Test Report

Report No. : TCT250428C009001 Date : May. 10, 2025 Page No.: 1 of 54

Applicant: **Shenzhen Uwell Technology Co., Ltd.**

Address: **101, Building B, No. 252, Yongfu Road, Tangwei Community, Fuhai Sub-district, Bao'an District, Shenzhen City, Guangdong Province, China**

The following sample was submitted and identified by/on behalf of the client as:

Sample Name: UWELL CALIBURN G5 KOKO

Model No.: UWELL CALIBURN G5 KOKO

Trade Mark: UWELL

Sample Received Date: 2025.04.28

Testing Period: 2025.04.28—2025.05.10

Test Method: 1. Sample Screening test with reference to IEC 62321-3-1:2013

2. Chemical Test Method

a. Determination of Lead, Cadmium by ICP-OES with reference to IEC 62321-5:2013

b. Determination of Mercury by ICP-OES with reference to IEC 62321-4:2013+AMD1:2017

c. Determination of Hexavalent Chromium by Colorimetric method using UV-Vis with reference to IEC 62321-7-1:2015, IEC 62321-7-2:2017

d. Determination of PBBs and PBDEs by GC-MS with reference to IEC 62321-6:2015

e. Determination of DBP, BBP, DEHP and DIBP by GC-MS with reference to IEC 62321-8:2017

Test Result(s): Please refer to the following page(s).

Test Requested	Conclusion
As specified by client, Disassembly the sample and determine the Lead(Pb), Cadmium(Cd), Mercury(Hg), Hexavalent Chromium(Cr(VI)), Polybrominated Biphenyls(PBBs), Polybrominated Diphenyl Ethers(PBDEs), Bis-(2-ethylhexyl) Phthalate (DEHP), Benzylbutyl Phthalate (BBP), Dibutyl Phthalate (DBP) and Diisobutyl Phthalate(DIBP) content of the parts in accordance with RoHS directive 2011/65/EU and the amendment directive (EU) 2015/863.	Pass

Checked by

Evan Fang

Approved by

Ryan Zhang

Technical Manager

Test Result(s)

Part No.	Part Description	Test Item(s)	Result of EDXRF Screening test (1)	Result of Chemical Test (2) (mg/kg)	RoHS Conclusion
1	Black translucent plastic	Pb	BL	---	Pass
		Cd	BL	---	Pass
		Hg	BL	---	Pass
		Cr(VI)	BL	---	Pass
		PBBs	BL	---	Pass
		PBDEs	BL	---	Pass
		DBP	---	N.D.	Pass
		BBP	---	N.D.	Pass
		DEHP	---	N.D.	Pass
		DIBP	---	N.D.	Pass
2	Pink leather	Pb	BL	---	Pass
		Cd	BL	---	Pass
		Hg	BL	---	Pass
		Cr(VI)	BL	---	Pass
		PBBs	BL	---	Pass
		PBDEs	BL	---	Pass
		DBP	---	N.D.	Pass
		BBP	---	N.D.	Pass
		DEHP	---	N.D.	Pass
		DIBP	---	N.D.	Pass
3	Silvery color metal	Pb	BL	---	Pass
		Cd	BL	---	Pass
		Hg	BL	---	Pass
		Cr(VI)	IN	N.D.	Pass
		PBBs	---	---	NA
		PBDEs	---	---	NA
		DBP	---	---	NA
		BBP	---	---	NA
		DEHP	---	---	NA
		DIBP	---	---	NA

Part No.	Part Description	Test Item(s)	Result of EDXRF Screening test (1)	Result of Chemical Test (2) (mg/kg)	RoHS Conclusion
4	Pink coating	Pb	BL	---	Pass
		Cd	BL	---	Pass
		Hg	BL	---	Pass
		Cr(VI)	BL	---	Pass
		PBBs	BL	---	Pass
		PBDEs	BL	---	Pass
		DBP	---	N.D.	Pass
		BBP	---	N.D.	Pass
		DEHP	---	N.D.	Pass
		DIBP	---	N.D.	Pass
5	Transparent double-side tape	Pb	BL	---	Pass
		Cd	BL	---	Pass
		Hg	BL	---	Pass
		Cr(VI)	BL	---	Pass
		PBBs	BL	---	Pass
		PBDEs	BL	---	Pass
		DBP	---	N.D.	Pass
		BBP	---	N.D.	Pass
		DEHP	---	N.D.	Pass
		DIBP	---	N.D.	Pass
6	Black translucent plastic button	Pb	BL	---	Pass
		Cd	BL	---	Pass
		Hg	BL	---	Pass
		Cr(VI)	BL	---	Pass
		PBBs	BL	---	Pass
		PBDEs	BL	---	Pass
		DBP	---	N.D.	Pass
		BBP	---	N.D.	Pass
		DEHP	---	N.D.	Pass
		DIBP	---	N.D.	Pass

Part No.	Part Description	Test Item(s)	Result of EDXRF Screening test (1)	Result of Chemical Test (2) (mg/kg)	RoHS Conclusion
7	Black plastic	Pb	BL	---	Pass
		Cd	BL	---	Pass
		Hg	BL	---	Pass
		Cr(VI)	BL	---	Pass
		PBBs	BL	---	Pass
		PBDEs	BL	---	Pass
		DBP	---	N.D.	Pass
		BBP	---	N.D.	Pass
		DEHP	---	N.D.	Pass
		DIBP	---	N.D.	Pass
8	Silvery color metal screw with black coating	Pb	BL	---	Pass
		Cd	BL	---	Pass
		Hg	BL	---	Pass
		Cr(VI)	BL	---	Pass
		PBBs	---	---	NA
		PBDEs	---	---	NA
		DBP	---	---	NA
		BBP	---	---	NA
		DEHP	---	---	NA
		DIBP	---	---	NA
9	Black plastic	Pb	BL	---	Pass
		Cd	BL	---	Pass
		Hg	BL	---	Pass
		Cr(VI)	BL	---	Pass
		PBBs	IN	N.D.	Pass
		PBDEs	IN	N.D.	Pass
		DBP	---	N.D.	Pass
		BBP	---	N.D.	Pass
		DEHP	---	N.D.	Pass
		DIBP	---	N.D.	Pass

Part No.	Part Description	Test Item(s)	Result of EDXRF Screening test (1)	Result of Chemical Test (2) (mg/kg)	RoHS Conclusion
10	Black silicone	Pb	BL	---	Pass
		Cd	BL	---	Pass
		Hg	BL	---	Pass
		Cr(VI)	BL	---	Pass
		PBBs	BL	---	Pass
		PBDEs	BL	---	Pass
		DBP	---	N.D.	Pass
		BBP	---	N.D.	Pass
		DEHP	---	N.D.	Pass
		DIBP	---	N.D.	Pass
11	Red silicone	Pb	BL	---	Pass
		Cd	BL	---	Pass
		Hg	BL	---	Pass
		Cr(VI)	BL	---	Pass
		PBBs	BL	---	Pass
		PBDEs	BL	---	Pass
		DBP	---	N.D.	Pass
		BBP	---	N.D.	Pass
		DEHP	---	N.D.	Pass
		DIBP	---	N.D.	Pass
12	Black silicone	Pb	BL	---	Pass
		Cd	BL	---	Pass
		Hg	BL	---	Pass
		Cr(VI)	BL	---	Pass
		PBBs	BL	---	Pass
		PBDEs	BL	---	Pass
		DBP	---	N.D.	Pass
		BBP	---	N.D.	Pass
		DEHP	---	N.D.	Pass
		DIBP	---	N.D.	Pass

Part No.	Part Description	Test Item(s)	Result of EDXRF Screening test (1)	Result of Chemical Test (2) (mg/kg)	RoHS Conclusion
13	Black plastic	Pb	BL	---	Pass
		Cd	BL	---	Pass
		Hg	BL	---	Pass
		Cr(VI)	BL	---	Pass
		PBBs	BL	---	Pass
		PBDEs	BL	---	Pass
		DBP	---	N.D.	Pass
		BBP	---	N.D.	Pass
		DEHP	---	N.D.	Pass
		DIBP	---	N.D.	Pass
14	Black silicone	Pb	BL	---	Pass
		Cd	BL	---	Pass
		Hg	BL	---	Pass
		Cr(VI)	BL	---	Pass
		PBBs	BL	---	Pass
		PBDEs	BL	---	Pass
		DBP	---	N.D.	Pass
		BBP	---	N.D.	Pass
		DEHP	---	N.D.	Pass
		DIBP	---	N.D.	Pass
15	Silvery color magnet	Pb	BL	---	Pass
		Cd	BL	---	Pass
		Hg	BL	---	Pass
		Cr(VI)	BL	---	Pass
		PBBs	BL	---	Pass
		PBDEs	BL	---	Pass
		DBP	---	N.D.	Pass
		BBP	---	N.D.	Pass
		DEHP	---	N.D.	Pass
		DIBP	---	N.D.	Pass

Part No.	Part Description	Test Item(s)	Result of EDXRF Screening test (1)	Result of Chemical Test (2) (mg/kg)	RoHS Conclusion
16	Silvery color metal	Pb	OL	①22203	Pass
		Cd	IN	40	Pass
		Hg	BL	---	Pass
		Cr(VI)	BL	---	Pass
		PBBs	---	---	NA
		PBDEs	---	---	NA
		DBP	---	---	NA
		BBP	---	---	NA
		DEHP	---	---	NA
		DIBP	---	---	NA
17	Red silicone	Pb	BL	---	Pass
		Cd	BL	---	Pass
		Hg	BL	---	Pass
		Cr(VI)	BL	---	Pass
		PBBs	BL	---	Pass
		PBDEs	BL	---	Pass
		DBP	---	N.D.	Pass
		BBP	---	N.D.	Pass
		DEHP	---	N.D.	Pass
		DIBP	---	N.D.	Pass
18	White translucent silicone	Pb	BL	---	Pass
		Cd	BL	---	Pass
		Hg	BL	---	Pass
		Cr(VI)	BL	---	Pass
		PBBs	BL	---	Pass
		PBDEs	BL	---	Pass
		DBP	---	N.D.	Pass
		BBP	---	N.D.	Pass
		DEHP	---	N.D.	Pass
		DIBP	---	N.D.	Pass

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Part No.	Part Description	Test Item(s)	Result of EDXRF Screening test (1)	Result of Chemical Test (2) (mg/kg)	RoHS Conclusion
19	Transparent double-side tape	Pb	BL	---	Pass
		Cd	BL	---	Pass
		Hg	BL	---	Pass
		Cr(VI)	BL	---	Pass
		PBBs	BL	---	Pass
		PBDEs	BL	---	Pass
		DBP	---	N.D.	Pass
		BBP	---	N.D.	Pass
		DEHP	---	N.D.	Pass
		DIBP	---	N.D.	Pass
20	Multi color plastic	Pb	BL	---	Pass
		Cd	BL	---	Pass
		Hg	BL	---	Pass
		Cr(VI)	BL	---	Pass
		PBBs	BL	---	Pass
		PBDEs	BL	---	Pass
		DBP	---	N.D.	Pass
		BBP	---	N.D.	Pass
		DEHP	---	N.D.	Pass
		DIBP	---	N.D.	Pass
21	Silvery color metal	Pb	BL	---	Pass
		Cd	BL	---	Pass
		Hg	BL	---	Pass
		Cr(VI)	IN	N.D.	Pass
		PBBs	---	---	NA
		PBDEs	---	---	NA
		DBP	---	---	NA
		BBP	---	---	NA
		DEHP	---	---	NA
		DIBP	---	---	NA

Part No.	Part Description	Test Item(s)	Result of EDXRF Screening test (1)	Result of Chemical Test (2) (mg/kg)	RoHS Conclusion
22	Black foam	Pb	BL	---	Pass
		Cd	BL	---	Pass
		Hg	BL	---	Pass
		Cr(VI)	BL	---	Pass
		PBBs	BL	---	Pass
		PBDEs	BL	---	Pass
		DBP	---	N.D.	Pass
		BBP	---	N.D.	Pass
		DEHP	---	N.D.	Pass
		DIBP	---	N.D.	Pass
23	Black IC	Pb	BL	---	Pass
		Cd	BL	---	Pass
		Hg	BL	---	Pass
		Cr(VI)	BL	---	Pass
		PBBs	BL	---	Pass
		PBDEs	BL	---	Pass
		DBP	---	N.D.	Pass
		BBP	---	N.D.	Pass
		DEHP	---	N.D.	Pass
		DIBP	---	N.D.	Pass
24	Black FPC	Pb	BL	---	Pass
		Cd	BL	---	Pass
		Hg	BL	---	Pass
		Cr(VI)	BL	---	Pass
		PBBs	BL	---	Pass
		PBDEs	BL	---	Pass
		DBP	---	N.D.	Pass
		BBP	---	N.D.	Pass
		DEHP	---	N.D.	Pass
		DIBP	---	N.D.	Pass

Part No.	Part Description	Test Item(s)	Result of EDXRF Screening test (1)	Result of Chemical Test (2) (mg/kg)	RoHS Conclusion
25	Black plastic	Pb	BL	---	Pass
		Cd	BL	---	Pass
		Hg	BL	---	Pass
		Cr(VI)	BL	---	Pass
		PBBs	BL	---	Pass
		PBDEs	BL	---	Pass
		DBP	---	N.D.	Pass
		BBP	---	N.D.	Pass
		DEHP	---	N.D.	Pass
		DIBP	---	N.D.	Pass
26	Red adhesive plastic tape	Pb	BL	---	Pass
		Cd	BL	---	Pass
		Hg	BL	---	Pass
		Cr(VI)	BL	---	Pass
		PBBs	BL	---	Pass
		PBDEs	BL	---	Pass
		DBP	---	N.D.	Pass
		BBP	---	N.D.	Pass
		DEHP	---	N.D.	Pass
		DIBP	---	N.D.	Pass
27	Yellow transparent adhesive plastic tape	Pb	BL	---	Pass
		Cd	BL	---	Pass
		Hg	BL	---	Pass
		Cr(VI)	BL	---	Pass
		PBBs	BL	---	Pass
		PBDEs	BL	---	Pass
		DBP	---	N.D.	Pass
		BBP	---	N.D.	Pass
		DEHP	---	N.D.	Pass
		DIBP	---	N.D.	Pass

Part No.	Part Description	Test Item(s)	Result of EDXRF Screening test (1)	Result of Chemical Test (2) (mg/kg)	RoHS Conclusion
28	White translucent double-side tape	Pb	BL	---	Pass
		Cd	BL	---	Pass
		Hg	BL	---	Pass
		Cr(VI)	BL	---	Pass
		PBBs	BL	---	Pass
		PBDEs	BL	---	Pass
		DBP	---	N.D.	Pass
		BBP	---	N.D.	Pass
		DEHP	---	N.D.	Pass
		DIBP	---	N.D.	Pass
29	Black adhesive plastic tape	Pb	BL	---	Pass
		Cd	BL	---	Pass
		Hg	BL	---	Pass
		Cr(VI)	BL	---	Pass
		PBBs	BL	---	Pass
		PBDEs	BL	---	Pass
		DBP	---	N.D.	Pass
		BBP	---	N.D.	Pass
		DEHP	---	N.D.	Pass
		DIBP	---	N.D.	Pass
30	Black foam	Pb	BL	---	Pass
		Cd	BL	---	Pass
		Hg	BL	---	Pass
		Cr(VI)	BL	---	Pass
		PBBs	BL	---	Pass
		PBDEs	BL	---	Pass
		DBP	---	N.D.	Pass
		BBP	---	N.D.	Pass
		DEHP	---	N.D.	Pass
		DIBP	---	N.D.	Pass

Part No.	Part Description	Test Item(s)	Result of EDXRF Screening test (1)	Result of Chemical Test (2) (mg/kg)	RoHS Conclusion
31	Red paper	Pb	BL	---	Pass
		Cd	BL	---	Pass
		Hg	BL	---	Pass
		Cr(VI)	BL	---	Pass
		PBBs	BL	---	Pass
		PBDEs	BL	---	Pass
		DBP	---	N.D.	Pass
		BBP	---	N.D.	Pass
		DEHP	---	N.D.	Pass
		DIBP	---	N.D.	Pass
32	Solder	Pb	BL	---	Pass
		Cd	BL	---	Pass
		Hg	BL	---	Pass
		Cr(VI)	BL	---	Pass
		PBBs	---	---	NA
		PBDEs	---	---	NA
		DBP	---	---	NA
		BBP	---	---	NA
		DEHP	---	---	NA
		DIBP	---	---	NA
33	Green paper	Pb	BL	---	Pass
		Cd	BL	---	Pass
		Hg	BL	---	Pass
		Cr(VI)	BL	---	Pass
		PBBs	BL	---	Pass
		PBDEs	BL	---	Pass
		DBP	---	N.D.	Pass
		BBP	---	N.D.	Pass
		DEHP	---	N.D.	Pass
		DIBP	---	N.D.	Pass

Part No.	Part Description	Test Item(s)	Result of EDXRF Screening test (1)	Result of Chemical Test (2) (mg/kg)	RoHS Conclusion
34	Black silicone	Pb	BL	---	Pass
		Cd	BL	---	Pass
		Hg	BL	---	Pass
		Cr(VI)	BL	---	Pass
		PBBs	BL	---	Pass
		PBDEs	BL	---	Pass
		DBP	---	N.D.	Pass
		BBP	---	N.D.	Pass
		DEHP	---	N.D.	Pass
		DIBP	---	N.D.	Pass
35	Black plastic jacket	Pb	BL	---	Pass
		Cd	BL	---	Pass
		Hg	BL	---	Pass
		Cr(VI)	BL	---	Pass
		PBBs	BL	---	Pass
		PBDEs	BL	---	Pass
		DBP	---	N.D.	Pass
		BBP	---	N.D.	Pass
		DEHP	---	N.D.	Pass
		DIBP	---	N.D.	Pass
36	Red plastic jacket	Pb	BL	---	Pass
		Cd	BL	---	Pass
		Hg	BL	---	Pass
		Cr(VI)	BL	---	Pass
		PBBs	BL	---	Pass
		PBDEs	BL	---	Pass
		DBP	---	N.D.	Pass
		BBP	---	N.D.	Pass
		DEHP	---	N.D.	Pass
		DIBP	---	N.D.	Pass

Part No.	Part Description	Test Item(s)	Result of EDXRF Screening test (1)	Result of Chemical Test (2) (mg/kg)	RoHS Conclusion
37	Silvery color metal wire core	Pb	BL	---	Pass
		Cd	BL	---	Pass
		Hg	BL	---	Pass
		Cr(VI)	BL	---	Pass
		PBBs	---	---	NA
		PBDEs	---	---	NA
		DBP	---	---	NA
		BBP	---	---	NA
		DEHP	---	---	NA
		DIBP	---	---	NA
38	Grey plastic	Pb	BL	---	Pass
		Cd	BL	---	Pass
		Hg	BL	---	Pass
		Cr(VI)	BL	---	Pass
		PBBs	BL	---	Pass
		PBDEs	BL	---	Pass
		DBP	---	N.D.	Pass
		BBP	---	N.D.	Pass
		DEHP	---	N.D.	Pass
		DIBP	---	N.D.	Pass
39	LT.yellow plastic	Pb	BL	---	Pass
		Cd	BL	---	Pass
		Hg	BL	---	Pass
		Cr(VI)	BL	---	Pass
		PBBs	BL	---	Pass
		PBDEs	BL	---	Pass
		DBP	---	N.D.	Pass
		BBP	---	N.D.	Pass
		DEHP	---	N.D.	Pass
		DIBP	---	N.D.	Pass

Part No.	Part Description	Test Item(s)	Result of EDXRF Screening test (1)	Result of Chemical Test (2) (mg/kg)	RoHS Conclusion
40	Silvery color metal	Pb	BL	---	Pass
		Cd	BL	---	Pass
		Hg	BL	---	Pass
		Cr(VI)	IN	N.D.	Pass
		PBBs	---	---	NA
		PBDEs	---	---	NA
		DBP	---	---	NA
		BBP	---	---	NA
		DEHP	---	---	NA
		DIBP	---	---	NA
41	Grey plastic	Pb	BL	---	Pass
		Cd	BL	---	Pass
		Hg	BL	---	Pass
		Cr(VI)	BL	---	Pass
		PBBs	BL	---	Pass
		PBDEs	BL	---	Pass
		DBP	---	N.D.	Pass
		BBP	---	N.D.	Pass
		DEHP	---	N.D.	Pass
		DIBP	---	N.D.	Pass
42	Silvery color metal pin	Pb	BL	---	Pass
		Cd	BL	---	Pass
		Hg	BL	---	Pass
		Cr(VI)	BL	---	Pass
		PBBs	---	---	NA
		PBDEs	---	---	NA
		DBP	---	---	NA
		BBP	---	---	NA
		DEHP	---	---	NA
		DIBP	---	---	NA

Part No.	Part Description	Test Item(s)	Result of EDXRF Screening test (1)	Result of Chemical Test (2) (mg/kg)	RoHS Conclusion
43	Copper color metal	Pb	OL	①21931	Pass
		Cd	IN	36	Pass
		Hg	BL	---	Pass
		Cr(VI)	BL	---	Pass
		PBBs	---	---	NA
		PBDEs	---	---	NA
		DBP	---	---	NA
		BBP	---	---	NA
		DEHP	---	---	NA
		DIBP	---	---	NA
44	Copper color metal	Pb	BL	---	Pass
		Cd	BL	---	Pass
		Hg	BL	---	Pass
		Cr(VI)	BL	---	Pass
		PBBs	---	---	NA
		PBDEs	---	---	NA
		DBP	---	---	NA
		BBP	---	---	NA
		DEHP	---	---	NA
		DIBP	---	---	NA
45	Copper color metal spring	Pb	BL	---	Pass
		Cd	BL	---	Pass
		Hg	BL	---	Pass
		Cr(VI)	BL	---	Pass
		PBBs	---	---	NA
		PBDEs	---	---	NA
		DBP	---	---	NA
		BBP	---	---	NA
		DEHP	---	---	NA
		DIBP	---	---	NA

Part No.	Part Description	Test Item(s)	Result of EDXRF Screening test (1)	Result of Chemical Test (2) (mg/kg)	RoHS Conclusion
46	Copper color metal	Pb	OL	①15985	Pass
		Cd	IN	18	Pass
		Hg	BL	---	Pass
		Cr(VI)	BL	---	Pass
		PBBs	---	---	NA
		PBDEs	---	---	NA
		DBP	---	---	NA
		BBP	---	---	NA
		DEHP	---	---	NA
		DIBP	---	---	NA
47	Silvery color metal	Pb	BL	---	Pass
		Cd	BL	---	Pass
		Hg	BL	---	Pass
		Cr(VI)	BL	---	Pass
		PBBs	---	---	NA
		PBDEs	---	---	NA
		DBP	---	---	NA
		BBP	---	---	NA
		DEHP	---	---	NA
		DIBP	---	---	NA
48	LT.yellow plastic	Pb	BL	---	Pass
		Cd	BL	---	Pass
		Hg	BL	---	Pass
		Cr(VI)	BL	---	Pass
		PBBs	BL	---	Pass
		PBDEs	BL	---	Pass
		DBP	---	N.D.	Pass
		BBP	---	N.D.	Pass
		DEHP	---	N.D.	Pass
		DIBP	---	N.D.	Pass

Part No.	Part Description	Test Item(s)	Result of EDXRF Screening test (1)	Result of Chemical Test (2) (mg/kg)	RoHS Conclusion
49	Silvery color metal	Pb	BL	---	Pass
		Cd	BL	---	Pass
		Hg	BL	---	Pass
		Cr(VI)	IN	N.D.	Pass
		PBBs	---	---	NA
		PBDEs	---	---	NA
		DBP	---	---	NA
		BBP	---	---	NA
		DEHP	---	---	NA
		DIBP	---	---	NA
50	Grey plastic	Pb	BL	---	Pass
		Cd	BL	---	Pass
		Hg	BL	---	Pass
		Cr(VI)	BL	---	Pass
		PBBs	BL	---	Pass
		PBDEs	BL	---	Pass
		DBP	---	N.D.	Pass
		BBP	---	N.D.	Pass
		DEHP	---	N.D.	Pass
		DIBP	---	N.D.	Pass
51	Black IC	Pb	BL	---	Pass
		Cd	BL	---	Pass
		Hg	BL	---	Pass
		Cr(VI)	BL	---	Pass
		PBBs	BL	---	Pass
		PBDEs	BL	---	Pass
		DBP	---	N.D.	Pass
		BBP	---	N.D.	Pass
		DEHP	---	N.D.	Pass
		DIBP	---	N.D.	Pass

Part No.	Part Description	Test Item(s)	Result of EDXRF Screening test (1)	Result of Chemical Test (2) (mg/kg)	RoHS Conclusion
52	Black SMD transistor	Pb	BL	---	Pass
		Cd	BL	---	Pass
		Hg	BL	---	Pass
		Cr(VI)	BL	---	Pass
		PBBs	BL	---	Pass
		PBDEs	BL	---	Pass
		DBP	---	N.D.	Pass
		BBP	---	N.D.	Pass
		DEHP	---	N.D.	Pass
		DIBP	---	N.D.	Pass
53	Black SMD resistor	Pb	BL	---	Pass
		Cd	BL	---	Pass
		Hg	BL	---	Pass
		Cr(VI)	BL	---	Pass
		PBBs	BL	---	Pass
		PBDEs	BL	---	Pass
		DBP	---	N.D.	Pass
		BBP	---	N.D.	Pass
		DEHP	---	N.D.	Pass
		DIBP	---	N.D.	Pass
54	Black IC	Pb	BL	---	Pass
		Cd	BL	---	Pass
		Hg	BL	---	Pass
		Cr(VI)	BL	---	Pass
		PBBs	BL	---	Pass
		PBDEs	BL	---	Pass
		DBP	---	N.D.	Pass
		BBP	---	N.D.	Pass
		DEHP	---	N.D.	Pass
		DIBP	---	N.D.	Pass

Part No.	Part Description	Test Item(s)	Result of EDXRF Screening test (1)	Result of Chemical Test (2) (mg/kg)	RoHS Conclusion
55	Silvery color IC	Pb	BL	---	Pass
		Cd	BL	---	Pass
		Hg	BL	---	Pass
		Cr(VI)	BL	---	Pass
		PBBs	BL	---	Pass
		PBDEs	BL	---	Pass
		DBP	---	N.D.	Pass
		BBP	---	N.D.	Pass
		DEHP	---	N.D.	Pass
		DIBP	---	N.D.	Pass
56	Black IC	Pb	BL	---	Pass
		Cd	BL	---	Pass
		Hg	BL	---	Pass
		Cr(VI)	BL	---	Pass
		PBBs	BL	---	Pass
		PBDEs	BL	---	Pass
		DBP	---	N.D.	Pass
		BBP	---	N.D.	Pass
		DEHP	---	N.D.	Pass
		DIBP	---	N.D.	Pass
57	Brown SMD capacitor	Pb	BL	---	Pass
		Cd	BL	---	Pass
		Hg	BL	---	Pass
		Cr(VI)	BL	---	Pass
		PBBs	BL	---	Pass
		PBDEs	BL	---	Pass
		DBP	---	N.D.	Pass
		BBP	---	N.D.	Pass
		DEHP	---	N.D.	Pass
		DIBP	---	N.D.	Pass

Part No.	Part Description	Test Item(s)	Result of EDXRF Screening test (1)	Result of Chemical Test (2) (mg/kg)	RoHS Conclusion
58	Black IC	Pb	BL	---	Pass
		Cd	BL	---	Pass
		Hg	BL	---	Pass
		Cr(VI)	BL	---	Pass
		PBBs	BL	---	Pass
		PBDEs	BL	---	Pass
		DBP	---	N.D.	Pass
		BBP	---	N.D.	Pass
		DEHP	---	N.D.	Pass
		DIBP	---	N.D.	Pass
59	Solder	Pb	BL	---	Pass
		Cd	BL	---	Pass
		Hg	BL	---	Pass
		Cr(VI)	BL	---	Pass
		PBBs	---	---	NA
		PBDEs	---	---	NA
		DBP	---	---	NA
		BBP	---	---	NA
		DEHP	---	---	NA
		DIBP	---	---	NA
60	Black PCB	Pb	BL	---	Pass
		Cd	BL	---	Pass
		Hg	BL	---	Pass
		Cr(VI)	BL	---	Pass
		PBBs	IN	N.D.	Pass
		PBDEs	IN	N.D.	Pass
		DBP	---	N.D.	Pass
		BBP	---	N.D.	Pass
		DEHP	---	N.D.	Pass
		DIBP	---	N.D.	Pass

Part No.	Part Description	Test Item(s)	Result of EDXRF Screening test (1)	Result of Chemical Test (2) (mg/kg)	RoHS Conclusion
61	grey translucent plastic	Pb	BL	---	Pass
		Cd	BL	---	Pass
		Hg	BL	---	Pass
		Cr(VI)	BL	---	Pass
		PBBs	BL	---	Pass
		PBDEs	BL	---	Pass
		DBP	---	N.D.	Pass
		BBP	---	N.D.	Pass
		DEHP	---	N.D.	Pass
		DIBP	---	N.D.	Pass
62	Black silicone	Pb	BL	---	Pass
		Cd	BL	---	Pass
		Hg	BL	---	Pass
		Cr(VI)	BL	---	Pass
		PBBs	BL	---	Pass
		PBDEs	BL	---	Pass
		DBP	---	N.D.	Pass
		BBP	---	N.D.	Pass
		DEHP	---	N.D.	Pass
		DIBP	---	N.D.	Pass
63	Black plastic	Pb	BL	---	Pass
		Cd	BL	---	Pass
		Hg	BL	---	Pass
		Cr(VI)	BL	---	Pass
		PBBs	BL	---	Pass
		PBDEs	BL	---	Pass
		DBP	---	N.D.	Pass
		BBP	---	N.D.	Pass
		DEHP	---	N.D.	Pass
		DIBP	---	N.D.	Pass

Part No.	Part Description	Test Item(s)	Result of EDXRF Screening test (1)	Result of Chemical Test (2) (mg/kg)	RoHS Conclusion
64	Silvery color magnet	Pb	BL	---	Pass
		Cd	BL	---	Pass
		Hg	BL	---	Pass
		Cr(VI)	BL	---	Pass
		PBBs	BL	---	Pass
		PBDEs	BL	---	Pass
		DBP	---	N.D.	Pass
		BBP	---	N.D.	Pass
		DEHP	---	N.D.	Pass
		DIBP	---	N.D.	Pass
65	Copper color metal	Pb	BL	---	Pass
		Cd	BL	---	Pass
		Hg	BL	---	Pass
		Cr(VI)	BL	---	Pass
		PBBs	---	---	NA
		PBDEs	---	---	NA
		DBP	---	---	NA
		BBP	---	---	NA
		DEHP	---	---	NA
		DIBP	---	---	NA
66	White cotton	Pb	BL	---	Pass
		Cd	BL	---	Pass
		Hg	BL	---	Pass
		Cr(VI)	BL	---	Pass
		PBBs	BL	---	Pass
		PBDEs	BL	---	Pass
		DBP	---	N.D.	Pass
		BBP	---	N.D.	Pass
		DEHP	---	N.D.	Pass
		DIBP	---	N.D.	Pass

Part No.	Part Description	Test Item(s)	Result of EDXRF Screening test (1)	Result of Chemical Test (2) (mg/kg)	RoHS Conclusion
67	Orange silicone	Pb	BL	---	Pass
		Cd	BL	---	Pass
		Hg	BL	---	Pass
		Cr(VI)	BL	---	Pass
		PBBs	BL	---	Pass
		PBDEs	BL	---	Pass
		DBP	---	N.D.	Pass
		BBP	---	N.D.	Pass
		DEHP	---	N.D.	Pass
		DIBP	---	N.D.	Pass
68	Transparent plastic	Pb	BL	---	Pass
		Cd	BL	---	Pass
		Hg	BL	---	Pass
		Cr(VI)	BL	---	Pass
		PBBs	BL	---	Pass
		PBDEs	BL	---	Pass
		DBP	---	N.D.	Pass
		BBP	---	N.D.	Pass
		DEHP	---	N.D.	Pass
		DIBP	---	N.D.	Pass
69	Orange silicone	Pb	BL	---	Pass
		Cd	BL	---	Pass
		Hg	BL	---	Pass
		Cr(VI)	BL	---	Pass
		PBBs	BL	---	Pass
		PBDEs	BL	---	Pass
		DBP	---	N.D.	Pass
		BBP	---	N.D.	Pass
		DEHP	---	N.D.	Pass
		DIBP	---	N.D.	Pass

Part No.	Part Description	Test Item(s)	Result of EDXRF Screening test (1)	Result of Chemical Test (2) (mg/kg)	RoHS Conclusion
70	Silvery color metal	Pb	OL	①23263	Pass
		Cd	IN	18	Pass
		Hg	BL	---	Pass
		Cr(VI)	BL	---	Pass
		PBBs	---	---	NA
		PBDEs	---	---	NA
		DBP	---	---	NA
		BBP	---	---	NA
		DEHP	---	---	NA
		DIBP	---	---	NA
71	White cotton	Pb	BL	---	Pass
		Cd	BL	---	Pass
		Hg	BL	---	Pass
		Cr(VI)	BL	---	Pass
		PBBs	BL	---	Pass
		PBDEs	BL	---	Pass
		DBP	---	N.D.	Pass
		BBP	---	N.D.	Pass
		DEHP	---	N.D.	Pass
		DIBP	---	N.D.	Pass
72	Black silicone	Pb	BL	---	Pass
		Cd	BL	---	Pass
		Hg	BL	---	Pass
		Cr(VI)	BL	---	Pass
		PBBs	BL	---	Pass
		PBDEs	BL	---	Pass
		DBP	---	N.D.	Pass
		BBP	---	N.D.	Pass
		DEHP	---	N.D.	Pass
		DIBP	---	N.D.	Pass

Part No.	Part Description	Test Item(s)	Result of EDXRF Screening test (1)	Result of Chemical Test (2) (mg/kg)	RoHS Conclusion
73	Silvery color metal	Pb	OL	①22073	Pass
		Cd	IN	81	Pass
		Hg	BL	---	Pass
		Cr(VI)	BL	---	Pass
		PBBs	---	---	NA
		PBDEs	---	---	NA
		DBP	---	---	NA
		BBP	---	---	NA
		DEHP	---	---	NA
		DIBP	---	---	NA
74	White cotton	Pb	BL	---	Pass
		Cd	BL	---	Pass
		Hg	BL	---	Pass
		Cr(VI)	BL	---	Pass
		PBBs	BL	---	Pass
		PBDEs	BL	---	Pass
		DBP	---	N.D.	Pass
		BBP	---	N.D.	Pass
		DEHP	---	N.D.	Pass
		DIBP	---	N.D.	Pass
75	Silvery color metal	Pb	BL	---	Pass
		Cd	BL	---	Pass
		Hg	BL	---	Pass
		Cr(VI)	IN	N.D.	Pass
		PBBs	---	---	NA
		PBDEs	---	---	NA
		DBP	---	---	NA
		BBP	---	---	NA
		DEHP	---	---	NA
		DIBP	---	---	NA

Part No.	Part Description	Test Item(s)	Result of EDXRF Screening test (1)	Result of Chemical Test (2) (mg/kg)	RoHS Conclusion
76	Silvery color metal pin	Pb	BL	---	Pass
		Cd	BL	---	Pass
		Hg	BL	---	Pass
		Cr(VI)	BL	---	Pass
		PBBs	---	---	NA
		PBDEs	---	---	NA
		DBP	---	---	NA
		BBP	---	---	NA
		DEHP	---	---	NA
		DIBP	---	---	NA
77	Black plastic	Pb	BL	---	Pass
		Cd	BL	---	Pass
		Hg	BL	---	Pass
		Cr(VI)	BL	---	Pass
		PBBs	BL	---	Pass
		PBDEs	BL	---	Pass
		DBP	---	N.D.	Pass
		BBP	---	N.D.	Pass
		DEHP	---	N.D.	Pass
		DIBP	---	N.D.	Pass
78	Transparent plastic	Pb	BL	---	Pass
		Cd	BL	---	Pass
		Hg	BL	---	Pass
		Cr(VI)	BL	---	Pass
		PBBs	BL	---	Pass
		PBDEs	BL	---	Pass
		DBP	---	N.D.	Pass
		BBP	---	N.D.	Pass
		DEHP	---	N.D.	Pass
		DIBP	---	N.D.	Pass

Part No.	Part Description	Test Item(s)	Result of EDXRF Screening test (1)	Result of Chemical Test (2) (mg/kg)	RoHS Conclusion
79	Black plastic	Pb	BL	---	Pass
		Cd	BL	---	Pass
		Hg	BL	---	Pass
		Cr(VI)	BL	---	Pass
		PBBs	BL	---	Pass
		PBDEs	BL	---	Pass
		DBP	---	N.D.	Pass
		BBP	---	N.D.	Pass
		DEHP	---	N.D.	Pass
		DIBP	---	N.D.	Pass
80	Copper color metal	Pb	BL	---	Pass
		Cd	BL	---	Pass
		Hg	BL	---	Pass
		Cr(VI)	BL	---	Pass
		PBBs	---	---	NA
		PBDEs	---	---	NA
		DBP	---	---	NA
		BBP	---	---	NA
		DEHP	---	---	NA
		DIBP	---	---	NA
81	Black silicone	Pb	BL	---	Pass
		Cd	BL	---	Pass
		Hg	BL	---	Pass
		Cr(VI)	BL	---	Pass
		PBBs	BL	---	Pass
		PBDEs	BL	---	Pass
		DBP	---	N.D.	Pass
		BBP	---	N.D.	Pass
		DEHP	---	N.D.	Pass
		DIBP	---	N.D.	Pass

Part No.	Part Description	Test Item(s)	Result of EDXRF Screening test (1)	Result of Chemical Test (2) (mg/kg)	RoHS Conclusion
82	Black silicone	Pb	BL	---	Pass
		Cd	BL	---	Pass
		Hg	BL	---	Pass
		Cr(VI)	BL	---	Pass
		PBBs	BL	---	Pass
		PBDEs	BL	---	Pass
		DBP	---	N.D.	Pass
		BBP	---	N.D.	Pass
		DEHP	---	N.D.	Pass
		DIBP	---	N.D.	Pass
83	Transparent plastic	Pb	BL	---	Pass
		Cd	BL	---	Pass
		Hg	BL	---	Pass
		Cr(VI)	BL	---	Pass
		PBBs	BL	---	Pass
		PBDEs	BL	---	Pass
		DBP	---	N.D.	Pass
		BBP	---	N.D.	Pass
		DEHP	---	N.D.	Pass
		DIBP	---	N.D.	Pass
84	Silvery color metal spring	Pb	BL	---	Pass
		Cd	BL	---	Pass
		Hg	BL	---	Pass
		Cr(VI)	BL	---	Pass
		PBBs	---	---	NA
		PBDEs	---	---	NA
		DBP	---	---	NA
		BBP	---	---	NA
		DEHP	---	---	NA
		DIBP	---	---	NA

Part No.	Part Description	Test Item(s)	Result of EDXRF Screening test (1)	Result of Chemical Test (2) (mg/kg)	RoHS Conclusion
85	Red plastic	Pb	BL	---	Pass
		Cd	BL	---	Pass
		Hg	BL	---	Pass
		Cr(VI)	BL	---	Pass
		PBBs	BL	---	Pass
		PBDEs	BL	---	Pass
		DBP	---	N.D.	Pass
		BBP	---	N.D.	Pass
		DEHP	---	N.D.	Pass
		DIBP	---	N.D.	Pass
86	Red silicone	Pb	BL	---	Pass
		Cd	BL	---	Pass
		Hg	BL	---	Pass
		Cr(VI)	BL	---	Pass
		PBBs	BL	---	Pass
		PBDEs	BL	---	Pass
		DBP	---	N.D.	Pass
		BBP	---	N.D.	Pass
		DEHP	---	N.D.	Pass
		DIBP	---	N.D.	Pass
87	Black plastic	Pb	BL	---	Pass
		Cd	BL	---	Pass
		Hg	BL	---	Pass
		Cr(VI)	BL	---	Pass
		PBBs	BL	---	Pass
		PBDEs	BL	---	Pass
		DBP	---	N.D.	Pass
		BBP	---	N.D.	Pass
		DEHP	---	N.D.	Pass
		DIBP	---	N.D.	Pass

Part No.	Part Description	Test Item(s)	Result of EDXRF Screening test (1)	Result of Chemical Test (2) (mg/kg)	RoHS Conclusion
88	Red silicone	Pb	BL	---	Pass
		Cd	BL	---	Pass
		Hg	BL	---	Pass
		Cr(VI)	BL	---	Pass
		PBBs	BL	---	Pass
		PBDEs	BL	---	Pass
		DBP	---	N.D.	Pass
		BBP	---	N.D.	Pass
		DEHP	---	N.D.	Pass
		DIBP	---	N.D.	Pass
89	Silvery color metal	Pb	OL	①26521	Pass
		Cd	IN	46	Pass
		Hg	BL	---	Pass
		Cr(VI)	BL	---	Pass
		PBBs	---	---	NA
		PBDEs	---	---	NA
		DBP	---	---	NA
		BBP	---	---	NA
		DEHP	---	---	NA
		DIBP	---	---	NA
90	Black silicone	Pb	BL	---	Pass
		Cd	BL	---	Pass
		Hg	BL	---	Pass
		Cr(VI)	BL	---	Pass
		PBBs	BL	---	Pass
		PBDEs	BL	---	Pass
		DBP	---	N.D.	Pass
		BBP	---	N.D.	Pass
		DEHP	---	N.D.	Pass
		DIBP	---	N.D.	Pass

Part No.	Part Description	Test Item(s)	Result of EDXRF Screening test (1)	Result of Chemical Test (2) (mg/kg)	RoHS Conclusion
91	Silvery color metal	Pb	OL	①26162	Pass
		Cd	IN	42	Pass
		Hg	BL	---	Pass
		Cr(VI)	BL	---	Pass
		PBBs	---	---	NA
		PBDEs	---	---	NA
		DBP	---	---	NA
		BBP	---	---	NA
		DEHP	---	---	NA
		DIBP	---	---	NA

Remark:

(1) EDXRF Screening test

(a) It is the result on total Br while test item on restricted substances is PBBs/PBDEs. It is the result on total Cr while test item on restricted substances is Cr(VI).

(b) Results are obtained by EDXRF for primary screening, and further chemical testing by ICP-OES (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≤(70-3σ)<X<(130+3σ)≤OL	BL≤(70-3σ)<X<(130+3σ) ≤OL	LOD<X<(150+3σ) ≤OL
Pb	BL≤(700-3σ)<X<(1300+3σ) ≤OL	BL≤(700-3σ)<X<(1300+3σ) ≤OL	BL≤(500-3σ)<X<(1500+3σ) ≤OL
Hg	BL≤(700-3σ)<X<(1300+3σ)≤OL	BL≤(700-3σ)<X<(1300+3σ)≤OL	BL≤(500-3σ)<X<(1500+3σ) ≤OL
Br	BL≤(300-3σ)<X	NA	BL≤(250-3σ)<X
Cr	BL≤(700-3σ)<X	BL≤(700-3σ)<X	BL≤(500-3σ)<X

(c) BL = Below Limit, OL = Over Limit, IN = Inconclusive, LOD = Limit of Detection,
--- = Not Regulated, NA = Not Applicable.

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

(2) Chemical test

(a) 1mg/kg = 1ppm = 0.0001%, N.D.= Not Detected (<MDL), --- = Not Conducted.

(b) Unit and Method Detection Limit (MDL) in chemical test

Test Items	Pb	Cd	Hg	Cr(VI)		PBBs	PBDEs	DBP	BBP	DEHP	DIBP
MDL (mg/kg)	10	10	10	10	0.1 μg/cm²	100	100	100	100	100	100
Limit (mg/kg)	1000	100	1000	1000	-	1000	1000	1000	1000	1000	1000

The limit is quoted from RoHS directive 2011/65/EU and the amendment directive (EU) 2015/863.

(c) According to IEC 62321-7-1:2015, For metal samples,

a. When the Cr (VI) concentration is > the 0,13 μg/cm^2, the sample is positive for Cr(VI) and considered to contain Cr(VI).

b. When the Cr (VI) concentration is N.D.(< the 0,10 μg/cm^2), the sample is negative for Cr(VI) and

considered a non-Cr(VI) based coating.

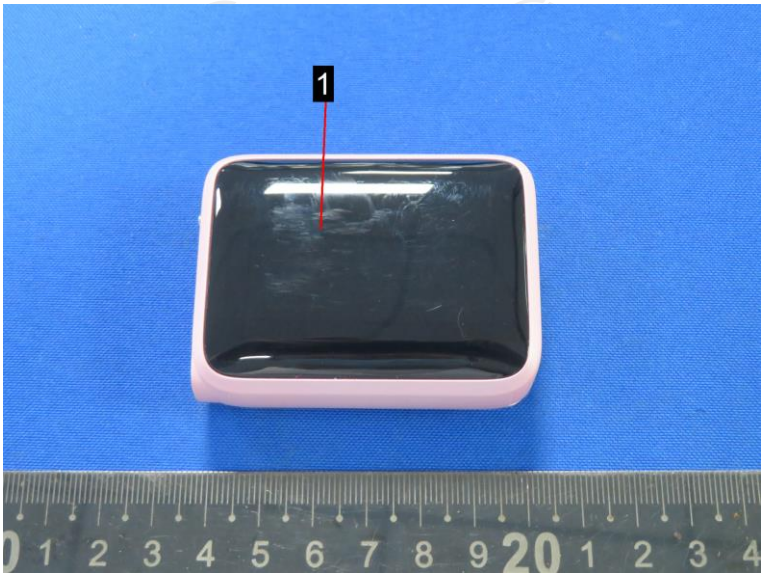
c. When the Cr (VI) concentration is ≥ the 0,10 μg/cm^2 and ≤ the 0,13 μg/cm^2, the result is considered to be inconclusive - Unavoidable coating variations may influence the determination. Because the storage condition and production date of the sample are not known, the test results of the sample of hexavalent chromium can only represent the state of hexavalent chromium in the samples tested.

(3) According to the client's statement,

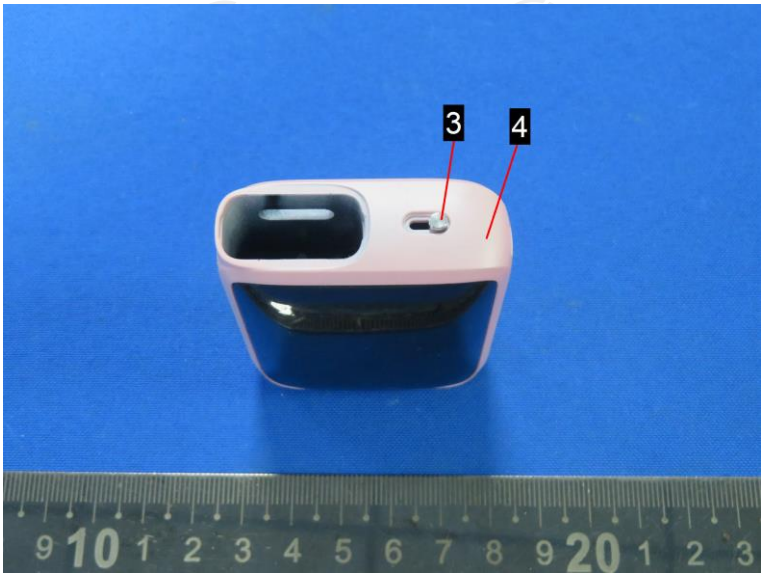
① RoHS Exemption: 6(c), Copper alloy containing up to 4 % lead by weight.

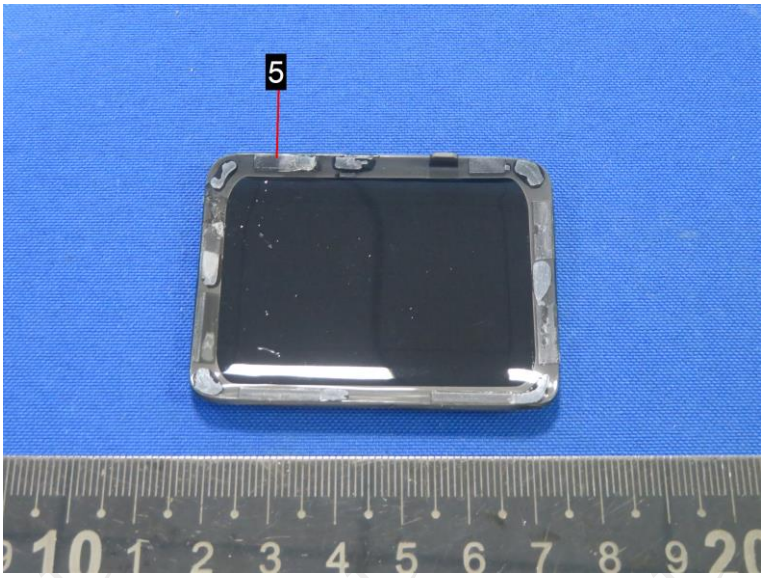
Photo(s) of the sample(s)

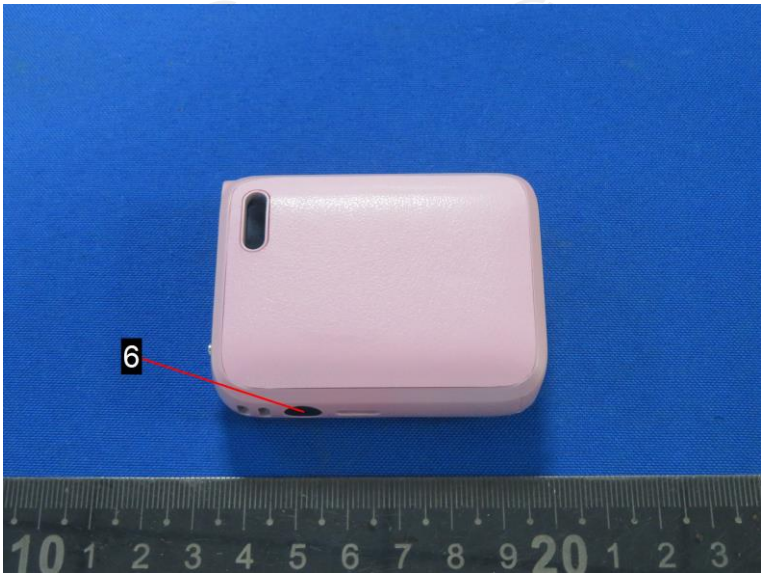


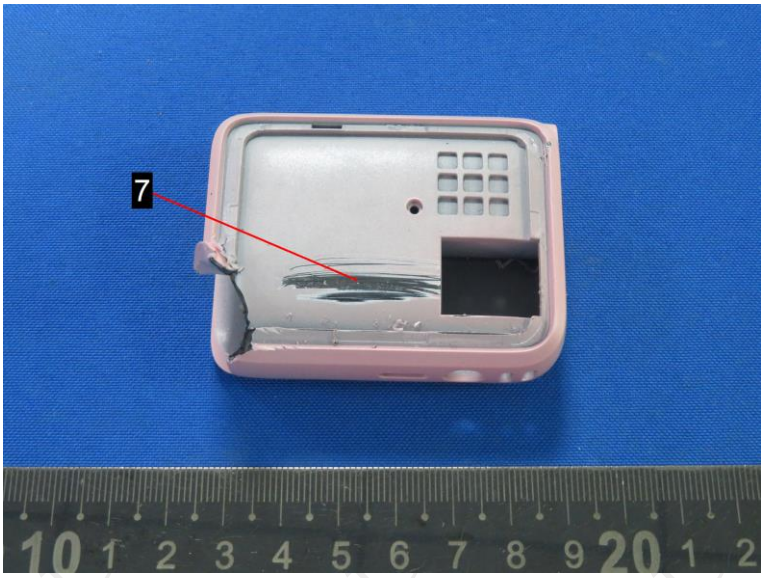


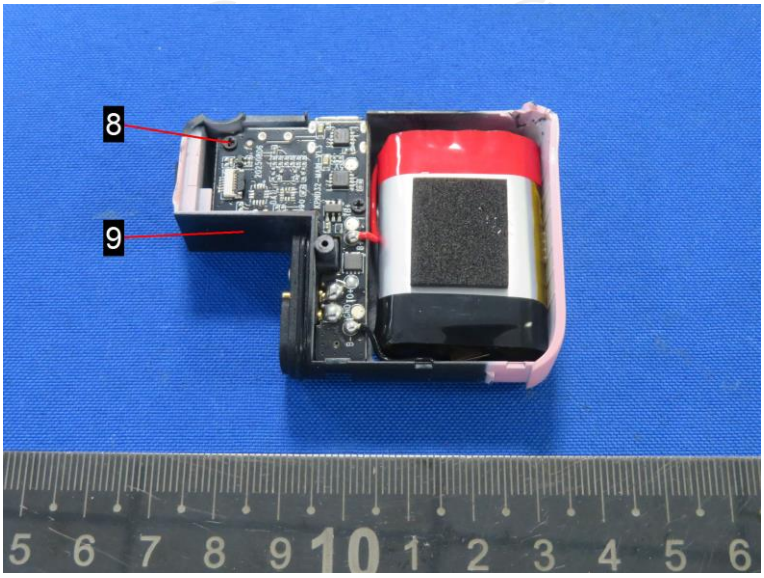

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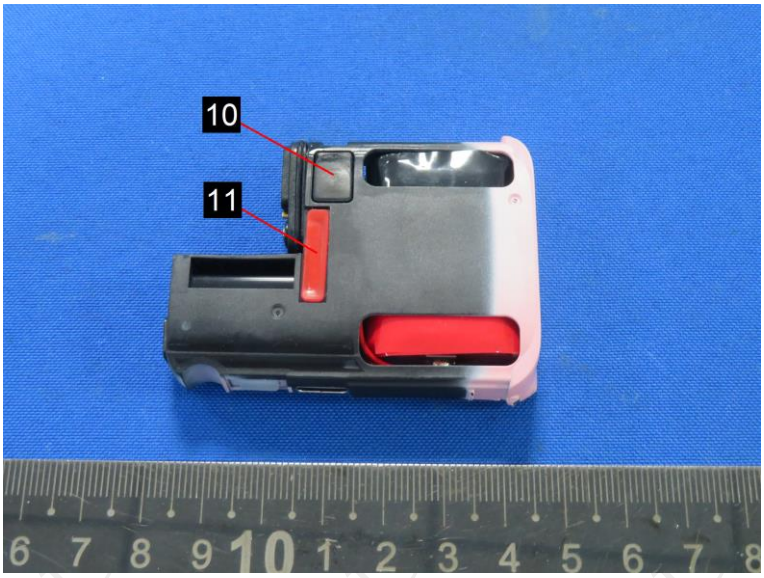

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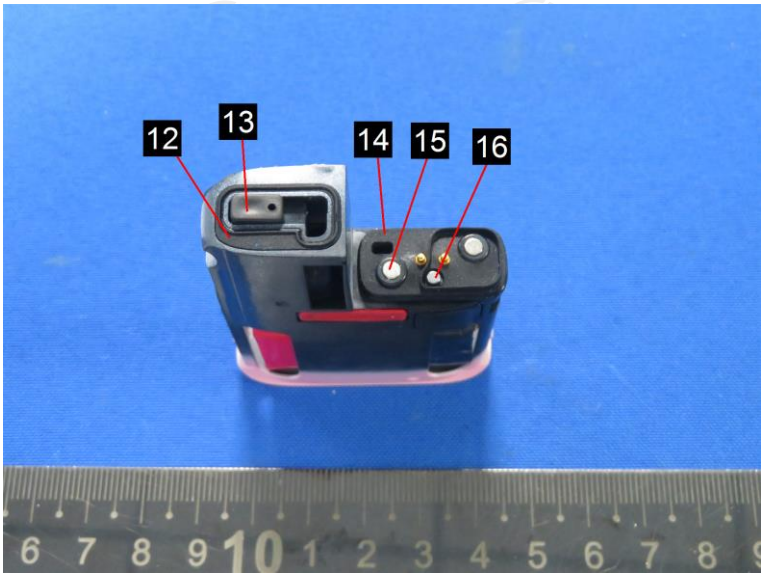

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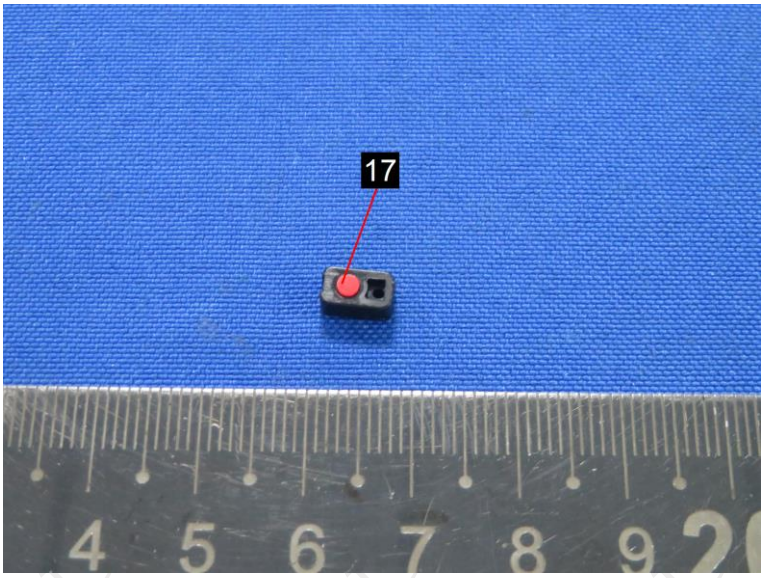

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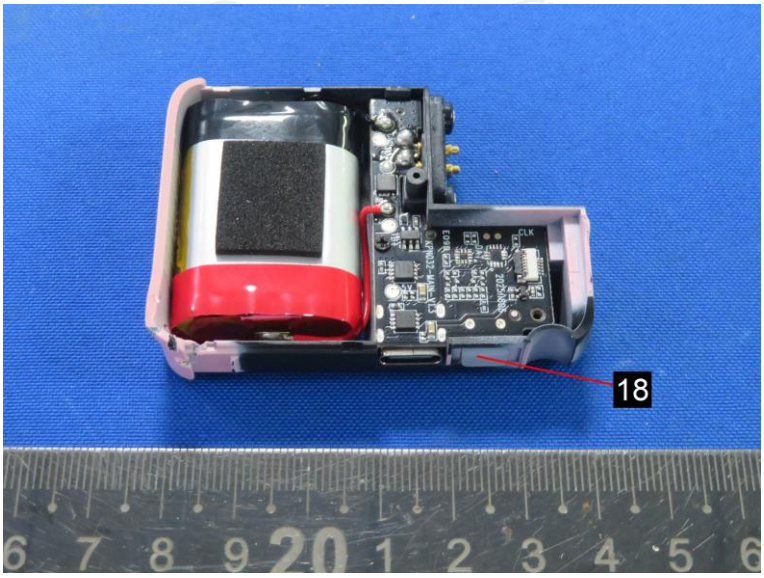

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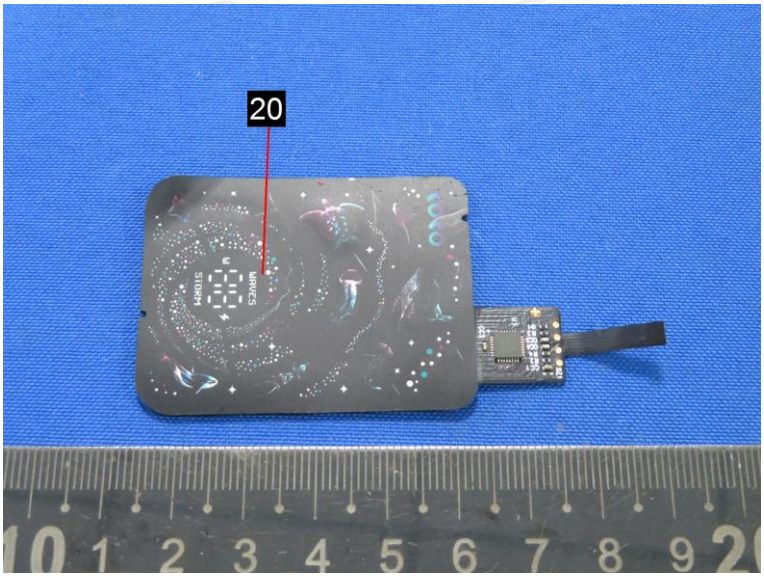

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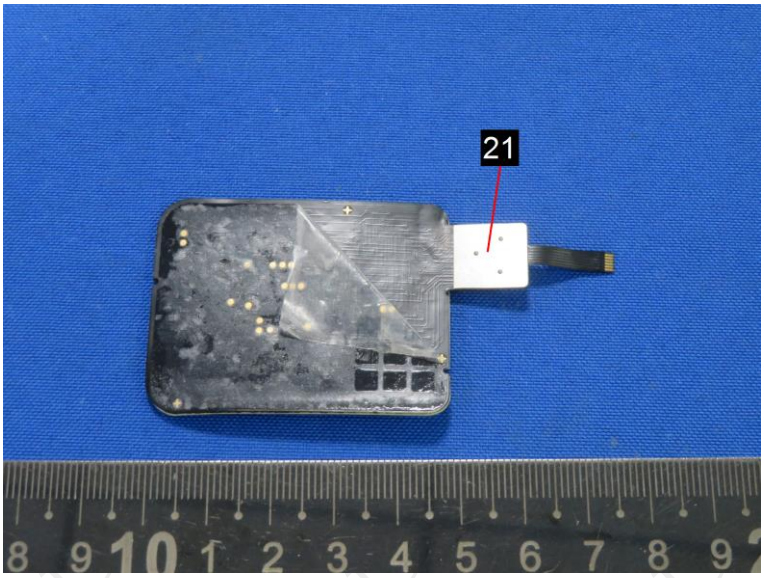

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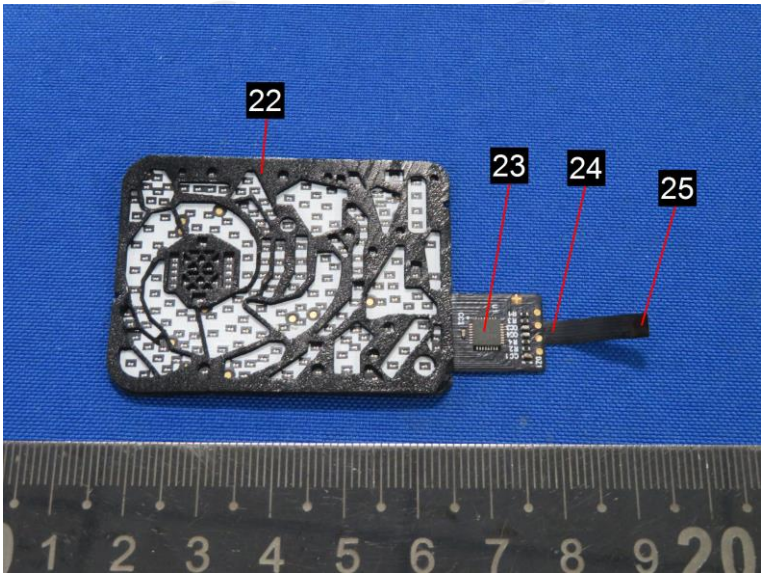

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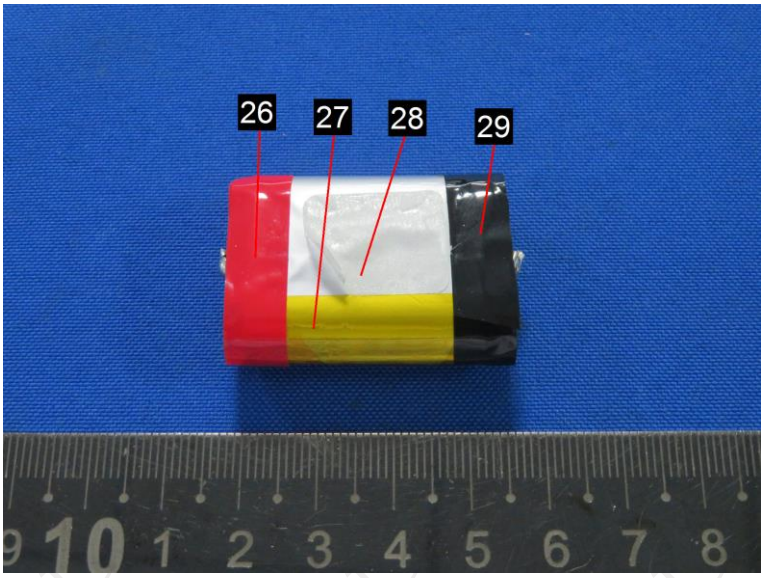

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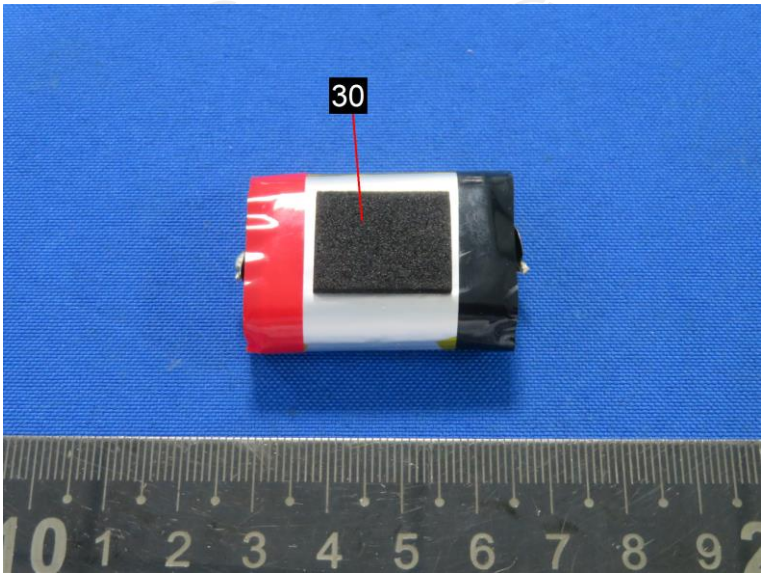

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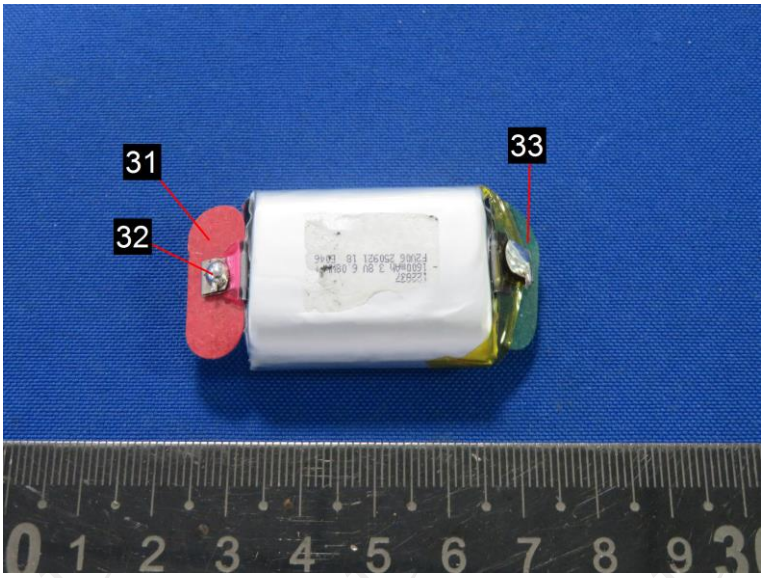

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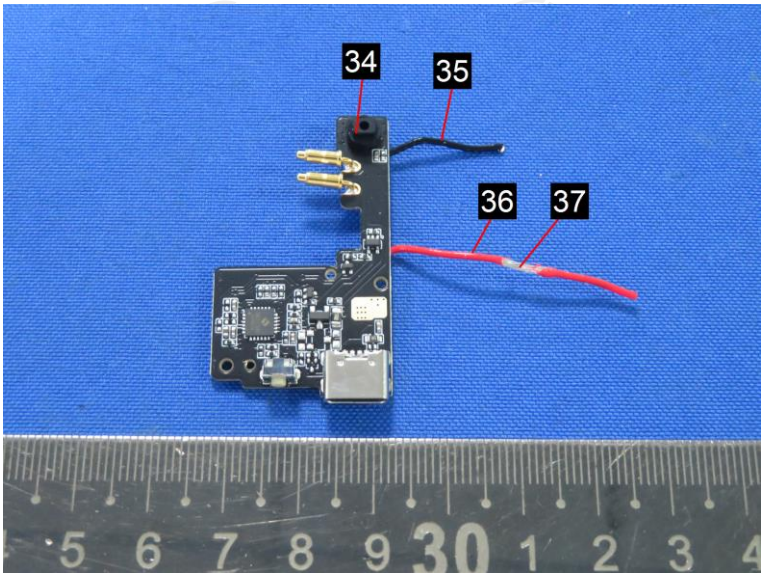

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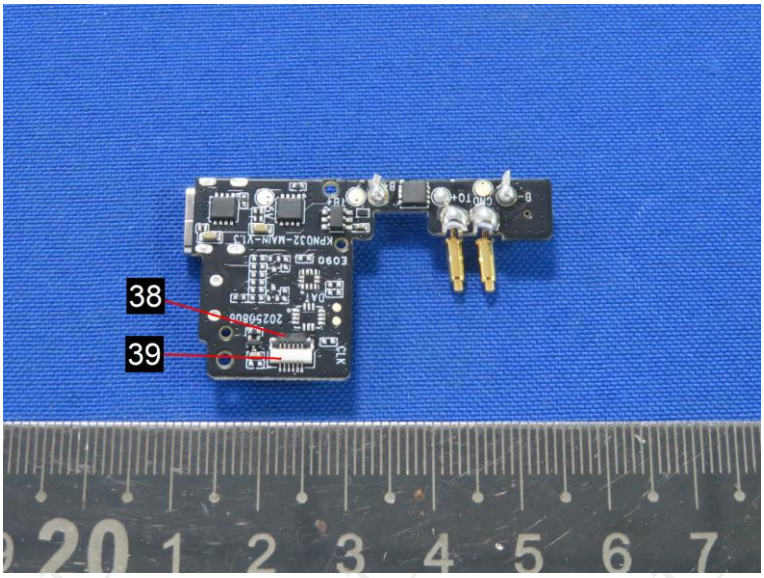

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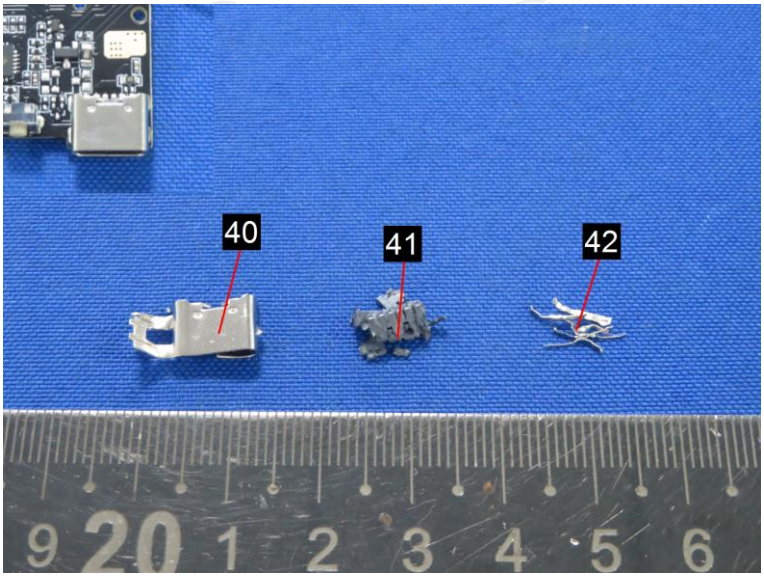

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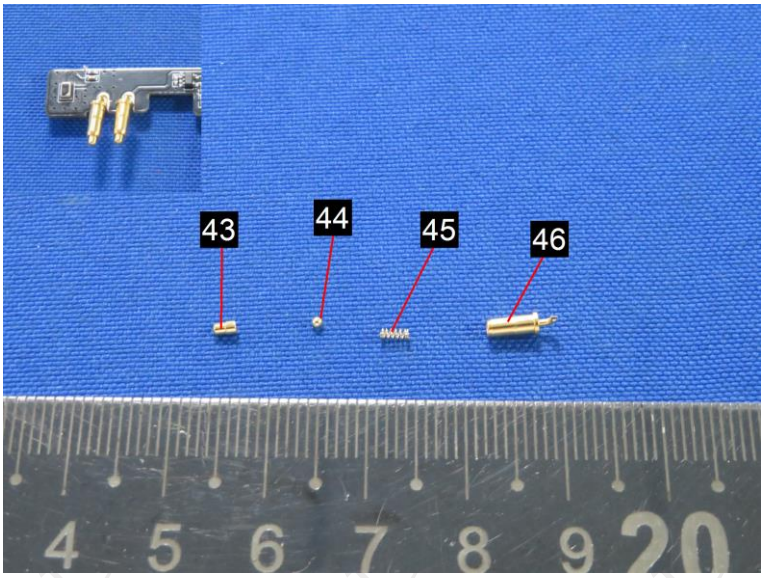

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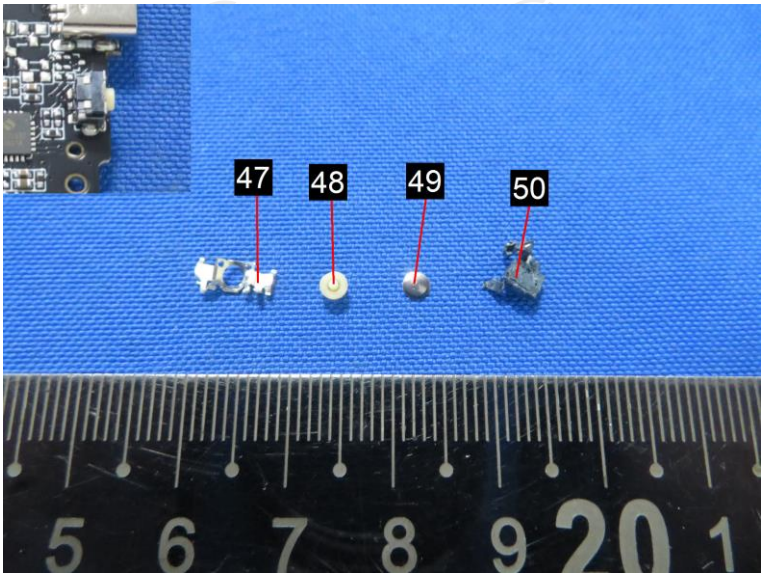

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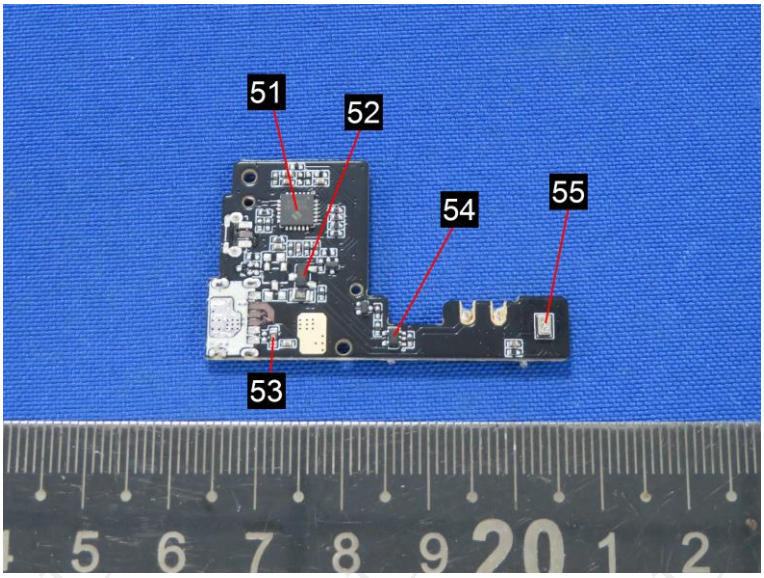

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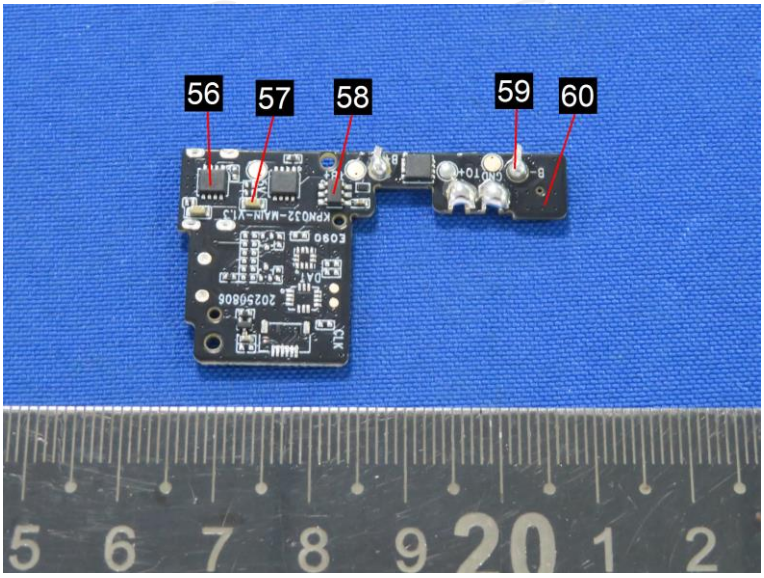

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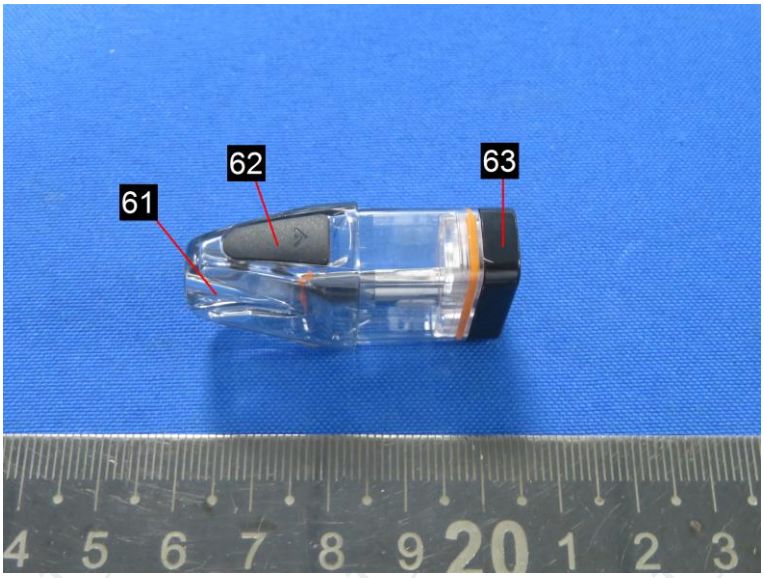

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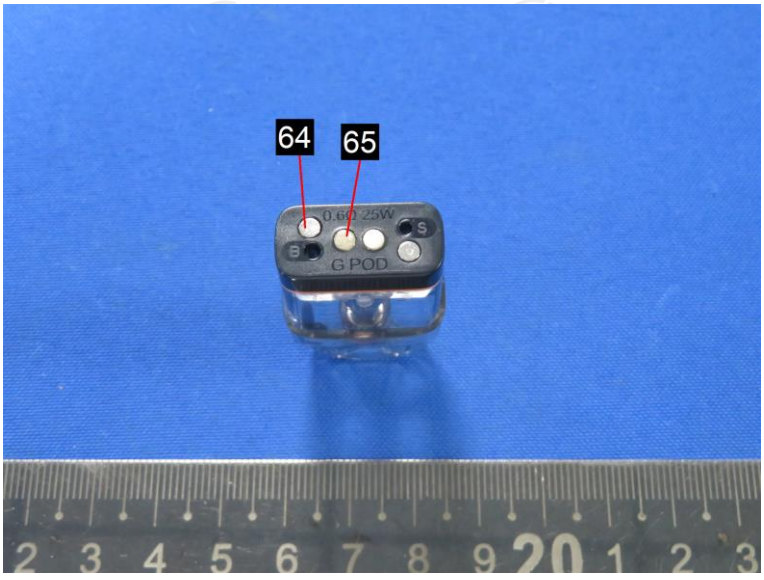

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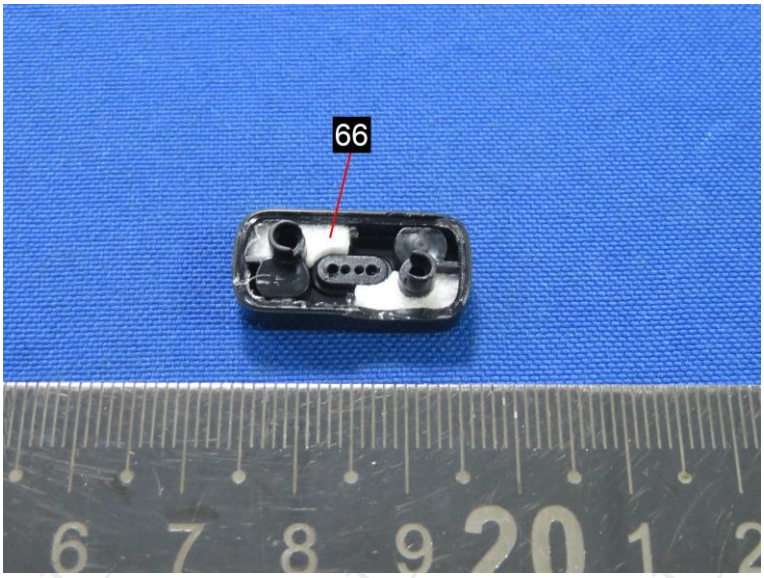

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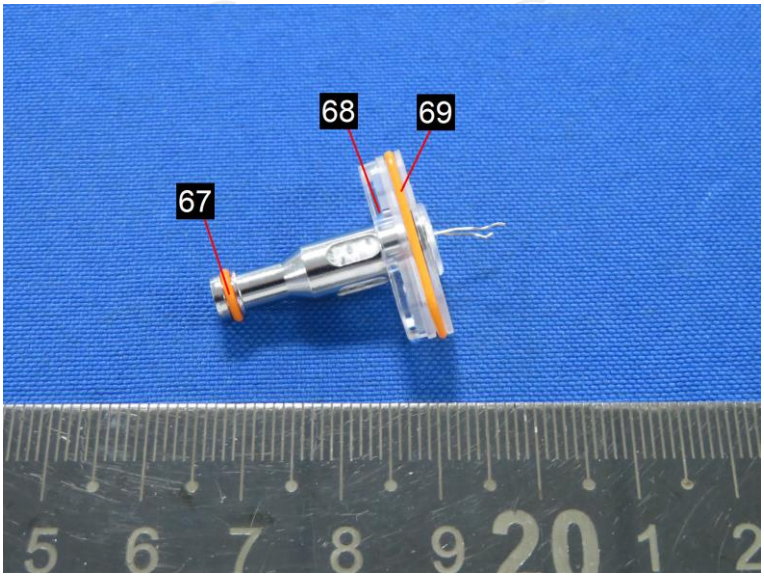

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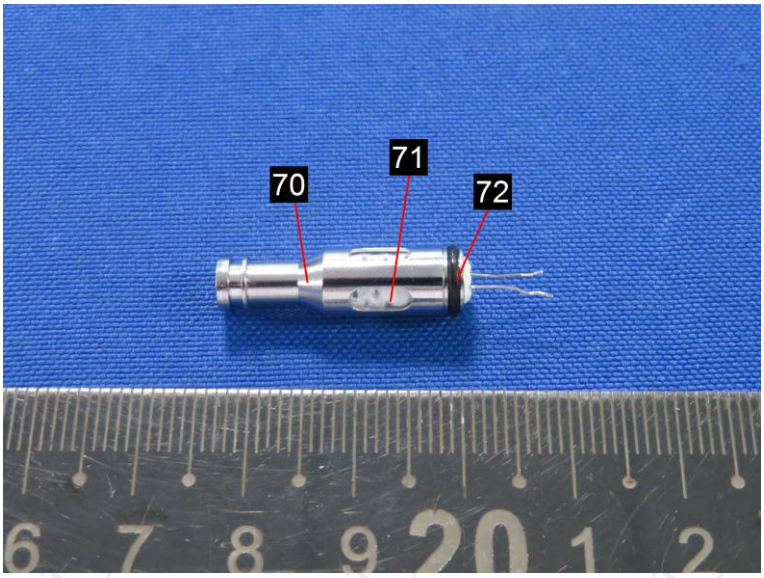

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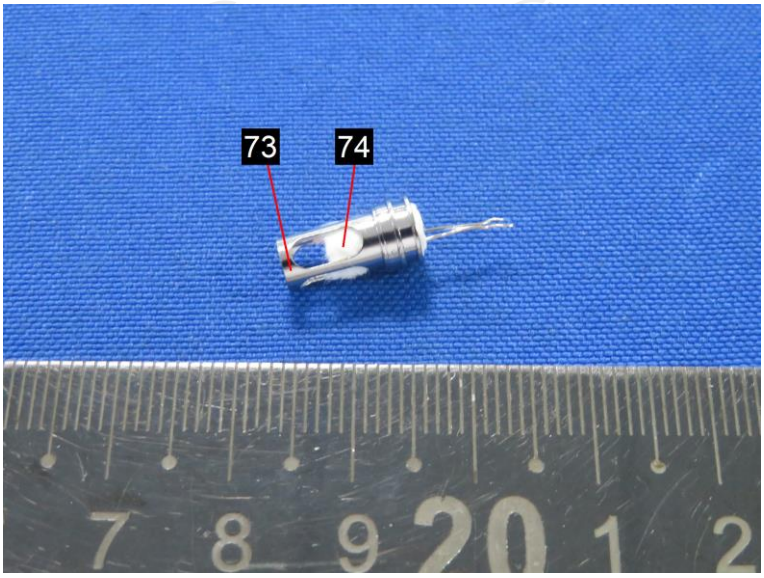

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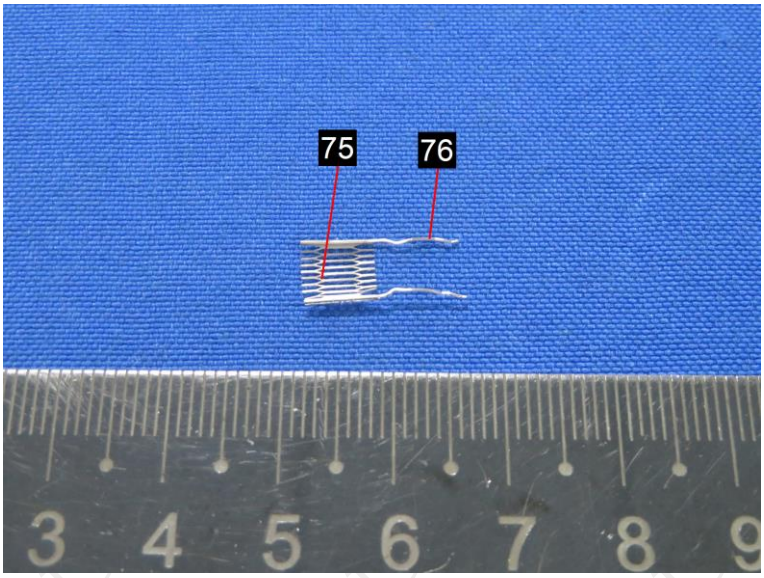

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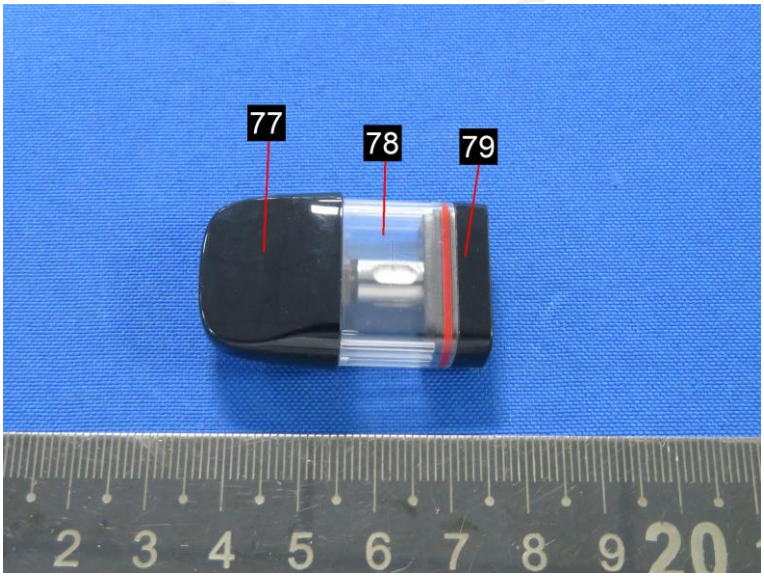

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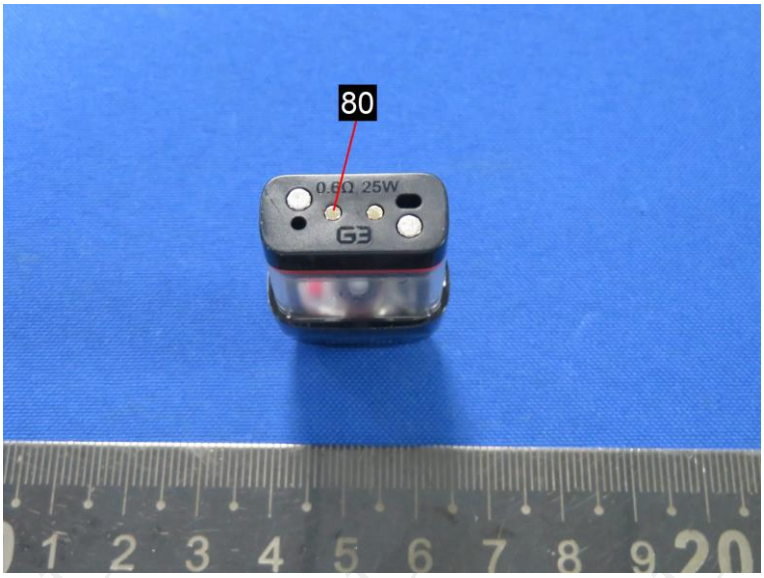

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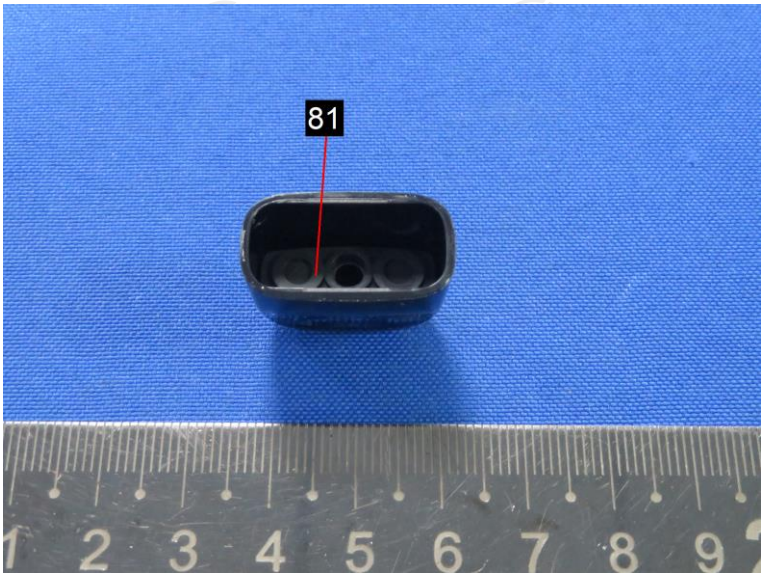

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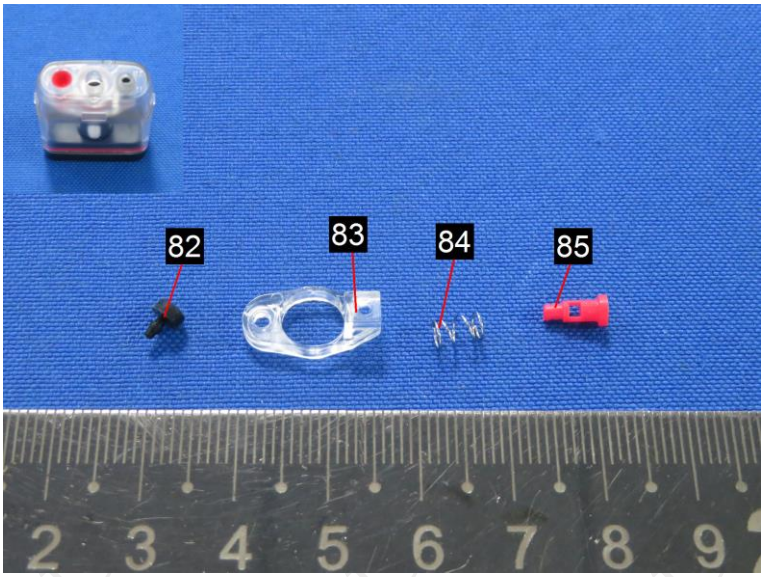

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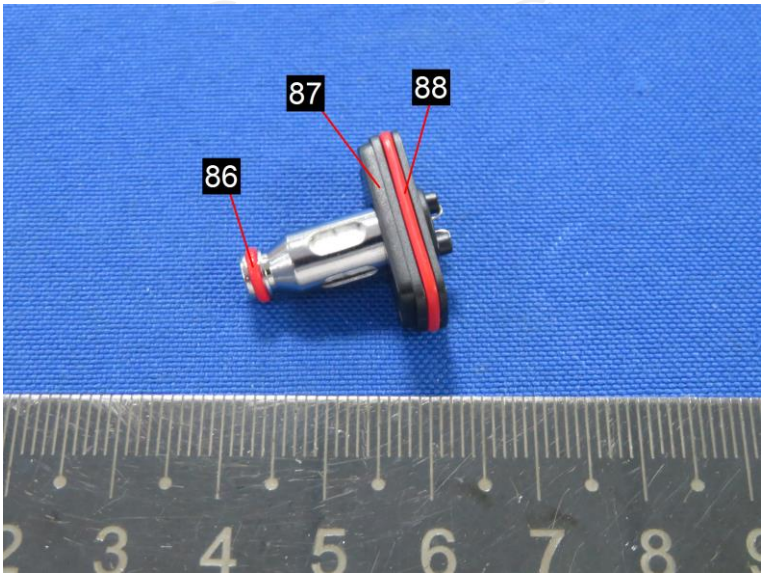

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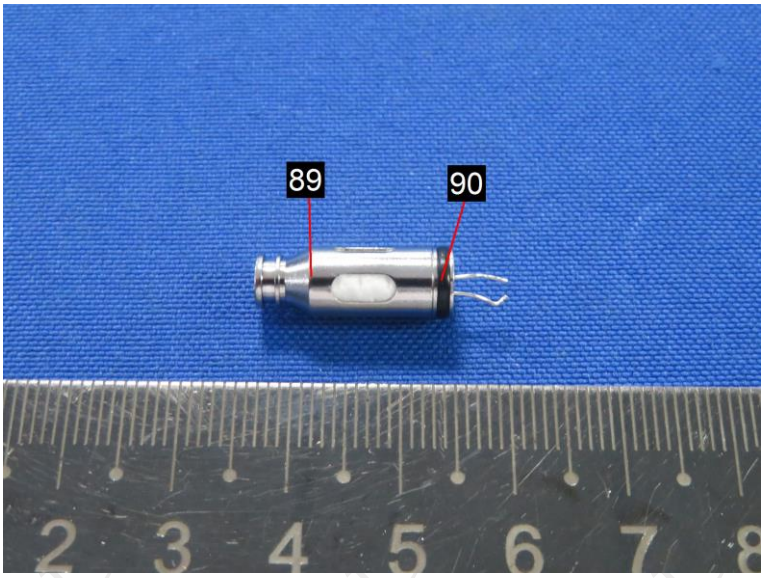

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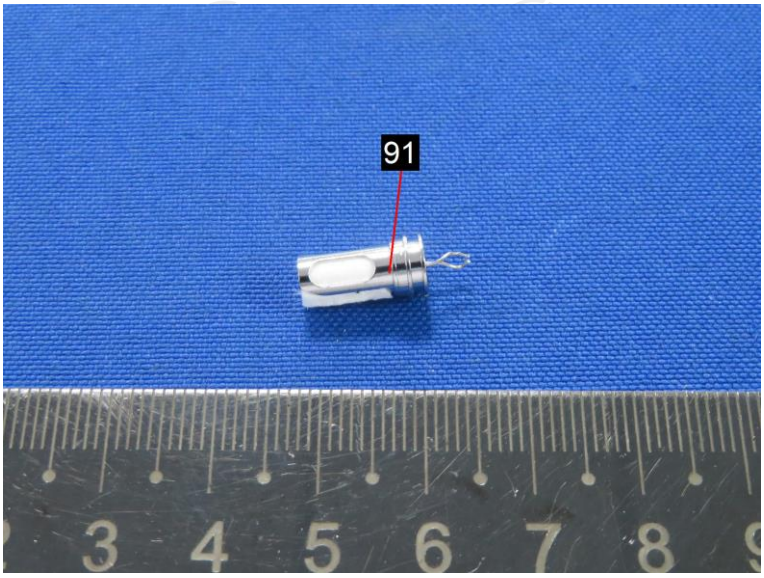

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***** End of Report *****

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