	PIN SOCKETS (4 PER S	TH-1	MCKENZIE 185B
3	2	SU28,SU25	SOCKET DIP-32	DIP-32	AMP 3-382568-2
4	4	SX1,SX2	PIN SOCKETS (2 PER S	TH-1	MCKENZIE 185B
5	18		Berg Jumpers		Open top Berg jumpers
Unpopulated Parts					
Item	Quantity	Reference	Part	Package	Part Spec
24	1	FB3	*FB	1206	*MURATA BLM31P500SPB
57	6	R42,R43,R55,R56,R93,R279	*0	805	+/- 5%, 1/10W
61	1	R90	*10K	805	+/- 5%, 1/10W
73	1	SP1	*SPARE14	SOIC-14	
74	1	SP2	*SPARE20	SOIC-20	
90	1	U15	*SRAM 256Kx16 SOJ	SOJ-44	Cypress 7C1041-25VC
93	1	U18	*DRAM 256X16 SOJ	SOJ-40	Mosel Vitelic V53C16258HK40
95	1	U20	*USB XCVR	SSOP-14	Philips PDIUSBP11DB
108	3	Y3,Y4,Y5	*OSC4p	TH-4	Ecliptek EC1300HS-XX
Kit Parts					
1	1		12V 2.5A Power Supply		Spectre PS-1225-AP6
2	1		2 Meter USB Cable		Newnex UF2-2002
3	1		RS-232 Cable		same as 186xx
4	1		6 ft. Male-to Female DB-25 RS-530 Cable		AMP 621796-3*
*Not required for standard kit					
BOLD designates change from Rev 2.0 BOM					