

Part List_Gateway-EM

UID	REF DES	VALUE	PACKAGE	FOOTPRINT	X LOC	Y LOC	ROTATION
1	BC1	0.1uF	CAP_NP	SM/C_0603	188.48 mm	83.22 mm	90
2	BC2	0.1uF	CAP_NP	SM/C_0603	182.48 mm	83.22 mm	90
3	BC3	0.1uF	CAP_NP	SM/C_0603	197.90 mm	101.64 mm	180
4	BC4	0.1uF	CAP_NP	SM/C_0603	197.90 mm	95.64 mm	180
5	BC5	0.1uF	CAP_NP	SM/C_0603	172.98 mm	95.64 mm	0
6	BC6	0.1uF	CAP_NP	SM/C_0603	172.98 mm	89.64 mm	0
7	BC7	0.1uF	CAP_NP	SM/C_0603	187.98 mm	108.14 mm	270
8	BC8	0.1uF	CAP_NP	SM/C_0603	181.98 mm	108.14 mm	270
9	BC9	0.1uF	CAP_NP	SM/C_0603	86.91 mm	41.50 mm	180
10	BC10	0.1uF	CAP_NP	SM/C_0603	99.99 mm	45.00 mm	90
11	BC11	0.1uF	CAP_NP	SM/C_0603	94.49 mm	29.50 mm	270
12	BC12	0.1uF	CAP_NP	SM/C_0603	87.02 mm	31.37 mm	180
13	BC13	0.1uF	CAP_NP	SM/C_0603	80.57 mm	62.49 mm	0
14	BC14	0.1uF	CAP_NP	SM/C_0603	82.99 mm	50.00 mm	0
15	BC15	0.1uF	CAP_NP	SM/C_0603	103.99 mm	39.00 mm	0
16	BC16	0.1uF	CAP_NP	SM/C_0603	103.99 mm	31.00 mm	0
17	BC17	0.1uF	CAP_NP	SM/C_0603	90.91 mm	74.99 mm	180
18	BC18	0.1uF	CAP_NP	SM/C_0603	104.99 mm	74.99 mm	0
19	BC19	0.1uF	CAP_NP	SM/C_0603	80.99 mm	36.50 mm	180
20	BC20	0.1uF	CAP_NP	SM/C_0603	80.99 mm	31.50 mm	180
21	BC21	0.1uF	CAP_NP	SM/C_0603	80.99 mm	41.50 mm	180
22	BC22	0.1uF	CAP_NP	SM/C_0603	116.29 mm	43.06 mm	180
23	BC23	0.1uF	CAP_NP	SM/C_0603	148.06 mm	59.54 mm	0
24	BC24	0.1uF	CAP_NP	SM/C_0603	162.55 mm	71.03 mm	270
25	BC25	0.1uF	CAP_NP	SM/C_0603	161.05 mm	46.16 mm	90
26	BC26	0.1uF	CAP_NP	SM/C_0603	148.06 mm	64.54 mm	0
27	BC27	0.1uF	CAP_NP	SM/C_0603	173.44 mm	64.04 mm	180
28	BC28	0.1uF	CAP_NP	SM/C_0603	173.44 mm	57.55 mm	180
29	BC29	0.1uF	CAP_NP	SM/C_0603	173.44 mm	51.05 mm	180
30	BC30	0.1uF	CAP_NP	SM/C_0603	153.56 mm	46.16 mm	90
31	BC31	0.1uF	CAP_NP	SM/C_0603	149.46 mm	55.55 mm	180
32	BC32	0.1uF	CAP_NP	SM/C_0603	143.17 mm	55.55 mm	180
33	BC33	0.1uF	CAP_NP	SM/C_0603	55.50 mm	29.57 mm	90
34	BC34	0.1uF	CAP_NP	SM/C_0603	41.50 mm	29.57 mm	90
35	BC35	0.1uF	CAP_NP	SM/C_0603	46.00 mm	29.57 mm	90
36	BC36	0.1uF	CAP_NP	SM/C_0603	53.00 mm	29.57 mm	90
37	BC37	0.1uF	CAP_NP	SM/C_0603	59.49 mm	29.57 mm	90
38	BC38	0.1uF	CAP_NP	SM/C_0603	50.00 mm	29.57 mm	90
39	BC39	0.1uF	CAP_NP	SM/C_0603	15.42 mm	20.00 mm	180
40	BC40	0.1uF	CAP_NP	SM/C_0603	21.00 mm	35.07 mm	90
41	BC41	0.1uF	CAP_NP	SM/C_0603	13.21 mm	44.71 mm	180
42	BC42	0.1uF	CAP_NP	SM/C_0603	61.49 mm	73.99 mm	90
43	BC43	0.1uF	CAP_NP	SM/C_0603	25.00 mm	71.49 mm	180
44	BC44	0.1uF	CAP_NP	SM/C_0603	4.00 mm	59.99 mm	0
45	BC45	0.1uF	CAP_NP	SM/C_0603	25.00 mm	64.49 mm	180
46	BC46	0.1uF	CAP_NP	SM/C_0603	4.00 mm	65.99 mm	0
47	BC47	0.1uF	CAP_NP	SM/C_0603	4.00 mm	53.00 mm	0
48	BC48	0.1uF	CAP_NP	SM/C_0603	25.00 mm	57.50 mm	180
49	BC49	0.1uF	CAP_NP	SM/C_0603	25.00 mm	50.50 mm	180
50	BC50	0.1uF	CAP_NP	SM/C_0603	4.00 mm	68.99 mm	0
51	BC51	0.1uF	CAP_NP	SM/C_0603	37.50 mm	29.57 mm	90
52	BC52	0.1uF	CAP_NP	SM/C_0603	70.42 mm	59.99 mm	180
53	BC53	0.1uF	CAP_NP	SM/C_0603	30.50 mm	59.99 mm	0
54	BC54	0.1uF	CAP_NP	SM/C_0603	57.50 mm	69.49 mm	270
55	BC55	0.1uF	CAP_NP	SM/C_0603	63.49 mm	29.57 mm	90
56	BC56	0.1uF	CAP_NP	SM/C_0603	30.50 mm	45.50 mm	0
57	BC57	0.1uF	CAP_NP	SM/C_0603	43.00 mm	69.49 mm	270
58	BC58	0.1uF	CAP_NP	SM/C_0603	70.42 mm	45.50 mm	180
59	BC59	0.1uF	CAP_NP	SM/C_0603	70.42 mm	39.50 mm	180
60	BC60	0.1uF	CAP_NP	SM/C_0603	30.50 mm	57.00 mm	0
61	BC61	0.1uF	CAP_NP	SM/C_0603	70.42 mm	57.00 mm	180
62	BC62	0.1uF	CAP_NP	SM/C_0603	30.50 mm	39.50 mm	0
63	BC63	0.1uF	CAP_NP	SM/C_0603	40.00 mm	69.49 mm	270
64	BC64	0.1uF	CAP_NP	SM/C_0603	60.49 mm	69.49 mm	270
65	BC65	0.1uF	CAP_NP	SM/C_0603	70.42 mm	48.50 mm	180
66	BC66	0.1uF	CAP_NP	SM/C_0603	30.50 mm	48.50 mm	0
67	BC67	0.1uF	CAP_NP	SM/C_0603	79.99 mm	95.99 mm	0
68	BC68	0.1uF	CAP_NP	SM/C_0603	70.99 mm	114.49 mm	0

69	BC69	0.1uF	CAP_NP	SM/C_0603	35.00 mm	95.99 mm	0
70	BC70	0.1uF	CAP_NP	SM/C_0603	26.50 mm	114.49 mm	0
71	BC71	0.1uF	CAP_NP	SM/C_0603	79.99 mm	140.49 mm	0
72	BC72	0.1uF	CAP_NP	SM/C_0603	70.99 mm	159.99 mm	0
73	BC73	0.1uF	CAP_NP	SM/C_0603	19.18 mm	16.08 mm	180
74	BC74	0.1uF	CAP_NP	SM/C_0603	23.00 mm	144.49 mm	270
75	BC75	0.1uF	CAP_NP	SM/C_0603	33.50 mm	139.99 mm	270
76	BC76	0.1uF	CAP_NP	SM/C_0603	211.20 mm	47.26 mm	270
77	BC77	0.1uF	CAP_NP	SM/C_0603	92.21 mm	21.88 mm	90
78	BC78	0.1uF	CAP_NP	SM/C_0603	193.90 mm	77.60 mm	270
79	BC79	0.1uF	CAP_NP	SM/C_0603	204.40 mm	68.60 mm	180
80	BC80	0.1uF	CAP_NP	SM/C_0603	99.99 mm	149.49 mm	270
81	BC81	0.1uF	CAP_NP	SM/C_0603	178.90 mm	163.10 mm	0
82	BC82	0.1uF	CAP_NP	SM/C_0603	114.40 mm	139.10 mm	90
83	BC83	0.1uF	CAP_NP	SM/C_0603	109.50 mm	21.88 mm	90
84	BC84	0.1uF	CAP_NP	SM/C_0603	127.78 mm	58.25 mm	180
85	BT1	MS621	BATTERY	BATTERY/MS621	203.30 mm	74.80 mm	270
86	C1	0.01uF	CAP_NP	SM/C_0603	223.30 mm	106.30 mm	180
87	C2	100pF	CAP_NP	SM/C_0603	223.30 mm	116.80 mm	180
88	C3	1uF	CAP_NP	SM/C_0603	106.41 mm	67.99 mm	180
89	C4	1uF	CAP_NP	SM/C_0603	89.49 mm	67.99 mm	0
90	C5	2.2uF	CAP_NP	SM/C_0603	101.91 mm	67.99 mm	180
91	C6	1uF	CAP_NP	SM/C_0603	81.71 mm	20.10 mm	0
92	C7	1uF	CAP_NP	SM/C_0603	86.71 mm	20.10 mm	0
93	C8	220pF	CAP_NP	SM/C_0603	86.71 mm	14.10 mm	0
94	C9	220pF	CAP_NP	SM/C_0603	81.71 mm	14.10 mm	0
95	C10	0.01uF	CAP_NP	SM/C_0603	165.05 mm	41.66 mm	90
96	C11	1000pF	CAP_NP	SM/C_0603	126.38 mm	21.98 mm	0
97	C12	0.1uF	CAP_NP	SM/C_0603	42.50 mm	25.58 mm	90
98	C13	0.1uF	CAP_NP	SM/C_0603	45.00 mm	25.58 mm	90
99	C14	2.2uF	CAP_NP	SM/C_0603	17.00 mm	29.00 mm	270
100	C15	2.2uF	CAP_NP	SM/C_0603	40.00 mm	20.00 mm	270
101	C16	2.2uF	CAP_NP	SM/C_0603	47.00 mm	20.00 mm	270
102	C17	0.1uF	CAP_NP	SM/C_0603	47.50 mm	25.58 mm	90
103	C18	2.2uF	CAP_NP	SM/C_0603	56.55 mm	19.88 mm	270
104	C19	0.1uF	CAP_NP	SM/C_0603	50.00 mm	25.58 mm	90
105	C20	18pF	CAP_NP	SM/C_0603	68.44 mm	18.48 mm	90
106	C21	330pF	CAP_NP	SM/C_0603	66.44 mm	18.48 mm	90
107	C22	330pF	CAP_NP	SM/C_0603	74.43 mm	19.98 mm	270
108	C23	0.033uF	CAP_NP	SM/C_0603	64.99 mm	119.07 mm	90
109	C24	0.01uF	CAP_NP	SM/C_0603	67.42 mm	101.49 mm	180
110	C25	1uF	CAP_NP	SM/C_0603	67.42 mm	103.49 mm	180
111	C26	0.01uF	CAP_NP	SM/C_0603	62.99 mm	120.49 mm	270
112	C27	0.033uF	CAP_NP	SM/C_0603	20.00 mm	119.07 mm	90
113	C28	0.01uF	CAP_NP	SM/C_0603	22.42 mm	98.99 mm	180
114	C29	1uF	CAP_NP	SM/C_0603	22.42 mm	103.49 mm	180
115	C30	0.01uF	CAP_NP	SM/C_0603	18.00 mm	120.49 mm	270
116	C31	0.033uF	CAP_NP	SM/C_0603	64.99 mm	164.06 mm	90
117	C32	0.01uF	CAP_NP	SM/C_0603	67.42 mm	143.99 mm	180
118	C33	1uF	CAP_NP	SM/C_0603	67.49 mm	147.99 mm	180
119	C34	0.01uF	CAP_NP	SM/C_0603	62.99 mm	165.49 mm	270
120	C35	0.1uF	CAP_NP	SM/C_0603	23.00 mm	152.49 mm	270
121	C36	1uF	CAP_NP	SM/C_0603	19.00 mm	138.57 mm	90
122	C37	1uF	CAP_NP	SM/C_0603	21.00 mm	135.07 mm	90
123	C38	0.1uF	CAP_NP	SM/C_0603	39.00 mm	144.49 mm	180
124	C39	1uF	CAP_NP	SM/C_0603	18.00 mm	151.06 mm	90
125	C40	0.01uF	CAP_NP	SM/C_0603	27.50 mm	138.57 mm	90
126	C41	0.1uF	CAP_NP	SM/C_0603	31.50 mm	136.49 mm	270
127	C42	6.8nF	CAP_NP	SM/C_0603	29.50 mm	138.57 mm	90
128	C43	0.1uF	CAP_NP	SM/C_0603	94.11 mm	13.26 mm	90
129	C44	0.1uF	CAP_NP	SM/C_0603	99.21 mm	14.70 mm	270
130	C45	0.1uF	CAP_NP	SM/C_0603	96.11 mm	13.26 mm	90
131	C46	0.1uF	CAP_NP	SM/C_0603	101.21 mm	14.69 mm	270
132	C47	0.01uF	CAP_NP	SM/C_0603	131.82 mm	110.90 mm	180
133	C48	0.01uF	CAP_NP	SM/C_0603	126.82 mm	110.90 mm	180
134	C49	0.01uF	CAP_NP	SM/C_0603	126.82 mm	103.90 mm	180
135	C50	0.01uF	CAP_NP	SM/C_0603	131.82 mm	103.90 mm	180
136	C51	0.1uF	CAP_NP	SM/C_0603	113.69 mm	13.26 mm	90
137	C52	0.1uF	CAP_NP	SM/C_0603	116.89 mm	14.69 mm	270
138	C53	0.1uF	CAP_NP	SM/C_0603	111.60 mm	13.26 mm	90
139	C54	0.1uF	CAP_NP	SM/C_0603	118.99 mm	14.69 mm	270

140	C55	18pF	CAP_NP	SM/C_0603	123.58 mm	35.57 mm	270
141	C56	18pF	CAP_NP	SM/C_0603	128.68 mm	35.57 mm	270
142	CE1	330uF/25V	CAPACITOR_POL	SM/C_J10	74.99 mm	102.49 mm	0
143	CE2	330uF/25V	CAPACITOR_POL	SM/C_J10	55.50 mm	128.99 mm	180
144	CE3	330uF/25V	CAPACITOR_POL	SM/C_J10	30.50 mm	102.49 mm	0
145	CE4	330uF/25V	CAPACITOR_POL	SM/C_J10	13.00 mm	129.49 mm	180
146	CE5	330uF/25V	CAPACITOR_POL	SM/C_J10	74.99 mm	146.99 mm	0
147	CE6	330uF/25V	CAPACITOR_POL	SM/C_J10	55.50 mm	173.48 mm	180
148	CT1	47uF/6.3V	CAPACITOR_POL_1	SM/CT_6032	88.48 mm	53.51 mm	90
149	CT2	47uF/6.3V	CAPACITOR_POL_1	SM/CT_6032	97.49 mm	53.50 mm	90
150	CT3	47uF/6.3V	CAPACITOR_POL_1	SM/CT_6032	85.49 mm	75.49 mm	270
151	CT4	10uF/6.3V	CAPACITOR_POL_1	SM/CT_3216	81.49 mm	39.00 mm	180
152	CT5	10uF/6.3V	CAPACITOR_POL_1	SM/CT_3216	81.49 mm	34.00 mm	180
153	CT6	10uF/6.3V	CAPACITOR_POL_1	SM/CT_3216	81.49 mm	44.00 mm	180
154	CT7	47uF/6.3V	CAPACITOR_POL_1	SM/CT_6032	11.50 mm	23.50 mm	0
155	CT8	47uF/6.3V	CAPACITOR_POL_1	SM/CT_6032	24.50 mm	35.50 mm	90
156	CT9	10uF/6.3V	CAPACITOR_POL_1	SM/CT_3216	11.00 mm	74.99 mm	0
157	CT10	10uF/6.3V	CAPACITOR_POL_1	SM/CT_3216	72.99 mm	32.00 mm	270
158	CT11	10uF/6.3V	CAPACITOR_POL_1	SM/CT_3216	69.99 mm	32.00 mm	270
159	CT12	47uF/6.3V	CAPACITOR_POL_1	SM/CT_6032	77.99 mm	109.99 mm	0
160	CT13	47uF/6.3V	CAPACITOR_POL_1	SM/CT_6032	77.99 mm	113.99 mm	0
161	CT14	22uF/25V	CAPACITOR_POL_1	SM/CT_6032	55.50 mm	119.99 mm	180
162	CT15	47uF/6.3V	CAPACITOR_POL_1	SM/CT_6032	33.00 mm	113.99 mm	0
163	CT16	47uF/6.3V	CAPACITOR_POL_1	SM/CT_6032	33.00 mm	109.99 mm	0
164	CT17	22uF/25V	CAPACITOR_POL_1	SM/CT_6032	13.00 mm	119.99 mm	180
165	CT18	33uF/16V	CAPACITOR_POL_1	SM/CT_6032	77.99 mm	159.49 mm	0
166	CT19	33uF/16V	CAPACITOR_POL_1	SM/CT_6032	78.01 mm	154.99 mm	0
167	CT20	22uF/25V	CAPACITOR_POL_1	SM/CT_6032	55.50 mm	165.49 mm	180
168	CT21	22uF/25V	CAPACITOR_POL_1	SM/CT_6032	27.00 mm	161.49 mm	270
169	CT22	22uF/25V	CAPACITOR_POL_1	SM/CT_6032	18.00 mm	174.48 mm	270
170	CT23	10uF/6.3V	CAPACITOR_POL_1	SM/CT_3216	97.49 mm	149.49 mm	270
171	CT24	10uF/6.3V	CAPACITOR_POL_1	SM/CT_3216	178.70 mm	160.10 mm	0
172	CT25	10uF/6.3V	CAPACITOR_POL_1	SM/CT_3216	178.90 mm	150.60 mm	0
173	CT26	10uF/6.3V	CAPACITOR_POL_1	SM/CT_3216	28.27 mm	29.97 mm	0
174	D1	BAT54S	BAT54S	SM/SOT23_123	39.00 mm	148.49 mm	270
175	D2	BAT54S	BAT54S	SM/SOT23_123	209.90 mm	68.60 mm	90
176	FB1	HH-1T1608-121	L	SM/R_0603	92.49 mm	53.50 mm	0
177	FB2	HH-1T1608-121	L	SM/R_0603	92.49 mm	57.99 mm	0
178	FB3	HH-1T1608-121	L	SM/R_0603	96.49 mm	79.49 mm	90
179	FB4	HH-1T1608-121	L	SM/R_0603	93.99 mm	79.49 mm	90
180	FB5	HH-1T1608-121	L	SM/R_0603	98.99 mm	79.49 mm	90
181	FB6	HH-1T1608-121	L	SM/R_0603	101.49 mm	79.49 mm	90
182	FB7	HH-1T1608-121	L	SM/R_0603	79.99 mm	75.49 mm	0
183	FB8	HH-1T1608-121	L	SM/R_0603	79.99 mm	70.49 mm	0
184	FB9	HH-1T1608-121	L	SM/R_0603	78.21 mm	20.10 mm	270
185	FB10	HH-1T1608-121	L	SM/R_0603	83.13 mm	16.10 mm	180
186	FB11	HH-1T1608-121	L	SM/R_0603	88.13 mm	16.10 mm	180
187	FB12	HH-1T1608-121	L	SM/R_0603	61.49 mm	29.57 mm	90
188	FB13	HH-1T1608-121	L	SM/R_0603	27.97 mm	33.59 mm	270
189	FB14	HH-1T1608-121	L	SM/R_0603	11.92 mm	20.00 mm	180
190	FB15	HH-1T1608-121	L	SM/R_0603	70.43 mm	19.98 mm	270
191	FB16	HH-1T1608-121	L	SM/R_0603	200.40 mm	141.60 mm	270
192	FB17	NI	L	SM/R_0603	92.99 mm	149.49 mm	270
193	FB18	HH-1T1608-121	L	SM/R_0603	94.99 mm	149.49 mm	270
194	FB19	HH-1T1608-121	L	SM/R_0603	212.90 mm	140.10 mm	90
195	FB20	HH-1T1608-121	L	SM/R_0603	167.90 mm	160.60 mm	90
196	FB21	HH-1T1608-121	L	SM/R_0603	154.40 mm	165.68 mm	90
197	FB22	HH-1T1608-121	L	SM/R_0603	116.40 mm	139.10 mm	90
198	J1	AMP 177984-5	CONN_PLUG_60X2	AMP/177984-5	202.98 mm	87.64 mm	90
199	J2	AMP 177984-5	CONN_PLUG_60X2	AMP/177984-5	162.98 mm	87.64 mm	90
200	J3	HEADER 10X2	HEADER_10X2	HEADER/100/10X2	151.76 mm	79.03 mm	180
201	J4	MOLEX/5267-4	HEADER_4	MOLEX/5267/4	93.99 mm	85.49 mm	180
202	J5	PJ-317	PHONEJACK_STER.	JACK/STEREO/PJ/209	81.92 mm	1.60 mm	180
203	J6	RJ45CON	RJ-45_LED	RJ-45/J/SHIELD/LED	140.97 mm	5.39 mm	180
204	J7	MOLEX/5267-3	HEADER_3	MOLEX/5267/3	5.00 mm	26.50 mm	270
205	J8	BNC	HEADER_5	SMA/F/R	33.97 mm	5.00 mm	0
206	J9	BNC	HEADER_5	SMA/F/R	45.96 mm	5.00 mm	0
207	J10	BNC	HEADER_5	SMA/F/R	57.95 mm	5.00 mm	0
208	J11	BNC	HEADER_5	SMA/F/R	69.93 mm	5.00 mm	0
209	J12	CON2	CON2	MOLEX/5267/2	92.49 mm	176.48 mm	180
210	J13	CON2	HEADER_2	MOLEX/5569/02_REV1	12.89 mm	15.59 mm	0

211	J14	CON2	CON2	MOLEX/5267/2	4.00 mm	162.49 mm	270
212	J15	HEADER 8	HEADER_8X2	HEADER/100/8X2	225.09 mm	82.82 mm	270
213	J16	HEADER 20	HEADER_20	PTR/AK550/20P	152.06 mm	13.39 mm	0
214	J17	MOLEX/5267/2	HEADER_2	MOLEX/5267/2	110.40 mm	176.60 mm	180
215	J18	MOLEX/5267/2	HEADER_2	MOLEX/5267/2	101.39 mm	176.60 mm	180
216	J21	PJ-317	PHONEJACK_STER..	JACK/STEREO/PJ/209	91.91 mm	1.60 mm	180
217	J22	PJ-317	PHONEJACK_STER..	JACK/STEREO/PJ/209	101.91 mm	1.60 mm	180
218	J23	HEADER 6x2/SM	HEADER_6X2/SM	HEADER/100/6X2	200.40 mm	145.60 mm	0
219	J24	DM1AA-SF-PEJ	PCMCIA_SOCKET_0	DM1AA-SF-PEJ	145.40 mm	153.10 mm	180
220	J25	MOLEX/5267-4	HEADER_4	MOLEX/5267/4	103.99 mm	149.49 mm	180
221	J26	USB-CONNECTOR ..	USB-CONNECTOR	USB/ATYPE	179.10 mm	167.40 mm	180
222	J27	USB-MINI	USB-MINI	USB/MINI	160.40 mm	171.10 mm	180
223	J28	HRS/FH19SC-40S..	HEADER_40/SM	YEONHO/05002HR/40A02	113.99 mm	135.47 mm	0
224	J29	MOLEX/52207-0490	CON3_0	MOLEX/52007/0490	135.40 mm	105.90 mm	90
225	J30	PJ-209	PHONEJACK_STER..	JACK/STEREO/PJ/209	111.90 mm	1.60 mm	180
226	J31	PJ-209	PHONEJACK_STER..	JACK/STEREO/PJ/209	121.89 mm	1.60 mm	180
227	JP1	HEADER 8	HEADER_8	SIP/TM/L.800/8	226.47 mm	98.86 mm	90
228	L1	22uH	INDUCTOR	SM/L_1250S	67.99 mm	123.49 mm	0
229	L2	22uH	INDUCTOR	SM/L_1250S	23.00 mm	123.49 mm	0
230	L3	22uH	INDUCTOR	SM/L_1250S	67.99 mm	168.99 mm	0
231	L4	22uH	INDUCTOR	SM/L_1250S	35.54 mm	165.45 mm	90
232	LED1	LED/0603/GREEN	LED	SM/D_0603_12	153.30 mm	101.20 mm	0
233	LED2	LED/0603/GREEN	LED	SM/D_0603_12	153.30 mm	99.20 mm	0
234	LED3	LED/0603/GREEN	LED	SM/D_0603_12	153.30 mm	97.20 mm	0
235	LED4	LED/0603/GREEN	LED	SM/D_0603_12	153.30 mm	95.20 mm	0
236	LED5	LED/0603/GREEN	LED	SM/D_0603_12	92.91 mm	162.49 mm	180
237	LED6	LED/0603/GREEN	LED	SM/D_0603_12	63.99 mm	95.99 mm	180
238	LED7	LED/0603/GREEN	LED	SM/D_0603_12	18.92 mm	95.99 mm	180
239	LED8	LED/0603/GREEN	LED	SM/D_0603_12	63.99 mm	140.49 mm	180
240	LED9	LED/0603/GREEN	LED	SM/D_0603_12	18.18 mm	1.20 mm	180
241	LS1	AQV210EA	AQV210_NO_SPST	DIP.100B/4/W.300/L.350	184.63 mm	29.47 mm	180
242	LS2	AQV210EA	AQV210_NO_SPST	DIP.100B/4/W.300/L.350	175.14 mm	29.47 mm	180
243	LS3	AQV210EA	AQV210_NO_SPST	DIP.100B/4/W.300/L.350	165.65 mm	29.47 mm	180
244	LS4	AQV210EA	AQV210_NO_SPST	DIP.100B/4/W.300/L.350	156.25 mm	29.47 mm	180
245	MHOLE1	HOLDER	T_POINT_R	MTHOLE/4MM/6MM	224.98 mm	5.00 mm	0
246	MHOLE2	HOLDER	T_POINT_R	MTHOLE/4MM/6MM	224.98 mm	174.98 mm	0
247	MHOLE3	HOLDER	T_POINT_R	MTHOLE/4MM/6MM	5.00 mm	175.04 mm	0
248	MHOLE4	HOLDER	T_POINT_R	MTHOLE/4MM/6MM	224.99 mm	90.02 mm	0
249	MHOLE5	HOLDER	T_POINT_R	MTHOLE/4MM/6MM	5.00 mm	90.02 mm	0
250	MHOLE6	HOLDER	T_POINT_R	MTHOLE/4MM/6MM	5.00 mm	5.00 mm	0
251	OSC1	24.576MHz/SCO-..	OSC14_0	OSC/SCO-103	112.40 mm	39.86 mm	270
252	OSC2	25MHz/SCO-103	OSC14_0	OSC/SCO-103	143.17 mm	48.55 mm	0
253	OSC3	54MHz/SCO-103	OSC14_0	OSC/SCO-103	57.99 mm	77.99 mm	180
254	PC1	TLP181	TLP181	SOG.050/6/WG.420/L185/4	212.90 mm	41.66 mm	270
255	PC2	TLP181	TLP181	SOG.050/6/WG.420/L185/4	212.90 mm	36.17 mm	270
256	PC3	TLP181	TLP181	SOG.050/6/WG.420/L185/4	212.90 mm	30.67 mm	270
257	PC4	TLP181	TLP181	SOG.050/6/WG.420/L185/4	212.90 mm	25.18 mm	270
258	PC5	TLP181	TLP181	SOG.050/6/WG.420/L185/4	193.42 mm	41.66 mm	270
259	PC6	TLP181	TLP181	SOG.050/6/WG.420/L185/4	193.42 mm	36.17 mm	270
260	PC7	TLP181	TLP181	SOG.050/6/WG.420/L185/4	193.42 mm	30.67 mm	270
261	PC8	TLP181	TLP181	SOG.050/6/WG.420/L185/4	193.42 mm	25.18 mm	270
262	Q1	MMBT2222A/SOT	MMBT2222A/SOT_0	SM/SOT23_123	96.71 mm	167.94 mm	180
263	Q2	Si4925BDY	NDS8947_SO	SOG.050/8/WG.244/L200	18.50 mm	158.99 mm	90
264	Q3	NDS352	MOSFET_I_EP	SM/SOT23_123	19.00 mm	141.99 mm	90
265	Q4	FDS6612A	IRF7811_SO_8P	SOG.050/8/WG.244/L200	30.50 mm	156.49 mm	0
266	Q5	FDS6612A	IRF7811_SO_8P	SOG.050/8/WG.244/L200	36.50 mm	156.49 mm	0
267	Q6	MMBT2222A/SOT	MMBT2222A/SOT_0	SM/SOT23_123	111.90 mm	170.14 mm	0
268	Q7	MMBT2222A/SOT	MMBT2222A/SOT_0	SM/SOT23_123	102.90 mm	170.14 mm	0
269	Q8	MMBT2222A/SOT	MMBT2222A/SOT_0	SM/SOT23_123	162.85 mm	162.05 mm	270
270	R1	110	RESISTOR	SM/R_0603	147.30 mm	101.20 mm	0
271	R2	110	RESISTOR	SM/R_0603	147.30 mm	99.20 mm	0
272	R3	110	RESISTOR	SM/R_0603	147.30 mm	97.20 mm	0
273	R4	110	RESISTOR	SM/R_0603	147.30 mm	95.20 mm	0
274	R5	33	RESISTOR	SM/R_0603	23.88 mm	9.79 mm	90
275	R6	33	RESISTOR	SM/R_0603	221.40 mm	140.90 mm	270
276	R7	110	RESISTOR	SM/R_0603	146.76 mm	84.52 mm	270
277	R8	110	RESISTOR	SM/R_0603	144.27 mm	84.52 mm	270
278	R9	10K	RESISTOR	SM/R_0603	133.78 mm	84.52 mm	270
279	R10	110	RESISTOR	SM/R_0603	141.27 mm	84.52 mm	270
280	R11	110	RESISTOR	SM/R_0603	136.27 mm	84.52 mm	270
281	R12	10K	RESISTOR	SM/R_0603	139.27 mm	84.52 mm	270

282	R13	4.7K	RESISTOR	SM/R_0603	223.30 mm	114.80 mm	180
283	R14	14K 1%	RESISTOR	SM/R_0603	72.99 mm	43.50 mm	0
284	R15	10K	RESISTOR	SM/R_0603	87.99 mm	45.00 mm	90
285	R16	3.09K 1%	RESISTOR	SM/R_0603	74.42 mm	41.50 mm	180
286	R17	10K	RESISTOR	SM/R_0603	89.99 mm	45.00 mm	90
287	R18	10K	RESISTOR	SM/R_0603	85.99 mm	45.00 mm	90
288	R19	30K	RESISTOR	SM/R_0603	90.91 mm	72.49 mm	180
289	R20	10K	RESISTOR	SM/R_0603	91.99 mm	45.00 mm	90
290	R21	30K	RESISTOR	SM/R_0603	104.99 mm	72.49 mm	0
291	R22	20K	RESISTOR	SM/R_0603	89.49 mm	69.99 mm	0
292	R23	20K	RESISTOR	SM/R_0603	106.41 mm	69.99 mm	180
293	R24		33 RESISTOR	SM/R_0603	103.99 mm	33.00 mm	0
294	R25		33 RESISTOR	SM/R_0603	96.49 mm	28.08 mm	90
295	R26		33 RESISTOR	SM/R_0603	98.49 mm	28.08 mm	90
296	R27		0 RESISTOR	SM/R_0603	105.41 mm	29.00 mm	180
297	R28		33 RESISTOR	SM/R_0603	105.41 mm	37.00 mm	180
298	R29	10K	RESISTOR	SM/R_0603	86.91 mm	38.50 mm	180
299	R30	10K	RESISTOR	SM/R_0603	86.91 mm	36.50 mm	180
300	R31	10K	RESISTOR	SM/R_0603	95.99 mm	45.00 mm	90
301	R32	10K	RESISTOR	SM/R_0603	93.99 mm	45.00 mm	90
302	R33		33 RESISTOR	SM/R_0603	103.99 mm	35.00 mm	0
303	R34		33 RESISTOR	SM/R_0603	103.99 mm	43.00 mm	0
304	R35		33 RESISTOR	SM/R_0603	103.99 mm	41.00 mm	0
305	R36	10K	RESISTOR	SM/R_0603	103.99 mm	45.00 mm	0
306	R37	47K	RESISTOR	SM/R_0603	88.13 mm	18.10 mm	180
307	R38	47K	RESISTOR	SM/R_0603	83.13 mm	18.10 mm	180
308	R40	10K	RESISTOR	SM/R_0603	154.56 mm	71.03 mm	270
309	R41	10K	RESISTOR	SM/R_0603	148.06 mm	66.54 mm	0
310	R42	49.9 1%	RESISTOR	SM/R_0603	144.76 mm	27.47 mm	180
311	R43	49.9 1%	RESISTOR	SM/R_0603	144.76 mm	29.97 mm	180
312	R44	10K	RESISTOR	SM/R_0603	178.03 mm	55.05 mm	0
313	R45	24.9 1%	RESISTOR	SM/R_0603	165.05 mm	47.56 mm	270
314	R46	24.9 1%	RESISTOR	SM/R_0603	167.04 mm	47.56 mm	270
315	R47	10K	RESISTOR	SM/R_0603	159.05 mm	69.63 mm	90
316	R48	10K	RESISTOR	SM/R_0603	157.05 mm	69.63 mm	90
317	R49	24.9 1%	RESISTOR	SM/R_0603	163.05 mm	47.56 mm	270
318	R50	24.9 1%	RESISTOR	SM/R_0603	169.04 mm	47.56 mm	270
319	R51	11K 1%	RESISTOR	SM/R_0603	158.05 mm	47.56 mm	270
320	R52	75 1%	RESISTOR	SM/R_0603	126.38 mm	23.98 mm	0
321	R53	75 1%	RESISTOR	SM/R_0603	126.38 mm	25.98 mm	0
322	R54		0 RESISTOR	SM/R_0603	126.38 mm	19.98 mm	0
323	R55		0 RESISTOR	SM/R_0603	158.05 mm	41.66 mm	90
324	R56		0 RESISTOR	SM/R_0603	156.05 mm	46.16 mm	90
325	R57		0 RESISTOR	SM/R_0603	156.05 mm	41.66 mm	90
326	R58		0 RESISTOR	SM/R_0603	154.06 mm	41.66 mm	90
327	R59	10K	RESISTOR	SM/R_0603	178.03 mm	57.05 mm	0
328	R60	10K	RESISTOR	SM/R_0603	172.04 mm	59.54 mm	0
329	R61	10K	RESISTOR	SM/R_0603	178.03 mm	59.04 mm	0
330	R62	10K	RESISTOR	SM/R_0603	178.03 mm	51.05 mm	0
331	R63	10K	RESISTOR	SM/R_0603	172.04 mm	53.05 mm	0
332	R64	10K	RESISTOR	SM/R_0603	178.03 mm	53.05 mm	0
333	R66	10K	RESISTOR	SM/R_0603	172.04 mm	55.05 mm	0
334	R67	37.4 1%	RESISTOR	SM/R_0603	36.00 mm	20.00 mm	270
335	R68	37.4 1%	RESISTOR	SM/R_0603	13.00 mm	29.00 mm	270
336	R69	37.4 1%	RESISTOR	SM/R_0603	15.00 mm	29.00 mm	270
337	R70	4.7K	RESISTOR	SM/R_0603	62.99 mm	68.07 mm	90
338	R71	37.4 1%	RESISTOR	SM/R_0603	38.00 mm	20.00 mm	270
339	R72	37.4 1%	RESISTOR	SM/R_0603	51.00 mm	20.00 mm	270
340	R73	37.4 1%	RESISTOR	SM/R_0603	49.00 mm	20.00 mm	270
341	R74	37.4 1%	RESISTOR	SM/R_0603	60.54 mm	19.88 mm	270
342	R75	37.4 1%	RESISTOR	SM/R_0603	58.55 mm	19.88 mm	270
343	R76		22 RESISTOR	SM/R_0603	68.99 mm	52.50 mm	0
344	R78	75 1%	RESISTOR	SM/R_0603	55.00 mm	27.00 mm	270
345	R79	75 1%	RESISTOR	SM/R_0603	53.00 mm	27.00 mm	270
346	R80	75 1%	RESISTOR	SM/R_0603	72.43 mm	19.98 mm	270
347	R81	3.09K 1%	RESISTOR	SM/R_0603	91.49 mm	164.49 mm	0
348	R82	47K	RESISTOR	SM/R_0603	70.99 mm	110.49 mm	90
349	R83		330 RESISTOR	SM/R_0603	67.42 mm	95.99 mm	180
350	R84	5.23K 1%	RESISTOR	SM/R_0603	65.99 mm	99.49 mm	0
351	R85	1K 1%	RESISTOR	SM/R_0603	63.99 mm	101.49 mm	270
352	R86		110 RESISTOR	SM/R_0603	22.42 mm	95.99 mm	180

353	R87	68K	RESISTOR	SM/R_0603	26.50 mm	110.49 mm	90
354	R88	3.09K 1%	RESISTOR	SM/R_0603	21.00 mm	100.99 mm	0
355	R89	1K 1%	RESISTOR	SM/R_0603	19.00 mm	100.99 mm	270
356	R90	1K	RESISTOR	SM/R_0603	67.42 mm	140.49 mm	180
357	R91	200K	RESISTOR	SM/R_0603	70.99 mm	155.99 mm	90
358	R92	14K 1%	RESISTOR	SM/R_0603	65.99 mm	145.99 mm	0
359	R93	1K 1%	RESISTOR	SM/R_0603	63.99 mm	145.99 mm	270
360	R94	10K	RESISTOR	SM/R_0603	91.49 mm	170.49 mm	0
361	R95	4.7K	RESISTOR	SM/R_0603	91.49 mm	172.49 mm	0
362	R96	110	RESISTOR	SM/R_0603	91.49 mm	166.99 mm	0
363	R97	4.7K	RESISTOR	SM/R_0603	94.99 mm	170.49 mm	0
364	R98	3.09K 1%	RESISTOR	SM/R_0603	17.76 mm	13.99 mm	0
365	R99	100K	RESISTOR	SM/R_0603	23.00 mm	139.99 mm	270
366	R100	0.02	RESISTOR	SM/R_2010	23.00 mm	156.49 mm	90
367	R101	18	RESISTOR	SM/R_0603	23.00 mm	147.49 mm	90
368	R102	10K	RESISTOR	SM/R_0603	25.50 mm	139.99 mm	270
369	R103	4.7	RESISTOR	SM/R_0603	21.00 mm	139.99 mm	270
370	R104	10K	RESISTOR	SM/R_0603	94.98 mm	155.01 mm	270
371	R105	10K	RESISTOR	SM/R_0603	92.98 mm	155.01 mm	270
372	R106	10K 1%	RESISTOR	SM/R_0603	23.00 mm	136.49 mm	270
373	R107	100	RESISTOR	SM/R_0603	31.50 mm	139.99 mm	270
374	R108	2.2	RESISTOR	SM/R_0603	20.00 mm	152.49 mm	270
375	R109	0.025	RESISTOR	SM/R_2010	27.10 mm	174.98 mm	180
376	R110	0	RESISTOR	SM/R_0603	35.50 mm	139.99 mm	270
377	R111	0	RESISTOR	SM/R_0603	37.54 mm	139.95 mm	270
378	R112	10K 1%	RESISTOR	SM/R_0603	29.50 mm	136.49 mm	270
379	R113	10K	RESISTOR	SM/R_0603	225.39 mm	41.66 mm	0
380	R114	110	RESISTOR	SM/R_0603	218.50 mm	19.28 mm	270
381	R115	10K	RESISTOR	SM/R_0603	225.39 mm	36.17 mm	0
382	R116	110	RESISTOR	SM/R_0603	211.50 mm	19.28 mm	270
383	R117	10K	RESISTOR	SM/R_0603	225.39 mm	30.67 mm	0
384	R118	10K	RESISTOR	SM/R_0603	220.59 mm	71.43 mm	180
385	R119	10K	RESISTOR	SM/R_0603	220.59 mm	68.94 mm	180
386	R120	10K	RESISTOR	SM/R_0603	220.59 mm	66.24 mm	180
387	R121	10K	RESISTOR	SM/R_0603	220.59 mm	63.54 mm	180
388	R122	110	RESISTOR	SM/R_0603	208.01 mm	19.28 mm	270
389	R123	10K	RESISTOR	SM/R_0603	225.39 mm	25.18 mm	0
390	R124	110	RESISTOR	SM/R_0603	201.01 mm	19.28 mm	270
391	R125	10K	RESISTOR	SM/R_0603	205.91 mm	41.66 mm	0
392	R126	110	RESISTOR	SM/R_0603	197.52 mm	19.28 mm	270
393	R127	10K	RESISTOR	SM/R_0603	205.91 mm	36.17 mm	0
394	R128	110	RESISTOR	SM/R_0603	195.52 mm	19.28 mm	270
395	R129	10K	RESISTOR	SM/R_0603	205.91 mm	30.67 mm	0
396	R130	110	RESISTOR	SM/R_0603	193.52 mm	19.28 mm	270
397	R131	10K	RESISTOR	SM/R_0603	205.91 mm	25.18 mm	0
398	R132	110	RESISTOR	SM/R_0603	191.52 mm	19.28 mm	270
399	R133	330	RESISTOR	SM/R_0603	186.03 mm	32.47 mm	180
400	R134	330	RESISTOR	SM/R_0603	113.29 mm	167.54 mm	180
401	R135	330	RESISTOR	SM/R_0603	176.54 mm	32.47 mm	180
402	R136	330	RESISTOR	SM/R_0603	104.30 mm	167.54 mm	180
403	R138	330	RESISTOR	SM/R_0603	167.04 mm	32.47 mm	180
404	R139	330	RESISTOR	SM/R_0603	157.65 mm	32.47 mm	180
405	R140	330	RESISTOR	SM/R_0603	177.93 mm	39.46 mm	180
406	R141	10K	RESISTOR	SM/R_0603	195.90 mm	77.60 mm	270
407	R142	4.7K	RESISTOR	SM/R_0603	199.90 mm	77.60 mm	270
408	R143	4.7K	RESISTOR	SM/R_0603	197.90 mm	77.60 mm	270
409	R144	470	RESISTOR	SM/R_0603	204.40 mm	70.60 mm	180
410	R145	4.7K	RESISTOR	SM/R_0603	127.40 mm	145.10 mm	90
411	R146	4.7K	RESISTOR	SM/R_0603	129.90 mm	145.10 mm	90
412	R147	4.7K	RESISTOR	SM/R_0603	137.40 mm	145.10 mm	90
413	R148	4.7K	RESISTOR	SM/R_0603	142.40 mm	145.10 mm	90
414	R149	4.7K	RESISTOR	SM/R_0603	144.40 mm	145.10 mm	90
415	R150	4.7K	RESISTOR	SM/R_0603	124.90 mm	145.10 mm	90
416	R151	0	RESISTOR	SM/R_0603	152.90 mm	145.10 mm	90
417	R152	22	RESISTOR	SM/R_0603	197.90 mm	118.60 mm	180

418	R153	10K	RESISTOR	SM/R_0603	148.90 mm	146.52 mm	270
419	R154	10K	RESISTOR	SM/R_0603	146.90 mm	146.52 mm	270
420	R155	4.7K	RESISTOR	SM/R_0603	164.90 mm	165.68 mm	90
421	R156	10K	RESISTOR	SM/R_0603	172.82 mm	156.10 mm	180
422	R157	1K	RESISTOR	SM/R_0603	160.90 mm	167.10 mm	270
423	R158	10K	RESISTOR	SM/R_0603	162.90 mm	167.10 mm	270
424	R159	1.5K	RESISTOR	SM/R_0603	157.40 mm	167.10 mm	270
425	R160	10K	RESISTOR	SM/R_0603	112.40 mm	139.10 mm	90
426	R161		0 RESISTOR	SM/R_0603	110.40 mm	140.52 mm	270
427	R162	1M	RESISTOR	SM/R_0603	126.18 mm	35.57 mm	270
428	R163		22 RESISTOR	SM/R_0603	158.40 mm	118.60 mm	180
429	R164	NI	RESISTOR	SM/R_0603	130.40 mm	105.90 mm	0
430	R165	NI	RESISTOR	SM/R_0603	125.40 mm	105.90 mm	0
431	R166	NI	RESISTOR	SM/R_0603	125.40 mm	108.90 mm	0
432	R167	NI	RESISTOR	SM/R_0603	130.40 mm	108.90 mm	0
433	R168	NI	RESISTOR	SM/R_0603	147.40 mm	136.60 mm	270
434	R169		0 RESISTOR	SM/R_0603	141.40 mm	136.60 mm	270
435	R170	NI	RESISTOR	SM/R_0603	144.40 mm	136.60 mm	270
436	R171		0 RESISTOR	SM/R_0603	130.40 mm	101.90 mm	0
437	R172		0 RESISTOR	SM/R_0603	125.40 mm	101.90 mm	0
438	R173		0 RESISTOR	SM/R_0603	125.40 mm	112.90 mm	0
439	R174		0 RESISTOR	SM/R_0603	130.40 mm	112.90 mm	0
440	R175		0 RESISTOR	SM/R_0603	147.40 mm	132.60 mm	270
441	R176	NI	RESISTOR	SM/R_0603	141.40 mm	132.60 mm	270
442	R177		0 RESISTOR	SM/R_0603	144.40 mm	132.60 mm	270
443	R178		330 RESISTOR	SM/R_0603	144.76 mm	25.48 mm	180
444	R179		330 RESISTOR	SM/R_0603	126.38 mm	28.47 mm	0
445	R180	10K	RESISTOR	SM/R_0603	171.40 mm	158.10 mm	0
446	R181		50 RESISTOR	SM/R_0603	126.08 mm	43.16 mm	0
447	REG1	LM1117MPX-3.3	LM337_1	TO261AA/SOT223	85.07 mm	59.35 mm	180
448	REG2	LM1117MPX-1.8	LM337_1	TO261AA/SOT223	18.56 mm	41.48 mm	180
449	RV1	ALV-5M-03-300	VARISTOR	SM/C_0603	21.88 mm	9.79 mm	90
450	RV2	ALV-5M-03-300	VARISTOR	SM/C_0603	223.40 mm	140.90 mm	270
451	RV3	ALV-5M-03-300	VARISTOR	SM/C_0603	34.00 mm	20.00 mm	270
452	RV4	ALV-5M-03-300	VARISTOR	SM/C_0603	11.00 mm	29.00 mm	270
453	RV5	ALV-5M-03-300	VARISTOR	SM/C_0603	53.00 mm	20.00 mm	270
454	RV6	ALV-5M-03-300	VARISTOR	SM/C_0603	62.54 mm	19.88 mm	270
455	RV7	ALV-5M-03-300	VARISTOR	SM/C_0603	94.99 mm	172.49 mm	0
456	SW1	TACT/TS-1107	SW_TACT-SPST/SM	SWITCHWHPUSHWTS-1105	22.88 mm	3.90 mm	0
457	SW2	TACT/TS-1107	SW_TACT-SPST/SM	SWITCH/TACT/8MM/SMD	226.98 mm	140.99 mm	270
458	T1	XFAT68BIT	20F001N_3	XFATM6BIT	130.88 mm	28.97 mm	0
459	TP1	TP	TP	TP/SMD/22	54.00 mm	67.49 mm	0
460	TP6	TP	TP	TP/SMD/22	213.20 mm	125.88 mm	0
461	TP7	TP	TP	TP/SMD/22	213.20 mm	128.08 mm	0
462	TP8	TP	TP	TP/SMD/22	213.20 mm	129.18 mm	0
463	TP9	TP	TP	TP/SMD/22	213.20 mm	130.38 mm	0
464	TP10	TP	TP	TP/SMD/22	213.20 mm	131.48 mm	0
465	TP11	TP	TP	TP/SMD/22	213.20 mm	132.58 mm	0
466	TP12	TP	TP	TP/SMD/22	213.20 mm	133.78 mm	0
467	TPG1	TP	TP	TP/GND	226.40 mm	59.80 mm	0
468	TPG2	TP	TP	TP/GND	47.50 mm	157.99 mm	0
469	TPG3	TP	TP	TP/GND	27.57 mm	20.38 mm	0
470	U1	LC4128V-75T100C	LC4064/4128/42..	QUAD.50M/100/WG16.10	192.98 mm	89.64 mm	90
471	U2	WM9712L	WM9712_0	QUAD.50M/48/WG7.00	99.49 mm	34.50 mm	180
472	U3	LM4863MTE	LM4863MTE_TSSO..	SOG.65M/20/WG8.20/L6.98/TP	94.49 mm	75.99 mm	270
473	U4	LAN91C111-NE	LAN91C111_TFP1..	QUAD.40M/128/WG16.00	154.56 mm	50.55 mm	90
474	U5	93C46AL/DIP	93C46AL/SO	DIP.100/8/W.300/L.425	173.54 mm	47.06 mm	270
475	U6	TW2836_QFP	TW2836_QFP	QUAD.50M/208/WG30.60	65.49 mm	37.00 mm	90
476	U7	MT48LC2M32B2-7C	48LC2M32B2TG-7..	SOG.50M/86/WG11.76/L22.62	20.50 mm	50.49 mm	180
477	U8	LM3102MH	LM3102MH_1	SOG.65M/20/WG8.20/L6.98/TP	68.49 mm	113.99 mm	180
478	U9	LM3102MH	LM3102MH_1	SOG.65M/20/WG8.20/L6.98/TP	23.50 mm	113.99 mm	180
479	U10	LM3102MH	LM3102MH_1	SOG.65M/20/WG8.20/L6.98/TP	68.49 mm	159.49 mm	180
480	U11	ISL6253HAZ	ISL6253HAZ	SOG.025/28/WG.240/L.400	27.00 mm	144.49 mm	90
481	U12	SN74LVTH245ADW	74LVTH245A/SO_0	SOG.050/20/WG.420/L.500	208.31 mm	55.45 mm	180
482	U13	MAX3232CSE	MAX232/SO_0	SOG.050/16/WG.244/L.400	94.71 mm	18.30 mm	0
483	U14	DS1340Z-3.3	DS1340	SOG.050/8/WG.244/L.200	195.40 mm	67.60 mm	0
484	U15	MIC2025	MIC2525_1_SO	SOG.050/8/WG.244/L.200	176.90 mm	157.60 mm	270
485	U16	ST16C2550CQ48	ST16C2550CQ	QUAD.50M/48/WG9.00	121.69 mm	52.95 mm	270
486	U17	MAX3232CSE	MAX232/SO_0	SOG.050/16/WG.244/L.400	112.20 mm	18.28 mm	0
487	Y1	32.768KHz	CRYSTAL	CRYSTAL/100	196.80 mm	62.30 mm	90
488	Y2	1.8432MHz	CRYSTAL	CRYSTAL/ATS/200	128.68 mm	39.46 mm	180

<WLAN_(WM-G-MR-09)> Revised: Thursday, June 04, 2009
Revision: <R00>

Bill Of Mat Page1

Item	Quantity	Reference	Part
1	6	C1,C2,C3,C4,C9,C11	100nF/1608
2	3	C5,C6,C10	1nF/1608
3	1	C8	10UF/2012/10V
4	4	C12,C13,C14,C15	1uF/1608
5	1	D1	BLUE/1608
6	7	FB1,FB2,FB3,FB4,FB5,FB6,FB7	HH-1T1608-800
7	1	J1	HEADER2X6_1.27
8	2	L1,R11	NC/1608
9	1	R2	470R/1608
10	2	R3,R6	0R/1608
11	6	R4,R5,R7,R8,R9,R10	10K/1608
12	1	SMA1	SMA/Angle
13	1	TP1	TEST POINT
14	1	U1	WM-G-MR-09
15	1	U2	XC6210B182M/SOT-25/Tor
16	1	U3	XC6210B122M/SOT-25/Tor

PART LIST (Model : DATECH)

UPDATE : 2008. 03. 03.

REV. A

NO.	LEVEL	PART NO.	DWG NO.	DESCRIPTION	DETAIL	Q'TY	단 가	VENDOR	REMARK	LOCATION	PRICE
				※모든자재는 ROHS 적용가능해야함							
				ASS'Y Main PCB							
1			DATECH PCB		1.6T (96 * 71)	1					
2			MCU	44QFP	ATMEGA8-16AU	1		ATMEL		U1	
3			READER I.C	SO32	MFRC500	1		PHILIPS		U2	
4			RS232 I.C	SO16	MAX232C	1		MAXIM		U3	
5			READER I.C	SO16	U2270B	1		ATMEL		U4	
6			X-TAL	HALF-SIZE	13.56MHz	1		CUSTOM		X1	
7			CONNECT	SMD	53261-05	1		MOLEX		J2	
8			CONNECT	DIP	A1-8PA-2.54DS	1				CN3	
9			LED	DIP	RED 3Ø	1				LED1	
10			LED	DIP	GREEN 3Ø	1				LED2	
11			DIODE	SOT-23	KDS181	1				D1	
12			DIODE	SOT-23	KDS184	1				D2	
13			DIODE	LL-34(SMD)	1N4148	1				D3	
14			RESISTER	CHIP	820-1608	1				R4	
15			RESISTER	CHIP	10K - 1608	1				R5	
16			RESISTER	CHIP	1K - 1608	2				R6,R7	
17			RESISTER	CHIP	0 - 1608	1				R8	
18			RESISTER	CHIP	68K - 1608	1				R9	
19			RESISTER	CHIP	100K - 1608	1				R10	
20			RESISTER	CHIP	75K - 1608	1				R11	
21			RESISTER	CHIP	47 - 1608	1				R12	
22			RESISTER	CHIP	1.5K - 1608	1				R13	
23			RESISTER	CHIP	470K - 1608	1				R14	
24			RESISTER	CHIP	47K - 1608	1				R15	
25			CAPACITOR	CERAMIC CHIP	24pF - 1608	2				C2,C3	
26			CAPACITOR	CERAMIC CHIP	75pF - 1608	2				C10,C11	
27			CAPACITOR	CERAMIC CHIP	120pF - 1608	2				C14,C15	
28			CAPACITOR	CERAMIC CHIP	15pF - 1608	3				C12,C13,C16	

29			CAPACITOR	CERAMIC CHIP	0.22uF - 1608				1				C23	
30			CAPACITOR	CERAMIC CHIP	4700pF - 1608				1				C24	
31			CAPACITOR	CERAMIC CHIP	1200pF - 1608				2				C25-1,C26-1	
			CAPACITOR	CERAMIC CHIP	1000pF - 1608				2				C27-1,C28-1	
32			CAPACITOR	CERAMIC CHIP	1500pF - 1608				2				C29,C30	
33			CAPACITOR	CERAMIC CHIP	0.1uF-1608				10				C6,C8,C9,C18,C19,C20,C21,C22,CP1,CP4	
34			CAPACITOR	Tantal CHIP	10uF/16V(3216)				4				C5,C7,C17,C31	
35			INDUCTOR	CHIP	NLV25T-1R0-PF				1		TDK		L1	
36			CABLE		샘플참조				1					