

NO.	CODE	DESCRIPTION	QTY	REFERENCE
1	0526000242	PCB-AIRMASTER4000D_A2_PCB- 155mm x75mm-4 Layers	1	
2	0504010034	Bridge Rectifiers—DB204S-400V-2A	2	BA1,BA2
3	0502030045	Ceramic Capacitor—0.1uF±10%—16V—X7R—0402	6	C4,C9,C10,C18,C51,C55
4	0502030272	Ceramic Capacitor—10nF±10%—100V—X7R—0603	4	C7,C8,C11,C12
5	0502030273	Ceramic Capacitor—1000pF±10%—2KV—X7R—1808	2	C13,C14
6	0502030109	Ceramic Capacitor—4.7uF±10%—6.3V—X7R/X5R—0603	2	C15,C17
7	0502030112	Ceramic Capacitor—100pF±5%—50V—COG—0402	2	C16,C54
8	0502030111	Ceramic Capacitor—10uF±10%—10V—X5R—0805	2	C19,C26
9	0502030274	Ceramic Capacitor—1000pF±10%—100V—X7R—0603	2	C20,C39
10	0502030140	Ceramic Capacitor—2.2uF±10%—100V—X7R—1210	1	C22
11	0502030073	Ceramic Capacitor—0.1uF±10%—100V—X7R—1206	2	C23,C42
12	0502060013	Radial Alu Capacitor—22uF±20%—100V-DxL=8mmx12mm-105℃	1	C37
13	0502030281	Ceramic Capacitor—1.0uF±10%—100V—X7R—1206	2	C38,C40
14	0502060040	Radial Alu Capacitor - 10uF±20% - 50V -5000H - DxL=5mmx11mm-105℃	1	C43
15	0502030279	Ceramic Capacitor—220nF±10%—25V—X7R—0603	1	C44
16	0502030282	Ceramic Capacitor—47uF±20%—6.3V—X5R—1206	2	C45,C46
17	0502060011	Radial Alu Capacitor—330uF±20%—10V-DxL=6.3mmx11mm-105℃	1	C47
18	0502030276	Ceramic Capacitor—2.2nF±10%—2KV—X7R—1812	1	C48
19	0502030275	Ceramic Capacitor—2.2nF±10%-100V -X7R - 0603	1	C50
20	0502030188	Ceramic Capacitor—22nF±10%—50V—X7R—0603	1	C52
21	0502030280	Ceramic Capacitor—8.2nF±10%—50V—X7R—0603	1	C53
22	0516010001	Chip LED—Green—SMD0805	9	D1,D2,D3,D4,D5,D6,D7,D8,D9
23	0504010038	Surface Mount Diode—1N4148W—75V/500mA—SOD123	2	D10,D24
24	0504010039	Transient Voltage Suppressors—SMCJ58CA-双向58V-1.5KW-SMC	6	D11,D12,D13,D14,D15,D16
25	0504010040	Surface Mount Zener Diode--200mW--15V-SOD323	2	D19,D23
26	0504010041	Fast Rectifiers—MURS120T-200V-1A-SMB	2	D20,D22
27	0504010042	Diode Array-BAV99--200mA--70V-SOT-23	1	D21
28	0505020034	TVS Diode Array—1 channel—15KV/8KV—350W—0.8pF—SOD-323	2	ESD1,ESD2
29	0503030007	Chip Bead-60Ω/100MHz-0.02Ω/DC-3A-0805	3	FB2,FB3,FB7
30	0503030009	Chip Bead-220Ω/100MHz-0.05Ω/DC-2A-0805	2	FB5,FB6
31	0505020017	GDT(Gas Discharge Tube) Device—90V—5KA—3 Terminal—5.0*7.2mm—SMD	2	GDT1,GDT2
32	1205070099	Push Push SIM Card Conn-sd47553	1	J2
33	1205070015	RJ45 Connector—Single—Shielded—18.7mm*16mm*12mm—PTH	1	J3
34	0507030027	RF Connector—MCX—50Ω-6.0x6.0mm-PCB Mount—SMT	2	J9,J10
35	0503010168	Power Inductor-6.8uH±20%—1.1A—DC RES. 108mΩ—5.0x5.0mm-SMT	1	L1
36	0503010170	Power Inductor-10uH±20%—1.1A—DC RES. 160mΩ—6.5x4.5mm-SMT	1	L4
37	0503010171	Power Inductor-1.0uH±20%—6A—DC RES. 9mΩ—13.0x9.5mm-SMT	1	L5
38	0501100017	Radial Leaded PTC Device—Polymer-Based—250V/0.6A—1Ω—16x16mm—PTH	4	PT1,PT2,PT3,PT4
39	0501100014	Radial Leaded PTC Device—Polymer-Based—250V/0.8A—0.4Ω—20x20mm—PTH	1	PT5
40	0504050008	Synchronous MOSFET - 30V-17A--SOP8	1	Q1

41	0504050009	N-Channel MOSFET--150V --3.5A--SOP8	1	Q2
42	0501010107	Thick Film Resistor--10K $\Omega$ $\pm$ 5%--1/16W--0402	4	R1,R25,R27,R42
43	0501010001	Thick Film Resistor--0 $\Omega$ $\pm$ 5%--1/16W--0402	5	R3,R16,R29,R36,R45
44	0501010231	Thick Film Resistor--330 $\Omega$ $\pm$ 1%--1/16W--0402	9	R4,R5,R6,R7,R8,R11,R12,R13,R14
45	0501010233	Thick Film Resistor--1K $\Omega$ $\pm$ 1%--1/16W--0402	2	R15,R48
46	0501010029	Thick Film Resistor--75 $\Omega$ $\pm$ 1%--1/10W--0603	4	R21,R22,R23,R24
47	0501010478	Thick Film Resistor--267k $\Omega$ $\pm$ 1%--1/16W--0402	1	R26
48	0501010479	Thick Film Resistor--59k $\Omega$ $\pm$ 1%--1/16W--0402	1	R28
49	0501010481	Thick Film Resistor--160k $\Omega$ $\pm$ 5%--1/8W--0805	1	R31
50	0501010281	Thick Film Resistor--24.9k $\Omega$ $\pm$ 1%--1/10W--0603	1	R33
51	0501010007	Thick Film Resistor--4.7 $\Omega$ $\pm$ 5%--1/10W--0603	1	R34
52	0501010022	Thick Film Resistor--49.9 $\Omega$ $\pm$ 1%--1/8W--0805	2	R35,R44
53	0501010483	Thick Film Resistor--39.2k $\Omega$ $\pm$ 1%--1/10W--0603	1	R37
54	0501010387	Thick Film Resistor--118k $\Omega$ $\pm$ 1%--1/10W--0603	1	R38
55	0501010484	Thick Film Resistor--162k $\Omega$ $\pm$ 1%--1/10W--0603	1	R39
56	0501010485	Thick Film Resistor--1.27k $\Omega$ $\pm$ 1%--1/10W--0603	1	R40
57	0501010486	Thick Film Resistor--24.9 $\Omega$ $\pm$ 1%--1/10W--0603	1	R43
58	0501010487	Thick Film Resistor--0.39 $\Omega$ $\pm$ 1%--1/2W--1210	1	R46
59	0501010488	Thick Film Resistor--41.2k $\Omega$ $\pm$ 1%--1/10W--0603	1	R47
60	0501010480	Thick Film Resistor--10 $\Omega$ $\pm$ 5%--1/2W--1210	1	R49
61	0501010208	Thick Film Resistor--21k $\Omega$ $\pm$ 1%--1/10W--0603	1	R50
62	0501010489	Thick Film Resistor--2.0k $\Omega$ $\pm$ 1%--1/10W--0603	1	R51
63	0501010490	Thick Film Resistor--13.3k $\Omega$ $\pm$ 1%--1/10W--0603	1	R52
64	0501010044	Thick Film Resistor--249 $\Omega$ $\pm$ 1%--1/10W--0603	1	R53
65	0501040003	Radial ZINC OXIDE VARISTOR--3.5KA--V1ma 82V-- $\pm$ 10%--16x12mm--	3	VR1,VR2,VR3
66	0508050009	PUSH_SW-4PinSMT-8.1mmx4.5mm	1	S1
67	0511050014	LAN Transformer--10/100 base-T-POE--1:1, Single--40~85°C-SMDTR 16 500X370	1	T1
68	0511010004	Synchronous Flyback Transformer-PoE 13W-Triple Secondary- 150uH-5V/2A-22x17mm-SMT	1	T2
69	0524040019	Line Driversr--Octal non-inverting buffer--74LVC541A--3.3V--TSSOP20	1	U1
70	0525070066	Step-Down Converter-AAT1141-600mA-2.7~5.5V Input-Adjustable ouput-SOT23-5	1	U3
71	0525070069	POE PD-IEEE 802.3at type1- With DC/DC Converter	1	U4
72	0506020004	Photocoupler - TLP291 -80V- SOP4_50	1	U7
73	0525070070	Three-terminal Adjustable Shunt Regulators - TLV431A - Vref 1.24V - -40~85°C - SOT23-5	1	U8
74	0205000205	PCBA-LM2000_F35_N_VER1.0	1	U5
75	0526000243	PCB-LM2000-F35-VER1.0_60mm x 40mm-6 Layers	1	
76	0502030151	Ceramic Capacitor--47pF $\pm$ 5%--25V--COG--0201	3	C1,C149,C150
77	0502030152	Ceramic Capacitor--10uF $\pm$ 20%--6.3V--X7R--0603	5	C2,C5,C8,C9,C188
78	0502030111	Ceramic Capacitor - 10uF $\pm$ 10% - 10V - X7R - 0805	5	C3,C4,C12,C74,C75
79	0502030109	Ceramic Capacitor - 4.7uF $\pm$ 10% - 6.3V - X7R/X5R - 0603	11	C7,C10,C11,C13,C14,C82,C83,C97,C115,C175,C178
80	0502030113	Ceramic Capacitor - 1.0uF $\pm$ 10% - 10V - X7R/X5R - 0402	9	C15,C46,C53,C64,C65,C66,C152,C166,C180

81	0502030045	Ceramic Capacitor - 0.1uF±10% - 16V - X7R/X5R - 0402	1	C16
82	0502030153	Ceramic Capacitor - 4.7uF±20% - 6.3V - X7R/X5R - 0402	12	C17,C22,C26,C32,C38,C43,C51,C77,C79,C85,C120,C185
83	0502030154	Ceramic Capacitor - 0.1uF±20% - 6.3V - X7R/X5R - 0201	55	C18,C28,C29,C33,C34,C37,C39,C41,C44,C45,C52,C56,C67,C68,C69,C70,C71,C72,C81,C84,C87,C89,C90,C93,C98,C100,C106,C107,C111,C113,C117,C128,C132,C141,C144,C145,C151,C155,C156,C157,C161,C162,C165,C168,C169,C172,C176,C177,C179,C181,C182,C183,C186,C187,C191
84	0502030155	Ceramic Capacitor - 1.0nF±10% - 25V - X7R - 0201	23	C19,C21,C24,C30,C35,C47,C49,C54,C57,C62,C88,C99,C101,C119,C136,C138,C139,C143,C158,C159,C167,C173,C174
85	0502030267	Ceramic Capacitor - 10pF±2% - 50V - COG - 0201	28	C20,C23,C25,C27,C31,C36,C40,C42,C48,C50,C55,C58,C63,C102,C103,C104,C112,C114,C118,C121,C122,C127,C134,C146,C147,C148,C153,C160
86	0502030264	Ceramic Capacitor - 22uF±20% - 6.3V - X5R - 0603	2	C61,C86
87	0502030256	Ceramic Capacitor - 22pF±5% - 25V - COG - 0201	1	C73
88	0502030157	Ceramic Capacitor - 10nF±10% - 10V - X7R/X5R - 0201	2	C78,C80
89	0502030201	Ceramic Capacitor - 1.5pF±0.1pF - 25V - COG - 0201	4	C91,C95,C96,C109
90	0502030158	Ceramic Capacitor - 100pF±5% - 50V - COG - 0201	10	C92,C94,C123,C124,C126,C130,C137,C154,C170,C171
91	0502030224	Ceramic Capacitor - 1.8pF±0.1pF - 25V - COG - 0201	4	C105,C125,C133,C135
92	0502030160	Ceramic Capacitor - 22uF±20% - 6.3V - X7R/X5R - 0805	2	C108,C129
93	0502030131	Ceramic Capacitor - 270pF±5% - 50V - NPO - 0402	1	C110
94	0502030161	Ceramic Capacitor - 15nF±10% - 16V - X7R/X5R - 0402	1	C116
95	0502030268	Ceramic Capacitor - 8.0pF±0.25pF - 50V - COG - 0201	2	C131,C140
96	0502030254	Ceramic Capacitor - 1.0uF±20% - 6.3V - X5R - 0201	1	C184
97	0503030013	Chip Bead-60Ω/100MHz-0.075Ω/DC-1.5A-0402	8	FB1,FB2,FB3,FB4,FB5,FB6,FB7,FB9
98	0503030010	Chip Bead - 220Ω/100MHz - 0.05Ω/DC - 2A - 0603	2	FB8,FB10
99	0520120025	Balun Filter - Balun/Filter-3.4-3.6GHz-50/50Ω - 2.5x2.0mm-6PIN - SMT	4	F1,F3,F4,F5
100	0503010065	Power Inductor-3.3uH±30% - 1A - DC Resistance 92mΩ - 3x3mm-SMD	2	L1,L2
101	0503010166	Power Inductor-1.2uH±20% - 2.0A - DC Resistance 53mΩ - 2.5x2.0mm-SMT	1	L4
102	0503010113	Film Inductor - 2.4nH±0.1nH - 220mA - DC Resistance 0.21Ω - 0201	2	L8,L16
103	0503010108	Film Inductor - 1.0nH±0.1nH - 750mA - DC Resistance 0.1Ω - 0201	2	L9,L17
104	0503010109	Film Inductor - 2.2nH±0.1nH - 440mA - DC Resistance 0.18Ω - 0201	4	L10,L12,L19,L20
105	0503010099	Film Inductor - 3.6nH±0.1nH - 170mA - DC Resistance 0.45Ω - 0201	2	L14,L15
106	0503010106	Film Inductor - 7.5nH±3% - 220mA - DC Resistance 0.86Ω - 0201	2	L18,L21
107	0504050004	Surface Mount MOSFET - N/P Complementary - 20V/0.54A/0.43A - SOT563-6	4	Q1,Q2,Q3,Q4
108	0501010298	Thick Film Resistor - 300KΩ±1% - 1/20W - 0201	4	R1,R12,R16,R55
109	0501010293	Thick Film Resistor - 150kΩ±1% - 1/20W - 0201	3	R2,R6,R17

110	0501010303	Thick Film Resistor—10KΩ±5%—1/20W—0201	24	R3,R7,R18,R22,R29,R33,R44,R45,R63,R64,R68,R75,R90,R91,R103,R107,R108,R111,R112,R113,R135,R137,R154,R155
111	0501010310	Thick Film Resistor—4.7KΩ±5%—1/20W—0201	12	R4,R36,R57,R58,R59,R60,R85,R93,R110,R124,R128,R129
112	0501010292	Thick Film Resistor—680kΩ±1%—1/20W—0201	1	R5
113	0501010296	Thick Film Resistor - 75KΩ±1% - 1/20W - 0201	2	R8,R10
114	0501010297	Thick Film Resistor - 330KΩ±1% - 1/20W - 0201	2	R9,R11
115	0501010299	Thick Film Resistor—0Ω±5%—1/20W—0201	17	R13,R19,R21,R23,R31,R38,R73,R92,R96,R97,R98,R99,R100,R133,R134,R136,R161
116	0501010295	Thick Film Resistor—200KΩ±1%—1/20W—0201	1	R14
117	0501010392	Thick Film Resistor—1KΩ±1%—1/20W—0201	9	R15,R34,R109,R115,R119,R120,R121,R126,R127
118	0501010361	Thick Film Resistor—180KΩ±1%—1/20W—0201	1	R24
119	0501010360	Thick Film Resistor - 15KΩ±1% - 1/20W - 0201	1	R26
120	0501010300	Thick Film Resistor—100KΩ±1%—1/20W—0201	3	R27,R83,R87
121	0501010317	Thick Film Resistor—100Ω±5%—1/20W—0201	1	R28
122	0501010306	Thick Film Resistor—43.2Ω±1%—1/20W—0201	1	R32
123	0501010477	Thick Film Resistor—6.49KΩ±1%—1/20W—0201	1	R35
124	0501010307	Thick Film Resistor—8.2KΩ±5%—1/20W—0201	2	R39,R40
125	0501010374	Thick Film Resistor—33Ω±1%—1/20W—0201	8	R41,R42,R43,R56,R76,R94,R116,R118
126	0501010394	Thick Film Resistor—49.9KΩ±1%—1/20W—0201	1	R69
127	0501010311	Thick Film Resistor - 200Ω±1% - 1/20W - 0201	4	R77,R80,R131,R132
128	0501010312	Thick Film Resistor - 240Ω±1% - 1/20W - 0201	8	R78,R79,R81,R82,R105,R114,R117,R130
129	0501010314	Thick Film Resistor - 560Ω±1% - 1/20W - 0201	1	R84
130	0501010315	Thick Film Resistor—3.9KΩ±1%—1/20W—0201	1	R86
131	0501010362	Thick Film Resistor—1.8KΩ±1%—1/20W—0201	2	R88,R89
132	0501010179	Thick Film Resistor—10Ω±5%—1/16W—0402	2	R104,R106
133		Top Layer RF screen cover-xx mm*xx mm*xxmm		
134		Top Layer RF screen Frame-xx mm*xx mm*xx mm	1	SC1
135	0525040013	Ethernet PHY-PHY-10M/100M- -45-85°C-3.3V-MLF32	1	U1
136	0525070038	Power Management IC—TPS65051-6 Channels 2DC-DC/4LDO—2.25MHz Switching Frequency -5V Input—DC/DC Adjustable Output 1A/0.6A—LDO 2x0.4A/2x0.2A—4x4mm—QFN32	1	U2
137	0518040008	WiMax Processor - SQN1220 - Dual ARM9-WiMax Baseband/RF - 3.3V/2.5V/1.8V/1.2V - VFPGA361	1	U4
138	0525070067	Step-Down Converter-1.6A-2.7~6.0V Input-Adjustable output-2x2mm-SON8	1	U5
139	0509030013	MobileSDRAM-8M x16bit x4bank-1.8V-133MHz--40~85°C—VFPGA54	1	U6
140	0509050012	Flash Memory-SPI-128Mbit - 3.3V - WSON8	1	U7
141	0520070022	Linear Power Amplifier - WiMax 3.3~3.8GHz-25dbm-4x4mm-4.2V - QFN10	2	U8,U9

142	0525010009	SPDT WiMax Switch—0~6GHz-Insertion Loss 0.5dB-Isolation 25dB— 1.5x1.5mm—TSON6	2	U10,U11
143	0524040018	Logic Gate—And—74LVC1G08—1.65V to 5.5V—SOT353	1	U12
144	0520070034	Low Noise Amplifier-Gain 15dB-2.4~4GHz-Bypass/Shut down Mode-3V- QFN6-2_0X1_3	2	U13,U14
145	0524040017	Logic Gate—Dual Buffer—NC7WZ16P-1.65V to 5.5V—SC70	1	U15
146	0513030028	Oscillator- TCXO-40MHz-2.0ppm-10pF-2.8V--40~85°C-2.5x2.0mm-4Pin- SMD	1	X1