

TEST REPORT

No.: ED170213035CEV2

Date: July 18, 2017

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Applicant : CLF LIGHTING B.V.
Address : HANDELSTRAAT 25 6851 EH HUISSEN
Sample Name : CLF Xena RGBW Par
Style/Item No. : CLF Xena RGBW Par, CLF Quadcolor Mini Par
Manufacturer : CLF LIGHTING B.V.
Sample Received Date : May 31, 2017
Testing Completed Date : June 22, 2017
Revise Date : July 18, 2017

Test Requested : As requested by client, to evaluate the compliance of the submitted sample with the Directive 2011/65/EU and amendment directive 2015/863/EU of the European Parliament and of the Council of 8 June 2011 on the restriction of the use of certain hazardous substances in electrical and electronic equipment.

Test Method : 1. Review was performed for the sample and the related Bill of Material submitted by the Applicant.
2. a) To refer to the standard IEC 62321-3-1:2013: Screening by XRF Spectroscopy.
b) Wet chemical test
1) to refer to IEC 62321-5: 2013, determine the Cadmium, Lead content by ICP-OES.
2) to refer to IEC 62321-4: 2013, determine the Mercury content by ICP-OES.
3) to refer to IEC 62321:2008 Ed.1 & IEC 62321-7-1:2015, determine the Hexavalent Chromium content by UV-VIS.
4) to refer to IEC 62321-6:2015, determine the Polybrominated Biphenyls and Polybrominated Diphenyl Ethers by GC-MS.

Test Results : Please refer to next page (s).

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Conclusion:

Basing on the test results obtained from the homogenous materials, the submitted sample **COMPLIES** with the requirements stated in the Annex II of RoHS Directive 2011/65/EU and amendment directive 2015/863/EU.

Signed for and on behalf of
EMTEK (Dongguan) Co., Ltd.

Prepared by:



Kira Fu
Report Engineer

Reviewed by:



Carrie Zhang
Supervisor

Approved by:



Lainey Qin
Lab Director

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Test Results:

No.	Sample description	Restricted substances	Results of EDXRF ⁽¹⁾	Results of Chemical Testing ⁽²⁾ (mg/kg)	Remark
1	Silver metal with black coating	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	NA		
2	Silver metal with black coating	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	NA		
3	Silver metal with black coating	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	NA		
4	Silver metal with black coating	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	NA		
5	Label	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	BL		
6	Copper metal	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	NA		

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No.	Sample description	Restricted substances	Results of EDXRF ⁽¹⁾	Results of Chemical Testing ⁽²⁾ (mg/kg)	Remark
7	White hard plastic	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	BL		
8	White hard plastic	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	BL		
9	Silver metal with black coating	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	NA		
10	Silver metal with black coating	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	NA		
11	Silver metal with black coating	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	NA		
12	White hard plastic	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	BL		

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No.	Sample description	Restricted substances	Results of EDXRF ⁽¹⁾	Results of Chemical Testing ⁽²⁾ (mg/kg)	Remark
13	Silver metal with black coating	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	NA		
14	Silver metal with black coating	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	NA		
15	Blue hard plastic	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	BL		
16	White hard plastic	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	BL		
17	Transparent glass	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	BL		
18	Black soft plastic	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	BL		

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No.	Sample description	Restricted substances	Results of EDXRF ⁽¹⁾	Results of Chemical Testing ⁽²⁾ (mg/kg)	Remark
19	Silver metal with black coating	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	NA		
20	Silver metal with black coating	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	NA		
21	Transparent hard plastic	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	BL		
22	Silver metal with black coating	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	NA		
23	Silver metal with black coating	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	NA		
24	Silver metal with black coating	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	NA		

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No.	Sample description	Restricted substances	Results of EDXRF ⁽¹⁾	Results of Chemical Testing ⁽²⁾ (mg/kg)	Remark
25	Silver metal with black coating	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	NA		
26	Silver metal with black coating	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	NA		
27	Silver metal with black coating	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	NA		
28	Copper metal	Pb	OL	Pb:25585	As declared by client, the material should be exempted for lead content requirement according to Annex clause 6(c).
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	NA		
29	Blush soft plastic	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	BL		
30	Silver metal with black coating	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	NA		

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No.	Sample description	Restricted substances	Results of EDXRF ⁽¹⁾	Results of Chemical Testing ⁽²⁾ (mg/kg)	Remark
31	Silver metal with black coating	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	NA		
32	Silver metal	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	NA		
33	White PCB	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	BL		
34	Silver metal	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	NA		
35	SMD resistor	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	BL		
36	White hard plastic	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	BL		

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No.	Sample description	Restricted substances	Results of EDXRF ⁽¹⁾	Results of Chemical Testing ⁽²⁾ (mg/kg)	Remark
37	SMD capacitor	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	BL		
38	SMD diode	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	BL		
39	Transparent hard plastic	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	BL		
40	Silver metal	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	NA		
41	SMD IC	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	BL		
42	Silver metal	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	NA		

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No.	Sample description	Restricted substances	Results of EDXRF ⁽¹⁾	Results of Chemical Testing ⁽²⁾ (mg/kg)	Remark
43	Black solid	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	BL		
44	Copper metal	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	NA		
45	Beige hard plastic	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	BL		
46	Silver metal	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	NA		
47	Transparent soft plastic	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	BL		
48	Yellow LED	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	BL		

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No.	Sample description	Restricted substances	Results of EDXRF ⁽¹⁾	Results of Chemical Testing ⁽²⁾ (mg/kg)	Remark
49	Silver metal with black coating	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	NA		
50	Beige paper	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	BL		
51	Silver metal	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	NA		
52	Silver metal	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	NA		
53	Black soft plastic	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	BL		
54	Grey metal	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	NA		

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55	Silver metal	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	NA		
56	Black hard plastic	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	BL		
57	Silver metal with black coating	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	NA		
58	Silver metal with black coating	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	NA		
59	White hard plastic	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	BL		
60	Silver metal	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	NA		

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61	Black hard plastic	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	BL		
62	Silver metal	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	NA		
63	Black soft plastic with silver printing	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	BL		
64	Black hard plastic	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	BL		
65	Label	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	BL		
66	Yellow soft plastic	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	BL		

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67	Blue soft plastic	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	BL		
68	Black soft plastic	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	BL		
69	Red soft plastic	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	BL		
70	Black solid	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	BL		
71	Silver metal	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	NA		
72	SMD IC	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	BL		

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73	SMD resistor	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	BL		
74	Green PCB	Pb	BL	PBBs:ND PBDEs:ND	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	X		
75	Silver metal	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	NA		
76	SMD capacitor	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	BL		
77	SMD diode	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	BL		
78	Silver metal	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	NA		

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79	Black hard plastic	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	BL		
80	Copper metal	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	NA		
81	Silver metal	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	NA		
82	Silver metal	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	NA		
83	White hard plastic	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	BL		
84	Silver metal	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	NA		

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No.	Sample description	Restricted substances	Results of EDXRF ⁽¹⁾	Results of Chemical Testing ⁽²⁾ (mg/kg)	Remark
85	Gun metal	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	NA		
86	Silver metal with black coating	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	NA		
87	Silver metal with black coating	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	NA		
88	Copper metal	Pb	OL	Pb:31340	As declared by client, the material should be exempted for lead content requirement according to Annex clause 6(c).
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	NA		
89	Copper metal	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	NA		
90	White hard plastic	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	BL		

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No.	Sample description	Restricted substances	Results of EDXRF ⁽¹⁾	Results of Chemical Testing ⁽²⁾ (mg/kg)	Remark
91	Silver metal	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	NA		
92	Silver metal with black coating	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	NA		
93	Silver metal with black coating	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	NA		
94	Silver metal with black coating	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	NA		
95	Transparent hard plastic	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	BL		
96	Silver metal with black coating	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	NA		

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No.	Sample description	Restricted substances	Results of EDXRF ⁽¹⁾	Results of Chemical Testing ⁽²⁾ (mg/kg)	Remark
97	White hard plastic	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	BL		
98	Silver metal	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	NA		
99	Silver metal	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	NA		
100	Silver metal	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	NA		
101	Silver metal	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	NA		
102	Label	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	BL		

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No.	Sample description	Restricted substances	Results of EDXRF ⁽¹⁾	Results of Chemical Testing ⁽²⁾ (mg/kg)	Remark
103	Silver metal	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	NA		
104	Transparent hard plastic	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	BL		
105	Silver metal	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	NA		
106	Silver metal	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	NA		
107	White hard plastic	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	BL		
108	Black soft plastic with silver printing	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	BL		

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No.	Sample description	Restricted substances	Results of EDXRF ⁽¹⁾	Results of Chemical Testing ⁽²⁾ (mg/kg)	Remark
109	SMD capacitor	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	BL		
110	SMD resistor	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	BL		
111	SMD triode	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	BL		
112	SMD IC	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	BL		
113	Silver metal	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	NA		
114	Green PCB	Pb	BL	PBBs:ND PBDEs:ND	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	X		

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No.	Sample description	Restricted substances	Results of EDXRF ⁽¹⁾	Results of Chemical Testing ⁽²⁾ (mg/kg)	Remark
115	SMD diode	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	BL		
116	Grey soft plastic	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	BL		
117	Black soft plastic	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	BL		
118	Silver metal	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	NA		
119	Black solid	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	BL		
120	Silver metal	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	NA		

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No.	Sample description	Restricted substances	Results of EDXRF ⁽¹⁾	Results of Chemical Testing ⁽²⁾ (mg/kg)	Remark
121	Copper metal	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	NA		
122	Black solid	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	BL		
123	Black solid with brown printing	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	BL		
124	Copper metal	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	NA		
125	Copper metal	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	NA		
126	Brown solid with black printing	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	BL		

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No.	Sample description	Restricted substances	Results of EDXRF ⁽¹⁾	Results of Chemical Testing ⁽²⁾ (mg/kg)	Remark
127	Black hard plastic	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	BL		
128	Beige hard plastic	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	BL		
129	Green solid	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	BL		
130	Blue solid with black printing	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	BL		
131	Blue solid with black printing	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	BL		
132	Beige hard plastic	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	BL		

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No.	Sample description	Restricted substances	Results of EDXRF ⁽¹⁾	Results of Chemical Testing ⁽²⁾ (mg/kg)	Remark
133	Silver metal	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	NA		
134	Silver foil	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	NA		
135	Label	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	BL		
136	Green solid	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	BL		
137	Yellow hard plastic with grey printng	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	BL		
138	Brown hard plastic	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	BL		

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No.	Sample description	Restricted substances	Results of EDXRF ⁽¹⁾	Results of Chemical Testing ⁽²⁾ (mg/kg)	Remark
139	Black hard plastic	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	BL		
140	Silver metal	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	NA		
141	Silver metal	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	NA		
142	Green solid	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	BL		
143	Copper metal	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	NA		
144	Red metal	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	NA		

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No.	Sample description	Restricted substances	Results of EDXRF ⁽¹⁾	Results of Chemical Testing ⁽²⁾ (mg/kg)	Remark
145	Green soft plastic with silver printing	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	BL		
146	Purple soft plastic with silver printing	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	BL		
147	Silver metal	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	NA		
148	Silver metal	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	NA		
149	White soft plastic	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	BL		
150	Label	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	BL		

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No.	Sample description	Restricted substances	Results of EDXRF ⁽¹⁾	Results of Chemical Testing ⁽²⁾ (mg/kg)	Remark
151	Black soft plastic with silver printing	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	BL		
152	Label	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	BL		
153	Yellow soft plastic	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	BL		
154	Black solid with silver coating	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	BL		
155	Silver metal	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	NA		
156	Black solid	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	BL		

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No.	Sample description	Restricted substances	Results of EDXRF ⁽¹⁾	Results of Chemical Testing ⁽²⁾ (mg/kg)	Remark
157	Black hard plastic	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	BL		
158	Copper metal	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	NA		
159	Copper metal	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	NA		
160	Silver metal	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	NA		
161	Silver metal with black coating	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	NA		
162	Transparent hard plastic with black coating/silver printing	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	BL		

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No.	Sample description	Restricted substances	Results of EDXRF ⁽¹⁾	Results of Chemical Testing ⁽²⁾ (mg/kg)	Remark
163	Silver metal with black coating	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	NA		
164	Silver metal with black coating	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	NA		
165	White hard plastic	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	BL		
166	Copper metal	Pb	OL	Pb:25777	As declared by client, the material should be exempted for lead content requirement according to Annex clause 6(c).
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	NA		
167	Silver metal with black coating	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	NA		
168	Silver metal with black coating	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	NA		

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No.	Sample description	Restricted substances	Results of EDXRF ⁽¹⁾	Results of Chemical Testing ⁽²⁾ (mg/kg)	Remark
169	White hard plastic	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	BL		
170	Black soft plastic with silver printing	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	BL		
171	Silver metal	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	NA		
172	Black soft plastic with silver printing	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	BL		
173	Yellow hard plastic with grey printing	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	BL		
174	Black soft plastic	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	BL		

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No.	Sample description	Restricted substances	Results of EDXRF ⁽¹⁾	Results of Chemical Testing ⁽²⁾ (mg/kg)	Remark
175	White soft plastic with silver printing	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	BL		
176	Silver metal	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	NA		
177	Silver metal	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	NA		
178	White hard plastic	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	BL		
179	Copper metal	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	NA		
180	Black hard plastic	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	BL		

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No.	Sample description	Restricted substances	Results of EDXRF ⁽¹⁾	Results of Chemical Testing ⁽²⁾ (mg/kg)	Remark
181	Black hard plastic	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	BL		
182	Transparent hard plastic	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	BL		
183	Red soft plastic	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	BL		
184	Black soft plastic with silver printing	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	BL		
185	Silver metal	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	NA		
186	Orange hard plastic with black printing	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	BL		

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No.	Sample description	Restricted substances	Results of EDXRF ⁽¹⁾	Results of Chemical Testing ⁽²⁾ (mg/kg)	Remark
187	Silver metal	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	NA		
188	Silver metal	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	NA		
189	Yellow/green soft plastic with grey printing	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	BL		
190	Red soft plastic	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	BL		
191	Blue soft plastic	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	BL		
192	Silver metal	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	NA		

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No.	Sample description	Restricted substances	Results of EDXRF ⁽¹⁾	Results of Chemical Testing ⁽²⁾ (mg/kg)	Remark
193	Silver metal	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	NA		
194	Red soft plastic with silver printing	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	BL		
195	Red soft plastic with silver printing	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	BL		
196	Silver metal	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	NA		
197	White hard plastic	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	BL		
198	Blue soft plastic with silver printing	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	BL		

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No.	Sample description	Restricted substances	Results of EDXRF ⁽¹⁾	Results of Chemical Testing ⁽²⁾ (mg/kg)	Remark
199	Yellow/green soft plastic with grey printing	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	BL		
200	White hard plastic	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	BL		
201	Black hard plastic	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	BL		
202	Silver metal	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	NA		
203	Blue hard plastic	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	BL		
204	Black hard plastic	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	BL		

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No.	Sample description	Restricted substances	Results of EDXRF ⁽¹⁾	Results of Chemical Testing ⁽²⁾ (mg/kg)	Remark
205	Silver metal	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	NA		
206	Black hard plastic	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	BL		
207	Copper metal	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	NA		
208	Silver metal	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	NA		
209	Silver metal	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	NA		
210	Copper metal	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	NA		

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No.	Sample description	Restricted substances	Results of EDXRF ⁽¹⁾	Results of Chemical Testing ⁽²⁾ (mg/kg)	Remark
211	Silver metal	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	NA		
212	Silver metal	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	NA		
213	White hard plastic	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	BL		
214	Green PCB	Pb	BL	PBBs:ND PBDEs:ND	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	X		
215	Beige hard plastic	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	BL		
216	Silver metal	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	NA		

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No.	Sample description	Restricted substances	Results of EDXRF ⁽¹⁾	Results of Chemical Testing ⁽²⁾ (mg/kg)	Remark
217	SMD capacitor	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	BL		
218	SMD diode	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	BL		
219	SMD crystal resonator	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	BL		
220	Green PCB	Pb	BL	PBBs:ND PBDEs:ND	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	X		
221	Silver metal	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	NA		
222	Silver metal	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	NA		

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No.	Sample description	Restricted substances	Results of EDXRF ⁽¹⁾	Results of Chemical Testing ⁽²⁾ (mg/kg)	Remark
223	White hard plastic	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	BL		
224	SMD IC	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	BL		
225	SMD resistor	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	BL		
226	Black hard plastic	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	BL		
227	Silver metal	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	NA		
228	White foam	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	BL		

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No.	Sample description	Restricted substances	Results of EDXRF ⁽¹⁾	Results of Chemical Testing ⁽²⁾ (mg/kg)	Remark
229	Silver metal	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	NA		
230	Black hard plastic	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	BL		
231	Copper metal	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	NA		
232	Silver metal	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	NA		
233	Black hard plastic	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	BL		
234	Grey soft plastic	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	BL		

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No.	Sample description	Restricted substances	Results of EDXRF ⁽¹⁾	Results of Chemical Testing ⁽²⁾ (mg/kg)	Remark
235	Black soft plastic	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	BL		
236	Transparent glass with black printing	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	BL		
237	Transparent glass with silver coating	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	BL		
238	Grey transparent hard plastic	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	BL		
239	Yellow electronic wire	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	BL		
240	Silver metal	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	NA		

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No.	Sample description	Restricted substances	Results of EDXRF ⁽¹⁾	Results of Chemical Testing ⁽²⁾ (mg/kg)	Remark
241	White hard plastic	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	BL		
242	Black soft plastic	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	BL		
243	Copper metal	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	NA		
244	Black soft plastic with silver printing	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	BL		
245	Grey hard plastic	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	BL		
246	Black solid	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	BL		

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No.	Sample description	Restricted substances	Results of EDXRF ⁽¹⁾	Results of Chemical Testing ⁽²⁾ (mg/kg)	Remark
247	Silver metal	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	NA		
248	White hard plastic	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	BL		
249	Red soft plastic with black printing	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	BL		
250	Copper metal	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	NA		
251	Black soft plastic with silver printing	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	BL		
252	Black soft plastic	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	BL		

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No.	Sample description	Restricted substances	Results of EDXRF ⁽¹⁾	Results of Chemical Testing ⁽²⁾ (mg/kg)	Remark
253	Blue soft plastic with black printing	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	BL		
254	Brown soft plastic with black printing	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	BL		
255	Green soft plastic with black printing	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	BL		
256	Yellow soft plastic with black printing	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	BL		
257	Orange soft plastic with black printing	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	BL		
258	Silver metal	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	NA		

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No.	Sample description	Restricted substances	Results of EDXRF ⁽¹⁾	Results of Chemical Testing ⁽²⁾ (mg/kg)	Remark
259	White hard plastic	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	BL		
260	Red soft plastic	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	BL		
261	Silver metal	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	NA		
262	Black soft plastic with silver printing	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	BL		
263	Black soft plastic with silver printing	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	BL		
264	Silver metal	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	NA		

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No.	Sample description	Restricted substances	Results of EDXRF ⁽¹⁾	Results of Chemical Testing ⁽²⁾ (mg/kg)	Remark
265	White hard plastic	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	BL		
266	Copper metal	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	NA		
267	Black soft plastic with silver printing	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	BL		
268	Blue hard plastic with black printing	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	BL		
269	Blue hard plastic	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	BL		
270	Silver metal	Pb	OL	Pb:19894	As declared by client, the material should be exempted for lead content requirement according to Annex clause 6(c).
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	NA		

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No.	Sample description	Restricted substances	Results of EDXRF ⁽¹⁾	Results of Chemical Testing ⁽²⁾ (mg/kg)	Remark
271	Silver metal	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	NA		
272	Silver metal with black coating	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	NA		
273	Yellow hard plastic	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	BL		
274	White hard plastic	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	BL		
275	Silver metal	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	NA		
276	Copper metal	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	NA		

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No.	Sample description	Restricted substances	Results of EDXRF ⁽¹⁾	Results of Chemical Testing ⁽²⁾ (mg/kg)	Remark
277	Brown soft plastic	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	BL		
278	Blue soft plastic	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	BL		
279	Yellow/green soft plastic	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	BL		
280	Black soft plastic	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	BL		
281	Silver metal	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	NA		
282	Silver metal	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	NA		

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No.	Sample description	Restricted substances	Results of EDXRF ⁽¹⁾	Results of Chemical Testing ⁽²⁾ (mg/kg)	Remark
283	Black hard plastic	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	BL		
284	Black hard plastic	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	BL		
285	Silver metal	Pb	BL	NA	Non comment
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	NA		
286	Silver metal	Pb	OL	Pb:24758	As declared by client, the material should be exempted for lead content requirement according to Annex clause 6(c).
		Cd	BL		
		Hg	BL		
		Cr	BL		
		Br	NA		

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Remark: (1) ① Results are obtained by XRF for primary screening, and further wet chemical testing by ICP-OES / AAS (for Cd, Pb, Hg), UV-VIS (for Cr(VI)) and GC/MS (for PBBs, PBDEs) is recommended to be performed, if an inconclusive result was found (as "X" in below table) (unit: mg/kg).

② OL = Over Limit, BL = Below Limit, X = Inconclusive, NA= Not Applicable.

③ The XRF screening test for RoHS elements – The reading may be different to the actual content in the sample be of non-uniformity composition.

Element	Polymer	Metal	Composite Materials
Cd	$BL \leq (70-3\sigma) < X < (130+3\sigma) \leq OL$	$BL \leq (70-3\sigma) < X < (130+3\sigma) \leq OL$	$LOD < X < (150+3\sigma) \leq OL$
Pb	$BL \leq (700-3\sigma) < X < (1300+3\sigma) \leq OL$	$BL \leq (700-3\sigma) < X < (1300+3\sigma) \leq OL$	$BL \leq (500-3\sigma) < X < (1500+3\sigma) \leq OL$
Hg	$BL \leq (700-3\sigma) < X < (1300+3\sigma) \leq OL$	$BL \leq (700-3\sigma) < X < (1300+3\sigma) \leq OL$	$BL \leq (500-3\sigma) < X < (1500+3\sigma) \leq OL$
Br	$BL \leq (300-3\sigma) < X$	NA	$BL \leq (250-3\sigma) < X$
Cr	$BL \leq (700-3\sigma) < X$	$BL \leq (700-3\sigma) < X$	$BL \leq (500-3\sigma) < X$

(2) ① mg/kg = ppm = 0.0001%, ND = Not Detected (Less than reporting limit value.).

② Unit, Reporting Limit (RL) and Requirement limit in wet chemical test.

Test items	Pb	Cd	Hg	Cr ⁶⁺ (Non-metal)	Cr ⁶⁺ (metal)	PBBs(single)	PBDEs(single)
Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
RL	2	2	2	2	2	5	5
Requirement Limit	1000	100	1000	1000	Negative	1000	1000

③ According to IEC 62321:2008 & IEC 62321-7-1:2015, result on Cr⁶⁺ for metal sample is shown as Positive/Negative.

Negative = Absence of Cr⁶⁺ coating, Positive = Presence of Cr⁶⁺ coating.

Storage condition and production date of the tested sample are unavailable and thus results of Cr⁶⁺ represent status of the sample at the time of testing.

④ According to IEC 62321-3-1:2013, this column represents the results of wet chem test. And "NA" means no need to perform wet chem test, when the XRF screening results are qualified.

Declaration: Report ED170213035CEV1 was repealed and replaced by Report ED170213035CEV2.

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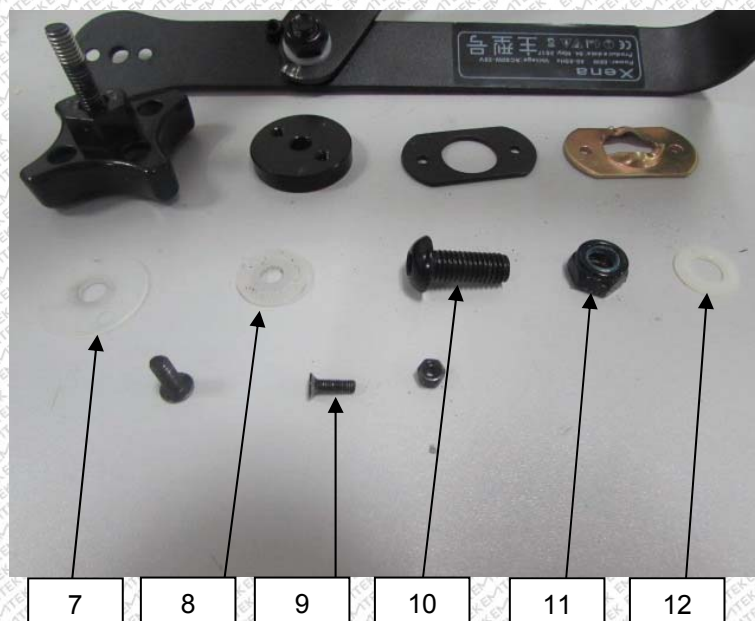
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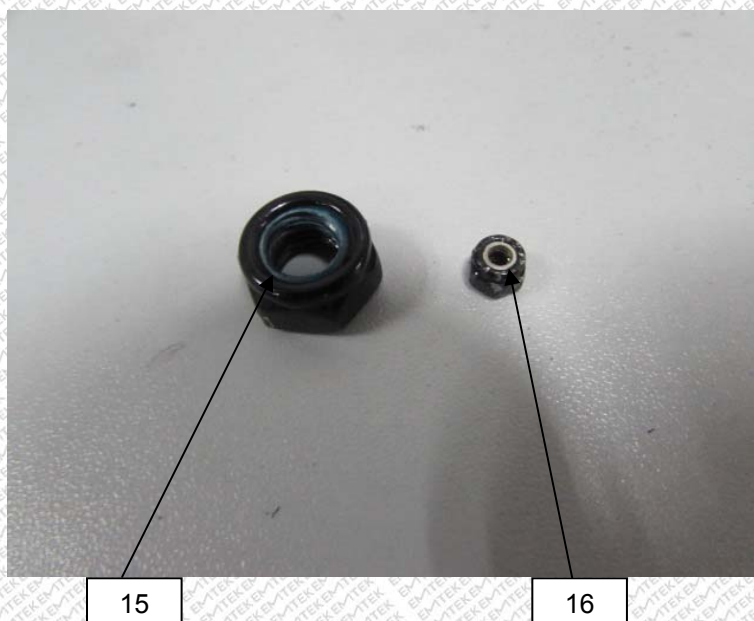
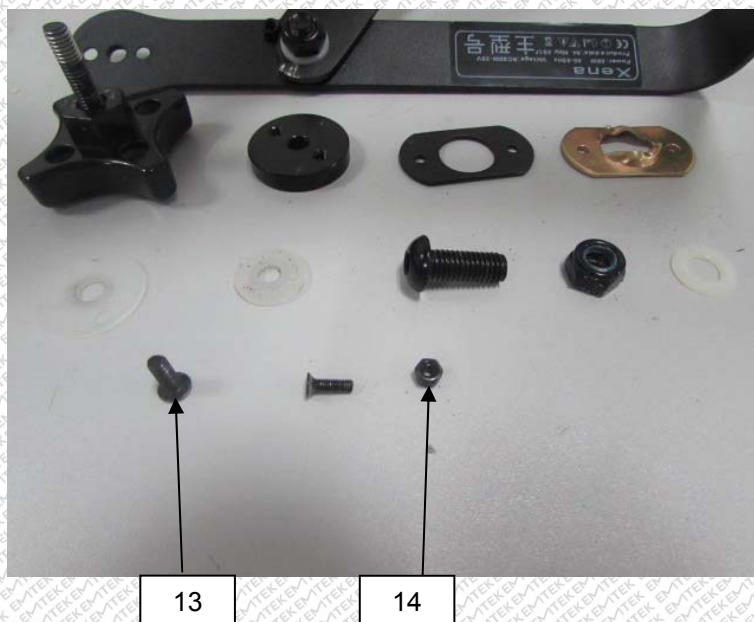
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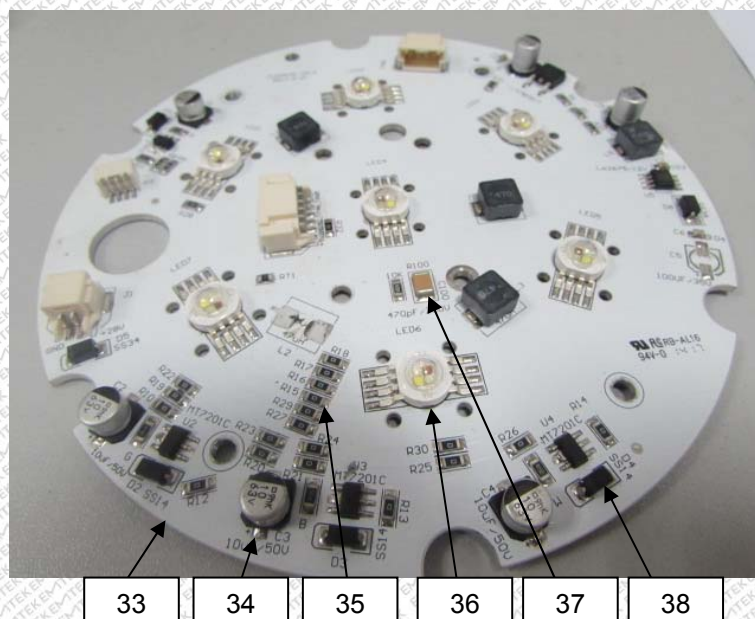
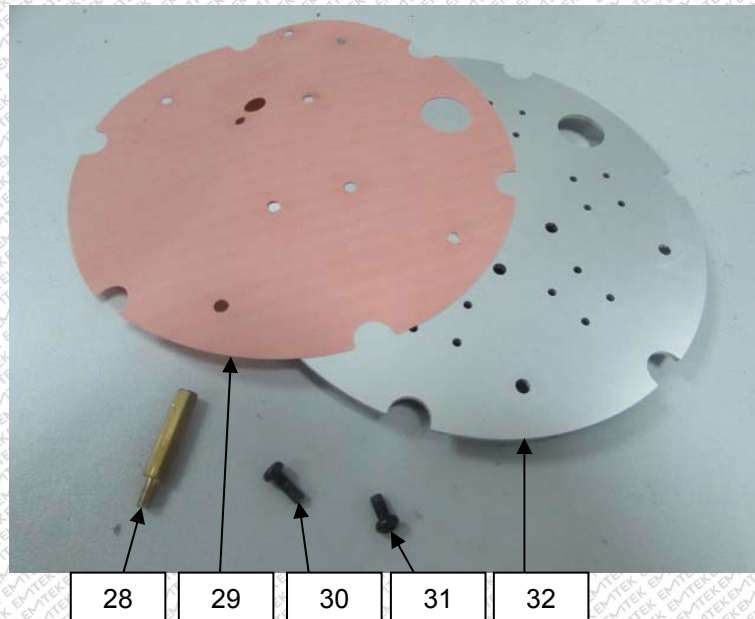
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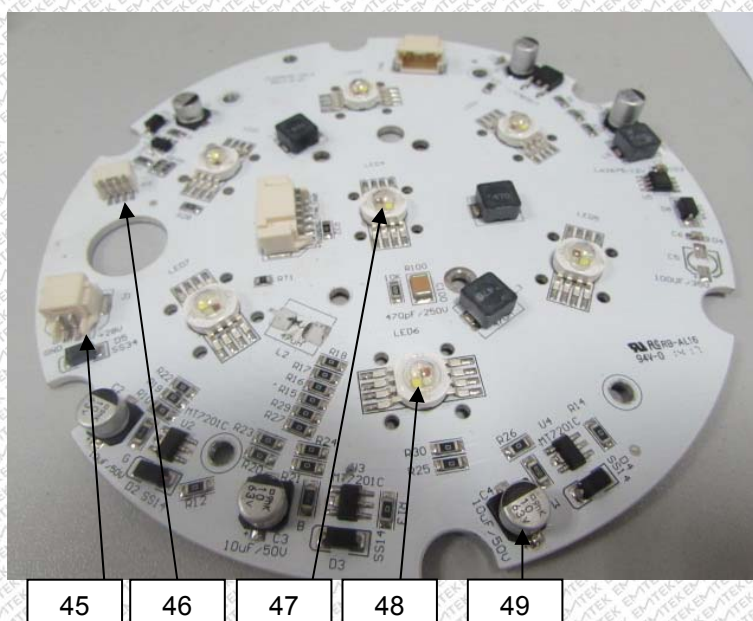
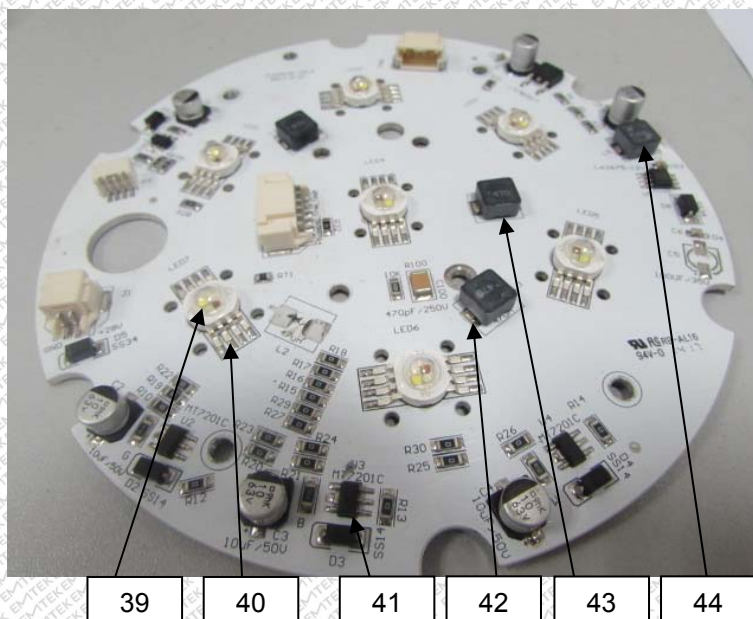
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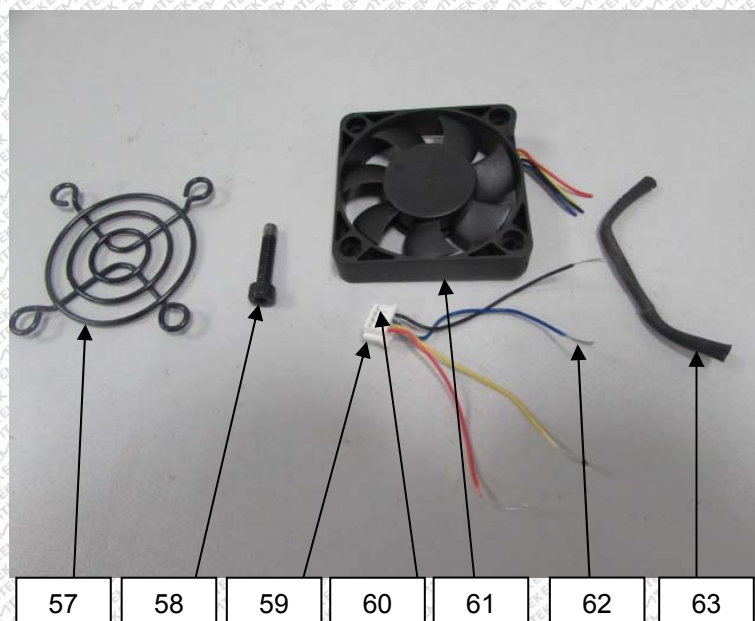
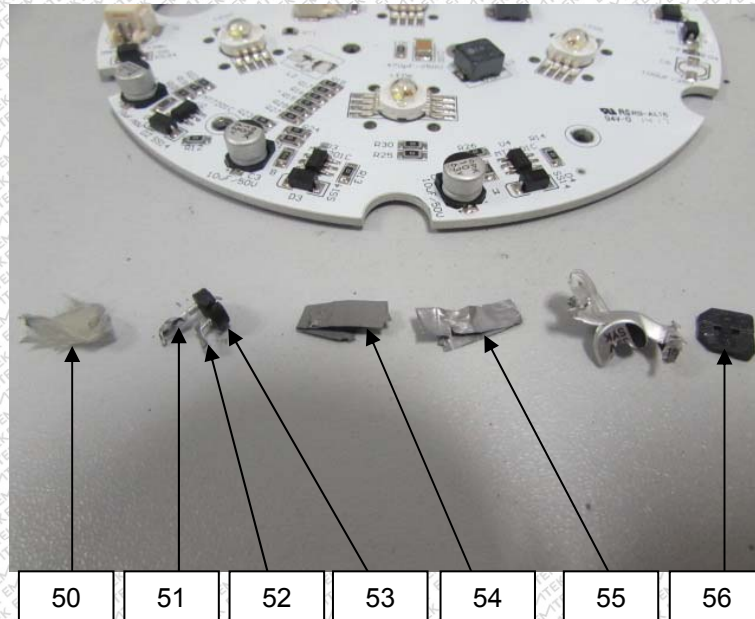
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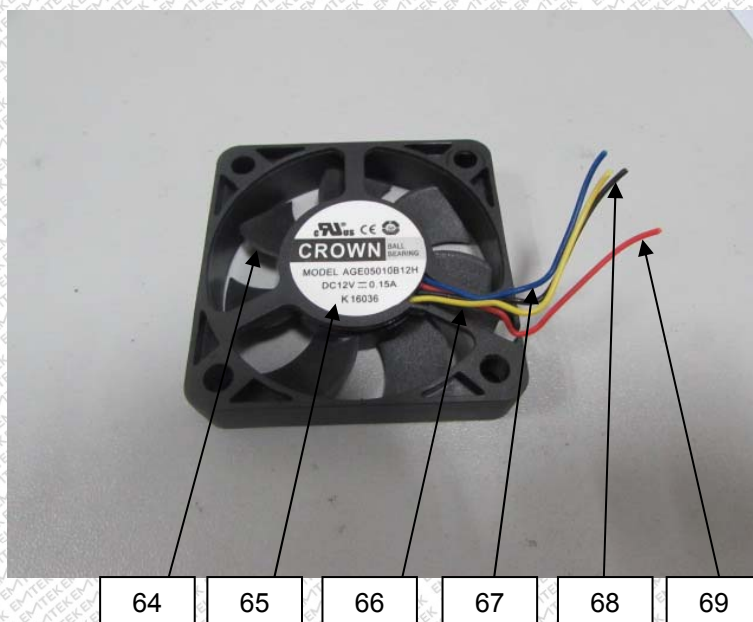
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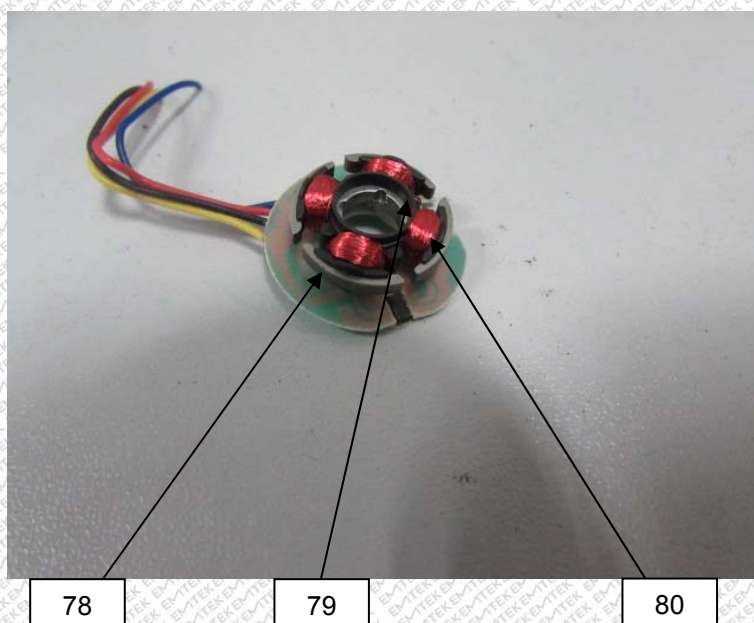
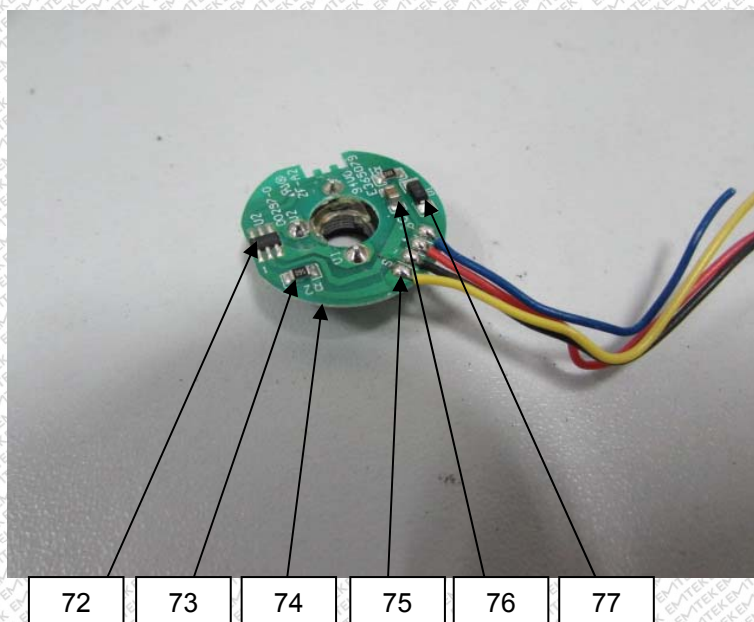
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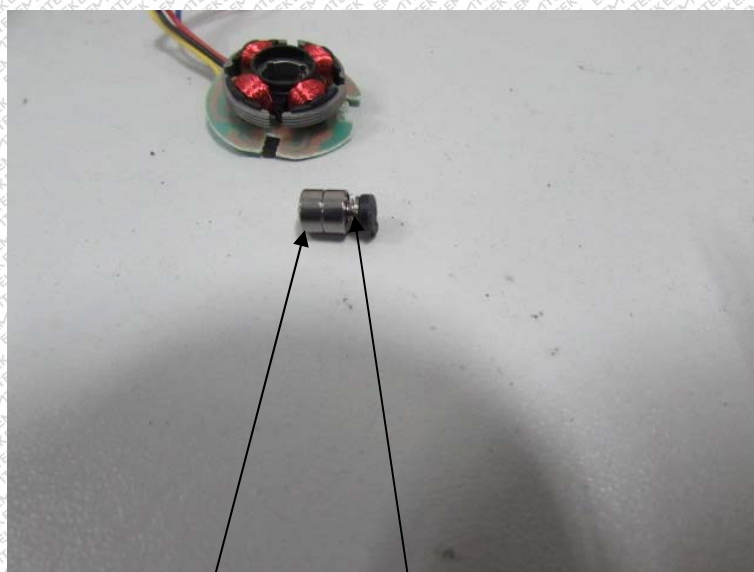
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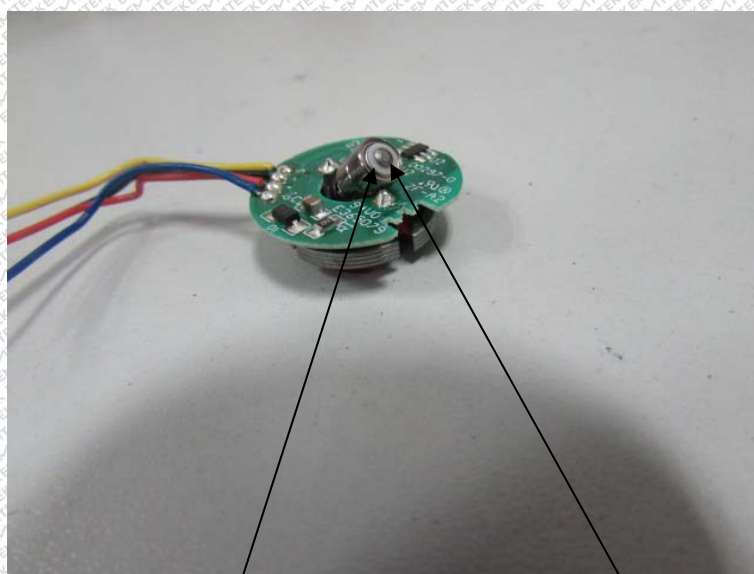
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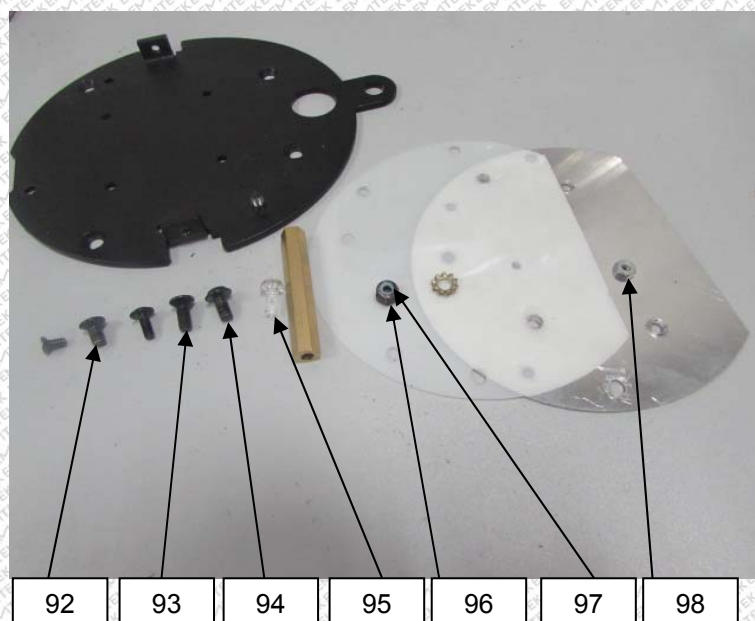
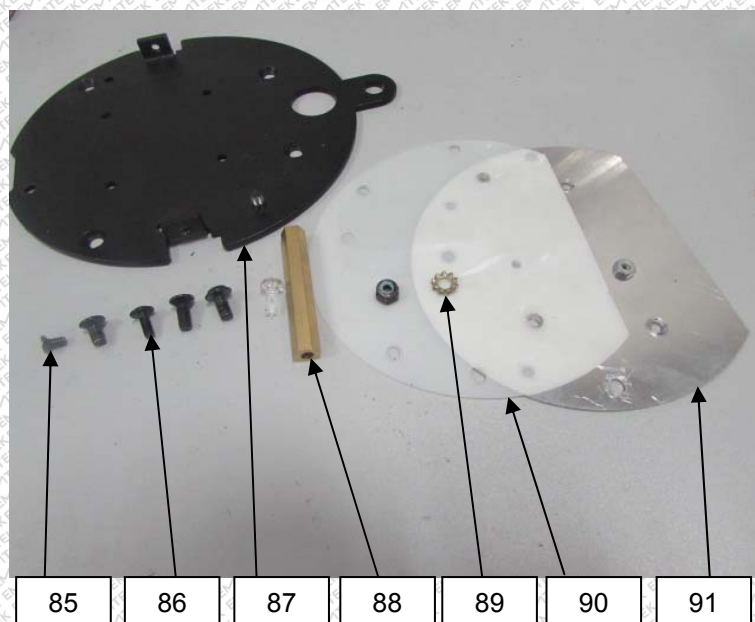
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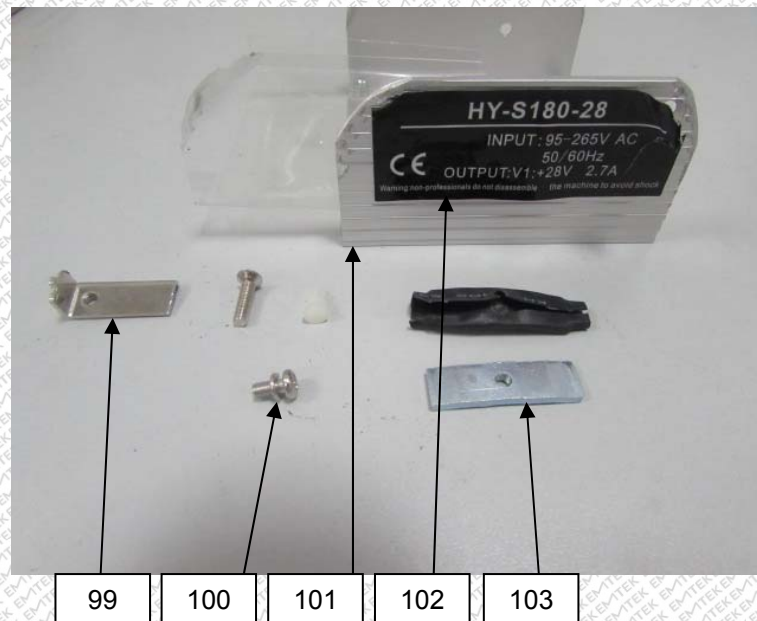
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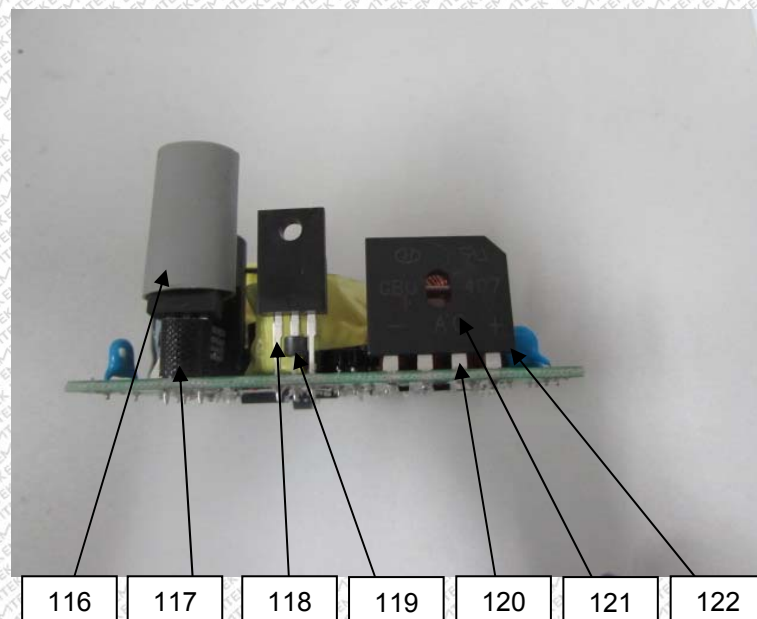
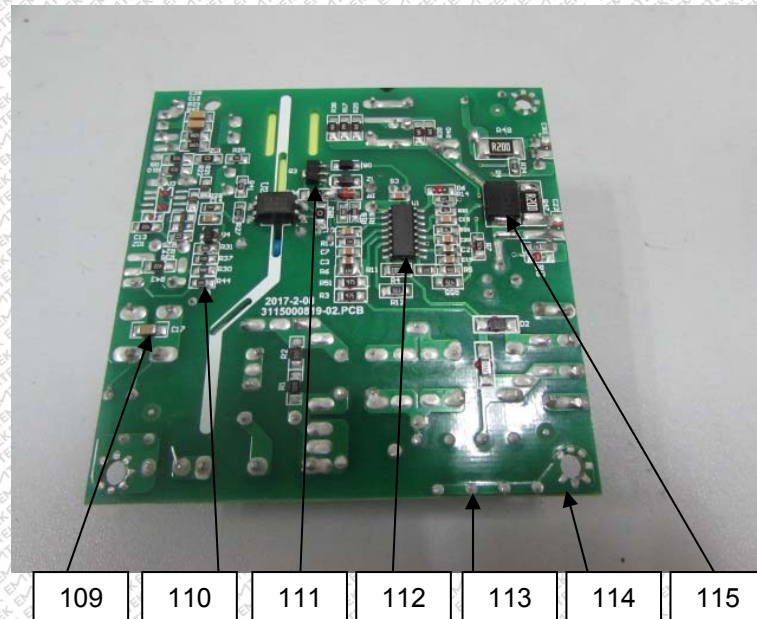
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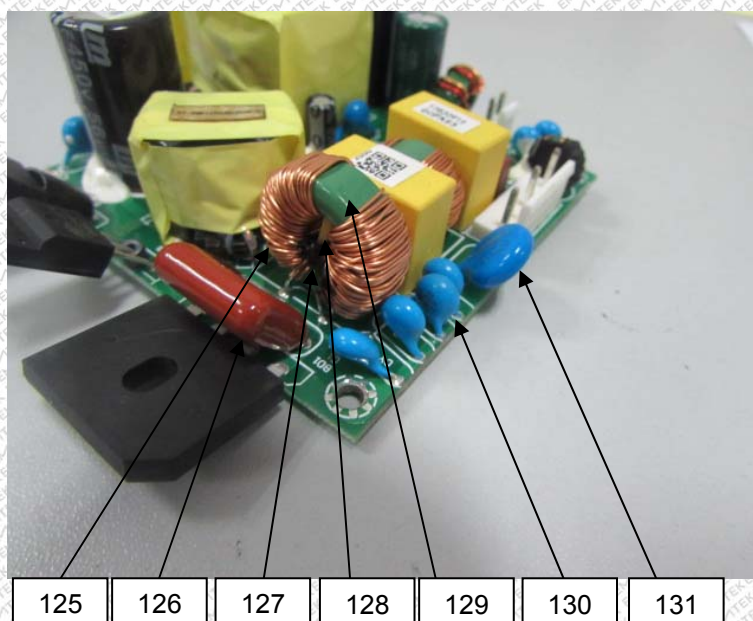
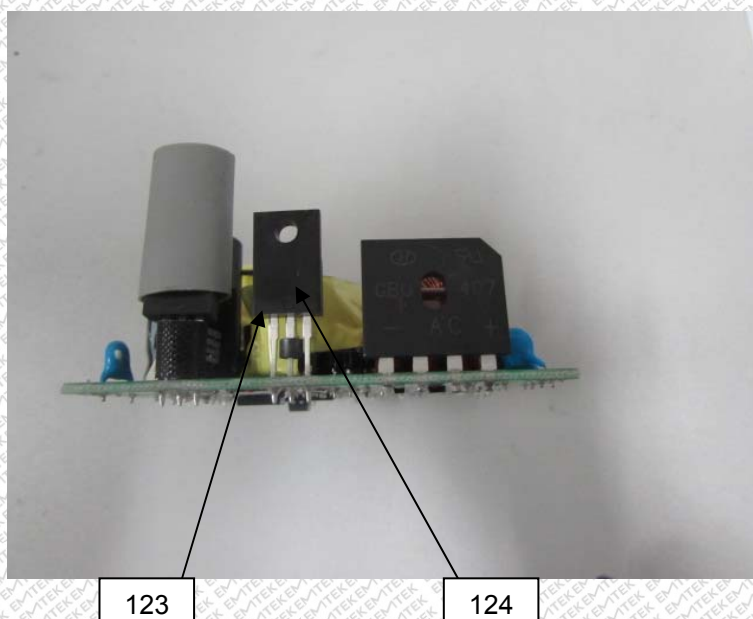
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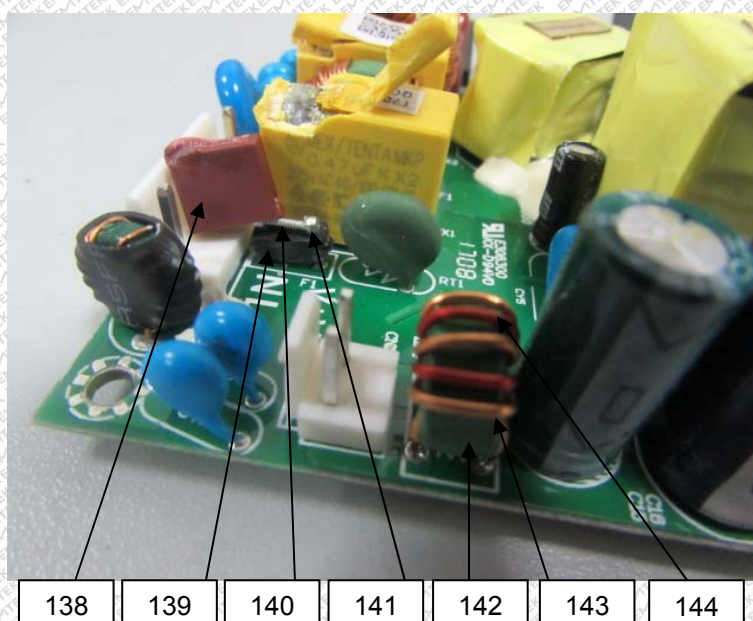
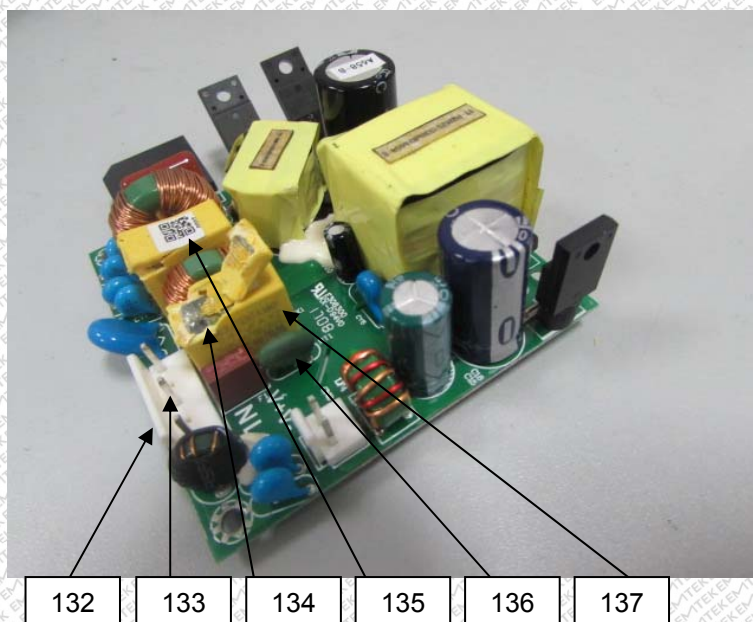
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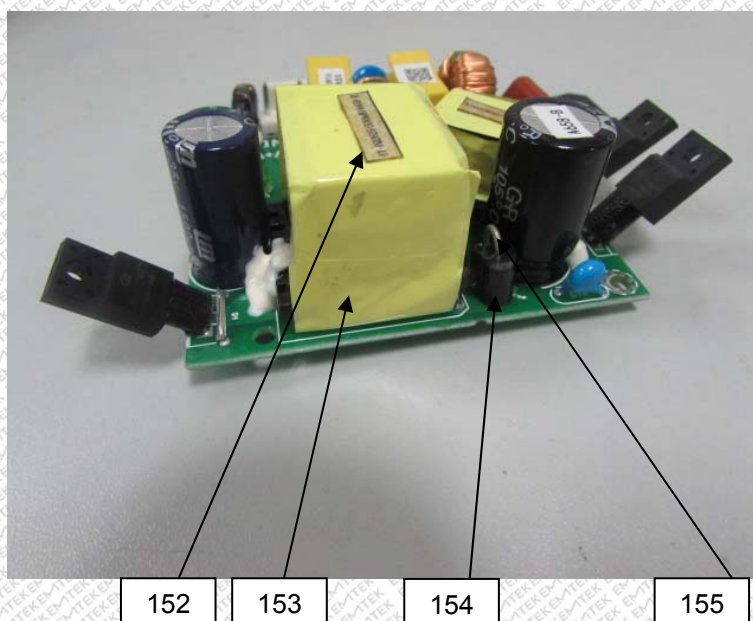
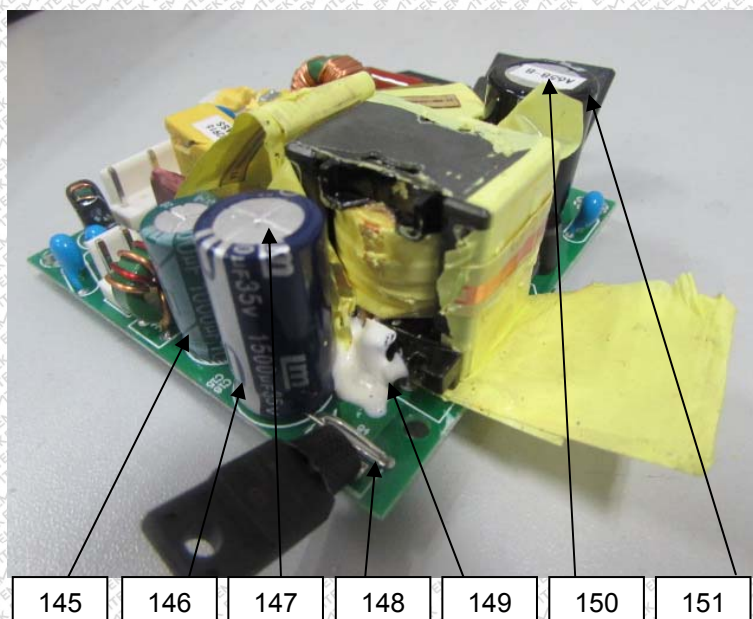
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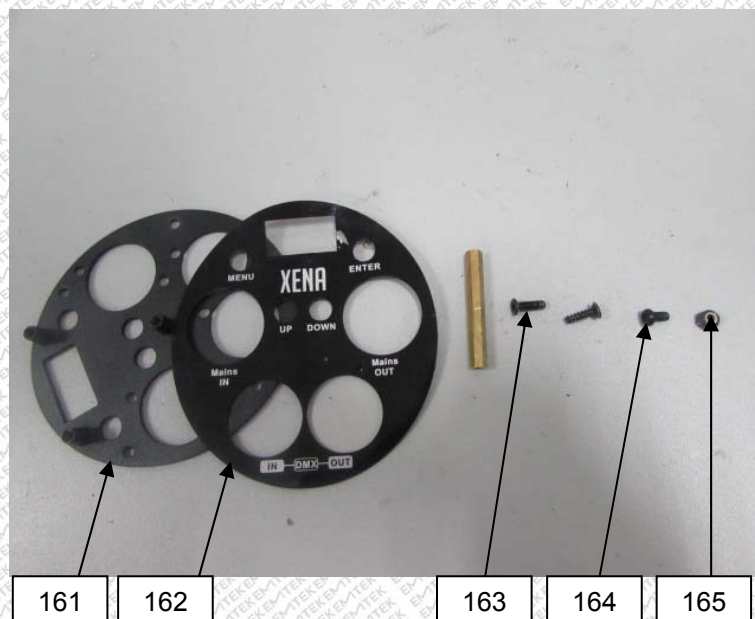
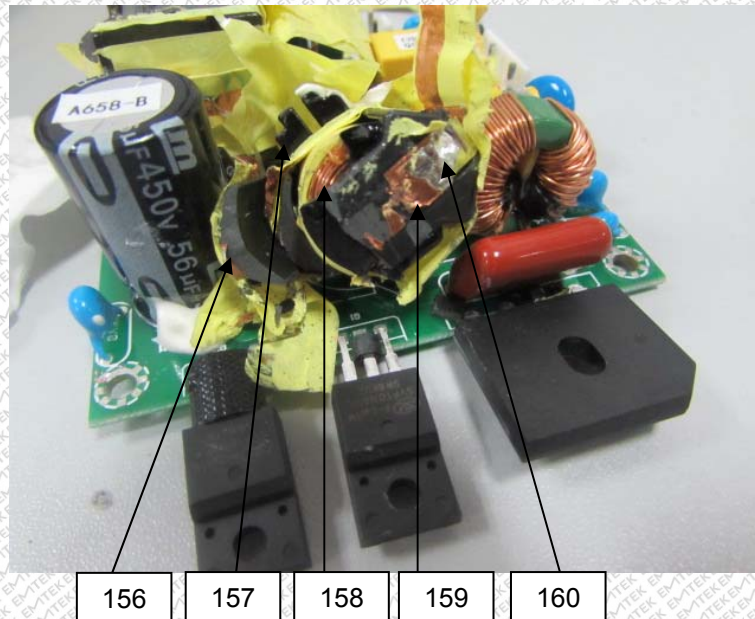
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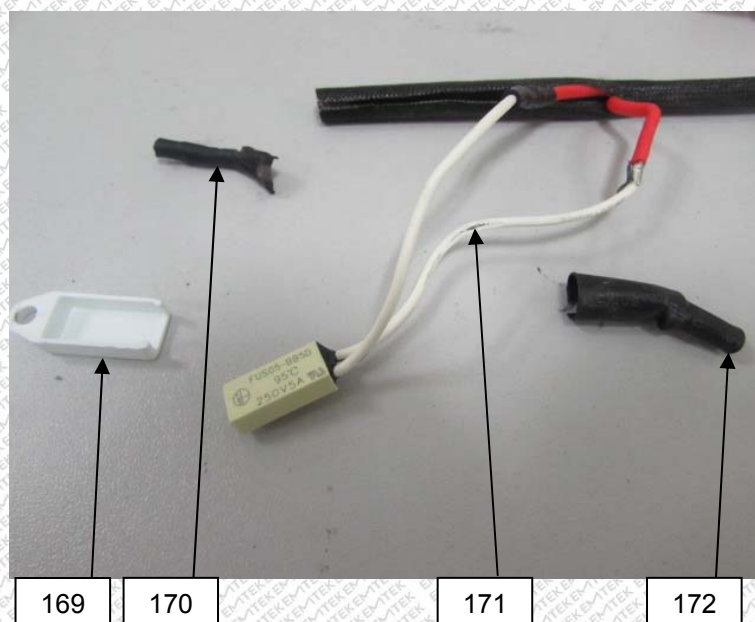
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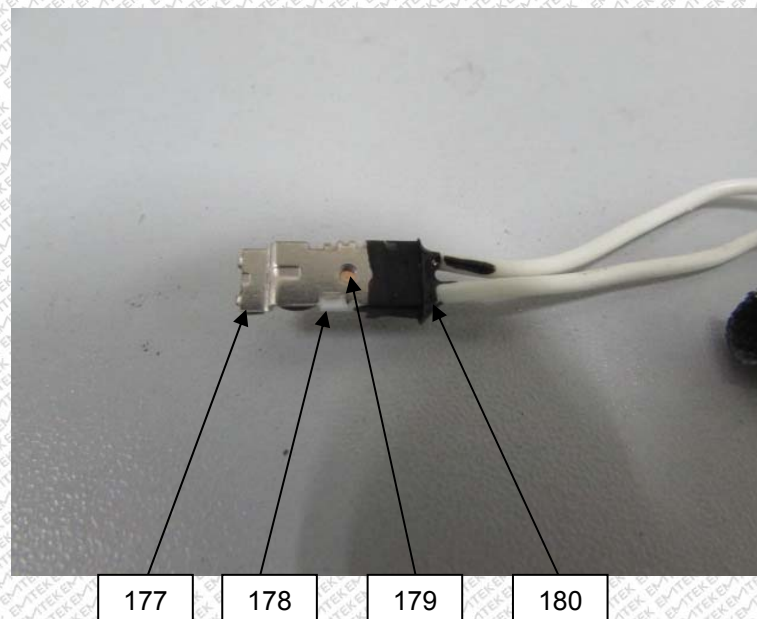
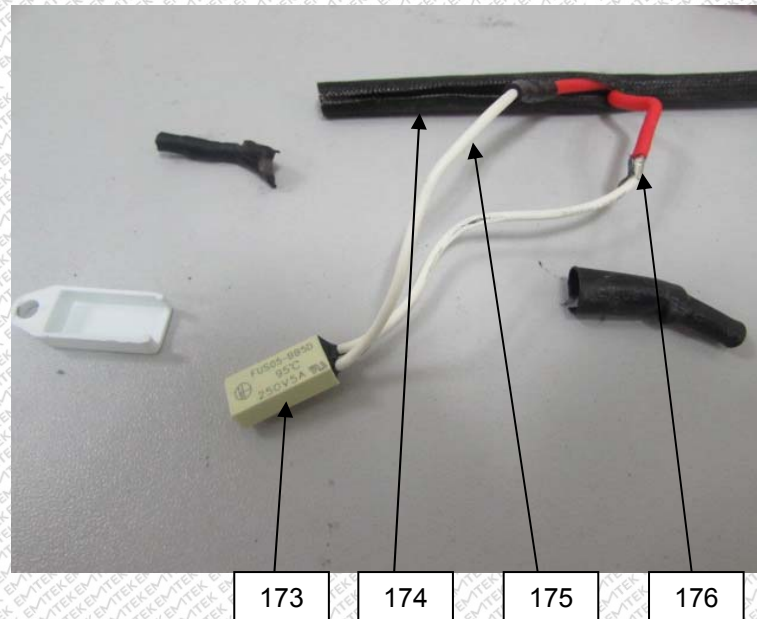
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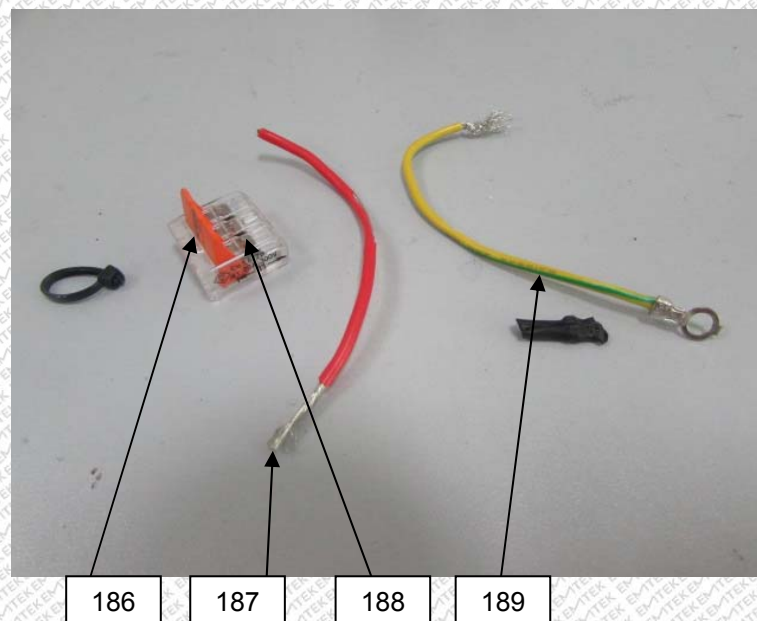
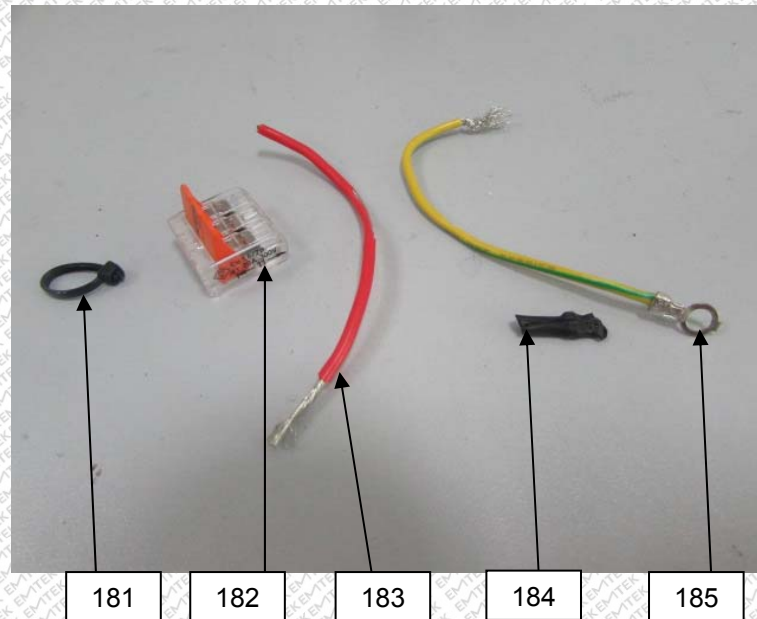
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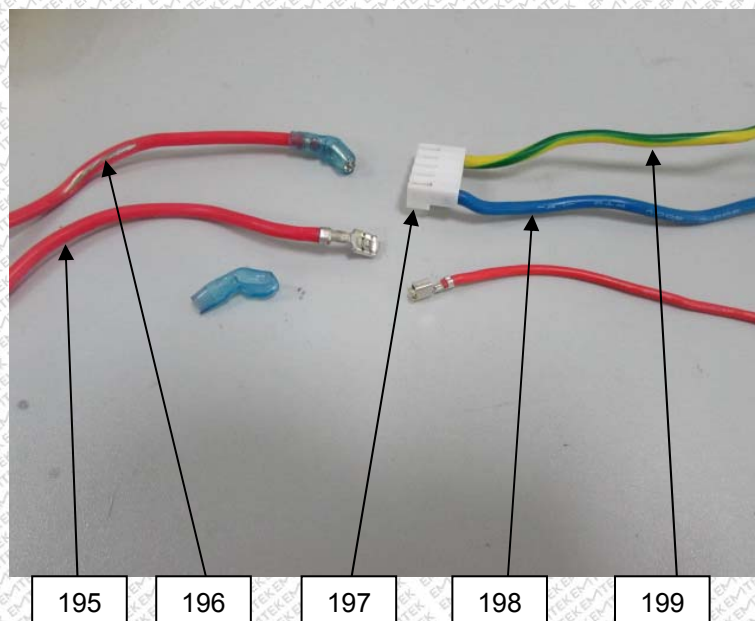
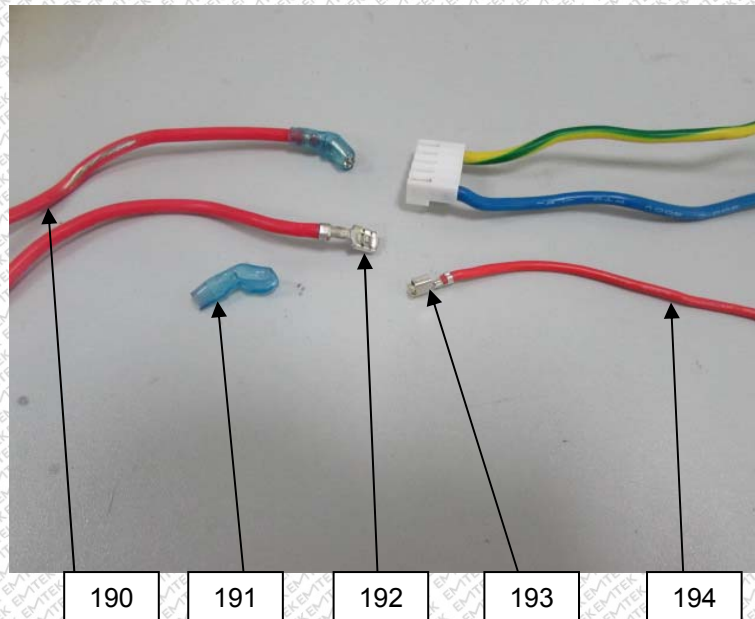
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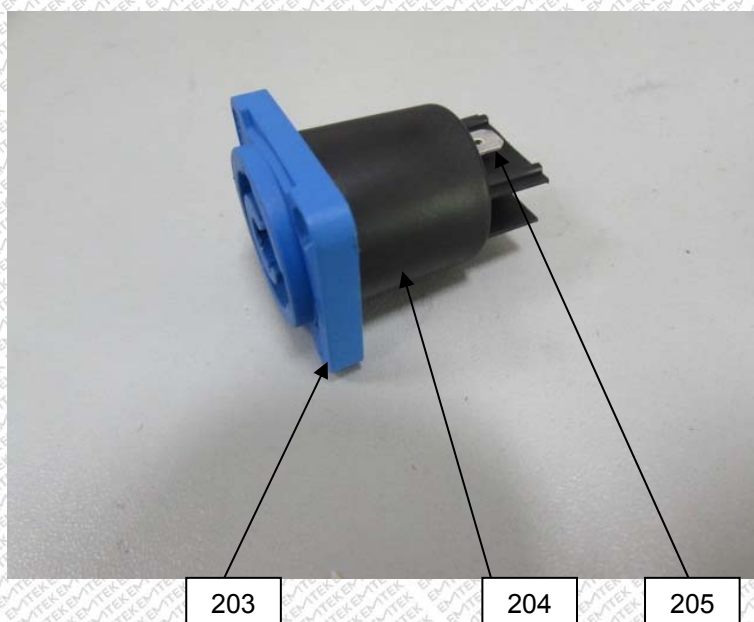
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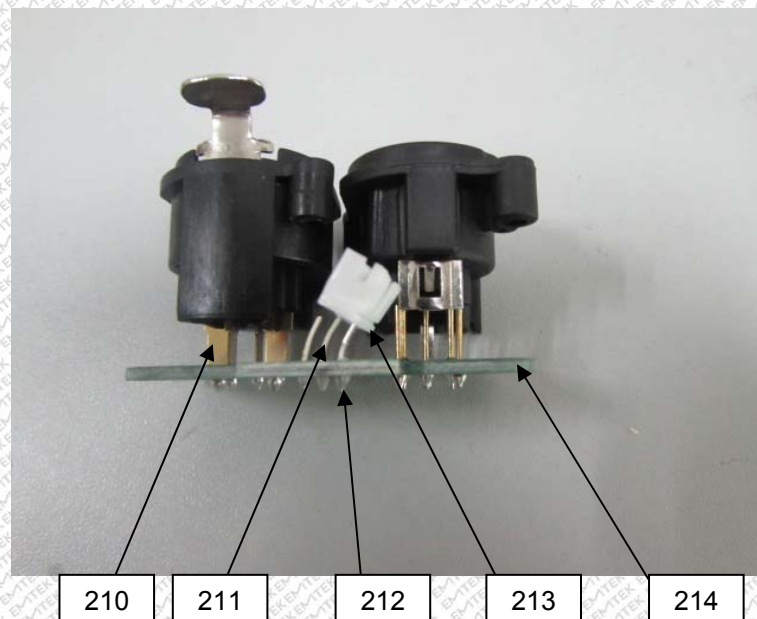
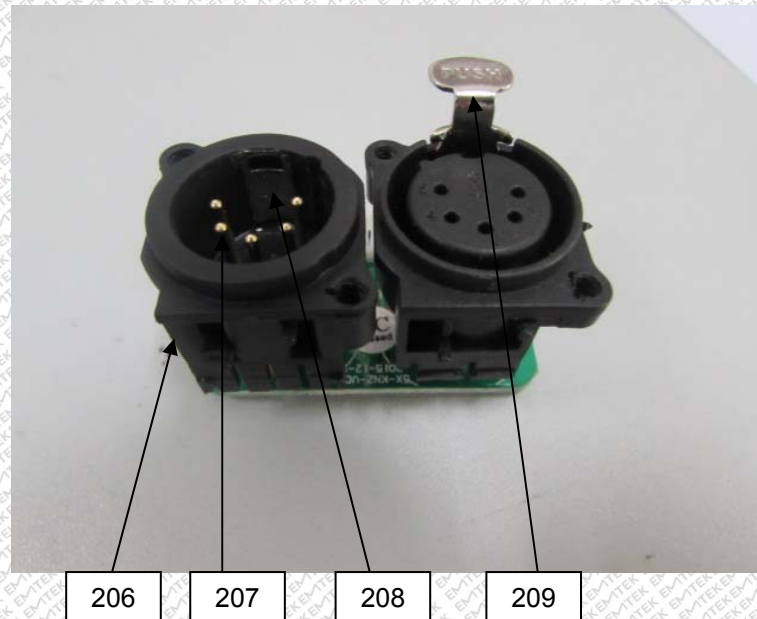
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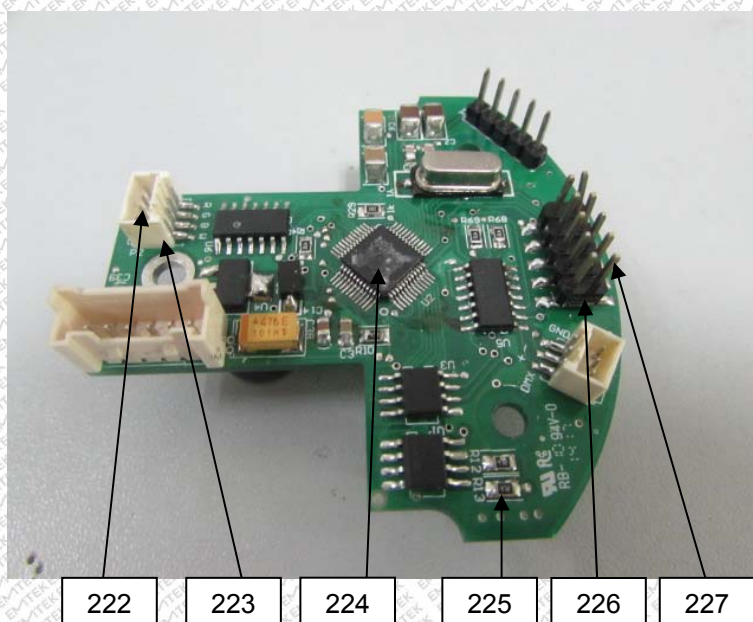
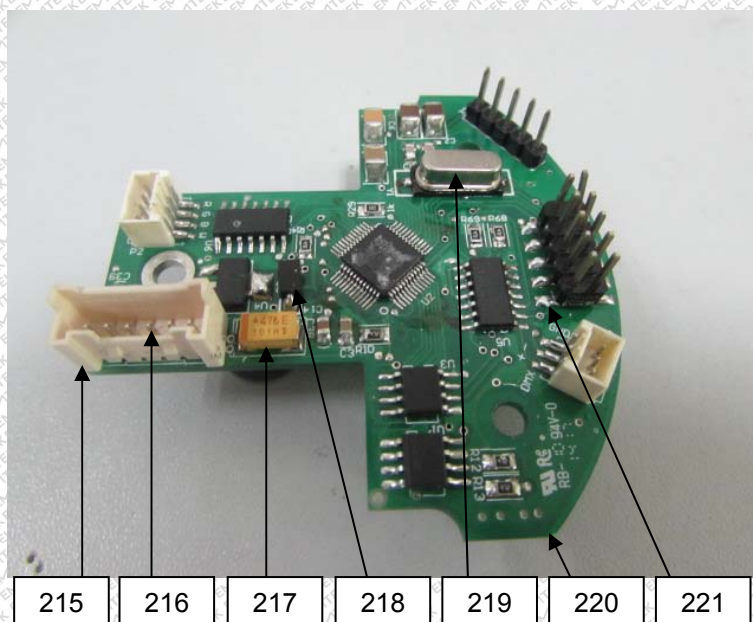
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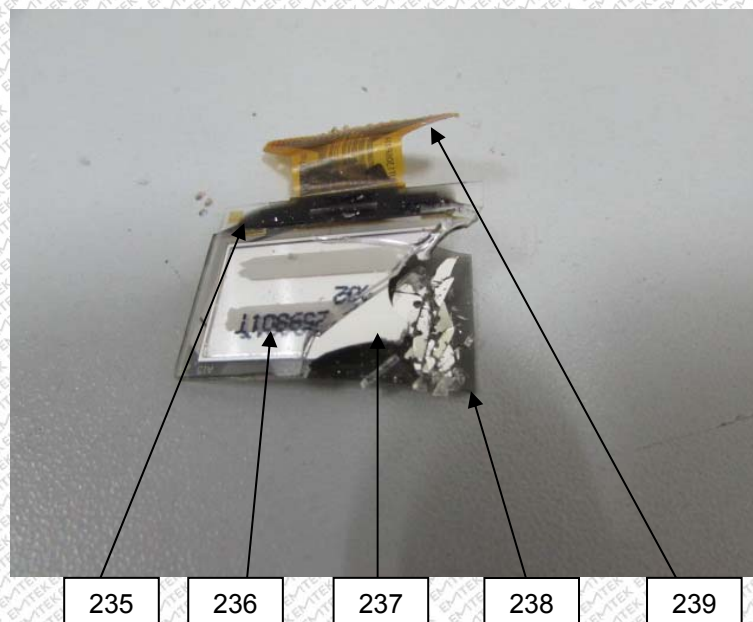
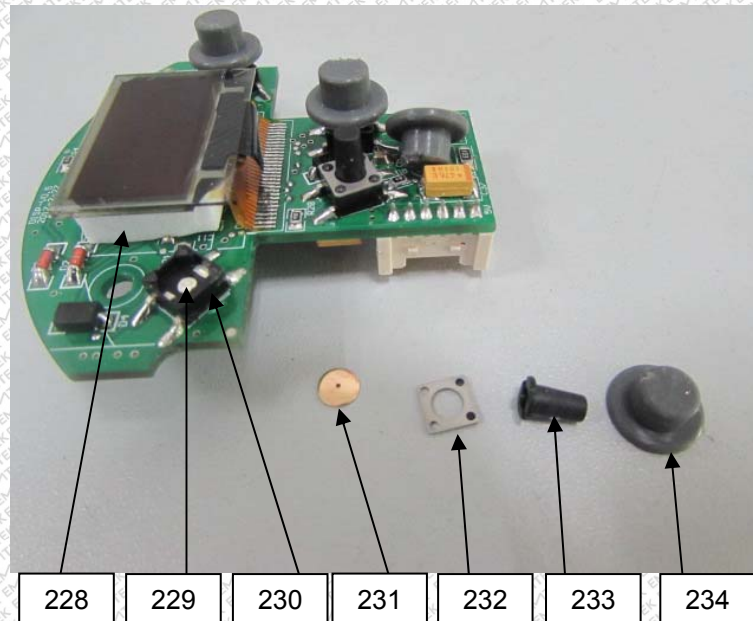
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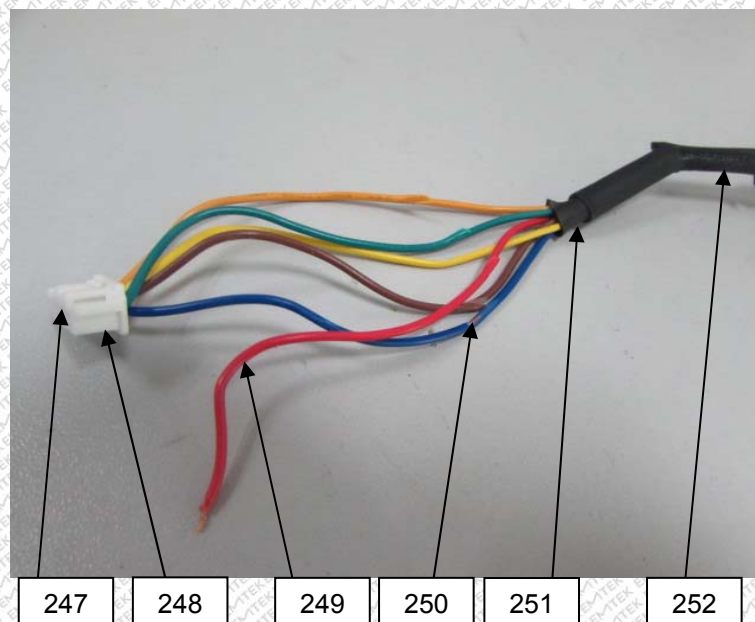
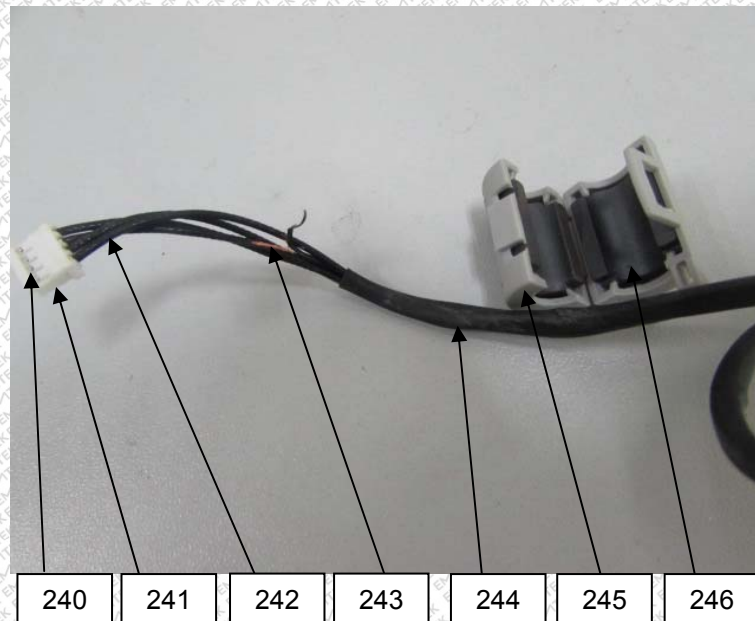
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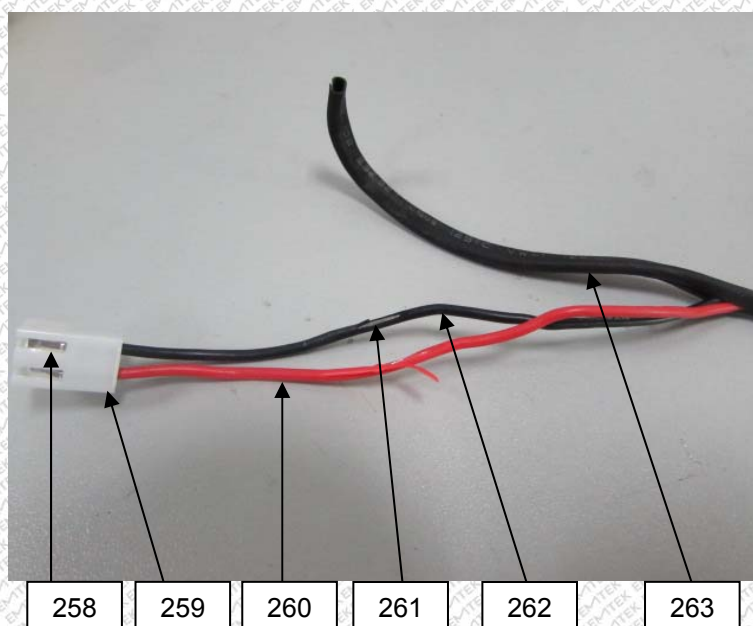
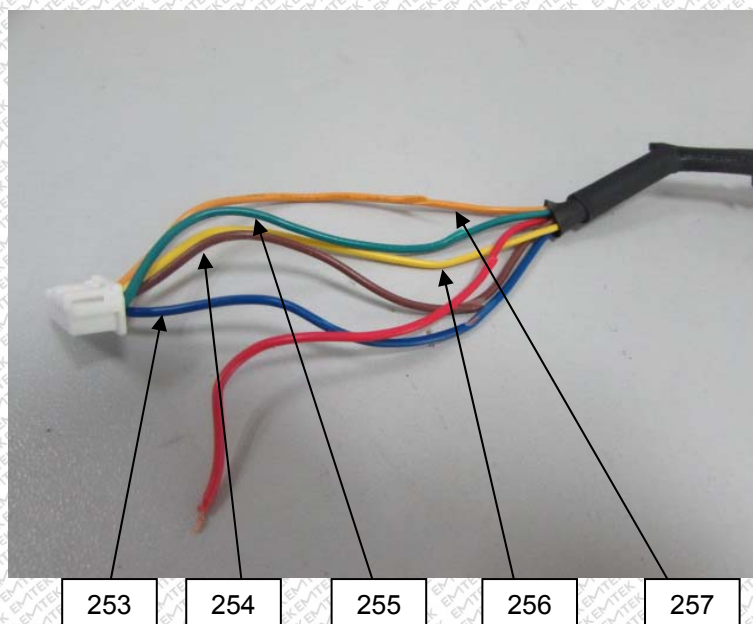
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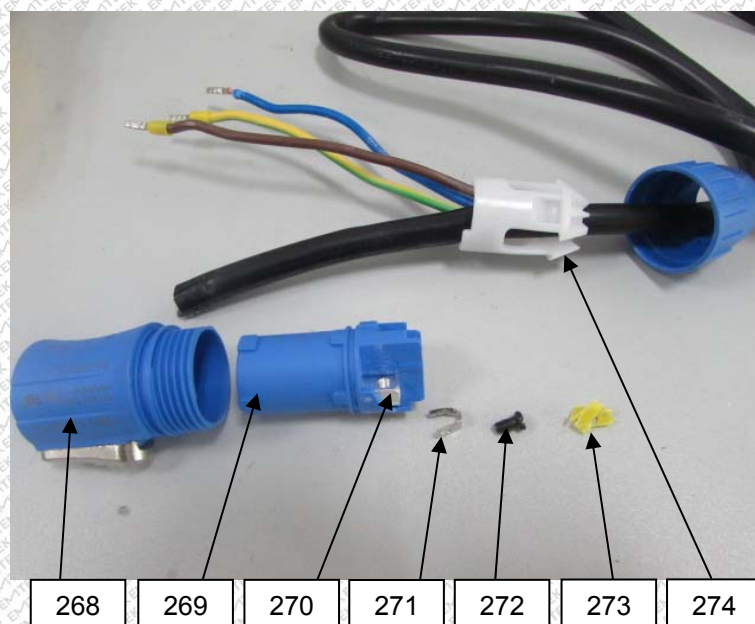
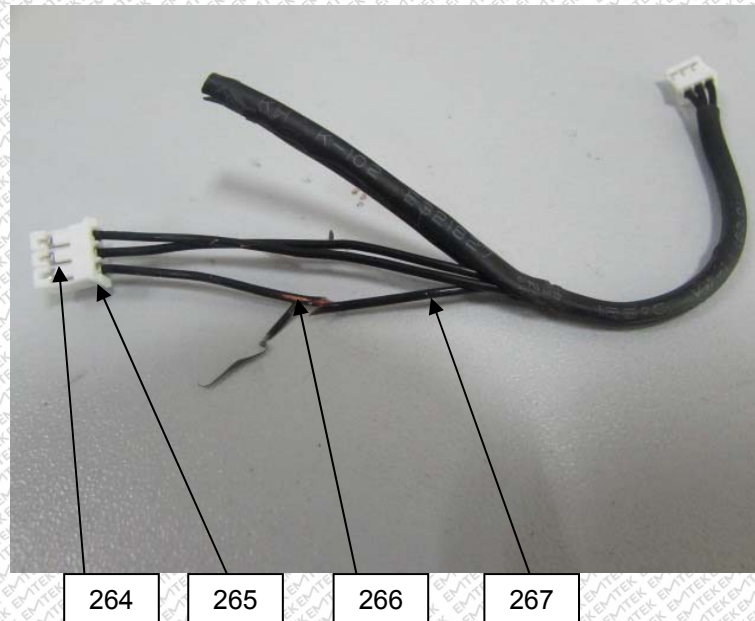
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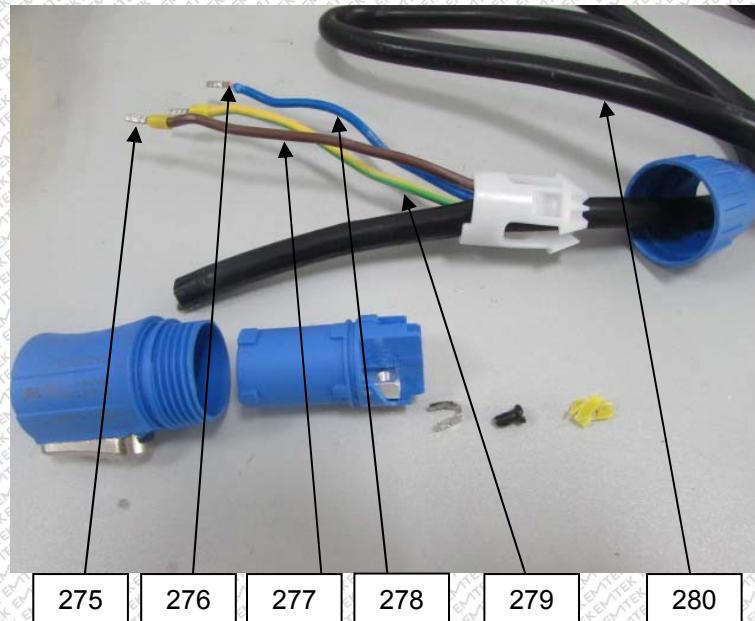
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* * * * * The End * * * * *

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EXEMPTION LIST

- 1 Mercury in single capped (compact) fluorescent lamps not exceeding (per burner):
 - 1(a) For general lighting purposes < 30W: 5mg (expires on 31 December 2011; 3.5mg may be used per burner after 31 December 2011 until 31 December 2012; 2.5mg shall be used per burner after 31 December 2012)
 - 1(b) For general lighting purposes \geq 30W and <50W: 5mg (expires on 31 December 2011; 3.5mg may be used per burner after 31 December 2011)
 - 1(c) For general lighting purposes \geq 50W and <150W: 5mg
 - 1(d) For general lighting purposes \geq 150W: 15mg
 - 1(e) For general lighting purposes with circular or square structural shape and tube diameter \leq 17mm (no limitation of use until 31 December 2011; 7mg may be used per burner after 31 December 2011)
 - 1(f) For special purposes: 5mg
 - 1(g) For general lighting purposes < 30 W with a lifetime equal or above 20 000 h: 3,5 mg (Expires on 31 December 2017)
- 2(a) Mercury in double-capped linear fluorescent lamps for general lighting purposes not exceeding (per lamp):
 - 2(a)(1) Tri-band phosphor with normal lifetime and a tube diameter < 9mm (e.g. T2): 5mg (expires on 31 December 2011; 4mg may be used per lamp after 31 December 2011)
 - 2(a)(2) Tri-band phosphor with normal lifetime and a tube diameter \geq 9mm and \leq 17mm (e.g. T5): 5mg (expires on 31 December 2011; 3mg may be used per lamp after 31 December 2011)
 - 2(a)(3) Tri-band phosphor with normal lifetime and a tube diameter > 17mm and \leq 28mm (e.g. T8): 5mg (expires on 31 December 2011; 3.5mg may be used per lamp after 31 December 2011)
 - 2(a)(4) Tri-band phosphor with normal lifetime and a tube diameter > 28mm (e.g. T12): 5mg (expires on 31 December 2012; 3.5mg may be used per lamp after 31 December 2012)
 - 2(a)(5) Tri-band phosphor with long lifetime (\geq 25000h): 8mg (expires on 31 December 2011; 5mg may be used per lamp after 31 December 2011)
- 2(b) Mercury in other fluorescent lamps not exceeding (per lamp):
 - 2(b)(2) Non-linear halophosphate lamps (all diameters): 15mg (expires on 13 April 2016)
 - 2(b)(3) Non-linear tri-band phosphor lamps with tube diameter > 17mm (e.g. T9) (no limitation of use until 31 December 2011; 15mg may be used per lamp after 31 December 2011)
 - 2(b)(4) Lamps for other general lighting and special purposes (e.g. induction lamps) (no limitation of use until 31 December 2011; 15mg may be used per lamp after 31 December 2011)
- 3 Mercury in cold cathode fluorescent lamps and external electrode fluorescent lamps (CCFL and EEFL) for special purposes not exceeding (per lamp):
 - 3(a) Short length (\leq 500mm) (No limitation of use until 31 December 2011; 3.5mg may be used per lamp after 31 December 2011)
 - 3(b) Medium length (> 500mm and \leq 1500mm) (No limitation of use until 31 December 2011; 5mg may be used per lamp after 31 December 2011)
 - 3(c) Long length (> 1500mm) (No limitation of use until 31 December 2011; 13mg may be used per lamp after 31 December 2011)
- 4(a) Mercury in other low pressure discharge lamps (per lamp) (no limitation of use until 31 December 2011; 15mg may be used per lamp after 31 December 2011)
- 4(b) Mercury in High Pressure Sodium (vapour) lamps for general lighting purposes not exceeding (per burner) in lamps with improved colour rendering index Ra > 60:
 - 4(b)-I P \leq 155W (no limitation of use until 31 December 2011; 40mg may be used per burner after 31 December 2011)
 - 4(b)-II 155W < P \leq 405W (no limitation of use until 31 December 2011; 40mg may be used per burner after 31 December 2011)
 - 4(b)-III P > 405W (no limitation of use until 31 December 2011; 40mg may be used per burner after 31 December 2011)
- 4(c) Mercury in other High Pressure Sodium (vapour) lamps for general lighting purposes not exceeding (per burner):
 - 4(c)-I P \leq 155W (no limitation of use until 31 December 2011; 25mg may be used per burner after 31 December 2011)
 - 4(c)-II 155W < P \leq 405W (no limitation of use until 31 December 2011; 30mg may be used per burner after 31 December 2011)
 - 4(c)-III P > 405W (no limitation of use until 31 December 2011; 40mg may be used per burner after 31 December 2011)
- 4(d) Mercury in High Pressure Mercury (vapour) lamps (HPMV) (expires on 13 April 2015)
- 4(e) Mercury in metal halide lamps (MH)
- 4(f) Mercury in other discharge lamps for special purposes not specifically mentioned in this Annex
- 4(g) Mercury in hand crafted luminous discharge tubes used for signs, decorative or architectural and specialist lighting and light-artwork, where the mercury content shall be limited as follows: (Expires on 31 December 2018)
 - (a) 20 mg per electrode pair + 0,3 mg per tube length in cm, but not more than 80 mg, for outdoor applications and indoor applications exposed to temperatures below 20 ° C;
 - (b) 15 mg per electrode pair + 0,24 mg per tube length in cm, but not more than 80 mg, for all other indoor applications.

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Continued

- 5(a) Lead in glass of cathode ray tubes
- 5(b) Lead in glass of fluorescent tubes not exceeding 0.2% by weight
- 6(a) Lead as an alloying element in steel for machining purposes and in galvanized steel containing up to 0.35% lead by weight
- 6(b) Lead as an alloying element in aluminium containing up to 0.4% lead by weight
- 6(c) Copper alloy containing up to 4% lead by weight.
- 7(a) Lead in high melting temperature type solders (i.e. lead based alloys containing 85% by weight or more lead)
- 7(b) Lead in solders for servers, storage and storage array systems, network infrastructure equipment for switching, signalling, transmission, and network management for telecommunications
- 7(c)-I Electrical and electronic components containing lead in a glass or ceramic other than dielectric ceramic in capacitors, e.g. piezoelectric devices, or in a glass or ceramic matrix compound
- 7(c)-II Lead in dielectric ceramic in capacitors for a rated voltage of 125V AC or 250V DC or higher
- 7(c)-III Lead in dielectric ceramic in capacitors for a rated voltage of less than 125V AC or 250V DC (expires on 1 January 2013 and after that date may be used in spare parts for EEE placed on the market before 1 January 2013).
- 7(c)-IV Lead in PZT based dielectric ceramic materials for capacitors being part of integrated circuits or discrete semiconductors
- 8(a) Cadmium and its compounds in one shot pellet type thermal cut-offs (expires on 1 January 2012 and after that date may be used in spare parts for EEE placed on the market before 1 January 2012)
- 8(b) Cadmium and its compounds in electrical contacts
- 9 Hexavalent chromium as an anti-corrosion agent of the carbon steel cooling system in absorption refrigerators up to 0.75% by weight in the cooling solution
- 9(b) Lead in bearing shells and bushes for refrigerant-containing compressors for heating, ventilation, air conditioning and refrigeration (HVACR) applications
- 11(b) Lead used in other than C-press compliant pin connector systems (expires on 1 January 2013 and after that date may be used in spare parts for EEE placed on the market before 1 January 2013)
- 13(a) Lead in white glasses used for optical applications
- 13(b) Cadmium and lead in filter glasses and glasses used for reflectance standards
- 14 Lead in solders consisting of more than two elements for the connection between the pins and the package of microprocessors with a lead content of more than 80% and less than 85% by weight (expires on 1 January 2011 and after that date may be used in spare parts for EEE placed on the market before 1 January 2011)
- 15 Lead in solders to complete a viable electrical connection between semiconductor die and carrier within integrated circuit Flip Chip packages
- 17 Lead halide as radiant agent in High Intensity Discharge (HID) lamps used for professional reprography applications
- 18(b) Lead as activator in the fluorescent powder (1% lead by weight or less) of discharge lamps when used as sun tanning lamps containing phosphors such as BSP ($\text{BaSi}_2\text{O}_5\text{:Pb}$)
- 21 Lead and cadmium in printing inks for the application of enamels on glasses, such as borosilicate and soda lime glass
- 24 Lead in solders for the soldering to machined through hole discoidal and planar array ceramic multilayer capacitors
- 25 Lead oxide in surface conduction electron emitter displays (SED) used in structural elements, notably in the seal frit and frit ring
- 29 Lead bound in crystal glass as defined in Annex 1 (Categories 1, 2, 3 and 4) of Council Directive 69/493/EEC
- 30 Cadmium alloys as electrical/mechanical solder joints to electrical conductors located directly on the voice coil in transducers used in high-powered loudspeakers with sound pressure levels of 100 dB (A) and more
- 31 Lead in soldering materials in mercury free flat fluorescent lamps (which e.g. are used for liquid crystal displays, design or industrial lighting)
- 32 Lead oxide in seal frit used for making window assemblies for Argon and Krypton laser tubes
- 33 Lead in solders for the soldering of thin copper wires of 100 μm diameter and less in power transformers
- 34 Lead in cermet-based trimmer potentiometer elements
- 37 Lead in the plating layer of high voltage diodes on the basis of a zinc borate glass body
- 38 Cadmium and cadmium oxide in thick film pastes used on aluminium bonded beryllium oxide
- 39 Cadmium in colour converting II-VI LEDs ($< 10 \mu\text{g Cd per mm}^2$ of light-emitting area) for use in solid state illumination or display systems (expires on 1 July 2014)
- 41 Lead in solders and termination finishes of electrical and electronic components and finishes of printed circuit boards used in ignition modules and other electrical and electronic engine control systems, which for technical reasons must be mounted directly on or in the crankcase or cylinder of hand-held combustion engines (classes SH:1, SH:2, SH:3 of Directive 97/68/EC of the European Parliament and of the Council (2)) (Expires on 31 December 2018)

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