



**BUREAU
VERITAS**

LAB NO. : (6624)087-1033
DATE : April 15, 2024
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Photo of the Submitted Sample





TEST RESULT

Compliance Test - Heavy Metals, Flame Retardants Content - European Parliament and Council Directive 2011/65/EU on the Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment (RoHS) with its Amendments

Test Method : See Appendix.

See Analytes and their corresponding Maximum Allowable Limit in Appendix

			Result					
Parameter			Lead (Pb)	Cadmium (Cd)	Mercury (Hg)	Chromium VI (Cr VI)	PBBs & PBDEs	Conclusion
Unit			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	-
Test Item	Description	Location	-	-	-	-	-	-
1	Silvery metal		ND	ND	ND	ND	NA	PASS
2	Coppery metal with silvery plating		ND	ND	ND	ND	NA	PASS
3	Coppery metal		ND	ND	ND	ND	NA	PASS
4	Grey plastic		ND	ND	ND	ND	ND	PASS
5	Orange plastic		ND	ND	ND	ND	ND	PASS
6	Orange plastic		ND	ND	ND	ND	ND	PASS
7	Black plastic		ND	ND	ND	ND	ND	PASS
8	Black plastic		ND	ND	ND	ND	ND	PASS
9	Black plastic		ND	ND	ND	ND	ND	PASS
10	Black plastic		ND	ND	ND	ND	ND	PASS
11	Silvery metal spring		ND	ND	ND	Negative*	NA	PASS
12	Silvery metal		ND	ND	ND	Negative*	NA	PASS
13	Coppery metal with silvery plating		ND	ND	ND	ND	NA	PASS
14	Coppery metal with silvery plating		ND	ND	ND	ND	NA	PASS
15	Coppery metal with silvery plating		ND	ND	ND	ND	NA	PASS
16	Red plastic		ND	ND	ND	ND	ND	PASS
17	Transparent plastic		ND	ND	ND	ND	ND	PASS
18	Yellow plastic		ND	ND	ND	ND	ND	PASS
19	White plastic		ND	ND	ND	ND	ND	PASS
20	Silvery metal spring		ND	ND	ND	Negative*	NA	PASS
21	Grey plastic		ND	ND	ND	ND	ND	PASS
22	Black plastic		ND	ND	ND	ND	ND	PASS
23	Silvery metal		ND	ND	ND	ND	NA	PASS
24	Black plastic		ND	ND	ND	ND	ND	PASS
25	Grey plastic		ND	ND	ND	ND	ND	PASS
26	Golden metal with silvery plating		ND	ND	ND	ND	NA	PASS
27	Silvery metal spring		ND	ND	ND	Negative*	NA	PASS
28	Grey plastic		ND	ND	ND	ND	ND	PASS
29	Silvery metal screw		ND	ND	ND	ND	NA	PASS
30	Blue plastic		ND	ND	ND	ND	ND	PASS



-			Result					
Parameter			Lead (Pb)	Cadmium (Cd)	Mercury (Hg)	Chromium VI (Cr VI)	PBBs & PBDEs	Conclusion
Unit			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	-
Test Item	Description	Location	-	-	-	-	-	-
31	Red plastic		ND	ND	ND	ND	ND	PASS
32	Green plastic		ND	ND	ND	ND	ND	PASS
33	White plastic		ND	ND	ND	ND	ND	PASS
34	Silvery metal solder		ND	ND	ND	ND	NA	PASS
35	Silvery metal solder		ND	ND	ND	ND	NA	PASS
36	Copper metal with silvery plating		ND	ND	ND	ND	NA	PASS
37	Silvery metal		ND	ND	ND	Negative*	NA	PASS
38	Silvery metal screw with black plating	Housing	ND	ND	ND	ND	NA	PASS
39	Silvery metal		ND	ND	ND	ND	NA	PASS
40	Silvery metal		ND	ND	ND	Negative*	NA	PASS
41	Silvery metal		ND	ND	ND	ND	NA	PASS
42	Silvery metal solder		ND	ND	ND	ND	NA	PASS
43	Silvery metal solder		ND	ND	ND	ND	NA	PASS
44	Silvery metal		ND	ND	ND	ND	NA	PASS
45	Silvery metal solder		ND	ND	ND	ND	NA	PASS
46	Copper metal		ND	ND	ND	ND	NA	PASS
47	Golden metal		ND	ND	ND	ND	NA	PASS
48	Silvery metal solder		ND	ND	ND	ND	NA	PASS
49	Silvery metal solder		ND	ND	ND	ND	NA	PASS
50	Copper metal with silvery plating		ND	ND	ND	ND	NA	PASS
51	Golden metal with silvery plating		ND	ND	ND	ND	NA	PASS
52	Copper metal		ND	ND	ND	ND	NA	PASS
53	Copper metal		ND	ND	ND	ND	NA	PASS
54	Copper metal with silvery plating		ND	ND	ND	ND	NA	PASS
55	Silvery metal with black plating		ND	ND	ND	ND	NA	PASS
56	Silvery metal		ND	ND	ND	ND	NA	PASS
57	Silvery metal solder		ND	ND	ND	ND	NA	PASS
58	Silvery metal solder	ND	ND	ND	ND	NA	PASS	
59	Golden metal with silvery plating	Wire	ND	ND	ND	ND	NA	PASS
60	Silvery metal solder		ND	ND	ND	ND	NA	PASS
61	Silvery metal	Carte	ND	ND	ND	ND	NA	PASS
62	Copper metal with silvery plating		ND	ND	ND	ND	NA	PASS
63	Copper metal contact point with silvery plating		ND	ND	ND	ND	NA	PASS
64	Silvery metal		ND	ND	ND	ND	NA	PASS



Parameter			Result					Conclusion
			Lead (Pb)	Cadmium (Cd)	Mercury (Hg)	Chromium VI (Cr VI)	PBBs & PBDEs	
Unit			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	-
Test Item	Description	Location	-	-	-	-	-	-
65	Silvery metal solder		ND	ND	ND	ND	NA	PASS
66	Silvery metal solder		ND	ND	ND	ND	NA	PASS
67	Coppery metal contact point with silvery plating		ND	ND	ND	ND	NA	PASS
68	Golden metal with silvery plating		ND	ND	ND	ND	NA	PASS
69	Silvery metal solder		ND	ND	ND	ND	NA	PASS
70	Silvery metal solder		ND	ND	ND	ND	NA	PASS
71	Silvery metal solder		ND	ND	ND	ND	NA	PASS
72	Coppery metal with silvery plating		ND	ND	ND	ND	NA	PASS
73	Golden metal with silvery plating		ND	ND	ND	ND	NA	PASS
74	Silvery metal with red plating		ND	ND	ND	ND	NA	PASS
75	Golden metal with silvery plating		ND	ND	ND	ND	NA	PASS
76	Silvery metal solder		ND	ND	ND	ND	NA	PASS
77	Coppery metal		ND	ND	ND	ND	NA	PASS
78	Silvery metal solder		ND	ND	ND	ND	NA	PASS
79	Silvery metal solder		ND	ND	ND	ND	NA	PASS
80	Silvery metal		ND	ND	ND	ND	NA	PASS
81	Coppery metal		ND	ND	ND	ND	NA	PASS
82	Silvery metal		ND	ND	ND	ND	NA	PASS
83	Coppery metal contact point with silvery plating		ND	ND	ND	ND	NA	PASS
84	Silvery metal solder		ND	ND	ND	ND	NA	PASS
85	Golden metal		ND	ND	ND	ND	NA	PASS
86	Silvery metal solder		ND	ND	ND	ND	NA	PASS
87	Silvery metal solder		ND	ND	ND	ND	NA	PASS
88	Silvery metal solder		ND	ND	ND	ND	NA	PASS
89	Silvery metal		ND	ND	ND	ND	NA	PASS
90	Silvery metal solder		ND	ND	ND	ND	NA	PASS
91	Silvery metal solder		ND	ND	ND	ND	NA	PASS
92	Silvery metal screw with black plating		ND	ND	ND	ND	NA	PASS
93	Silvery metal with black plating		ND	ND	ND	ND	NA	PASS
94	Silvery metal with black plating		ND	ND	ND	ND	NA	PASS
95	Silvery metal spring with black plating		ND	ND	ND	ND	NA	PASS



-			Result					
Parameter			Lead (Pb)	Cadmium (Cd)	Mercury (Hg)	Chromium VI (Cr VI)	PBBs & PBDEs	Conclusion
Unit			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	-
Test Item	Description	Location	-	-	-	-	-	-
96	Silvery metal with black plating	Carte	ND	ND	ND	ND	NA	PASS
97	Silvery metal solder		ND	ND	ND	ND	NA	PASS
98	Coppery metal contact point with silvery plating		ND	ND	ND	ND	NA	PASS
99	Silvery metal solder		ND	ND	ND	ND	NA	PASS
100	Silvery metal solder		ND	ND	ND	ND	NA	PASS
101	Silvery metal solder		ND	ND	ND	ND	NA	PASS
102	Coppery metal		ND	ND	ND	ND	NA	PASS
103	Silvery metal		ND	ND	ND	ND	NA	PASS
104	Silvery metal with colorful plating		ND	ND	ND	Negative*	NA	PASS
105	Silvery metal		ND	ND	ND	Negative*	NA	PASS
106	Silvery metal solder		ND	ND	ND	ND	NA	PASS
107	Silvery metal solder		ND	ND	ND	ND	NA	PASS
108	Coppery metal contact point with silvery plating		ND	ND	ND	ND	NA	PASS
109	Silvery metal solder		ND	ND	ND	ND	NA	PASS
110	Silvery metal solder		ND	ND	ND	ND	NA	PASS
111	Silvery metal solder		ND	ND	ND	ND	NA	PASS
112	Silvery metal		ND	ND	ND	ND	NA	PASS
113	Coppery metal contact point with silvery plating		ND	ND	ND	ND	NA	PASS
114	Silvery metal solder		ND	ND	ND	ND	NA	PASS
115	Silvery metal solder		ND	ND	ND	ND	NA	PASS
116	Coppery metal contact point with silvery plating		ND	ND	ND	ND	NA	PASS
117	Silvery metal solder		ND	ND	ND	ND	NA	PASS
118	Silvery metal solder		ND	ND	ND	ND	NA	PASS
119	Silvery metal solder		ND	ND	ND	ND	NA	PASS
120	Silvery metal solder		ND	ND	ND	ND	NA	PASS
121	Silvery metal		ND	ND	ND	ND	NA	PASS
122	Silvery metal solder		ND	ND	ND	ND	NA	PASS
123	Silvery metal solder		ND	ND	ND	ND	NA	PASS
124	Silvery metal solder		ND	ND	ND	ND	NA	PASS
125	Silvery metal solder		ND	ND	ND	ND	NA	PASS
126	Silvery metal solder	ND	ND	ND	ND	NA	PASS	
127	Golden metal	ND	ND	ND	ND	NA	PASS	
128	Silvery metal	ND	ND	ND	ND	NA	PASS	
129	Silvery metal solder	ND	ND	ND	ND	NA	PASS	
130	Coppery metal	ND	ND	ND	ND	NA	PASS	



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			Result					
Parameter			Lead (Pb)	Cadmium (Cd)	Mercury (Hg)	Chromium VI (Cr VI)	PBBs & PBDEs	Conclusion
Unit			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	-
Test Item	Description	Location	-	-	-	-	-	-
131	Silvery metal solder		ND	ND	ND	ND	NA	PASS
132	Grey plastic		ND	ND	ND	ND	ND*	PASS
133	Black plastic		ND	ND	ND	ND	ND	PASS
134	Grey plastic		ND	ND	ND	ND	ND	PASS
135	Beige plastic		ND	ND	ND	ND	ND	PASS
136	Red plastic		ND	ND	ND	ND	ND	PASS
137	Black plastic		ND	ND	ND	ND	ND	PASS
138	Orange plastic		ND	ND	ND	ND	ND	PASS
139	Grey plastic		ND	ND	ND	ND	ND	PASS
140	Green plastic		ND	ND	ND	ND	ND	PASS
141	Brown plastic		ND	ND	ND	ND	ND	PASS
142	White fabric		ND	ND	ND	ND	ND	PASS
143	Black plastic		ND	ND	ND	ND	ND*	PASS
144	Black plastic		ND	ND	ND	ND	ND	PASS
145	Grey plastic		ND	ND	ND	ND	ND	PASS
146	Black plastic		ND	ND	ND	ND	ND	PASS
147	Red plastic		ND	ND	ND	ND	ND	PASS
148	Black plastic		ND	ND	ND	ND	ND*	PASS
149	Silvery metal		ND	ND	ND	ND	NA	PASS
150	Silvery metal solder		ND	ND	ND	ND	NA	PASS
151	Black plastic		ND	ND	ND	ND	ND*	PASS
152	Silvery metal solder		ND	ND	ND	ND	NA	PASS
153	White glue		ND	ND	ND	ND	ND	PASS
154	Black plastic		ND	ND	ND	ND	<100*	PASS
155	White plastic		ND	ND	ND	ND	ND	PASS
156	Silvery metal solder		ND	ND	ND	ND	NA	PASS
157	Beige plastic		ND	ND	ND	ND	<100*	PASS
158	Silvery metal		ND	ND	ND	ND	NA	PASS
159	Silvery metal solder		ND	ND	ND	ND	NA	PASS
160	Silvery metal solder		ND	ND	ND	ND	NA	PASS
161	Silvery metal solder		ND	ND	ND	ND	NA	PASS
162	Silvery metal solder		ND	ND	ND	ND	NA	PASS
163	Translucent plastic		ND	ND	ND	ND	ND	PASS
164	Black plastic		ND	ND	ND	ND	<100*	PASS
165	White plastic		ND	ND	ND	ND	ND	PASS
166	Silvery metal solder		ND	ND	ND	ND	NA	PASS
167	Silvery metal solder		ND	ND	ND	ND	NA	PASS
168	Black plastic		ND	ND	ND	ND	<100*	PASS
169	Coppery metal contact point with silvery plating		ND	ND	ND	ND	NA	PASS
170	White fabric with white glue		ND	ND	ND	ND	ND	PASS
171	Black glue		ND	ND	ND	ND	ND	PASS
172	Beige plastic		ND	ND	ND	ND	ND*	PASS



-			Result						
Parameter			Lead (Pb)	Cadmium (Cd)	Mercury (Hg)	Chromium VI (Cr VI)	PBBs & PBDEs	Conclusion	
Unit			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	-	
Test Item	Description	Location	-	-	-	-	-	-	
173	Silvery metal solder		ND	ND	ND	ND	NA	PASS	
174	Silvery metal solder		ND	ND	ND	ND	NA	PASS	
175	White plastic		ND	ND	ND	ND	ND*	PASS	
176	Transparent glue		ND	ND	ND	ND	ND	PASS	
177	Silvery metal solder		ND	ND	ND	ND	NA	PASS	
178	Black glue		ND	ND	ND	ND	ND	PASS	
179	Blue plastic		ND	ND	ND	ND	ND*	PASS	
180	Silvery metal solder		Carte	ND	ND	ND	ND	NA	PASS
181	Black plastic			ND	ND	ND	ND	ND	PASS
182	Black plastic	ND		ND	ND	ND	ND	PASS	
183	Silvery metal	ND		ND	ND	ND	NA	PASS	
184	Brown paper	ND		ND	ND	ND	ND	PASS	
185	Silvery metal solder	ND		ND	ND	ND	NA	PASS	
186	Silvery metal solder	ND		ND	ND	ND	NA	PASS	
187	Silvery metal solder	ND		ND	ND	ND	NA	PASS	
188	Green plastic	ND		ND	ND	ND	ND*	PASS	
189	Black plastic	ND		ND	ND	ND	ND	PASS	
190	Silvery metal solder	ND		ND	ND	ND	NA	PASS	
191	Silvery metal solder	ND		ND	ND	ND	NA	PASS	
192	Silvery metal solder	ND		ND	ND	ND	NA	PASS	
193	White plastic	ND		ND	ND	ND	ND*	PASS	
194	Silvery metal solder	ND		ND	ND	ND	NA	PASS	
195	Silvery metal solder	ND	ND	ND	ND	NA	PASS		
196	Silvery metal solder	ND	ND	ND	ND	NA	PASS		
197	Silvery metal	ND	ND	ND	ND	NA	PASS		
198	Silvery metal solder	ND	ND	ND	ND	NA	PASS		
199	Silvery metal solder	ND	ND	ND	ND	NA	PASS		
200	Silvery metal solder	ND	ND	ND	ND	NA	PASS		
201	Silvery metal solder	ND	ND	ND	ND	NA	PASS		
202	Silvery metal solder	ND	ND	ND	ND	NA	PASS		
203	Silvery metal solder	ND	ND	ND	ND	NA	PASS		
204	Coppery metal contact point with silvery plating	Carte	ND	ND	ND	ND	NA	PASS	
205	Silvery metal solder		ND	ND	ND	ND	NA	PASS	
206	Silvery metal solder		ND	ND	ND	ND	NA	PASS	
207	Coppery metal contact point with silvery plating		ND	ND	ND	ND	NA	PASS	
208	Silvery metal solder		ND	ND	ND	ND	NA	PASS	
209	Silvery metal solder		ND	ND	ND	ND	NA	PASS	
210	Silvery metal solder		ND	ND	ND	ND	NA	PASS	
211	Silvery metal solder		ND	ND	ND	ND	NA	PASS	
212	Silvery metal solder		ND	ND	ND	ND	NA	PASS	
213	Black plastic		ND	ND	ND	ND	ND*	PASS	



			Result					
Parameter			Lead (Pb)	Cadmium (Cd)	Mercury (Hg)	Chromium VI (Cr VI)	PBBs & PBDEs	Conclusion
Unit			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	-
Test Item	Description	Location	-	-	-	-	-	-
214	Black plastic		ND	ND	ND	ND	ND	PASS
215	Silvery metal solder		ND	ND	ND	ND	NA	PASS
216	Silvery metal solder		ND	ND	ND	ND	NA	PASS
217	Orange plastic		ND	ND	ND	ND	ND*	PASS
218	Orange plastic		ND	ND	ND	ND	ND*	PASS
219	Silvery metal solder		ND	ND	ND	ND	NA	PASS
220	Coppery metal contact point with silvery plating		ND	ND	ND	ND	NA	PASS
221	Pink glue		ND	ND	ND	ND	ND	PASS
222	Silvery metal solder		ND	ND	ND	ND	NA	PASS
223	Silvery metal solder		ND	ND	ND	ND	NA	PASS
224	Silvery metal solder		ND	ND	ND	ND	NA	PASS
225	Silvery metal solder		ND	ND	ND	ND	NA	PASS
226	Coppery metal contact point with silvery plating		ND	ND	ND	ND	NA	PASS
227	Silvery metal solder		ND	ND	ND	ND	NA	PASS
228	Black plastic		ND	ND	ND	ND	ND*	PASS
229	Blue plastic		ND	ND	ND	ND	ND	PASS
230	Black plastic		ND	ND	ND	ND	ND	PASS
231	Black plastic		ND	ND	ND	ND	ND	PASS
232	Grey plastic		ND	ND	ND	ND	ND*	PASS
233	Green plastic		ND	ND	ND	ND	ND	PASS
234	Silvery metal solder		ND	ND	ND	ND	NA	PASS
235	Yellow plastic		ND	ND	ND	ND	ND	PASS
236	Brown plastic		ND	ND	ND	ND	ND	PASS
237	Black plastic		ND	ND	ND	ND	ND	PASS
238	Yellow and red plastic wire jacket		ND	ND	ND	ND	ND	PASS
239	Yellow and black plastic wire jacket		ND	ND	ND	ND	ND	PASS
240	Yellow and white plastic wire jacket		ND	ND	ND	ND	ND	PASS
241	Green and white plastic wire jacket		ND	ND	ND	ND	ND	PASS
242	Green and yellow plastic wire jacket		ND	ND	ND	ND	ND	PASS
243	Green plastic wire jacket		ND	ND	ND	ND	ND	PASS
244	Red plastic wire jacket		ND	ND	ND	ND	ND	PASS
245	Red and white plastic wire jacket		ND	ND	ND	ND	ND	PASS
246	White plastic wire jacket		ND	ND	ND	ND	ND	PASS



Parameter			Result					Conclusion
			Lead (Pb)	Cadmium (Cd)	Mercury (Hg)	Chromium VI (Cr VI)	PBBs & PBDEs	
Unit			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	-
Test Item	Description	Location	-	-	-	-	-	-
247	Grey plastic wire jacket		ND	ND	ND	ND	ND	PASS
248	Black plastic wire jacket		ND	ND	ND	ND	ND	PASS
249	Black and white plastic wire jacket		ND	ND	ND	ND	ND	PASS
250	Pink plastic wire jacket		ND	ND	ND	ND	ND	PASS
251	Orange plastic wire jacket		ND	ND	ND	ND	ND	PASS
252	Purple plastic wire jacket		ND	ND	ND	ND	ND	PASS
253	Blue plastic wire jacket		ND	ND	ND	ND	ND	PASS
254	Blue and white plastic wire jacket		ND	ND	ND	ND	ND	PASS
255	Black glue		ND	ND	ND	ND	ND	PASS
256	Black plastic		ND	ND	ND	ND	ND	PASS
257	Grey plastic		ND	ND	ND	ND	ND	PASS
258	Black plastic		ND	ND	ND	ND	ND	PASS
259	Grey plastic		ND	ND	ND	ND	ND	PASS
260	Copper metal contact point with silvery plating		ND	ND	ND	ND	NA	PASS
261	Beige glue		ND	ND	ND	ND	ND	PASS
262	Silvery metal solder		ND	ND	ND	ND	NA	PASS
263	Black plastic		ND	ND	ND	ND	ND	PASS
264	Silvery metal solder		ND	ND	ND	ND	NA	PASS
265	Black plastic		ND	ND	ND	ND	ND	PASS
266	Silvery metal solder	ND	ND	ND	ND	NA	PASS	
267	Black plastic	ND	ND	ND	ND	ND	PASS	
268	Silvery metal solder	ND	ND	ND	ND	NA	PASS	
269	White plastic wire jacket	ND	ND	ND	ND	ND	PASS	
270	White plastic wire jacket	ND	ND	ND	ND	ND	PASS	
271	Copper metal contact point with golden plating	ND	ND	ND	ND	NA	PASS	
272	Blue plastic	ND	ND	ND	ND	ND	PASS	
273	Transparent plastic	ND	ND	ND	ND	ND	PASS	
274	Red plastic	ND	ND	ND	ND	ND	PASS	
275	Blue plastic	ND	ND	ND	ND	ND	PASS	
276	Copper metal	ND	ND	ND	ND	NA	PASS	
277	Silvery metal	ND	ND	ND	ND	NA	PASS	
278	Yellow plastic	ND	ND	ND	ND	ND	PASS	
279	Blue plastic	ND	ND	ND	ND	ND	PASS	
280	Green plastic	ND	ND	ND	ND	ND	PASS	



			Result					
Parameter			Lead (Pb)	Cadmium (Cd)	Mercury (Hg)	Chromium VI (Cr VI)	PBBs & PBDEs	Conclusion
Unit			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	-
Test Item	Description	Location	-	-	-	-	-	-
281	White plastic		ND	ND	ND	ND	ND	PASS
282	White plastic		ND	ND	ND	ND	ND	PASS
283	Transparent plastic		ND	ND	ND	ND	ND	PASS
284	Black plastic		ND	ND	ND	ND	ND	PASS
285	Black plastic wire jacket	Carte	ND	ND	ND	ND	ND	PASS
286	Red plastic wire jacket		ND	ND	ND	ND	ND	PASS
287	Brown plastic wire jacket		ND	ND	ND	ND	ND	PASS
288	White plastic wire jacket		ND	ND	ND	ND	ND	PASS
289	Black plastic wire jacket	Carte	ND	ND	ND	ND	ND	PASS
290	Blue plastic wire jacket		ND	ND	ND	ND	ND	PASS
291	Green plastic wire jacket		ND	ND	ND	ND	ND	PASS
292	Yellow plastic wire jacket		ND	ND	ND	ND	ND	PASS
293	Orange plastic wire jacket		ND	ND	ND	ND	ND	PASS
294	Red plastic wire jacket		ND	ND	ND	ND	ND	PASS
295	Blue plastic		ND	ND	ND	ND	ND	PASS
296	Brown plastic wire jacket		ND	ND	ND	ND	ND	PASS
297	Blue plastic wire jacket		ND	ND	ND	ND	ND	PASS
298	Green and yellow plastic wire jacket		ND	ND	ND	ND	ND	PASS
299	Silvery metal solder	Housing	ND	ND	ND	ND	NA	PASS
300	Silvery metal solder		ND	ND	ND	ND	NA	PASS
301	Silvery metal solder		ND	ND	ND	ND	NA	PASS
302	Yellow coating		ND	ND	ND	ND	ND	PASS
303	Green coating		ND	ND	ND	ND	ND	PASS



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Note / Key :

ND = Not detected	">" = Greater than	"<" = Less than
NR = Not requested	mg/kg = milligram(s) per kilogram = ppm = part(s) per million	
Detection Limit: See Appendix.	NA = Not applicable	EX= Exempted

Remark :

- The testing approach is listed in table of Appendix.
- * denotes as reported result(s) was (were) performed by wet chemistry method. Others were screened by XRF. For XRF screening, the result(s) of Cr VI was (were) reported as total chromium and the result(s) of PBBs and PBDEs was (were) reported as total bromine. Also, the XRF result(s) may be different to the actual content based on various factors including, but not limit to, sample size, thickness, area, non-uniformity composition, surface flatness.
- Only selected example(s) is (are) indicated on the photograph(s) in Comment.
- According to European Parliament and Council Directive 2011/65/EU, Article 5 "Adaptation of the Annexes to scientific and technical progress", exemption(s) should be granted to the materials and components of Test Item(s) in the lists in Annexes III and IV of this directive.



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TEST RESULT

Compliance Test - Phthalate Test – (EU) 2015/863 amending Annex II to Directive 2011/65/EU

Test Method : Reference to IEC 62321-8: 2017.

Maximum Allowable Limit : 0.1% (Each)

Parameter	CAS No.	Unit	MDL	Result	
				238+239+240+241+ 242+243+244+245+ 246+247+248+249+ 250+251+252+253+ 254+257+258+259	269+270+272+273+ 274+275+278+279+ 280+281+282+283+ 284+285+286+287+ 288+289+290+291
Dibutyl phthalate (DBP)	84-74-2	%	0.005	ND	ND
Butyl benzyl phthalate (BBP)	85-68-7	%	0.005	ND	ND
Di-2-ethylhexyl phthalate (DEHP)	117-81-7	%	0.005	ND	ND
Diisobutyl phthalate (DIBP)	84-69-5	%	0.005	ND	ND
Conclusion	-	-	-	PASS	PASS

Parameter	CAS No.	Unit	MDL	Result	
				292+293+294+295+ 296+297+298	4+5+6+7+8+9+10+16 +17+18+19+21+22+ 24+25+28+30+31+32 +33
Dibutyl phthalate (DBP)	84-74-2	%	0.005	ND	ND
Butyl benzyl phthalate (BBP)	85-68-7	%	0.005	ND	ND
Di-2-ethylhexyl phthalate (DEHP)	117-81-7	%	0.005	ND	ND
Diisobutyl phthalate (DIBP)	84-69-5	%	0.005	ND	ND
Conclusion	-	-	-	PASS	PASS

Parameter	CAS No.	Unit	MDL	Result	
				132+133+134+135+ 136+137+138+139+ 140+141+142+143+ 144+145+146+147+ 148+151+153	154+155+157+163+ 164+165+168+170+ 171+172+175+176+ 178+179+181+182+ 184+188+189+193
Dibutyl phthalate (DBP)	84-74-2	%	0.005	ND	ND
Butyl benzyl phthalate (BBP)	85-68-7	%	0.005	ND	ND
Di-2-ethylhexyl phthalate (DEHP)	117-81-7	%	0.005	ND	ND
Diisobutyl phthalate (DIBP)	84-69-5	%	0.005	ND	ND
Conclusion	-	-	-	PASS	PASS



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Parameter	CAS No.	Unit	MDL	Result	
				213+214+217+218+ 221+228+229+230+ 231+232+233+235+ 236+237+255+256+ 261+263+265+267	302+303
Dibutyl phthalate (DBP)	84-74-2	%	0.005	ND	ND
Butyl benzyl phthalate (BBP)	85-68-7	%	0.005	ND	ND
Di-2-ethylhexyl phthalate (DEHP)	117-81-7	%	0.005	ND	ND
Diisobutyl phthalate (DIBP)	84-69-5	%	0.005	ND	ND
Conclusion	-	-	-	PASS	PASS

Note: mg/kg= milligram per kilogram % = percentage 1 mg/kg = 0.0001%
MDL = Method Detection Limit ND = Not Detected (< MDL) “-“ = Not Regulated



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Comment :

Photograph(s) [Compliance Test for European Parliament and Council Directive 2011/65/EU] :
Photograph depicting Test Item(s)





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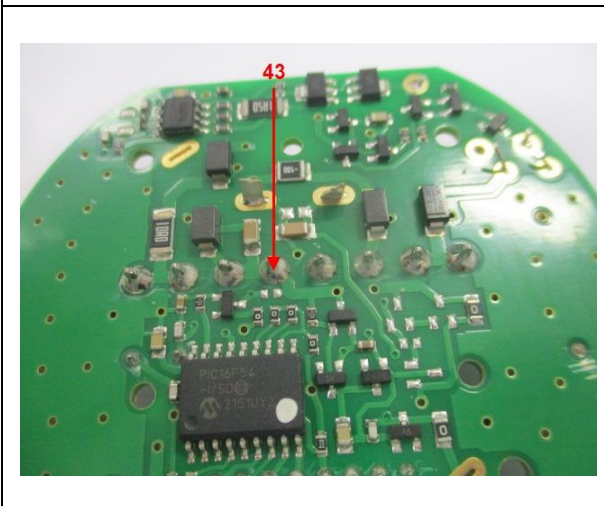
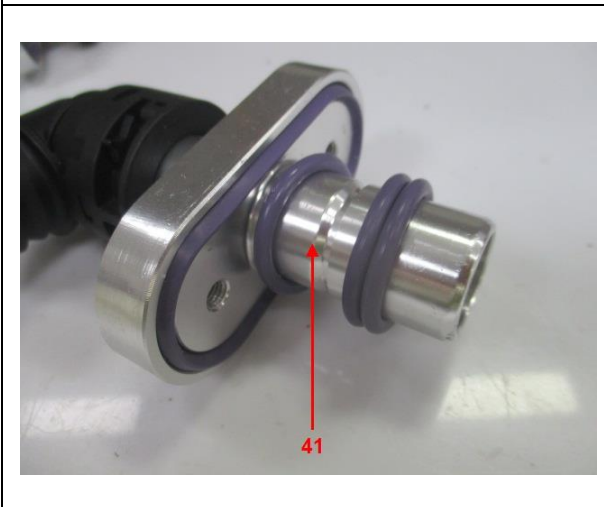
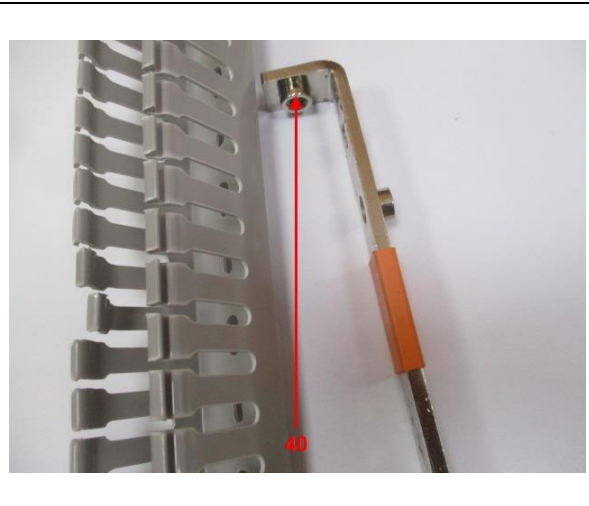
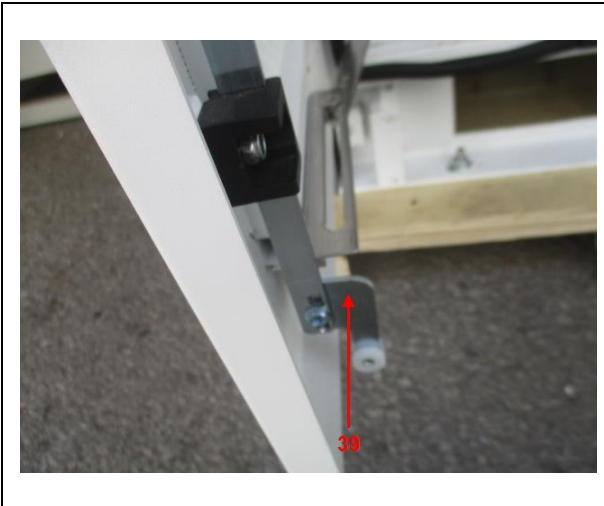
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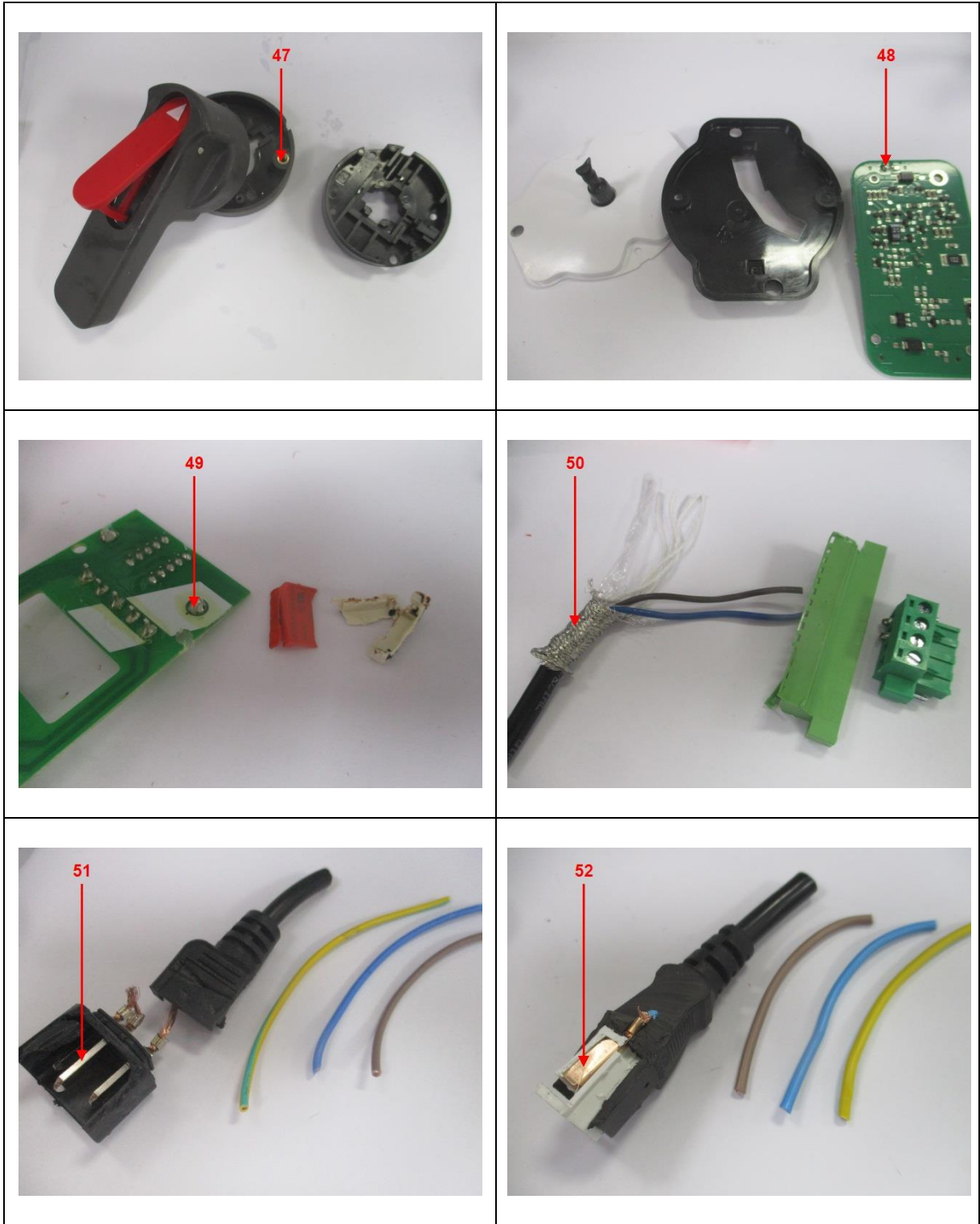
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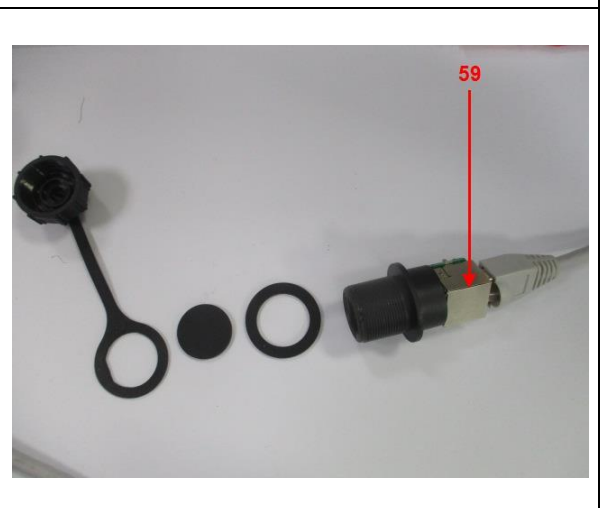
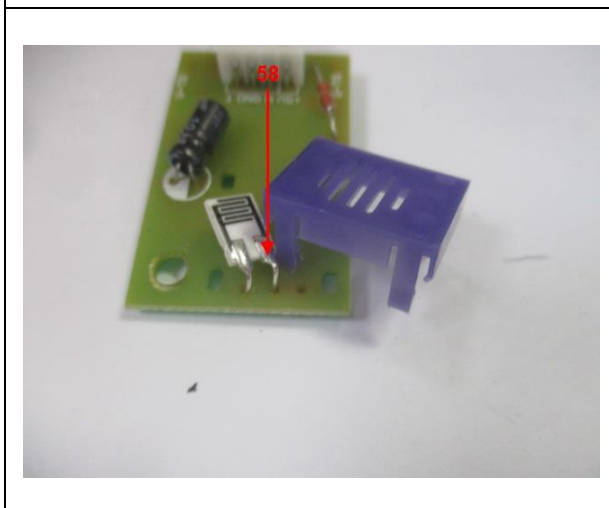
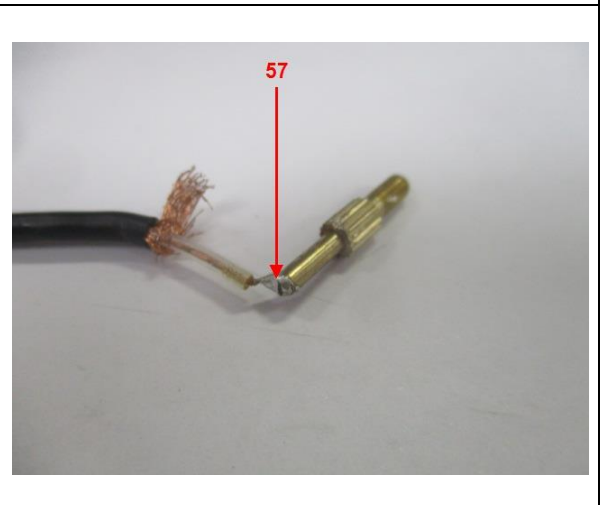
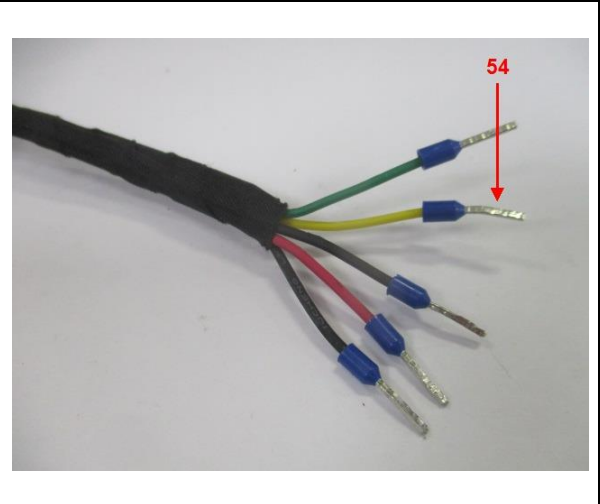
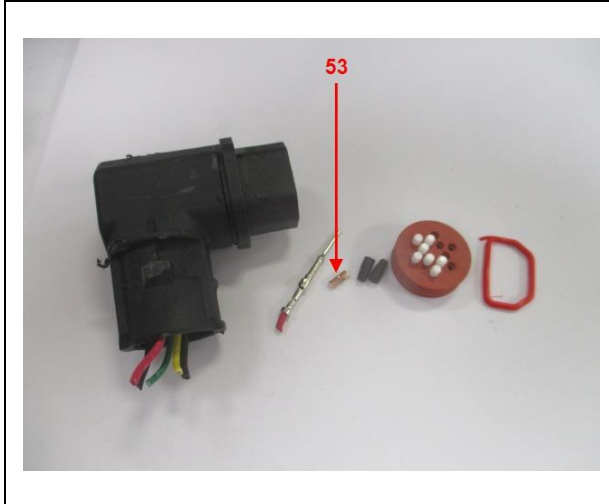
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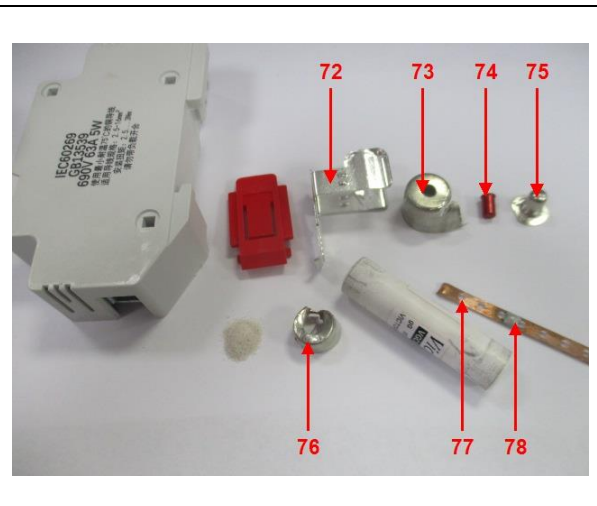
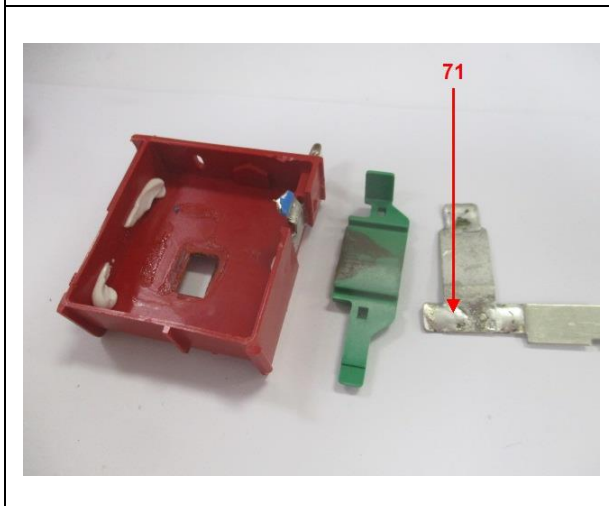
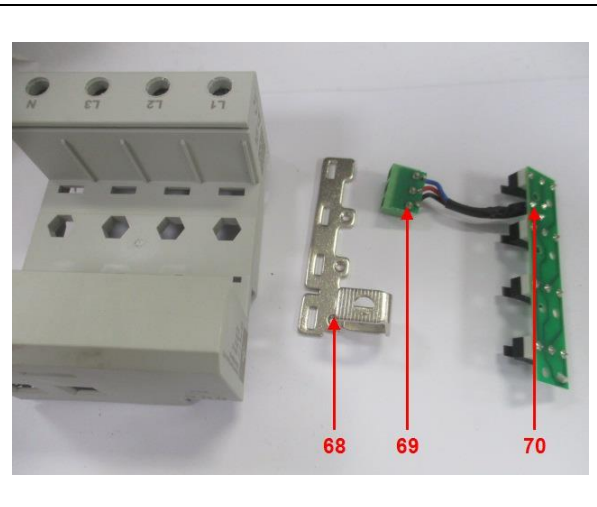
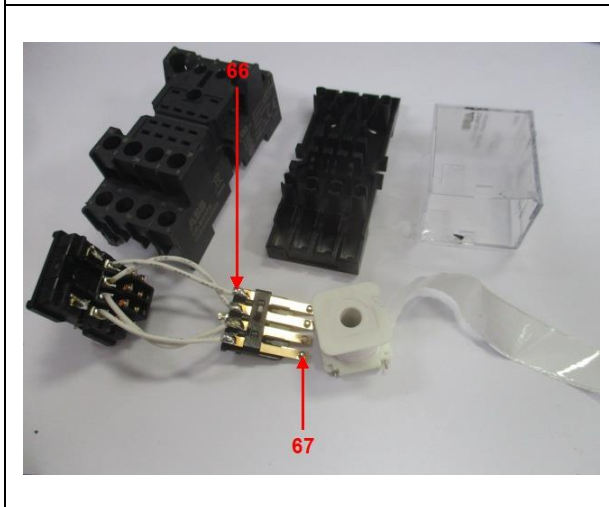
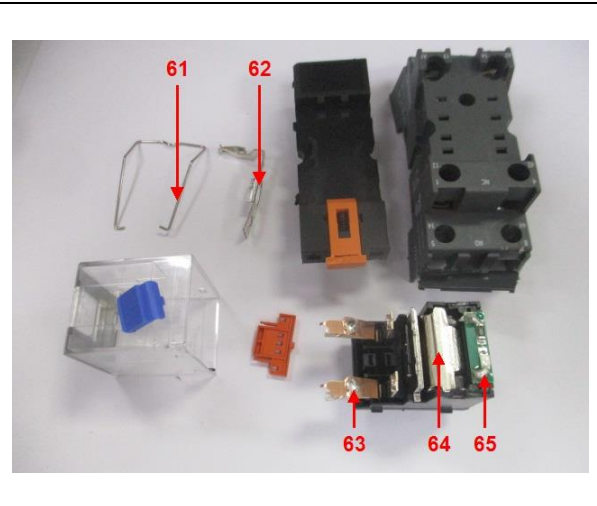
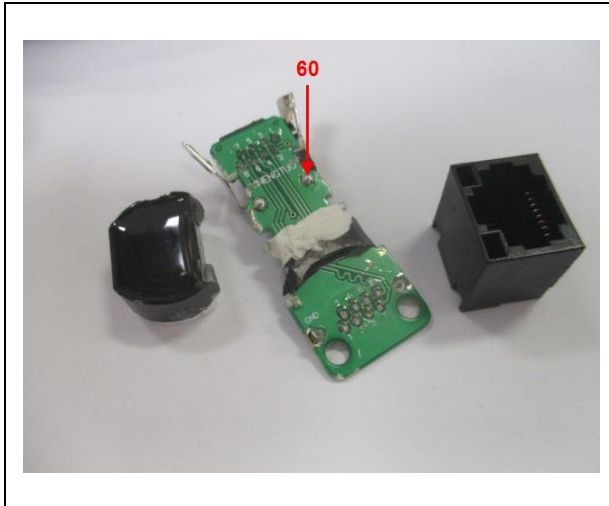
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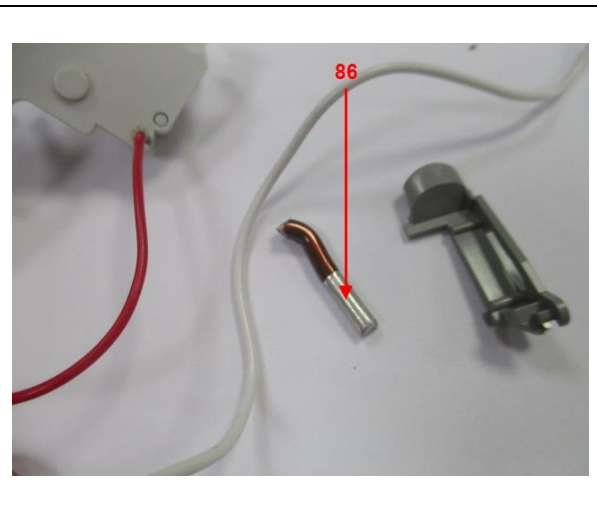
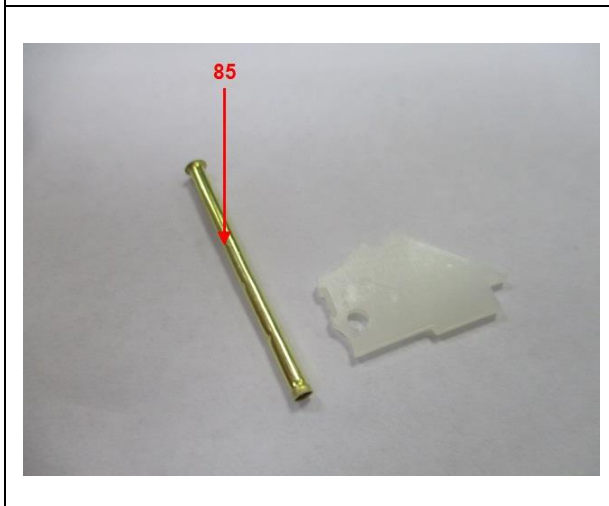
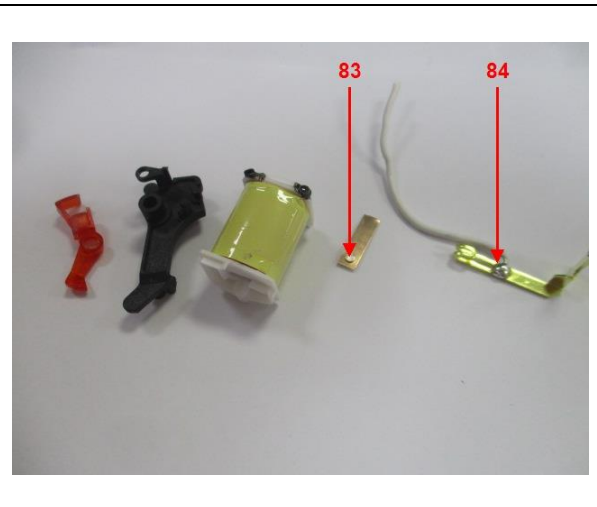
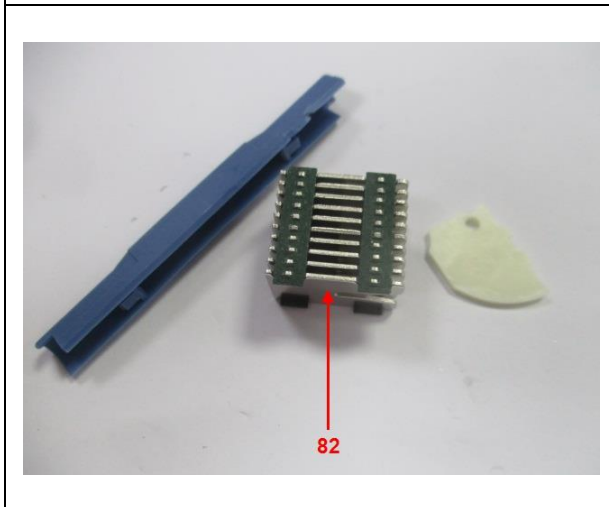
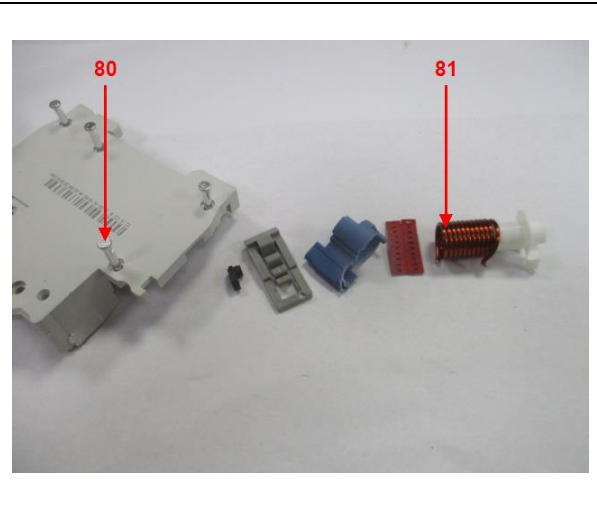
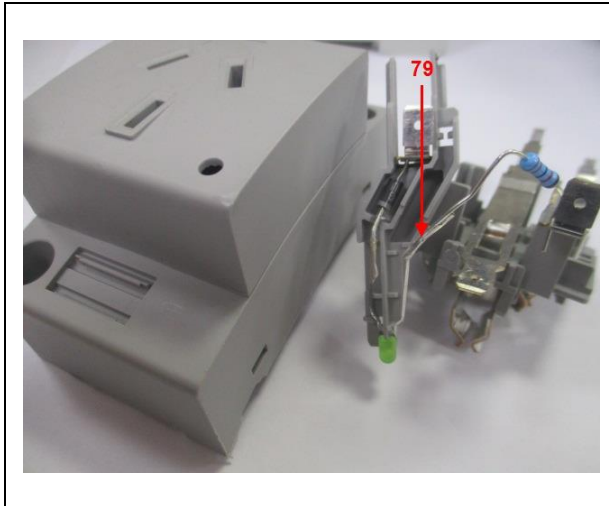
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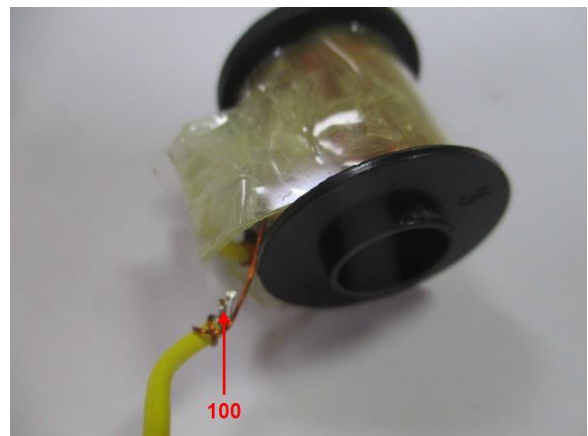
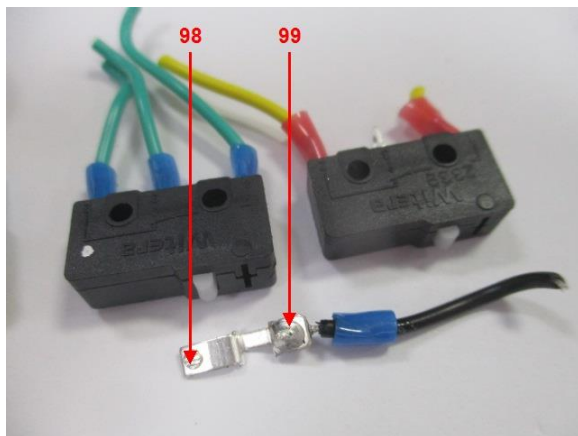
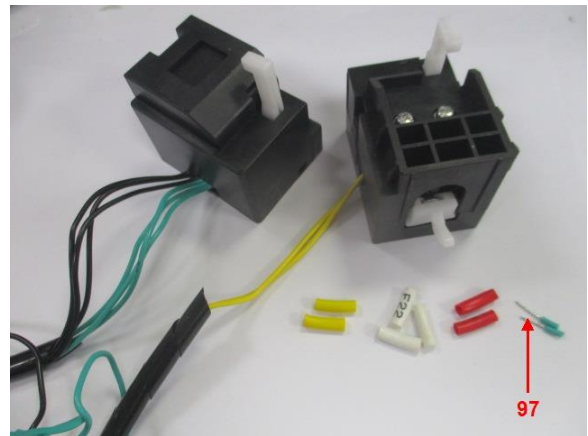
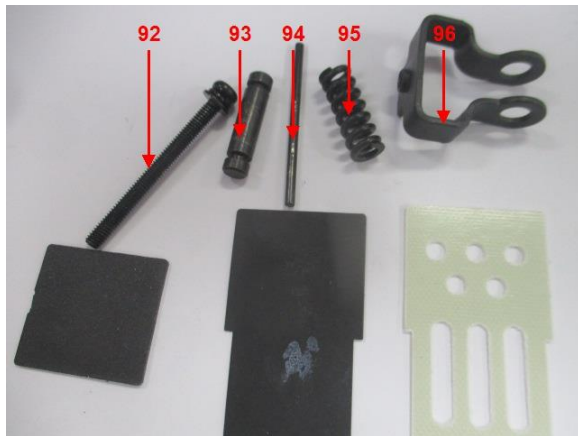
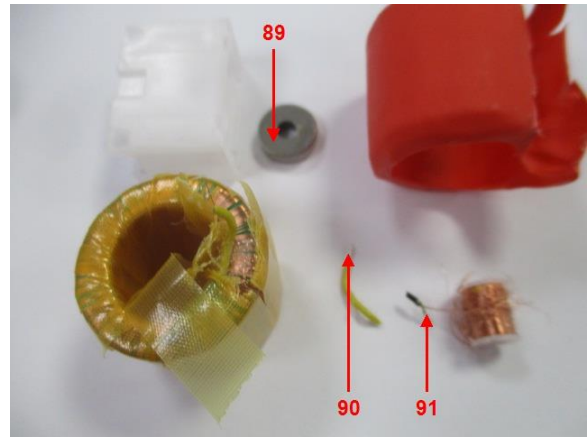
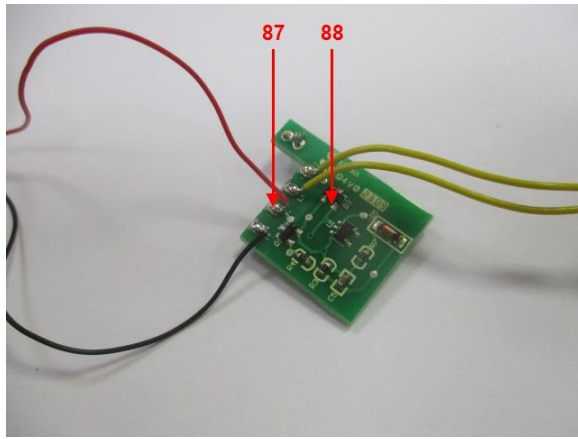
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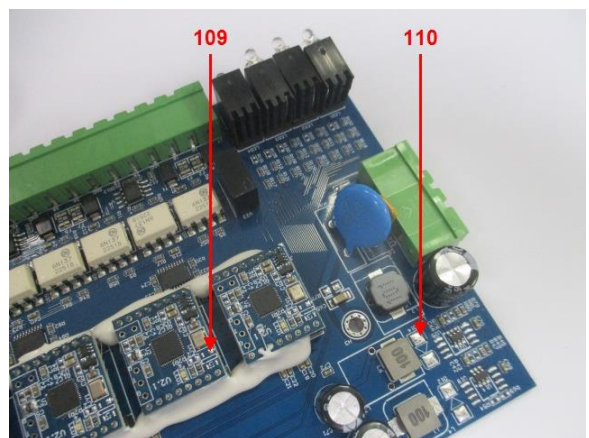
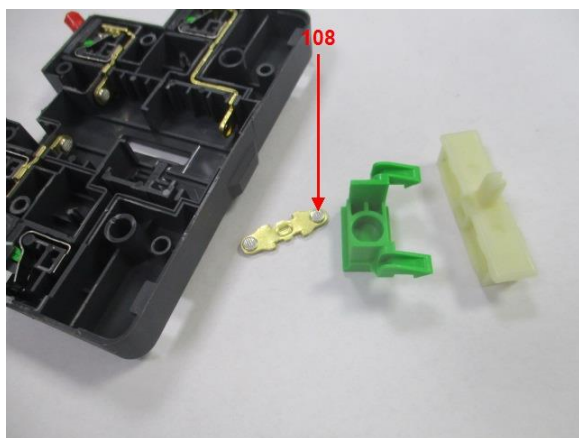
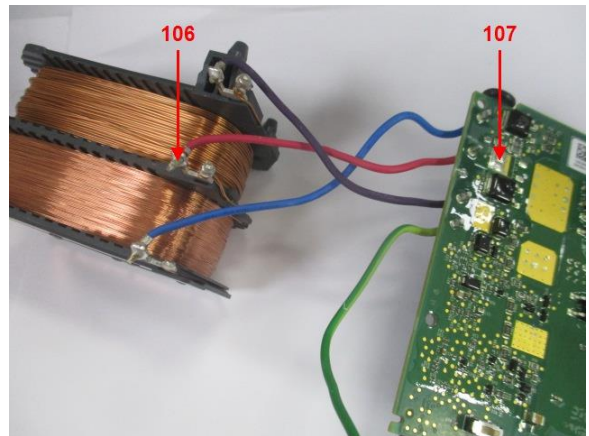
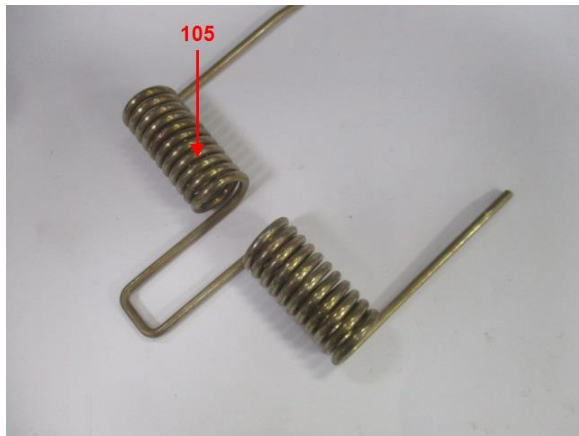
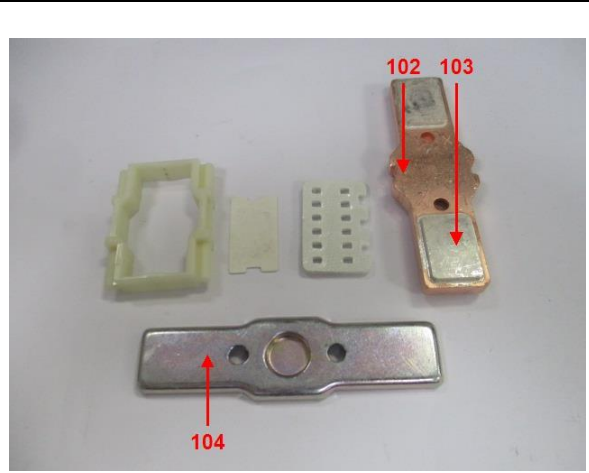
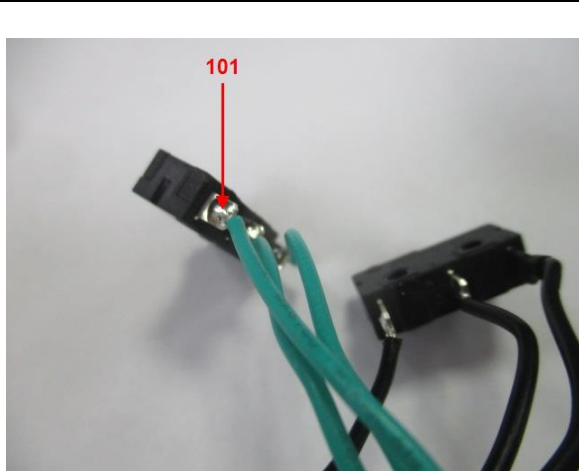
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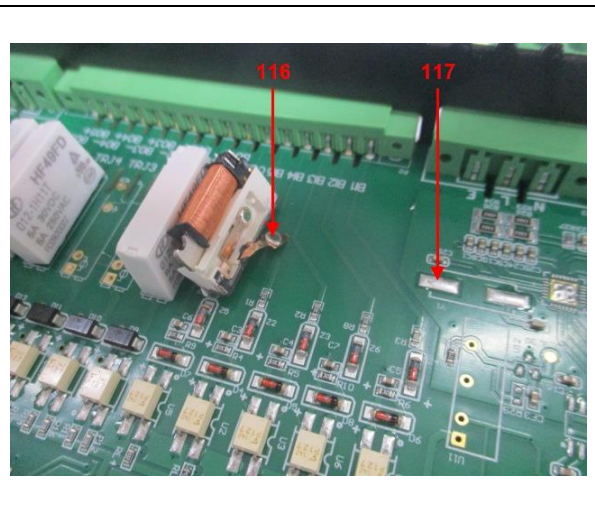
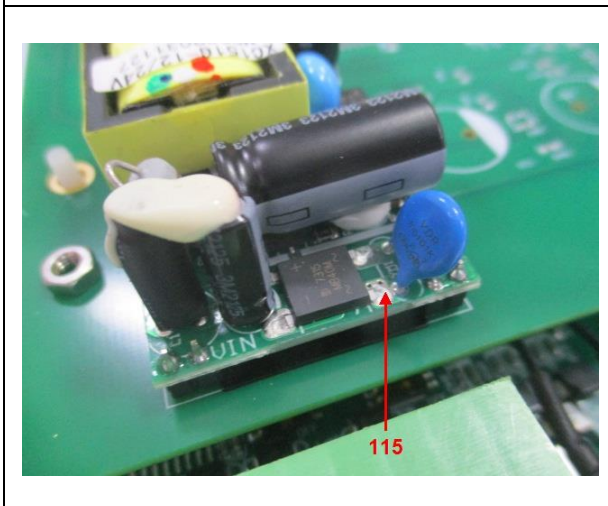
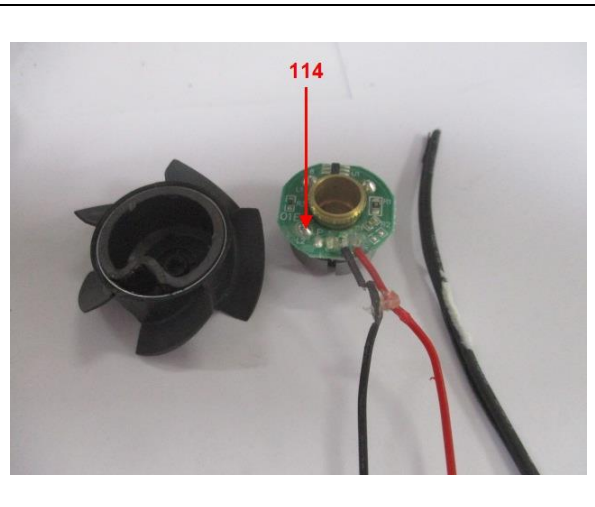
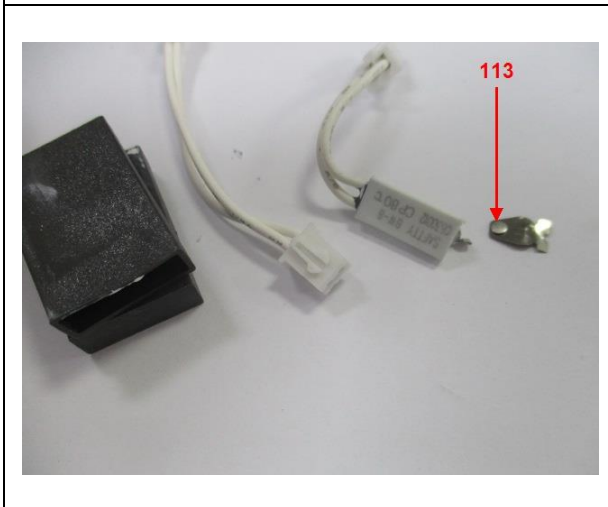
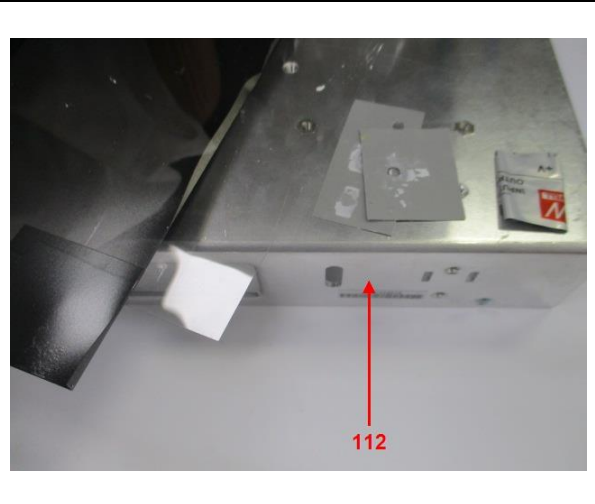
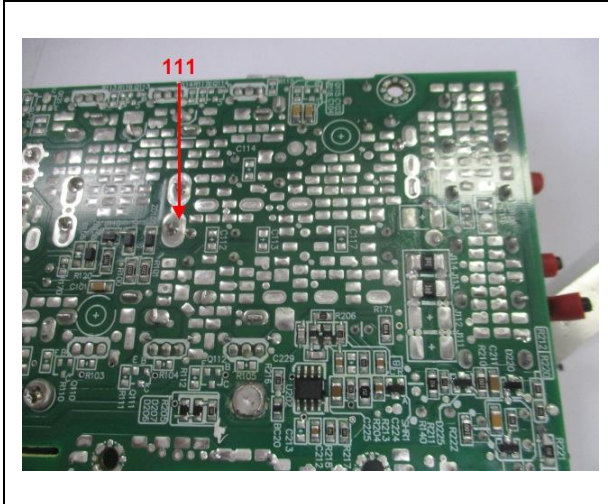
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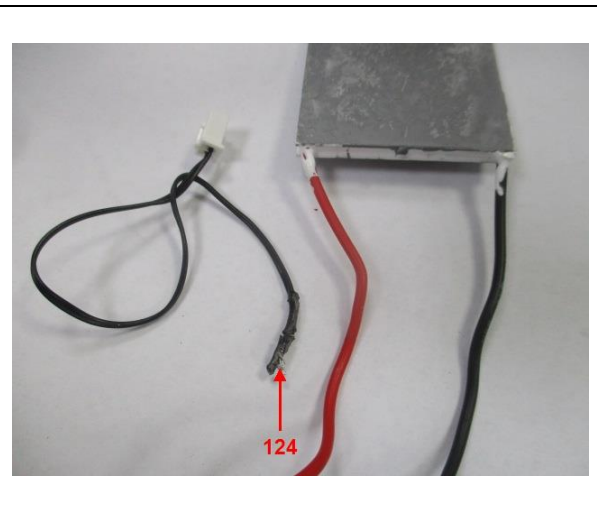
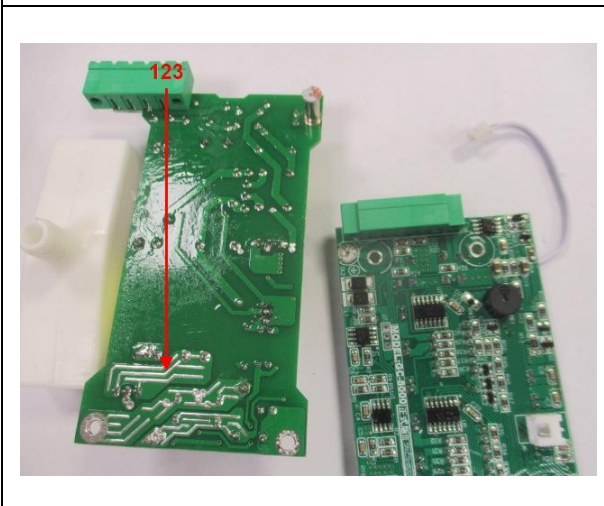
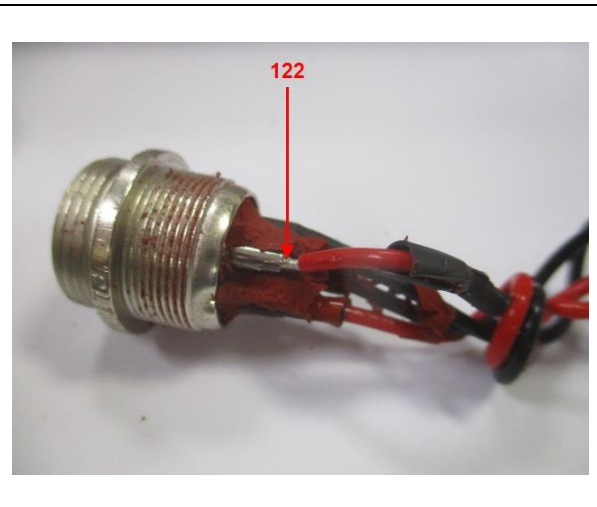
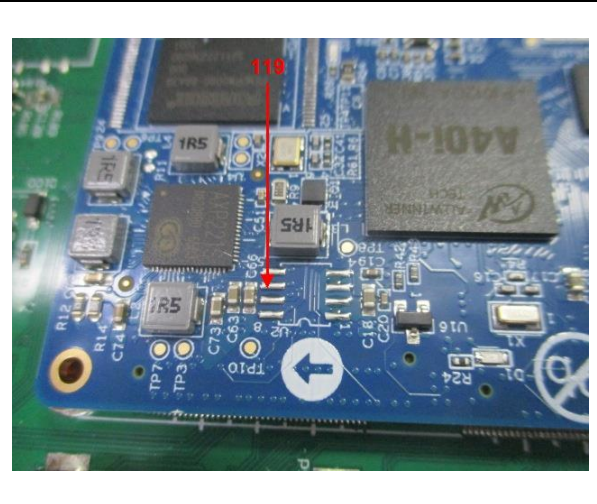
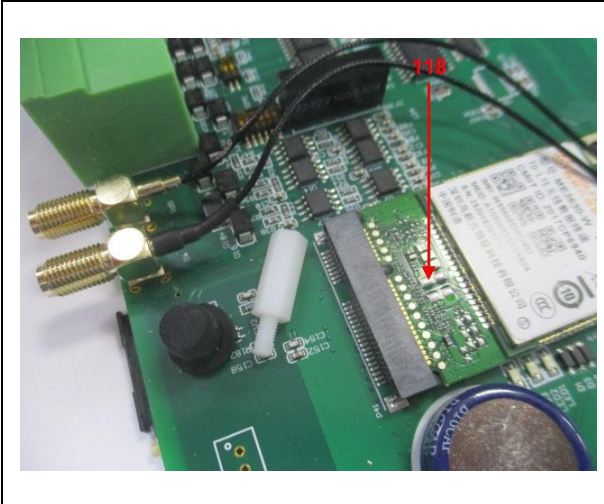
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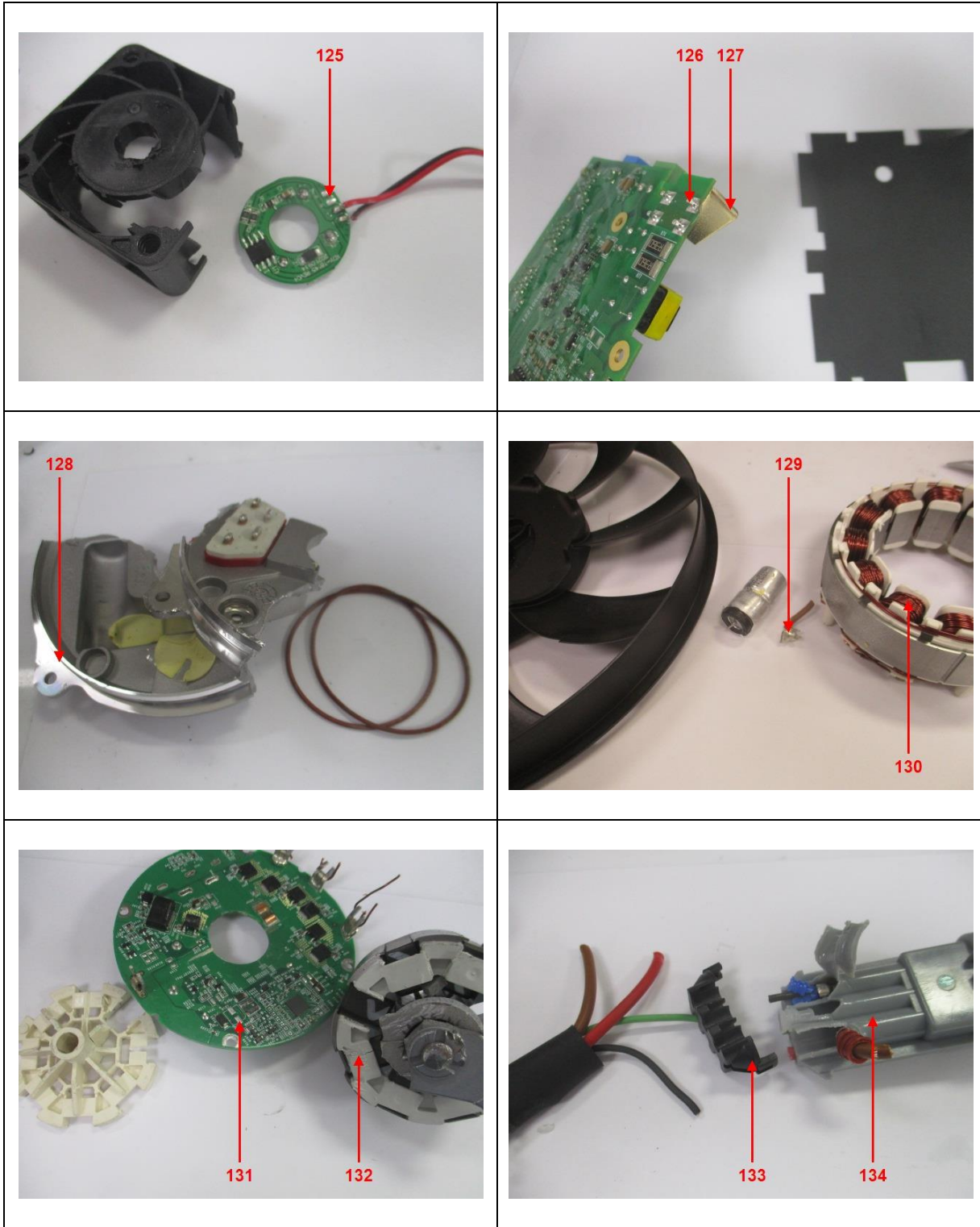
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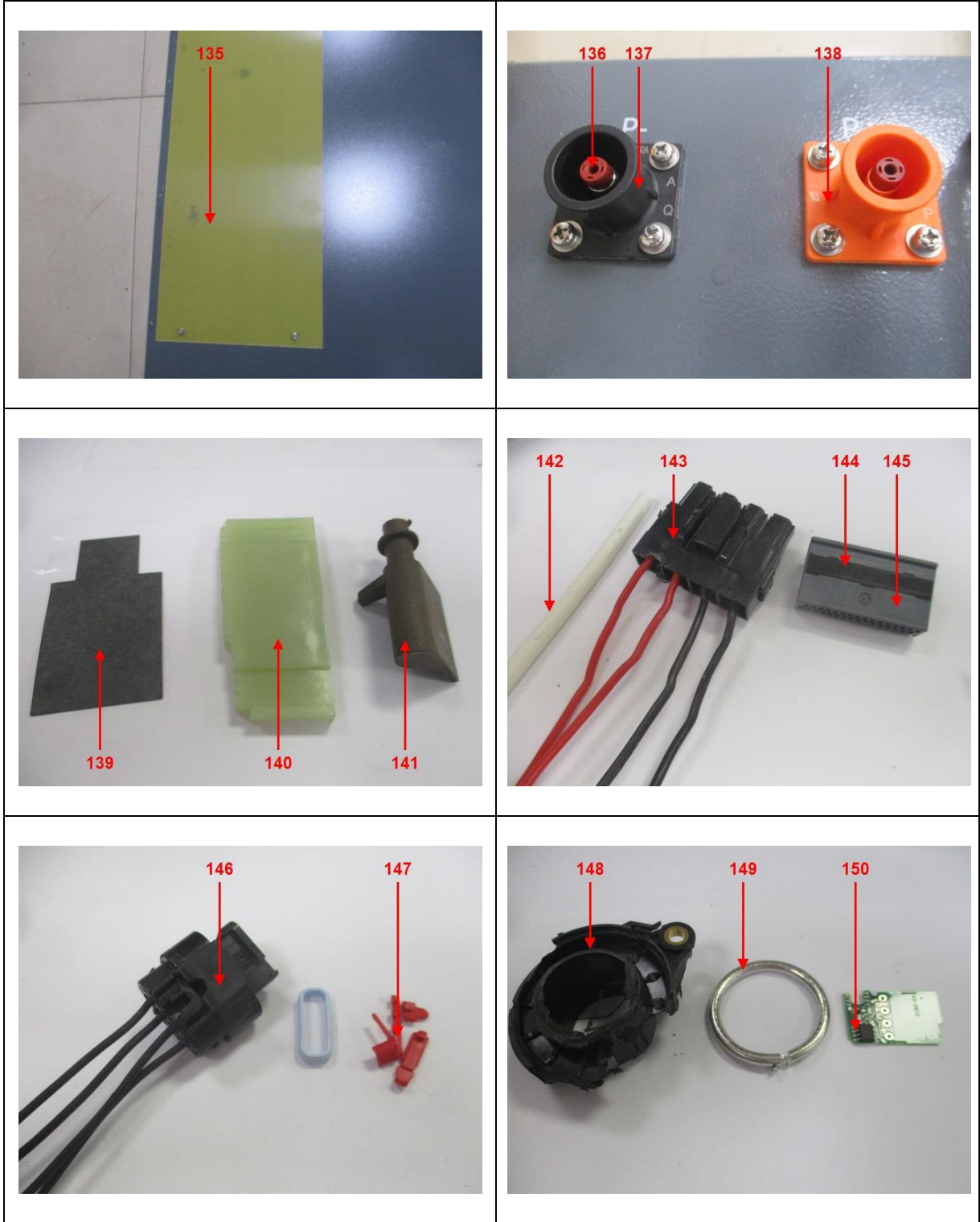
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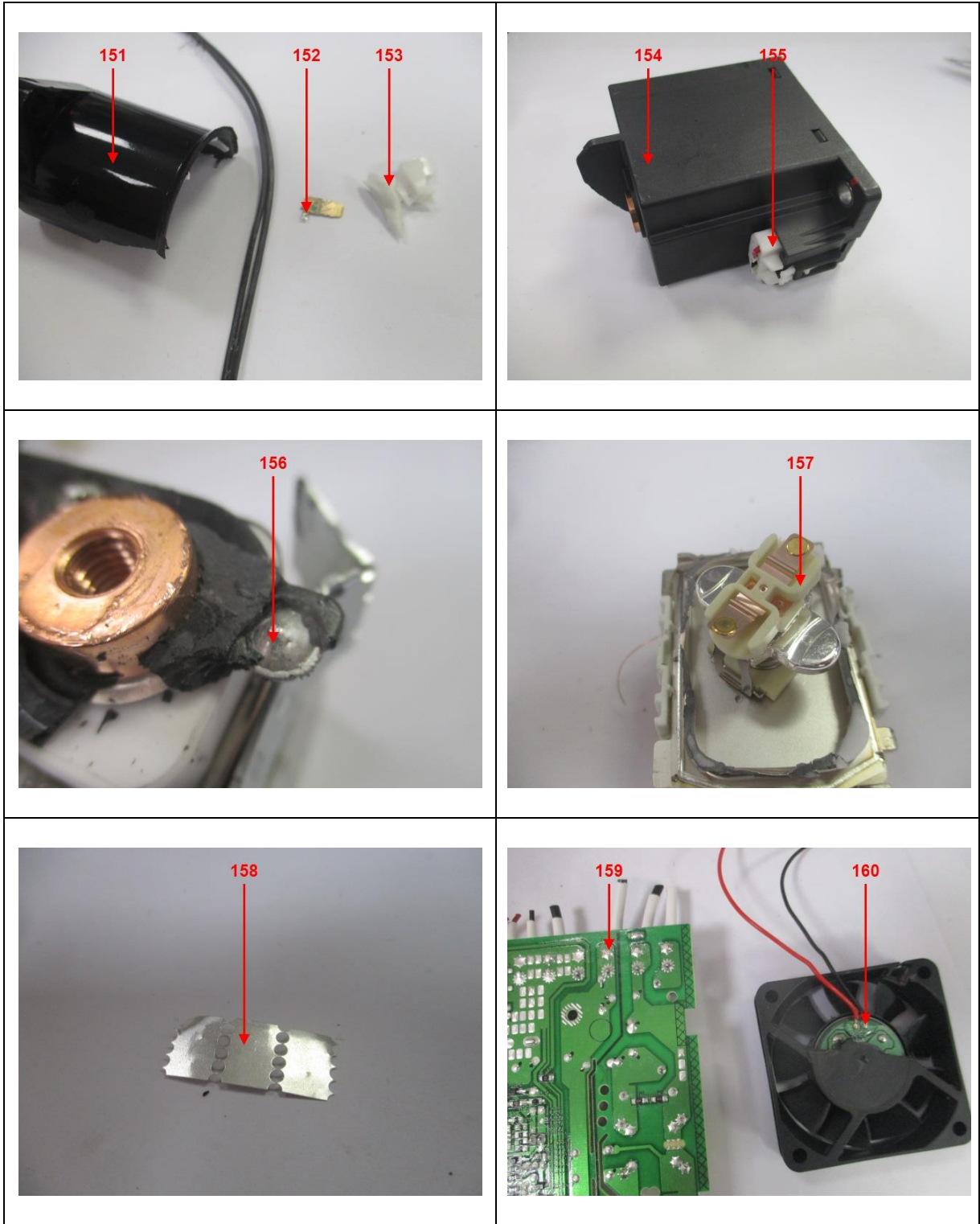
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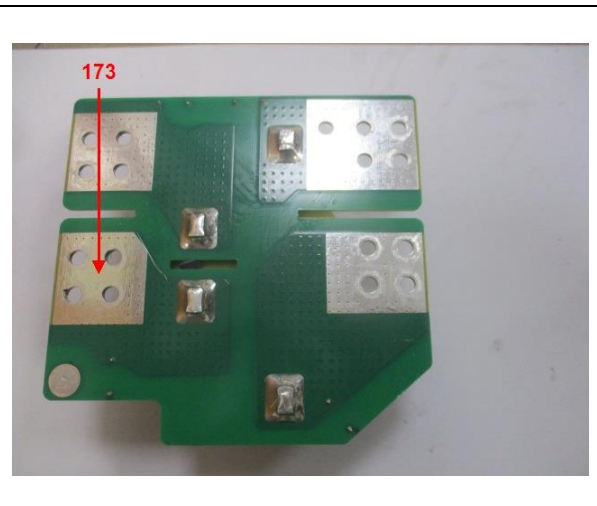
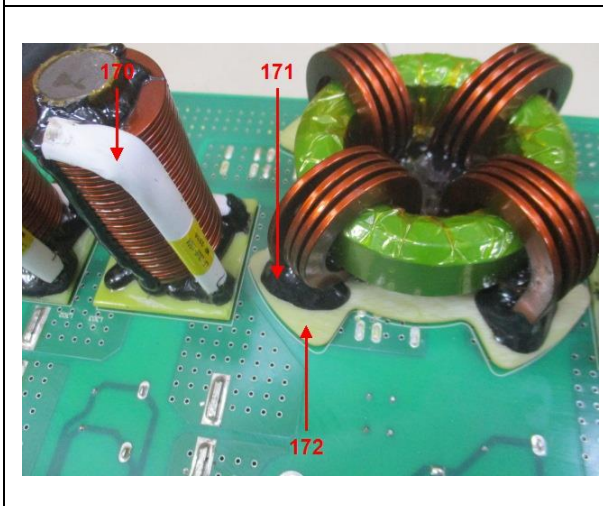
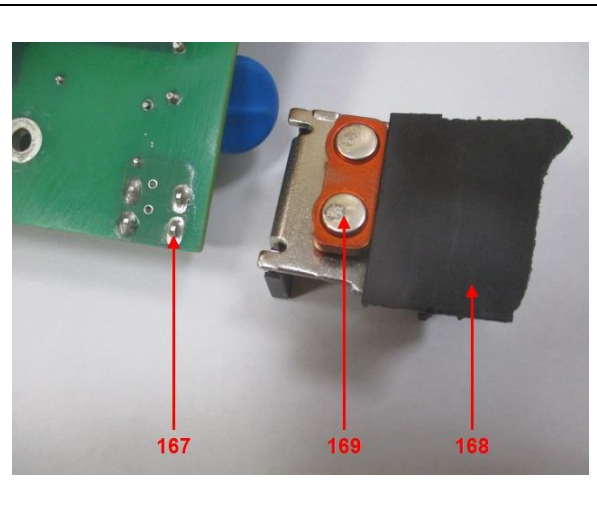
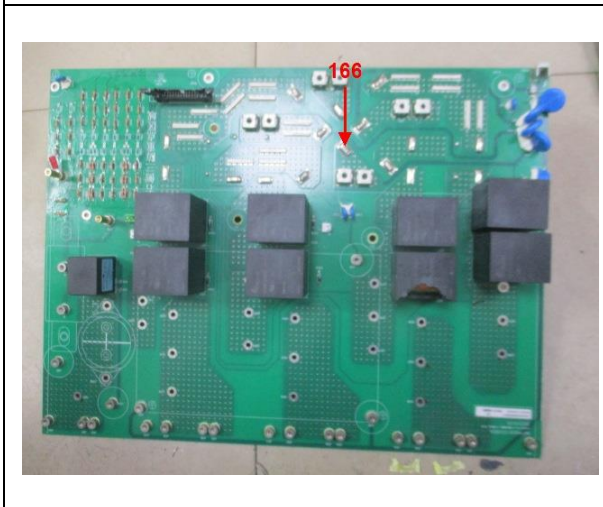
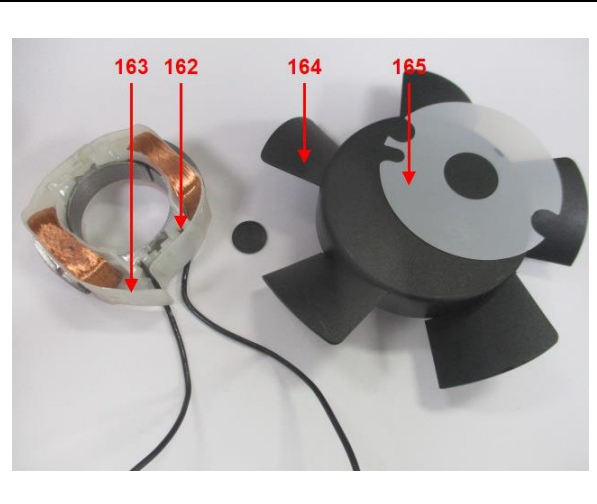
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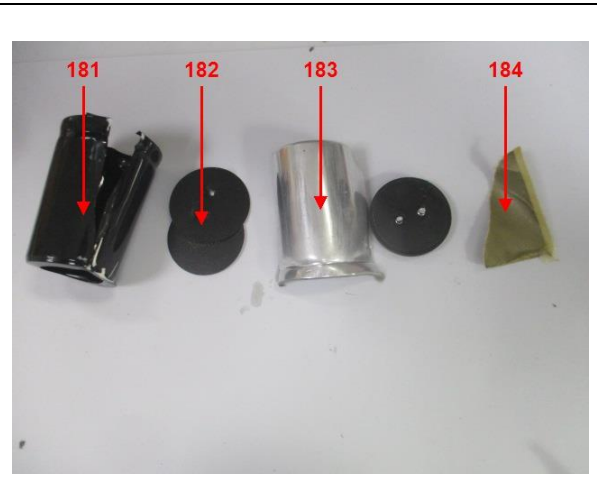
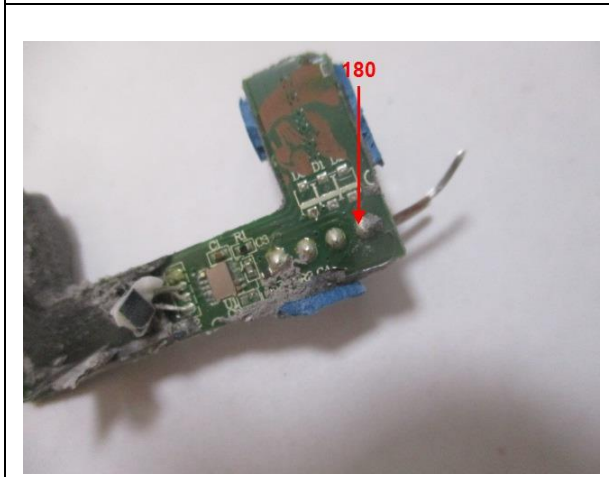
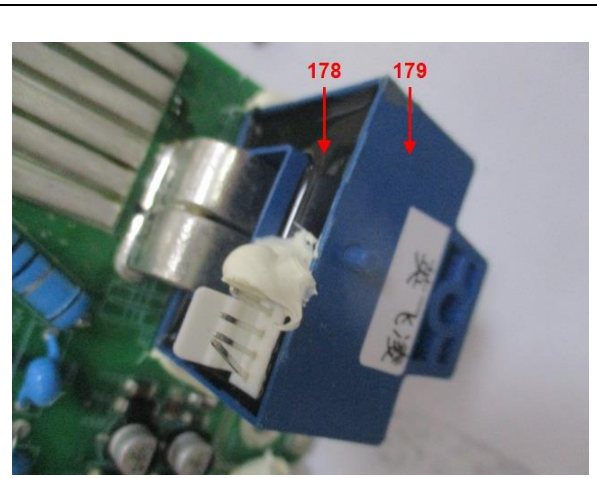
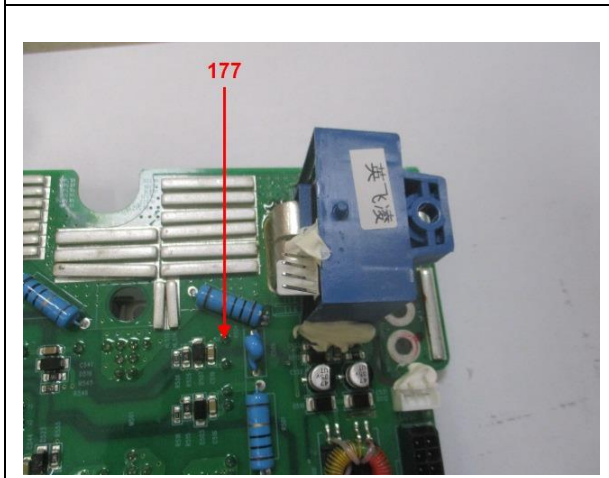
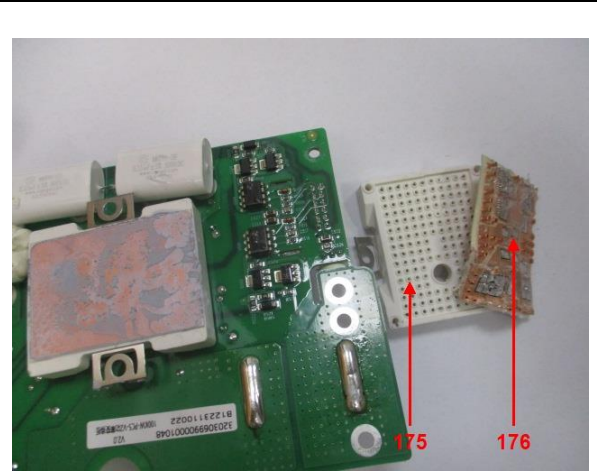
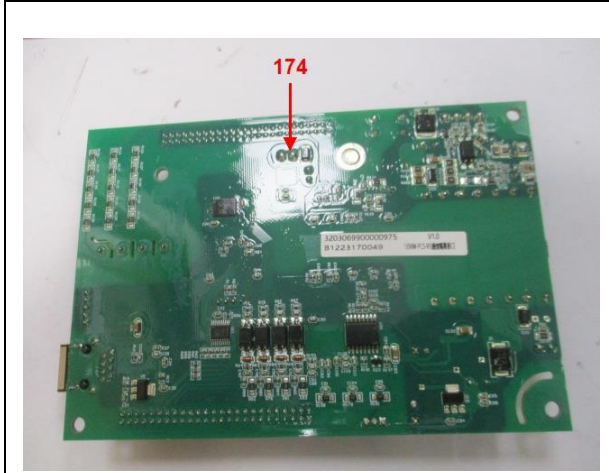
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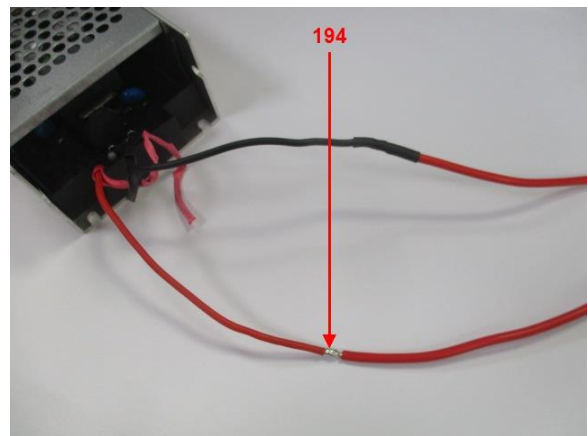
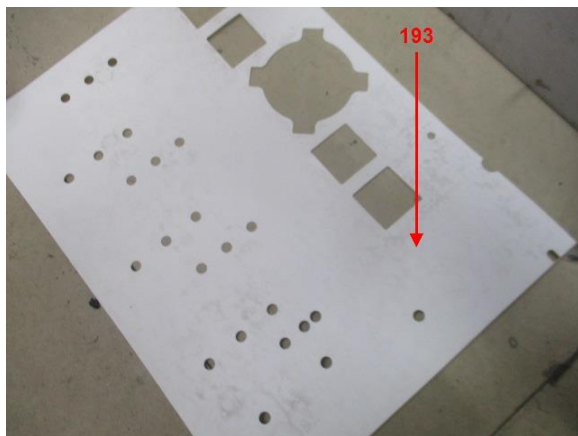
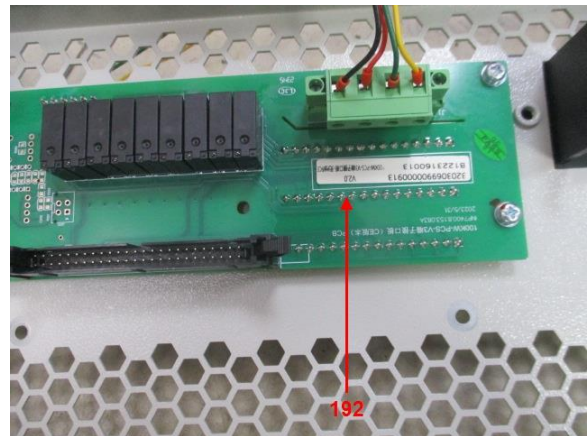
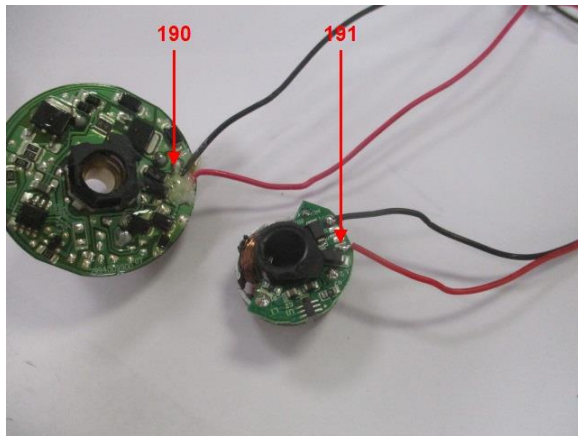
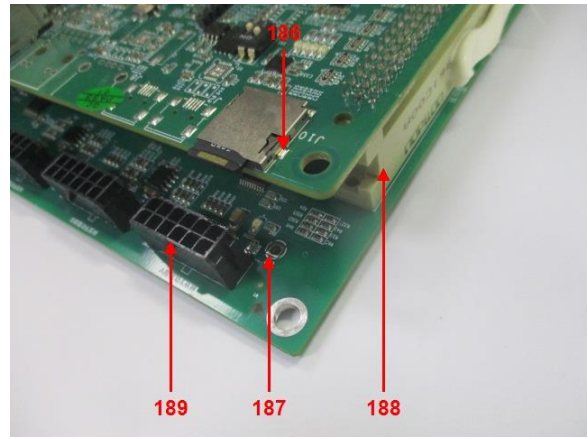
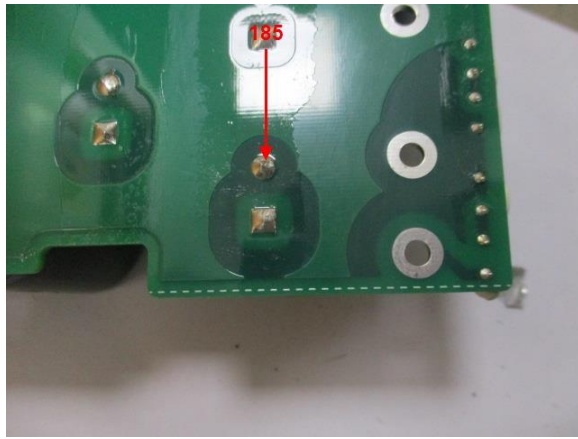
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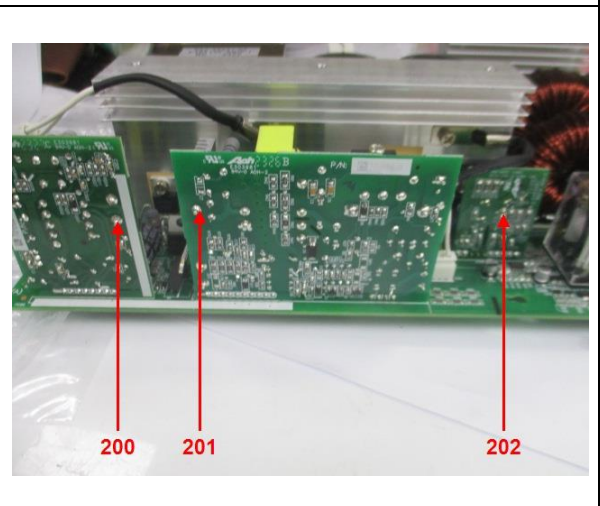
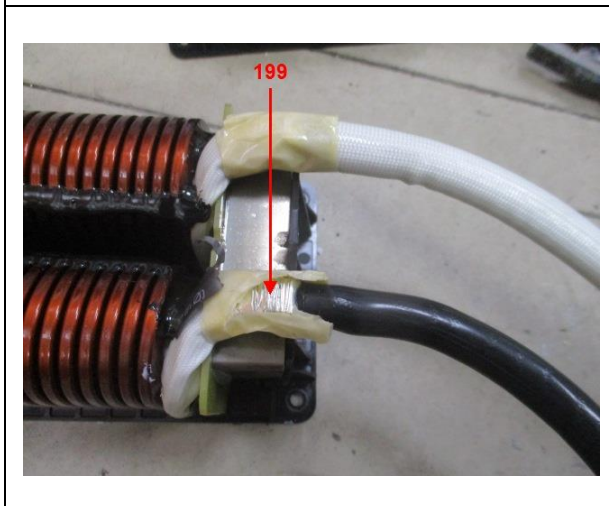
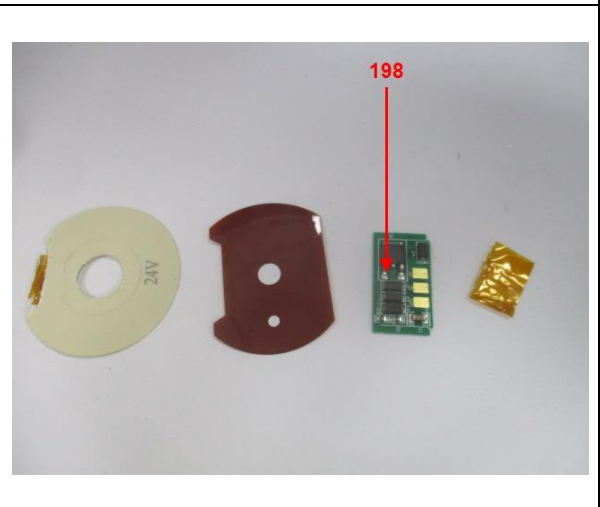
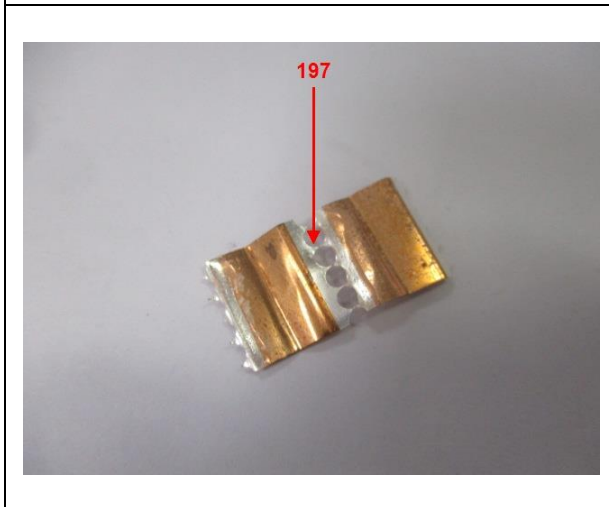
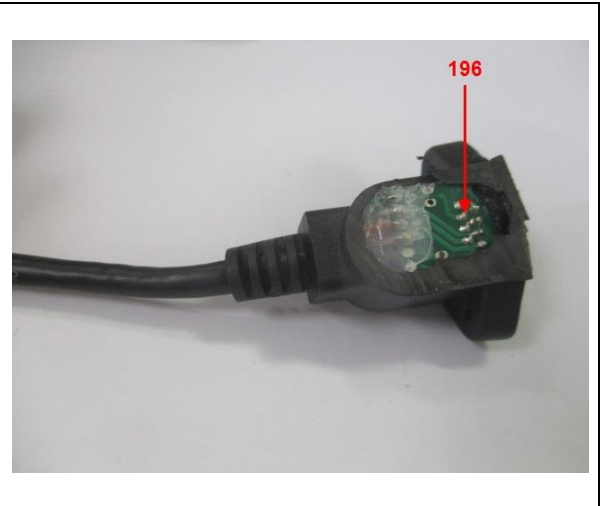
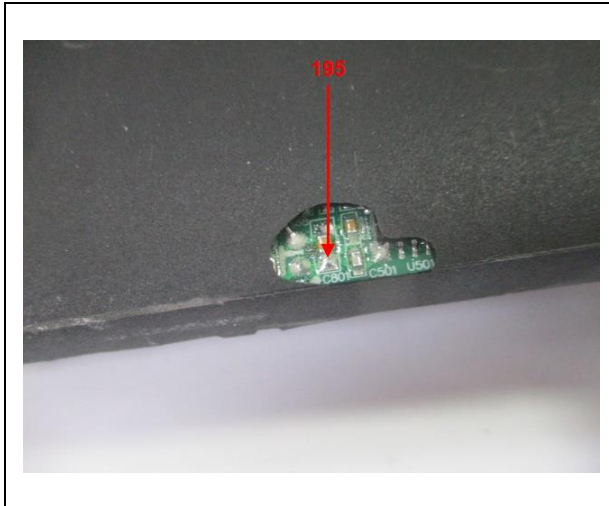
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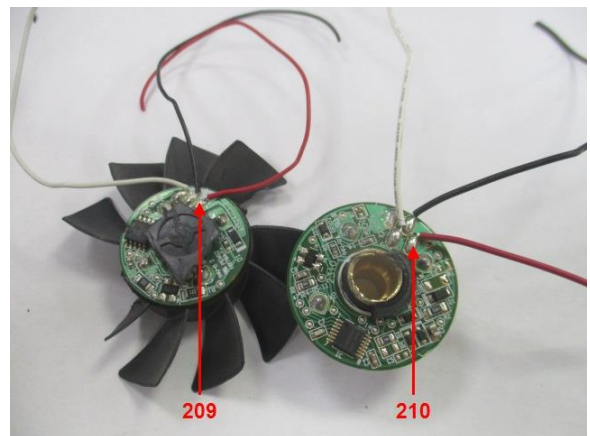
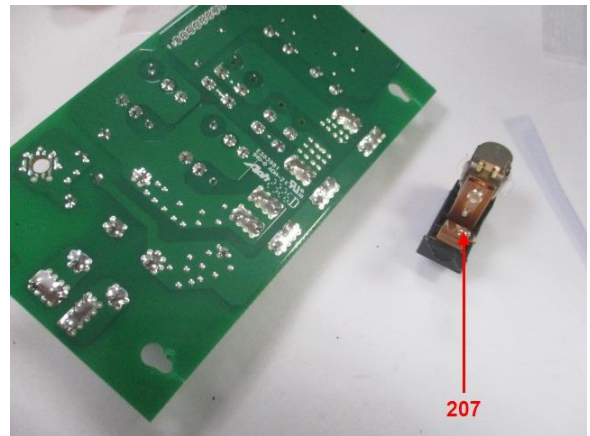
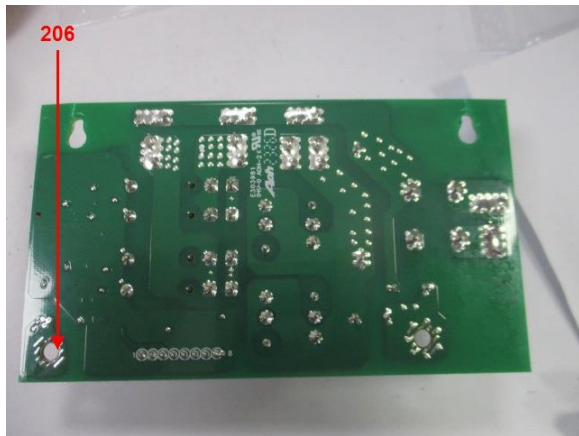
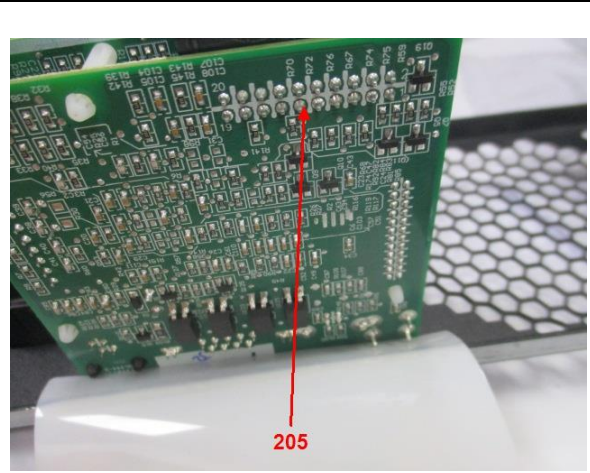
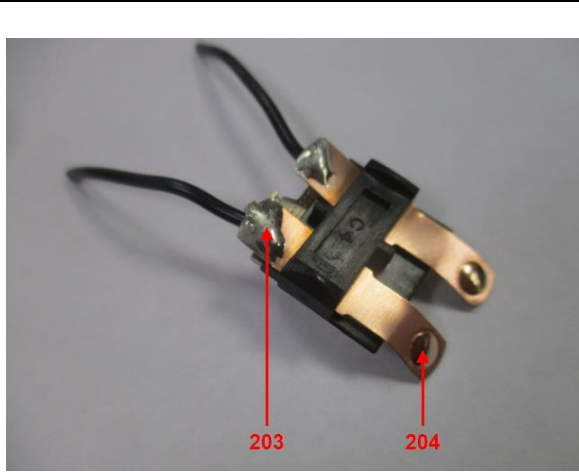
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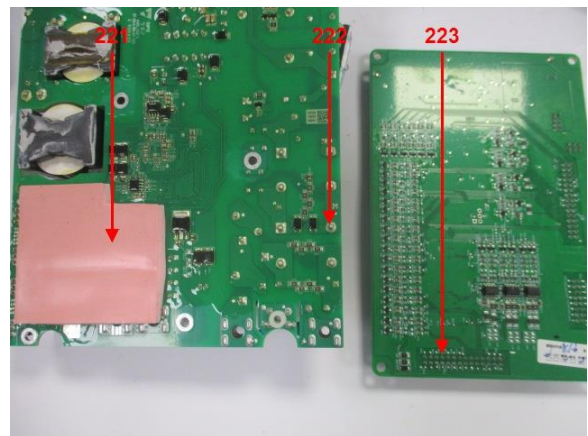
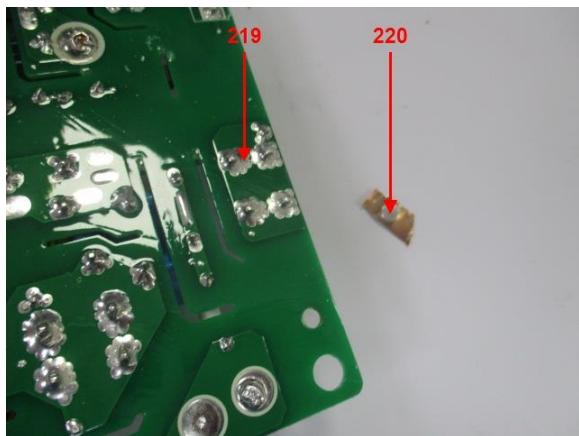
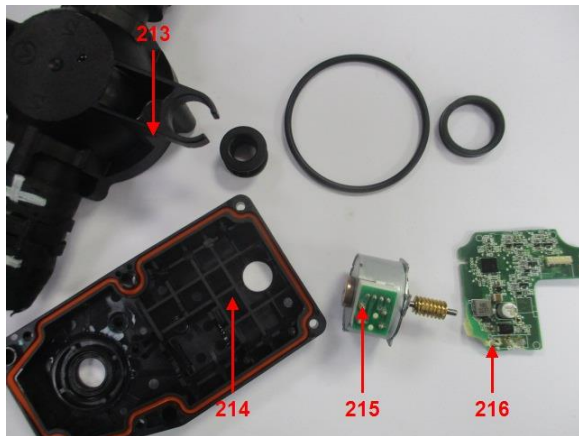
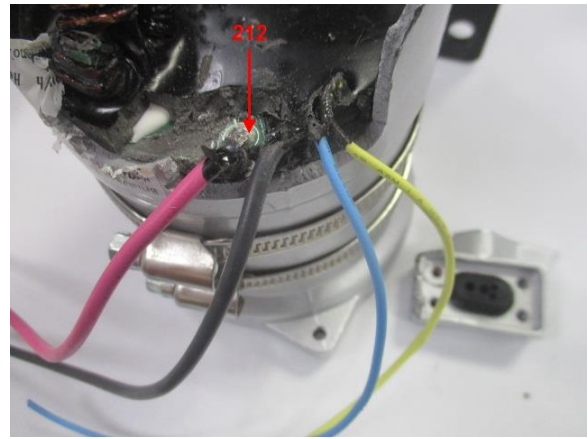
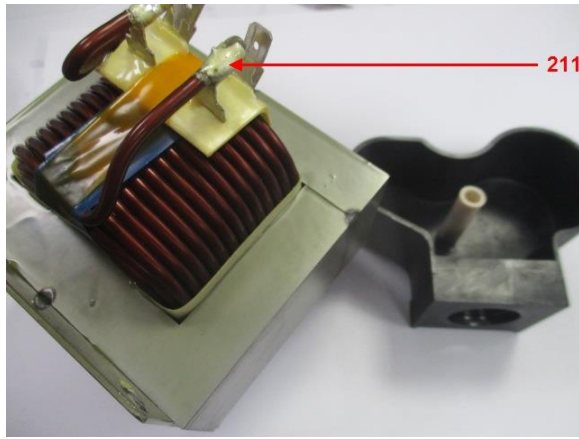
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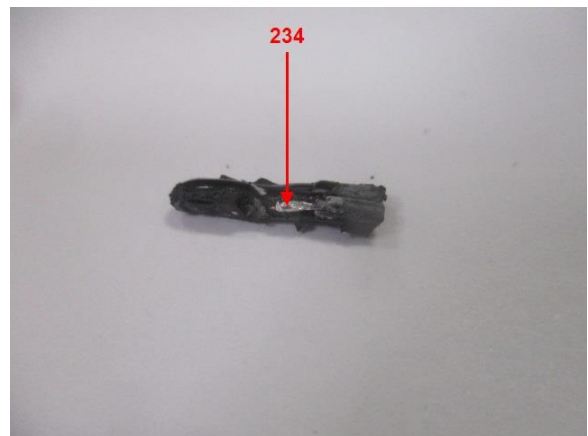
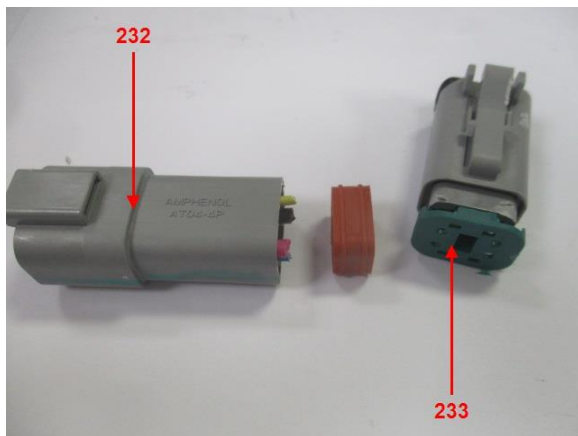
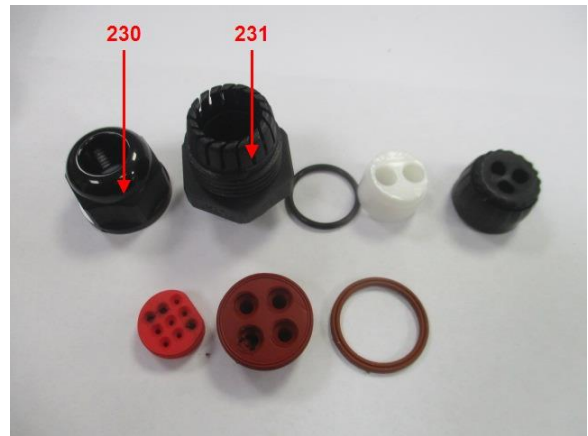
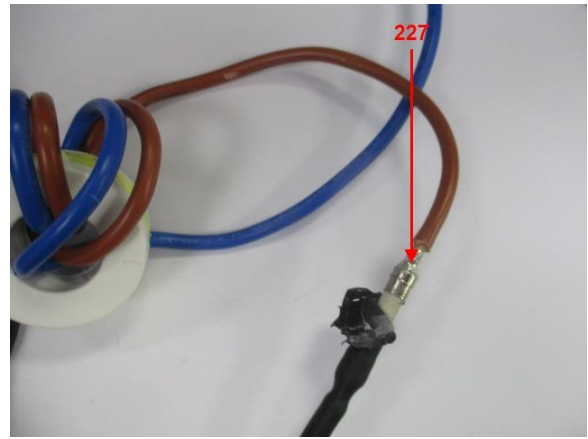
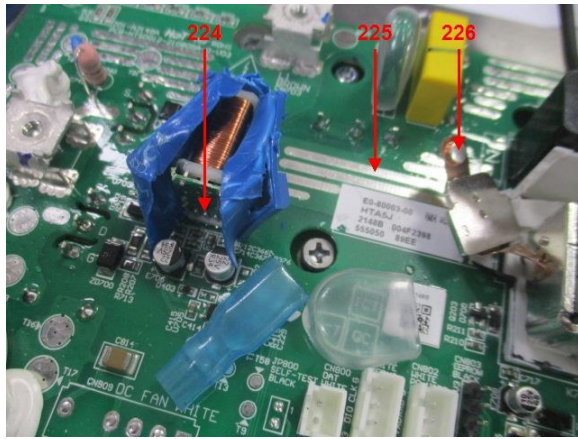
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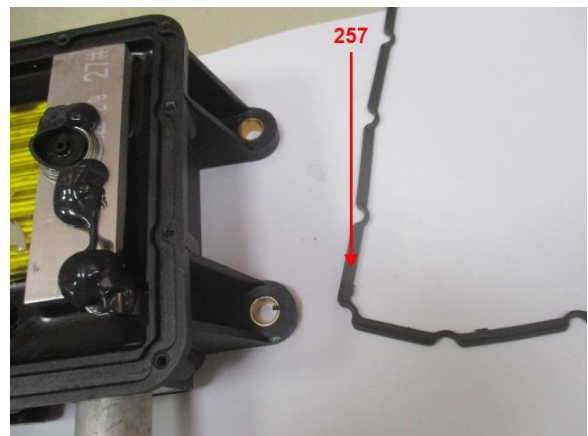
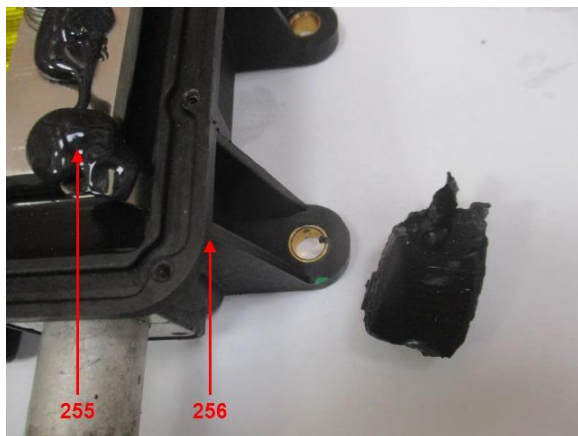
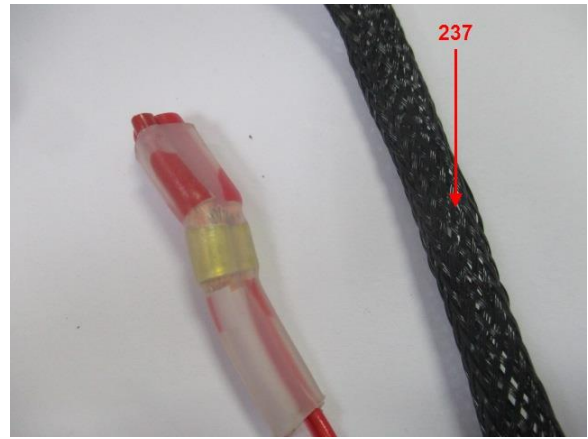
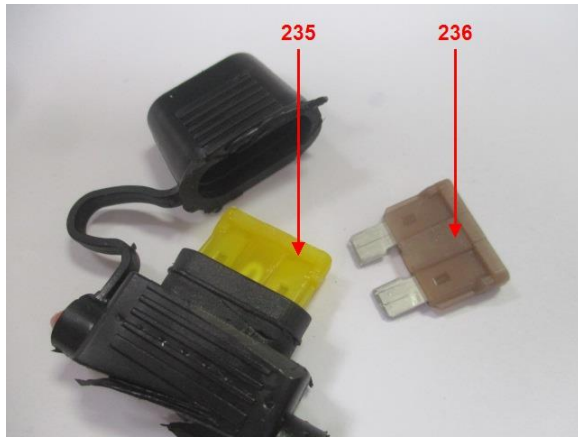
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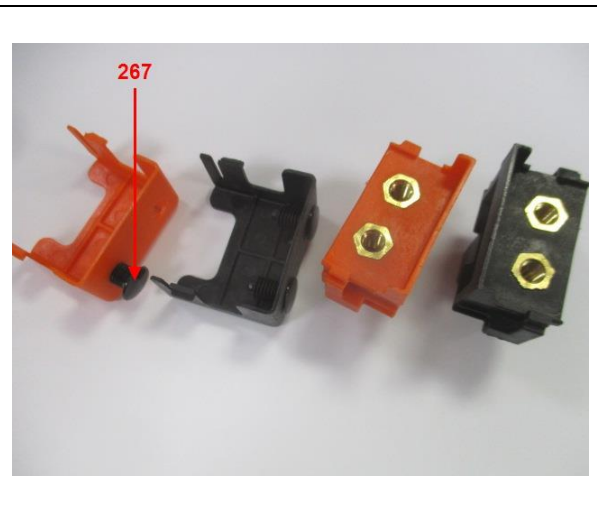
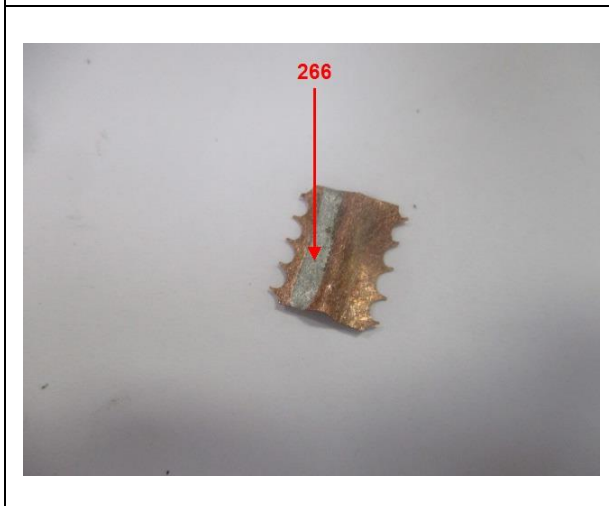
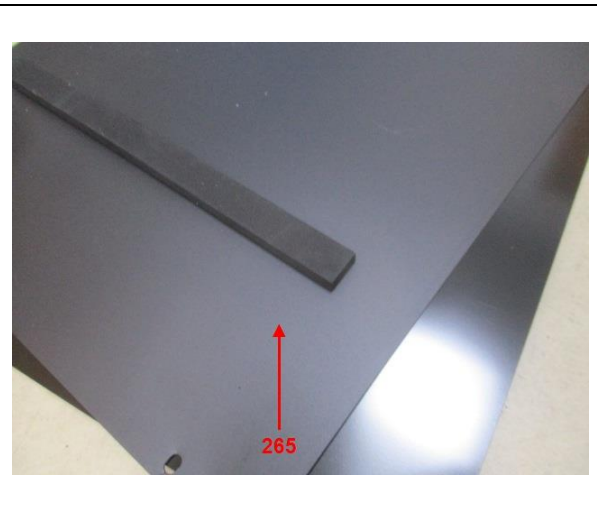
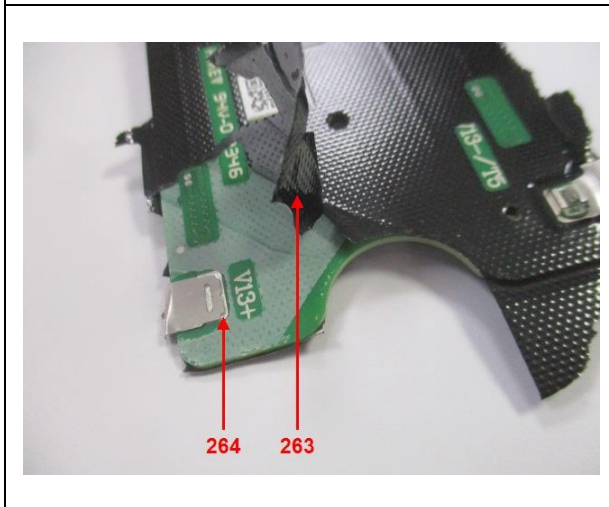
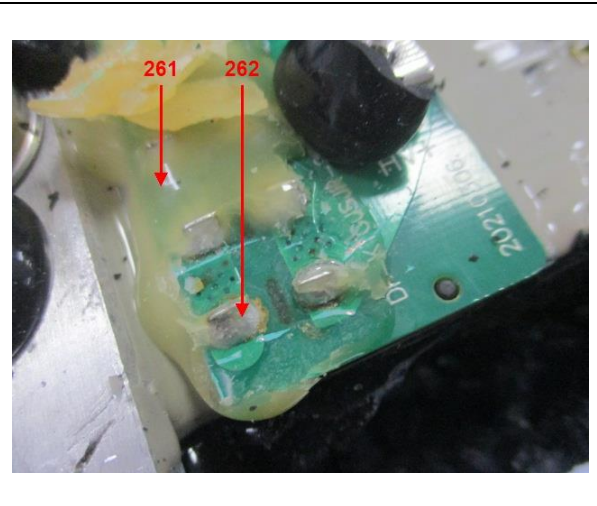
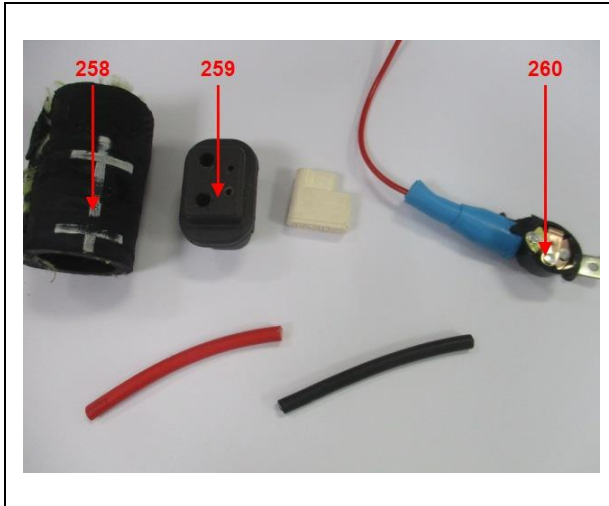
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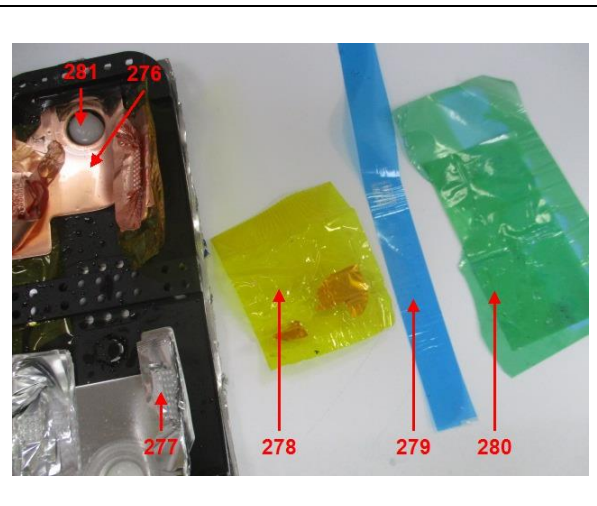
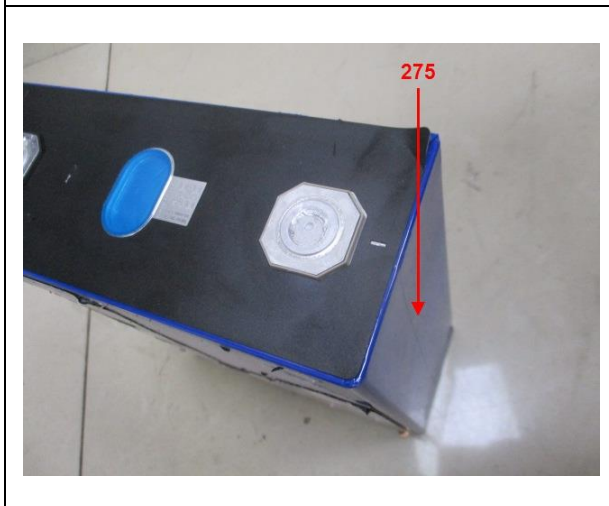
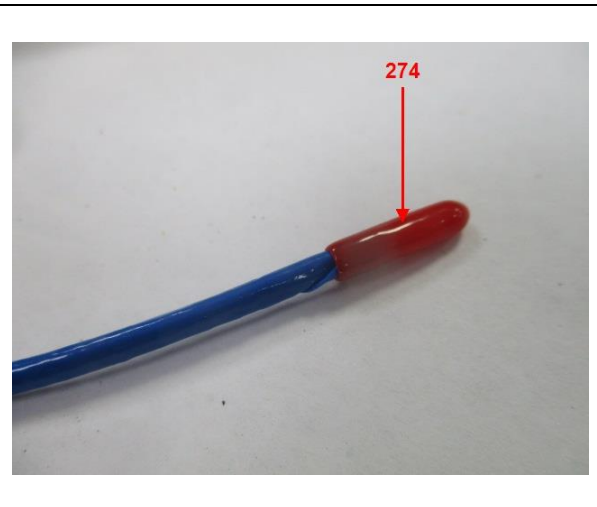
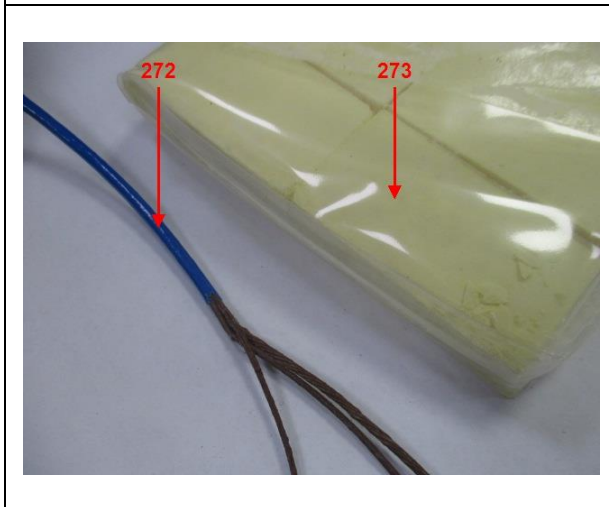
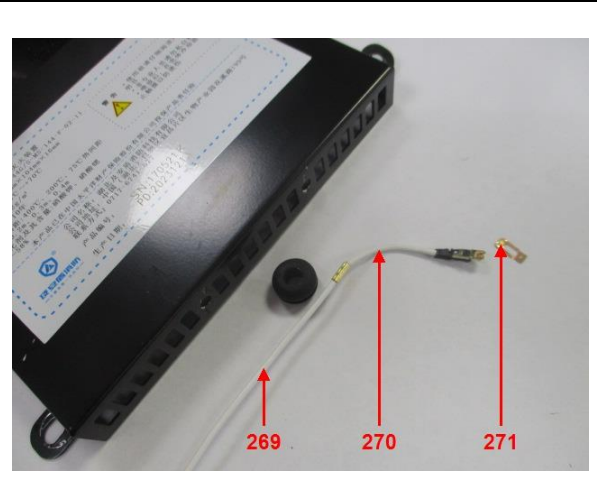
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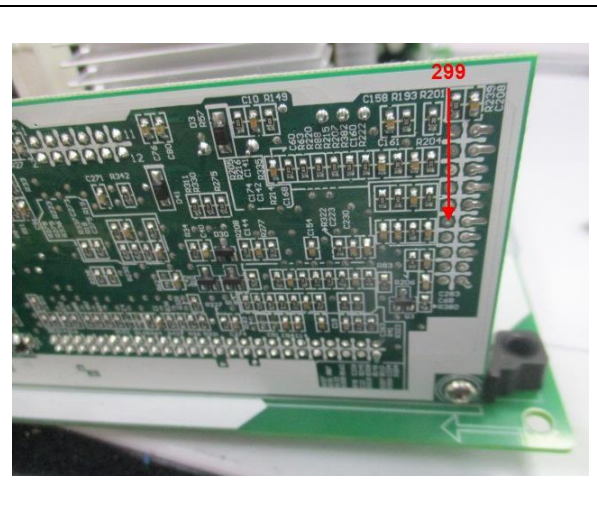
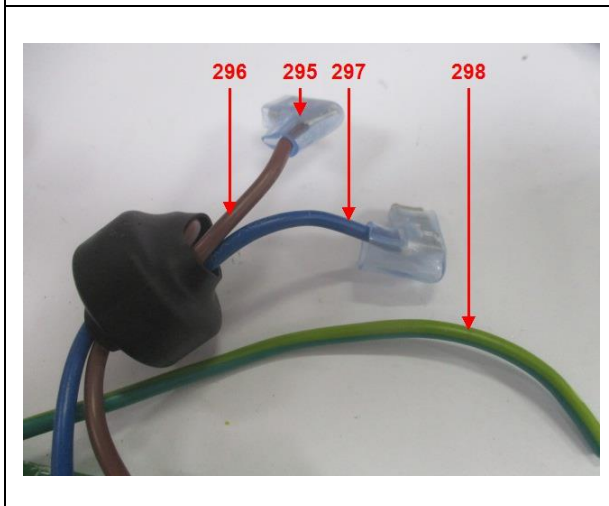
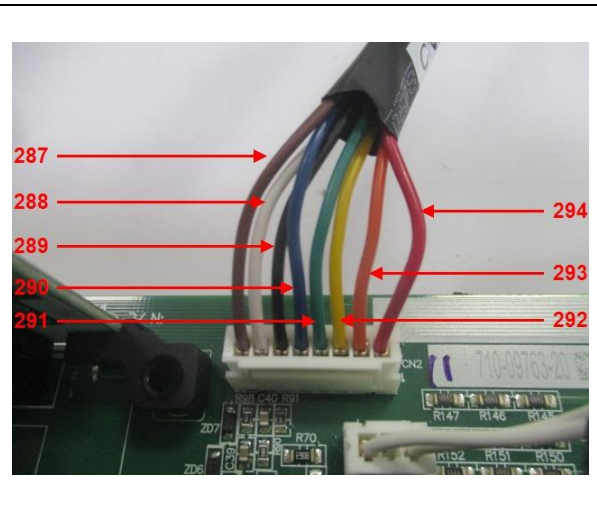
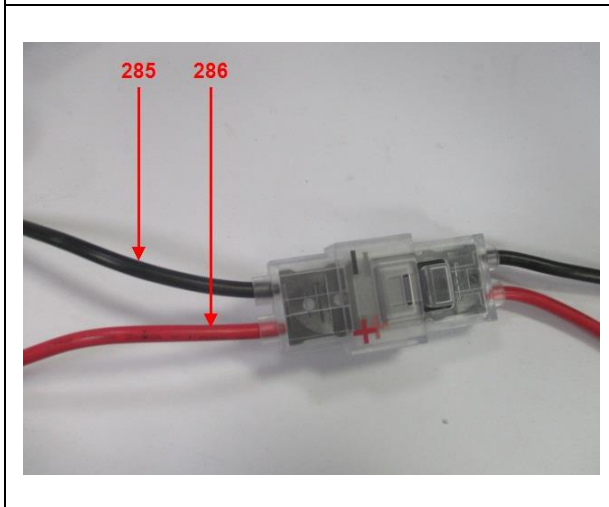
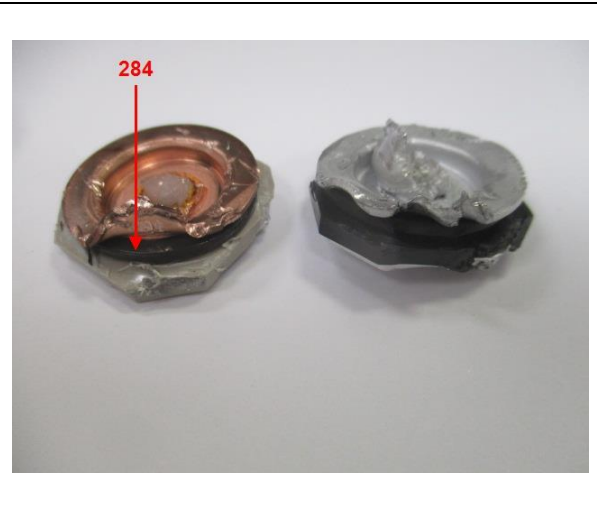
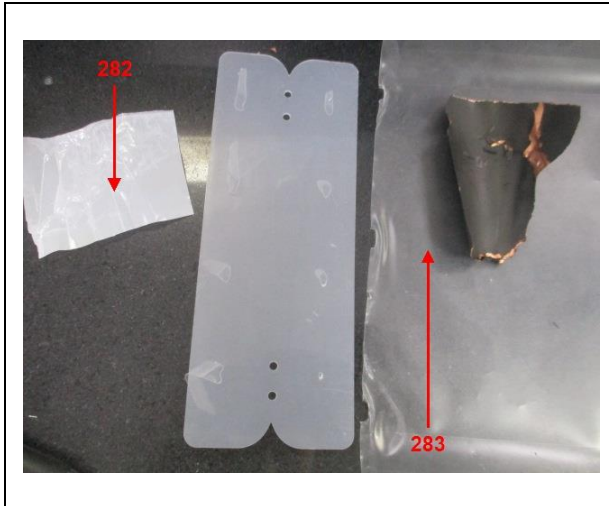
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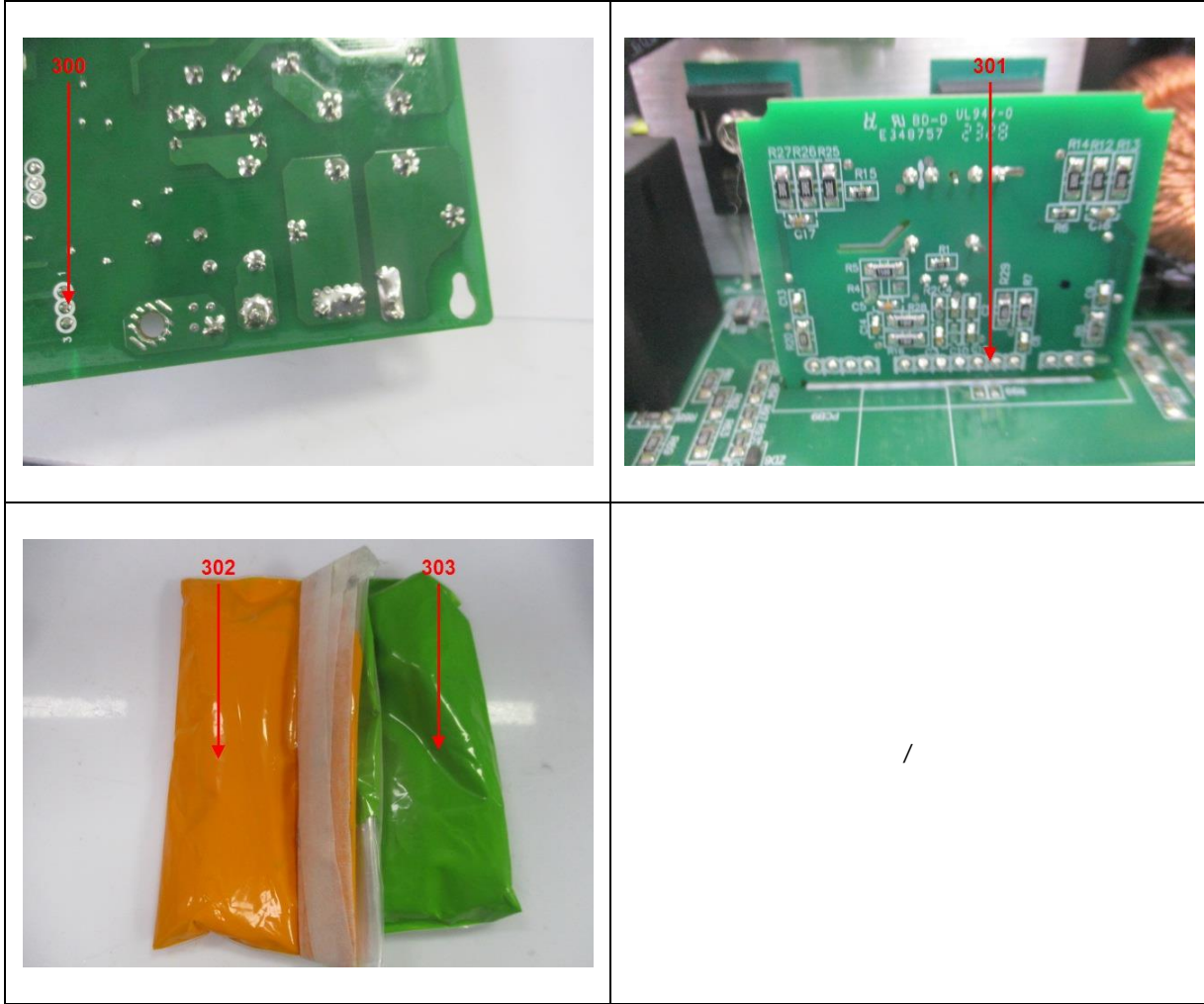
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APPENDIX

List of Analytes and their Corresponding Test Methods, Detection Limit and Maximum Allowable Limit [Compliance Test for European Parliament and Council Directive 2011/65/EU with its Amendments (EU) 2015/863] :						
No.	Name of Analyte(s)	Detection Limit (mg/kg)				Maximum Allowable Limit (mg/kg)
		X-ray fluorescence (XRF) ^[a]			Wet Chemistry	
		Plastic	Metallic / glass / ceramic	Others		
1	Lead (Pb)	100	200	200	10 ^[b]	1000
2	Cadmium (Cd)	50	50	50	10 ^[b]	100
3	Mercury (Hg)	100	200	200	10 ^[c]	1000
4	Chromium (Cr)	100	200	200	NA	NA
5	Chromium VI (Cr VI)	NA	NA	NA	3 ^[g, h] / 10 ^[d] / See ^[e, i]	1000 / Negative ^[j]
6	Bromine (Br)	200	NA	200	NA	NA
7	Polybromobiphenyls (PBBs) - Bromobiphenyl (MonoBB) - Dibromobiphenyl (DiBB) - Tribromobiphenyl (TriBB) - Tetrabromobiphenyl (TetraBB) - Pentabromobiphenyl (PentaBB) - Hexabromobiphenyl (HexaBB) - Heptabromobiphenyl (HeptaBB) - Octabromobiphenyl (OctaBB) - Nonabromobiphenyl (NonaBB) - Decabromobiphenyl (DecaBB)	NA	NA	NA	Each 50 ^[f]	Sum 1000
8	Polybromodiphenyl ethers (PBDEs) - Bromodiphenyl ether (MonoBDE) - Dibromodiphenyl ether (DiBDE) - Tribromodiphenyl ether (TriBDE) - Tetrabromodiphenyl ether (TetraBDE) - Pentabromodiphenyl ether (PentaBDE) - Hexabromodiphenyl ether (HexaBDE) - Heptabromodiphenyl ether (HeptaBDE) - Octabromodiphenyl ether (OctaBDE) - Nonabromodiphenyl ether (NonaBDE) - Decabromodiphenyl ether (DecaBDE)	NA	NA	NA	Each 50 ^[f]	Sum 1000
NA = Not applicable IEC = International Electrotechnical Commission ^[a] Test method with reference to International Standard IEC 62321-3-1: 2013. ^[b] Test method with reference to International Standard IEC 62321-5: 2013. ^[c] Test method with reference to International Standard IEC 62321-4: 2013+AMD1: 2017. ^[d] Polymers and Electronics - Test method with reference to International Standard IEC 62321-7-2: 2017. ^[e] Metal - Test method with reference to International Standard IEC 62321-7-1: 2015. ^[f] Test method with reference to International Standard IEC 62321-6: 2015. ^[g] Leather - Test method International Standard ISO 17075: 2017. ^[h] Other Than Metal, Leather, Polymers and Electronics - Test method with reference to International Standard ISO 17075: 2017. ^[i] Result(s) of Cr VI for metallic material(s) was (were) expressed in term of positive and negative. Negative means the absence of Cr VI on the tested areas and the result(s) was (were) regarded as in compliance with European Parliament and Council Directive 2011/65/EU, Article 4(1). While, positive means the presence of Cr VI on tested areas and the result(s) was (were) regarded as in conflict with European Parliament and Council Directive 2011/65/EU, Article 4(1). ^[j] Test method with reference to International Standard IEC 62321-8: 2017						
Testing Approach [Compliance Test for European Parliament and Council Directive 2011/65/EU] :						
The testing approach was with reference to the following document(s).						
1	International Standards IEC 62321-1: 2013 and IEC 62321-2: 2021					
2	"RoHS Enforcement Guidance Document Version 1" by EU RoHS Enforcement Authorities Informal Network. (May 2006)					
3	"RoHS Regulations - Government Guidance Notes" by United Kingdom Department for Business Innovation & Skills. (February 2011)					
4	"Final Report to RoHS substances (Hg, Pb, Cr(VI), Cd, PBB and PBDE) in electrical and electronic equipment in Belgium" by Belgium Federal Public Service Health, Food Chain Safety and Environment. (November 2005)					