

SPS-700A-MAIN-BOM

No.	품 명	Reference	Part	Package	수량	오차	Vendor	Datasheet	비고
1	Bead	BD1,BD2,BD3,L4,BD4,BD5, BD6,BD8,BD9	HH-1M1608-121J	L1608	9		Ceratech		
2		BD7,L10,L11,R71,R72,R73,R74,	HH-1M1608-601J	L1608	7		Ceratech		
3	C-Ceramic	CB1,CB2,CB3,CB4,CB5,CB6, CB7,CB8,CB9,CB10,CB11, CB12,CB13,CB14,C14,CB15, CB16,CB17,CB18,CB19,CB20, CB21,CB22,CB23,CB24,CB25, CB26,CB27,CB28,CB30,CB31, CB32,CB33,CB34,CB35,CB36, CB37,CB38,CB39,CB40,CB41, CB42,CB43,CB45,CB47,CB48, CB49,CB51,C61,C70,C71, C105,C133,C134,C141	100nF	C1608	55		Any		
4	C-Ceramic	C17,CB29	100nF	C1005	2		Any		
5	C-Ceramic	CB44,CB46	100nF/50V	C2012	2		Any		
6	C-Ceramic	CB50	100nF/25V	C2012	1		Any		
7	C-Elec-SMD	CE1	220uF/50V	ECAP-10.3X10.3	1		Any		
8	C-Elec-SMD	CE2,CE4	220uF/16V	ECAP-6.3X5.3	2		Any	사급	
9	C-Elec-SMD	CE3	220uF/25V	ECAP-8X10	1		Any		
10	C-Tant	CT1,CT2,CT3	10uF/10V	TANT-P	3		Any		
11	C-Tant	CT4,CT5,CT10,CT11	10uF/6.3V	TANT-P	4		Any		
12	C-Tant	CT6,CT9	220uF/16V	TANT-D	2		Any		
13	C-Tant	CT7,CT8,CT14,CT15	47uF/6.3V	TANT-B	4		Any		
14	C-Tant	CT12,CT16	47uF/10V	TANT-B	2		Any		
15	C-Tant	CT13	10uF/10V	TANT-A	1		Any		
16	C-Ceramic	C1,C5	10uF/10V	C3216	2		Any		
17	C-Ceramic	C2,C3,C111	22pF	C1608	3		Any		
18	C-Ceramic	C4	10nF/2KV	C3216	1		Any		
19	C-Ceramic	C6,C7	27pF	C1608	2		Any		
20	C-Ceramic	C8	470nF/50V	C2012	1		Any		
21	C-Ceramic	C9	10uF/16V	C2012	1		Any		
22	C-Ceramic	C10,C19,C132	10uF/16V	C3216	3		Any		
23	C-Ceramic	C11	4.7uF/16V	C2012	1		Any		
24	C-Ceramic	C12,C15,C20	1uF/16V	C1608	3		Any		
25	C-Ceramic	C13,C16	1uF/16V	C2012	2		Any		
26	C-Ceramic	C18	4.7uF/16V	C3216	1		Any		
28	C-Ceramic	C22,C29,C40,C41,C51,C55, C56	1uF	C1608	7		Any		
29	C-Ceramic	C23,C24,C27,C28,C32,C33, C34,C36,C38,C45,C47,C48, C53,C59,C60	100nF/50V	C1608	15		Any		
30	C-Ceramic	C25,C30,C52,C54,C58	4.7uF/20V	C1608	5		Any		
31	C-Ceramic	C26,C31,C35,C37,C39,C43, C44,C46,C57	1uF/20V	C1608	9		Any		
32	C-Ceramic	C42,C49,C139,C140	220pF/16V	C1608	4		Any		
33	C-Ceramic	C62,C65,C80,C89,C90	10uF/25V	C2012	5		Any		
34	C-Ceramic	C63,C66,C68,C84,C93	2.2uF/25V	C1608	5		Any		
35	C-Ceramic	C64,C67	1uF/25V	C1005	2		Any		
36	C-Ceramic	C69	1000pF/25V	C1005	1		Any		
37	C-Ceramic	C73,C76,C77,C85,C91,C92, C94,C96,C98,C100	100nF/25V	C1608	10		Any		
38	C-Ceramic	C74,C78	100pF/25V	C1608	2		Any		
39	C-Ceramic	C75	15PF/25V	C1608	1		Any		
40	C-Ceramic	C79,C86,C87,C88	1000pF/25V	C1608	4		Any		
43	C-Ceramic	C95,C97,C99,C101	10uF/25V	C1608	4		Any		
44	C-Ceramic	C102,C103	10uF	C3216	2		Any		
45	C-Ceramic	C104	15pF	C1608	1		Any		
46	C-Ceramic	C106,C107	7pF	C1608	2		Any		
47	C-Ceramic	C108,C109	18pF	C1608	2		Any		
48	C-Ceramic	C110,C112,C116	68pF	C1608	3		Any		
49	C-Ceramic	C113	100pF	C1608	1		Any		
50	C-Ceramic	C114	12pF	C1608	1		Any		
51	C-Ceramic	C115	2pF	C1608	1		Any		
52	C-Ceramic	C117	75pF	C1608	1		Any		
53	C-Ceramic	C118	5pF	C1608	1		Any		
54	C-Ceramic	C119,C144	10pF	C1608	2		Any		
55	C-Ceramic	C120,C126,C142,C143 C135,C136,C137,C138,C72	10nF	C1608	9		Any		
56	C-Ceramic	C121,C127	470pF	C1608	2		Any		
57	C-Ceramic	C122,C125,C128,C131	1nF	C1608	4		Any		
58	C-Ceramic	C123,C129	10uF/6.3V	C1608	2		Any		
59	C-Ceramic	C124,C130	22nF	C1608	2		Any		
61	LED	DL1	RED	LED1608	1		Any		
62	Zener Diode	DZ1	KDZ6.8V	USC	1		KEC		
63	Zener Diode	DZ2	KDZ16V	USC	1		KEC		
64	Zener Diode	DZ3,DZ4,DZ5,DZ6	KDZ5.1	USC	4		KEC		
65	Shortkey Diode	D6,DZ7	SK32	SMB	2		Diodes		
66	Shortkey Diode	D1,D4	RB160M-30 TR	SOD123	2		Diodes		
67	Shortkey Diode	D2,D3	BAT54S	SOT23	2		Diodes		
68	Shortkey Diode	D5	KDR357	USC	1		KEC		
69	EMI Filter	E1	ACH4518-333/FILTER/SMD	SMD	1		TDK		

70	Poly SW	F1	MINISMDC150F-2	SMD	1		TYCO		
73	Connector	J1	AXK6F00547YG [HEADER]	SMD	1		Panasonic		
74		J2	AXK5F00547YG [Socket]	SMD	1		Panasonic		
75		J3	05004HR-50A02	SMD	1		연호		
76		J4	10027HR-04C	SMD	1		연호		
77		J5,J6,J9	20037WR-02	SMD	3		연호		
78		J7	AXA2R73061	SMD	1				
79		J8	SMA-RECEPTACLE	DIP-RIGHTANGLE	1		Any	사급	
80		J10,J11,J12,J13	ICA567(NONHOLE)	SMD	4		Hambug	사급	
81		J14,J15	12505WS-05A00	SMD	2		연호		
82		J16	HIF3BA-26PA-2.54DS(71)	DIP	1		Hirose		
83		J17	USB Port A type(HOST)	DIP	1		Any		
87	Inductor	L1	VLF3010AT-4R7(MR70)	SMD	1		Any		
88		L2	CDRH3D11HPNP-100NB	SMD	1		Any		
89		L6,L7	LQH32MN1R0M23L	SMD	2		Any		
90		L8,L9	SFOP7850-39uH	7850	2		삼화테크		
91	Ossillator	OSC1	SCO-10(24.576MHz)-3.3V	SCO-10	1		Any		
92		OSC2	(40MHz)-3.3V	5032	1	20ppm	Any	사급	
93		OSC3	(32.768KHz)-3.3V	5032	1		Any	사급	
94		OSC4	SCO-10(3.6864MHz)-5V	SCO-10	1		Any		
95	FET	QF1	SI2301DS	SOT23	1		Vishay		
96	TR	Q1,Q2	MMBT4403	SOT23	2		Mot		
97	R	RA1,RA2	100K	ARRAYS8-3216	2		Any		
98		RA3,RA4	0R	ARRAYS8-3216	2		Any		
99		R1,R2,R27,R107,R108,R109, R110,R111,R112,R113,R148, R149,R150,R151,R160,R161, R162,R163,R168,R169,R170, R171,R172,R179,R180,R181, R182,R183,R190,R119	10K	R1608	30		Any		
100		R3,R4,R38,R193	2.2K	R1608	4		Any		
101		R81,R84,R86,R96,R102,R5,R37, R103,R121,R138,R141	0R	R1608	11		Any		
102		R6,R15,R16,R17,R18,R23, R24,R25,R26,R28,R29,R79, R93,R134,R135,R136,R139, R140,R155	100R	R1608	19		Any		
103		R7	6.8K/F 1%	R1608	1		Any		
104		R8,R9,R10,R11	49.9R/1%	R1608	4		Any		
105		R12	75R	R1608	1		Any		
106		R13,R14	1K	R1608	2		Any		
107		R19,R20,R21,R22,R78,R92, R154	4.7K	R1608	7		Any		
109		R32,R33,R36,R53,R55,R62, R65,R67,R70	10K	R1005	9		Any		
110		R34	30R	R1608	1		Any		
111		R35	1R/1%	R1608	1		Any		
114		R50	1K	R1005	1		Any		
115		R52	33K	R1005	1		Any		
116		R60	1.5K	R1005	1		Any		
117		R64,R68	110K	R1005	2		Any		
118		R66,R69	15K	R1005	2		Any		
119		R75,R89	120K	R1608	2		Any		
120		R76,R90	180K	R1608	2		Any		
121		R77,R82,R91,R97	20K	R1608	4		Any		
122		R80,R88,R94,R98,R118, R120,R157,R164,R165	100K	R1608	9		Any		
123		R83,R87,R158,R188,R189	47K	R1608	5		Any		
124		R85	680R	R1608	1		Any		
125		R95,R99,R100,R101	47R	R1608	4		Any		
126		R104	220K 1%	R2012	1		Any		
127		R105	100K 1%	R2012	1		Any		
128		R106,R147	0R	R2012	2		Any		
131		R123,R124,R125,R126,R127, R128,R129	51K	R1608	7		Any		
132		R130,R144,R194,R195	33R	R1608	4		Any		
133		R133	470K	R1608	1		Any		
134		R137,R143,R145,R192,R198	3.3R	R1608	5		Any		
135		R142	2.2R	R1608	1		Any		
137	R152,R153	820R	R1608	2		Any			
138	R156	220R	R1608	1		Any			
139	R159,R196,R197	15K	R1608	3		Any			
140	R166,R176,R177,R187	2.2M	R1608	4		Any			
141	R167,R178	2K	R1608	2		Any			
142	R173,R184	24K	R1608	2		Any			
143	R174,R185	4.7R	R1608	2		Any			
144	R175,R186	2.7K	R1608	2		Any			
145	Tack SW	SW1,SW2	SKRPABE010	SMD	2		ALPS		
147	Ethernet Trans	T1	11FB-17NL	SMD	1				
148	Balun Trans	T2	1812WBT-3LC	SMD	1		Coilcraft		
149	USB Filter	T3	ACM2012-900-2P	2012	1		TDK		
150	Ethernet	U1	DM9000BEP	QFP48	1		Davicom		
151	4 UART	U2	TL16C554_PQFP	QFP48	1		TI		
152	232 Driver	U3,U4,U5	SP3232EEY-L/TR	TSSOP16	3		Sipex		
153	TTL	U6	74LVC138	TSSOP16	1		Any		
154	LED Driver	U7	KTD258EAD-TR	SOT23-6	1		Kinetic		

155	DC-DC	U8	MP1541	SOT23-5	1	MPS		
156	AMP	U9,U11	LM4861M	SO8-P6.1	2	National		
157	AC97 Codec	U10	WM9713LGEFL/RV	QFN48	1	Wolfson micro		
158	LDO	U12	MIC5219BM5	SOT23-5	1	Micrel		
159	LDO	U13	XC6209F302MR	SOT23-5	1	Torex		
160	LDO	U14	XC6209F182MR	SOT23-5	1	Torex		
161	Reset	U15	MAX6412UK22	SOT23-5	1	Maxim		
162	BT WiFi	U16	WM-BG-MR-04	SMD	1	USI		
163	RFID	U17	MFRC531	SOP32	1	NXP		
164	TTL	U20	74LVC4052	TSSOP16	1	Any		
165	F2F Decoder	U21,U23	F2F2000SN	TSSOP24	2	Zepetronix		
166	DC-DC	U25	LM2596-5.0	TO263AB-6L	1	National		
167	DC-DC	U26	LM2596ZJCN-3.3	TO263AB-6L	1	National		
168	EMI Filter	U27,U28,U29	NUF8401MN	DFN16	3	On semi		
169	Varistor	VR1,VR2,VR3,VR4,VR5,VR6, VR7,VR8,VR9,VR10,VR12	VSL1608X18NR(120P)	V1608	11	Any		
170	TVS	VR11	SMAJ5.0CA	SMA	1	Diodes		
171	TVS	VR13,VR14,VR17	SMF05C	SOT23-6(0.65)	3	Semtech		
172	Surge	VR15	DSS301	DIP	1	Mitsubishi		
173	TVS	VR16	SMCJ43CA	SMC	1	Diodes		
175	X-Tal	X1	SP18130D3-25.00-GT&R	SX-32	1	Suny		
176		X2	SJ18130D3-3.6864-GT&R	SX-1	1	Suny		
177		X3	SP18130D3-13.56-GT&R	SX-32	1	Suny		

SPS-700A-CORE-BOM

No.	품명	Description		Package	Qty	REF. NO
1	Battery	MS621S	BAT. MS621S	MS621S	1	BT2
2	C-Ceramic	2.2uF	C-C. 2012K 2.2uF/25V	C2012	2	CTA6,CTA5
3	C-Tantal	10uF	C-T. 2012K 10uF/10V	TANTAL 2012	35	CT1,CT2,CT3,CT4,CT5,CT6,CT7,CT8,CT9,CT10,CT11,CT12,CT13,CT14,CT15,CT16,CT17,CT18,CT19,CT20,CT21,CT22,CT23,CT24,CT25,CT26,CT27,CT28,CTA1,CTA2,CTA3,CTA4,CTA7,CTA8,C71
4	C-Ceramic	1.8nF	C-C.1608K 1.8nF/50V	C1608	1	C5
5	C-Ceramic	100nF	C-C.1608J 100nF/50V	C1608	12	C1,C3,C4,C6,C7,C28,C72,C73,C74,C75,C99,C100
6	C-Ceramic	100nF	C-C. 1005K 100nF/50V	C1005	55	C8,C9,C10,C11,C12,C13,C14,C15,C16,C17,C19,C22,C24,C25,C26,C27,C30,C31,C32,C33,C35,C36,C37,C38,C39,C40,C41,C42,C43,C44,C45,C46,C47,C48,C49,C50,C51,C52,C53,C54,C55,C56,C57,C58,C59,C60,C61,C62,C63,C64,C65,C66,C67,C68,C98
7	C-Ceramic	1uF	C-C. 1005J 1uF/6.3V	C1005	2	C21,C18
8	C-Ceramic	10nF	C-C. 1005J 10nF/16V	C1005	2	C20,C23
9	C-Ceramic	13pF	C-C. 1608J 13pF/50V	C1608	2	C69,C70
10	C-Ceramic	25pF	C-C. 1608J 25pF/50V	C1608	2	C76,C77
11	C-Ceramic	15pF	C-C. 1608J 15pF/50V	C1608	2	C78,C79
12	C-Ceramic	1uF	C-C. 1608J 1uF/10V	C1608	3	C86,C96,C97
13	C-Ceramic	10nF	C-C. 1608J 10nF/50V	C1608	2	C87,C94
14	C-Ceramic	22uF	C-C. 3216M 22uF/10V	C3216	3	C88,C90,C93
15	C-Ceramic	10uF	C-C. 2012K 10uF/10V	C2012	3	C89,C91,C92
16	C-Ceramic	470pF	C-C. 1608K 470pF/50V	C1608	1	C95
17	Diode	CMDSH-3	DIODE. CMDSH-3	USC	1	D28

18	Connector	AXK5F00547YG [Socket]			1	J1
19		AXK6F00347YG [HEADER]			1	J2
20		SIP-10P(2MM)	CON. SIP-10P(2MM) Socket	SIP-10P(2MM)	1	J3
21	Bead	HH-1M1608-121J	B-D. HH-1M1608-121JT	L1608	2	L5,L1
22		HH-1M2012-600J	B-D. HH-1M2012-600JT	L2012	3	R45,R46,R47
23	Inductor	DLCB2D14-1R23R3, 3.3uH	I-D. DLCB2D14-1R23R3, 3.3uH	CDRH2D14	1	L2
24		DLCB2D14-1R52R2, 2.2uH	I-D. DLCB2D14-1R52R2, 2.2uH	CDRH2D14	2	L3,4
25		VLF3010AT-4R7MR70, 4.7uH	I-D. VLF3010AT-4R7MR70, 4.7uH	VLF3010AT-4R7MR70	1	L6
26	Osillator	DXO32251-48.000, 48MHz	OSC. DXO32251 48MHz	SCO-32	1	OSC1
27	R	100K	R. 1608J 100K	R1608	12	R3,R14,R15,R16,R17,R18,R19,R39,R40,R41,R42,R79
28		0R	R. 1608J 0R	R1608	24	R1,R4,R7,R8,R9,R10,R11,R25,R50,R52,R53,R56,R58,R60,R63,R64,R65,R69,R70,R71,R72,R213,R217,R232
29		6.49K/1%	R. 1608F 6.49K	R1608	1	R5
30		44.2RK/1%	R. 1608F 44.2R	R1608	1	R13
31		10K	R. 1608J 10K	R1608	16	R20,R21,R24,R28,R48,R49,R54,R68,R78,R207,R208,R209,R218,R221,R222,R220
32		300K/1%	R. 1608F 300K	R1608	1	R55
33		130K/1%	R. 1608F 130K	R1608	1	R57
34		63K/1%	R. 1608F 63K	R1608	1	R61
35		330K/1%	R. 1608F 330K	R1608	1	R62
36		390K/1%	R. 1608F 390K	R1608	2	R43,R44
37		1K	R. 1608 1K	R1608	2	R66,R67
38		470R	R. 1608 470R	R1608	1	R215
39		1M	R. 1005 1M	R1005	2	R225,R226
40		5M	R. 1005 5M	R1005	1	R227
41	10K	R. 1005 10K	R1005	2	R228,R229	
42	0R	R. 1005 0R	R1005	3	R230,R231,R281	
43	Switch	TACT SW	SW. TACT-1101SQ	1101SQ	1	SW3
44	IC	S3C6410X	IC. S3C6410X	S3C6410X	1	U2
45		TPS3801L30DCKR	IC. TPS3801L30DCKR	TPS3801L30DCKR(SC70-5)	1	U8
46		K4X51163PE-FGC3	IC. K4X51163PE-FGC3	K4X51163PE(FBGA)	2	U5,U6

47		K9GAG08U0M-PCB0	IC. K9GAG08U0M-PCB0	TSSOP48	1	U7
48		MP2104DJ	IC. MP2104DJ	MP2104DJ(SOT23-5)	1	U18
49		XC6210B122MR	IC. XC6210B122MR	XC6210B122MR(SOT23-5)	2	U14,U16
50		TPS650243RHBT	IC. TPS650243RHBT	TPS650243RHBT-1(QFN)	1	U15
51		MIC5205-3.0BM5	SOT23-5	SOT23-5	1	U17
52	X-Tal	DX3215-32.768-12.5	DX3215 32.768KHz	DX3215	1	X1
53		SX-8 27MHZ	XT. SX-8 27Mhz	SX-8	1	X2
54		SX-8 12MHZ	XT. SX-8 12MHZ	SX-8	1	X3