



# Intel<sup>®</sup> StrongARM<sup>®</sup> SA-1111 Development Module

## Parts List

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*Advance Information*

*January 2000*

*Phase 4*

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**Notice:** This document contains information on products in the sampling and initial production phases of development. Revised information will be published when this product is available.

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# 1.0 Intel® StrongARM® SA-1111 Development Module Parts List

This document contains the parts list and revision information for the Intel® StrongARM® SA-1111 Development Module (SA-1110 Development Module).

**Note:** This document and module are for the Phase 4 hardware build of this product. For the latest information and updates, see the hardware release notes that are provided in hardcopy format, and the software readme.txt files that are provided in the software kits.

## 1.1 Parts List

The SA-1111 Development Module has the following list of components:

**Table 1. Intel® StrongARM® SA-1111 Development Module Parts List (Sheet 1 of 6)**

Item	Qty	Reference Designator	Description	Package Size	Manufacture	Manufacturer part number
1	1	C153	3_3uF_6_3V	TANTA	Panasonic	ECS-T0JY335R
2	7	C154, C156, C157, C158, C159, C160, C161	100uF_10V	VA_D	Panasonic	ECE-V1AA101UP
3	1	C155	1000uF_6_3V	VS_G	Panasonic	ECE-V0JA102P
4	3	C3, C7, C9	0_1uF_0805	C0805	Panasonic	ECJ-2YB1H104K
5	22	C4, C8, C12, C13, C21, C23, C27, C28, C33, C35, C37, C43, C44, C45, C59, C66, C96, C100, , C103, C110, C111, C114	0_01uF_25V	C0603	Panasonic	ECJ-1VB1E103K
6	22	C5, C11, C18, C19, C20, C22, C24, C30, C31, C39, C40, C41, C55, C57, C60, C63, C81, C90, C97, C101, C106, C109	0_1uF_16V	C0603	Panasonic	ECJ-1VB1C104K
7	22	C6, C14, C15, C16, C17, C25, C26, C29, C32, C34, C36, C38, C42, C47, C58, C67, C68, C70, C98, C99, C102, C108	1_0uF_10V	C0805	Panasonic	ECJ-2YB1A105K
8	4	C46, C75, C115, C117	10uF_10V	TANTA	Panasonic	ECS-T0JY106R
9	16	C48, C50, C51, C52, C54, C56, C62, C65, C71, C72, C85, C107, C112, C113, C118, C152	0_1uF	C0603	Panasonic	ECJ-1VB1C104K

Table 1. Intel® StrongARM® SA-1111 Development Module Parts List (Sheet 2 of 6)

Item	Qty	Reference Designator	Description	Package Size	Manufacture	Manufacturer part number
10	17	C49, C53, C73, C74, C76, C82, C83, C84, C87, C88, C89, C104, C105, C140, C141, C145, C151	1_0UF	C0805	Panasonic	ECJ-2YB1A105K
11	14	C61, C79, C80, C119, C120, C121, C122, C123, C124, C146, C147, C148, C149, C150	1nF	CR0603	Panasonic	ECU-V1H102KBV
12	3	C64, C69, C86	10UF_6_3V	TANTA	Panasonic	ECS-TOJY106R
13	7	C77, C78, C116, C130, C138, C139, C143	47UF_10V	TANTD	Panasonic	ECS-T1AD476R
14	4	C91, C93, C94, C95	0_01UF	C0805	Panasonic	ECU-V1H103KBG
15	6	C125, C137, C142, C144, C129, C126	0_001UF	C0603	Panasonic	ECU-V1H102KBV
16	8	C127, C128, C131, C132, C133, C134, C135, C136	100nF	CC0805	Panasonic	ECJ-2YB1H104K
17	2	D3, D1	surface mount led yellow clear	R0603	Liteon	LTST-C190YKT
18	1	D2	surface mount led red clear	R0603	Liteon	LTST-C190CKT
19	1	D4	surface mount led green clear	R0805	Liteon	LTST-C170FKT
20	32	D6, D7, D8, D9, D10, D11, D12, D13, D14, D15, D16, D17, D18, D19, D20, D21, D22, D23, D24, D25, D26, D27, D28, D29, D30, D31, D32, D33, D34, D35, D36, D37	green thru hole led 2.29 wide 2ma rated load LED	NA	Chicago Minature	5350T5LC
21		D38	3A_40V	SMC	Vishay	SK34DI
22	1	J2	1.27mm 14 pin top ffc connector is top 50mil pitch	NA	ELCO	006207341914000
23	1	J3	1.27 mm 7 pin ffc connector is bottom	NA	ELCO	006207341907000
24	2	J7, J4	2 pin 100mil header	NA	Amp	4-103239-0
25	1	J5	10 pin 100mil header (1x10)	NA	Amp	4-103239-0

**Table 1. Intel® StrongARM® SA-1111 Development Module Parts List (Sheet 3 of 6)**

Item	Qty	Reference Designator	Description	Package Size	Manufacture	Manufacturer part number
26	1	J6	RJ45 phone jack 8 pin thru hole	NA	Amp	557785-1
27	1	J8	5x2 100mil unprotected header	NA	Amp	4-103240-0
28	1	J9	2mm 8x2 SMT vertical header strip	NA	Molex	87267-1650
29	1	J10	2 pin 100mil header	NA	Amp	4-103239-0
30	1	J11	2 pin 100mil header	NA	Amp	4-103239-0
31	1	J12	2 pin 100mil header	NA	Amp	4-103239-0
32	1	J13	2 pin 100mil header	NA	Amp	4-103239-0
33	1	J14	3 pin 100mil header	NA	Amp	4-103239-0
34	1	J15	PS2 circular DIN connector	NA	CUI Stack	MD-60SG
35	1	J16	10 pin 100mil header (2x5)	NA	Amp	103169-3
36	1	J17	single USB connector	NA	Molex	87531-0001
37	2	J19, J18	stereo jack 3.5mm	NA	CUI	SJ-3505
38	1	J20	db9 male thruhole rt angle	NA	AMP	747840-4
39	4	J21, J22, J24, J25	Mictor, 38 pin	NA	AMP	2-767004-2
40	1	J23	2*68pin pcmcia card connector	NA	AMP	146046-1
41	1	J26	3 pin 100mil header	NA	Amp	4-103239-0
42	1	L2	22UH	NA	Panasonic	ELJ-FA220KF
43	1	L3	4_7UH	NA	Panasonic	ELJ-FD4R7KF
44	1	L4	4_7UH	NA	Panasonic	ELJ-FD4R7KF
45	1	L5	47UH_3A	NA	Schott Corp	67126980
46	1	L6	Ferrite	NA	Steward	MI1206K900R
47	1	L7	Ferrite	NA	Steward	MI1206K900R
48	1	L8	Ferrite	NA	Steward	MI1206K900R
49	1	L9	Ferrite	NA	Steward	MI1206K900R
50	1	P1	140pin tall connector	NA	AMP	149009-6

Table 1. Intel® StrongARM® SA-1111 Development Module Parts List (Sheet 4 of 6)

Item	Qty	Reference Designator	Description	Package Size	Manufacture	Manufacturer part number
51	8	RP1, RP3, RP4, RP7, RP8, RP9, RP10, RP11	510ohm 4 isolated resistor pack	NA	CTS	742C083511JTR
52	1	RP2	100kohm 4 isolated resistor pack	NA	Panasonic	EXB-38V104JV
53	2	RP5, RP6	4.7kohm 4 isolated resistor pack	NA	Panasonic	EXB-38V472JV
54	5	R3, R4, R62, R63, R68	100_0805	R0805	Panasonic	ERJ-6GEYJ101V
55	15	R5, R7, R12, R16, R24, R27, R47, R53, R54, R55, R58, R59, R80, R82, R83	4_7K	R0603	Panasonic	ERJ-3GSY472V
56	2	R90, R91	47K	R0603	Panasonic	ERJ-3GSY473V
57	1	R8	150K	R0603	Panasonic	ERJ-3GSY154V
58	1	R9	1_0MEG	R0603	Panasonic	ERJ-3GSY105V
59	15	R10, R13, R14, R15, R19, R20, R21, R23, R25, R26, R29, R30, R31, R32, R70	100K	R0603	Panasonic	ERJ-3GSY104V
60	1	R11	15K	R0603	Panasonic	ERJ-3GSY153V
61	2	R98, R99	15K	R0805	Panasonic	ERJ-6GEY153V
62	4	R18, R71, R72, R76	47 ohm	R0603	Panasonic	ERJ-3GSYJ470V
63	2	R96, R97	24 ohm	R0805	Panasonic	ERJ-6GEYJ240V
64	7	R22, R36, R41, R42, R50, R51, R52	0 ohm	R0603	Panasonic	ERJ-3GSY0R00V
65	2	R33, R28	1K	R0603	Panasonic	ERJ-3GSY102V
66	8	R34, R35, R37, R38, R39, R40, R43, R44	.02ohm 1206 size resistor	R1206	Dale	895-0724
67	7	R45, R60, R61, R73, R74, R75, R92	100 ohm	R0603	Panasonic	ERJ-3GSYJ101V
68	7	R46, R48, R49, R77, R93, R94, R95	10K	R0603	Panasonic	ERJ-3GSY103V
69	6	R56, R57, R86, R87, R88, R89	1_0K	R0603	Panasonic	ERJ-3GSY102V
70	2	R64, R67	240 ohm	R0605	Panasonic	ERJ-3GSYJ241V
71	2	R66, R65	60 ohm	R0805	Allied Electronics	895-5715

Table 1. Intel® StrongARM® SA-1111 Development Module Parts List (Sheet 5 of 6)

Item	Qty	Reference Designator	Description	Package Size	Manufacture	Manufacturer part number
72	1	R69	25K	R0803	Panasonic	ERJ-3GSY253V
73	5	R78, R79, R81, R84, R85	2_2K	R0603	Panasonic	ERJ-3GSYJ222V
74	1	SW1	ultra miniature dip switch 4 pos.	NA	C&K	TD04H0SK1
75	1	SW2	minature SMT dip switch 8 pos.	NA	C&K	TD08HSK1
76	1	T1	Lan isolation transformer	NA	Pulse	PE-65726
77	1	U1	keyboard encoder & power management	NA	USAR	UR5HCSPI-SA01-FA
78	1	U2	ISA/PCMCIA ENET CNTRLR (3.3V, Rev E)	NA	SMSC	LAN91C96VTQFP3.3v
79	1	U3	20.000mhz osc 3.3v	NA	ECS	OECS-3953C-200
80	10	U4, U7, U11, U15, U26, U27, U28, U30, U33, U36	Low voltage 16bit buffer	NA	Motorola	MC74LCX16244DT
81	1	U5	power switch network ssop28	NA	MAXIM	MAX1600EAI
82	2	U10, U6	low voltage cmos 16bit D type flop	NA	Motorola	MC74LCX16374DT
83	1	U8	Intel SA-1111 Companion Chip	NA	Intel	GDS1111-BA
84	4	U9, U14, U34, U35	single bus buffer gate with tristate	NA	TI	SN74AHC1G126DCK
85	2	U12, U13	DRAM 8x16 3.3v TSOP54 128MEG	NA	Samsung	KM416S8030T-GL
86	2	U17, U16	Intel Flash File 3v memory	NA	Intel	TE28F160S3-75
87	2	XU17, XU16	socket for the above Intel flash	NA	Meritec	980020-56
88	3	U18, U23	power distribution switch	NA	TI	TPS2015D
89	2	U20, U21	3V TO 5.5V RS-232 transceiver 28ssop	NA	MAXIM	MAX3243CAI
90	3	U22, U41, U43	serial bus port (one reel)	NA	TI	SN75240PWR
91	1	U25	3 wire serial Eeprom 1k(64x16)	NA	Atmel	AT93C46A-10SC-2.7
92	2	U31, U29	low voltage cmos 16 bit transceiver	NA	Motorola	MC74LCX16245DT

Table 1. Intel® StrongARM® SA-1111 Development Module Parts List (Sheet 6 of 6)

Item	Qty	Reference Designator	Description	Package Size	Manufacture	Manufacturer part number
93	1	U32	low volt programmable osc 24.5760Mhz	NA	Epson	SG-8002CA-PCB-ND
94	1	U37	single cmos inverter	NA	Texas Instruments	SN74AHC1G04DC KR
95	1	U38	128 macrocell CPLD 3v part	NA	Philips	PZ3128-S10BE
96	1	U39	Audio Codec'97	NA	Cirrus Logic	CS4297-JQ
97	1	U40	audio CODEC	NA	Philips	UDA1341TS
98	2	U42, U44	dual op amp	NA	Motorola	MC34072D
99	1	U45	3A Low dropout regulator	NA	Linear Technology	LT1529-5
100	1	U46	3A Step-Down Voltage Regulator	NA	National Semiconductor	LM2576_3_3
101	1	X1	Microphone	NA	Panasonic	WM-52BM
102	1	Y1	ceramic resonator	NA	Panasonic	EFO-EC2004A4







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