

Test Report No.:

1160039204c 001

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Client:

Zhejiang Uniview Technologies Co., Ltd.

1-3/F Area A and 2/F Area B, Building 2;1-11/F South Tower,
Building 10, 88 Jiangling Road, Xixing Town, Binjiang District,
Hangzhou City

Test item(s):

IP Camera

Test Model No(s):

IPC324LR3-VSPF28

Reference Style No(s).

IPC324LR3-VSPF40, IPC322LR3-VSPF28-C,
IPC322LR3-VSPF40-C,IPC324LRa-xxxxxxx-yyy-yyyy-zzz,
IPC322LRa-xxxxxxx-yyy-yyyy-zzz

Sample Receiving date:

2017-08-28

Delivery condition:

Apparent good, Samples tested as received

Test specification:

Test result:

Overall results according to tests performed

- Cadmium, Lead, Chromium (VI), Mercury, Polybrominated biphenyls (PBB) and Polybrominated diphenyl ethers (PBDE) Benzylbutyl phthalate (BBP), Dibutyl phthalate (DBP), Bis(2-ethylhexyl) phthalate (DEHP), Diisobutyl phthalate (DIBP)**
According to RoHS (recast): Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment, 2011/65/EU last amended by (EU) 2015/863

PASS

Other Information:

Test period: 2017-08-28 ~ 2017-09-08

The testing items in the report were subcontracted to the lab which complied with ISO17025.

For and on behalf of
TÜV Rheinland / CCIC (Ningbo) Co., Ltd.



2017-09-11 Xie Xianqiang Department Manager

Date Name/Position

Test result is drawn according to the kind and extent of tests performed.

This test report relates to the a. m. test sample. Without permission of the test center this test report is not permitted to be duplicated in extracts. This test report does not entitle to carry any safety mark on this or similar products.

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1. Screening Test by XRF Spectroscopy

 Test Method: Cadmium, Lead, Mercury, Chromium, Bromine
 -With reference to IEC 62321-3-1: 2013

Testing Period: 2017-08-28 ~ 2017-09-08

Material No.	Result (mg/kg)				
	Cd	Pb	Cr	Hg	Br
	Limit(mg/kg)				
	100	1000	Cr(VI): 1000	1000	PBB: 1000 PBDE: 1000
1(white plastic shell)	n.d.	n.d.	n.d.	n.d.	n.d.
2(metal)(screw)	n.d.	n.d.	d(^2)	n.d.	N.A.
3(metal)(silver ring)	n.d.	d(^1)	n.d.	n.d.	N.A.
4(metal)(screw)	n.d.	n.d.	d(^2)	n.d.	N.A.
5(silver-grey metal base)	n.d.	n.d.	n.d.	n.d.	N.A.
6(white coating)	n.d.	n.d.	n.d.	n.d.	n.d.
7(black rubber)	n.d.	n.d.	n.d.	n.d.	n.d.
8(white sealant)	n.d.	n.d.	n.d.	n.d.	n.d.
9(white wire jacket)	n.d.	n.d.	n.d.	n.d.	n.d.
10(silver paper)	n.d.	n.d.	n.d.	n.d.	N.A.
11(white heat-shrinkable tubing)	n.d.	n.d.	n.d.	n.d.	n.d.
12(white plastic socket)	n.d.	n.d.	n.d.	n.d.	n.d.
13(silver metal plug)	n.d.	n.d.	n.d.	n.d.	n.d.
14(black wire jacket)	n.d.	n.d.	n.d.	n.d.	n.d.
15(blue wire jacket)	n.d.	n.d.	n.d.	n.d.	n.d.
16(brown wire jacket)	n.d.	n.d.	n.d.	n.d.	n.d.
17(green wire jacket)	n.d.	n.d.	n.d.	n.d.	n.d.
18(orange wire jacket)	n.d.	n.d.	n.d.	n.d.	n.d.
19(red wire jacket)	n.d.	n.d.	n.d.	n.d.	n.d.
20(white-brown wire jacket)	n.d.	n.d.	n.d.	n.d.	n.d.
21(white-blue wire jacket)	n.d.	n.d.	n.d.	n.d.	n.d.
22(white-orange wire jacket)	n.d.	n.d.	n.d.	n.d.	n.d.
23(white-green wire jacket)	n.d.	n.d.	n.d.	n.d.	n.d.
24(copper wire)	n.d.	n.d.	n.d.	n.d.	N.A.
25(white bushing plastic shell)	n.d.	n.d.	n.d.	n.d.	n.d.
26(internal black rubber)	n.d.	n.d.	n.d.	n.d.	n.d.
27(small socket-white plastic shell)	n.d.	n.d.	n.d.	n.d.	n.d.
28(outer ring silvery metal)	n.d.	d(^1)	n.d.	n.d.	N.A.
29(soldering tin)	n.d.	d(^1)	n.d.	n.d.	N.A.

Material No.	Result (mg/kg)				
	Cd	Pb	Cr	Hg	Br
	Limit(mg/kg)				
	100	1000	Cr(VI): 1000	1000	PBB: 1000 PBDE: 1000
30(inner rinf silvery metal)	n.d.	d(^1)	n.d.	n.d.	N.A.
31(black plastic)	n.d.	n.d.	n.d.	n.d.	d(^1)
32(central metal column)	n.d.	d(^1)	n.d.	n.d.	N.A.
33(LAN socket-white plastic shell)	n.d.	n.d.	n.d.	n.d.	n.d.
34(white rubber)	n.d.	n.d.	n.d.	n.d.	n.d.
35(white plastic shell)	n.d.	n.d.	n.d.	n.d.	d(^1)
36(metal)(gold pin)	n.d.	n.d.	n.d.	n.d.	N.A.
37(black plastic support)	n.d.	n.d.	n.d.	n.d.	n.d.
38(soldering tin)	n.d.	d(^1)	n.d.	n.d.	N.A.
39(buckle-creamy white plastic head)	n.d.	n.d.	n.d.	n.d.	n.d.
40(white rubber cushion)	n.d.	n.d.	n.d.	n.d.	n.d.
41(white seal ring)	n.d.	n.d.	n.d.	n.d.	n.d.
42(creamy white soft plastic)	n.d.	n.d.	n.d.	n.d.	n.d.
43(creamy white plastic shell)	n.d.	n.d.	n.d.	n.d.	n.d.
44(white plastic feet)	n.d.	n.d.	n.d.	n.d.	n.d.
45(metal)(screw)	n.d.	n.d.	d(^2)	n.d.	N.A.
46(silver metal)	n.d.	n.d.	n.d.	n.d.	N.A.
47(transparent plastic cover)	n.d.	n.d.	n.d.	n.d.	n.d.
48(black gasket)	n.d.	n.d.	n.d.	n.d.	n.d.
49(metal)(screw)	n.d.	n.d.	d(^2)	n.d.	N.A.
50(white rubber gasket)	n.d.	n.d.	n.d.	n.d.	n.d.
51(metal)(silver gasket)	n.d.	n.d.	n.d.	n.d.	N.A.
52(metal)(silver ring)	n.d.	d(^1)	n.d.	n.d.	N.A.
53(metal)(silver support)	n.d.	n.d.	n.d.	n.d.	N.A.
54(silver metal)	n.d.	d(^1)	n.d.	n.d.	N.A.
55(metal)(black screw)	n.d.	n.d.	d(^2)	n.d.	N.A.
56(metal)(screw)	n.d.	n.d.	d(^2)	n.d.	N.A.
57(metal)(screw)	n.d.	n.d.	d(^2)	n.d.	N.A.
58(metal)(spring)	n.d.	n.d.	d(^2)	n.d.	N.A.
59(metal)(screw)	n.d.	n.d.	d(^2)	n.d.	N.A.
60(metal)(shrapnel)	n.d.	n.d.	d(^2)	n.d.	N.A.
61(metal)(gasket)	n.d.	n.d.	d(^2)	n.d.	N.A.
62(blue silicone sheet)	n.d.	n.d.	n.d.	n.d.	n.d.
63(grey silicone sheet)	n.d.	n.d.	n.d.	n.d.	n.d.
64(pink silicone sheet)	n.d.	n.d.	n.d.	n.d.	n.d.

Material No.	Result (mg/kg)				
	Cd	Pb	Cr	Hg	Br
	Limit(mg/kg)				
	100	1000	Cr(VI): 1000	1000	PBB: 1000 PBDE: 1000
65(green wire jacket)	n.d.	n.d.	n.d.	n.d.	n.d.
66(red wire jacket)	n.d.	n.d.	n.d.	n.d.	n.d.
67(copper wire)	n.d.	n.d.	n.d.	n.d.	N.A.
68(white plastic socket)	n.d.	n.d.	n.d.	n.d.	n.d.
69(silver metal plug)	n.d.	n.d.	n.d.	n.d.	N.A.
70(pin wire jacket)	n.d.	n.d.	n.d.	n.d.	n.d.
71(black wire jacket)	n.d.	n.d.	n.d.	n.d.	n.d.
72(copper wire)	n.d.	n.d.	n.d.	n.d.	N.A.
73(white plastic socket)	n.d.	n.d.	n.d.	n.d.	n.d.
74(silver metal plug)	n.d.	n.d.	n.d.	n.d.	N.A.
75(metal)(gold terminals)	n.d.	d(^1)	n.d.	n.d.	N.A.
76(black cotton)	n.d.	n.d.	n.d.	n.d.	n.d.
77(elastic rope)	n.d.	n.d.	n.d.	n.d.	n.d.
78(double faced adhesive tape)	n.d.	n.d.	n.d.	n.d.	n.d.
79(transparent plastic cover)	n.d.	n.d.	n.d.	n.d.	n.d.
80(desiccant)	n.d.	n.d.	n.d.	n.d.	n.d.
81(black plastic shell)	n.d.	n.d.	n.d.	n.d.	n.d.
82(camera-black plastic shell)	n.d.	n.d.	n.d.	n.d.	n.d.
83(small round glass)	n.d.	n.d.	n.d.	n.d.	n.d.
84(big round glass)	n.d.	n.d.	n.d.	n.d.	n.d.
85(lens base-grey plastic)	n.d.	n.d.	n.d.	n.d.	n.d.
86(grey plastic shell)	n.d.	n.d.	n.d.	n.d.	n.d.
87(black sticker)	n.d.	n.d.	n.d.	n.d.	n.d.
88(colored glass)	n.d.	n.d.	n.d.	n.d.	n.d.
89(metal)(black sheet)	n.d.	d(^1)	n.d.	n.d.	N.A.
90(black plastic paper needles)	n.d.	n.d.	n.d.	n.d.	d(^1)
91(conducting strip)	n.d.	n.d.	n.d.	n.d.	N.A.
92(enameled wire)	n.d.	n.d.	n.d.	n.d.	N.A.
93(black plastic)	n.d.	n.d.	n.d.	n.d.	d(^1)
94(soldering tin)	n.d.	d(^1)	n.d.	n.d.	N.A.
95(black wire jacket)	n.d.	n.d.	n.d.	n.d.	n.d.
96(white wire jacket)	n.d.	n.d.	n.d.	n.d.	n.d.
97(copper wire)	n.d.	n.d.	n.d.	n.d.	N.A.
98(white plastic socket)	n.d.	n.d.	n.d.	n.d.	n.d.

Material No.	Result (mg/kg)				
	Cd	Pb	Cr	Hg	Br
	Limit(mg/kg)				
	100	1000	Cr(VI): 1000	1000	PBB: 1000 PBDE: 1000
99(silver metal plug)	n.d.	n.d.	n.d.	n.d.	n.d.
100(silver aluminum plate)	n.d.	n.d.	n.d.	n.d.	N.A.
101(black coating)	n.d.	n.d.	n.d.	n.d.	n.d.
102(LED light)	n.d.	n.d.	n.d.	n.d.	n.d.
103(beige plastic base)	n.d.	n.d.	n.d.	n.d.	d(^1)
104(pin)	n.d.	n.d.	n.d.	n.d.	N.A.
105(green PCB board)	n.d.	n.d.	n.d.	n.d.	d(^1)
106(black electrolytic capacitor plastic shell)	n.d.	n.d.	n.d.	n.d.	n.d.
107(silver electrolytic capacitor aluminum shell)	n.d.	n.d.	n.d.	n.d.	N.A.
108(electrolytic capacitor core)	n.d.	n.d.	n.d.	n.d.	n.d.
109(electrolytic capacitor gasket)	n.d.	n.d.	n.d.	n.d.	n.d.
110(pin)	n.d.	n.d.	n.d.	n.d.	N.A.
111(SMD capacitance)	n.d.	n.d.	n.d.	n.d.	n.d.
112(blue electrolytic capacitor plastic shell)	n.d.	n.d.	n.d.	n.d.	n.d.
113(silver electrolytic capacitor aluminum shell)	n.d.	n.d.	n.d.	n.d.	N.A.
114(electrolytic capacitor core)	n.d.	n.d.	n.d.	n.d.	n.d.
115(electrolytic capacitor gasket)	n.d.	n.d.	n.d.	n.d.	n.d.
116(pin)	n.d.	n.d.	n.d.	n.d.	N.A.
117(big IC module-black plastic shell)	n.d.	n.d.	n.d.	n.d.	n.d.
118(inner core)	n.d.	n.d.	n.d.	n.d.	n.d.
119(small IC module)	n.d.	n.d.	n.d.	n.d.	n.d.
120(diode)	n.d.	n.d.	n.d.	n.d.	n.d.
121(beige plastic base)	n.d.	n.d.	n.d.	n.d.	d(^1)
122(pin)	n.d.	n.d.	n.d.	n.d.	N.A.
123(creamy white plastic base)	n.d.	n.d.	n.d.	n.d.	d(^1)
124(pin)	n.d.	n.d.	n.d.	n.d.	N.A.
125(transformer-yellow tape)	n.d.	n.d.	n.d.	n.d.	n.d.
126(grey plastic shell)	n.d.	n.d.	n.d.	n.d.	n.d.
127(enameled wire)	n.d.	n.d.	n.d.	n.d.	N.A.
128(black plastic support)	n.d.	n.d.	n.d.	n.d.	n.d.
129(black plastic base)	n.d.	n.d.	n.d.	n.d.	n.d.
130(reverse side-big IC module)	n.d.	n.d.	n.d.	n.d.	n.d.

Material No.	Result (mg/kg)				
	Cd	Pb	Cr	Hg	Br
	Limit(mg/kg)				
	100	1000	Cr(VI): 1000	1000	PBB: 1000 PBDE: 1000
131(SMD capacitance)	n.d.	n.d.	n.d.	n.d.	n.d.
132(resistance)	n.d.	n.d.	n.d.	n.d.	n.d.
133(small IC module)	n.d.	n.d.	n.d.	n.d.	n.d.
134(audion)	n.d.	n.d.	n.d.	n.d.	n.d.
135(diode)	n.d.	n.d.	n.d.	n.d.	n.d.
136(inductance magnet)	n.d.	n.d.	n.d.	n.d.	N.A.
137(PCB board soldering tin)	n.d.	d(^1)	n.d.	n.d.	N.A.
138(black PCB board)	n.d.	n.d.	n.d.	n.d.	d(^1)
139(square chip)	n.d.	n.d.	n.d.	n.d.	n.d.
140(rectangular chip)	n.d.	n.d.	n.d.	n.d.	n.d.
141(square IC module)	n.d.	n.d.	n.d.	n.d.	n.d.
142(rectangular IC module)	n.d.	n.d.	n.d.	n.d.	n.d.
143(battery yellow tape)	n.d.	n.d.	n.d.	n.d.	n.d.
144(wire sheet)	n.d.	n.d.	n.d.	n.d.	N.A.
145(beige plastic base)	n.d.	n.d.	n.d.	n.d.	d(^1)
146(pin)	n.d.	n.d.	n.d.	n.d.	N.A.
147(reverse side-diode)	n.d.	n.d.	n.d.	n.d.	n.d.
148(IC module)	n.d.	n.d.	n.d.	n.d.	n.d.
149(audion)	n.d.	n.d.	n.d.	n.d.	n.d.
150(SMD capacitance)	n.d.	n.d.	n.d.	n.d.	n.d.
151(beige plastic base)	n.d.	n.d.	n.d.	n.d.	d(^1)
152(pin)	n.d.	n.d.	n.d.	n.d.	N.A.
153(inductance magnet)	n.d.	n.d.	n.d.	n.d.	N.A.
154(inductive enameled wire)	n.d.	n.d.	n.d.	n.d.	N.A.
155(central colored glass)	n.d.	n.d.	n.d.	n.d.	n.d.
156(PCB board soldering tin)	n.d.	d(^1)	n.d.	n.d.	N.A.

Abbreviation:

Pb	denotes Lead
Cd	denotes Cadmium
Hg	denotes Mercury
Cr	denotes Chromium
Cr(VI)	denotes Chromium(VI)
Br	denotes Bromine
PBBs	denotes Total Polybrominated Biphenyls
PBDEs	denotes Total Polybrominated Diphenyl Ethers
<	denotes less than
N.A.	denotes Not Applicable
n.d.	denotes Not Detected
d	denotes Detected

Remark:

(^1) The screening result was found in the inconclusive region (X), thus the further wet chemistry tests are suggested.

(^2) The Chromium (VI) content in surface layer has been confirmed with reference to IEC 62321-7-1: 2015.

XRF Screening limits for different materials:

Materials	Concentration (mg/kg)				
	Cd	Cr	Pb	Hg	Br
Metallic material	P≤ 50 < X ≤150 < F	P≤ 630 < X	P≤ 690 < X≤1360 < F	P≤ 520 < X≤1560 < F	NA
Polymeric material	P≤ 50 < X ≤150 < F	P≤ 630 < X	P≤ 690 < X≤1360 < F	P≤ 520 < X≤1560 < F	P≤ 300 < X
Electronic material	P≤ 50 < X ≤180 < F	P≤ 500 < X	P≤ 550 < X≤1640 < F	P≤410 < X≤1870 < F	P≤ 240 < X

2. Confirmation Test by Wet Chemistry

Test Method: Total Cadmium, Lead, Mercury, Chromium
 -Ref. to IEC 62321-4: 2013 & IEC 62321-5: 2013
 Chromium (VI)
 - For Metal material - Ref. to IEC 62321-7-1: 2015
 - For Plastic or Electronic material – Ref. to IEC 62321: 2008 Annex C
 - For Leather material - Ref. to ISO 17075: 2007
 PBBs, PBDEs – Ref. to IEC 62321-6: 2015
 Testing Period: 2017-03-02 ~ 2017-03-13

Material list:

Material No.	Material	Color	Test Plan
			A=Test HM only B=Test FR only C=Test HM+FR
3	metal	silver	A
28	metal	silver	A
29	metal	silver	A
30	metal	silver	A
31	plastic	black	B
32	metal	silver	A
35	plastic	white	B
38	metal	silver	A
52	metal	silver	A
54	metal	silver	A
75	metal	gold	A
89	metal	black	A
90	plastic	black	B
93	plastic	black	B
94	silver	silver	A
103	plastic	beige	B
105	PCB board	green	B
121	plastic	beige	B
123	plastic	creamy white	B
137	metal	silver	A
138	PCB board	black	B

Material No.	Material	Color	Test Plan
			A=Test HM only B=Test FR only C=Test HM+FR
145	plastic	beige	B
151	plastic	beige	B
156	metal	silver	A

Abbreviation: HM (Heavy metal) = Cd, Pb, Hg, Cr (VI)
 FR (Flame Retardant) = PBBs, PBDEs

Test result:

	Cd	Pb	Cr (VI)	Hg	PBBs	PBDEs
Maximum Permissible Limit ppm (mg/kg)	100	1000	1000	1000	1000	1000

Material No.	Ppm (mg/kg)					
	Cd	Pb	Cr [^]	Hg	PBBs	PBDEs
	MDL (mg/kg)					
	2	2	2	2	--(^3)	--(^3)
3	N.A.	N.D.	N.A.	N.A.	N.A.	N.A.
28	N.A.	81	N.A.	N.A.	N.A.	N.A.
29	N.A.	305	N.A.	N.A.	N.A.	N.A.
30	N.A.	54	N.A.	N.A.	N.A.	N.A.
31	N.A.	N.A.	N.A.	N.A.	N.D.	N.D.
32	17	30130 ^[6(c)]	N.A.	N.A.	N.A.	N.A.
35	N.A.	N.A.	N.A.	N.A.	N.D.	N.D.
38	N.A.	324	N.A.	N.A.	N.A.	N.A.
52	N.A.	62	N.A.	N.A.	N.A.	N.A.
54	N.A.	N.D.	N.A.	N.A.	N.A.	N.A.
75	N.A.	70	N.A.	N.A.	N.A.	N.A.
89	N.A.	N.D.	N.A.	N.A.	N.A.	N.A.
90	N.A.	N.A.	N.A.	N.A.	N.D.	N.D.
93	N.A.	N.A.	N.A.	N.A.	N.D.	N.D.

Material No.	Ppm (mg/kg)					
	Cd	Pb	Cr [^]	Hg	PBBs	PBDEs
	MDL (mg/kg)					
	2	2	2	2	--(^3)	--(^3)
94	N.A.	221	N.A.	N.A.	N.A.	N.A.
103	N.A.	N.A.	N.A.	N.A.	N.D.	N.D.
105	N.A.	N.A.	N.A.	N.A.	N.D.	N.D.
121	N.A.	N.A.	N.A.	N.A.	N.D.	N.D.
123	N.A.	N.A.	N.A.	N.A.	N.D.	N.D.
137	N.A.	88	N.A.	N.A.	N.A.	N.A.
138	N.A.	N.A.	N.A.	N.A.	N.D.	N.D.
145	N.A.	N.A.	N.A.	N.A.	N.D.	N.D.
151	N.A.	N.A.	N.A.	N.A.	N.D.	N.D.
156	N.A.	340	N.A.	N.A.	N.A.	N.A.

Material no.	Hexavalent Chromium Content ($\mu\text{g}/\text{cm}^2$) ^(*)
	RL: 0.10 $\mu\text{g}/\text{cm}^2$
2	Negative
4	Negative
45	Negative
49	Negative
55	Negative
56	Negative
57	Negative
58	Negative
59	Negative
60	Negative
61	Negative

Abbreviation:

Pb	denotes Lead
Cd	denotes Cadmium
Hg	denotes Mercury
Cr	denotes Chromium
Cr(VI)	denotes Chromium(VI)
PBBs	denotes Total Polybrominated Biphenyls
PBDEs	denotes Total Polybrominated Diphenyl Ethers
N.D.	denotes Not Detected
MDL	denotes Method Detection Limit
N.A.	denotes Not Applicable
^	The total Chromium have been determined

Remark:

1. Component(s)/ materials(s) with an area of less than 2mm x 2mm will not be selected for testing according to RoHS Directive 2011/65/EU due to technical reason.
2. For the test sample does not have detail materials information provided by client, visually identical materials (e.g. wire insulation, solder points, etc.) will be considered as the same material.
3. Solder points on a printing circuit board will be examined several times based on optical anomalies or discoloration of the solder point(s) unless the solder point(s) is obviously generated automatically during production.
4. All other materials will be sampled and tested at one test point representatively.

(*1) The total chromium content in Metal sample was found to be exceeded the maximum permissible limit (1000mg/kg). Thus, the Chromium (VI) content in surface layer have been confirmed with reference to IEC 62321-7-1: 2015 Annex.

	Chromium (VI) concentration	Qualitative result
Negative	$<0.1\mu\text{g}/\text{cm}^2$	The sample is negative for Cr(VI). –The Cr(VI) concentration is below the limit of quantification. The coating is considered a non Cr(VI) based coating.
Inconclusive	$\geq 0.1\mu\text{g}/\text{cm}^2$ and $\leq 0.13\mu\text{g}/\text{cm}^2$	The result is considered to be inconclusive. –Unavoidable coating variations may influence the determination. Recommendation: if additional samples are available, perform a total of 3 trials to increase sampling surface area. Use the averaged result of the 3 trails for the final determination.
Positive	$>0.13\mu\text{g}/\text{cm}^2$	The sample is positive for Cr(VI). –The Cr(VI) concentration is above the limit of quantification and the statistical margin of error. The sample coating is considered to contain Cr(VI).

(*2) The total chromium content in plastic sample or electronic sample was found to be exceeded the maximum permissible limit (1000mg/kg). Thus, the Chromium (VI) content have been confirmed with reference to IEC 62321: 2008 Annex C.

(*3) The total chromium content in leather sample was found to be exceeded the maximum permissible limit (1000mg/kg). Thus, the Chromium (VI) content have been confirmed with reference to ISO 17075: 2007.

(^3) The method detection limit for each individual PBBs and individual PBDEs are:

Method Detection Limit in ppm (mg/kg)		
PBBs	Monbromobiphenyl	5
	Dibromobiphenyl	5
	Tribromobiphenyl	5
	Tetrabromobiphenyl	5
	Pentabromobiphenyl	5
	Hexabromobiphenyl	5
	Heptabromobiphenyl	5
	Octabromobiphenyl	5
	Nonabromobiphenyl	5
	Decabromobiphenyl	5
PBDEs	Monbromodiphenyl ether	5
	Dibromodiphenyl ether	5
	Tribromodiphenyl ether	5
	Tetrabromodiphenyl ether	5
	Pentabromodiphenyl ether	5
	Hexabromodiphenyl ether	5
	Heptabromodiphenyl ether	5
	Octabromodiphenyl ether	5
	Nonabromodiphenyl ether	5
	Decabromodiphenyl ether	5

6(c) Copper alloy containing up to 4 % lead by weight.

3. BBP, DBP, DEHP, DIBP content

Test method: Organic solvent extraction, analyzed by GCMS (Ref. to DIN EN 62321-8: 2014 (IEC 111/321/CD: 2013))

Test result:

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

Test No.	Material No.	(mg/kg)			
		BBP	DBP	DEHP	DIBP
		RL (mg/kg)			
		50	50	50	50
T001	1+4+6	n.d.	n.d.	n.d.	n.d.
T002	7+8+12	n.d.	n.d.	n.d.	n.d.
T003	9	44	n.d.	78	n.d.
T004	11	n.d.	n.d.	n.d.	n.d.
T005	13+28	n.d.	n.d.	n.d.	n.d.
T006	14+15	n.d.	n.d.	n.d.	n.d.
T007	16+17	n.d.	n.d.	n.d.	n.d.
T008	18+19	n.d.	n.d.	n.d.	n.d.
T009	20+21	n.d.	n.d.	n.d.	n.d.
T010	22+23	n.d.	n.d.	n.d.	n.d.
T011	25	n.d.	n.d.	n.d.	n.d.
T012	27	n.d.	n.d.	n.d.	n.d.
T013	31+34	n.d.	n.d.	n.d.	n.d.
T014	33	n.d.	n.d.	n.d.	n.d.
T015	35+37+39	n.d.	n.d.	n.d.	n.d.
T016	40+41+42	n.d.	n.d.	n.d.	n.d.
T017	43+44	n.d.	n.d.	n.d.	n.d.
T018	47+50	n.d.	n.d.	n.d.	n.d.
T019	48	n.d.	n.d.	99	n.d.
T020	62+63+64	n.d.	n.d.	n.d.	n.d.
T021	65+66	346	n.d.	n.d.	n.d.
T022	68+73+76	n.d.	n.d.	n.d.	n.d.
T023	70+71	69	n.d.	n.d.	n.d.
T024	77+78	n.d.	n.d.	n.d.	n.d.
T025	79+80	n.d.	n.d.	n.d.	n.d.
T026	81+82+83	n.d.	n.d.	n.d.	n.d.
T027	84+85+86	n.d.	n.d.	n.d.	n.d.
T028	87+88	n.d.	n.d.	n.d.	n.d.
T029	90+93	n.d.	n.d.	n.d.	n.d.
T030	95+96	139	n.d.	n.d.	n.d.

Test No.	Material No.	(mg/kg)			
		BBP	DBP	DEHP	DIBP
		RL (mg/kg)			
		50	50	50	50
T031	98+99+101	n.d.	n.d.	n.d.	n.d.
T032	102+103+105	n.d.	n.d.	n.d.	n.d.
T033	106+108+109	n.d.	n.d.	n.d.	n.d.
T034	111+112+114	n.d.	n.d.	n.d.	n.d.
T035	115+117+118	n.d.	n.d.	n.d.	n.d.
T036	119+120	n.d.	n.d.	n.d.	n.d.
T037	121+123	n.d.	n.d.	n.d.	n.d.
T038	126+127+128	n.d.	n.d.	n.d.	n.d.
T039	129+130+131	n.d.	n.d.	n.d.	n.d.
T040	132+133+134	n.d.	n.d.	n.d.	n.d.
T041	135+138+139	n.d.	n.d.	n.d.	n.d.
T042	140+141+142	n.d.	n.d.	n.d.	n.d.
T043	143+145+147	n.d.	n.d.	n.d.	n.d.
T044	148+149+150	n.d.	n.d.	n.d.	n.d.
T045	151+156	n.d.	n.d.	n.d.	n.d.

Abbreviation: BBP= Benzylbutyl phthalate
 DBP= Dibutyl phthalate
 DEHP= Bis(2-ethylhexyl) phthalate
 DIBP= Diisobutyl phthalate
 n.d.= Not Detected (< Reporting Limit)
 RL = Reporting Limit
 N.A. = Not Applicable
 mg/kg= milligram per kilogram

Remark:

Zhejiang Uniview Technologies Co., Ltd. declared that:
The following models and test model IPC324LR3-VSPF28 are the same serials, all components were made by the same raw material but different in shapes and sizes. Zhejiang Uniview Technologies Co., Ltd. will be responsible for this statement.

IPC324LR3-VSPF40

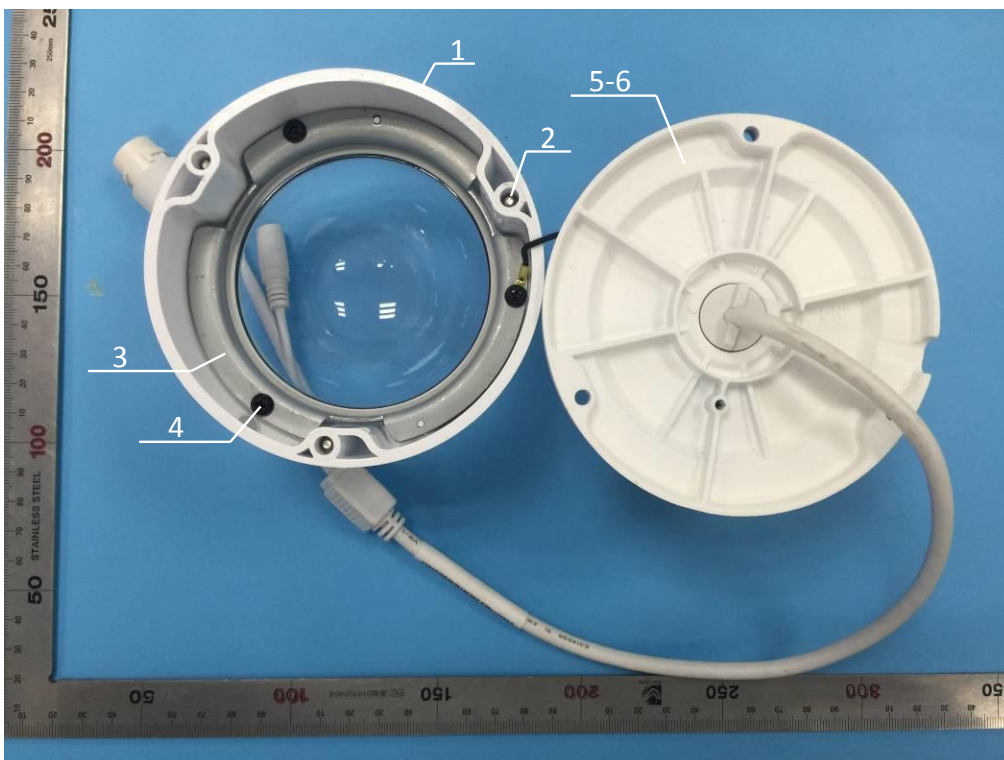
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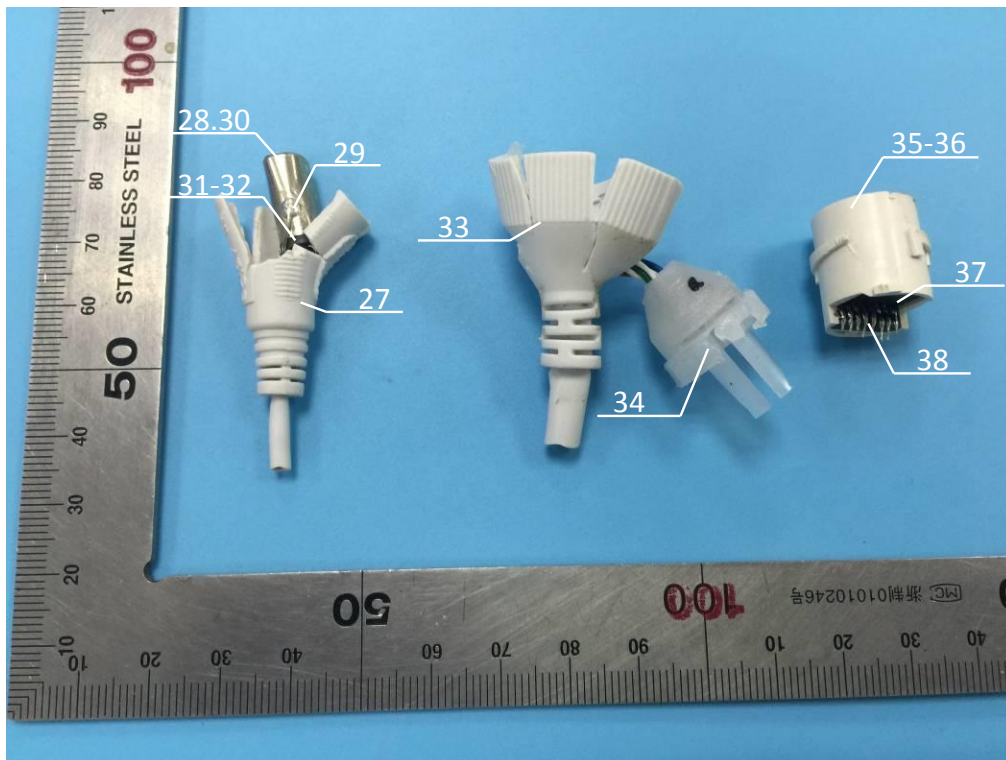
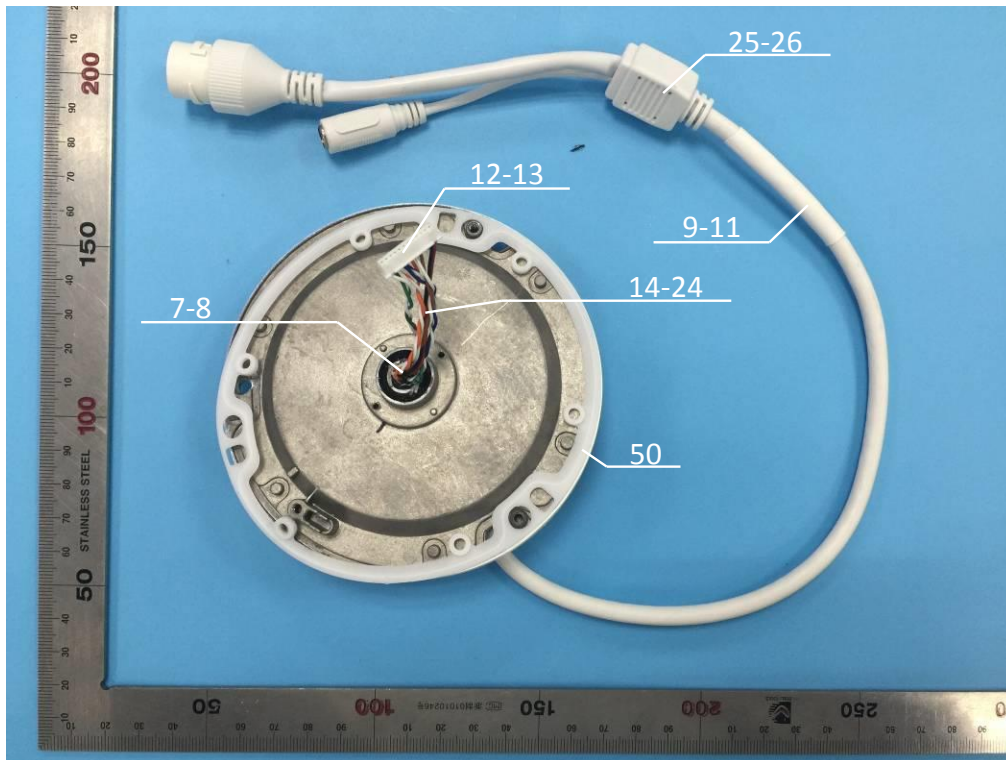
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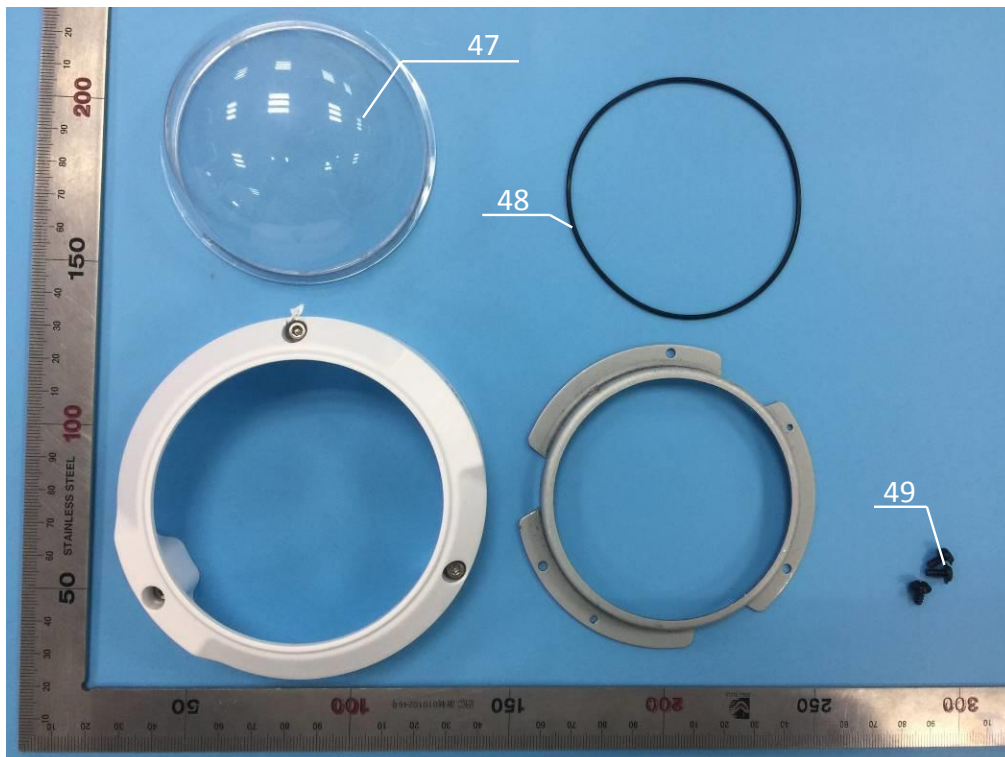
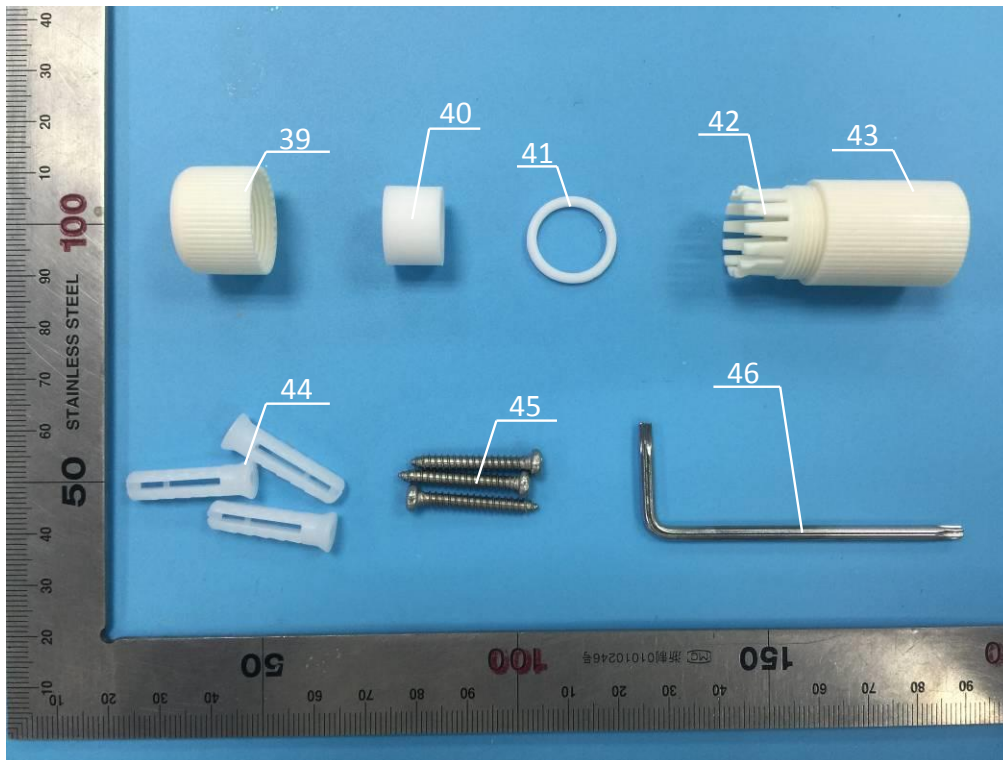
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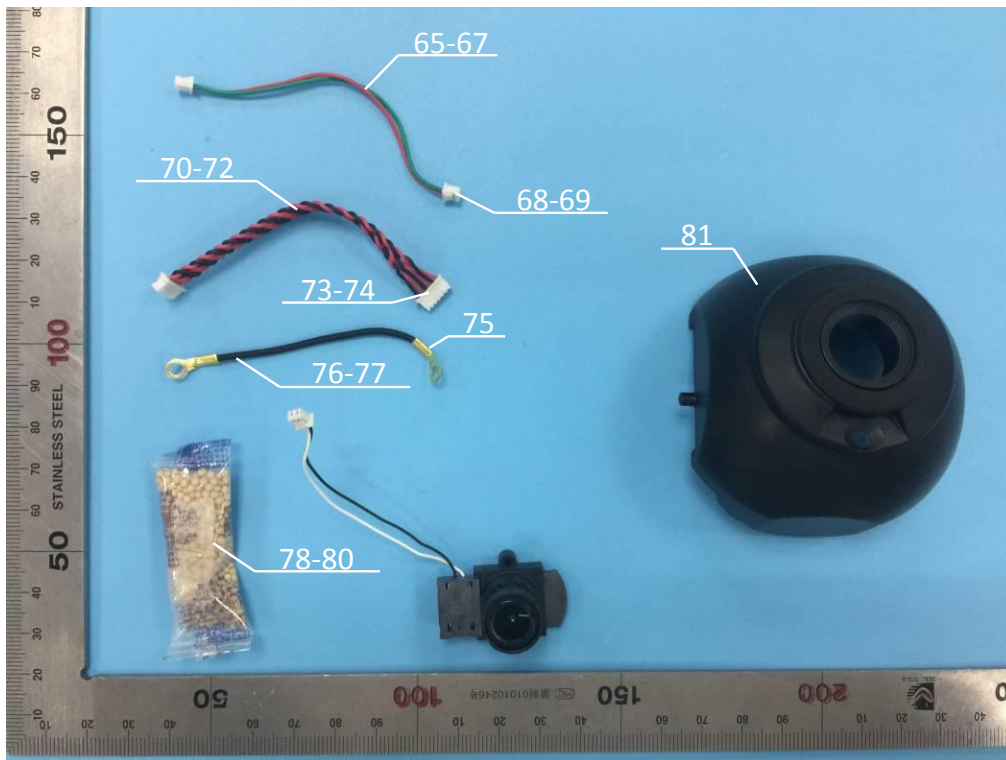
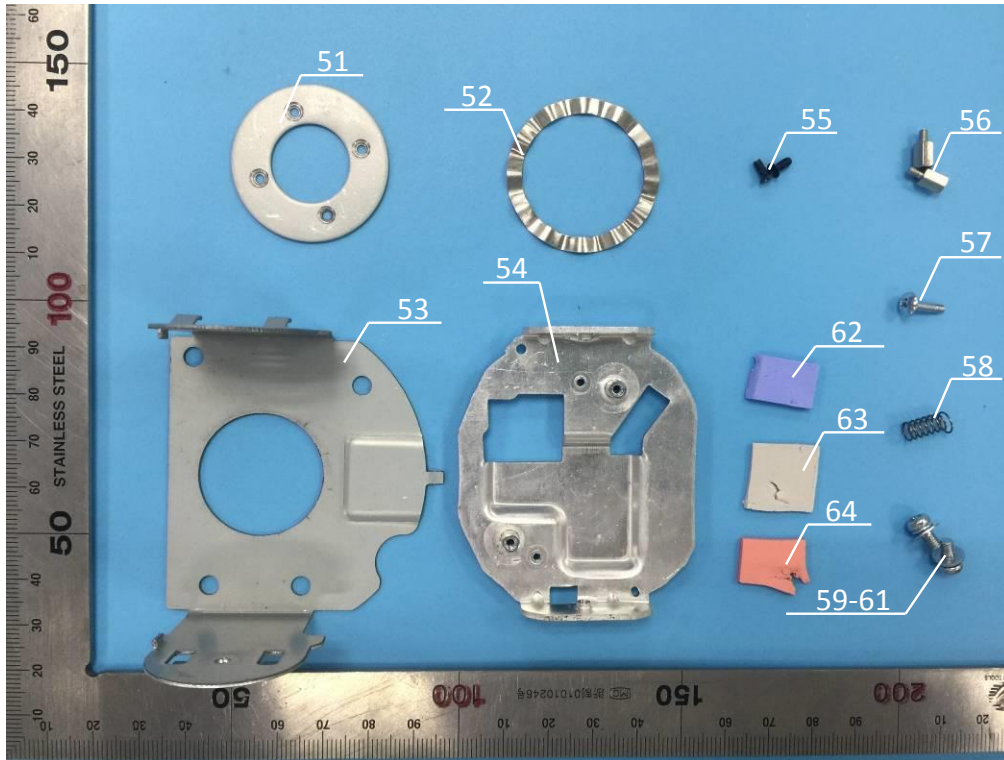
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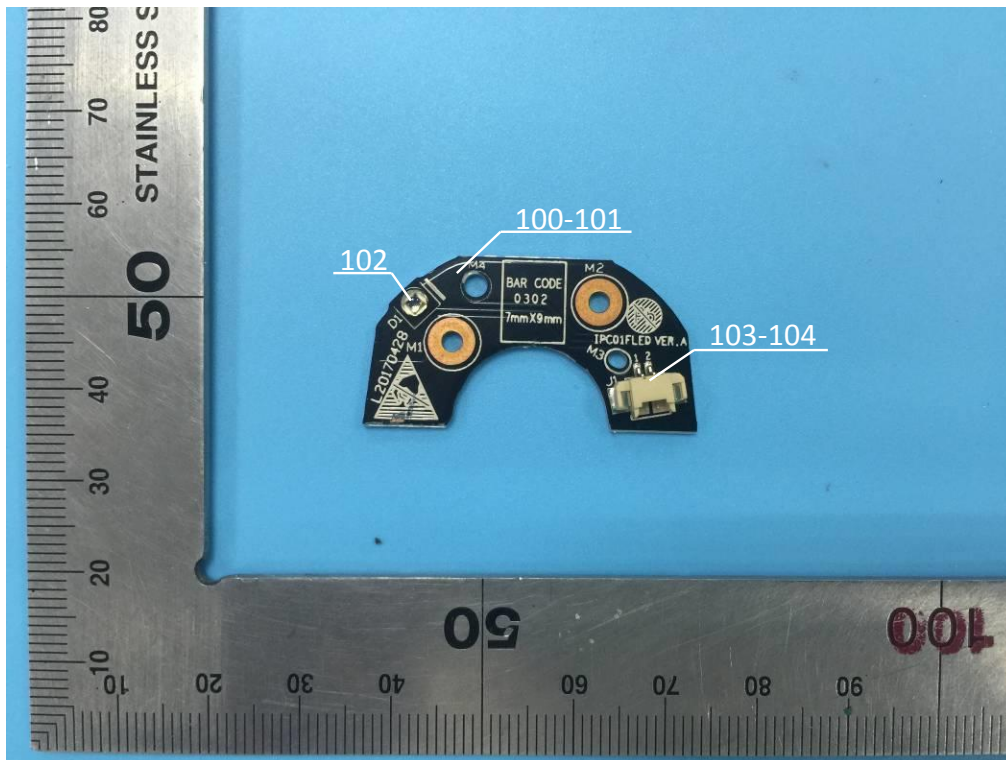
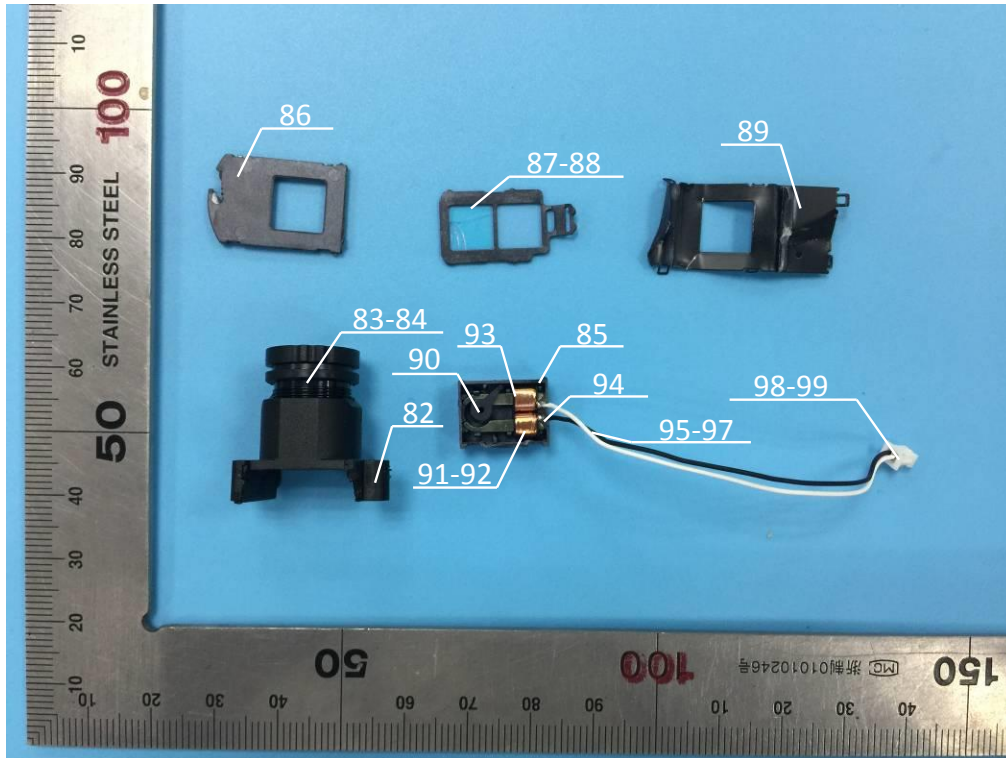
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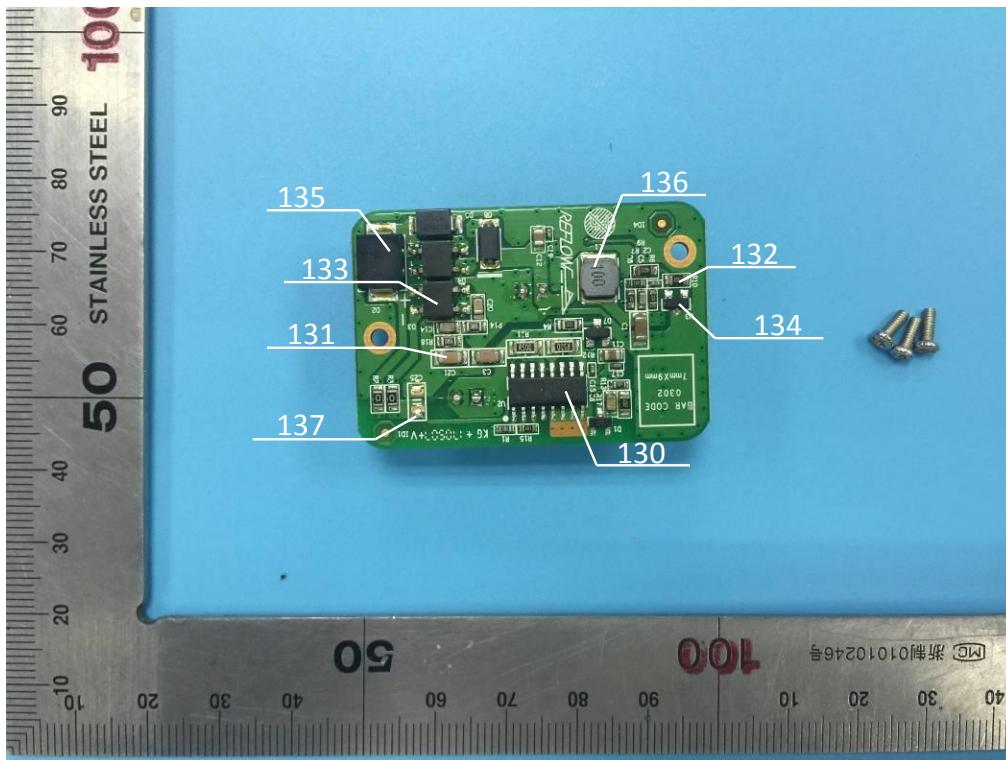
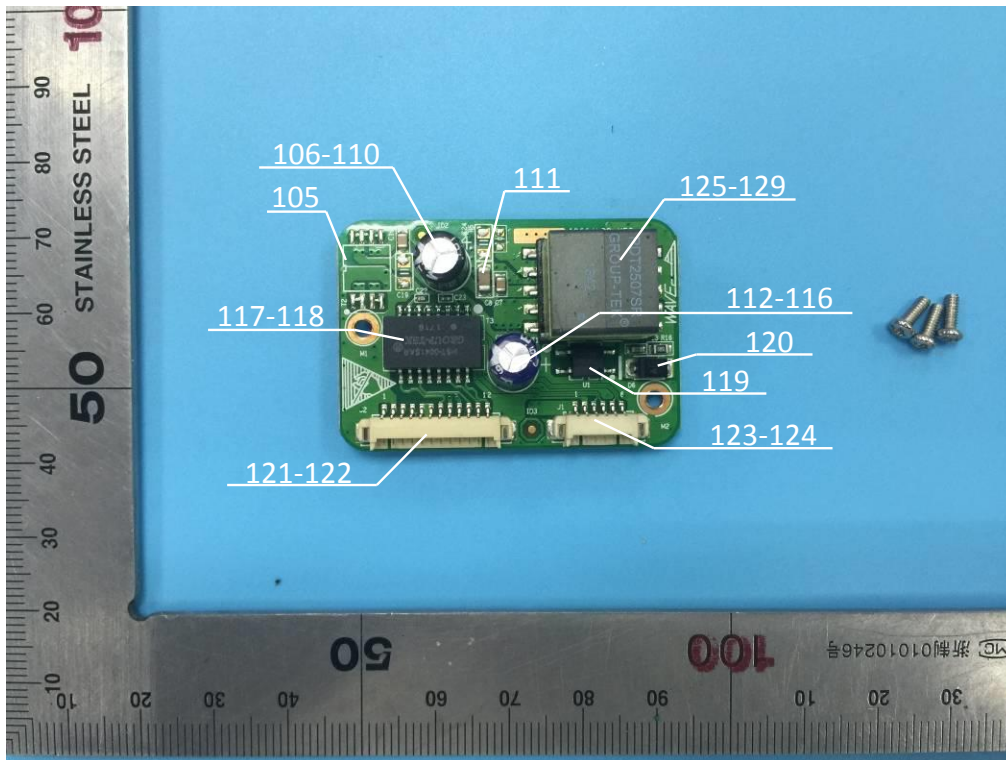


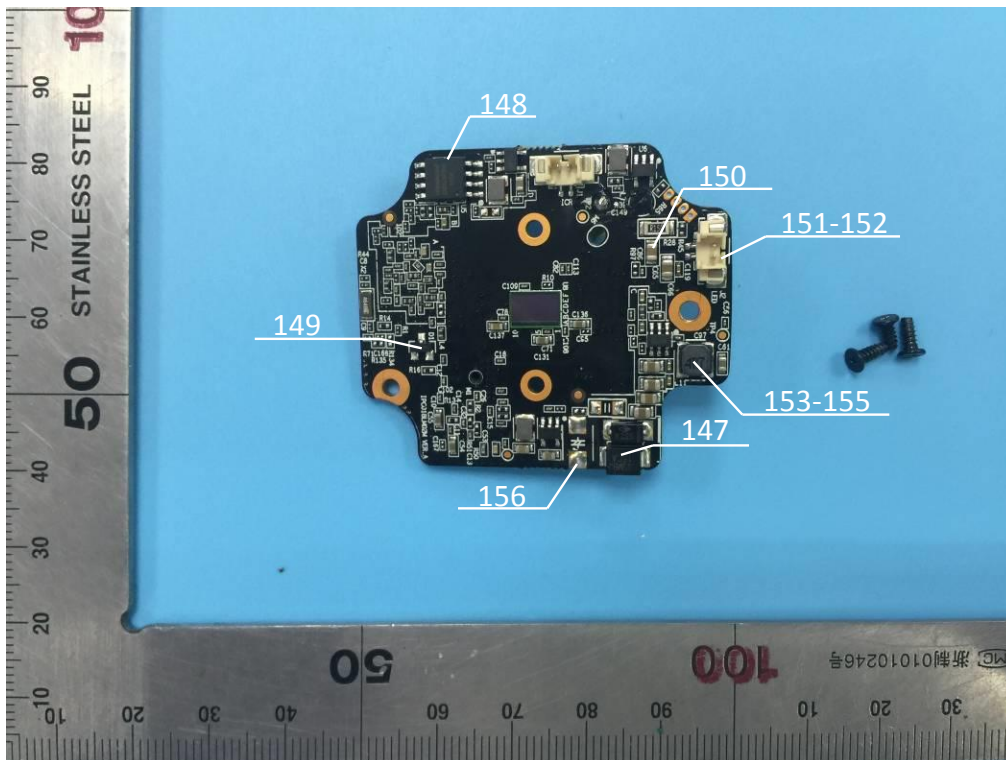
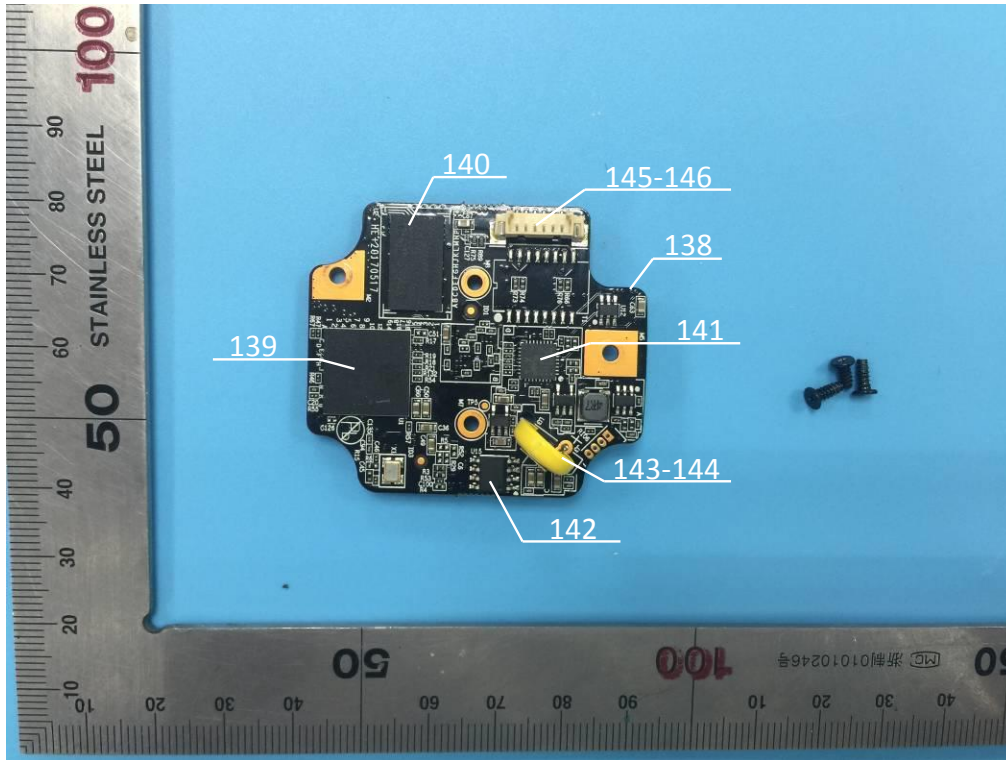












******End of Report******