

Parts List

Item	Control number	Part Specification	Part Number on Schematics
1	71-270500-01	XI-1250A V0.1 PCBA	1
		6V	1
2	01-030001-68	Chip Res. 0 Ω	11
		5% 1/16W 0603	R4,7,9,45,66,80,91,106,115, 1 C115,C116
3	01-010002-11	Chip Res. 200 Ω	1
		0402 \pm 5%	1 R20
4	01-030001-53	Chip Res. 150 Ω	4
		\pm 5% 1/ 16W 0402	1 R24,25,29,35
5	01-030001-54	Chip Res. 12K Ω	3
		\pm 5% 1/16W 0402	1 R47,78,109
6	01-030001-55	Chip Res. 20 Ω	4
		\pm 5% 1/16W 0402	1 R48,64,82,111
7	01-030001-57	Chip Res. 18 Ω	3
		\pm 5% 1/16W 0402	1 R28,110,113
8	01-030001-58	Chip Res. 1K Ω	2
		\pm 5% 1/16W 0402	1 R41,112
9	01-030001-65	Chip Res. 4.7K Ω	2
		\pm 5% 1/16W 0402	1 R40,63
10	01-030001-66	Chip Res. 47K Ω	10
		\pm 5% 1/16W 0402	R6,26,27,54,92,100,102,104, 1 114,116
11	01-030001-67	Chip Res. 2K Ω	1
		\pm 5% 1/16W 0402	1 R67
12	01-030001-76	Chip Res. 1.5K Ω	5
		\pm 1% 1/16W 0402	1 R21,22,31,32,50
13	01-030001-85	Chip Res. 3.3k Ω	6
		5% 1/16W 0402	1 R5,10,16,17,18,93
14	01-030001-87	Chip Res. 390 Ω	1
		5% 1/16W 0402	1 R39
15	01-030002-01	Chip Res. 2.2KR	1
		\pm 5% 1/16W 0402 50V	1 R44
16	01-030002-09	Chip Res. 1.8K Ω	1
		\pm 5% 0402 1/16W	1 R69

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17	01-030002-11	Chip Res. 4.7K Ω $\pm 5\%$ 0402 1/16W	1 1 R43
18	01-030002-15	Chip Res. 24K Ω $\pm 5\%$ 0402 1/16W	1 1 R46
19	01-030002-17	Chip Res. 47 Ω $\pm 5\%$ 0402 1/16W	1 1 R90
20	01-030002-18	Chip Res. 130 Ω $\pm 5\%$ 0402 1/16W	1 1 R38
21	01-030002-19	Chip Res. 250 Ω $\pm 5\%$ 0402 1/16W	1 1 R2
22	01-030002-21	Chip Res. 330 Ω $\pm 5\%$ 0402 1/16W	4 1 R3,71,94,96
23	01-030002-27	Chip Res. 2.7K Ω $\pm 5\%$ 1/16W 0402	1 1 R58
24	01-070001-00	Thermistor Res. 10K Ω 0402 $\pm 5\%$	1 1 R70
25	11-010001-20	Chip Cap. 1.5pF ± 0.25 pF 50V NPO 0402	1 1 C62
26	11-010001-21	Chip Cap. 100nF -20+80% 16V Y5V 0402	35 C3-14,19,20,22,25,31,87,88,9 4,96,97,113,114,120,121,124- 1 130,136,138
27	11-010001-22	Chip Cap. 10nF 10% 16V X7R 0402	17 C16,45,49,53,66,69,73,78,81, 1 83,85,90,92,98,100,103,117
28	11-010001-23	Chip Cap. 1nF 10% 50V X7R 0402	5 1 C38,46,65,68,143
29	11-010001-24	Chip Cap. 22nF -20+80% 16V Y5V 0402	2 1 C76,77
30	11-010001-25	Chip Cap. 22pF 5% 50V NPO 0402	23 C1,2,28,39,47,48,55,57,70,74 ,82,89,99,102,105,110,111,11 1 8,140-142,144,145
31	11-010001-26	Chip Cap. 220pF 5% 25V NPO 0402	1 1 C44

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32	11-010001-27	Chip Cap. 10pF 5% 50V NPO 0402	8 1 C32,34,36,37,40,42,52,75
33	11-010001-28	Chip Cap. 100pF $\pm 10\%$ 50V X7R 0402	14 C27,29,43,54,59,60,71,79,80, 1 112,132,133,134,139
34	11-010001-29	Chip Cap. 2.2pF $\pm 0.25\text{pF}$ 50V NPO 0402	1 1 C67
35	11-010001-30	Chip Cap. 7pF $\pm 0.5\text{pF}$ 50V NPO 0402	3 1 C18,108,109
36	11-010001-31	Chip Cap. 3.3pF $\pm 0.25\text{pF}$ 50V NPO 0402	1 1 C58
37	11-010001-38	Chip Cap. 15pF 5% 50V NPO 0402	2 1 C33,41
38	11-010001-40	Chip Cap. 1000pF HV 2KV 1206 type 20%	3 1 C122,123,135
39	11-010001-46	Chip Cap. 2.2nF $\pm 10\%$ 50V X7R 0402	1 1 C17
40	11-010001-57	Chip Cap. 2.2pF $\pm 0.25\text{pF}$ 50V NPO 0402	1 1 C35
41	11-010001-66	Chip Cap. 5pF $\pm 5\%$ 0402 50V NPO	2 1 C61,63
42	11-010001-68	Chip Cap. 2.2 μF 0805 2.2 μF Y5V+80/-20	1 1 C30
43	11-010001-73	Chip Cap. 1.2pF 0402 $\pm 5\%$	1 1 C26
44	11-010001-75	Chip Cap. 27pF 0402 $\pm 5\%$	1 1 C107
45	12-100602-20	Chip Tan Cap. 10 μF /10V 10% TYPE A 1206	4 1 C86,93,95,131
46	12-470603-30	Chip Tan Cap. 47 μF /16V 20% Type D	3 1 C23,24,137
47	20-020001-10	Chip Ind. 3.9nH $\pm 5\%$ 0402	3 1 L8,9,13
48	20-020001-12	Ind. 33nH HI1005-1B33NJMT ACX 0402 $\pm 5\%$	4 1 L1,2,7,22

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49	20-020001-13	Chip Ind. 27nH HI1005-1B27NJMT ACX 0402 ±5%	4 1 L5,10,21,22
50	20-020002-24	Chip Inductor 1.2nH 5% 0402	1 1 L11
51	20-020002-25	Chip Inductors 1.8nH 5% 0402	1 1 L3
52	20-020002-28	Chip Inductors 4.7nH 5% 0402	2 1 L6,23
53	21-010001-00	Chip Bead TB201209G300 100MHz 30R 0805	3 1 L12,14,15
54	23-070001-12	374MHz SAW Filter B3677 374MHz±10MHz EPCOS	1 1 FL1
55	23-070001-13	BPF MDR741F 2.4G IL=1.7dB 2*2.5*1.1	2 1 FL3,FL4
56	23-070001-14	BPF MDR742F 2.4G IL=2.7dB 2*2.5*1.1	2 1 FL2,FL5
57	24-000001-28	Crystal 36.00MHz SIWARD SMD ±25ppm SX-7050	1 1 Y1
58	24-000002-00	Crystal 20MHz 50PPM	1 1 Y2
59	24-100001-04	SMD OSC. 44MHz (RALTRON) 3.3V 50ppm 20pF 25mA 7×5×1.8	1 1 U17
60	25-030001-16	2.4GHz PIFA 305 ANT 31.1L×6.0W×4.6H×0.3t	1 1 J2
61	30-004001-00	Diode SM4001 (SMD) 1A/50V LL41	1 1 D5
62	30-040001-04	LED KP-2012SGC Green 0805	3 1 D1,D2,D3
63	32-02222A-03	TR SST2222A (SMD) Nol SOT23	5 1 Q1,Q2,Q3,Q4,Q6
64	33-020317-00	Mosfet 2SJ317 (SMD) P-CH Power Switching	1 1 U16
65	41-010001-11	IC MAC AT76C502A TQFP-144 3.3V	1 1 U2
66	41-010001-12	I.C. Baseband RF3000	1

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		SSOP-28 Si CMOS	1 U18
67	41-030001-10	I.C. AME8801BEEV LDO 300mA 3.0V SOT-25	2 1 U13,U15
68	41-030001-23	IC regular RT9164-33CG 5V 轉 3.3V 1A SOT-223	1 1 U5
69	41-250001-01	I.C S.S. Transceiver RF2948B LCC 32pin 5*5 3.3V SiBi-CMOS	1 1 U11
70	41-340001-00	IC VCOs Si4126-BM MLP 28pin 3.3V	1 1 U14
71	42-040001-17	I.C. SRAM LP61L1024 12ns 3.3V TSOP-2 128K×8	2 1 U4,U24
72	42-110001-11	IC 39VF040-90-4C-WH SST Flash ROM512K×8 90nsTSSOP	1 1 U3
73	43-020001-00	Ethernet MAC IC-10M 10M bps with PnP	1 1 U19
74	44-010001-02	IC μP Monitor MAX824REUK-T 5Pin SOT-23 Watch dog 2.63V	1 1 U1
75	44-020001-00	IC Bus Transceiver 74ALVC245 3.3V 5.6nS TSSOP-20	1 1 U23
76	45-200001-03	IC MC74VHC1G14 ON Schmidtt Inverter SC70 SOT-353	3 1 U22A,U22B,U22C
77	45-200001-05	IC MC74HC1G32 ON 2-Input OR Gote SOT-353 7Vmax	3 1 U21A,U21B,U21C
78	45-210014-21	I.C. 74HC14 (SMD) Solic HEX-Hchmi-Trigger	1 1 U25
79	46-010001-03	I.C. AM52-0024 Power Amplifier 2.4G Pin=-2 o/p=27.5 I=350 P8	1 1 U8
80	46-010001-10	IC RF2472 2.4G LAN Gain=14dB NF=1.5dB 2.7~4V	1 1 U27
81	46-030001-00	IC LNA/Mixer RF2494 LCC 16pin 4*4 3.3V SiBi-CMOS	1 1 U12
82	46-060001-00	I.C. AS179-92 SPDT IL=.5dB ISL=23dB	2 1 U9,10
83	65-012001-23	Shielding Case (TOP) TMBP t=0.2mm Z450009	1 1

84 65-012001-24	Shielding Case (BOTTOM)	1
	TMBP t=0.2mm Z450008	1

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85	65-012001-50	Shielding Cover XI-825 (中)	1
		16.3×13×1.05 TMBP t=0.15	1 Case1
86	52-060004-02	SMD Standard-MMCX	1
		SMD 180° Standard MMCX	1 J3
87	70-230301-01	XI-1250A V0.1 PCB	1
		6 Layer FR4	1