Test Report

Report No.: ELE2411C22174 Date: Nov. 25, 2024 Page No.: 1 of 12

Applicant:	Shenzhen Domino Times Technology Co., Ltd
Address:	Room 806, Taibang Tech.Building, Yuehai Street, Nanshan District, Shenzhen, China

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

Product Name:	Smart Watch
Model No.:	DM58
Trade Mark:	Domiwear
Manufacturer:	Shenzhen Domino Times Technology Co., Ltd
Address:	Room 806, Taibang Tech.Building, Yuehai Street, Nanshan District, Shenzhen, China
Sample Received Date:	2024.11.18
Testing Period:	2024.11.18—2024.11.25
Test Method:	Please refer to the following page(s).
Test Result(s):	Please refer to the following page(s).

Test Requested	**Result**
As specified by client, according to RoHS Directive 2011/65/EU with amendment (EU) 2015/863, to test Lead (Pb), Cadmium (Cd), Mercury (Hg), Hexavalent Chromium (Cr (VI)), Polybrominated Biphenyls (PBB), Polybrominated Diphenyl Ethers (PBDE), Phthalates (DBP, BBP, DEHP, DIBP) in the tested materials of the submitted sample(s).	Pass

Signed for and on behalf of

Shenzhen Element Testing Co., Ltd.

Noel Yin

Technical Manager

Tested Result:

1. Screening Result

With reference to IEC 62321-3-1:2013, by XRF

Spec. No.	Specimen Description:	Results						Date of sample submission /Resubmission
		Pb	Cd	Hg	Cr▼	Br▼		
						PBB	PBDE	
1	Silvery metal	BL	BL	BL	X	NA	NA	2024-11-22 2024-11-25
2	Transparent glass with black coating	BL	BL	BL	BL	BL	BL	2024-11-22
3	Silvery metal screws with black plating	BL	BL	BL	X	NA	NA	2024-11-22 2024-11-25
4	Grey soft plastic	BL	BL	BL	BL	BL	BL	2024-11-22
5	Black plastic	BL	BL	BL	BL	BL	BL	2024-11-22
6	Silvery metal	BL	BL	BL	X	NA	NA	2024-11-22 2024-11-25
7	Black adhesive plastic	BL	BL	BL	BL	BL	BL	2024-11-22
8	Yellow adhesive plastic	BL	BL	BL	BL	BL	BL	2024-11-22
9	Brown adhesive textile	BL	BL	BL	BL	BL	BL	2024-11-22
10	Black electronic components	BL	BL	BL	BL	BL	BL	2024-11-22
11	Black FPC	BL	BL	BL	BL	BL	BL	2024-11-22
12	Brown plastic	BL	BL	BL	BL	BL	BL	2024-11-22
13	Silvery metal screws	BL	BL	BL	BL	NA	NA	2024-11-22
14	Yellow FPC	BL	BL	BL	BL	BL	BL	2024-11-22
15	Black plastic jacket	BL	BL	BL	BL	BL	BL	2024-11-22
16	Red plastic jacket	BL	BL	BL	BL	BL	BL	2024-11-22
17	Silvery metal	BL	BL	BL	BL	NA	NA	2024-11-22
18	Black electronic components	BL	BL	BL	BL	BL	BL	2024-11-22
19	Black electronic components	BL	BL	BL	BL	BL	BL	2024-11-22

Spec. No.	Specimen Description:	Results						Date of sample submission /Resubmission
		Pb	Cd	Hg	Cr▼	Br▼		
						PBB	PBDE	
20	Black electronic components	BL	BL	BL	BL	BL	BL	2024-11-22
21	Black electronic components	BL	BL	BL	BL	BL	BL	2024-11-22
22	Blue PCB	BL	BL	BL	BL	X	X	2024-11-22 2024-11-25
23	Solder	BL	BL	BL	BL	NA	NA	2024-11-22
24	Silvery metal magnet	BL	BL	BL	BL	NA	NA	2024-11-22
25	Silvery metal screws	BL	BL	BL	BL	NA	NA	2024-11-22
26	Silvery metal	BL	BL	BL	X	NA	NA	2024-11-22 2024-11-25
27	Silvery metal	BL	BL	BL	X	NA	NA	2024-11-22 2024-11-25
28	Black plastic	BL	BL	BL	BL	BL	BL	2024-11-22
29	Black soft plastic	BL	BL	BL	BL	BL	BL	2024-11-22
30	Silvery metal	BL	BL	BL	BL	NA	NA	2024-11-22
31	Silvery metal	BL	BL	BL	X	NA	NA	2024-11-22 2024-11-25
32	Coppery metal	BL	BL	BL	X	NA	NA	2024-11-22 2024-11-25
33	Silvery metal	BL	BL	BL	BL	NA	NA	2024-11-22
34	Black adhesive foam	BL	BL	BL	BL	BL	BL	2024-11-22
35	Green PCB	BL	BL	BL	BL	BL	BL	2024-11-22
36	White LED	BL	BL	BL	BL	BL	BL	2024-11-22
37	Black FPC	BL	BL	BL	BL	BL	BL	2024-11-22
38	Silvery metal magnet	BL	BL	BL	BL	NA	NA	2024-11-22
39	Silvery metal	BL	BL	BL	BL	NA	NA	2024-11-22
40	Silvery metal	BL	BL	BL	BL	NA	NA	2024-11-22

Spec. No.	Specimen Description:	Results						Date of sample submission /Resubmission
		Pb	Cd	Hg	Cr▼	Br▼		
						PBB	PBDE	
41	Silvery metal	BL	BL	BL	X	NA	NA	2024-11-22 2024-11-25
42	Coppery metal	BL	BL	BL	BL	NA	NA	2024-11-22
43	Black plastic	BL	BL	BL	BL	BL	BL	2024-11-22
44	Silvery metal screws with black plating	BL	BL	BL	BL	NA	NA	2024-11-22
45	Black plastic jacket	BL	BL	BL	BL	BL	BL	2024-11-22
46	Black plastic	BL	BL	BL	BL	BL	BL	2024-11-22
47	Silvery metal	BL	BL	BL	X	NA	NA	2024-11-22 2024-11-25
48	Black plastic	BL	BL	BL	BL	X	X	2024-11-22 2024-11-25
49	Silvery metal	BL	BL	BL	BL	NA	NA	2024-11-22
50	Solder	BL	BL	BL	BL	NA	NA	2024-11-22
51	Red plastic jacket	BL	BL	BL	BL	BL	BL	2024-11-22
52	Black plastic jacket	BL	BL	BL	BL	BL	BL	2024-11-22
53	Coppery metal wire core	BL	BL	BL	BL	NA	NA	2024-11-22

2. Test result for Chemical Confirmation

(1) The test results of Hexavalent Chromium (Cr(VI))

With reference to IEC 62321-7-1:2015, by visible spectrophotometer (Vis)

Item	Unit	MDL	Results					Limit
			1	3	6	26	27	
Hexavalent Chromium (Cr (VI)) #	ug/cm^2	0.10	ND	ND	ND	ND	ND	-

Item	Unit	MDL	Results				Limit
			31	32	41	47	
Hexavalent Chromium (Cr (VI)) #	ug/cm^2	0.10	ND	ND	ND	ND	-

(2) The test results of PBB & PBDE

With reference to IEC 62321-6:2015, by solvent extraction and analysis was performed by gas chromatographic-mass spectrometer (GC-MS)

Item	Unit	MDL	Results		Limit
			22	48	
Polybrominated Biphenyls (PBB)					
Monobromobiphenyl	mg/kg	5	ND	ND	
Dibromobiphenyl	mg/kg	5	ND	ND	
Tribromobiphenyl	mg/kg	5	ND	ND	
Tetrabromobiphenyl	mg/kg	5	ND	ND	
Pentabromobiphenyl	mg/kg	5	ND	ND	
Hexabromobiphenyl	mg/kg	5	ND	ND	
Heptabromobiphenyl	mg/kg	5	ND	ND	
Octabromobiphenyl	mg/kg	5	ND	ND	
Nonabromodiphenyl	mg/kg	5	ND	ND	
Decabromodiphenyl	mg/kg	5	ND	ND	
Total content	mg/kg	/	ND	ND	1000
Polybrominated Diphenyl Ethers (PBDE)					
Monobromodiphenyl ether	mg/kg	5	ND	ND	
Dibromodiphenyl ether	mg/kg	5	ND	ND	
Tribromodiphenyl ether	mg/kg	5	ND	ND	
Tetrabromodiphenyl ether	mg/kg	5	ND	ND	
Pentabromodiphenyl ether	mg/kg	5	ND	ND	
Hexabromodiphenyl ether	mg/kg	5	ND	ND	
Heptabromodiphenyl ether	mg/kg	5	ND	ND	
Octabromodiphenyl ether	mg/kg	5	ND	ND	
Nonabromodiphenyl ether	mg/kg	5	ND	ND	
Decabromodiphenyl ether	mg/kg	5	ND	ND	
Total content	mg/kg	/	ND	ND	1000

(3) The test results of DBP, BBP, DEHP and DIBP

With reference to IEC 62321-8:2017, by solvent extraction and analysis was performed by gas chromatographic-mass spectrometer (GC-MS)

Item	Unit	MDL	Results		Limit
			4+29	5+28+48	
Dibuyl Phthalate (DBP)	mg/kg	250	ND	ND	1000
Benzylbutyl Phthalate (BBP)	mg/kg	250	ND	ND	1000
Bis(2-ethylhexyl) Phthalate (DEHP)	mg/kg	250	ND	ND	1000
Diispbutyl phthalate (DIBP)	mg/kg	250	ND	ND	1000

Item	Unit	MDL	Results		Limit
			7+8+34	9	
Dibuyl Phthalate (DBP)	mg/kg	250	ND	ND	1000
Benzylbutyl Phthalate (BBP)	mg/kg	250	ND	ND	1000
Bis(2-ethylhexyl) Phthalate (DEHP)	mg/kg	250	ND	ND	1000
Diispbutyl phthalate (DIBP)	mg/kg	250	ND	ND	1000

Item	Unit	MDL	Results		Limit
			12	45	
Dibuyl Phthalate (DBP)	mg/kg	250	ND	ND	1000
Benzylbutyl Phthalate (BBP)	mg/kg	250	ND	ND	1000
Bis(2-ethylhexyl) Phthalate (DEHP)	mg/kg	250	ND	ND	1000
Diispbutyl phthalate (DIBP)	mg/kg	250	ND	ND	1000

Item	Unit	MDL	Results		Limit
			46	51+52	
Dibuyl Phthalate (DBP)	mg/kg	250	ND	ND	1000
Benzylbutyl Phthalate (BBP)	mg/kg	250	ND	ND	1000
Bis(2-ethylhexyl) Phthalate (DEHP)	mg/kg	250	327	ND	1000
Diispbutyl phthalate (DIBP)	mg/kg	250	ND	ND	1000

Item	Unit	MDL	Results		Limit
			11+14+15+16+22	35+36+37+43	
Dibuyl Phthalate (DBP)	mg/kg	250	ND	ND	1000
Benzylbutyl Phthalate (BBP)	mg/kg	250	ND	ND	1000
Bis(2-ethylhexyl) Phthalate (DEHP)	mg/kg	250	ND	ND	1000
Diispbutyl phthalate (DIBP)	mg/kg	250	ND	ND	1000

Note:

(1) Results were obtained by XRF for primary screening, and further chemical testing by ICP (for Cd, Pb, Hg), Vis (for Cr (VI)) and GC-MS (for PBB, PBDE) are recommended to be performed, if the concentration exceeds the below warning value according to IEC 62321-3-1:2013.

Element	Unit	Non-metal	Metal	Composite Material
Cd	mg/kg	BL≤70-3σ<X <130+3σ≤OL	BL≤70-3σ<X <130+3σ≤OL	LOD<X<150+3σ≤OL
Pb	mg/kg	BL≤700-3σ<X <1300+3σ≤OL	BL≤700-3σ<X <1300+3σ≤OL	BL≤500-3σ<X <1500+3σ≤OL
Hg	mg/kg	BL≤700-3σ<X <1300+3σ≤OL	BL≤700-3σ<X <1300+3σ≤OL	BL≤500-3σ<X <1500+3σ≤OL
Cr	mg/kg	BL≤700-3σ<X	BL≤700-3σ<X	BL≤500-3σ<X
Br	mg/kg	BL≤300-3σ<X	NA	BL≤250-3σ<X

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

(3) This XRF Screening report is for reference purposes only. The applicant shall make its/his/her own judgment as to whether the information provided in this XRF screening report is sufficient for its/his/her purposes.

The result shown in this XRF screening report will differ based on various factors, including but not limited to,

the sample size, thickness, area, surface flatness, equipment parameters and matrix effect (e.g., plastic, rubber, metal, glass, ceramic etc.). Further wet chemical pre-treatment with relevant chemical equipment analysis is required to obtain quantitative data.

(4) The maximum permissible limit is quoted from the document 2015/863/EC amending RoHS directive 2011/65/EU:

(5) ▼=For restricted substances PBB and PBDE, the results show the total Br content; The restricted substance was Cr (VI), and the results showed the total Cr content

(6) BL =Below Limit
LOD = Limits of detection
OL =Over Limit
X =Inconclusive
3σ= The reproducibility of analytical instruments
NA= Not applicable
MDL = Method Detection Limit
mg/kg = ppm=parts per million
ND=Not Detected (<MDL or LOQ)

(7) # = a. The sample is positive for Cr (VI) if the Cr (VI) concentration is greater than 0.13ug/cm^2. The sample coating is considered to contain Cr (VI)
b. The sample is negative for Cr (VI) if Cr (VI) is ND (concentration less than 0.10ug/cm^2). The sample coating is considered a non- Cr (VI) based coating
c. The result between 0.10μg/cm^2 and 0.13μg/cm^2 is considered to be inconclusive, unavoidable coating variations may influence the determination

(8) Information on storage conditions and production date of the tested samples is unavailable and this Cr (VI) results represent status of the sample at the time of testing

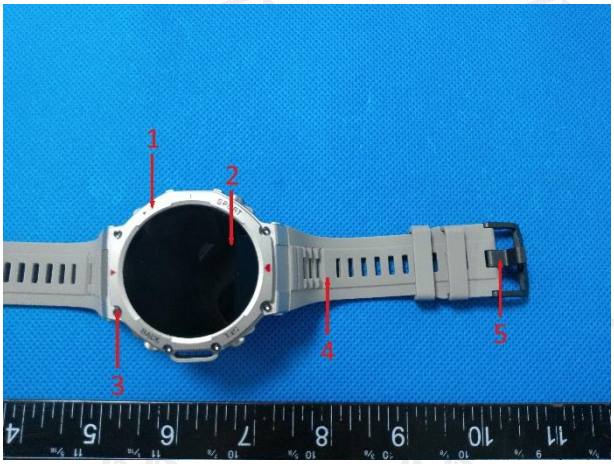
(9) According to the client's statement,
①RoHS Exemption: 6(a)-I an alloying element in steel for machining purposes containing up to 0.35 % lead by weight and in galvanized steel containing up to 0.20 % lead by weight.
②RoHS Exemption: 6(b)-II Aluminum alloy for machining purposes containing up to 0.4% lead by weight.
③RoHS Exemption: 6(c), Copper alloy containing up to 4 % lead by weight.
④RoHS Exemption: 7(c)-I, Electrical and electronic components containing lead in a glass or ceramic other than dielectric ceramic in capacitors, e.g., piezoelectronic devices, or in a glass or ceramic matrix compound

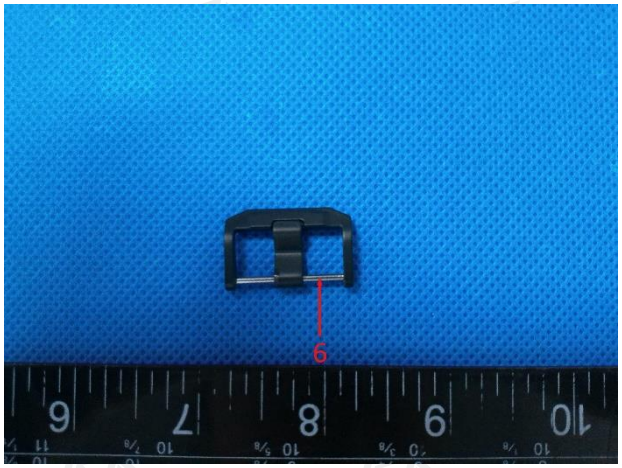
(10) (R)=Re-submitted sample.

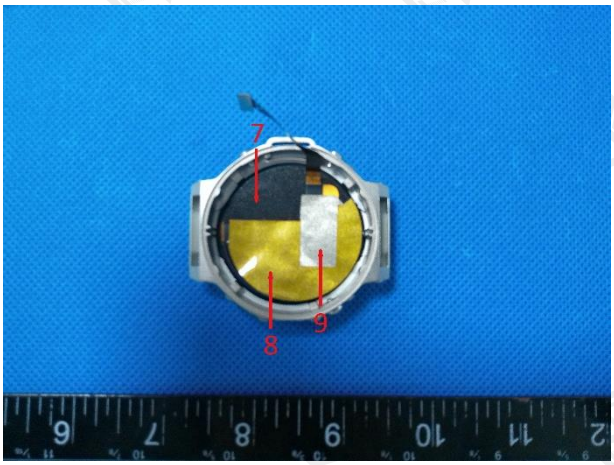
(11) The test report is only used for the purpose of customer research, teaching, internal quality control, product development and other purposes, and is for internal reference only.

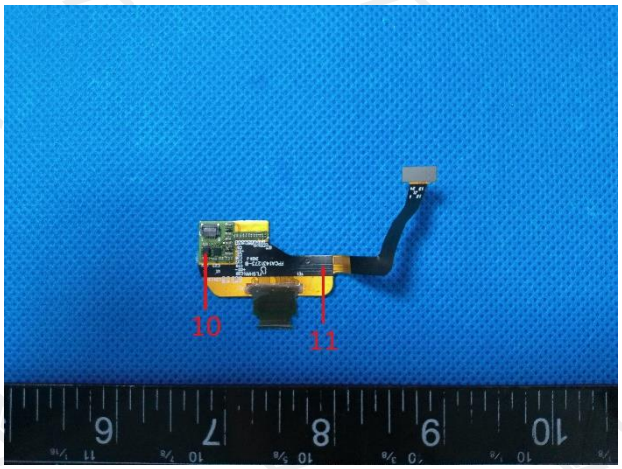
(12) Only selected materials were tested as per client's requirement.

Photo(s) of the sample(s)

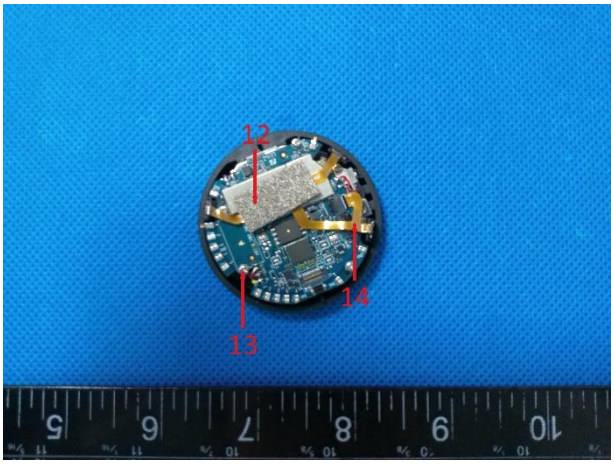


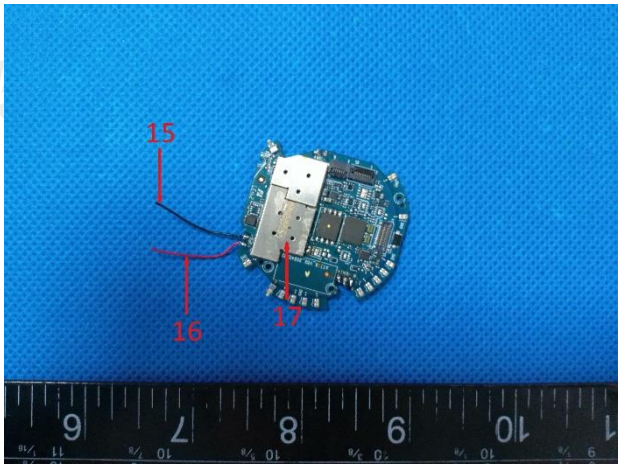


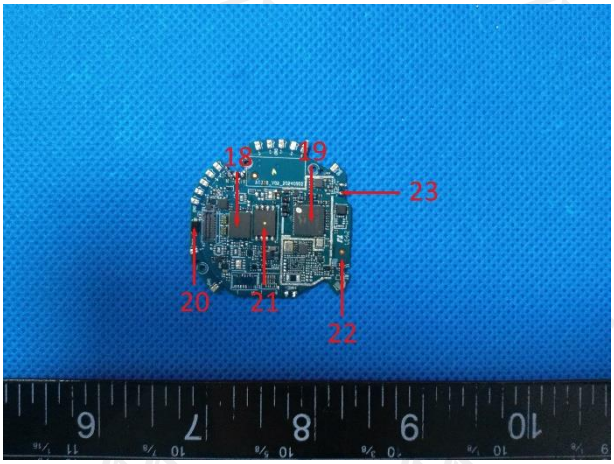


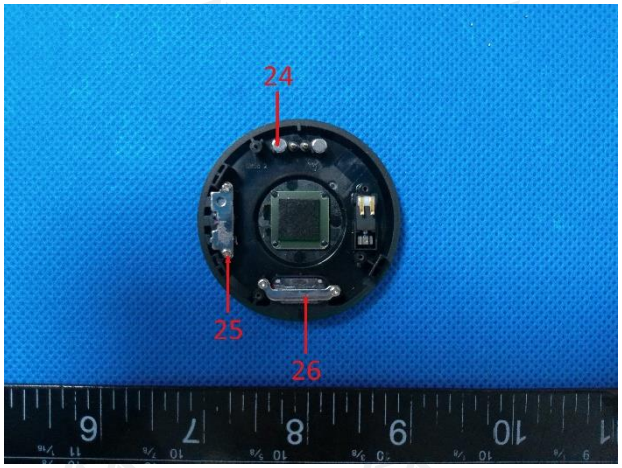


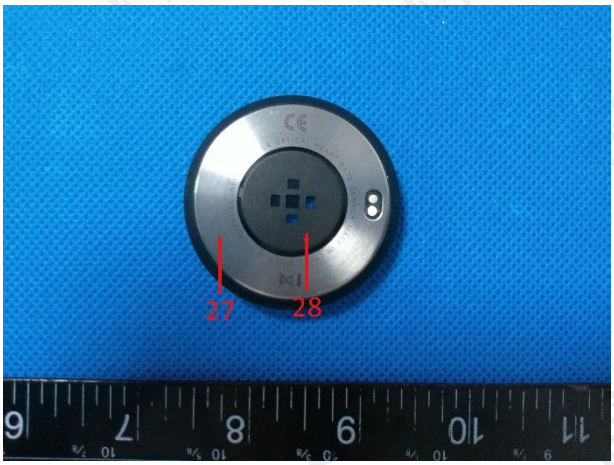
Photo(s) of the sample(s)

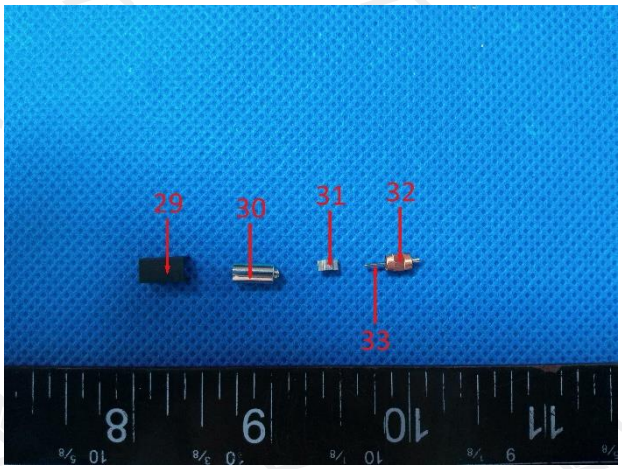




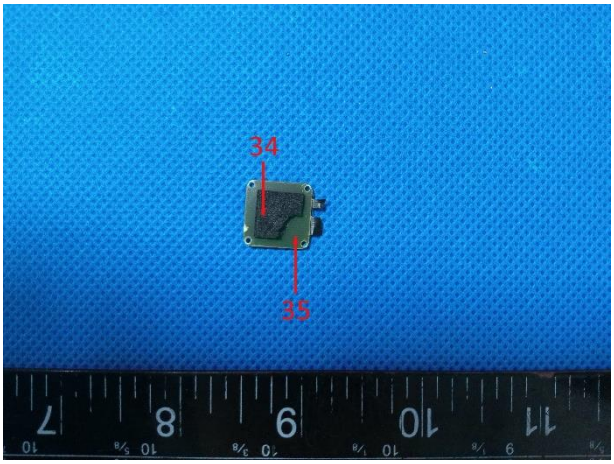


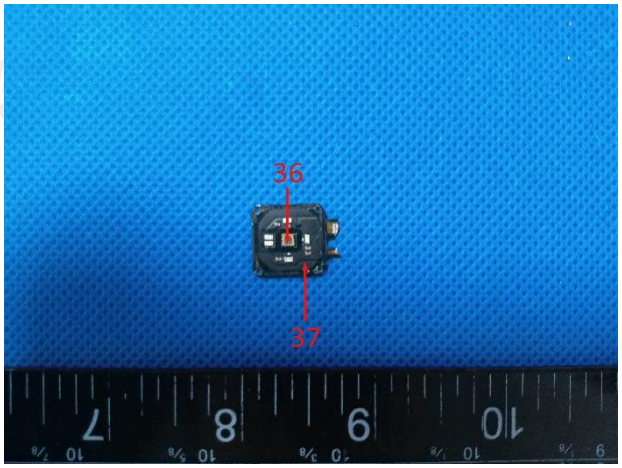


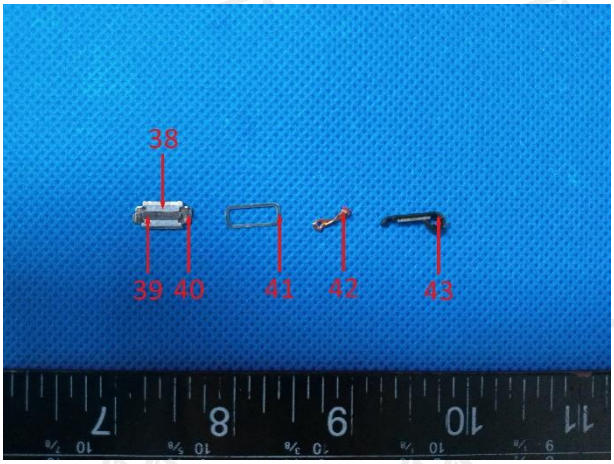


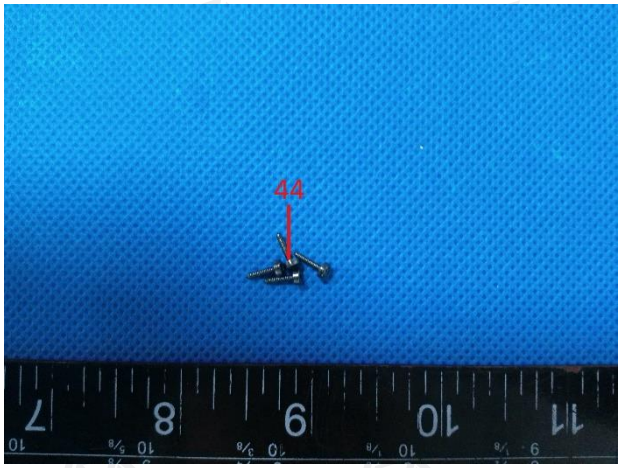


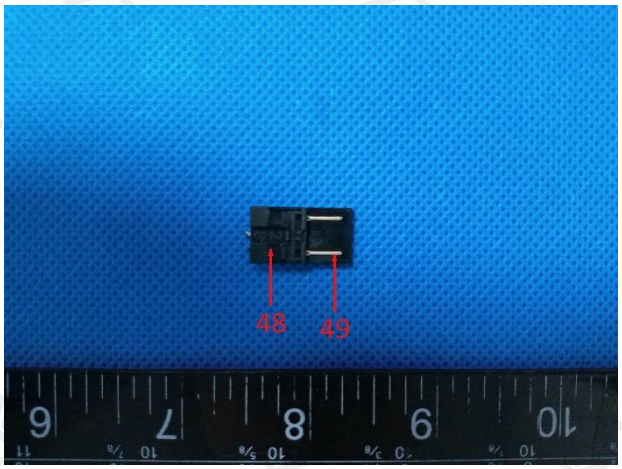
Photo(s) of the sample(s)











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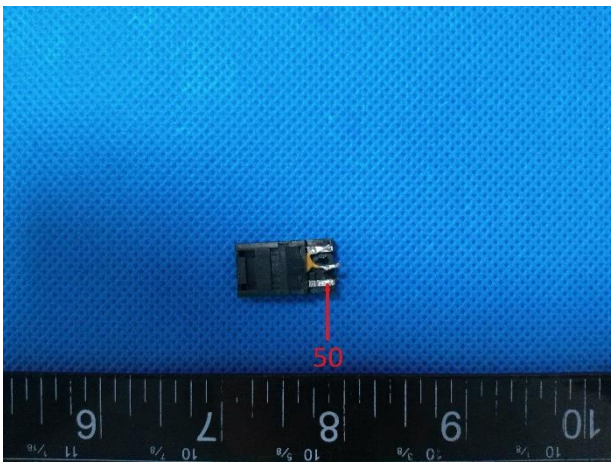

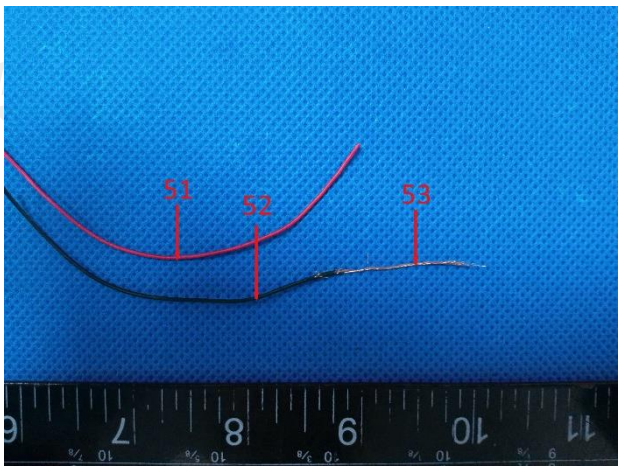

***** End of Report *****

Remark: This report is considered invalidated without the Special Seal of Shenzhen Element Testing Co., Ltd.. This report shall not be altered, increased, or deleted. The results shown in this test report refer only to the sample(s) tested. Without written approval of Shenzhen Element Testing Co., Ltd., this test report shall not be copied except in full and published as advertisement.