



TEST REPORT

Report No...... : WTF22F11238778C

Applicant..... :

Address..... :

Manufacturer..... :

Address..... :

Sample Name : Electric heater

Date of Receipt sample : 2022-11-24 & 2023-01-04

Testing period : 2022-11-24 to 2022-12-29 & 2023-01-04 to 2023-01-06

Date of Issue..... : 2023-01-10

Test Result..... : Refer to next page (s)



Prepared By:

Waltek Testing Group (Foshan) Co., Ltd.

Address: No.13-19, 2/F., 2nd Building, Sunlink International Machinery City,
Chencun, Shunde District, Foshan, Guangdong, China

Tel:+86-757-23811398 Fax:+86-757-23811381 E-mail:info@waltek.com.cn

Signed for and on behalf of
Waltek Testing Group (Foshan) Co., Ltd.

Swing Liang

Swing.Liang





Report No.: WTF22F11238778C

Test Requested : In accordance with the Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations 2012 (as amended).

Test Method..... :
1) With reference to IEC 62321-2:2021, disassembly, disjunction and mechanical sample preparation
2) With reference to IEC 62321-3-1:2013, screening - Lead, mercury, cadmium, total chromium and total bromine by X-ray fluorescence spectrometry
3) With reference to IEC 62321-4:2013+AMD1:2017 CSV, determination of Mercury by ICP-OES
4) With reference to IEC 62321-5:2013, determination of Lead and Cadmium by ICP-OES
5) With reference to IEC 62321-7-2: 2017 and IEC 62321-7-1: 2015, determination of Hexavalent Chromium by UV-Vis
6) With reference to IEC 62321-6:2015, determination of PBBs and PBDEs by GC-MS
7) With reference to IEC 62321-8:2017, determination of Phthalates content by GC-MS.

Test Conclusion : **Pass** (Based on the performed tests on the submitted samples, the results comply with the the Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations 2012 (as amended))

WALTEK



Report No.: WTF22F11238778C

Sample Photo(s):



WALTEK



Report No.: WTF22F11238778C

Test Results:

1. Lead, Mercury, Cadmium, Hexavalent Chromium, PBBs and PBDEs

Part No.	Part Description	Result of XRF					Result of Wet Chemical Testing (mg/kg)
		Cd	Pb	Hg	Cr	Br	
1	Black coating	BL	BL	BL	BL	BL	NA
2	Silvery metal shell without black coating	BL	BL	BL	BL	--	NA
3	White paper adhesive label with black printing	BL	BL	BL	BL	BL	NA
4	Silvery metal plate	BL	BL	BL	BL	--	NA
5	Silvery metal mesh	BL	BL	BL	BL	--	NA
6	Silvery metal shell without black coating	BL	BL	BL	IN	--	Cr ⁶⁺ : Negative
7	Silvery metal sheet	BL	BL	BL	IN	--	Cr ⁶⁺ : Negative
8	Silvery metal sheet	BL	BL	BL	IN	--	Cr ⁶⁺ : Negative
9	Black soft plastic sheet	BL	BL	BL	BL	BL	NA
10	Blue-black transparent plastic shell	BL	BL	BL	BL	BL	NA
11	Black plastic shell	BL	BL	BL	BL	BL	NA
12	Black soft plastic wire buckle	BL	BL	BL	BL	BL	NA
13	White fibrous tube with glue	BL	BL	BL	BL	BL	NA
14	White fibrous wire jacket	BL	BL	BL	BL	BL	NA
15	White plastic wire covering	BL	BL	BL	BL	BL	NA
16	Silvery metal wire	BL	BL	BL	BL	--	NA
17	White ceramic tube	BL	BL	BL	BL	--	NA
18	Silvery metal sheet	BL	BL	BL	BL	--	NA
19	Black fibrous wire	BL	BL	BL	BL	BL	NA



Report No.: WTF22F11238778C

Part No.	Part Description	Result of XRF					Result of Wet Chemical Testing (mg/kg)
		Cd	Pb	Hg	Cr	Br	
20	Silvery metal terminal	BL	BL	BL	BL	--	NA
21	Silvery metal sheet	BL	BL	BL	BL	--	NA
22	Brown glue	BL	BL	BL	BL	BL	NA
23	Blue fibrous wire jacket	BL	BL	BL	BL	BL	NA
24	Transparent glass shell	BL	BL	BL	BL	--	NA
25	Silvery metal sheet	BL	BL	BL	BL	--	NA
26	Transparent soft plastic cover (switch)	BL	BL	BL	BL	BL	NA
27	Black plastic shell (switch)	BL	BL	BL	BL	IN	PBBs : ND PBDEs : ND
28	Black plastic cap (switch)	BL	BL	BL	BL	BL	NA
29	Silvery metal pin (switch)	BL	BL	BL	BL	--	NA
30	Silvery-coppery metal contact (switch)	BL	BL	BL	BL	--	NA
31	Silvery metal sheet (switch)	BL	BL	BL	BL	--	NA
32	Silvery metal spring (switch)	BL	BL	BL	IN	--	Cr ⁶⁺ : Negative
33	White plastic cap (switch)	BL	BL	BL	BL	IN	PBBs : ND PBDEs : ND
34	Black plastic bracket	BL	BL	BL	BL	BL	NA
35	Blue capacitor	BL	BL	BL	BL	BL	NA
36	Yellow-green plastic film (electrolytic capacitor)	BL	BL	BL	BL	BL	NA
37	Black rubber stopper (electrolytic capacitor)	BL	BL	BL	BL	BL	NA
38	Brown paper (electrolytic capacitor)	BL	BL	BL	BL	BL	NA
39	Silvery metal shell (electrolytic capacitor)	BL	BL	BL	BL	--	NA



Report No.: WTF22F11238778C

Part No.	Part Description	Result of XRF					Result of Wet Chemical Testing (mg/kg)
		Cd	Pb	Hg	Cr	Br	
40	Silvery-grey metal foil (electrolytic capacitor)	BL	BL	BL	BL	--	NA
41	Grey metal foil (electrolytic capacitor)	BL	BL	BL	BL	--	NA
42	Yellow plastic adhesive tape (transformer)	BL	BL	BL	BL	BL	NA
43	Black plastic bobbin (transformer)	BL	BL	BL	BL	BL	NA
44	Dark grey magnetic core (transformer)	BL	BL	BL	IN	--	Cr ⁶⁺ : ND
45	Coppery varnished wire (transformer)	BL	BL	BL	BL	BL	NA
46	Dark grey magnetic core (inductance)	BL	BL	BL	BL	--	NA
47	Coppery varnished wire (inductance)	BL	BL	BL	BL	BL	NA
48	Black heat-shrinkable tube (inductance)	BL	BL	BL	BL	BL	NA
49	Black resistor	BL	BL	BL	BL	BL	NA
50	Yellow plastic shell (safety capacitor)	BL	BL	BL	BL	IN	PBBs : ND PBDEs : ND
51	Yellow epoxy resin (safety capacitor)	BL	BL	BL	BL	IN	PBBs : ND PBDEs : ND
52	Silvery plastic film (safety capacitor)	BL	BL	BL	BL	BL	NA
53	Brown plastic shell (fuse tube)	BL	BL	BL	BL	BL	NA
54	Black plastic base (fuse pipe)	BL	BL	BL	BL	BL	NA
55	Silvery metal wire (fuse tube)	BL	BL	BL	BL	--	NA
56	Silvery metal bracket	BL	BL	BL	BL	--	NA
57	White glue	BL	BL	BL	BL	BL	NA
58	White plastic shell (socket)	BL	BL	BL	BL	BL	NA
59	Silvery metal pin (socket)	BL	BL	BL	BL	--	NA



Report No.: WTF22F11238778C

Part No.	Part Description	Result of XRF					Result of Wet Chemical Testing (mg/kg)
		Cd	Pb	Hg	Cr	Br	
60	Grey resistor with multicolour ring	BL	BL	BL	BL	BL	NA
61	Silvery metal pin (resistor)	BL	BL	BL	BL	--	NA
62	Silvery metal pin	BL	BL	BL	BL	--	NA
63	Black IC	BL	BL	BL	BL	IN	PBBs : ND PBDEs : ND
64	Chip IC	BL	BL	BL	BL	IN	PBBs : ND PBDEs : ND
65	Chip capacitor	BL	BL	BL	BL	BL	NA
66	Chip rectifier	BL	BL	BL	BL	IN	PBBs : ND PBDEs : ND
67	Chip diode	BL	BL	BL	BL	IN	PBBs : ND PBDEs : ND
68	Chip resistor	BL	BL	BL	BL	BL	NA
69	Chip audion	BL	BL	BL	BL	BL	NA
70	Chip IC	BL	BL	BL	BL	IN	PBBs : ND PBDEs : ND
71	Green PCB	BL	BL	BL	BL	IN	PBBs : ND PBDEs : ND
72	Solder	BL	BL	BL	BL	--	NA
73	White plastic face sticker with black coating	BL	BL	BL	BL	BL	NA
74	White plastic shell (digital tube)	BL	BL	BL	BL	BL	NA
75	Chip LED (nixie tube)	BL	BL	BL	BL	BL	NA
76	Chip resistor (nixie tube)	BL	BL	BL	BL	BL	NA
77	Solder (nixie tube)	BL	BL	BL	BL	--	NA
78	White PCB (nixie tube)	BL	BL	BL	BL	IN	PBBs : ND PBDEs : ND
79	Chip LED (nixie tube)	BL	BL	BL	BL	BL	NA



Report No.: WTF22F11238778C

Part No.	Part Description	Result of XRF					Result of Wet Chemical Testing (mg/kg)
		Cd	Pb	Hg	Cr	Br	
80	Chip EC	BL	BL	BL	BL	BL	NA
81	Chip capacitor	BL	BL	BL	BL	BL	NA
82	Chip IC	BL	BL	BL	BL	BL	NA
83	Chip capacitor	BL	BL	BL	BL	BL	NA
84	Chip IC	BL	BL	BL	BL	BL	NA
85	Chip audion	BL	BL	BL	BL	BL	NA
86	Solder	BL	BL	BL	BL	--	NA
87	White PCB	BL	BL	BL	BL	IN	PBBs : ND PBDEs : ND
88	Black plastic sheet	BL	BL	BL	BL	IN	PBBs : ND PBDEs : ND
89	Silvery metal pin	BL	BL	BL	BL	--	NA
90	Black plastic shell (buzzer)	BL	BL	BL	BL	BL	NA
91	White ceramic (buzzer)	BL	*OL	BL	BL	--	NA
92	Golden metal sheet (buzzer)	IN	IN	BL	BL	--	Cd : 19 Pb : 314
93	Silvery metal pin (buzzer)	BL	BL	BL	BL	--	NA
94	Black rectifier	BL	BL	BL	BL	IN	PBBs : ND PBDEs : ND
95	Chip crystal oscillator	BL	BL	BL	BL	BL	NA
96	chip resistor	BL	BL	BL	BL	BL	NA
97	Chip capacitor	BL	BL	BL	BL	BL	NA
98	White plastic shell (socket)	BL	BL	BL	BL	BL	NA
99	Silvery metal pin (socket)	BL	BL	BL	BL	--	NA



Report No.: WTF22F11238778C

Part No.	Part Description	Result of XRF					Result of Wet Chemical Testing (mg/kg)
		Cd	Pb	Hg	Cr	Br	
100	Chip IC	BL	BL	BL	BL	BL	NA
101	Chip capacitor	BL	BL	BL	BL	BL	NA
102	Chip IC	BL	BL	BL	BL	BL	NA
103	Chip IC	BL	BL	BL	BL	BL	NA
104	Grey plastic wire covering with red printing	BL	BL	BL	BL	BL	NA
105	White plastic shell (socket)	BL	BL	BL	BL	BL	NA
106	Silvery metal pin (socket)	BL	BL	BL	BL	--	NA
107	Solder	BL	BL	BL	BL	--	NA
108	Green PCB	BL	BL	BL	BL	IN	PBBs : ND PBDEs : ND
109	Blue PCB	BL	BL	BL	BL	IN	PBBs : ND PBDEs : ND
110	Solder	BL	BL	BL	BL	--	NA
111	White plastic adhesive label with black printing	BL	BL	BL	BL	BL	NA
112	Silvery metal cover	BL	BL	BL	BL	--	NA
113	White glue	BL	BL	BL	BL	BL	NA
114	Black audion	BL	BL	BL	BL	BL	NA
115	Solder	BL	BL	BL	BL	--	NA
116	Green PCB	BL	BL	BL	BL	IN	PBBs : ND PBDEs : ND
117	Black heat-shrinkable tube	BL	BL	BL	BL	BL	NA
118	Blue fibrous wire jacket	BL	BL	BL	BL	BL	NA
119	Silvery metal terminal	BL	BL	BL	BL	--	NA



Report No.: WTF22F11238778C

Part No.	Part Description	Result of XRF					Result of Wet Chemical Testing (mg/kg)
		Cd	Pb	Hg	Cr	Br	
120	Red fibrous wire jacket	BL	BL	BL	BL	BL	NA
121	Black plastic wire jacket	BL	BL	BL	BL	BL	NA
122	Black plastic jacket (plug)	BL	BL	BL	BL	BL	NA
123	Silvery metal pin (plug)	IN	OL	BL	BL	--	Cd : 17 #Pb : 2.72×10^4
124	Black plastic sheet (plug)	BL	BL	BL	BL	IN	PBBs : ND PBDEs : ND
125	Silvery metal sheet (plug)	BL	BL	BL	BL	--	NA
126	White plastic core (plug)	BL	BL	BL	BL	IN	PBBs : ND PBDEs : ND
127	Black plastic sheet (plug)	BL	BL	BL	BL	BL	NA
128	Silvery metal cover (fuse tube)	BL	BL	BL	BL	--	NA
129	White ceramic shell (fuse tube)	BL	BL	BL	BL	--	NA
130	Silvery metal wire (fuse tube)	BL	BL	BL	BL	--	NA
131	Off-white sand(fuse pipe)	BL	BL	BL	BL	BL	NA
132	Black plastic wire buckle	BL	BL	BL	BL	IN	PBBs : ND PBDEs : ND
133	Blue plastic wire covering	BL	BL	BL	BL	BL	NA
134	Brown plastic wire covering	BL	BL	BL	BL	BL	NA
135	Brown soft plastic tube	BL	BL	BL	BL	BL	NA
136	Silvery metal terminal	BL	BL	BL	BL	--	NA
137	Yellow-green plastic wire covering	BL	BL	BL	BL	BL	NA
138	Coppery metal wire	BL	BL	BL	BL	--	NA
139	White fibrous tube	BL	BL	BL	BL	BL	NA



Report No.: WTF22F11238778C

Part No.	Part Description	Result of XRF					Result of Wet Chemical Testing (mg/kg)
		Cd	Pb	Hg	Cr	Br	
140	Black plastic wire covering	BL	BL	BL	BL	BL	NA
141	White plastic shell (connector)	BL	BL	BL	BL	BL	NA
142	Silvery metal pin (connector)	BL	BL	BL	BL	--	NA
143	Black glue	BL	BL	BL	BL	BL	NA
144	Black EC	BL	BL	BL	BL	BL	NA
145	Silvery metal shell	BL	BL	BL	BL	--	NA
146	Silvery-grey metal screw	BL	BL	BL	BL	--	NA
147	Silvery metal screw with black coating	BL	BL	BL	IN	--	Cr ⁶⁺ : Negative
148	Silvery metal screw	BL	BL	BL	IN	--	Cr ⁶⁺ : Negative
149	Silvery metal screw	BL	BL	BL	BL	--	NA
150	Silvery metal sheet	BL	BL	BL	IN	--	Cr ⁶⁺ : Negative
151	Silvery metal gasket	BL	BL	BL	IN	--	Cr ⁶⁺ : Negative
152	Silvery metal gasket	BL	BL	BL	IN	--	Cr ⁶⁺ : Negative
153	Black plastic shell	IN	IN	BL	BL	BL	Cd : 26 Pb : 22
154	Black soft plastic sheet	BL	BL	BL	BL	BL	NA
155	Silvery metal sheet	BL	BL	BL	IN	--	Cr ⁶⁺ : Negative
156	Transparent plastic film	BL	BL	BL	BL	BL	NA
157	Silvery metal sheet	BL	BL	BL	IN	--	Cr ⁶⁺ : Negative
158	Silvery metal spring	BL	BL	BL	IN	--	Cr ⁶⁺ : Negative
159	Chip IC	BL	BL	BL	BL	BL	NA



Report No.: WTF22F11238778C

Part No.	Part Description	Result of XRF					Result of Wet Chemical Testing (mg/kg)
		Cd	Pb	Hg	Cr	Br	
160	Transparent LED	BL	BL	BL	BL	IN	PBBs : ND PBDEs : ND
161	Solder	BL	IN	BL	IN	--	Pb : 237 Cr ⁶⁺ : Negative
162	Green PCB	BL	BL	BL	BL	BL	NA

Remark:

(1) Results are obtained by EDXRF for primary screening, and further chemical testing by ICP (for Cd, Pb, Hg), UV-VIS (for Cr⁶⁺) and GC-MS (for PBBs, PBDEs) is recommended to be performed, if the concentration exceeds the below warning value according to IEC 62321-3-1: 2013 (unit: mg/kg)

Element	Polymer	Metal	Composite Materials
Cd	BL ≤ (70-3σ) < IN < (130+3σ) ≤ OL	BL ≤ (70-3σ) < IN < (130+3σ) ≤ OL	LOD < IN < (150+3σ) ≤ OL
Pb	BL ≤ (700-3σ) < IN < (1300+3σ) ≤ OL	BL ≤ (700-3σ) < IN < (1300+3σ) ≤ OL	BL ≤ (500-3σ) < IN < (1500+3σ) ≤ OL
Hg	BL ≤ (700-3σ) < IN < (1300+3σ) ≤ OL	BL ≤ (700-3σ) < IN < (1300+3σ) ≤ OL	BL ≤ (500-3σ) < IN < (1500+3σ) ≤ OL
Cr	BL ≤ (700-3σ) < IN	BL ≤ (700-3σ) < IN	BL ≤ (500-3σ) < IN
Br	BL ≤ (300-3σ) < IN	--	BL ≤ (250-3σ) < IN

BL= Below Limit OL= Over Limit LOD = Limit of Detection -- = Not Regulated

- (2) "IN" expresses the inconclusive region, and further chemical testing to confirm whether it complies with the requirement of RoHS Directive.
- (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.
- (4) mg / kg =milligram per kilogram=ppm, μg/cm²= Micrograms per square centimetre.
- (5) ND = Not Detected or lower than limit of quantitation.
- (6) NA = Not Applicable, as the XRF screening test result was below the limit or as the XRF screening directly determine that test result was over the limit, it was not need to conduct the wet chemical testing.
- (7) LOQ = Limit of quantitation.

Test Items	Pb	Cd	Hg	Cr ⁶⁺		PBB	PBDE
Units	mg/kg	mg/kg	mg/kg	mg/kg	μg/cm ²	mg/kg	mg/kg
LOQ	2	2	2	8	0.1	5	5

The LOQ for single compound of PBBs and PBDEs is 5mg/kg, LOQ of Cr⁶⁺ for polymer and composite sample is 8mg/kg and LOQ of Cr⁶⁺ for metal sample is 0.1μg/cm².



Report No.: WTF22F11238778C

(8) The Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations 2012 (as amended) Requirement

Restricted Substances	Limits
Cadmium (Cd)	0.01% (100 mg/kg)
Lead (Pb)	0.1% (1000 mg/kg)
Mercury (Hg)	0.1% (1000 mg/kg)
Chromium (VI) (Cr ⁶⁺)	0.1% (1000 mg/kg)
Polybrominated Biphenyls (PBBs)	0.1% (1000 mg/kg)
Polybrominated Diphenyl Ethers (PBDEs)	0.1% (1000 mg/kg)

(9) According to IEC 62321-7-1:2015, determined of Cr⁶⁺ on metal sample by boiling water extraction test method, and result is shown as Positive/Negative.

Boiling water extraction:

Negative = Absence of Cr⁶⁺ coating, the detected concentration in boiling water extraction solution is less than 0.10ug/cm².

Positive = Presence of Cr⁶⁺ coating, the detected concentration in boiling water extraction solution is greater than 0.13ug/cm².

Information on storage conditions and production date of the tested sample is unavailable and thus Cr⁶⁺ results represent status of the sample at the time of testing.

(10) Abbreviation:

“Pb” denotes Lead, “Cd” denotes Cadmium, “Hg” denotes Mercury, “Cr” denotes Chromium, “Cr (VI)” denotes Hexavalent Chromium, “Br” denotes Bromine, “PBBs” denotes Total Polybrominated Biphenyls, “PBDEs” denotes Total Polybrominated Diphenyl Ethers.

(11)* = According to the declaration from client, the source of lead in test sample is from the glass or ceramic material of that electronic component which is exempted by Directive 2011/65/EU ANNEX III.

(12)# = According to the declaration from client, the source of lead in test sample is from copper alloy while lead as copper alloy containing up to 4% lead by weight is exempted by Directive 2011/65/EU ANNEX III.

2. Phthalates:

Serial No.	Part No.	Result (mg/kg)			
		DBP	BBP	DEHP	DIBP
T01	1	ND	ND	ND	ND
T02	2	--	--	--	--
T03	3	ND	ND	ND	ND
T04	4	--	--	--	--
T05	5	--	--	--	--
T06	6	--	--	--	--
T07	7	--	--	--	--
T08	8	--	--	--	--
T09	9	ND	ND	ND	ND
T10	10+11+27+28+33 [△]	ND	ND	ND	ND
T11	12	ND	ND	ND	ND
T12	13	ND	ND	ND	ND
T13	14+23 [△]	ND	ND	ND	ND



Report No.: WTF22F11238778C

Serial No.	Part No.	Result (mg/kg)			
		DBP	BBP	DEHP	DIBP
T14	15	ND	ND	ND	ND
T15	16	--	--	--	--
T16	17	--	--	--	--
T17	18	--	--	--	--
T18	19	ND	ND	ND	ND
T19	20	--	--	--	--
T20	21	--	--	--	--
T21	22	ND	ND	ND	ND
T22	24	--	--	--	--
T23	25	--	--	--	--
T24	26	ND	ND	ND	ND
T25	29	--	--	--	--
T26	30	--	--	--	--
T27	31	--	--	--	--
T28	32	--	--	--	--
T29	34+43+50+53+54 [△]	ND	ND	ND	ND
T30	35+49+60+63+64 [△]	ND	ND	ND	ND
T31	36	ND	ND	ND	ND
T32	37	ND	ND	ND	ND
T33	38	ND	ND	ND	ND
T34	39	--	--	--	--
T35	40	--	--	--	--
T36	41	--	--	--	--
T37	42	ND	ND	ND	ND
T38	44	--	--	--	--
T39	45+47+116+131+162 [△]	ND	ND	ND	ND
T40	46	--	--	--	--
T41	48	ND	ND	ND	ND
T42	51	ND	ND	ND	ND
T43	52	ND	ND	ND	ND
T44	55	--	--	--	--
T45	56	--	--	--	--
T46	57	ND	ND	ND	ND
T47	58+74+90+98 [△]	ND	ND	ND	ND
T48	59	--	--	--	--
T49	61	--	--	--	--
T50	62	--	--	--	--
T51	65+66+67+68+69 [△]	ND	ND	ND	ND
T52	70+75+76+79+80 [△]	ND	ND	ND	ND
T53	71+78+87+108+109 [△]	ND	ND	ND	ND
T54	72	--	--	--	--
T55	73	ND	ND	ND	ND
T56	77	--	--	--	--
T57	81+82+83+84+85 [△]	ND	ND	ND	ND



Report No.: WTF22F11238778C

Serial No.	Part No.	Result (mg/kg)			
		DBP	BBP	DEHP	DIBP
T58	86	--	--	--	--
T59	88	ND	ND	ND	ND
T60	89	--	--	--	--
T61	91	--	--	--	--
T62	92	--	--	--	--
T63	93	--	--	--	--
T64	94+95+96+97+100 [△]	ND	ND	ND	ND
T65	99	--	--	--	--
T66	101+102+103+114+144 [△]	ND	ND	ND	ND
T67	104	ND	ND	ND	ND
T68	105+124+126+127+132 [△]	ND	ND	ND	ND
T69	106	--	--	--	--
T70	107	--	--	--	--
T71	110	--	--	--	--
T72	111	ND	ND	ND	ND
T73	112	--	--	--	--
T74	113	ND	ND	ND	ND
T75	115	--	--	--	--
T76	117	ND	ND	ND	ND
T77	118+120 [△]	ND	ND	ND	ND
T78	119	--	--	--	--
T79	121	ND	ND	ND	ND
T80	122	ND	ND	ND	ND
T81	123	--	--	--	--
T82	125	--	--	--	--
T83	128	--	--	--	--
T84	129	--	--	--	--
T85	130	--	--	--	--
T86	133	ND	ND	ND	ND
T87	134	ND	ND	ND	ND
T88	135	ND	ND	ND	ND
T89	136	--	--	--	--
T90	137	ND	ND	ND	ND
T91	138	--	--	--	--
T92	139	ND	ND	ND	ND
T93	140	ND	ND	ND	ND
T94	141+153 [△]	ND	ND	ND	ND
T95	142	--	--	--	--
T96	143	ND	ND	ND	ND
T97	145	--	--	--	--
T98	146	--	--	--	--
T99	147	--	--	--	--
T100	148	--	--	--	--
T101	149	--	--	--	--



Report No.: WTF22F11238778C

Serial No.	Part No.	Result (mg/kg)			
		DBP	BBP	DEHP	DIBP
T102	150	--	--	--	--
T103	151	--	--	--	--
T104	152	--	--	--	--
T105	154	ND	ND	ND	ND
T106	155	--	--	--	--
T107	156	ND	ND	ND	ND
T108	157	--	--	--	--
T109	158	--	--	--	--
T110	159	ND	ND	ND	ND
T111	160	ND	ND	ND	ND
T112	161	--	--	--	--

Note:

- (1) mg/kg = milligram per kilogram= ppm
- (2) ND = Not Detected or lower than limit of quantitation.
- (3) -- = Not Regulated.
- (4) LOQ = Limit of quantitation.

Test Items	DBP	BBP	DEHP	DIBP
Units	mg/kg	mg/kg	mg/kg	mg/kg
LOQ	50	50	50	50

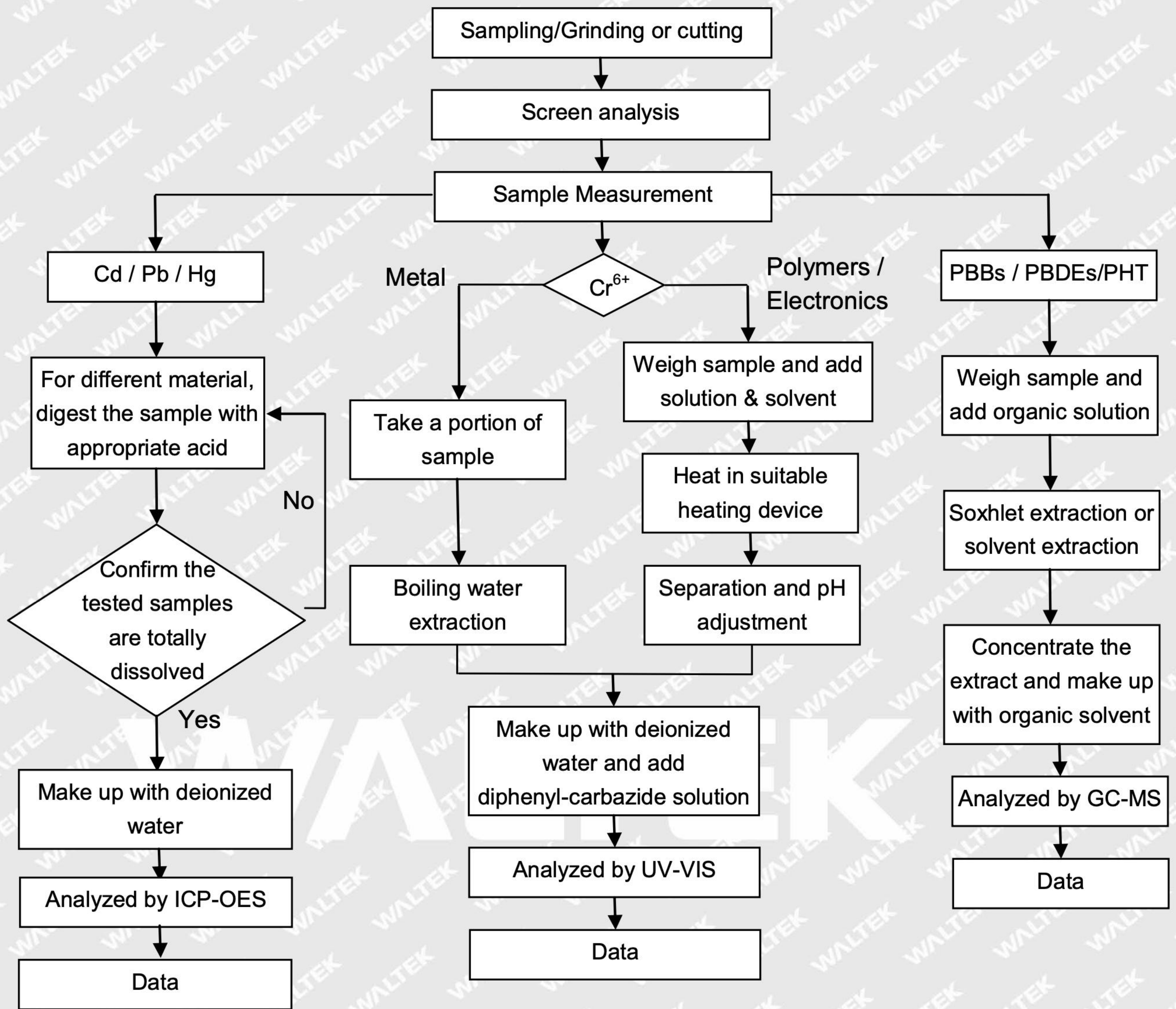
- (5) Abbreviation:
 "DBP" denotes Dibutyl phthalate, "BBP" denotes Benzyl butyl phthalate (BBP), "DEHP" denotes Bis(2-ethylhexyl)-phthalate, "DIBP" denotes Diisobutyl phthalate, "PHT" denotes Phthalates.
- (6) The Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations 2012 (as amended) requirement.

Restricted Substances	Limits
Dibutyl phthalate (DBP)	0.1% (1000 mg/kg)
Benzyl butyl phthalate (BBP)	0.1% (1000 mg/kg)
Di(2-ethylhexyl) phthalate (DEHP)	0.1% (1000 mg/kg)
Di-iso-butyl phthalate (DIBP)	0.1% (1000 mg/kg)

- (7) "△" = As client's requirement, the testing was conducted based on mixed components. Results are calculated by the minimum weight of mixed components.



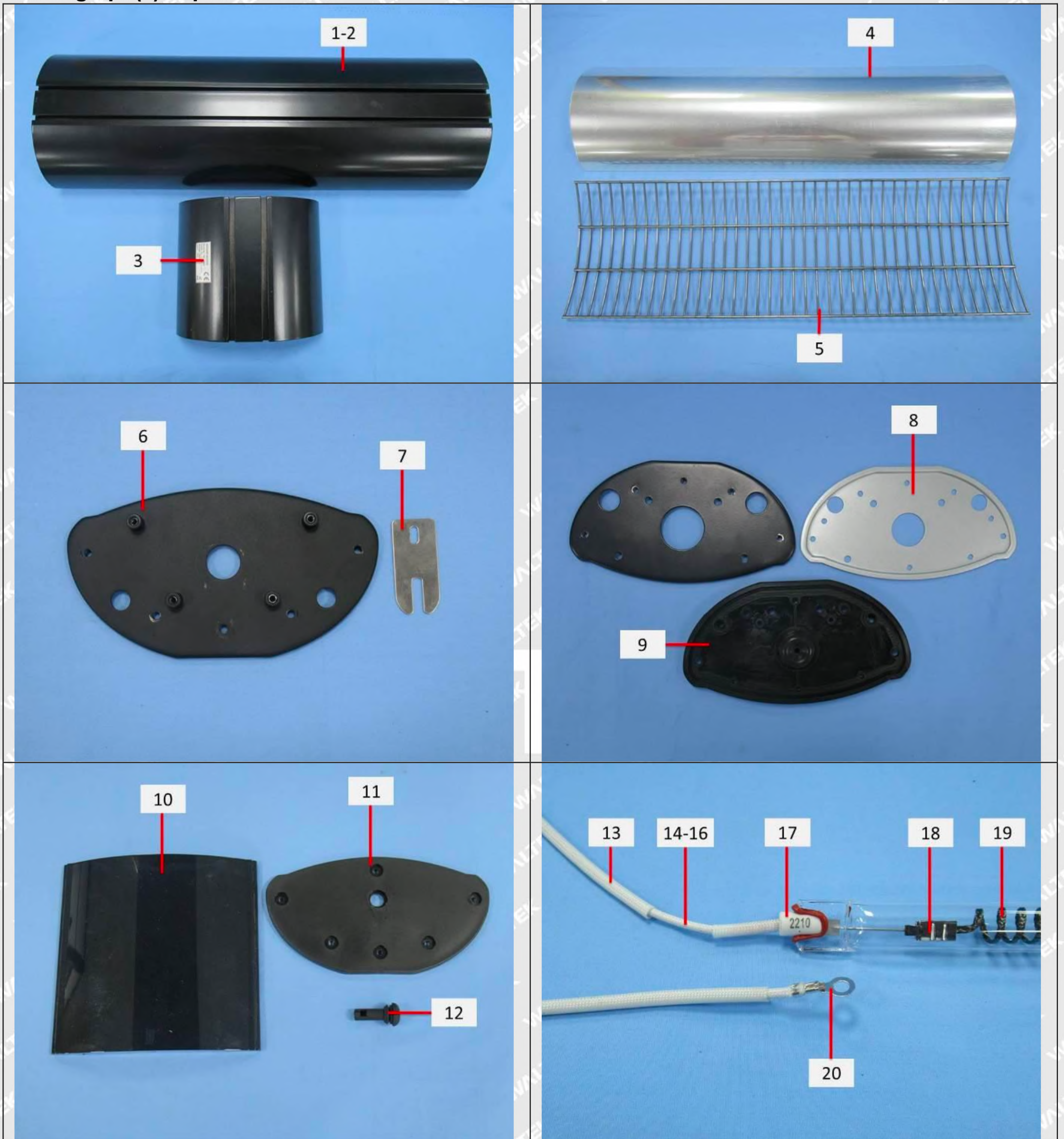
Measurement Flowchart:





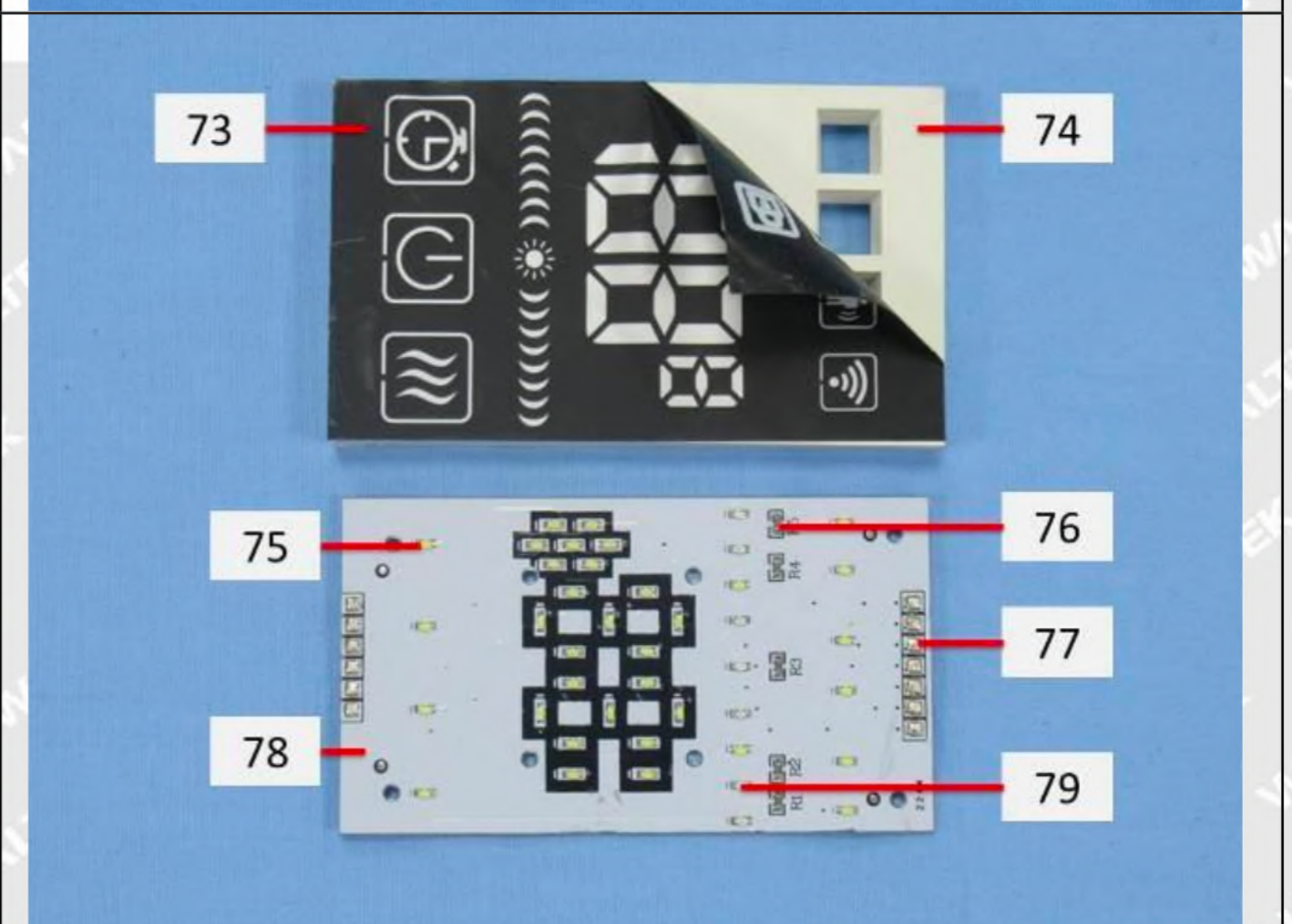
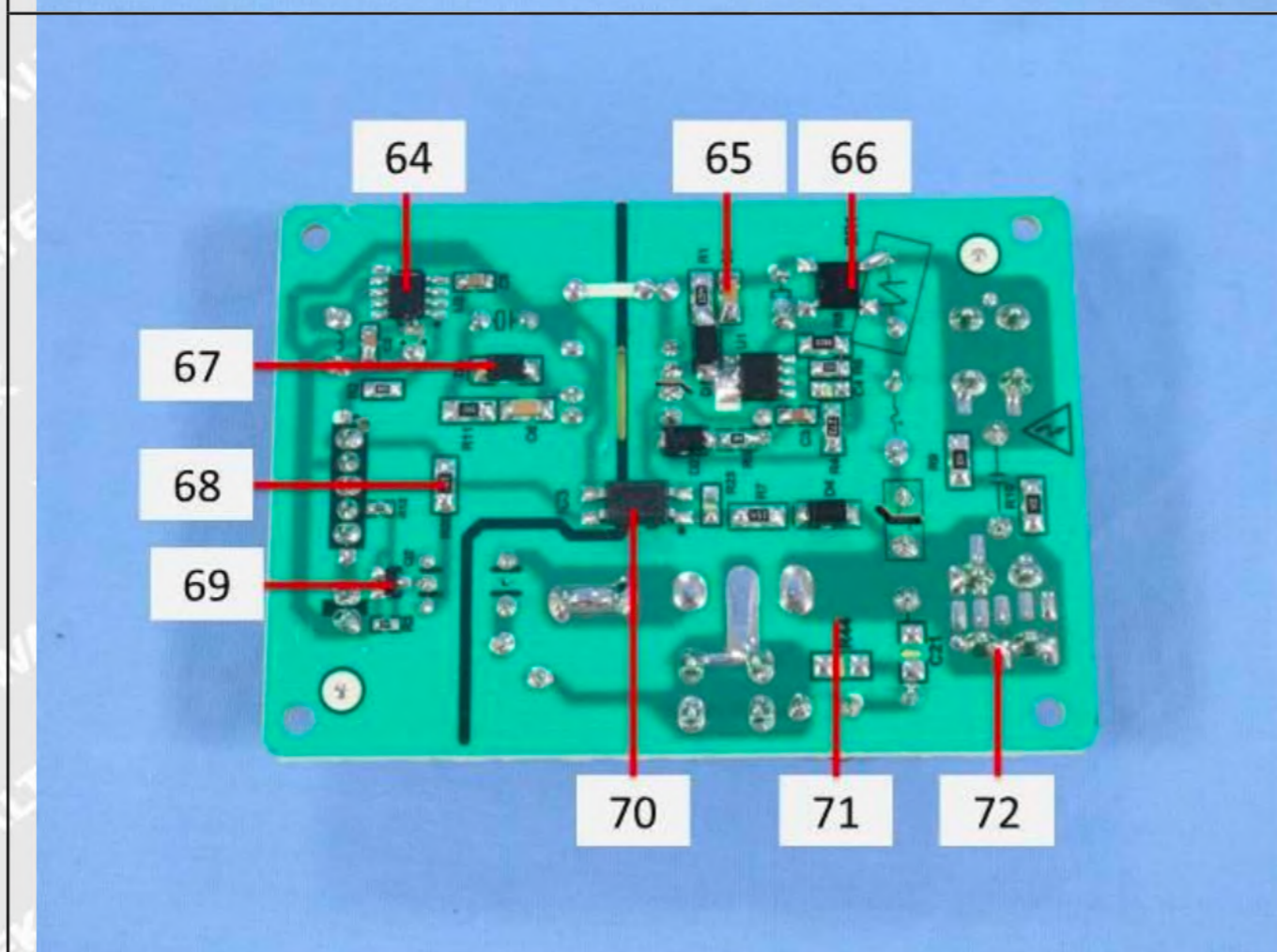
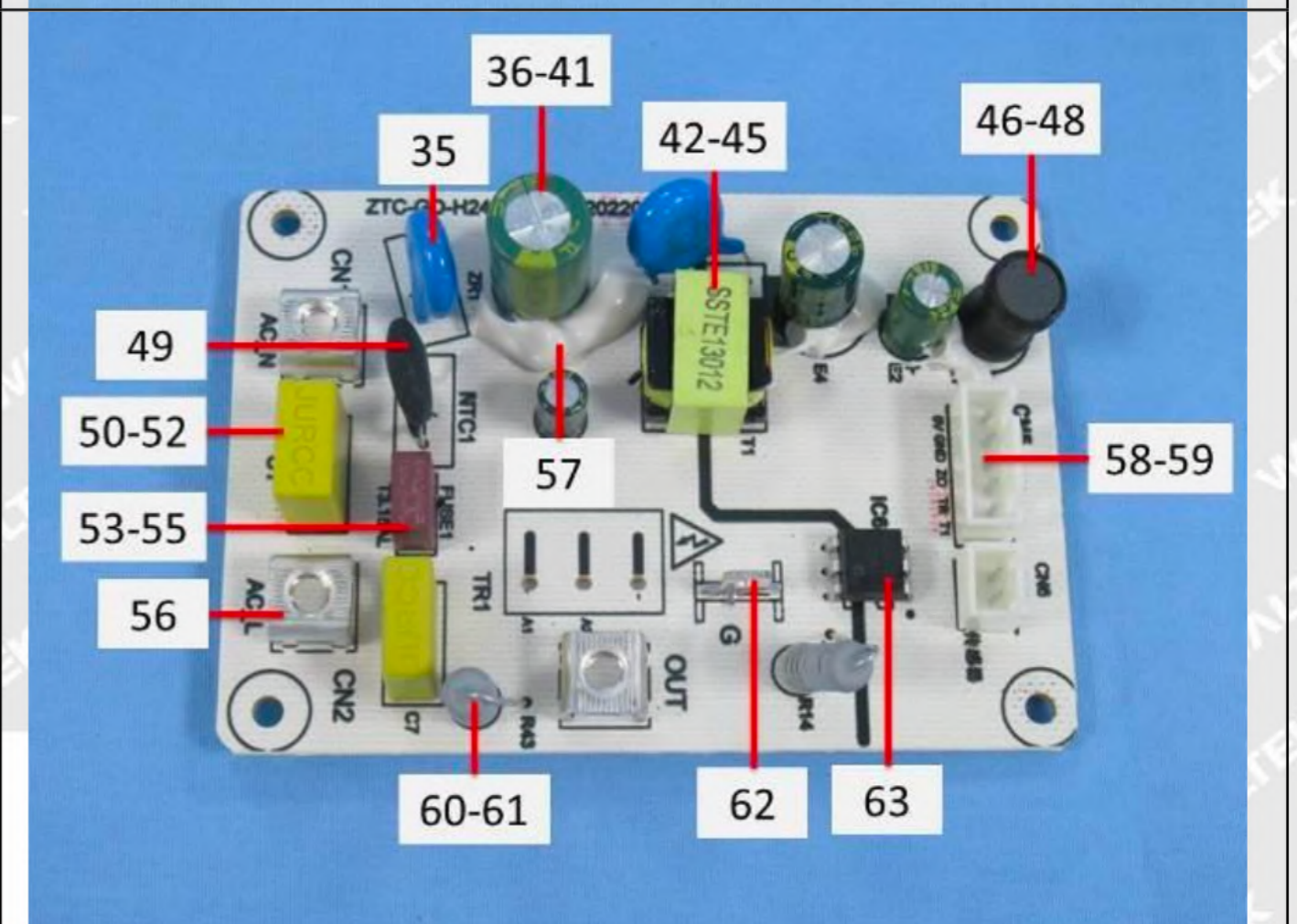
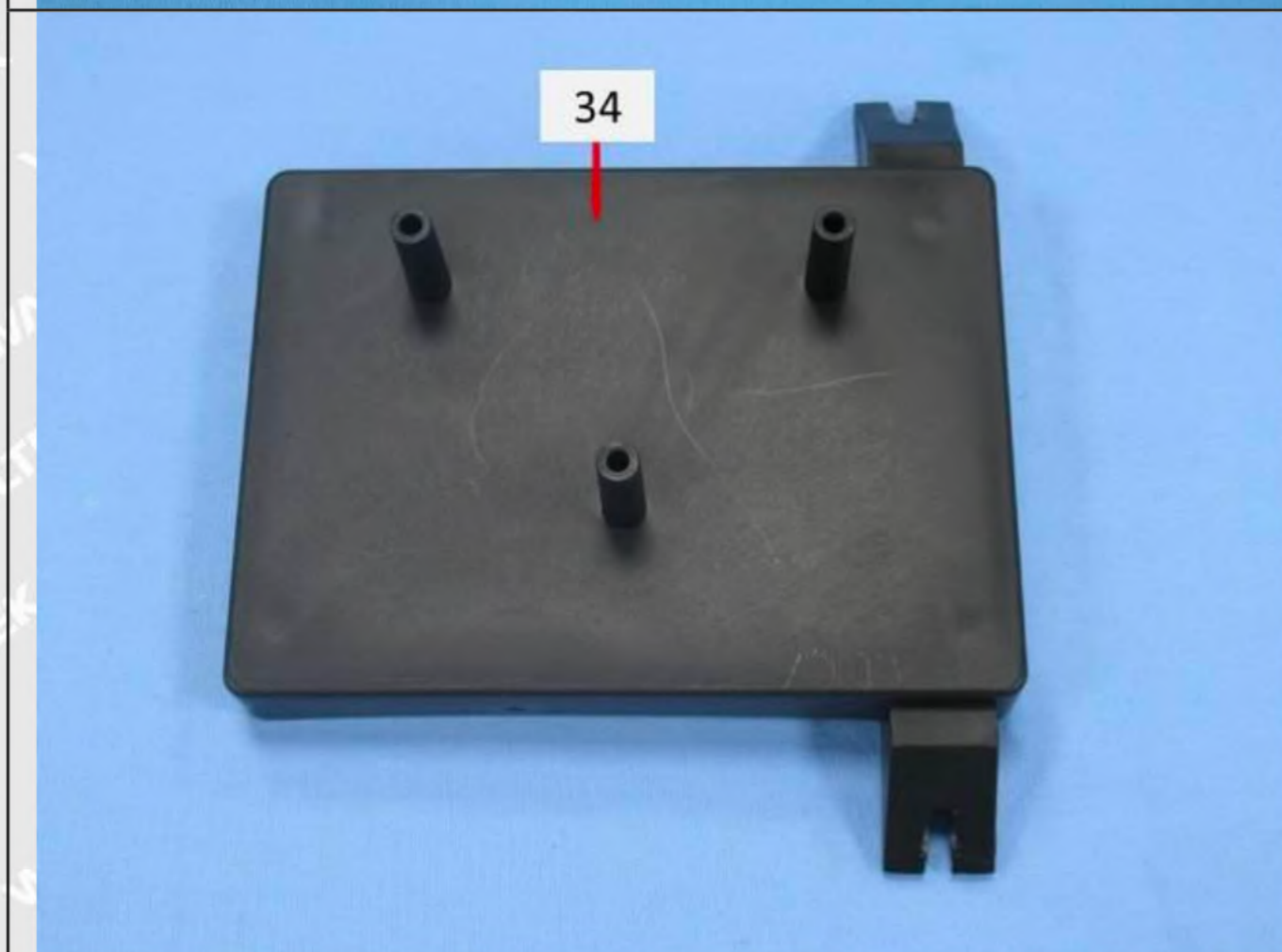
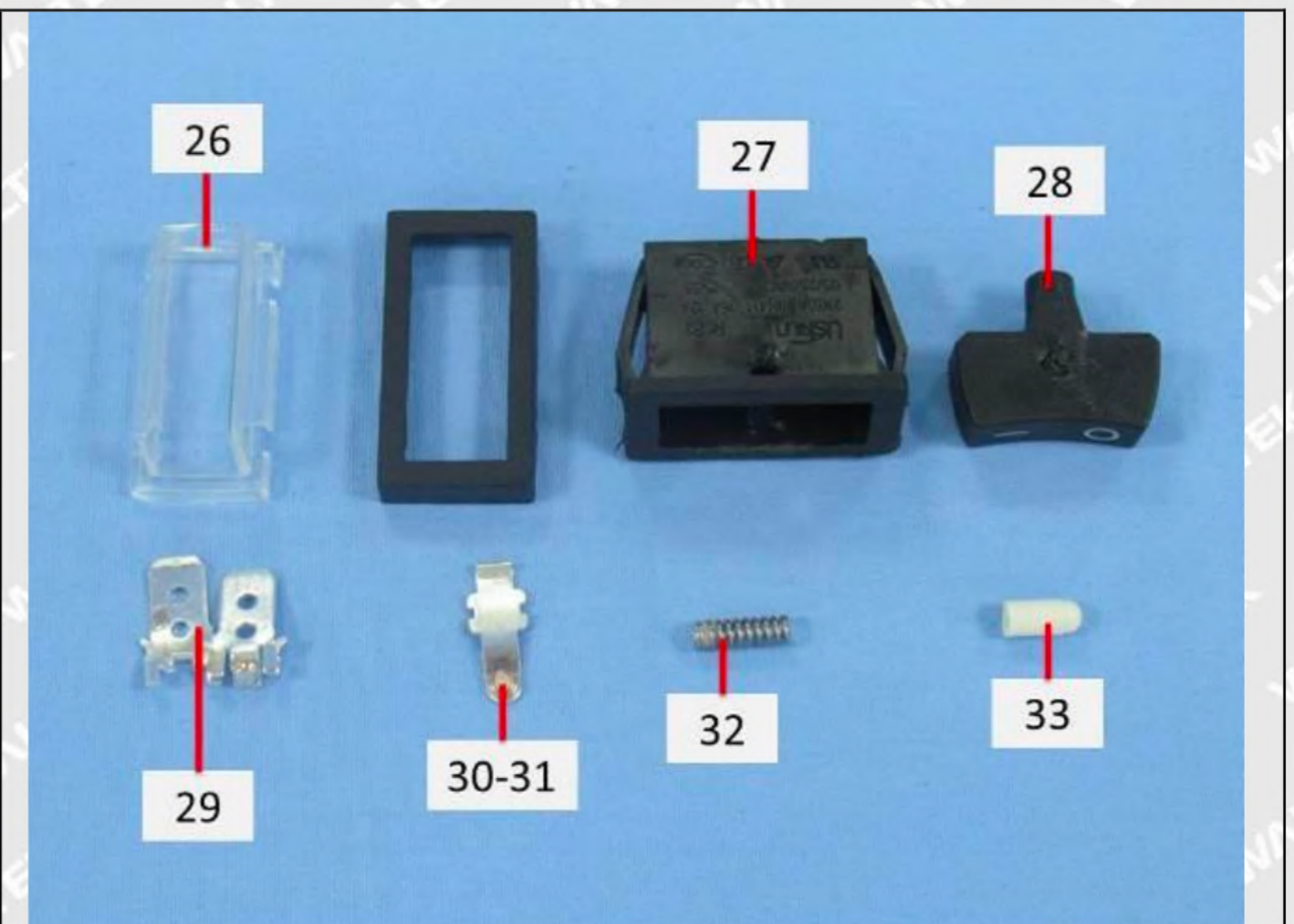
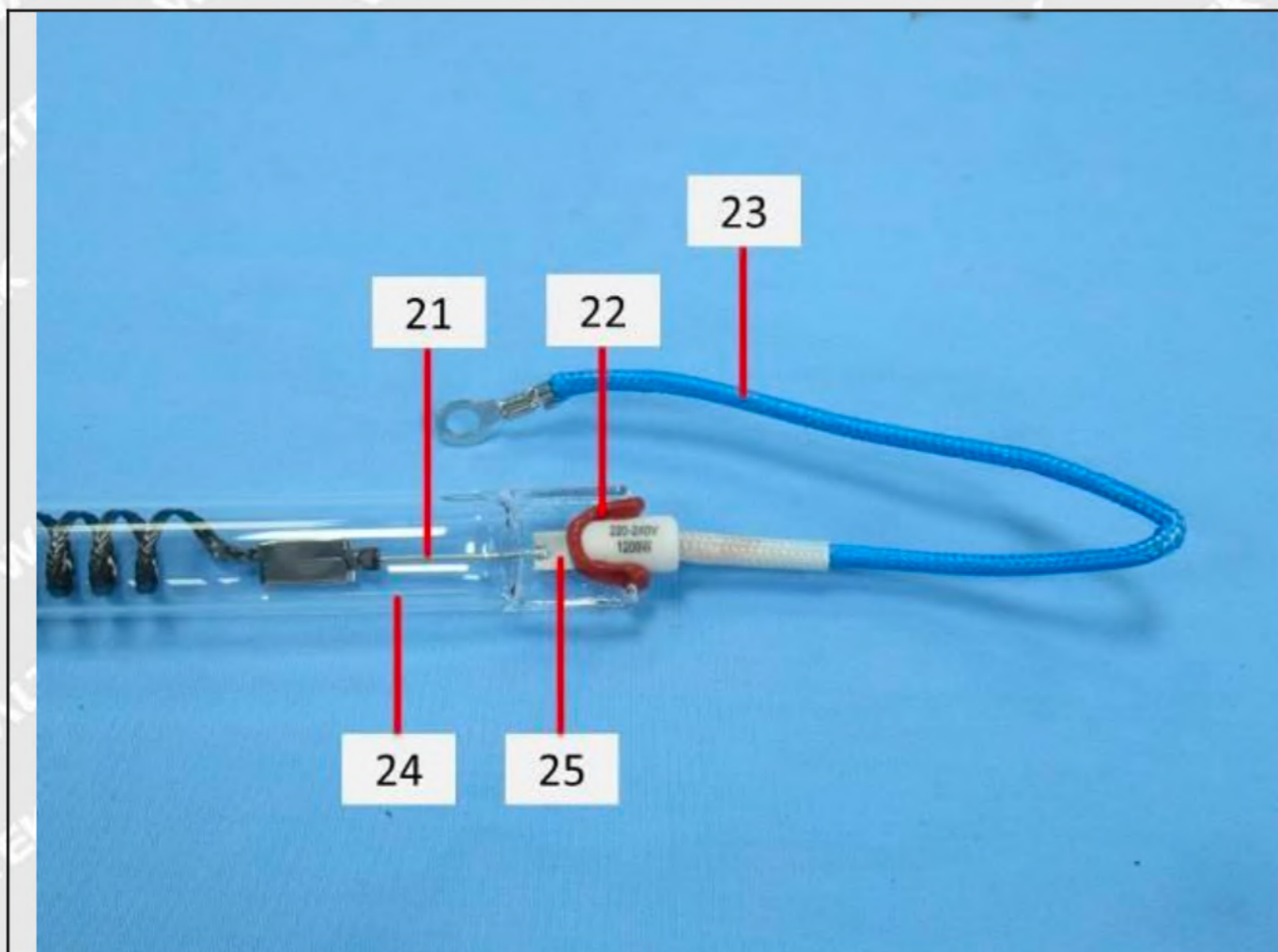
Report No.: WTF22F11238778C

Photograph(s) of parts tested:



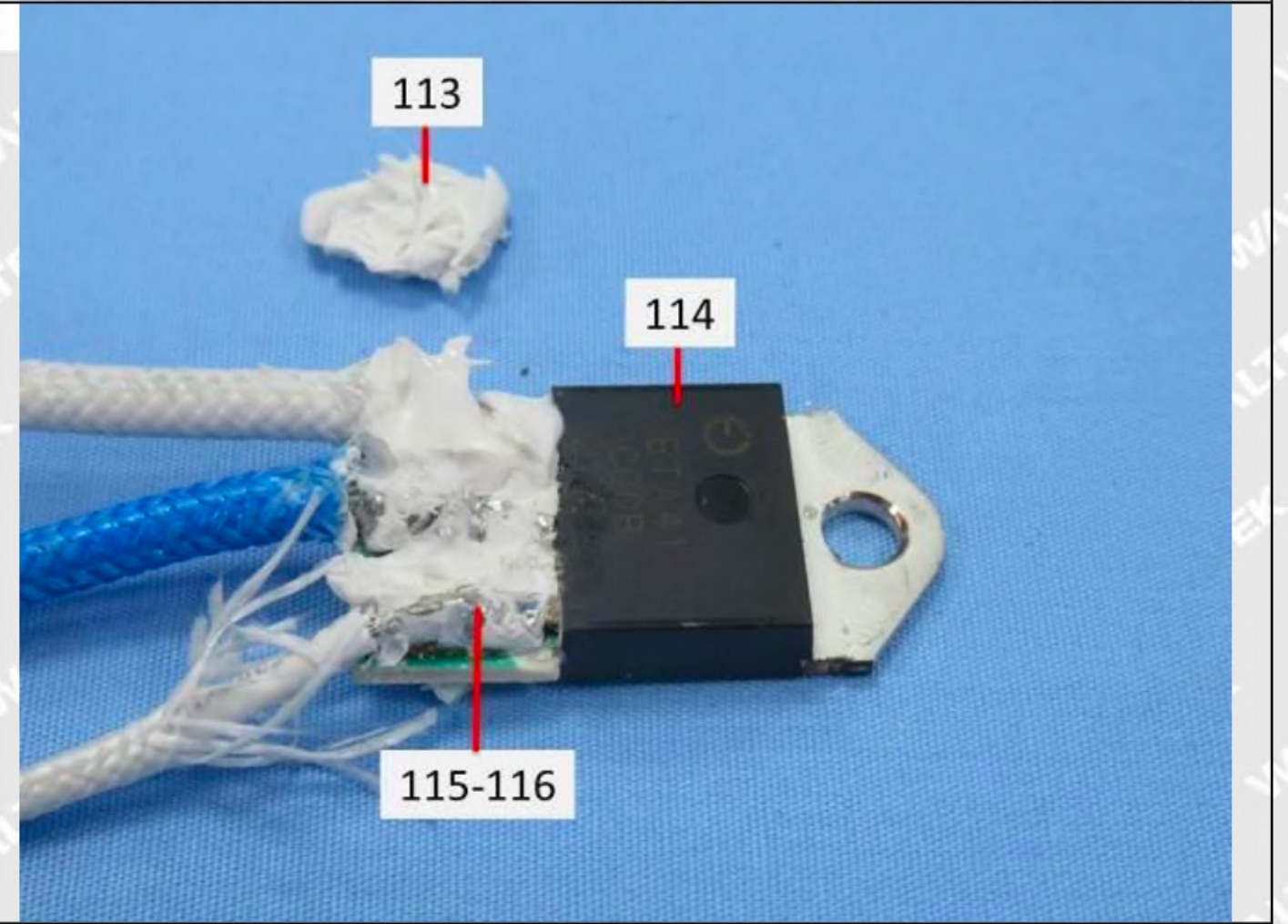
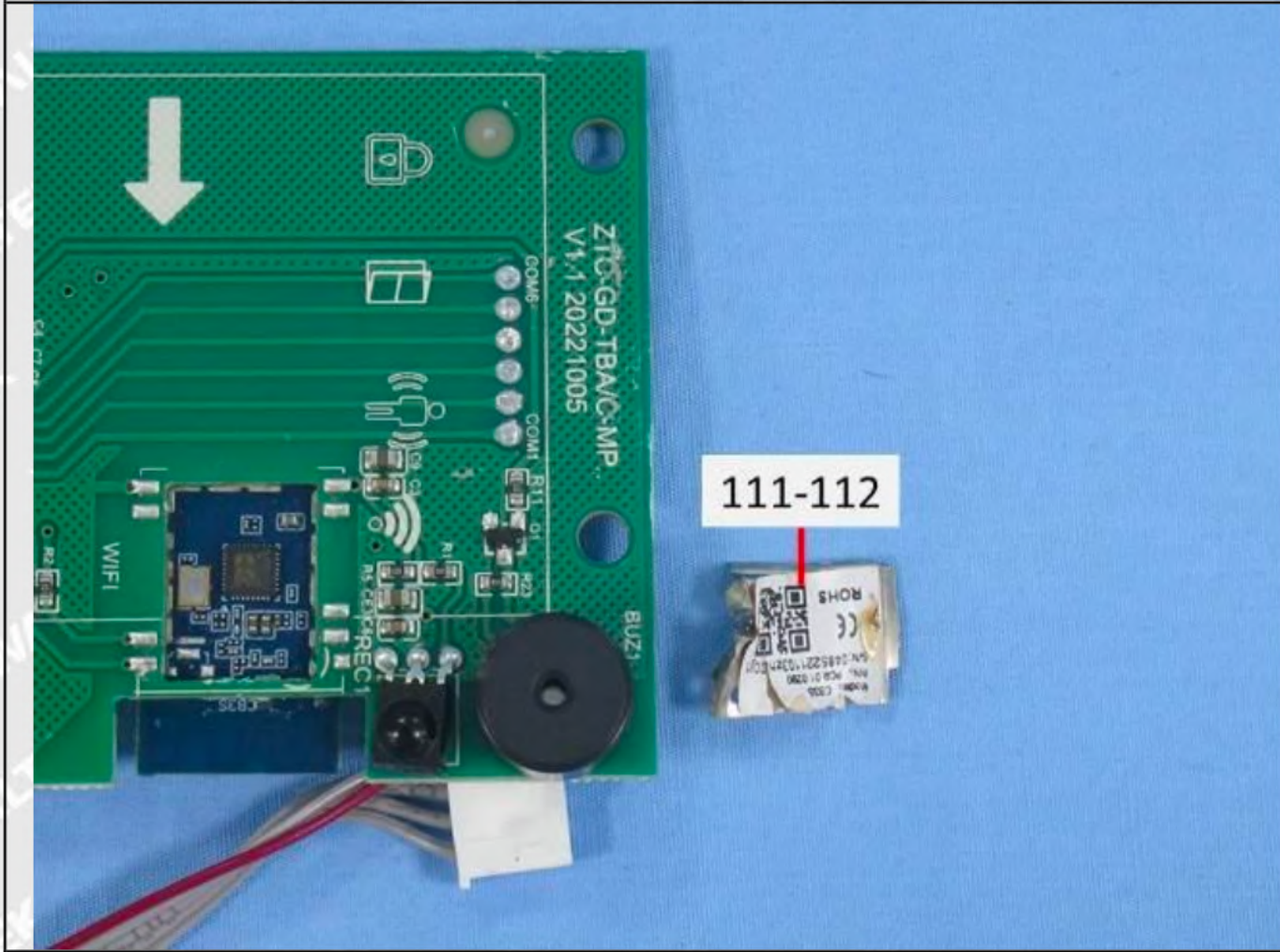
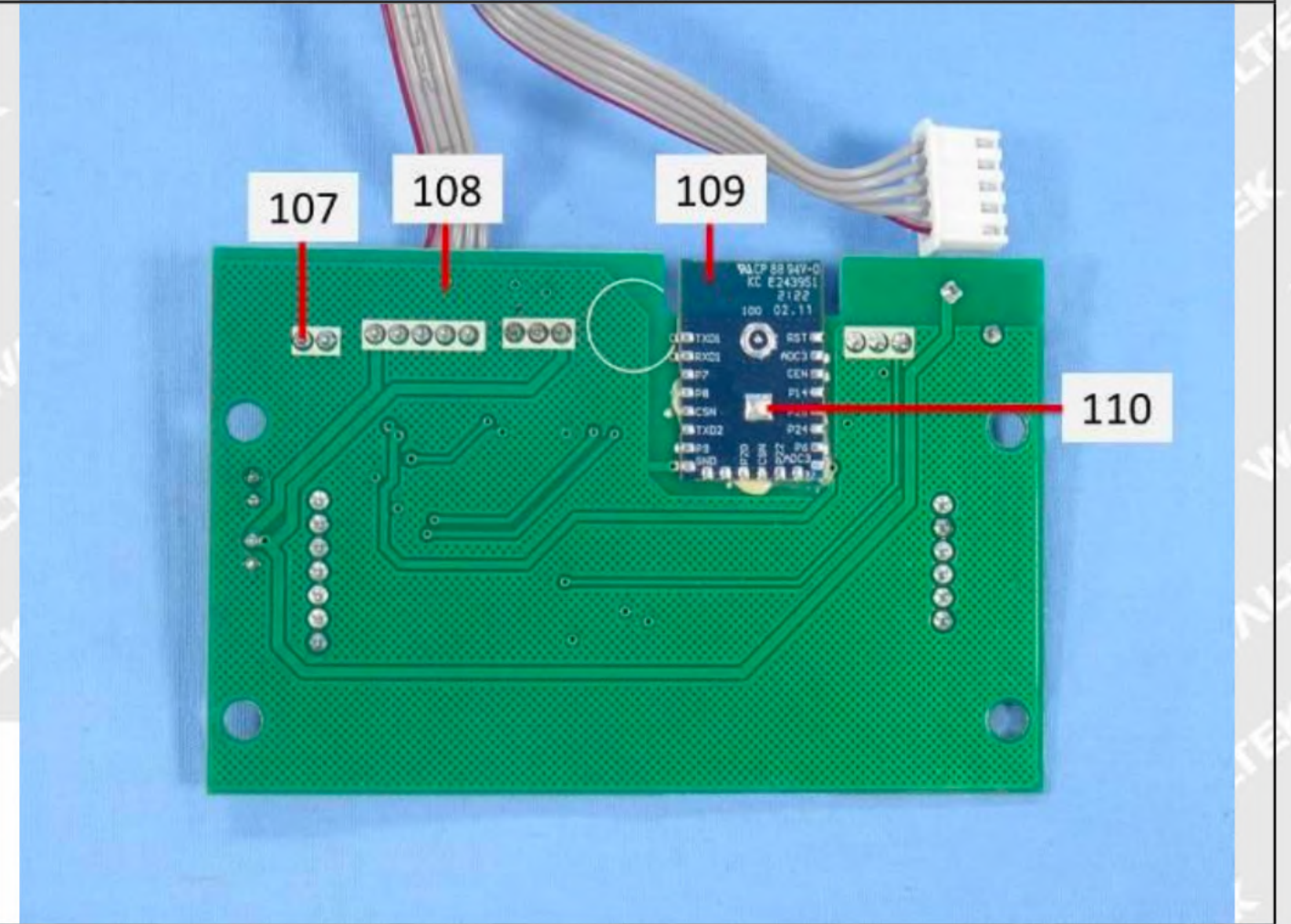
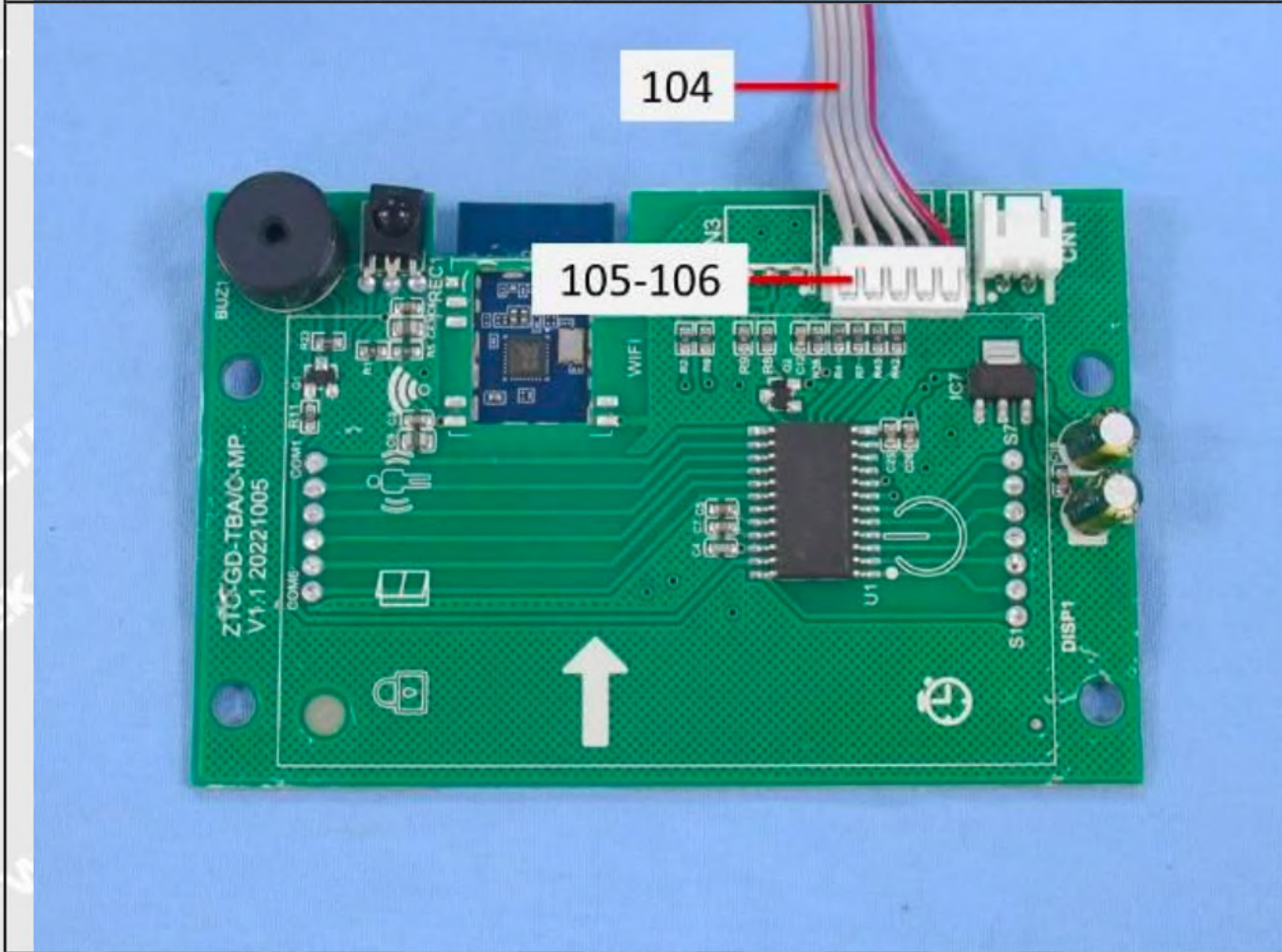
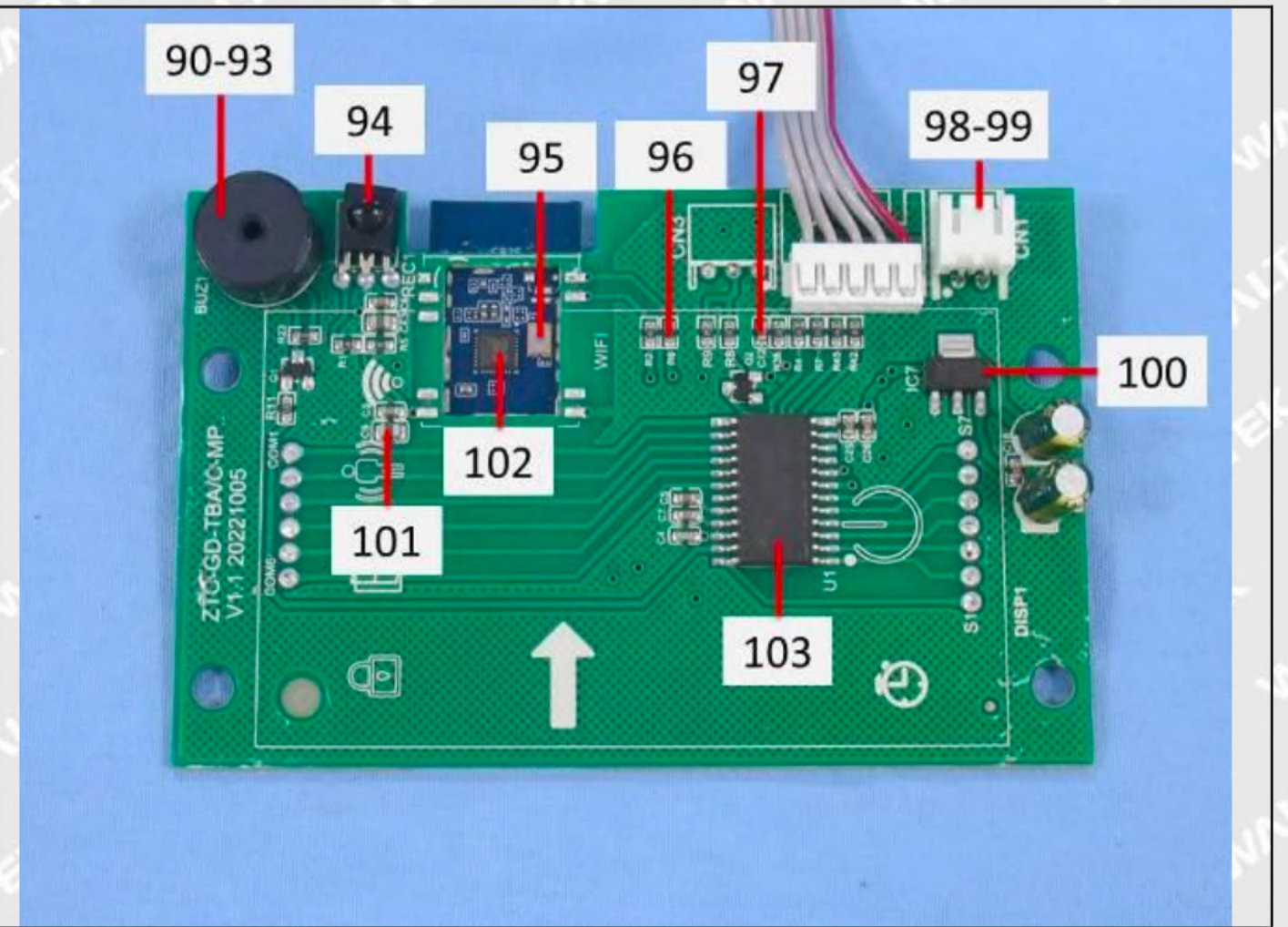
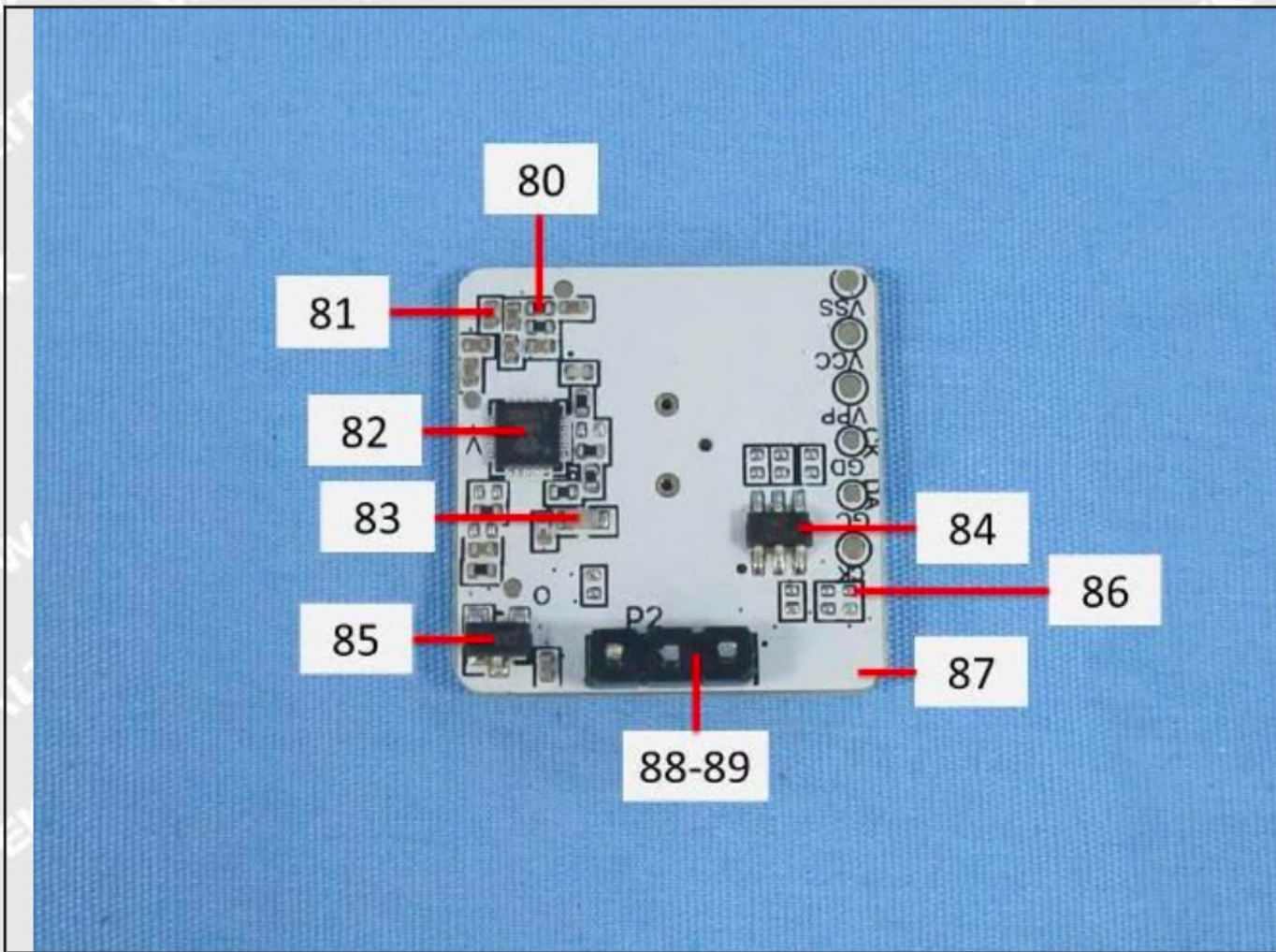


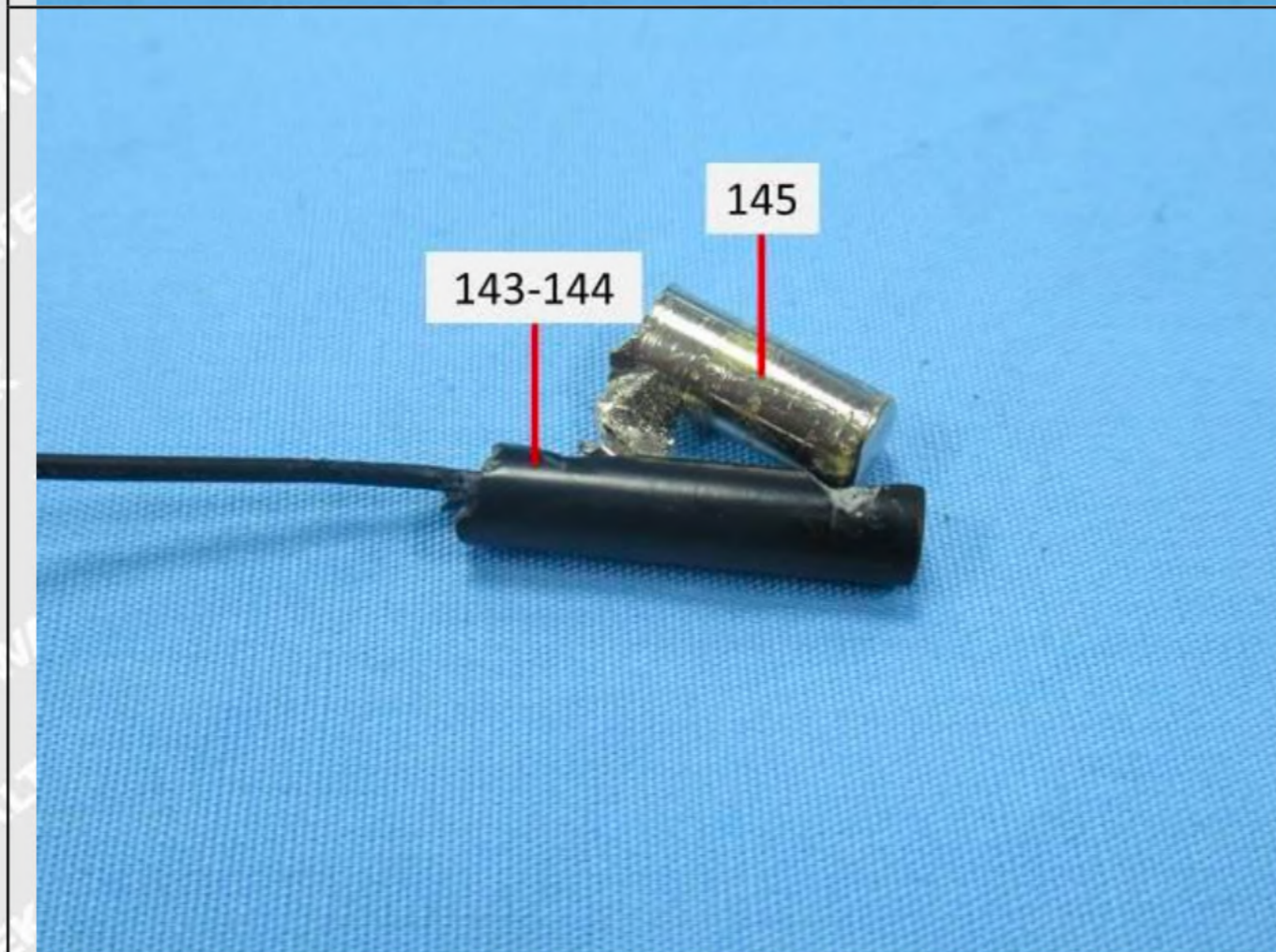
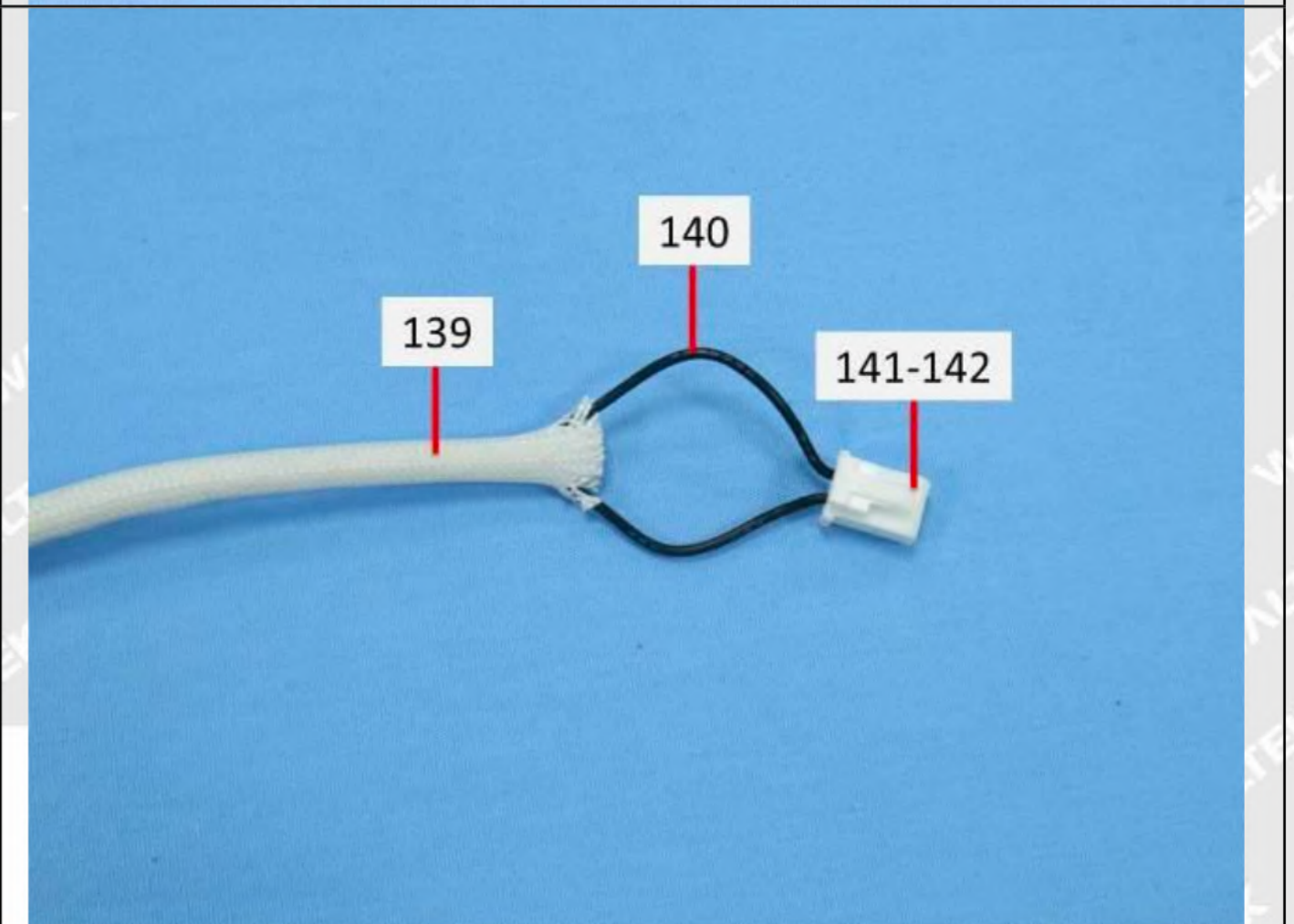
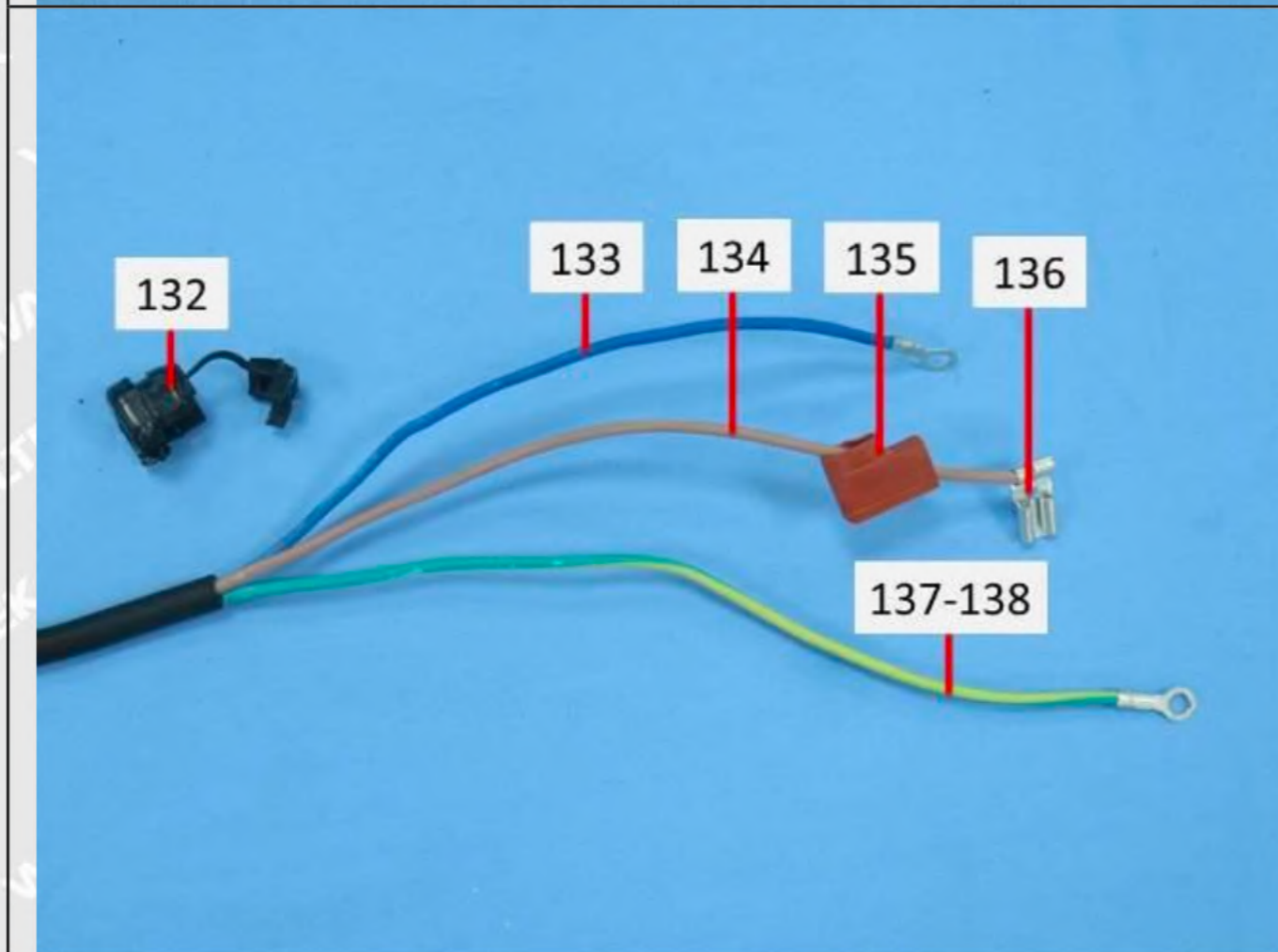
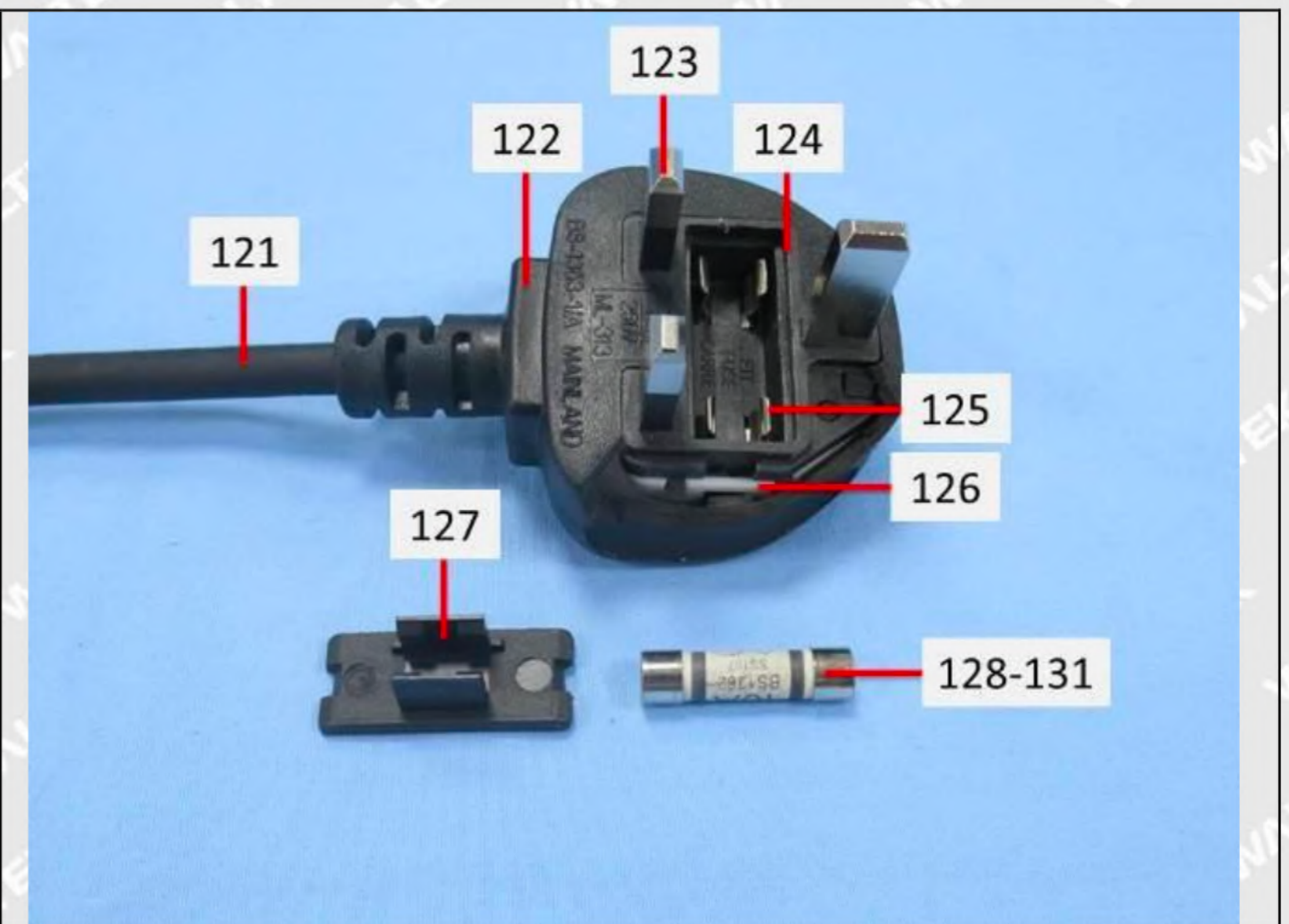
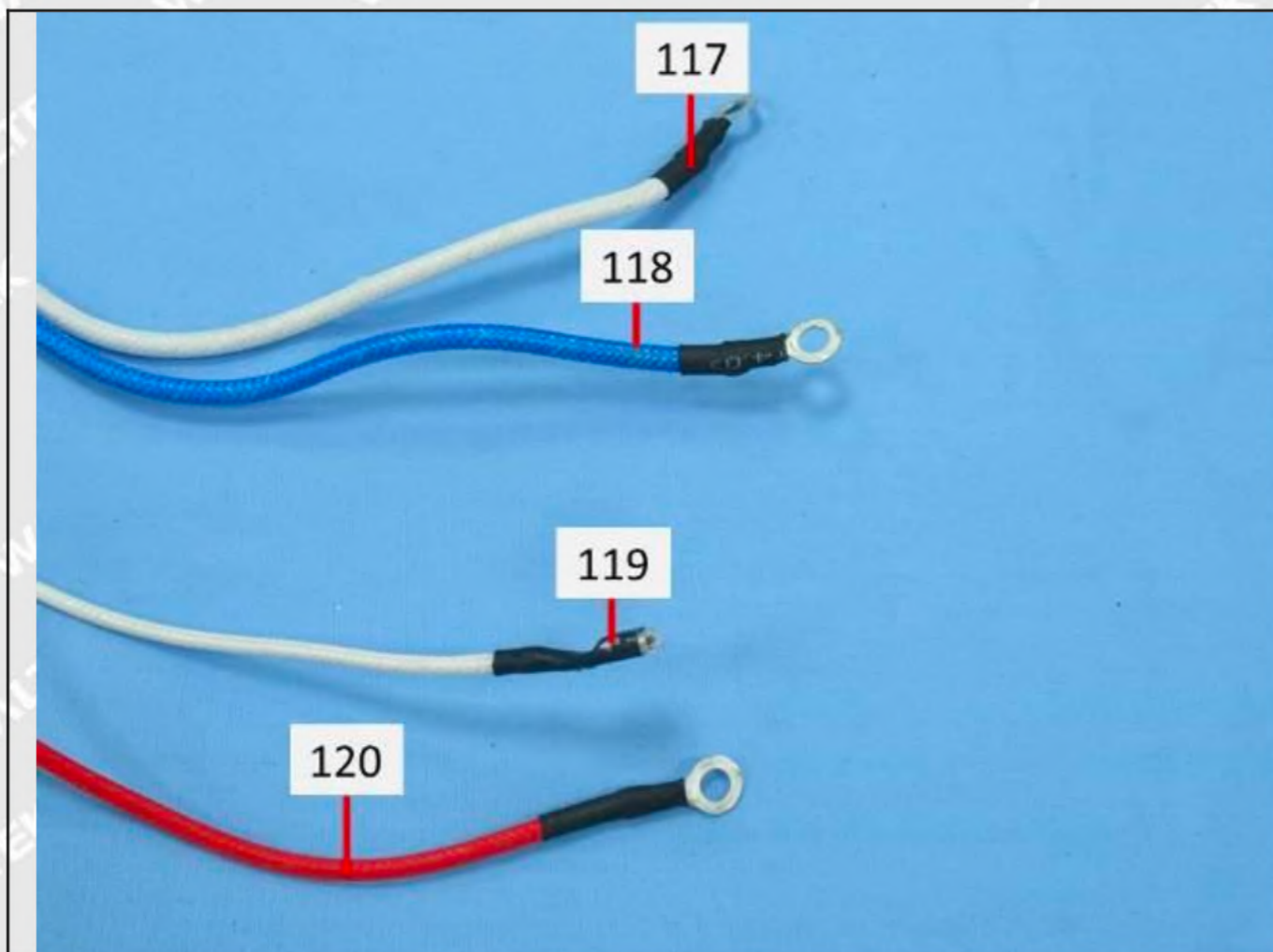
Report No.: WTF22F11238778C





Report No.: WTF22F11238778C







Report No.: WTF22F11238778C



Remarks:

1. The results shown in this test report refer only to the sample(s) tested;
2. This test report cannot be reproduced, except in full, without prior written permission of the company;
3. The report would be invalid without specific stamp of test institute and the signatures of compiler and approver;
4. The Applicant name and Address, the sample(s) and sample information was/were provided by the applicant who should be responsible for the authenticity which Waltek hasn't verified;
5. If the report is not stamped with the accreditation recognized seal, it will only be used for scientific research, education, and internal quality control activities, and is not used for the purpose of issuing supporting data to the society.
6. The sample material information (Model No. information) is provided by client, not verified by test laboratory. The samples of reference Model No. are not tested. Test laboratory not responsible for the accuracy, appropriateness, completeness and authenticity of the information provided by client.

==== End of Report =====