

TEST REPORT

Report No.: HA0123NB094287CH

Date: October 09, 2023

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Applicant : Yuyao Jinnan Electric Appliance Co., Ltd.
Address : No.1 Donggan South Road, Cao'e Village, Xiaocao'e Town, Yuyao City, Zhejiang, China
Manufacturer : Yuyao Jinnan Electric Appliance Co., Ltd.
Address : No.1 Donggan South Road, Cao'e Village, Xiaocao'e Town, Yuyao City, Zhejiang, China

The following samples were submitted and identified by/on behalf of the client as:

Sample Description : Multifunctional Intelligent Digital Display Electric Inflator
Model No. : JN-088, JN-058
Date of Sample Received : September 19, 2023
Sample Testing Date : September 19, 2023 to October 09, 2023

Test Requested	In accordance with the RoHS Directive 2011/65/EU and amend Directive (EU) 2015/863.
Test Method	- With reference to IEC 62321-3-1:2013, screening by EDXRF Spectroscopy. - With reference to IEC 62321-4:2013+A1:2017, determination of Mercury by ICP-OES. - With reference to IEC 62321-5:2013, determination of Lead, Cadmium by ICP-OES. - With reference to IEC 62321-6:2015, determination of PBBs and PBDEs by GC-MS. - With reference to IEC 62321-7-2:2017 & IEC 62321-7-1:2015, determination of Hexavalent Chromium by spot test/Colorimetric using UV-Vis. - With reference to IEC 62321-8:2017, determination of Diisobutyl phthalate(DIBP), Dibutyl phthalate(DBP), Benzylbutyl phthalate(BBP) and Bis(2-ethylhexyl) phthalate (DEHP) by GC-MS.
Test Result	Please refer to next pages.
Test Conclusion	Based on the performed tests on the submitted samples, the results comply with the RoHS Directive 2011/65/EU and amend Directive (EU) 2015/863.

***** For Further Details, Please Refer to the Following Page(s) *****

Compiled by:

Lucy Qiu

Lucy Qiu / Project Engineer

Approved by:


[Signature]

Miisa Yie / Laboratory Supervisor

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Sample Disassembly List

Part No.	Parts/Raw material name	
	Component Name	Part Description
1	Casing parts	Black plastic case
2		Silver metal screw
3		Black plastic case
4		Transparent film
5		Black rubber button
6		Transparent plastic buckle
7		Black rubber block
8		Black plastic connector
9	PCB board parts	Silver metal pin
10		Silver metal contact piece
11		Silver metal joint
12		Silver metal joint
13		SMD diode
14		SMD IC
15		SMD audion
16		SMD capacitor
17		Inductor
18		Copper winding (inductor)
19		SMD resistor
20		Electrolytic capacitor
21		Black plastic base (electrolytic capacitor)
22		SMD audion
23		SMD audion
24		SMD IC
25		Display

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Sample Disassembly List

Part No.	Parts/Raw material name	
	Component Name	Part Description
26	PCB board parts	Silver metal housing (switch)
27		Golden metal button (switch)
28		Black PCB board
29		Solder (PCB board)
30		Silver metal screw
31		Yellow SMD LED
32		White SMD LED
33		Black PCB board
34		Solder (PCB board)
35		Wire parts
36	Red plastic wire jacket	
37	Yellow plastic wire jacket	
38	Black plastic wire jacket	
39	White plastic buckled cap	
40	Silver metal buckle	
41	Black plastic wire jacket	
42	Blue plastic wire jacket	
43	Red plastic wire jacket	
44	Silver metal wire core	
45	Red plastic wire jacket	
46	Battery parts	Blue plastic battery case
47		Black sponge
48		Green paper
49		Black heat shrink tubing
50		Solder (PCB board)

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Sample Disassembly List

Part No.	Parts/Raw material name	
	Component Name	Part Description
51	Battery parts	Green PCB board
52		SMD IC
53		SMD audion
54	PCB/wire parts	Silver component
55		Green PCB board
56		Solder (PCB board)
57		Red plastic wire jacket
58		Black plastic wire jacket
59		Yellow plastic wire jacket
60		White plastic wire jacket
61		Black plastic wire jacket
62		Red plastic wire jacket
63		Black plastic
64		Golden metal
65		Black rubber hose
66		Silver metal spring
67	Beige plastic	
68	Black rubber washer	
69	Inner parts	Black rubber
70		Black rubber
71		Silver metal screw
72		Silver metal spring
73		Black rubber plug
74		Silver metal screw
75		Silver metal substrate

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Sample Disassembly List

Part No.	Parts/Raw material name	
	Component Name	Part Description
76	Inner parts	Bearing
77		Silver metal gear
78		Silver metal
79		Black rubber washer
80		Beige plastic
81		Silver metal washer
82		Black metal buckle
83		Silver metal screw
84		Beige plastic fan blade
85		Black plastic
86		Silver metal case
87		Silver metal decorative ring
88		Magnet
89		Silver metal wire
90	Silver metal gear	
91	Motor parts	Silver metal center shaft
92		Beige plastic gasket
93		Copper metal sheet
94		Beige plastic buckle
95		Silver silicon steel sheet
96		Copper winding
97		Golden metal spindle
98		Silver metal cover
99		Silver metal spindle
100		Beige plastic buckle

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Sample Disassembly List

Part No.	Parts/Raw material name	
	Component Name	Part Description
101	Motor parts	Silver metal screw
102		Soldering tin
103		Golden metal pin
104		Copper metal contact plate
105		Carbon
106	USB cable parts	Silver metal plug housing
107		Silver metal pin
108		White plastic plug inner core
109		Soldering tin
110		Black plastic plug housing
111		Silver metal plug housing
112		Black plastic plug inner core
113		Golden metal pin
114		Red PCB board
115		Solder (PCB board)
116		Pink plastic wire jacket
117		Blue plastic wire jacket
118		Black plastic side wire jacket
119		Black plastic
120		Silver metal end
121	Black rubber hose	
122	Accessories parts	Black fiber sleeve
123		Golden metal
124		Silver metal
125		Black plastic

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Part No.	Parts/Raw material name	
	Component Name	Part Description
126		Silver metal shaft
127		White rubber washer
128		Black heat shrink tubing
129		Black rubber
130		Black plastic
131		Black metal nut
132		Black metal screw
133		Silver metal end (fuse)
134		Transparent glass tube (fuse)
135		Silver metal wire (fuse)
136		Silver metal contact
137		Silver metal
138	Accessories parts	Silver metal
139		Copper metal spring
140		Silver metal press piece
141		Solder
142		Black plastic cable tie
143		Black plastic wire jacket
144		Silver metal plug
145		Black plastic plug inner core
146		Golden metal pin
147		Black plastic plug housing
148		Silver metal shaft
149		Silver metal
150		Golden metal

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Sample Disassembly List

Part No.	Parts/Raw material name	
	Component Name	Part Description
151	Accessories parts	Black plastic
152		Black textile bag
153		Black shrink rope
154	Wire parts	Red plastic wire jacket
155		Red plastic wire jacket
156		Black plastic wire jacket
157		Black plastic wire jacket
158		Yellow plastic wire jacket
159	Battery parts	Red paper
160		Green PCB board
161		Solder (PCB board)

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Screening Test by XRF Spectroscopy											
Part No.	Part Description	Result (mg/kg)									
		Pb	screening	Cd	screening	Hg	screening	Cr	screening	Br	screening
1	Black plastic case	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL
2	Silver metal screw	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	---	---
3	Black plastic case	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL
4	Transparent film	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL
5	Black rubber button	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL
6	Transparent plastic buckle	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL
7	Black rubber block	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL
8	Black plastic connector	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL
9	Silver metal pin	1189	IN	N.D.	BL	N.D.	BL	N.D.	BL	---	---
10	Silver metal contact piece	746	IN	102	IN	N.D.	BL	N.D.	BL	---	---
11	Silver metal joint	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	---	---
12	Silver metal joint	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	---	---
13	SMD diode	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	473	IN
14	SMD IC	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	268	IN
15	SMD audion	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	394	IN
16	SMD capacitor	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	477	IN
17	Inductor	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	---	---
18	Copper winding (inductor)	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	---	---
19	SMD resistor	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL
20	Electrolytic capacitor	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL
21	Black plastic base (electrolytic capacitor)	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL
22	SMD audion	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL
23	SMD audion	1719	OL	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL
24	SMD IC	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	629	IN

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Screening Test by XRF Spectroscopy											
Part No.	Part Description	Result (mg/kg)									
		Pb	screening	Cd	screening	Hg	screening	Cr	screening	Br	screening
25	Display	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL
26	Silver metal housing (switch)	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	---	---
27	Golden metal button (switch)	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	---	---
28	Black PCB board	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	628	IN
29	Solder (PCB board)	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	---	---
30	Silver metal screw	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	---	---
31	Yellow SMD LED	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL
32	White SMD LED	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL
33	Black PCB board	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL
34	Solder (PCB board)	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	---	---
35	Copper metal wire core	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	---	---
36	Red plastic wire jacket	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL
37	Yellow plastic wire jacket	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL
38	Black plastic wire jacket	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL
39	White plastic buckled cap	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL
40	Silver metal buckle	151988	OL	100	IN	N.D.	BL	N.D.	BL	---	---
41	Black plastic wire jacket	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL
42	Blue plastic wire jacket	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL
43	Red plastic wire jacket	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL
44	Silver metal wire core	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	---	---
45	Red plastic wire jacket	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL
46	Blue plastic battery case	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL
47	Black sponge	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL
48	Green paper	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL
49	Black heat shrink tubing	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL

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Part No.	Part Description	Result (mg/kg)									
		Pb	screening	Cd	screening	Hg	screening	Cr	screening	Br	screening
50	Solder (PCB board)	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	---	---
51	Green PCB board	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	3588	IN
52	SMD IC	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	2463	IN
53	SMD audion	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	2338	IN
54	Silver component	29333	OL	N.D.	BL	N.D.	BL	N.D.	BL	---	---
55	Green PCB board	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL
56	Solder (PCB board)	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	---	---
57	Red plastic wire jacket	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL
58	Black plastic wire jacket	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL
59	Yellow plastic wire jacket	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL
60	White plastic wire jacket	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL
61	Black plastic wire jacket	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL
62	Red plastic wire jacket	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL
63	Black plastic	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL
64	Golden metal	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	---	---
65	Black rubber hose	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL
66	Silver metal spring	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	---	---
67	Beige plastic	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL
68	Black rubber washer	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL
69	Black rubber	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL
70	Black rubber	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL
71	Silver metal screw	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	---	---
72	Silver metal spring	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	---	---
73	Black rubber plug	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL
74	Silver metal screw	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	---	---

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Part No.	Part Description	Result (mg/kg)									
		Pb	screening	Cd	screening	Hg	screening	Cr	screening	Br	screening
75	Silver metal substrate	8587	OL	N.D.	BL	N.D.	BL	N.D.	BL	---	---
76	Bearing	N.D.	BL	N.D.	BL	N.D.	BL	8193	IN	---	---
77	Silver metal gear	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	---	---
78	Silver metal	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	---	---
79	Black rubber washer	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL
80	Beige plastic	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL
81	Silver metal washer	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	---	---
82	Black metal buckle	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	---	---
83	Silver metal screw	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	---	---
84	Beige plastic fan blade	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL
85	Black plastic	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL
86	Silver metal case	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	---	---
87	Silver metal decorative ring	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	---	---
88	Magnet	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	---	---
89	Silver metal wire	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	---	---
90	Silver metal gear	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	---	---
91	Silver metal center shaft	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	---	---
92	Beige plastic gasket	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL
93	Copper metal sheet	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	---	---
94	Beige plastic buckle	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL
95	Silver silicon steel sheet	N.D.	BL	N.D.	BL	N.D.	BL	1093	IN	---	---
96	Copper winding	N.D.	BL	N.D.	BL	N.D.	BL	1157	IN	---	---
97	Golden metal spindle	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	---	---
98	Silver metal cover	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	---	---
99	Silver metal spindle	N.D.	BL	N.D.	BL	N.D.	BL	9131	IN	---	---

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Part No.	Part Description	Result (mg/kg)									
		Pb	screening	Cd	screening	Hg	screening	Cr	screening	Br	screening
100	Beige plastic buckle	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL
101	Silver metal screw	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	---	---
102	Soldering tin	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	---	---
103	Golden metal pin	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	---	---
104	Copper metal contact plate	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	---	---
105	Carbon	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL
106	Silver metal plug housing	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	---	---
107	Silver metal pin	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	---	---
108	White plastic plug inner core	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL
109	Soldering tin	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	---	---
110	Black plastic plug housing	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL
111	Silver metal plug housing	N.D.	BL	N.D.	BL	N.D.	BL	11594 5	IN	---	---
112	Black plastic plug inner core	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL
113	Golden metal pin	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	---	---
114	Red PCB board	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	3331	IN
115	Solder (PCB board)	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	---	---
116	Pink plastic wire jacket	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL
117	Blue plastic wire jacket	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL
118	Black plastic side wire jacket	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL
119	Black plastic	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL
120	Silver metal end	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	---	---
121	Black rubber hose	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL
122	Black fiber sleeve	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL
123	Golden metal▲	20987	OL	N.D.	BL	N.D.	BL	N.D.	BL	---	---
124	Silver metal	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	---	---

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Part No.	Part Description	Result (mg/kg)									
		Pb	screening	Cd	screening	Hg	screening	Cr	screening	Br	screening
125	Black plastic	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL
126	Silver metal shaft	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	---	---
127	White rubber washer	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL
128	Black heat shrink tubing	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL
129	Black rubber	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL
130	Black plastic	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	1703	IN
131	Black metal nut	N.D.	BL	N.D.	BL	N.D.	BL	3559	IN	---	---
132	Black metal screw	N.D.	BL	N.D.	BL	N.D.	BL	4161	IN	---	---
133	Silver metal end (fuse)	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	---	---
134	Transparent glass tube (fuse)	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	---	---
135	Silver metal wire (fuse)	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	---	---
136	Silver metal contact	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	---	---
137	Silver metal	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	---	---
138	Silver metal	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	---	---
139	Copper metal spring	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	---	---
140	Silver metal press piece	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	---	---
141	Solder	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	---	---
142	Black plastic cable tie	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL
143	Black plastic wire jacket	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL
144	Silver metal plug	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	---	---
145	Black plastic plug inner core	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL
146	Golden metal pin	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	---	---
147	Black plastic plug housing	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL
148	Silver metal shaft	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	---	---
149	Silver metal	1212	IN	N.D.	BL	N.D.	BL	N.D.	BL	---	---

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Part No.	Part Description	Result (mg/kg)									
		Pb	screening	Cd	screening	Hg	screening	Cr	screening	Br	screening
150	Golden metal	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	---	---
151	Black plastic	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL
152	Black textile bag	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL
153	Black shrink rope	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL
154	Red plastic wire jacket	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL
155	Red plastic wire jacket	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL
156	Black plastic wire jacket	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL
157	Black plastic wire jacket	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL
158	Yellow plastic wire jacket	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL
159	Red paper	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL
160	Green PCB board	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL
161	Solder (PCB board)	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	---	---

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Remark:

1. BL= Below Limit, OL= Over Limit, LOD = Limit of Detection, --- = Not Regulated, / = Not Tested
2. "IN" expresses the inconclusive region, and further chemical testing to confirm whether it complies with the requirement of RoHS Directive.
3. mg/kg= milligram per kilogram.
4. The XRF screening test for RoHS elements – the reading may be different to the actual content in the sample be of non-uniformity composition.
5. N.D. = Not Detected, less than the value of Method Detection Limit.
6. Results are obtained by EDXRF for primary screening, and further chemical testing by ICP (for Cd, Pb, Hg), UV-VIS (for Cr(VI)) 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	$BL \leq (70-3\sigma) < IN < (130+3\sigma) \leq OL$	$BL \leq (70-3\sigma) < IN < (130+3\sigma) \leq OL$	$LOD < IN < (150+3\sigma) \leq OL$
Pb	$BL \leq (700-3\sigma) < IN < (1300+3\sigma) \leq OL$	$BL \leq (700-3\sigma) < IN < (1300+3\sigma) \leq OL$	$BL \leq (500-3\sigma) < IN < (1500+3\sigma) \leq OL$
Hg	$BL \leq (700-3\sigma) < IN < (1300+3\sigma) \leq OL$	$BL \leq (700-3\sigma) < IN < 1300+3\sigma) \leq OL$	$BL \leq (500-3\sigma) < IN < (1500+3\sigma) \leq OL$
Cr	$BL \leq (700-3\sigma) < IN$	$BL \leq (700-3\sigma) < IN$	$BL \leq (500-3\sigma) < IN$
Br	$BL \leq (300-3\sigma) < IN$	---	$BL \leq (250-3\sigma) < IN$

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Confirmation Test by Wet Chemistry								
Part No.	Part Description	Result (mg/kg)						Conclusion
		Pb	Cd	Hg	Cr(VI)	PBBs	PBDEs	
MDL		5	5	5	2^	5	5	
1	Black plastic case	/	/	/	/	/	/	P
2	Silver metal screw	/	/	/	/	---	---	P
3	Black plastic case	/	/	/	/	/	/	P
4	Transparent film	/	/	/	/	/	/	P
5	Black rubber button	/	/	/	/	/	/	P
6	Transparent plastic buckle	/	/	/	/	/	/	P
7	Black rubber block	/	/	/	/	/	/	P
8	Black plastic connector	/	/	/	/	/	/	P
9	Silver metal pin	50	/	/	/	---	---	P
10	Silver metal contact piece	52	11	/	/	---	---	P
11	Silver metal joint	/	/	/	/	---	---	P
12	Silver metal joint	/	/	/	/	---	---	P
13	SMD diode	/	/	/	/	N.D.	N.D.	P
14	SMD IC	/	/	/	/	N.D.	N.D.	P
15	SMD audion	/	/	/	/	N.D.	N.D.	P
16	SMD capacitor	/	/	/	/	N.D.	N.D.	P
17	Inductor	/	/	/	/	---	---	P
18	Copper winding (inductor)	/	/	/	/	---	---	P
19	SMD resistor	/	/	/	/	/	/	P
20	Electrolytic capacitor	/	/	/	/	/	/	P
21	Black plastic base (electrolytic capacitor)	/	/	/	/	/	/	P
22	SMD audion	/	/	/	/	/	/	P
23	SMD audion	10	/	/	/	/	/	P

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Confirmation Test by Wet Chemistry								
Part No.	Part Description	Result (mg/kg)						Conclusion
		Pb	Cd	Hg	Cr(VI)	PBBs	PBDEs	
MDL		5	5	5	2^	5	5	
24	SMD IC	/	/	/	/	N.D.	N.D.	P
25	Display	/	/	/	/	/	/	P
26	Silver metal housing (switch)	/	/	/	/	---	---	P
27	Golden metal button (switch)	/	/	/	/	---	---	P
28	Black PCB board	/	/	/	/	N.D.	N.D.	P
29	Solder (PCB board)	/	/	/	/	---	---	P
30	Silver metal screw	/	/	/	/	---	---	P
31	Yellow SMD LED	/	/	/	/	/	/	P
32	White SMD LED	/	/	/	/	/	/	P
33	Black PCB board	/	/	/	/	/	/	P
34	Solder (PCB board)	/	/	/	/	---	---	P
35	Copper metal wire core	/	/	/	/	---	---	P
36	Red plastic wire jacket	/	/	/	/	/	/	P
37	Yellow plastic wire jacket	/	/	/	/	/	/	P
38	Black plastic wire jacket	/	/	/	/	/	/	P
39	White plastic buckled cap	/	/	/	/	/	/	P
40	Silver metal buckle	72	N.D.	/	/	---	---	P
41	Black plastic wire jacket	/	/	/	/	/	/	P
42	Blue plastic wire jacket	/	/	/	/	/	/	P
43	Red plastic wire jacket	/	/	/	/	/	/	P
44	Silver metal wire core	/	/	/	/	---	---	P
45	Red plastic wire jacket	/	/	/	/	/	/	P
46	Blue plastic battery case	/	/	/	/	/	/	P
47	Black sponge	/	/	/	/	/	/	P

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Confirmation Test by Wet Chemistry								
Part No.	Part Description	Result (mg/kg)						Conclusion
		Pb	Cd	Hg	Cr(VI)	PBBs	PBDEs	
MDL		5	5	5	2^	5	5	
48	Green paper	/	/	/	/	/	/	P
49	Black heat shrink tubing	/	/	/	/	/	/	P
50	Solder (PCB board)	/	/	/	/	---	---	P
51	Green PCB board	/	/	/	/	N.D.	N.D.	P
52	SMD IC	/	/	/	/	N.D.	N.D.	P
53	SMD audion	/	/	/	/	N.D.	N.D.	P
54	Silver component	N.D.	/	/	/	---	---	P
55	Green PCB board	/	/	/	/	/	/	P
56	Solder (PCB board)	/	/	/	/	---	---	P
57	Red plastic wire jacket	/	/	/	/	/	/	P
58	Black plastic wire jacket	/	/	/	/	/	/	P
59	Yellow plastic wire jacket	/	/	/	/	/	/	P
60	White plastic wire jacket	/	/	/	/	/	/	P
61	Black plastic wire jacket	/	/	/	/	/	/	P
62	Red plastic wire jacket	/	/	/	/	/	/	P
63	Black plastic	/	/	/	/	/	/	P
64	Golden metal	/	/	/	/	---	---	P
65	Black rubber hose	/	/	/	/	/	/	P
66	Silver metal spring	/	/	/	/	---	---	P
67	Beige plastic	/	/	/	/	/	/	P
68	Black rubber washer	/	/	/	/	/	/	P
69	Black rubber	/	/	/	/	/	/	P
70	Black rubber	/	/	/	/	/	/	P
71	Silver metal screw	/	/	/	/	---	---	P

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Confirmation Test by Wet Chemistry								
Part No.	Part Description	Result (mg/kg)						Conclusion
		Pb	Cd	Hg	Cr(VI)	PBBs	PBDEs	
MDL		5	5	5	2^	5	5	
72	Silver metal spring	/	/	/	/	---	---	P
73	Black rubber plug	/	/	/	/	/	/	P
74	Silver metal screw	/	/	/	/	---	---	P
75	Silver metal substrate	94	/	/	/	---	---	P
76	Bearing	/	/	/	Negative	---	---	P
77	Silver metal gear	/	/	/	/	---	---	P
78	Silver metal	/	/	/	/	---	---	P
79	Black rubber washer	/	/	/	/	/	/	P
80	Beige plastic	/	/	/	/	/	/	P
81	Silver metal washer	/	/	/	/	---	---	P
82	Black metal buckle	/	/	/	/	---	---	P
83	Silver metal screw	/	/	/	/	---	---	P
84	Beige plastic fan blade	/	/	/	/	/	/	P
85	Black plastic	/	/	/	/	/	/	P
86	Silver metal case	/	/	/	/	---	---	P
87	Silver metal decorative ring	/	/	/	/	---	---	P
88	Magnet	/	/	/	/	---	---	P
89	Silver metal wire	/	/	/	/	---	---	P
90	Silver metal gear	/	/	/	/	---	---	P
91	Silver metal center shaft	/	/	/	/	---	---	P
92	Beige plastic gasket	/	/	/	/	/	/	P
93	Copper metal sheet	/	/	/	/	---	---	P
94	Beige plastic buckle	/	/	/	/	/	/	P
95	Silver silicon steel sheet	/	/	/	Negative	---	---	P

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Part No.	Part Description	Result (mg/kg)						Conclusion
		Pb	Cd	Hg	Cr(VI)	PBBs	PBDEs	
MDL		5	5	5	2^	5	5	
96	Copper winding	/	/	/	Negative	---	---	P
97	Golden metal spindle	/	/	/	/	---	---	P
98	Silver metal cover	/	/	/	/	---	---	P
99	Silver metal spindle	/	/	/	Negative	---	---	P
100	Beige plastic buckle	/	/	/	/	/	/	P
101	Silver metal screw	/	/	/	/	---	---	P
102	Soldering tin	/	/	/	/	---	---	P
103	Golden metal pin	/	/	/	/	---	---	P
104	Copper metal contact plate	/	/	/	/	---	---	P
105	Carbon	/	/	/	/	/	/	P
106	Silver metal plug housing	/	/	/	/	---	---	P
107	Silver metal pin	/	/	/	/	---	---	P
108	White plastic plug inner core	/	/	/	/	/	/	P
109	Soldering tin	/	/	/	/	---	---	P
110	Black plastic plug housing	/	/	/	/	/	/	P
111	Silver metal plug housing	/	/	/	Negative	---	---	P
112	Black plastic plug inner core	/	/	/	/	/	/	P
113	Golden metal pin	/	/	/	/	---	---	P
114	Red PCB board	/	/	/	/	N.D.	N.D.	P
115	Solder (PCB board)	/	/	/	/	---	---	P
116	Pink plastic wire jacket	/	/	/	/	/	/	P
117	Blue plastic wire jacket	/	/	/	/	/	/	P
118	Black plastic side wire jacket	/	/	/	/	/	/	P
119	Black plastic	/	/	/	/	/	/	P

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Part No.	Part Description	Result (mg/kg)						Conclusion
		Pb	Cd	Hg	Cr(VI)	PBBs	PBDEs	
MDL		5	5	5	2^	5	5	
120	Silver metal end	/	/	/	/	---	---	P
121	Black rubber hose	/	/	/	/	/	/	P
122	Black fiber sleeve	/	/	/	/	/	/	P
123	Golden metal▲	30169	/	/	/	---	---	P
124	Silver metal	/	/	/	/	---	---	P
125	Black plastic	/	/	/	/	/	/	P
126	Silver metal shaft	/	/	/	/	---	---	P
127	White rubber washer	/	/	/	/	/	/	P
128	Black heat shrink tubing	/	/	/	/	/	/	P
129	Black rubber	/	/	/	/	/	/	P
130	Black plastic	/	/	/	/	N.D.	N.D.	P
131	Black metal nut	/	/	/	Negative	---	---	P
132	Black metal screw	/	/	/	Negative	---	---	P
133	Silver metal end (fuse)	/	/	/	/	---	---	P
134	Transparent glass tube (fuse)	/	/	/	/	---	---	P
135	Silver metal wire (fuse)	/	/	/	/	---	---	P
136	Silver metal contact	/	/	/	/	---	---	P
137	Silver metal	/	/	/	/	---	---	P
138	Silver metal	/	/	/	/	---	---	P
139	Copper metal spring	/	/	/	/	---	---	P
140	Silver metal press piece	/	/	/	/	---	---	P
141	Solder	/	/	/	/	---	---	P
142	Black plastic cable tie	/	/	/	/	/	/	P
143	Black plastic wire jacket	/	/	/	/	/	/	P

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Confirmation Test by Wet Chemistry								
Part No.	Part Description	Result (mg/kg)						Conclusion
		Pb	Cd	Hg	Cr(VI)	PBBs	PBDEs	
MDL		5	5	5	2^	5	5	
144	Silver metal plug	/	/	/	/	---	---	P
145	Black plastic plug inner core	/	/	/	/	/	/	P
146	Golden metal pin	/	/	/	/	---	---	P
147	Black plastic plug housing	/	/	/	/	/	/	P
148	Silver metal shaft	/	/	/	/	---	---	P
149	Silver metal	45	/	/	/	---	---	P
150	Golden metal	/	/	/	/	---	---	P
151	Black plastic	/	/	/	/	/	/	P
152	Black textile bag	/	/	/	/	/	/	P
153	Black shrink rope	/	/	/	/	/	/	P
154	Red plastic wire jacket	/	/	/	/	/	/	P
155	Red plastic wire jacket	/	/	/	/	/	/	P
156	Black plastic wire jacket	/	/	/	/	/	/	P
157	Black plastic wire jacket	/	/	/	/	/	/	P
158	Yellow plastic wire jacket	/	/	/	/	/	/	P
159	Red paper	/	/	/	/	/	/	P
160	Green PCB board	/	/	/	/	/	/	P
161	Solder (PCB board)	/	/	/	/	---	---	P

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Limit requirements:						
	Pb	Cd	Hg	Cr(VI)	PBBs	PBDEs
Maximum permissible Limit (mg/kg)	1000	100	1000	1000	1000	1000

Remark:

1. N.D. = Not Detected, less than the value of Method Detection Limit.
2. mg/kg= milligram per kilogram.
3. MDL= Method Detection Limit in wet chemical test, --- = Not Regulated, / = Not Tested.
4. P =The result complies with the limit requirement, F =The result does not comply with the limit requirement.
5. “^”= MDL of Cr(VI) for non-metal sample is 2mg/kg, MDL of Cr(VI) for metal sample is 0.02mg/kg(Sample extraction solution).
6. Result on Cr(VI) for metal sample is shown as Positive/Negative. Positive = Presence of Cr(VI); Negative = Absence of Cr(VI). (Positive indicates the presence of Cr6+ on the tested areas, the result be regarded as conflict with RoHS requirement. Negative indicates the absence of Cr6+ on the tested areas, the result be regarded as no conflict with RoHS requirement.)
7. “▲”= Lead (Pb) in "No. 123 is exempted from EU RoHS Directive 2011/65/EU. The corresponding exemption clause 6 (c): Lead content in copper alloy elements is less than 4%.

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DIBP, DBP, BBP, DEHP						
Test No.	Part No.	Result (mg/kg)				Conclusion
		DIBP	DBP	BBP	DEHP	
MDL		30	30	30	30	
T01	4	N.D.	45	N.D.	52	P
T02	5	N.D.	N.D.	N.D.	N.D.	P
T03	7	N.D.	N.D.	N.D.	N.D.	P
T04	1+3+6	N.D.	N.D.	N.D.	N.D.	P
T05	36+37+38	N.D.	N.D.	N.D.	57	P
T06	41+42	N.D.	N.D.	N.D.	N.D.	P
T07	43+45	N.D.	N.D.	N.D.	N.D.	P
T08	46+47	N.D.	N.D.	N.D.	50	P
T09	48+49+159	N.D.	N.D.	N.D.	N.D.	P
T10	57+58+59+60	N.D.	N.D.	N.D.	N.D.	P
T11	61+62	N.D.	N.D.	N.D.	N.D.	P
T12	65	N.D.	N.D.	N.D.	112	P
T13	68+73	N.D.	N.D.	N.D.	N.D.	P
T14	69+70	N.D.	N.D.	N.D.	54	P
T15	79	N.D.	N.D.	N.D.	N.D.	P
T16	39+63	N.D.	N.D.	N.D.	N.D.	P
T17	67+80	N.D.	N.D.	N.D.	N.D.	P
T18	84+85+92	N.D.	N.D.	N.D.	N.D.	P
T19	94+100	N.D.	N.D.	N.D.	N.D.	P
T20	108+110	N.D.	N.D.	N.D.	N.D.	P
T21	112+114	N.D.	N.D.	N.D.	N.D.	P
T22	116+117	N.D.	N.D.	N.D.	N.D.	P
T23	118	N.D.	N.D.	N.D.	N.D.	P
T24	121	N.D.	N.D.	N.D.	N.D.	P

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DIBP, DBP, BBP, DEHP						
Test No.	Part No.	Result (mg/kg)				Conclusion
		DIBP	DBP	BBP	DEHP	
MDL		30	30	30	30	
T25	128	N.D.	N.D.	N.D.	N.D.	P
T26	127+129	N.D.	N.D.	N.D.	N.D.	P
T27	119+122+125	N.D.	N.D.	N.D.	N.D.	P
T28	142+143	N.D.	N.D.	N.D.	N.D.	P
T29	145+147	N.D.	N.D.	N.D.	N.D.	P
T30	130+151	N.D.	N.D.	N.D.	N.D.	P
T31	152+153	N.D.	N.D.	N.D.	N.D.	P
T32	154+155	N.D.	N.D.	N.D.	N.D.	P
T33	156+157	N.D.	N.D.	N.D.	N.D.	P
T34	158	N.D.	N.D.	N.D.	N.D.	P
T35	8+21+28	N.D.	N.D.	N.D.	N.D.	P
T36	33+51	N.D.	N.D.	N.D.	N.D.	P
T37	55+160	N.D.	N.D.	N.D.	N.D.	P

Limit requirements:				
	DIBP	DBP	BBP	DEHP
Maximum permissible Limit (mg/kg)	1000	1000	1000	1000

Remark:

1. DIBP= Diisobutyl phthalate, DBP= Dibutyl phthalate, BBP= Benzylbutyl phthalate, DEHP= Bis(2-ethylhexyl) phthalate
2. N.D. = Not Detected, less than the value of Method Detection Limit.
3. mg/kg= milligram per kilogram.
4. MDL= Method Detection Limit in wet chemical test.
5. P =The result complies with the limit requirement, F =The result does not comply with the limit requirement.

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Sample Photo



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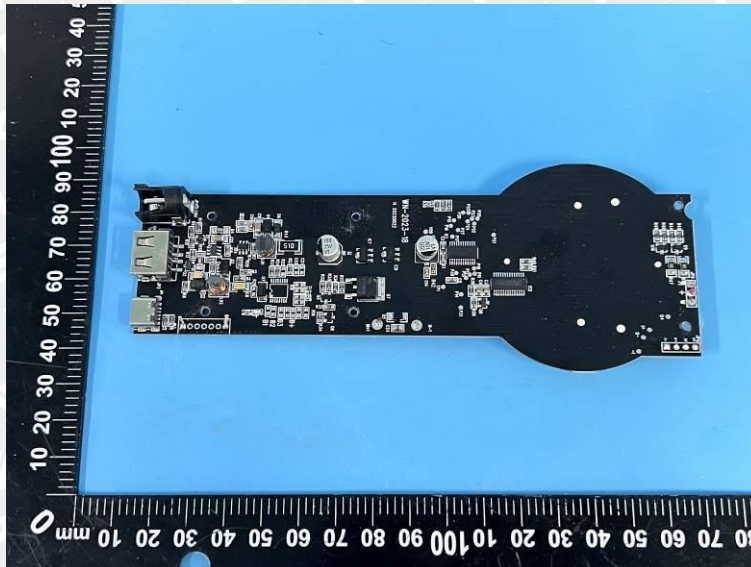
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Test Part Photo



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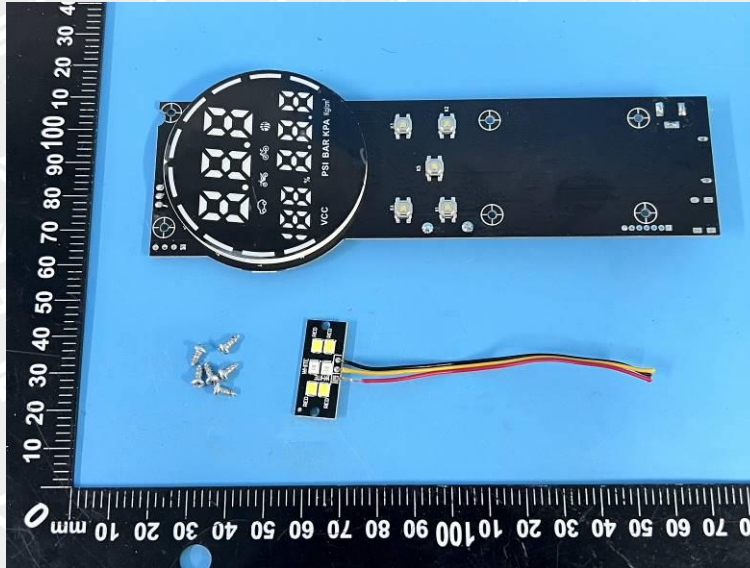
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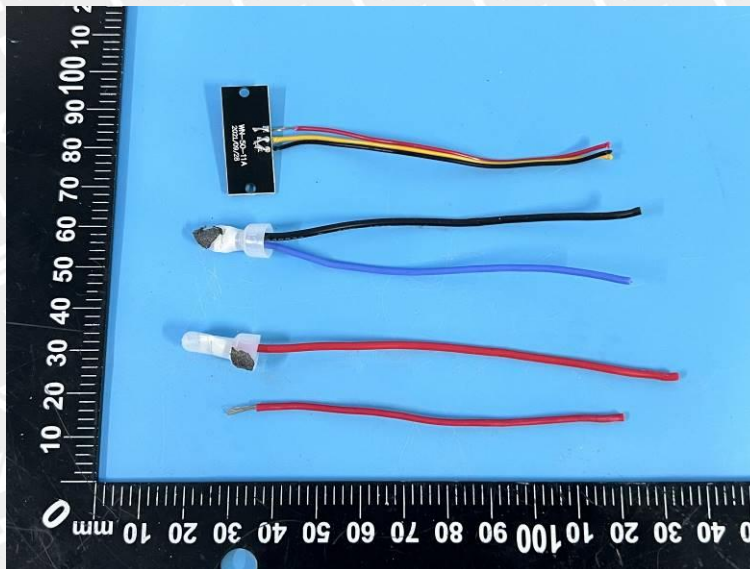
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Test Part Photo



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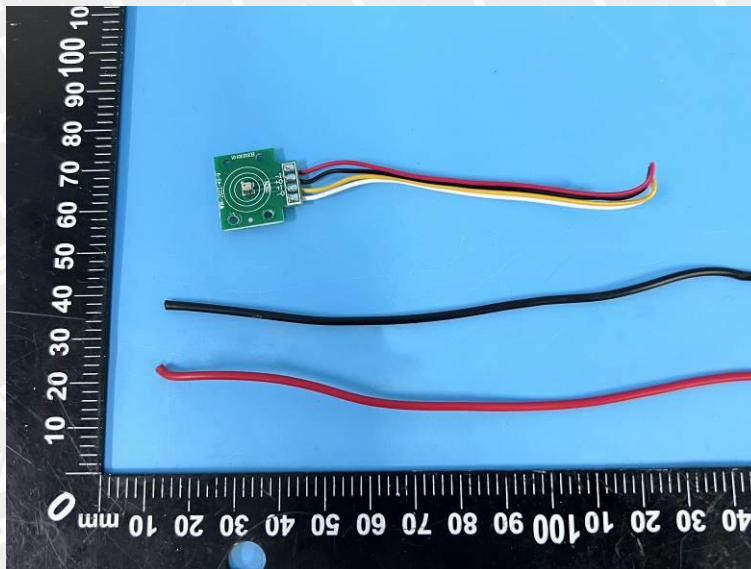
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Test Part Photo



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Test Part Photo



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Test Part Photo



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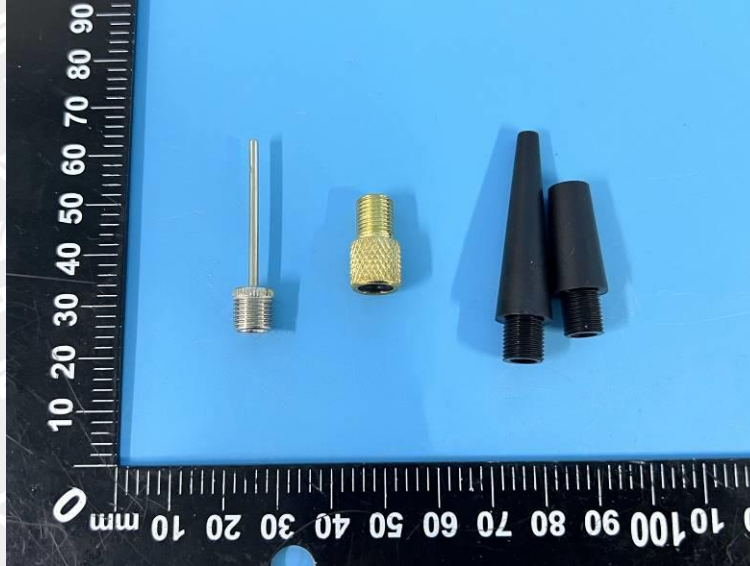
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Test Part Photo



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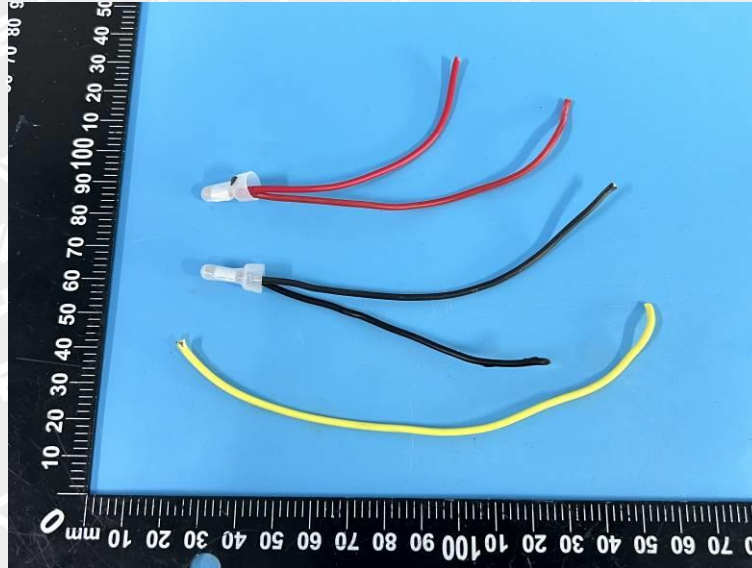
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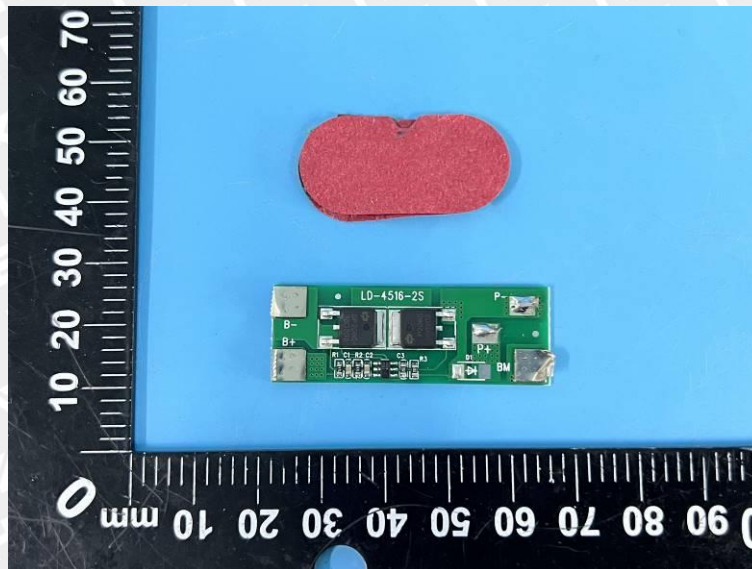
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Test Part Photo



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

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