

# BSC/ISC-101A MAIN Part List

No	Quantity	Value	Part Reference
1	5	R Array 22Ω/J	AR1,AR2,AR3,AR4,AR5
2	60	0.1uF / 1608	BC1,BC2,BC3,BC4,BC5,BC6,BC7,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,BC34,BC35,BC36,BC37,BC38,BC39,BC40,BC41,BC42,BC43,BC44,BC45,BC46,BC47,BC50,BC51,BC52,BC53,BC54,BC56,BC57,BC58,BC59,BC60,C15,C16,C17,C18,
3	1	Battery MS621	BT1
4	1	GEC-05S(5V/9.6Φ)	BZ1
5	2	1000pF / 1608	B1,B2
6	1	연호 커넥터 20022WS-10 / SMD	CN1
7	4	0.01uF / 1608	C1,C12,C19,C20
8	1	10uF/35V/X5R	C2
9	2	22uF/16V/X5R	C3,C4
10	1	0.0039uF / 1608	C5
11	1	1200pF / 1608	C6
12	1	680pF / 1608	C7
13	2	15pF / 1608	C8,C9
14	2	12pF / 1608	C10,C11
15	2	18pF / 1608	C13,C14
16	1	1uF / 1608	C21
17	1	KDS181 / SOT-23	DN1
18	2	KDS226 / SOT-23	DN2,DN3
19	1	BZB84-B6V2	DZ1
20	1	SK34	D1
21	2	S2G	D2,D3
22	2	47uF/25V(CAN 6Ø)	EC1,EC3
23	1	330uF/6V(CAN 8Ø)	EC2
24	1	47uF/35V(CAN 8Ø)	EC4
25	7	Chip Bead HB-1M2012-300JT	FB1,FB2,FB3,FB4,FB5,FB11,FB12
26	1	Poly Switch 1.0A SMD 4532	G1
27	1	1x7 HEADER SOCKET 2mm	J1
28	2	2x7 HEADER SOCKET 2mm SM	J3,J4 (몰드 높이 2.2mm)
29	2	Chip LED RED / 2012	LD1,LD3
30	1	Chip LED GREEN / 2012	LD2
31	1	10uH/2A_LPF7030T-100M	L1
32	1	XRJM-S-01-8-8-1-F1(01)	MACJACK1
33	2	MMBT3906 / SOT23	Q1,Q2
34	6	MMBT2222 / SOT23	Q5,Q6,Q7,Q8,Q9,Q10
35	1	PJ1117CW-3.3 / SOT223	RG1
36	1	PJ1117A / SOT223	RG2
37	1	44.2KΩ (1%)	R1
38	1	10KΩ (1%)	R2
39	12	4.7KΩ	R3,R28,R40,R46,R48,R52,R76,R78,R80,R82,R84,R100
40	6	10Ω	R4,R5,R7,R8,R51,R53

41	1	2.2K $\Omega$	R6
42	2	75 $\Omega$ (1%)	R9,R45
43	3	1K $\Omega$	R10,R49,R50
44	13	10K $\Omega$	R11,R25,R58,R59,R60,R61,R63,R64,R77,R79, R81,R83,R85
45	8	0 $\Omega$	R13,R14,R15,R18,R19,R20,R26,R70
46	2	22 $\Omega$	R21,R23
47	1	1M $\Omega$	R29
48	5	470 $\Omega$	R30,R31,R55,R66,R67
49	1	300 $\Omega$ (1%)	R32
50	1	12K $\Omega$ (1%)	R33
51	10	49.9 $\Omega$ (1%)	R34,R35,R36,R37,R38,R39,R41,R42,R43,R44
52	2	100 $\Omega$	R47,R75
53	5	Chip Diode KDS4148U	SD1,SD2,SD3,SD4,SD5
54	1	MSL-2C2P-SMD	SW2
55	11	Chip Tantal 10uF/6.3V 2012	TC1,TC2,TC3,TC4,TC5,TC6,TC7,TC8,TC9,TC12,TC
56	4	Chip Tantal 4.7uF/10V 2012	TC10,TC11,TC13,TC15
57	3	Chip Tantal 10uF/16V 2012	TC16,TC18
58	1	EUP3484	U1
59	1	MIC811RU / SOT143	U2
60	1	CPU S3C2440A-40	U3
61	1	FLASH K9F1208	U4
62	1	SDRAM K4S561632	U5
63	1	74LVC245APW	U6
64	1	W5100	U7
65	1	Transformer LF-H17S-C	U8
66	1	MAX232CSE / SOP	U9
67	2	R Array 10K $\Omega$ /J	XR2,XR3
68	1	16.9344MHz SX-8 SMD	X1
69	1	25MHz SX-8 SMD	X2
70	1	32.768KHz MC-146 SMD	Y1
71	1	TNR SVR390K	Z1
72	1	05003HR-20B02	J2
73	1	12505WS-03	CT1
74	1	AX10036-01	128x64 Graphic LCD
BSC-101A only			
75	1	FPC Cable 20pin	J2와 FS11 연결용
76	1	FS11	Digent Optical Sensor

## BSC/ISC-101A CARD KEY Part List

No	Quantity	Value	Part Reference
1	1	ATmega8-16AU	U1
2	1	74HC00	U2
3	1	74HC123	U3
4	1	13.56MHz-10ppm	X1
5	17	10pF/J(100)	C5~20,88
6	2	20pF/J(200)	C2,3
7	1	30pF/J(300)	C38
8	1	47pF/J(470)	C42
9	2	100pF/J(101)	C36,37

10	2	120pF/J(121)	C40,41
11	3	270pF/J(271)	C50,53,59
12	2	680pF/J(681)	C43,44
13	1	1nF/J(102)	C68
14	1	1.8nF/J(182)	C62
15	3	2.2nF/J(222)	C48,76,83
16	1	3.9nF/J(392)	C63
17	2	4.7nF/J(472)	C67,72
18	5	10nF/J(103)	C47,49,51,57,60
19	1	47nF/J(473)	C71
20	6	100nF/J(104)	CP1,C22,23,25,33,45
21	17	1uF/J(105)	C4,26,46,52,55,58,69,70,73,74,77,78,80,81,84, C85,86
22	3	2.2uF/J(225)	C75,79,82
23	3	430pF/J(431)	C64,65,66
24	3	22uF/16V	C21,24,32
25	7	0Ω/J	JP1,3,4,5, R69,74,108
26	1	10Ω/J	R43
27	6	47Ω/J	R52,55,57,60,63,67
28	10	100Ω/J	R3,81,83,85,90,92,98,99,104,110
29	1	180Ω/J	R53
30	17	200Ω/J	R4~19,R39
31	1	390Ω/J	R58
32	18	470Ω/J	R23~38,97,117
33	1	680Ω/J	R56
34	8	1KΩ/J	R42,47,49,77,86,93,100,107
35	2	1.5KΩ/J	R75,76
36	1	2KΩ/J	R59
37	4	2.2KΩ/J	R45,51,62,70
38	1	2.7KΩ/J	R64
39	4	3.3KΩ/J	R84,91,105,106
40	4	4.7KΩ/J	R1,44,48,68
41	5	6.8KΩ/J	R50,61,87,94,101
42	7	10KΩ/J	R20~22,54,72,73,80
43	4	20KΩ/J	R82,89,96,103
44	1	22KΩ/J	R65
45	4	47KΩ/J	R88,95,102,109
46	2	100KΩ/J	R46,79
47	1	1MΩ/J	R2
48	6	MMBT4401	Q7,8,9,10,11,12
49	6	BC817-25	Q1,2,3,4,5,6
50	1	EDS7000	D3
51	1	2N7002	F1
52	1	NLV25T-1R0-PF(1uH)	L2
53	1	NLV25T-100-PF(10uH)	L1
54	2	NLV25T-101-PF(100uH)	L3,4
55	1	KDS181	D4
56	1	KDS184	D2
57	16	Chip LED RED	LED4~19
58	1	05003HR-18B02	CN2
59	1	05003HR-16B02	CN3

60	1	53261-0271	CN4
61	1	내경 WDH (39*35*2)	wire 0.19 / 119 turns / 1.30mH
62	1	TS20	U4
63	2	2*7(2mm pitch)	J1,2
64	1	20010WR-02	J3