

Quantun Electronics, LLC.

Format:ST-RD-003

QP990 U (400-470MHz) BOM

ECO:

Ver : 01

NAME: Main board

NO:

NO.	Type	Description	Spec.	Ref.NO.	QTY.	Note
1	Chip Resitor	0402, 0R		R1100	8	
2				C1166		
3				L2205		
4				R2210		
5				R1132		
6				L1113		
7				R1731		
8				R1732		
9		0402,4.7R		R1313	2	
10				R1314		
11		0402,10R		R1312	1	
12		0402,22R		R1639	1	
13		0402,27R		R2701	1	
14		0402,47R		R1106	2	
15				R1103		
16		0402,68R		R2753	5	
17				R2752		
18				R2754		
19				R2756		
20				R2755		
21		0402,100R		L1801	4	
22				R1134		
23				R1206		
24				R1205		
25		0402,120R		R2102	1	
26		0402,330R		R2202	1	
27		0402,470R		C1131	1	
28		0402,560R		R1744	2	
29				R1745		
30		0402,1K		R1814	24	
31				R1812		
32				R2826		
33				R2832		
34				R2834		
35				R2835		
36				R1760		
37				R2833		
38				R2827		
39				R1839		
40				R1758		

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41				R1743		
42				R1738		
43				R1733		
44				R2715		
45				R1735		
46				R2741		
47				R2622		
48				R2610		
49				R2615		
50				R2614		
51				R1221		
52				R1640		
53				R1645		
54		0402,2.2K		R1316	5	
55				R1641		
56				R2211		
57				R2220		
58				R2719		
59		0402,2.7K		R2222	2	
60				R2130		
61		0402 , 3.3K		R1113	1	
62		0402,3.9K		R1104	1	
63		0402,4.7K		R1813	4	
64				R1815		
65				R1757		
66				R1135		
67		0402,6.8K		R1109	1	
68		0402,8.2K		R1133	1	
69		0402 , 10K		R1616	13	
70				R2122		
71				R2727		
72				R2702		
73				R2736		
74				R2734		
75				R2722		
76				R1613		
77				R1303		
78				R1359		
79				R1648		
80				R2212		
81				R2225		

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82		0402,18K		R1107	1	
83		0402,22K		R2718	1	
84		0402,27K		R1108	1	
85		0402,47K		R2126	10	
86				R1112		
87				R1111		
88				R1105		
89				R2623		
90				R1632		
91				R2631		
92				R2630		
93				R1315		
94				R1638		
95		0402,68K		R1642	1	
96		0402,100K		R1204	8	
97				R1203		
98				R1740		
99				R2217		
100				R2218		
101				R2219		
102				R2227		
103				R2228		
104		0402,120K		R1202	2	
105				R1201		
106		0402,150K,F档		R2125	6	
107				R2118		
108				R2121		
109				R2119		
110				R2117		
111				R2120		
112		0402,220K		R2123	2	
113				R1730		
114		0402,390K		R2224	2	
115				R2226		
116		0402,470K		R1728	2	
117				R2223		
118		0402,1MR		R1617	2	
119				R2129		
120		0603,0R		L2804	1	
121		0805,0.39R		R2116	3	
122				R2115		

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123				R2114		
124		0402,100R*4		RN1801	1	
125		0402,1K*4		RN2829	8	
126				RN2830		
127				RN2836		
128				RN2837		
129				RN2838		
130				RN2831		
131				RN2832		
132				RN2833		
133		0402,10V/10p		D1105	8	
134				D2106		
135				D1204		
136				D2209		
137				D2302		
138				D2607		
139				D2611		
140				D2618		
141	Chip	0402,0.5P		C1202	2	
142				C1203		
143		0402,1.5P		C1101	2	
144				C1106		
145		0402,2P		C1103	3	
146				C1104		
147				C2236		
148		0402,3P		C1102	1	
149		0402,4P		C1109	2	
150				C1112		
151		0402,5P		C1107	5	
152				C1105		
153				C1209		
154				C1201		
155				C1129		
156		0402,10P		C1147	2	
157				C1146		
158		0402,12P		C1130	2	
159				C1134		
160		0402,15P		C1133	2	
161				C1114		
162		0402,22p		C1163	1	
163		0402,33P		C1122	1	

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164		0402,39P		C1204	2	
165				C1116		
166		0402,100P		C1111	10	
167				C1117		
168				C2156		
169				C2154		
170				C1137		
171				C1732		
172				C1217		
173				C2218		
174				C2221		
175				C2230		
176		0402 , 150P		C2229	1	
177		0402,470P		C1811	17	
178				C1826		
179				C1818		
180				C1622		
181				C1829		
182				C2155		
183				C1208		
184				C2160		
185				C1128		
186				C1108		
187				C2110		
188				C1211		
189				C2159		
190				C2725		
191				C1889		
192				C1887		
193				C1657		
194		0402,1000P		C2717	31	
195				C2708		
196				C1121		
197				C1161		
198				C1205		
199				C1206		
200				C1118		
201				C1207		
202				C1149		
203				C1815		
204				C1816		

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205				C1814		
206				C1131A		
207				C1124		
208				C1144		
209				C1145		
210				C1136		
211				C2619		
212				C2648		
213				C1618		
214				C2622		
215				C1604		
216				C2620		
217				C2617		
218				C1223		
219				C1227		
220				C1231		
221				C1309		
222				C2232		
223				C2239		
224				C2226		
225		0402,1800P		C1152	1	
226		0402,4700P		C2123	1	
227		0402,0.01uF		C1820	23	
228				C1822		
229				C2702		
230				C2712		
231				C2709		
232				C2720		
233				C2729		
234				C2752		
235				C2727		
236				C2741		
237				C2726		
238				C2749		
239				C2745		
240				C2753		
241				C2751		
242				C2750		
243				C2743		
244				C2742		
245				C2744		

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246				C2748		
247				C2746		
248				C2728		
249				C2747		
250		0402,0.047uF		C1233	2	
251				C2234		
252		0402,0.068uF		C2216	1	
253		0402,0.1uF		C2719	73	
254				C2704		
255				C2730		
256				C2716		
257				C2706		
258				C2710		
259				C1735		
260				C1865		
261				C1864		
262				C1862		
263				C1868		
264				C1872		
265				C1871		
266				C1869		
267				C1881		
268				C1853		
269				C1852		
270				C1857		
271				C1861		
272				C1860		
273				C1858		
274				C1866		
275				C1863		
276				C1859		
277				C1867		
278				C1875		
279				C1873		
280				C1870		
281				C1877		
282				C1876		
283				C1874		
284				C1851		
285				C1855		
286				C1878		

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NO.	Type	Description	Spec.	Ref.NO.	QTY.	Note
287				C1854		
288				C1856		
289				C1830		
290				C1812		
291				C1126		
292				C1731		
293				C2735		
294				C1738		
295				C1740		
296				C2607		
297				C1801		
298				C2805		
299				C2804		
300				C2612		
301				C1603		
302				C1237		
303				C1307		
304				C1314		
305				C1315		
306				C1317		
307				C1318		
308				C1319		
309				C1654		
310				C2225		
311				C2235		
312				C1358		
313				C2238		
314				C1135		
315				C1148		
316				C1150		
317				C1143		
318				C2162		
319				C2222		
320				C2164		
321				C1119		
322				C2158		
323				C1210		
324				C1200		
325				C1127		
326		0402,0.22uF		C1649	2	
327				C1660		

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328		0402,0.47uF		C1306	2	
329				C1652		
330		0402,1uF		C2707	9	
331				C1809		
332				C1807		
333				C1884		
334				C1885		
335				C1630		
336				C1802		
337				C2611		
338				C1617		
339		0402,2.2uF		C2609	2	
340				C2610		
341		0805,1.5uF/10V		C1242	2	
342				C2240		
343		0805,2.2uF/10v		C1888	8	
344				C1890		
345				C1151		
346				C2803		
347				C2631		
348				C2880		
349				C2613		
350				C2618		
351		0805,4.7uF/10v		C1602	12	
352				C1310		
353				C1155		
354				C2202		
355				C1821		
356				C1828		
357				C1824		
358				C1823		
359				C2645		
360				C2243		
361				C1142		
362				C1153		
363		0805,10uF/10V		C1817	7	
364				C1825		
365				C1138		
366				C2120		
367				C2733		
368				C2711		

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NO.	Type	Description	Spec.	Ref.NO.	QTY.	Note
369				C1311		
370	Chip Inductor	0402,2.2nH		L1110	1	
371		0402,15nH		L1203	1	
372		0402,22nH		L1114	1	
373		0402,56nH		L1205	2	
374				L1204		
375		0402,221S		L1813	12	
376				L1118		
377				L1119		
378		601S		L1805		
379		601S		L1806		
380		601S		L1807		
381		601S		L1808		
382		601S		L1814		
383		601S		L1703		
384		221L		L2701		
385		601S		L2702		
386		601S		L2805		
387		0603,220nH		L1811	3	
388				L1822		
389				L1106		
390		0603,1uH		L2206	1	
391		0603,3.3uH		L1117	1	
392		0603,181S		L2803	1	
393		0805,600s		L1112	3	
394				L1109		
395				L2607		
396		1210 1uH		L2101	1	
397	Chip Coil	0.35x1.6x3T		L1102	1	
398		0.35x1.6x4T		L1105	5	
399		0.35x1.6x4T		L1201		
400		0.35x1.6x4T		L1202		
401		0.35x1.6x4T		L1104		
402		0.35x1.6x4T		L1103		
403		0.35x1.6x5T		L1108	2	
404				L1111		
405		Crystal	12.288MHz	X1801	1	
406		Crystal	26MHz	XT1101	1	
407	Diode	RB706F-40		D1203	3	
408				D1612		

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409				D2204		
410		HQ19-2132YGC		D1702	11	
411				D2703		
412				D2704		
413				D2705		
414				D2706		
415				D2707		
416				D2708		
417				D2709		
418				D2710		
419				D2711		
420				D2712		
421		HT19-2132SURC		D1701	1	
422		HVU131		D1101	1	
423		HSM88		D1202	1	
424		BA277		D1201	1	
425		MA2S111		D1713	1	
426	Transistor	2SA1832		Q2203	1	
427		2SA1745		Q2601	2	
428				Q2602		
429		2SA1980		Q1705	1	
430		2SC4116(Y)		Q2204	1	
431		2SC4226		Q1103	1	
432		2SC4738E		Q1608	2	
433				Q1704		
434		2SD1664		Q2701	1	
435		RFM04U6P		Q1101	1	
436		BRF1212		Q1201	1	
437		DTA144EE		Q2105	1	
438		DTC114EE		Q1703	7	
439				Q1702		
440				Q2104		
441				Q1301		
442				Q1603		
443				Q2605		
444				Q2604		
445		UFM717		Q1305	1	
446		UMT1		Q2202	1	
447		IC		U2815	3	
448				U2816		
449				U1813		

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450		IC		U2811	1	
451	FET	2SK1824		Q1706	1	
452		2SK3078		Q1102	1	
453		IC		U1604	2	
454				U1803		
456		IC		U2101	1	
457		IC		U2201	1	
458		IC		U1609	1	
459		IC		U1801		
460		IC		U2701	1	
461		IC		U1703	1	
462		IC		U1302	1	
463		IC		U1814	1	
464		IC		U1817	1	
465		IC		U2810	2	
466				U1812		
467		IC		U2702	1	
468		IC		U1802	1	