

PCB BOM



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 Project: LPCB235__RLOOP__FCU.PrjPCB
 Variant: STANDARD

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#	Designator	Layer	LDL_NUMBER	Description
1	C1	Top	LCA016	Capacitor, Ceramic Chip, 100nF (0.1uF), 50V, 5%, SMD 0603 [LCA016]
2	C2	Top	LCA073	Capacitor, Ceramic Chip, 100nF (0.1uF), 6.3V, 10%, SMD 0402 [LCA073]
3	C3	Top	LCA016	Capacitor, Ceramic Chip, 100nF (0.1uF), 50V, 5%, SMD 0603 [LCA016]
4	C4	Top	LCA016	Capacitor, Ceramic Chip, 100nF (0.1uF), 50V, 5%, SMD 0603 [LCA016]
5	C5	Top	LCA016	Capacitor, Ceramic Chip, 100nF (0.1uF), 50V, 5%, SMD 0603 [LCA016]
6	C6	Top	LCA016	Capacitor, Ceramic Chip, 100nF (0.1uF), 50V, 5%, SMD 0603 [LCA016]
7	C7	Top	LCA016	Capacitor, Ceramic Chip, 100nF (0.1uF), 50V, 5%, SMD 0603 [LCA016]
8	C8	Top	LCA016	Capacitor, Ceramic Chip, 100nF (0.1uF), 50V, 5%, SMD 0603 [LCA016]
9	C9	Top	LCA073	Capacitor, Ceramic Chip, 100nF (0.1uF), 6.3V, 10%, SMD 0402 [LCA073]
10	C10	Top	LCA073	Capacitor, Ceramic Chip, 100nF (0.1uF), 6.3V, 10%, SMD 0402 [LCA073]
11	C11	Bottom	LCA016	Capacitor, Ceramic Chip, 100nF (0.1uF), 50V, 5%, SMD 0603 [LCA016]
12	C12	Bottom	LCA016	Capacitor, Ceramic Chip, 100nF (0.1uF), 50V, 5%, SMD 0603 [LCA016]
13	C13	Bottom	LCA097	Capacitor, Ceramic Chip, 100uF, 6.3V, X5R, 20%, SMD 1210 [LCA097]
14	C14_OGA1	Top	LCA016	Capacitor, Ceramic Chip, 100nF (0.1uF), 50V, 5%, SMD 0603 [LCA016]
15	C14_OGA2	Top	LCA016	Capacitor, Ceramic Chip, 100nF (0.1uF), 50V, 5%, SMD 0603 [LCA016]
16	C14_OGA3	Top	LCA016	Capacitor, Ceramic Chip, 100nF (0.1uF), 50V, 5%, SMD 0603 [LCA016]
17	C15	Bottom	LCA016	Capacitor, Ceramic Chip, 100nF (0.1uF), 50V, 5%, SMD 0603 [LCA016]
18	C16	Bottom	LCA016	Capacitor, Ceramic Chip, 100nF (0.1uF), 50V, 5%, SMD 0603 [LCA016]
19	C17	Bottom	LCA097	Capacitor, Ceramic Chip, 100uF, 6.3V, X5R, 20%, SMD 1210 [LCA097]
20	C18	Top	LCA016	Capacitor, Ceramic Chip, 100nF (0.1uF), 50V, 5%, SMD 0603 [LCA016]
21	C19	Top	LCA073	Capacitor, Ceramic Chip, 100nF (0.1uF), 6.3V, 10%, SMD 0402 [LCA073]
22	C20	Bottom	LCA016	Capacitor, Ceramic Chip, 100nF (0.1uF), 50V, 5%, SMD 0603 [LCA016]
23	C21	Top	LCA016	Capacitor, Ceramic Chip, 100nF (0.1uF), 50V, 5%, SMD 0603 [LCA016]
24	C22	Bottom	LCA016	Capacitor, Ceramic Chip, 100nF (0.1uF), 50V, 5%, SMD 0603 [LCA016]
25	C23	Bottom	LCA016	Capacitor, Ceramic Chip, 100nF (0.1uF), 50V, 5%, SMD 0603 [LCA016]
26	C24	Top	LCA073	Capacitor, Ceramic Chip, 100nF (0.1uF), 6.3V, 10%, SMD 0402 [LCA073]
27	C26	Top	LCA019	Capacitor, Ceramic Chip, 10pF, 50V, 5%, SMD 0603 [LCA019]

28	C27	Top	LCA019	Capacitor, Ceramic Chip, 10pF, 50V, 5%, SMD 0603 [LCA019]
29	C28	Top	LCA019	Capacitor, Ceramic Chip, 10pF, 50V, 5%, SMD 0603 [LCA019]
30	C29	Bottom	LCA073	Capacitor, Ceramic Chip, 100nF (0.1uF), 6.3V, 10%, SMD 0402 [LCA073]
31	C30	Top	LCA072	Capacitor, Ceramic Chip, 10nF (0.01uF), 25V, 5%, SMD 0402 [LCA072]
32	C31	Bottom	LCA073	Capacitor, Ceramic Chip, 100nF (0.1uF), 6.3V, 10%, SMD 0402 [LCA073]
33	C32	Bottom	LCA073	Capacitor, Ceramic Chip, 100nF (0.1uF), 6.3V, 10%, SMD 0402 [LCA073]
34	C33	Bottom	LCA073	Capacitor, Ceramic Chip, 100nF (0.1uF), 6.3V, 10%, SMD 0402 [LCA073]
35	C34	Bottom	LCA073	Capacitor, Ceramic Chip, 100nF (0.1uF), 6.3V, 10%, SMD 0402 [LCA073]
36	C35	Bottom	LCA073	Capacitor, Ceramic Chip, 100nF (0.1uF), 6.3V, 10%, SMD 0402 [LCA073]
37	C36	Bottom	LCA073	Capacitor, Ceramic Chip, 100nF (0.1uF), 6.3V, 10%, SMD 0402 [LCA073]
38	C37	Bottom	LCA073	Capacitor, Ceramic Chip, 100nF (0.1uF), 6.3V, 10%, SMD 0402 [LCA073]
39	C38	Bottom	LCA073	Capacitor, Ceramic Chip, 100nF (0.1uF), 6.3V, 10%, SMD 0402 [LCA073]
40	C39	Bottom	LCA073	Capacitor, Ceramic Chip, 100nF (0.1uF), 6.3V, 10%, SMD 0402 [LCA073]
41	C40	Bottom	LCA073	Capacitor, Ceramic Chip, 100nF (0.1uF), 6.3V, 10%, SMD 0402 [LCA073]
42	C41	Bottom	LCA073	Capacitor, Ceramic Chip, 100nF (0.1uF), 6.3V, 10%, SMD 0402 [LCA073]
43	C42	Bottom	LCA073	Capacitor, Ceramic Chip, 100nF (0.1uF), 6.3V, 10%, SMD 0402 [LCA073]
44	C43	Bottom	LCA073	Capacitor, Ceramic Chip, 100nF (0.1uF), 6.3V, 10%, SMD 0402 [LCA073]
45	C44	Bottom	LCA073	Capacitor, Ceramic Chip, 100nF (0.1uF), 6.3V, 10%, SMD 0402 [LCA073]
46	C45	Top	LCA097	Capacitor, Ceramic Chip, 100uF, 6.3V, X5R, 20%, SMD 1210 [LCA097]
47	C46	Top	LCA097	Capacitor, Ceramic Chip, 100uF, 6.3V, X5R, 20%, SMD 1210 [LCA097]
48	C47	Bottom	LCA073	Capacitor, Ceramic Chip, 100nF (0.1uF), 6.3V, 10%, SMD 0402 [LCA073]
49	C48	Bottom	LCA073	Capacitor, Ceramic Chip, 100nF (0.1uF), 6.3V, 10%, SMD 0402 [LCA073]
50	C49	Bottom	LCA073	Capacitor, Ceramic Chip, 100nF (0.1uF), 6.3V, 10%, SMD 0402 [LCA073]
51	C50	Bottom	LCA073	Capacitor, Ceramic Chip, 100nF (0.1uF), 6.3V, 10%, SMD 0402 [LCA073]
52	C51	Bottom	LCA073	Capacitor, Ceramic Chip, 100nF (0.1uF), 6.3V, 10%, SMD 0402 [LCA073]
53	C52	Top	LCA097	Capacitor, Ceramic Chip, 100uF, 6.3V, X5R, 20%, SMD 1210 [LCA097]
54	C53	Bottom	LCA073	Capacitor, Ceramic Chip, 100nF (0.1uF), 6.3V, 10%, SMD 0402 [LCA073]
55	C54	Bottom	LCA073	Capacitor, Ceramic Chip, 100nF (0.1uF), 6.3V, 10%, SMD 0402 [LCA073]
56	C55	Bottom	LCA072	Capacitor, Ceramic Chip, 10nF (0.01uF), 25V, 5%, SMD 0402 [LCA072]
57	C56	Bottom	LCA072	Capacitor, Ceramic Chip, 10nF (0.01uF), 25V, 5%, SMD 0402 [LCA072]
58	C57	Bottom	LCA073	Capacitor, Ceramic Chip, 100nF (0.1uF), 6.3V, 10%, SMD 0402 [LCA073]
59	C58	Top	LCA073	Capacitor, Ceramic Chip, 100nF (0.1uF), 6.3V, 10%, SMD 0402 [LCA073]
60	C59	Top	LCA016	Capacitor, Ceramic Chip, 100nF (0.1uF), 50V, 5%, SMD 0603 [LCA016]
61	C60	Top	LCA098	Capacitor, Ceramic Chip, 1uF, 50V, SMD 0805 [LCA098]
62	C61	Top	LCA016	Capacitor, Ceramic Chip, 100nF (0.1uF), 50V, 5%, SMD 0603 [LCA016]
63	C62	Top	LCA016	Capacitor, Ceramic Chip, 100nF (0.1uF), 50V, 5%, SMD 0603 [LCA016]
64	C63	Top	LCA111	Capacitor, Ceramic Chip, 470pF, 50V, 10% X7R, SMD 0603 [LCA111]
65	C64	Top	LCA016	Capacitor, Ceramic Chip, 100nF (0.1uF), 50V, 5%, SMD 0603 [LCA016]
66	C65	Top	LCA016	Capacitor, Ceramic Chip, 100nF (0.1uF), 50V, 5%, SMD 0603 [LCA016]

67	C66	Top	LCA016	Capacitor, Ceramic Chip, 100nF (0.1uF), 50V, 5%, SMD 0603 [LCA016]
68	C67	Top	LCA016	Capacitor, Ceramic Chip, 100nF (0.1uF), 50V, 5%, SMD 0603 [LCA016]
69	C68	Top	LCA016	Capacitor, Ceramic Chip, 100nF (0.1uF), 50V, 5%, SMD 0603 [LCA016]
70	C69	Top	LCA098	Capacitor, Ceramic Chip, 1uF, 50V, SMD 0805 [LCA098]
71	C70	Top	LCA015	Capacitor, Ceramic Chip, 1nF (1000pF), 50V, 10%, SMD 0603 [LCA015]
72	C71	Top	LCA098	Capacitor, Ceramic Chip, 1uF, 50V, SMD 0805 [LCA098]
73	C72	Bottom	LCA016	Capacitor, Ceramic Chip, 100nF (0.1uF), 50V, 5%, SMD 0603 [LCA016]
74	C73	Top	LCA016	Capacitor, Ceramic Chip, 100nF (0.1uF), 50V, 5%, SMD 0603 [LCA016]
75	C74	Top	LCA098	Capacitor, Ceramic Chip, 1uF, 50V, SMD 0805 [LCA098]
76	C75	Bottom	LCA016	Capacitor, Ceramic Chip, 100nF (0.1uF), 50V, 5%, SMD 0603 [LCA016]
77	C76	Top	LCA016	Capacitor, Ceramic Chip, 100nF (0.1uF), 50V, 5%, SMD 0603 [LCA016]
78	C77	Bottom	LCA016	Capacitor, Ceramic Chip, 100nF (0.1uF), 50V, 5%, SMD 0603 [LCA016]
79	C78	Bottom	LCA016	Capacitor, Ceramic Chip, 100nF (0.1uF), 50V, 5%, SMD 0603 [LCA016]
80	C79	Top	LCA016	Capacitor, Ceramic Chip, 100nF (0.1uF), 50V, 5%, SMD 0603 [LCA016]
81	C80	Bottom	LCA016	Capacitor, Ceramic Chip, 100nF (0.1uF), 50V, 5%, SMD 0603 [LCA016]
82	C81	Bottom	LCA016	Capacitor, Ceramic Chip, 100nF (0.1uF), 50V, 5%, SMD 0603 [LCA016]
83	C82	Bottom	LCA016	Capacitor, Ceramic Chip, 100nF (0.1uF), 50V, 5%, SMD 0603 [LCA016]
84	C83	Top	LCA016	Capacitor, Ceramic Chip, 100nF (0.1uF), 50V, 5%, SMD 0603 [LCA016]
85	C84	Bottom	LCA016	Capacitor, Ceramic Chip, 100nF (0.1uF), 50V, 5%, SMD 0603 [LCA016]
86	C85	Bottom	LCA016	Capacitor, Ceramic Chip, 100nF (0.1uF), 50V, 5%, SMD 0603 [LCA016]
87	C86	Bottom	LCA016	Capacitor, Ceramic Chip, 100nF (0.1uF), 50V, 5%, SMD 0603 [LCA016]
88	C87	Top	LCA073	Capacitor, Ceramic Chip, 100nF (0.1uF), 6.3V, 10%, SMD 0402 [LCA073]
89	C88	Top	LCA016	Capacitor, Ceramic Chip, 100nF (0.1uF), 50V, 5%, SMD 0603 [LCA016]
90	C89	Bottom	LCA073	Capacitor, Ceramic Chip, 100nF (0.1uF), 6.3V, 10%, SMD 0402 [LCA073]
91	C90	Bottom	LCA016	Capacitor, Ceramic Chip, 100nF (0.1uF), 50V, 5%, SMD 0603 [LCA016]
92	C91	Bottom	LCA016	Capacitor, Ceramic Chip, 100nF (0.1uF), 50V, 5%, SMD 0603 [LCA016]
93	C92	Bottom	LCA016	Capacitor, Ceramic Chip, 100nF (0.1uF), 50V, 5%, SMD 0603 [LCA016]
94	C93	Bottom	LCA016	Capacitor, Ceramic Chip, 100nF (0.1uF), 50V, 5%, SMD 0603 [LCA016]
95	C94	Bottom	LCA016	Capacitor, Ceramic Chip, 100nF (0.1uF), 50V, 5%, SMD 0603 [LCA016]
96	C95	Top	LCA073	Capacitor, Ceramic Chip, 100nF (0.1uF), 6.3V, 10%, SMD 0402 [LCA073]
97	C98	Top	LCA016	Capacitor, Ceramic Chip, 100nF (0.1uF), 50V, 5%, SMD 0603 [LCA016]
98	C99	Top	LCA016	Capacitor, Ceramic Chip, 100nF (0.1uF), 50V, 5%, SMD 0603 [LCA016]
99	C100	Top	LCA016	Capacitor, Ceramic Chip, 100nF (0.1uF), 50V, 5%, SMD 0603 [LCA016]
100	C101	Top	LCA016	Capacitor, Ceramic Chip, 100nF (0.1uF), 50V, 5%, SMD 0603 [LCA016]
101	C102	Top	LCA016	Capacitor, Ceramic Chip, 100nF (0.1uF), 50V, 5%, SMD 0603 [LCA016]
102	C103	Top	LCA016	Capacitor, Ceramic Chip, 100nF (0.1uF), 50V, 5%, SMD 0603 [LCA016]
103	C104	Top	LCA016	Capacitor, Ceramic Chip, 100nF (0.1uF), 50V, 5%, SMD 0603 [LCA016]
104	C105	Top	LCA016	Capacitor, Ceramic Chip, 100nF (0.1uF), 50V, 5%, SMD 0603 [LCA016]
105	C108	Top	LCA016	Capacitor, Ceramic Chip, 100nF (0.1uF), 50V, 5%, SMD 0603 [LCA016]

106	C109	Top	LCA016	Capacitor, Ceramic Chip, 100nF (0.1uF), 50V, 5%, SMD 0603 [LCA016]
107	C110	Top	LCA016	Capacitor, Ceramic Chip, 100nF (0.1uF), 50V, 5%, SMD 0603 [LCA016]
108	C111	Top	LCA016	Capacitor, Ceramic Chip, 100nF (0.1uF), 50V, 5%, SMD 0603 [LCA016]
109	C112_OGB1	Top	LCA016	Capacitor, Ceramic Chip, 100nF (0.1uF), 50V, 5%, SMD 0603 [LCA016]
110	C112_OGB2	Top	LCA016	Capacitor, Ceramic Chip, 100nF (0.1uF), 50V, 5%, SMD 0603 [LCA016]
111	C112_OGB3	Top	LCA016	Capacitor, Ceramic Chip, 100nF (0.1uF), 50V, 5%, SMD 0603 [LCA016]
112	C113	Top	LCA016	Capacitor, Ceramic Chip, 100nF (0.1uF), 50V, 5%, SMD 0603 [LCA016]
113	C114	Top	LCA016	Capacitor, Ceramic Chip, 100nF (0.1uF), 50V, 5%, SMD 0603 [LCA016]
114	C115	Top	LCA016	Capacitor, Ceramic Chip, 100nF (0.1uF), 50V, 5%, SMD 0603 [LCA016]
115	C116	Top	LCA016	Capacitor, Ceramic Chip, 100nF (0.1uF), 50V, 5%, SMD 0603 [LCA016]
116	C117	Top	LCA016	Capacitor, Ceramic Chip, 100nF (0.1uF), 50V, 5%, SMD 0603 [LCA016]
117	C118	Top	LCA016	Capacitor, Ceramic Chip, 100nF (0.1uF), 50V, 5%, SMD 0603 [LCA016]
118	C119	Top	LCA073	Capacitor, Ceramic Chip, 100nF (0.1uF), 6.3V, 10%, SMD 0402 [LCA073]
119	C120	Bottom	LCA016	Capacitor, Ceramic Chip, 100nF (0.1uF), 50V, 5%, SMD 0603 [LCA016]
120	C121	Bottom	LCA016	Capacitor, Ceramic Chip, 100nF (0.1uF), 50V, 5%, SMD 0603 [LCA016]
121	C122	Bottom	LCA016	Capacitor, Ceramic Chip, 100nF (0.1uF), 50V, 5%, SMD 0603 [LCA016]
122	C123	Bottom	LCA016	Capacitor, Ceramic Chip, 100nF (0.1uF), 50V, 5%, SMD 0603 [LCA016]
123	C124	Bottom	LCA016	Capacitor, Ceramic Chip, 100nF (0.1uF), 50V, 5%, SMD 0603 [LCA016]
124	C125	Bottom	LCA016	Capacitor, Ceramic Chip, 100nF (0.1uF), 50V, 5%, SMD 0603 [LCA016]
125	C126	Top	LCA093	Capacitor, Ceramic Chip, 4.7uF, 25V, 10%, SMD 0805 [LCA093]
126	C128_TH1	Top	LCA152	Capacitor, Ceramic Chip, 1uF, 50V, 10% (X5R), SMD 0603 [LCA152]
127	C128_TH2	Top	LCA152	Capacitor, Ceramic Chip, 1uF, 50V, 10% (X5R), SMD 0603 [LCA152]
128	C128_TH3	Top	LCA152	Capacitor, Ceramic Chip, 1uF, 50V, 10% (X5R), SMD 0603 [LCA152]
129	C128_TH4	Top	LCA152	Capacitor, Ceramic Chip, 1uF, 50V, 10% (X5R), SMD 0603 [LCA152]
130	C128_TH5	Top	LCA152	Capacitor, Ceramic Chip, 1uF, 50V, 10% (X5R), SMD 0603 [LCA152]
131	C128_TH6	Top	LCA152	Capacitor, Ceramic Chip, 1uF, 50V, 10% (X5R), SMD 0603 [LCA152]
132	C128_TH7	Top	LCA152	Capacitor, Ceramic Chip, 1uF, 50V, 10% (X5R), SMD 0603 [LCA152]
133	C128_TH8	Top	LCA152	Capacitor, Ceramic Chip, 1uF, 50V, 10% (X5R), SMD 0603 [LCA152]
134	C129_TH1	Top	LCA016	Capacitor, Ceramic Chip, 100nF (0.1uF), 50V, 5%, SMD 0603 [LCA016]
135	C129_TH2	Top	LCA016	Capacitor, Ceramic Chip, 100nF (0.1uF), 50V, 5%, SMD 0603 [LCA016]
136	C129_TH3	Top	LCA016	Capacitor, Ceramic Chip, 100nF (0.1uF), 50V, 5%, SMD 0603 [LCA016]
137	C129_TH4	Top	LCA016	Capacitor, Ceramic Chip, 100nF (0.1uF), 50V, 5%, SMD 0603 [LCA016]
138	C129_TH5	Top	LCA016	Capacitor, Ceramic Chip, 100nF (0.1uF), 50V, 5%, SMD 0603 [LCA016]
139	C129_TH6	Top	LCA016	Capacitor, Ceramic Chip, 100nF (0.1uF), 50V, 5%, SMD 0603 [LCA016]
140	C129_TH7	Top	LCA016	Capacitor, Ceramic Chip, 100nF (0.1uF), 50V, 5%, SMD 0603 [LCA016]
141	C129_TH8	Top	LCA016	Capacitor, Ceramic Chip, 100nF (0.1uF), 50V, 5%, SMD 0603 [LCA016]
142	C130	Top	LCA016	Capacitor, Ceramic Chip, 100nF (0.1uF), 50V, 5%, SMD 0603 [LCA016]
143	C131	Top	LCA016	Capacitor, Ceramic Chip, 100nF (0.1uF), 50V, 5%, SMD 0603 [LCA016]
144	C132	Top	LCA016	Capacitor, Ceramic Chip, 100nF (0.1uF), 50V, 5%, SMD 0603 [LCA016]

145	C133	Top	LCA016	Capacitor, Ceramic Chip, 100nF (0.1uF), 50V, 5%, SMD 0603 [LCA016]
146	C134_TH1	Top	LCA016	Capacitor, Ceramic Chip, 100nF (0.1uF), 50V, 5%, SMD 0603 [LCA016]
147	C134_TH2	Top	LCA016	Capacitor, Ceramic Chip, 100nF (0.1uF), 50V, 5%, SMD 0603 [LCA016]
148	C134_TH3	Top	LCA016	Capacitor, Ceramic Chip, 100nF (0.1uF), 50V, 5%, SMD 0603 [LCA016]
149	C134_TH4	Top	LCA016	Capacitor, Ceramic Chip, 100nF (0.1uF), 50V, 5%, SMD 0603 [LCA016]
150	C134_TH5	Top	LCA016	Capacitor, Ceramic Chip, 100nF (0.1uF), 50V, 5%, SMD 0603 [LCA016]
151	C134_TH6	Top	LCA016	Capacitor, Ceramic Chip, 100nF (0.1uF), 50V, 5%, SMD 0603 [LCA016]
152	C134_TH7	Top	LCA016	Capacitor, Ceramic Chip, 100nF (0.1uF), 50V, 5%, SMD 0603 [LCA016]
153	C134_TH8	Top	LCA016	Capacitor, Ceramic Chip, 100nF (0.1uF), 50V, 5%, SMD 0603 [LCA016]
154	C137	Top	LCA016	Capacitor, Ceramic Chip, 100nF (0.1uF), 50V, 5%, SMD 0603 [LCA016]
155	C138	Bottom	LCA016	Capacitor, Ceramic Chip, 100nF (0.1uF), 50V, 5%, SMD 0603 [LCA016]
156	C139	Bottom	LCA016	Capacitor, Ceramic Chip, 100nF (0.1uF), 50V, 5%, SMD 0603 [LCA016]
157	C140	Bottom	LCA016	Capacitor, Ceramic Chip, 100nF (0.1uF), 50V, 5%, SMD 0603 [LCA016]
158	C141_ML1	Top	LCA019	Capacitor, Ceramic Chip, 10pF, 50V, 5%, SMD 0603 [LCA019]
159	C141_ML2	Top	LCA019	Capacitor, Ceramic Chip, 10pF, 50V, 5%, SMD 0603 [LCA019]
160	C142_ML1	Top	LCA016	Capacitor, Ceramic Chip, 100nF (0.1uF), 50V, 5%, SMD 0603 [LCA016]
161	C142_ML2	Top	LCA016	Capacitor, Ceramic Chip, 100nF (0.1uF), 50V, 5%, SMD 0603 [LCA016]
162	C143	Top	LCA016	Capacitor, Ceramic Chip, 100nF (0.1uF), 50V, 5%, SMD 0603 [LCA016]
163	C144	Top	LCA016	Capacitor, Ceramic Chip, 100nF (0.1uF), 50V, 5%, SMD 0603 [LCA016]
164	C145	Top	LCA016	Capacitor, Ceramic Chip, 100nF (0.1uF), 50V, 5%, SMD 0603 [LCA016]
165	C146	Top	LCA016	Capacitor, Ceramic Chip, 100nF (0.1uF), 50V, 5%, SMD 0603 [LCA016]
166	C147	Top	LCA016	Capacitor, Ceramic Chip, 100nF (0.1uF), 50V, 5%, SMD 0603 [LCA016]
167	C148	Top	LCA016	Capacitor, Ceramic Chip, 100nF (0.1uF), 50V, 5%, SMD 0603 [LCA016]
168	CE1	Top	LCA071	Capacitor, Aluminum Electrolytic, 330uF, 35V, 20%, SMD (10mm x 10mm) [LCA071]
169	CE4	Top	LCA071	Capacitor, Aluminum Electrolytic, 330uF, 35V, 20%, SMD (10mm x 10mm)
170	CE5	Top	LCA071	Capacitor, Aluminum Electrolytic, 330uF, 35V, 20%, SMD (10mm x 10mm)
171	CN1	Top	LCN249	Connector, Molex CMC, Automotive Socket, 80 Circuits, 2 Pockets
172	CN3	Top	LCN249	Connector, Molex CMC, Automotive Socket, 80 Circuits, 2 Pockets
173	CT1	Bottom	LCA039	Capacitor, Tantalum, 22uF, 16V, 10%, SMD TC3528 (BCASE) [LCA039]
174	CT2	Bottom	LCA039	Capacitor, Tantalum, 22uF, 16V, 10%, SMD TC3528 (BCASE) [LCA039]
175	CT3	Top	LCA039	Capacitor, Tantalum, 22uF, 16V, 10%, SMD TC3528 (BCASE) [LCA039]
176	CT6	Top	LCA039	Capacitor, Tantalum, 22uF, 16V, 10%, SMD TC3528 (BCASE) [LCA039]
177	CT7	Top	LCA039	Capacitor, Tantalum, 22uF, 16V, 10%, SMD TC3528 (BCASE) [LCA039]
178	CT8	Top	LCA039	Capacitor, Tantalum, 22uF, 16V, 10%, SMD TC3528 (BCASE) [LCA039]
179	CT9	Top	LCA039	Capacitor, Tantalum, 22uF, 16V, 10%, SMD TC3528 (BCASE) [LCA039]
180	CT10	Top	LCA039	Capacitor, Tantalum, 22uF, 16V, 10%, SMD TC3528 (BCASE) [LCA039]
181	CT11	Top	LCA039	Capacitor, Tantalum, 22uF, 16V, 10%, SMD TC3528 (BCASE) [LCA039]
182	CT12	Top	LCA039	Capacitor, Tantalum, 22uF, 16V, 10%, SMD TC3528 (BCASE) [LCA039]
183	CT13	Bottom	LCA039	Capacitor, Tantalum, 22uF, 16V, 10%, SMD TC3528 (BCASE) [LCA039]

184	CT14	Top	LCA039	Capacitor, Tantalum, 22uF, 16V, 10%, SMD TC3528 (BCASE) [LCA039]
185	D1	Bottom	LIC345	Diode, Small Signal, SMD SOD-323F [LIC345]
186	D2	Bottom	LIC345	Diode, Small Signal, SMD SOD-323F [LIC345]
187	D3	Bottom	LIC189	Diode, General Purpose Rectifier, 3A, 200V, SMD DO-214AB [LIC189]
188	D4	Top	LIC189	Diode, General Purpose Rectifier, 3A, 200V, SMD DO-214AB [LIC189]
189	D5	Top	LIC367	Diode, Schottky Rectifier, 60V, 1A, SMD DO-214AC [LIC367]
190	D6	Bottom	LIC345	Diode, Small Signal, SMD SOD-323F [LIC345]
191	D7	Bottom	LIC345	Diode, Small Signal, SMD SOD-323F [LIC345]
192	D9	Bottom	LIC189	Diode, General Purpose Rectifier, 3A, 200V, SMD DO-214AB [LIC189]
193	D10	Bottom	LIC006	Diode, Small Signal, 0.2A, 85V, SMD SOT-23 [LIC006]
194	D11	Bottom	LIC345	Diode, Small Signal, SMD SOD-323F [LIC345]
195	D12	Bottom	LIC345	Diode, Small Signal, SMD SOD-323F [LIC345]
196	D17	Bottom	LIC345	Diode, Small Signal, SMD SOD-323F [LIC345]
197	IC1	Top	LIC393	IC, Accelerometer, 3-Axis, 3.3V, I2C, SMD QFN16 [LIC393]
198	IC2	Bottom	LIC233	IC, Voltage Regulator, 400mA, 3.3V LDO, SMD DPAK [LIC233]
199	IC3_OGA1	Top	LIC542	IC, RS422 Tx Rx, SMD SOIC 8
200	IC3_OGA2	Top	LIC542	IC, RS422 Tx Rx, SMD SOIC 8
201	IC3_OGA3	Top	LIC542	IC, RS422 Tx Rx, SMD SOIC 8
202	IC4	Top	LIC105	IC, High Speed CAN Transceiver, SMD SOIC8 [LIC105]
203	IC5	Top	LIC472	IC, SPI to UART bridge [LIC472]
204	IC6	Top	LIC393	IC, Accelerometer, 3-Axis, 3.3V, I2C, SMD QFN16 [LIC393]
205	IC7	Top	LIC472	IC, SPI to UART bridge [LIC472]
206	IC8	Top	LIC472	IC, SPI to UART bridge [LIC472]
207	IC9	Top	LIC472	IC, SPI to UART bridge [LIC472]
208	IC10	Bottom	LIC328	IC, Voltage Regulator, 400mA, 5V LDO, SMD DPAK [LIC328]
209	IC11	Top	LIC472	IC, SPI to UART bridge [LIC472]
210	IC12	Top	LIC016	LED, SMD, 0805 Green [LIC016]
211	IC13	Top	LIC508	IC, Oscillator Module, 1.8432MHz, 3.3V, SMD [LIC508]
212	IC14	Top	LIC278	IC, CPU, RM48 Safety CPU, SMD NFBGA337 [LIC278]
213	IC15	Top	LIC016	LED, SMD, 0805 Green [LIC016]
214	IC16	Top	LIC364	IC, Power Management IC, SMD [LIC364]
215	IC17	Top	LIC289	IC, SPI IO Expander, 16bit, SMD SSOP28 [LIC289]
216	IC18	Bottom	LIC543	IC, RS485 Isolator, SMD SOIC 16 [LIC543]
217	IC19	Bottom	LIC233	IC, Voltage Regulator, 400mA, 3.3V LDO, SMD DPAK [LIC233]
218	IC20	Bottom	LIC328	IC, Voltage Regulator, 400mA, 5V LDO, SMD DPAK [LIC328]
219	IC21	Top	LIC472	IC, SPI to UART bridge [LIC472]
220	IC22	Top	LIC472	IC, SPI to UART bridge [LIC472]
221	IC23	Top	LIC165	IC, RS232 Line Driver, 3.3V, SMD TSSOP16 [LIC165]
222	IC24	Top	LIC165	IC, RS232 Line Driver, 3.3V, SMD TSSOP16 [LIC165]

223	IC25	Bottom	LIC543	IC, RS485 Isolator, SMD SOIC 16 [LIC543]
224	IC26	Bottom	LIC543	IC, RS485 Isolator, SMD SOIC 16 [LIC543]
225	IC27	Top	LIC374	IC, Ethernet Transceiver, Precision Real Time Protocol, SMD LQFP48 [LIC374]
226	IC28	Bottom	LIC543	IC, RS485 Isolator, SMD SOIC 16 [LIC543]
227	IC29	Bottom	LIC543	IC, RS485 Isolator, SMD SOIC 16 [LIC543]
228	IC30	Bottom	LIC543	IC, RS485 Isolator, SMD SOIC 16 [LIC543]
229	IC31	Bottom	LIC543	IC, RS485 Isolator, SMD SOIC 16 [LIC543]
230	IC32_OGB1	Top	LIC542	IC, RS422 Tx Rx, SMD SOIC 8
231	IC32_OGB2	Top	LIC542	IC, RS422 Tx Rx, SMD SOIC 8
232	IC32_OGB3	Top	LIC542	IC, RS422 Tx Rx, SMD SOIC 8
233	IC33	Top	LIC472	IC, SPI to UART bridge [LIC472]
234	IC34	Top	LIC388	IC, Oscillator Module, 25MHz, 3.3V, SMD [LIC388]
235	IC35	Top	LIC165	IC, RS232 Line Driver, 3.3V, SMD TSSOP16 [LIC165]
236	IC36	Top	LIC160	IC, Hex Inveter, Schmitt Trigger, SMD [LIC160]
237	IC37	Top	LIC550	IC, ADC / DAC, SMD [LIC550]
238	IC38_TH1	Top	LIC549	IC, Isolation Amplifier, SMD SOIC8 [LIC549]
239	IC38_TH2	Top	LIC549	IC, Isolation Amplifier, SMD SOIC8 [LIC549]
240	IC38_TH3	Top	LIC549	IC, Isolation Amplifier, SMD SOIC8 [LIC549]
241	IC38_TH4	Top	LIC549	IC, Isolation Amplifier, SMD SOIC8 [LIC549]
242	IC38_TH5	Top	LIC549	IC, Isolation Amplifier, SMD SOIC8 [LIC549]
243	IC38_TH6	Top	LIC549	IC, Isolation Amplifier, SMD SOIC8 [LIC549]
244	IC38_TH7	Top	LIC549	IC, Isolation Amplifier, SMD SOIC8 [LIC549]
245	IC38_TH8	Top	LIC549	IC, Isolation Amplifier, SMD SOIC8 [LIC549]
246	IC39_TH1	Top	LIC570	IC, OpAmp, 1-Channel, Low Noise, SMD SOT-23-5 [LIC570]
247	IC39_TH2	Top	LIC570	IC, OpAmp, 1-Channel, Low Noise, SMD SOT-23-5 [LIC570]
248	IC39_TH3	Top	LIC570	IC, OpAmp, 1-Channel, Low Noise, SMD SOT-23-5 [LIC570]
249	IC39_TH4	Top	LIC570	IC, OpAmp, 1-Channel, Low Noise, SMD SOT-23-5 [LIC570]
250	IC39_TH5	Top	LIC570	IC, OpAmp, 1-Channel, Low Noise, SMD SOT-23-5 [LIC570]
251	IC39_TH6	Top	LIC570	IC, OpAmp, 1-Channel, Low Noise, SMD SOT-23-5 [LIC570]
252	IC39_TH7	Top	LIC570	IC, OpAmp, 1-Channel, Low Noise, SMD SOT-23-5 [LIC570]
253	IC39_TH8	Top	LIC570	IC, OpAmp, 1-Channel, Low Noise, SMD SOT-23-5 [LIC570]
254	IC40	Bottom	LIC543	IC, RS485 Isolator, SMD SOIC 16 [LIC543]
255	IC42	Top	LIC580	IC, Watchdog, SMD [LIC580]
256	IC43	Top	LIC165	IC, RS232 Line Driver, 3.3V, SMD TSSOP16 [LIC165]
257	IC45	Bottom	LIC233	IC, Voltage Regulator, 400mA, 3.3V LDO, SMD DPAK [LIC233]
258	IC46	Top	LIC525	IC, Multiplexer Select 2-1 [LIC525]
259	IC47_ML1	Top	LIC570	IC, OpAmp, 1-Channel, Low Noise, SMD SOT-23-5 [LIC570]
260	IC47_ML2	Top	LIC570	IC, OpAmp, 1-Channel, Low Noise, SMD SOT-23-5 [LIC570]
261	IC48_ML1	Top	LIC547	Diode, Zener, 3.6V, 0.225W, SMD [LIC083]

262	IC48_ML2	Top	LIC547	Diode, Zener, 3.6V, 0.225W, SMD [LIC083]
263	IC49	Top	LIC292	IC, Relay Driver, 28V Industrial, SMD SOT23 [LIC292]
264	IC50	Top	LIC336	IC, Logic OR Gate, Single 2 Input, SMD SOT353 [LIC336]
265	IC51	Top	LIC336	IC, Logic OR Gate, Single 2 Input, SMD SOT353 [LIC336]
266	IC52	Top	LIC165	IC, RS232 Line Driver, 3.3V, SMD TSSOP16
267	L1	Top	LIN017	Ferrite, EMI/RFI Suppression, SMD 0805 [LIN017]
268	L2	Top	LIN031	Inductor, 10uH, 20%, 5.7A, SMD [LIN031]
269	L3	Top	LIN032	Transformer, Signal Transformers, SMD [LIN032]
270	L4	Top	LIN031	Inductor, 10uH, 20%, 5.7A, SMD [LIN031]
271	PW2	Top	LPW030	Non Isolated DC/DC Module
272	Q1	Top	LIC366	Transistor, NPN, 20V 8A 770mW 95MHz, SMD [LIC366]
273	Q2	Top	LIC366	Transistor, NPN, 20V 8A 770mW 95MHz, SMD [LIC366]
274	R1	Bottom	LRE030	Resistor, Ceramic Chip, 10K, 0.1W, 1%, SMD 0603 [LRE030]
275	R2	Bottom	LRE030	Resistor, Ceramic Chip, 10K, 0.1W, 1%, SMD 0603 [LRE030]
276	R3	Bottom	LRE077	Resistor, Ceramic Chip, 121R, 0.33W, 1%, SMD 1210 [LRE077]
277	R4	Top	LRE037	Resistor, Ceramic Chip, 47R, 0.1W, 1%, SMD 0603 [LRE037]
278	R5	Bottom	LRE027	Resistor, Ceramic Chip, 2.2K, 0.1W, 1%, SMD 0603 [LRE027]
279	R6	Top	LRE027	Resistor, Ceramic Chip, 2.2K, 0.1W, 1%, SMD 0603 [LRE027]
280	R7	Bottom	LRE030	Resistor, Ceramic Chip, 10K, 0.1W, 1%, SMD 0603 [LRE030]
281	R8	Bottom	LRE030	Resistor, Ceramic Chip, 10K, 0.1W, 1%, SMD 0603 [LRE030]
282	R9	Top	LRE030	Resistor, Ceramic Chip, 10K, 0.1W, 1%, SMD 0603 [LRE030]
283	R10	Top	LRE027	Resistor, Ceramic Chip, 2.2K, 0.1W, 1%, SMD 0603 [LRE027]
284	R11	Top	LRE058	Resistor, Ceramic Chip, 4K7, 0.1W, 1%, SMD 0603 [LRE058]
285	R12	Top	LRE030	Resistor, Ceramic Chip, 10K, 0.1W, 1%, SMD 0603 [LRE030]
286	R13	Top	LRE037	Resistor, Ceramic Chip, 47R, 0.1W, 1%, SMD 0603 [LRE037]
287	R14	Top	LRE037	Resistor, Ceramic Chip, 47R, 0.1W, 1%, SMD 0603 [LRE037]
288	R15	Top	LRE037	Resistor, Ceramic Chip, 47R, 0.1W, 1%, SMD 0603 [LRE037]
289	R16	Bottom	LRE030	Resistor, Ceramic Chip, 10K, 0.1W, 1%, SMD 0603 [LRE030]
290	R17	Top	LRE030	Resistor, Ceramic Chip, 10K, 0.1W, 1%, SMD 0603 [LRE030]
291	R18	Top	LRE030	Resistor, Ceramic Chip, 10K, 0.1W, 1%, SMD 0603 [LRE030]
292	R19	Bottom	LRE030	Resistor, Ceramic Chip, 10K, 0.1W, 1%, SMD 0603 [LRE030]
293	R20	Bottom	LRE030	Resistor, Ceramic Chip, 10K, 0.1W, 1%, SMD 0603 [LRE030]
294	R21_OGA1	Top	LRE190	Resistor, Thick Film, 120R, 0.25W, 5%, SMD 0805 [LRE190]
295	R21_OGA2	Top	LRE190	Resistor, Thick Film, 120R, 0.25W, 5%, SMD 0805 [LRE190]
296	R21_OGA3	Top	LRE190	Resistor, Thick Film, 120R, 0.25W, 5%, SMD 0805 [LRE190]
297	R22_ML1	Top	LRE228	Resistor, Ceramic Chip, 162R, 0.33W, 1%, SMD 1210 [LRE228]
298	R22_ML2	Top	LRE228	Resistor, Ceramic Chip, 162R, 0.33W, 1%, SMD 1210 [LRE228]
299	R23	Top	LRE120	Resistor, Ceramic Chip, 30K, 0.1W, 1%, SMD 0603 [LRE120]
300	R24	Bottom	LRE030	Resistor, Ceramic Chip, 10K, 0.1W, 1%, SMD 0603 [LRE030]

301	R25	Top	LRE030	Resistor, Ceramic Chip, 10K, 0.1W, 1%, SMD 0603 [LRE030]
302	R26	Top	LRE120	Resistor, Ceramic Chip, 30K, 0.1W, 1%, SMD 0603 [LRE120]
303	R27	Top	LRE176	Resistor, Ceramic Chip, 18K, 0.1W, 1%, SMD 0603 [LRE176]
304	R28	Top	LRE120	Resistor, Ceramic Chip, 30K, 0.1W, 1%, SMD 0603 [LRE120]
305	R29	Top	LRE028	Resistor, Ceramic Chip, 5.6K, 0.1W, 1%, SMD 0603 [LRE028]
306	R30	Bottom	LRE030	Resistor, Ceramic Chip, 10K, 0.1W, 1%, SMD 0603 [LRE030]
307	R31	Top	LRE030	Resistor, Ceramic Chip, 10K, 0.1W, 1%, SMD 0603 [LRE030]
308	R32	Top	LRE030	Resistor, Ceramic Chip, 10K, 0.1W, 1%, SMD 0603 [LRE030]
309	R33	Bottom	LRE106	Resistor, Ceramic Chip, 1K0, 0.063W, 1%, SMD 0603 [LRE106]
310	R34	Bottom	LRE106	Resistor, Ceramic Chip, 1K0, 0.063W, 1%, SMD 0603 [LRE106]
311	R35	Top	LRE106	Resistor, Ceramic Chip, 1K0, 0.063W, 1%, SMD 0603 [LRE106]
312	R36	Bottom	LRE106	Resistor, Ceramic Chip, 1K0, 0.063W, 1%, SMD 0603 [LRE106]
313	R37	Bottom	LRE106	Resistor, Ceramic Chip, 1K0, 0.063W, 1%, SMD 0603 [LRE106]
314	R38	Bottom	LRE106	Resistor, Ceramic Chip, 1K0, 0.063W, 1%, SMD 0603 [LRE106]
315	R39_OGA1	Bottom	LRE027	Resistor, Ceramic Chip, 2.2K, 0.1W, 1%, SMD 0603 [LRE027]
316	R39_OGA2	Bottom	LRE027	Resistor, Ceramic Chip, 2.2K, 0.1W, 1%, SMD 0603 [LRE027]
317	R39_OGA3	Bottom	LRE027	Resistor, Ceramic Chip, 2.2K, 0.1W, 1%, SMD 0603 [LRE027]
318	R40	Bottom	LRE030	Resistor, Ceramic Chip, 10K, 0.1W, 1%, SMD 0603 [LRE030]
319	R41	Top	LRE027	Resistor, Ceramic Chip, 2.2K, 0.1W, 1%, SMD 0603 [LRE027]
320	R42	Top	LRE027	Resistor, Ceramic Chip, 2.2K, 0.1W, 1%, SMD 0603 [LRE027]
321	R43	Top	LRE027	Resistor, Ceramic Chip, 2.2K, 0.1W, 1%, SMD 0603 [LRE027]
322	R44	Top	LRE037	Resistor, Ceramic Chip, 47R, 0.1W, 1%, SMD 0603 [LRE037]
323	R45	Top	LRE142	Resistor, Array, 49.9R, 0.063W, 1%, SMD 0603 [LRE142]
324	R46	Top	LRE027	Resistor, Ceramic Chip, 2.2K, 0.1W, 1%, SMD 0603 [LRE027]
325	R47	Top	LRE147	Resistor, Ceramic Chip, 10K, 0.0625W, 1%, SMD 0402 [LRE147]
326	R48	Top	LRE027	Resistor, Ceramic Chip, 2.2K, 0.1W, 1%, SMD 0603 [LRE027]
327	R49	Bottom	LRE106	Resistor, Ceramic Chip, 1K0, 0.063W, 1%, SMD 0603 [LRE106]
328	R50	Top	LRE144	Resistor, Ceramic Chip, 4.75K, 0.0625W, 1%, SMD 0402 [LRE144]
329	R51	Top	LRE093	Resistor, Ceramic Chip, 49.9R, 0.0625W, 0.5%, SMD 0402 [LRE093]
330	R52	Top	LRE093	Resistor, Ceramic Chip, 49.9R, 0.0625W, 0.5%, SMD 0402 [LRE093]
331	R53	Top	LRE093	Resistor, Ceramic Chip, 49.9R, 0.0625W, 0.5%, SMD 0402 [LRE093]
332	R54	Top	LRE093	Resistor, Ceramic Chip, 49.9R, 0.0625W, 0.5%, SMD 0402 [LRE093]
333	R55	Bottom	LRE030	Resistor, Ceramic Chip, 10K, 0.1W, 1%, SMD 0603 [LRE030]
334	R56	Top	LRE037	Resistor, Ceramic Chip, 47R, 0.1W, 1%, SMD 0603 [LRE037]
335	R57	Bottom	LRE106	Resistor, Ceramic Chip, 1K0, 0.063W, 1%, SMD 0603 [LRE106]
336	R58	Bottom	LRE030	Resistor, Ceramic Chip, 10K, 0.1W, 1%, SMD 0603 [LRE030]
337	R59	Bottom	LRE030	Resistor, Ceramic Chip, 10K, 0.1W, 1%, SMD 0603 [LRE030]
338	R60	Bottom	LRE030	Resistor, Ceramic Chip, 10K, 0.1W, 1%, SMD 0603 [LRE030]
339	R61	Bottom	LRE030	Resistor, Ceramic Chip, 10K, 0.1W, 1%, SMD 0603 [LRE030]

340	R62_OGB1	Top	LRE190	Resistor, Thick Film, 120R, 0.25W, 5%, SMD 0805 [LRE190]
341	R62_OGB2	Top	LRE190	Resistor, Thick Film, 120R, 0.25W, 5%, SMD 0805 [LRE190]
342	R62_OGB3	Top	LRE190	Resistor, Thick Film, 120R, 0.25W, 5%, SMD 0805 [LRE190]
343	R63_OGB1	Bottom	LRE027	Resistor, Ceramic Chip, 2.2K, 0.1W, 1%, SMD 0603 [LRE027]
344	R63_OGB2	Bottom	LRE027	Resistor, Ceramic Chip, 2.2K, 0.1W, 1%, SMD 0603 [LRE027]
345	R63_OGB3	Bottom	LRE027	Resistor, Ceramic Chip, 2.2K, 0.1W, 1%, SMD 0603 [LRE027]
346	R64	Bottom	LRE030	Resistor, Ceramic Chip, 10K, 0.1W, 1%, SMD 0603 [LRE030]
347	R65	Bottom	LRE030	Resistor, Ceramic Chip, 10K, 0.1W, 1%, SMD 0603 [LRE030]
348	R67	Top	LRE027	Resistor, Ceramic Chip, 2.2K, 0.1W, 1%, SMD 0603 [LRE027]
349	R68	Top	LRE219	Resistor, Thick Film, 330R, 0.100W, 75V, 1%, SMD 0603 [LRE219]
350	R69	Top	LRE027	Resistor, Ceramic Chip, 2.2K, 0.1W, 1%, SMD 0603 [LRE027]
351	R70	Top	LRE027	Resistor, Ceramic Chip, 2.2K, 0.1W, 1%, SMD 0603 [LRE027]
352	R71	Top	LRE027	Resistor, Ceramic Chip, 2.2K, 0.1W, 1%, SMD 0603 [LRE027]
353	R72	Top	LRE219	Resistor, Thick Film, 330R, 0.100W, 75V, 1%, SMD 0603 [LRE219]
354	R73	Top	LRE027	Resistor, Ceramic Chip, 2.2K, 0.1W, 1%, SMD 0603 [LRE027]
355	R74	Top	LRE027	Resistor, Ceramic Chip, 2.2K, 0.1W, 1%, SMD 0603 [LRE027]
356	R75	Top	LRE027	Resistor, Ceramic Chip, 2.2K, 0.1W, 1%, SMD 0603 [LRE027]
357	R76	Top	LRE027	Resistor, Ceramic Chip, 2.2K, 0.1W, 1%, SMD 0603 [LRE027]
358	R77	Top	LRE219	Resistor, Thick Film, 330R, 0.100W, 75V, 1%, SMD 0603 [LRE219]
359	R78	Top	LRE030	Resistor, Ceramic Chip, 10K, 0.1W, 1%, SMD 0603 [LRE030]
360	R79_TH1	Top	LRE030	Resistor, Ceramic Chip, 10K, 0.1W, 1%, SMD 0603 [LRE030]
361	R79_TH2	Top	LRE030	Resistor, Ceramic Chip, 10K, 0.1W, 1%, SMD 0603 [LRE030]
362	R79_TH3	Top	LRE030	Resistor, Ceramic Chip, 10K, 0.1W, 1%, SMD 0603 [LRE030]
363	R79_TH4	Top	LRE030	Resistor, Ceramic Chip, 10K, 0.1W, 1%, SMD 0603 [LRE030]
364	R79_TH5	Top	LRE030	Resistor, Ceramic Chip, 10K, 0.1W, 1%, SMD 0603 [LRE030]
365	R79_TH6	Top	LRE030	Resistor, Ceramic Chip, 10K, 0.1W, 1%, SMD 0603 [LRE030]
366	R79_TH7	Top	LRE030	Resistor, Ceramic Chip, 10K, 0.1W, 1%, SMD 0603 [LRE030]
367	R79_TH8	Top	LRE030	Resistor, Ceramic Chip, 10K, 0.1W, 1%, SMD 0603 [LRE030]
368	R80_TH1	Top	LRE030	Resistor, Ceramic Chip, 10K, 0.1W, 1%, SMD 0603 [LRE030]
369	R80_TH2	Top	LRE030	Resistor, Ceramic Chip, 10K, 0.1W, 1%, SMD 0603 [LRE030]
370	R80_TH3	Top	LRE030	Resistor, Ceramic Chip, 10K, 0.1W, 1%, SMD 0603 [LRE030]
371	R80_TH4	Top	LRE030	Resistor, Ceramic Chip, 10K, 0.1W, 1%, SMD 0603 [LRE030]
372	R80_TH5	Top	LRE030	Resistor, Ceramic Chip, 10K, 0.1W, 1%, SMD 0603 [LRE030]
373	R80_TH6	Top	LRE030	Resistor, Ceramic Chip, 10K, 0.1W, 1%, SMD 0603 [LRE030]
374	R80_TH7	Top	LRE030	Resistor, Ceramic Chip, 10K, 0.1W, 1%, SMD 0603 [LRE030]
375	R80_TH8	Top	LRE030	Resistor, Ceramic Chip, 10K, 0.1W, 1%, SMD 0603 [LRE030]
376	R81_TH1	Top	LRE030	Resistor, Ceramic Chip, 10K, 0.1W, 1%, SMD 0603 [LRE030]
377	R81_TH2	Top	LRE030	Resistor, Ceramic Chip, 10K, 0.1W, 1%, SMD 0603 [LRE030]
378	R81_TH3	Top	LRE030	Resistor, Ceramic Chip, 10K, 0.1W, 1%, SMD 0603 [LRE030]

379	R81_TH4	Top	LRE030	Resistor, Ceramic Chip, 10K, 0.1W, 1%, SMD 0603 [LRE030]
380	R81_TH5	Top	LRE030	Resistor, Ceramic Chip, 10K, 0.1W, 1%, SMD 0603 [LRE030]
381	R81_TH6	Top	LRE030	Resistor, Ceramic Chip, 10K, 0.1W, 1%, SMD 0603 [LRE030]
382	R81_TH7	Top	LRE030	Resistor, Ceramic Chip, 10K, 0.1W, 1%, SMD 0603 [LRE030]
383	R81_TH8	Top	LRE030	Resistor, Ceramic Chip, 10K, 0.1W, 1%, SMD 0603 [LRE030]
384	R82_TH1	Top	LRE030	Resistor, Ceramic Chip, 10K, 0.1W, 1%, SMD 0603 [LRE030]
385	R82_TH2	Top	LRE030	Resistor, Ceramic Chip, 10K, 0.1W, 1%, SMD 0603 [LRE030]
386	R82_TH3	Top	LRE030	Resistor, Ceramic Chip, 10K, 0.1W, 1%, SMD 0603 [LRE030]
387	R82_TH4	Top	LRE030	Resistor, Ceramic Chip, 10K, 0.1W, 1%, SMD 0603 [LRE030]
388	R82_TH5	Top	LRE030	Resistor, Ceramic Chip, 10K, 0.1W, 1%, SMD 0603 [LRE030]
389	R82_TH6	Top	LRE030	Resistor, Ceramic Chip, 10K, 0.1W, 1%, SMD 0603 [LRE030]
390	R82_TH7	Top	LRE030	Resistor, Ceramic Chip, 10K, 0.1W, 1%, SMD 0603 [LRE030]
391	R82_TH8	Top	LRE030	Resistor, Ceramic Chip, 10K, 0.1W, 1%, SMD 0603 [LRE030]
392	R84	Bottom	LRE144	Resistor, Ceramic Chip, 4.75K, 0.0625W, 1%, SMD 0402 [LRE144]
393	R85	Bottom	LRE144	Resistor, Ceramic Chip, 4.75K, 0.0625W, 1%, SMD 0402 [LRE144]
394	R86_TH1	Top	LRE220	Resistor, Thick Film, 2.7K, 0.100W, 75V, 1%, SMD 0603 [LRE220]
395	R86_TH2	Top	LRE220	Resistor, Thick Film, 2.7K, 0.100W, 75V, 1%, SMD 0603 [LRE220]
396	R86_TH3	Top	LRE220	Resistor, Thick Film, 2.7K, 0.100W, 75V, 1%, SMD 0603 [LRE220]
397	R86_TH4	Top	LRE220	Resistor, Thick Film, 2.7K, 0.100W, 75V, 1%, SMD 0603 [LRE220]
398	R86_TH5	Top	LRE220	Resistor, Thick Film, 2.7K, 0.100W, 75V, 1%, SMD 0603 [LRE220]
399	R86_TH6	Top	LRE220	Resistor, Thick Film, 2.7K, 0.100W, 75V, 1%, SMD 0603 [LRE220]
400	R86_TH7	Top	LRE220	Resistor, Thick Film, 2.7K, 0.100W, 75V, 1%, SMD 0603 [LRE220]
401	R86_TH8	Top	LRE220	Resistor, Thick Film, 2.7K, 0.100W, 75V, 1%, SMD 0603 [LRE220]
402	R87_TH1	Top	LRE030	Resistor, Ceramic Chip, 10K, 0.1W, 1%, SMD 0603 [LRE030]
403	R87_TH2	Top	LRE030	Resistor, Ceramic Chip, 10K, 0.1W, 1%, SMD 0603 [LRE030]
404	R87_TH3	Top	LRE030	Resistor, Ceramic Chip, 10K, 0.1W, 1%, SMD 0603 [LRE030]
405	R87_TH4	Top	LRE030	Resistor, Ceramic Chip, 10K, 0.1W, 1%, SMD 0603 [LRE030]
406	R87_TH5	Top	LRE030	Resistor, Ceramic Chip, 10K, 0.1W, 1%, SMD 0603 [LRE030]
407	R87_TH6	Top	LRE030	Resistor, Ceramic Chip, 10K, 0.1W, 1%, SMD 0603 [LRE030]
408	R87_TH7	Top	LRE030	Resistor, Ceramic Chip, 10K, 0.1W, 1%, SMD 0603 [LRE030]
409	R87_TH8	Top	LRE030	Resistor, Ceramic Chip, 10K, 0.1W, 1%, SMD 0603 [LRE030]
410	R88_TH1	Top	LRE030	Resistor, Ceramic Chip, 10K, 0.1W, 1%, SMD 0603 [LRE030]
411	R88_TH2	Top	LRE030	Resistor, Ceramic Chip, 10K, 0.1W, 1%, SMD 0603 [LRE030]
412	R88_TH3	Top	LRE030	Resistor, Ceramic Chip, 10K, 0.1W, 1%, SMD 0603 [LRE030]
413	R88_TH4	Top	LRE030	Resistor, Ceramic Chip, 10K, 0.1W, 1%, SMD 0603 [LRE030]
414	R88_TH5	Top	LRE030	Resistor, Ceramic Chip, 10K, 0.1W, 1%, SMD 0603 [LRE030]
415	R88_TH6	Top	LRE030	Resistor, Ceramic Chip, 10K, 0.1W, 1%, SMD 0603 [LRE030]
416	R88_TH7	Top	LRE030	Resistor, Ceramic Chip, 10K, 0.1W, 1%, SMD 0603 [LRE030]
417	R88_TH8	Top	LRE030	Resistor, Ceramic Chip, 10K, 0.1W, 1%, SMD 0603 [LRE030]

418	R89	Top	LRE030	Resistor, Ceramic Chip, 10K, 0.1W, 1%, SMD 0603 [LRE030]
419	R91_ML1	Top	LRE167	Resistor, Ceramic Chip, 1.78K, 0.1W, 1%, SMD 0603 [LRE167]
420	R91_ML2	Top	LRE167	Resistor, Ceramic Chip, 1.78K, 0.1W, 1%, SMD 0603 [LRE167]
421	R92_ML1	Top	LRE140	Resistor, Ceramic Chip, 3.3K0, 0.1W, 1%, SMD 0603 [LRE140]
422	R92_ML2	Top	LRE140	Resistor, Ceramic Chip, 3.3K0, 0.1W, 1%, SMD 0603 [LRE140]
423	RLY2	Top	LSW007	Relay, DPDT, Non Latching, 12VDC Coil, 2A Rating, PTH
424	X1	Top	LIC110	Crystal, 10MHz, 18pF, SMD [LIC110]
Approved			Notes	