



易思凯贸易有限公司
ESKY Trade CO., LTD

B O M

MODEL:ET102B

REV:01

ITEM	PARTS CODE	NAME	SPECIFICATION	UNIT	AMOUNT	LOCATION	REMARK
1	02-08050000-00	chip-res	Chip-RES SMD 0 $\pm$ 5% 0805 1/10W	PCS	1	J2	
2	02-08052010-00	chip-res	Chip-RES SMD 200 $\pm$ 5% 0805 1/10W	PCS	3	R2, R3, R4	
3	02-08052210-00	chip-res	Chip-RES SMD 220 $\pm$ 5% 0805 1/10W	PCS	2	R9, R15	
4	02-08051020-00	chip-res	Chip-RES SMD 1K $\pm$ 5% 0805 1/10W	PCS	1	R11	
5	02-08051220-00	chip-res	Chip-RES SMD 1.2K $\pm$ 5% 0805 1/10W	PCS	1	R14	
6	02-08054720-00	chip-res	Chip-RES SMD 4.7K $\pm$ 5% 0805 1/10W	PCS	1	R17	
7	02-08051030-00	chip-res	Chip-RES SMD 10K $\pm$ 5% 0805 1/10W	PCS	2	R13, R16	
8	02-08054730-00	chip-res	Chip-RES SMD 47K $\pm$ 5% 0805 1/10W	PCS	3	R6, R7, R8	
9	02-08051040-00	chip-res	Chip-RES SMD 100K $\pm$ 5% 0805 1/10W	PCS	1	R12	
10	08-RV165020-00	potentiomete	metal shaft precisionRV16KN-1W-25BA0-0B502/L865 D=6mm	PCS	2	VR1, VR2	
11	08-RV125020-00	potentiomete	metal shaft precisionRV120N-1W-11BN-0B502-80° D=3.5mm	PCS	1	VR3	
12	12-08052500-00	chip-cap	CAP MULTILAYER 25PF/50V J 0805	PCS	2	C21, C22	
13	12-08051020-00	chip-cap	CAP MULTILAYER 102PF/50V J 0805	PCS	2	C12, C13	
14	12-08051040-00	chip-cap	CAP MULTILAYER 104PF/50V Z 0805	PCS	11	C2-C4, C6-C8, C11, C14, C17, C19, C20	
15	09-11604760-00	ELE-cap	47uF/16V $\pm$ 20%+105°C MIN E-CAP 5*7mm	PCS	2	C16, C18	
16	30-105X02RE-00	LED	ϕ 5 red with clear shuck normal brightness	PCS	1	D3	
17	30-105X02GR-00	LED	ϕ 5 green with clear shuck normal brightness	PCS	1	D4	
18	23-LL414800-00	diode	Fast Switching Diode LL4148 1206 I=150mA	PCS	2	D2, D5	
19	19-LM78L050-01	IC	LM78L05 regulator SMD SOT-89	PCS	1	IC2	
20	15-EM78P458-00	IC	EMC EM78P458AM SOL-20	PCS	1	IC1	
21	20-2SC90141-00	transistor	Silicon NPN Transistor 2SC9014 SOT23 1A (Motorola)	PCS	1	Q1	
22	28-40000001-00	crystal	Crystal HC-49S Series 4.000MHZ $\pm$ 20ppm H=3.5mm	PCS	1	XY1	
23	35-010CNCL0-00	inductor	CHOKE COLL CNCL-1R0K 1uH $\pm$ 20%0.18 Ω	PCS	1	L1	
24	37-22F25G12-00	SLIDE SW	SS22F25-G12 DPDT	PCS	3	SW1-SW2	
25	37-22F25G50-00	SLIDE SW	SS22F25-G5 SPDT	PCS	1	SW4	
26	39-5P000001-00	PIN	5PIN pitch2.54*18mm	PCS	1		
27	42-30975070-00	ANT	975mm 65 $\times$ 7mm 7SEGMENT ϕ 3.0 inner	PCS	1	ANT	
28	42-XA120101-00	WIRE	red&black, 26# L=120mm(XA120101)	PCS	2	power wire	



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29	43-XA045101-00	WIRE	white singal wire with washer 26# L=45±3mm 3mm plated	PCS	1	ANT	
30	43-XA150301-00	WIRE	3pin male 26# L=150mm 2mm (XA150301)	PCS	1	CON4	
31	43-XA150303-00	WIRE	3Pin 4Pin male 26# L=150mm 2.5mm (XA150303)	PCS	1	CON1	
32	43-XA180724-00	WIRE	6Pin 7Pin male 26# L=180mm 2mm (XA180724)	PCS	1	CON2	
33	44-06120030-00	JUMPER	φ 0.6mm jumper L=12mm foot=3mm	PCS	1	J1	
34	52-ET102A00-01	PCB	110X60mm Only Layer 94HB T=1.6mm REV:01	PCS	1	mainboard	
35	BP-EF135A00-00	RF module	EF135A 35M RF MODULE	PCS	1		OPTIONAL
36	BP-EF140A00-00	RF module	EF140A 40M RF MODULE	PCS	1		OPTIONAL
37	BP-EF172A00-00	RF module	EF172A 72M RF MODULE	PCS	1		OPTIONAL
38	39-4D000003-00	pin holder	2.54*4Pin 90° pin holder DIP	PCS	1	CON1	
39	49-06X05L05-00	buckle	6*5mm rubber L=5mm	PCS	1		

APPROVED:

CHECKED:

DESIGNED: