

Test Report No.:

**1160039204a 001**

Page 1 of 21

**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):**

IPC2124LR3-PF40

**Reference Style No(s).**

IPC2124LR3-PF60, IPC2122LR3-PF60-C

IPC2122LR3-PF40-C, IPC2124LRa-xxxxxxx-yyyzzzz,  
IPC2122LRa-xxxxxxx-yyyzzzz

**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.*

Test Report No.:

**1160039204a 001**

Page 2 of 21

**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(main body-white plastic shell)	n.d.	n.d.	n.d.	n.d.	n.d.
2(white plastic base)	n.d.	n.d.	n.d.	n.d.	n.d.
3(pedestal-grey hard plastic head)	n.d.	n.d.	n.d.	n.d.	n.d.
4(white coating)	n.d.	n.d.	n.d.	n.d.	n.d.
5(white plastic button)	n.d.	n.d.	n.d.	n.d.	n.d.
6(silver-grey metal)	n.d.	d(^1)	n.d.	n.d.	N.A.
7(metal)(silver buckle)	n.d.	d(^1)	n.d.	n.d.	N.A.
8(white plastic thread)	n.d.	n.d.	n.d.	n.d.	n.d.
9(creamy white plastic ring)	n.d.	n.d.	n.d.	n.d.	n.d.
10(black rubber)	n.d.	n.d.	n.d.	n.d.	n.d.
11(white soft plastic ring)	n.d.	n.d.	n.d.	n.d.	n.d.
12(white wire jacket)	n.d.	n.d.	n.d.	n.d.	n.d.
13(red wire jacket)	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(brown wire jacket)	n.d.	n.d.	n.d.	n.d.	n.d.
16(blue 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(white-blue wire jacket)	n.d.	n.d.	n.d.	n.d.	n.d.
20(white-green wire jacket)	n.d.	n.d.	n.d.	n.d.	n.d.
21(white-brown 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(small white heat-shrinkable tubing)	n.d.	n.d.	n.d.	n.d.	n.d.
24(copper wire)	n.d.	n.d.	n.d.	n.d.	N.A.
25(big white heat-shrinkable tubing)	n.d.	n.d.	n.d.	n.d.	n.d.
26(silver paper)	n.d.	n.d.	n.d.	n.d.	N.A.
27(white cotton yarn)	n.d.	n.d.	n.d.	n.d.	n.d.
28(white plastic bushing)	n.d.	n.d.	n.d.	n.d.	n.d.
29(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
30(metal)(silver plug)	n.d.	n.d.	n.d.	n.d.	N.A.
31(small socket-white plastic shell)	n.d.	n.d.	n.d.	n.d.	n.d.
32(metal)(outer silver ring)	n.d.	d(^1)	n.d.	n.d.	N.A.
33(internal silver metal)	n.d.	d(^1)	n.d.	n.d.	N.A.
34(metal)(silver pin)	n.d.	d(^1)	n.d.	n.d.	N.A.
35(soldering tin)	n.d.	d(^1)	n.d.	n.d.	N.A.
36(black plastic)	n.d.	n.d.	n.d.	n.d.	d(^1)
37(LAN socket-white plastic shell)	n.d.	n.d.	n.d.	n.d.	n.d.
38(white rubber)	n.d.	n.d.	n.d.	n.d.	n.d.
39(pin)	n.d.	n.d.	n.d.	n.d.	N.A.
40(soldering tin)	n.d.	d(^1)	n.d.	n.d.	N.A.
41(creamy white plastic shell)	n.d.	n.d.	n.d.	n.d.	d(^1)
42(internal black plastic)	n.d.	n.d.	n.d.	n.d.	n.d.
43(metal)(gold pin)	n.d.	n.d.	n.d.	n.d.	N.A.
44(desiccant)	n.d.	n.d.	n.d.	n.d.	n.d.
45(transparent plastic outer packing)	n.d.	n.d.	n.d.	n.d.	n.d.
46(double faced adhesive tape)	n.d.	n.d.	n.d.	n.d.	n.d.
47(bushing-creamy white plastic shell)	n.d.	n.d.	n.d.	n.d.	n.d.
48(cremy white soft plastic)	n.d.	n.d.	n.d.	n.d.	n.d.
49(creamy plastic cover)	n.d.	n.d.	n.d.	n.d.	n.d.
50(white rubber seal ring)	n.d.	n.d.	n.d.	n.d.	n.d.
51(white rubber set)	n.d.	n.d.	n.d.	n.d.	n.d.
52(white rubber fixer foot)	n.d.	n.d.	n.d.	n.d.	n.d.
53(metal)(screw)	n.d.	n.d.	d(^2)	n.d.	N.A.
54(metal)(silver-grey head)	n.d.	n.d.	n.d.	n.d.	N.A.
55(black coating)	n.d.	n.d.	n.d.	n.d.	n.d.
56(transparent glass)	n.d.	n.d.	n.d.	n.d.	n.d.
57(transparent film)	n.d.	n.d.	n.d.	n.d.	n.d.
58(white rubber gasket)	n.d.	n.d.	n.d.	n.d.	n.d.
59(black sponge)	n.d.	n.d.	n.d.	n.d.	n.d.
60(pink silicone)	n.d.	n.d.	n.d.	n.d.	n.d.
61(metal)(screw)	n.d.	n.d.	d(^2)	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
62(metal)(screw)	n.d.	n.d.	d(^2)	n.d.	N.A.
63(metal)(screw)	n.d.	n.d.	d(^2)	n.d.	N.A.
64(oval glass)	n.d.	n.d.	n.d.	n.d.	n.d.
65(silver-grey PCB board)	n.d.	n.d.	n.d.	n.d.	n.d.
66(black coating)	n.d.	n.d.	n.d.	n.d.	n.d.
67(LED light)	n.d.	n.d.	n.d.	n.d.	n.d.
68(pin)	n.d.	n.d.	n.d.	n.d.	N.A.
69(white plastic pedestal)	n.d.	n.d.	n.d.	n.d.	n.d.
70(pin)	n.d.	n.d.	n.d.	n.d.	N.A.
71(PCB board soldering tin)	n.d.	d(^1)	n.d.	n.d.	N.A.
72(green PCB board)	n.d.	n.d.	n.d.	n.d.	n.d.
73(small creamy white plastic pedestal)	n.d.	n.d.	n.d.	n.d.	d(^1)
74(big beige plastic pedestal)	n.d.	n.d.	n.d.	n.d.	d(^1)
75(diode)	n.d.	n.d.	n.d.	n.d.	n.d.
76(resistance)	n.d.	n.d.	n.d.	n.d.	N.A.
77(SMD capacitance)	n.d.	n.d.	n.d.	n.d.	n.d.
78(small IC module)	n.d.	n.d.	n.d.	n.d.	n.d.
79(big IC module shell)	n.d.	n.d.	n.d.	n.d.	n.d.
80(inner core)	n.d.	n.d.	n.d.	n.d.	n.d.
81(black electrolytic capacitor plastic shell)	n.d.	n.d.	n.d.	n.d.	n.d.
82(silver electrolytic capacitor aluminum shell)	n.d.	n.d.	n.d.	n.d.	n.d.
83(electrolytic capacitor core)	n.d.	n.d.	n.d.	n.d.	n.d.
84(electrolytic capacitor gasket)	n.d.	n.d.	n.d.	n.d.	n.d.
85(pin)	n.d.	n.d.	n.d.	n.d.	N.A.
86(blue electrolytic capacitor plastic shell)	n.d.	n.d.	n.d.	n.d.	n.d.
87(electrolytic capacitor core)	n.d.	n.d.	n.d.	n.d.	n.d.
88(electrolytic capacitor gasket)	n.d.	n.d.	n.d.	n.d.	n.d.
89(silver electrolytic capacitor aluminum shell)	n.d.	n.d.	n.d.	n.d.	N.A.
90(pin)	n.d.	n.d.	n.d.	n.d.	N.A.
91(transformer-yellow tape)	n.d.	n.d.	n.d.	n.d.	n.d.
92(grey plastic)	n.d.	n.d.	n.d.	n.d.	n.d.
93(black plastic)	n.d.	n.d.	n.d.	n.d.	n.d.
94(enamelled wire)	n.d.	n.d.	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
95(cylindrical black plastic)	n.d.	n.d.	n.d.	n.d.	n.d.
96(pin)	n.d.	n.d.	n.d.	n.d.	N.A.
97(reverse side-diode)	n.d.	n.d.	n.d.	n.d.	n.d.
98(chip)	n.d.	n.d.	n.d.	n.d.	n.d.
99(SMD capacitance)	n.d.	n.d.	n.d.	n.d.	n.d.
100(inductance magnet)	n.d.	n.d.	n.d.	n.d.	N.A.
101(inductive enameled wire)	n.d.	n.d.	n.d.	n.d.	N.A.
102(induction center column)	n.d.	n.d.	n.d.	n.d.	N.A.
103(black plastic pedestal)	n.d.	n.d.	n.d.	n.d.	n.d.
104(IC module)	n.d.	n.d.	n.d.	n.d.	n.d.
105(PCB board soldering tin)	n.d.	d(^1)	n.d.	n.d.	N.A.
106(black wire jacket)	n.d.	n.d.	n.d.	n.d.	n.d.
107(red wire jacket)	n.d.	n.d.	n.d.	n.d.	n.d.
108(copper wire)	n.d.	n.d.	n.d.	n.d.	N.A.
109(white plastic socket)	n.d.	n.d.	n.d.	n.d.	n.d.
110(silver plastic plug)	n.d.	n.d.	n.d.	n.d.	N.A.
111(black wire jacket)	n.d.	n.d.	n.d.	n.d.	n.d.
112(pin wire jacket)	n.d.	n.d.	n.d.	n.d.	n.d.
113(copper wire)	n.d.	n.d.	n.d.	n.d.	N.A.
114(white plastic socket)	n.d.	n.d.	n.d.	n.d.	n.d.
115(silver metal plug)	n.d.	n.d.	n.d.	n.d.	N.A.
116(big silver metal)	n.d.	d(^1)	n.d.	n.d.	N.A.
117(metal)(black screw)	n.d.	n.d.	d(^2)	n.d.	N.A.
118(metal)(screw)	n.d.	n.d.	d(^2)	n.d.	N.A.
119(white silica gel)	n.d.	n.d.	n.d.	n.d.	n.d.
120(blue silica gel)	n.d.	n.d.	n.d.	n.d.	n.d.
121(pink silica gel)	n.d.	n.d.	n.d.	n.d.	n.d.
122(lens-grey plastic box)	n.d.	n.d.	n.d.	n.d.	n.d.
123(wire sheet)	n.d.	n.d.	n.d.	n.d.	N.A.
124(black plastic needle)	n.d.	n.d.	n.d.	n.d.	d(^1)
125(enameled wire)	n.d.	n.d.	n.d.	n.d.	N.A.
126(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
127(black plastic sheet)	n.d.	n.d.	n.d.	n.d.	n.d.
128(black wire jacket)	n.d.	n.d.	n.d.	n.d.	n.d.
129(white wire jacket)	n.d.	n.d.	n.d.	n.d.	n.d.
130(copper wire)	n.d.	n.d.	n.d.	n.d.	N.A.
131(white plastic socket)	n.d.	n.d.	n.d.	n.d.	n.d.
132(silver metal plug)	n.d.	n.d.	n.d.	n.d.	N.A.
133(lens black plastic)	n.d.	n.d.	n.d.	n.d.	n.d.
134(black metal plate)	n.d.	n.d.	n.d.	n.d.	N.A.
135(square glass)	n.d.	n.d.	n.d.	n.d.	n.d.
136(small circular glass)	n.d.	n.d.	n.d.	n.d.	n.d.
137(big circular glass)	n.d.	n.d.	n.d.	n.d.	n.d.
138(metal)(black screw)	n.d.	n.d.	d(^2)	n.d.	N.A.
139(green PCB board)	n.d.	n.d.	n.d.	n.d.	d(^1)
140(black coating)	n.d.	n.d.	n.d.	n.d.	n.d.
141(square chip)	n.d.	n.d.	n.d.	n.d.	n.d.
142(rectangular chip)	n.d.	n.d.	n.d.	n.d.	n.d.
143(white SMD capacitance)	n.d.	n.d.	n.d.	n.d.	n.d.
144(rectangular chip)	n.d.	n.d.	n.d.	n.d.	n.d.
145(square chip)	n.d.	n.d.	n.d.	n.d.	n.d.
146(battery yellow tape)	n.d.	n.d.	n.d.	n.d.	n.d.
147(conducting strip)	n.d.	n.d.	n.d.	n.d.	N.A.
148(inductance magnet)	n.d.	n.d.	n.d.	n.d.	N.A.
149(inductive enameled wire)	n.d.	n.d.	n.d.	n.d.	N.A.
150(beige plastic pedestal)	n.d.	n.d.	n.d.	n.d.	d(^1)
151(pin)	n.d.	n.d.	n.d.	n.d.	N.A.
152(reverse side-diode)	n.d.	n.d.	n.d.	n.d.	n.d.
153(pin)	n.d.	n.d.	n.d.	n.d.	N.A.
154(SMD capacitance)	n.d.	n.d.	n.d.	n.d.	n.d.
155(inductance magnet)	n.d.	n.d.	n.d.	n.d.	N.A.
156(inductive enameled wire)	n.d.	n.d.	n.d.	n.d.	N.A.
157(beige plastic pedestal)	n.d.	n.d.	n.d.	n.d.	d(^1)
158(pin)	n.d.	n.d.	n.d.	n.d.	N.A.
159(big IC module)	n.d.	n.d.	n.d.	n.d.	n.d.
160(resistance)	n.d.	n.d.	n.d.	n.d.	n.d.
161(center glass cover)	n.d.	n.d.	n.d.	n.d.	n.d.
162(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
<b>Metallic material</b>	P≤ 50 < X ≤150 < F	P≤ 630 < X	P≤ 690 < X≤1360 < F	P≤ 520 < X≤1560 < F	NA
<b>Polymeric material</b>	P≤ 50 < X ≤150 < F	P≤ 630 < X	P≤ 690 < X≤1360 < F	P≤ 520 < X≤1560 < F	P≤ 300 < X
<b>Electronic material</b>	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: 2017-08-28 ~ 2017-09-08

### Material list:

Material No.	Material	Color	Test Plan
			A=Test HM only B=Test FR only C=Test HM+FR
6	metal	silver-grey	A
7	metal	silver	A
32	metal	silver	A
33	metal	silver	A
34	metal	silver	A
35	metal	silver	A
36	plastic	black	B
40	metal	silver	A
41	plastic	creamy white	B
71	metal	beige	A
73	plastic	creamy white	B
74	plastic	beige	B
105	metal	silver	A
116	metal	silver	A
124	plastic	black	B
126	metal	silver	A
139	PCB board	green	B
150	plastic	beige	B
157	plastic	beige	B
162	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 <sup>VI</sup>	Hg	PBBs	PBDEs
	MDL (mg/kg)					
	2	2	2	2	--(^3)	--(^3)
6	N.A.	154	N.A.	N.A.	N.A.	N.A.
7	N.A.	19	N.A.	N.A.	N.A.	N.A.
32	N.A.	68	N.A.	N.A.	N.A.	N.A.
33	N.A.	58	N.A.	N.A.	N.A.	N.A.
34	N.A.	28930 <sup>[6(c)]</sup>	N.A.	N.A.	N.A.	N.A.
35	N.A.	153	N.A.	N.A.	N.A.	N.A.
36	N.A.	N.A.	N.A.	N.A.	N.D.	N.D.
40	N.A.	568	N.A.	N.A.	N.A.	N.A.
41	N.A.	N.A.	N.A.	N.A.	N.D.	N.D.
71	N.A.	299	N.A.	N.A.	N.A.	N.A.
73	N.A.	N.A.	N.A.	N.A.	N.D.	N.D.
74	N.A.	N.A.	N.A.	N.A.	N.D.	N.D.
105	N.A.	73	N.A.	N.A.	N.A.	N.A.
116	N.A.	N.D.	N.A.	N.A.	N.A.	N.A.
124	N.A.	N.A.	N.A.	N.A.	N.D.	N.D.
126	N.A.	143	N.A.	N.A.	N.A.	N.A.
139	N.A.	N.A.	N.A.	N.A.	N.D.	N.D.
150	N.A.	N.A.	N.A.	N.A.	N.D.	N.D.
157	N.A.	N.A.	N.A.	N.A.	N.D.	N.D.
162	76	N.A.	N.A.	N.A.	N.A.	N.A.

Material no.	Hexavalent Chromium Content ( $\mu\text{g}/\text{cm}^2$ ) <sup>(*)</sup>
	RL: 0.10 $\mu\text{g}/\text{cm}^2$
53	Negative
61	Negative
62	Negative
63	Negative
117	Negative
118	Negative
138	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:**

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

<b>Test No.</b>	<b>Material No.</b>	<b>(mg/kg)</b>			
		<b>BBP</b>	<b>DBP</b>	<b>DEHP</b>	<b>DIBP</b>
		<b>RL (mg/kg)</b>			
		<b>50</b>	<b>50</b>	<b>50</b>	<b>50</b>
T001	1+2+3	n.d.	n.d.	n.d.	n.d.
T002	4+5+8	n.d.	n.d.	n.d.	n.d.
T003	9+27+29	n.d.	n.d.	n.d.	n.d.
T004	10	n.d.	n.d.	n.d.	n.d.
T005	11	n.d.	n.d.	n.d.	n.d.
T006	12	n.d.	n.d.	42	n.d.
T007	13+14	n.d.	n.d.	n.d.	n.d.
T008	15+16	n.d.	n.d.	n.d.	n.d.
T009	17+18	n.d.	n.d.	n.d.	n.d.
T010	19+20	n.d.	n.d.	n.d.	n.d.
T011	21+22	n.d.	n.d.	n.d.	n.d.
T012	23	n.d.	n.d.	n.d.	n.d.
T013	25	n.d.	n.d.	n.d.	n.d.
T014	28	n.d.	n.d.	n.d.	n.d.
T015	31	n.d.	n.d.	n.d.	n.d.
T016	36+38	n.d.	n.d.	n.d.	n.d.
T017	37	n.d.	n.d.	n.d.	n.d.
T018	41+42+44	n.d.	n.d.	n.d.	n.d.
T019	45+46+47	n.d.	n.d.	n.d.	n.d.
T020	48+49	n.d.	n.d.	n.d.	n.d.
T021	50+51+58	n.d.	n.d.	n.d.	n.d.
T022	52+55	n.d.	n.d.	n.d.	n.d.
T023	56+57+60	n.d.	n.d.	n.d.	n.d.
T024	59	n.d.	n.d.	n.d.	n.d.
T025	64+65+66	n.d.	n.d.	n.d.	n.d.
T026	67+69	n.d.	n.d.	n.d.	n.d.
T027	72+73	n.d.	n.d.	n.d.	n.d.
T028	74+75+77	n.d.	n.d.	n.d.	n.d.
T029	78+79+80	n.d.	n.d.	110	n.d.
T030	81+82+83	n.d.	n.d.	n.d.	n.d.

Test No.	Material No.	(mg/kg)			
		BBP	DBP	DEHP	DIBP
		RL (mg/kg)			
		50	50	50	50
T031	84+86	n.d.	n.d.	n.d.	n.d.
T032	87+88+91	n.d.	n.d.	n.d.	n.d.
T033	92+93+95	n.d.	n.d.	n.d.	n.d.
T034	97+98+99	n.d.	n.d.	n.d.	n.d.
T035	103+104+109	n.d.	n.d.	n.d.	n.d.
T036	106+107	n.d.	170	n.d.	n.d.
T037	111+112	n.d.	n.d.	n.d.	n.d.
T038	114+119+120	n.d.	n.d.	n.d.	n.d.
T039	121+122+124	n.d.	n.d.	n.d.	n.d.
T040	127+131+133	n.d.	n.d.	n.d.	n.d.
T041	128+129	105	n.d.	n.d.	n.d.
T042	135+136+137	n.d.	n.d.	n.d.	n.d.
T043	139+140+141	n.d.	n.d.	n.d.	n.d.
T044	142+143+144	n.d.	n.d.	n.d.	n.d.
T045	145+146+150	n.d.	n.d.	n.d.	n.d.
T046	152+154	n.d.	n.d.	n.d.	n.d.
T047	157+159+160	n.d.	n.d.	n.d.	n.d.
T048	161+162	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

Test Report No.:

**1160039204a 001**

Page 15 of 21

**Remark:**

Zhejiang Uniview Technologies Co., Ltd. declared that:  
The following models and test model IPC2124LR3-PF40 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.

IPC2124LR3-PF60

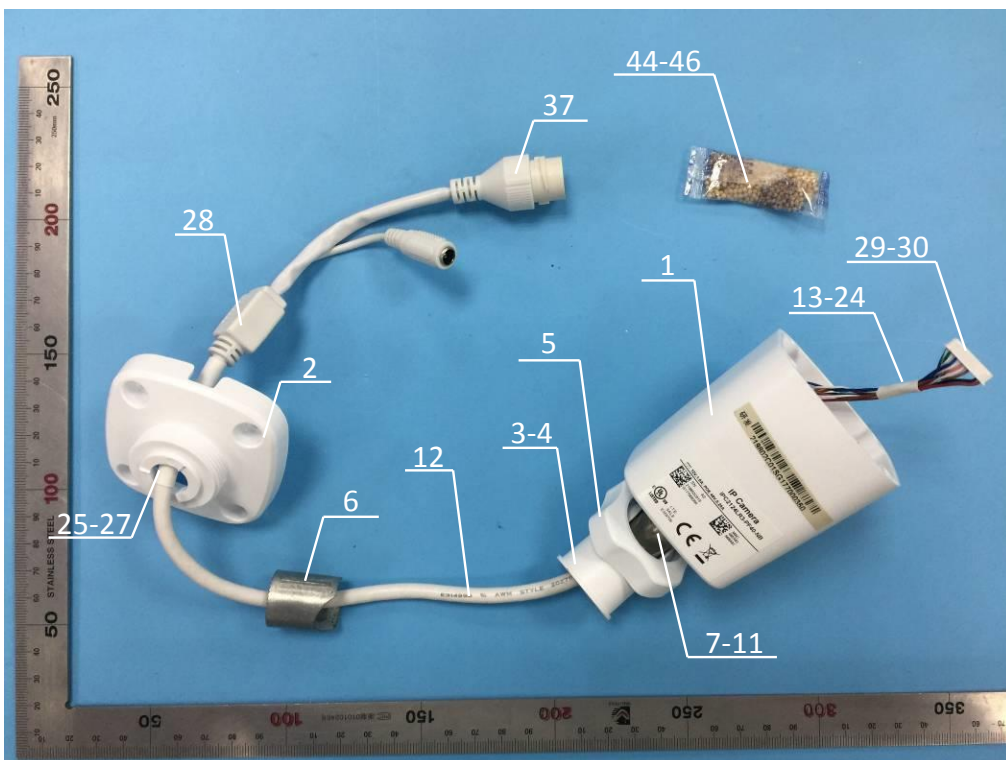
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IPC2122LR3-PF40-C

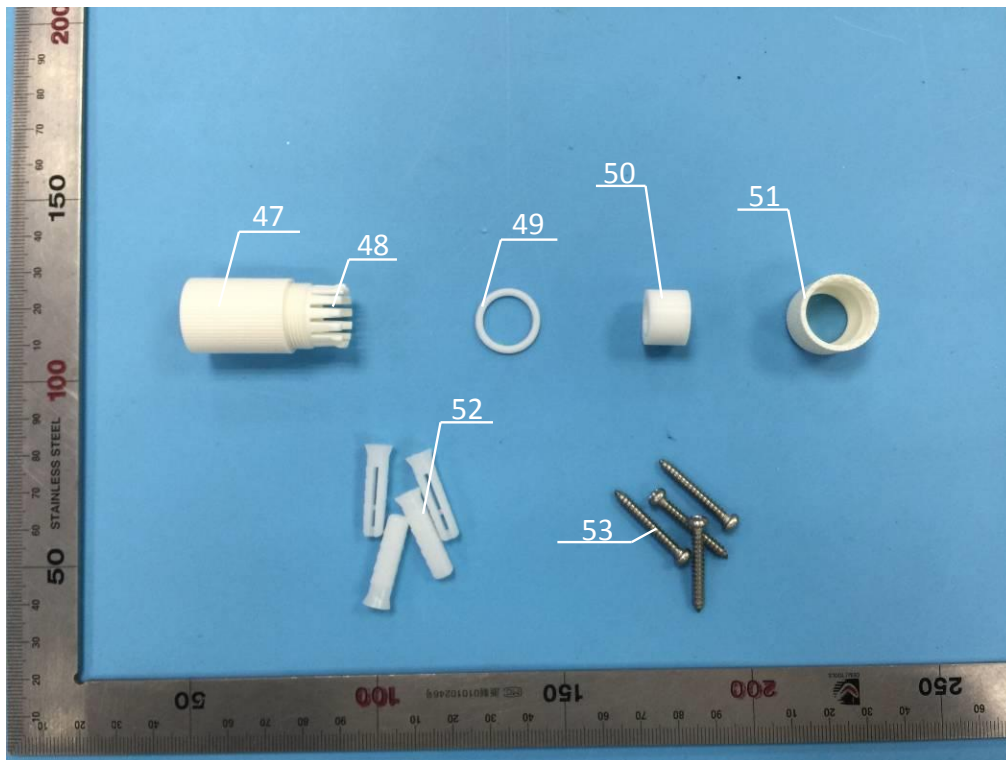
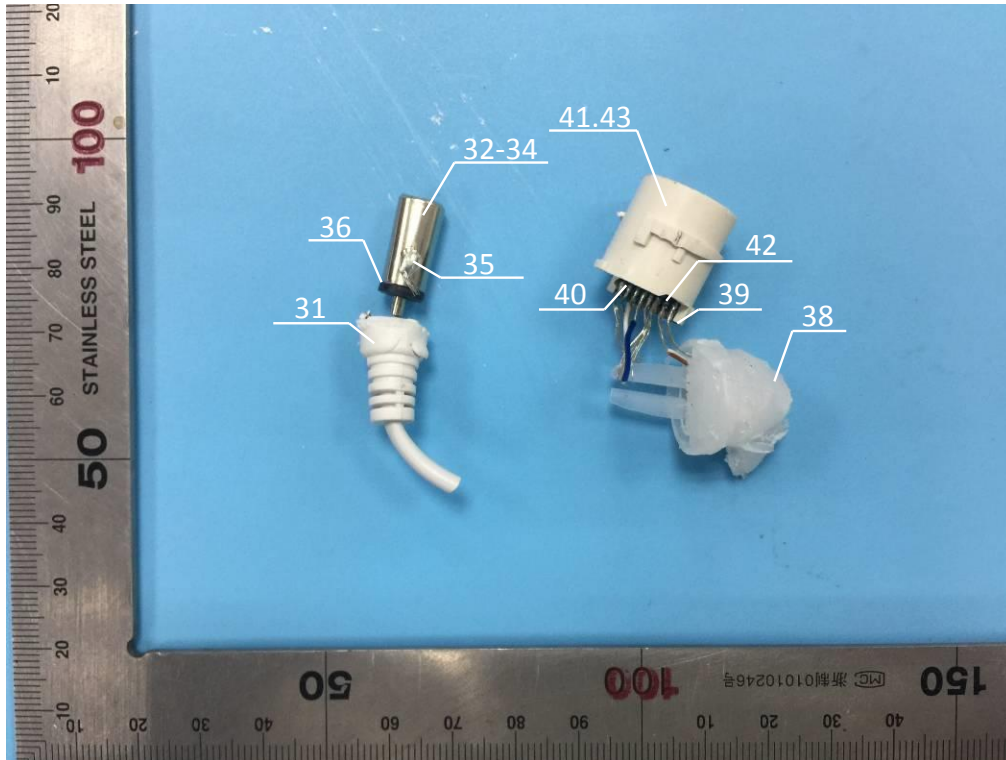
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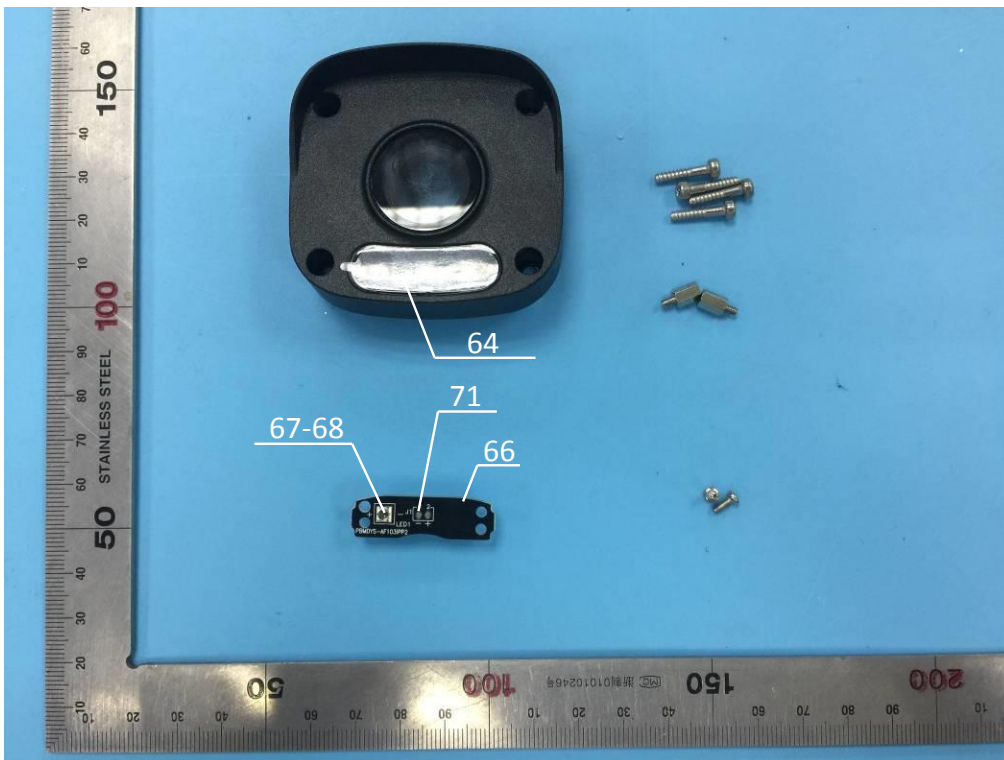
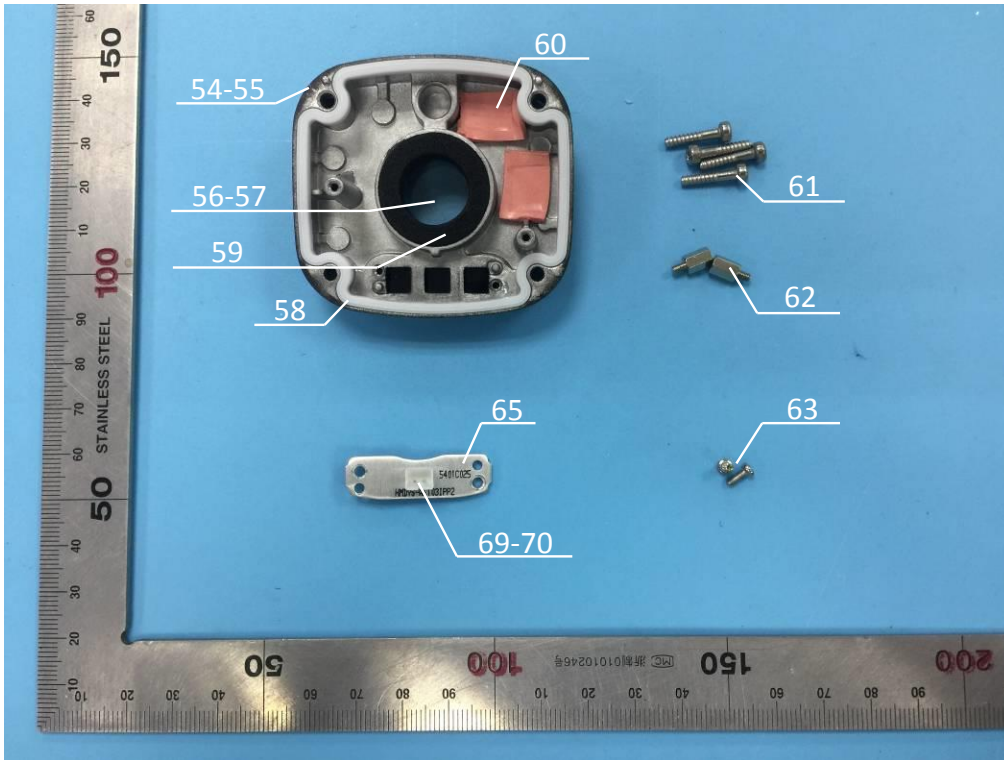
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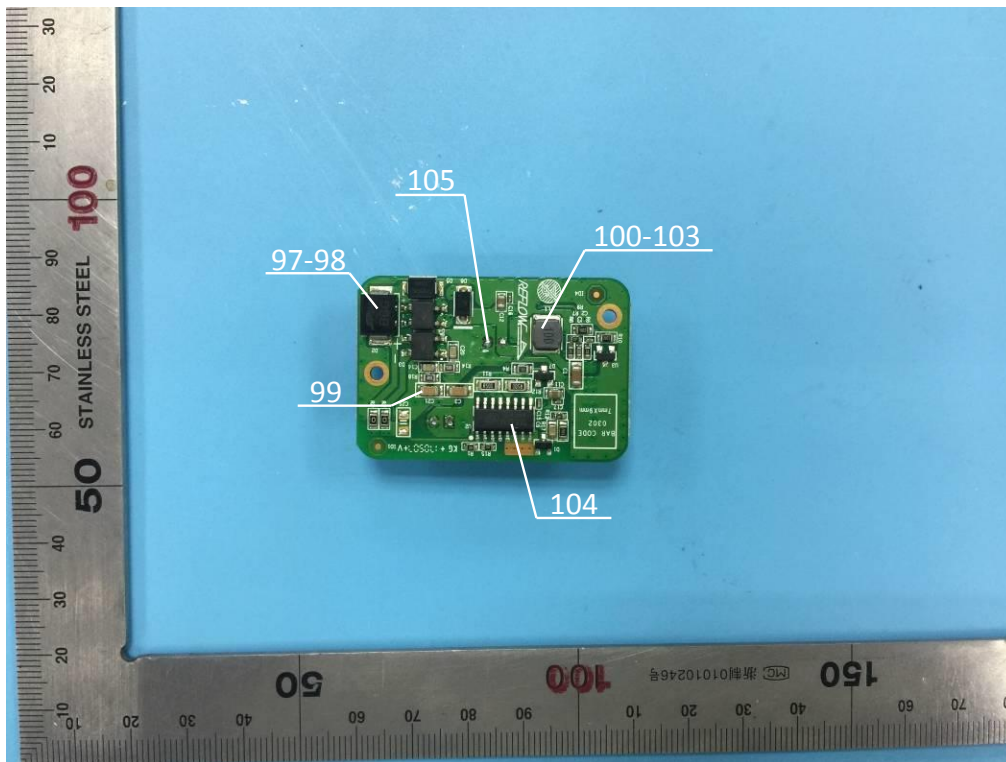
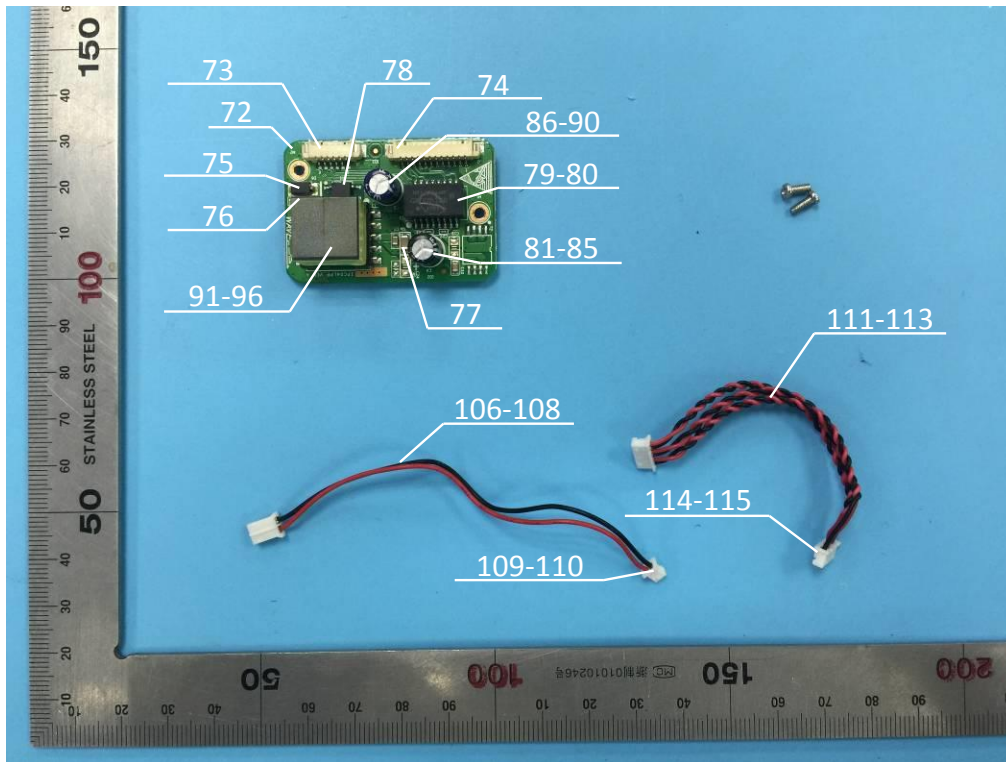
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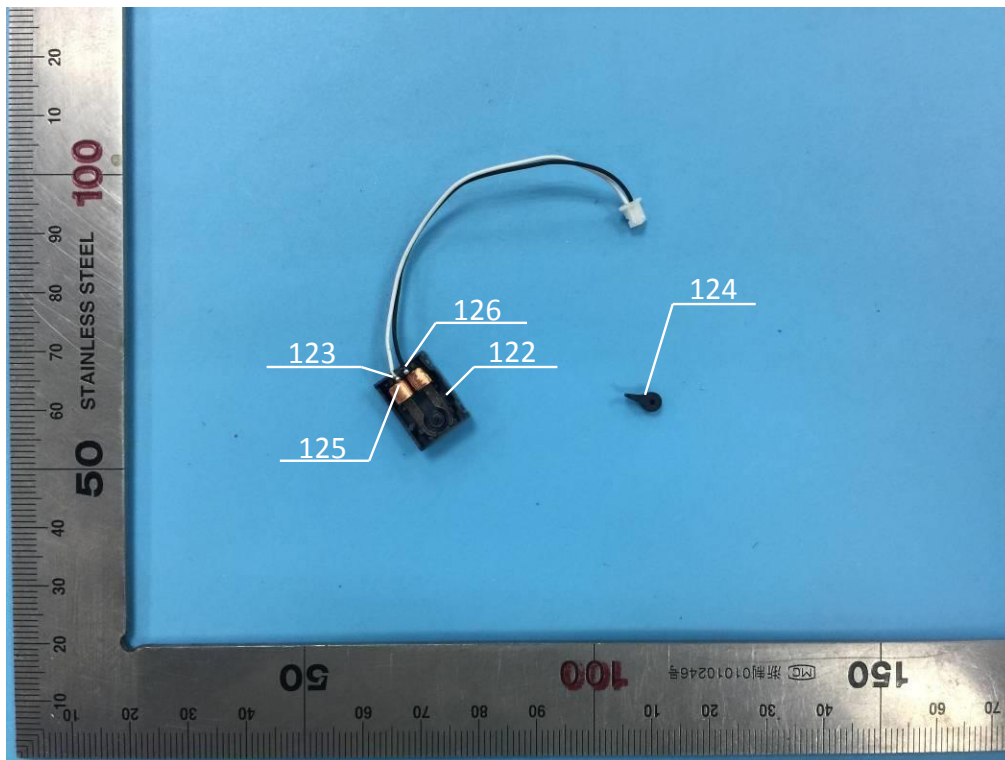
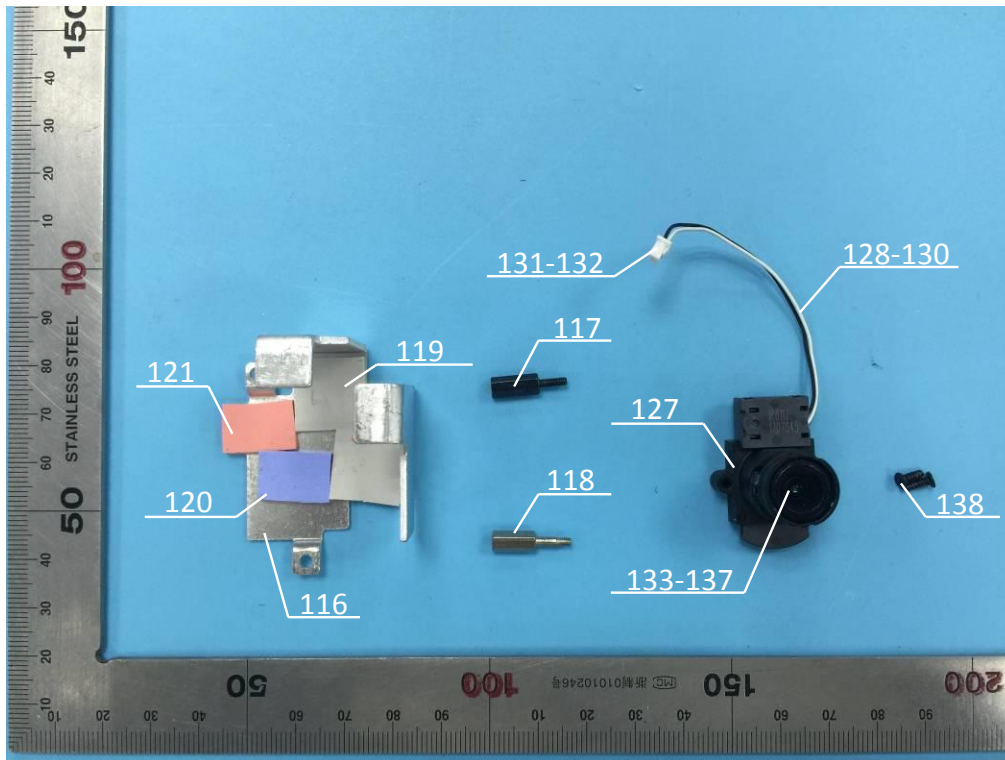


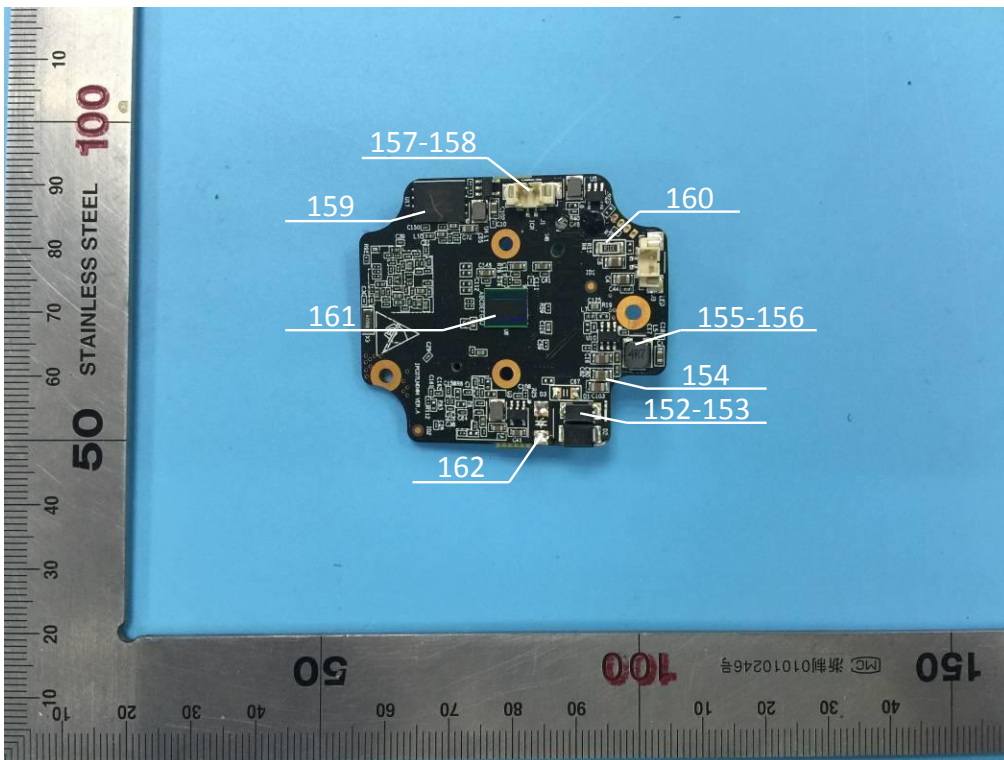
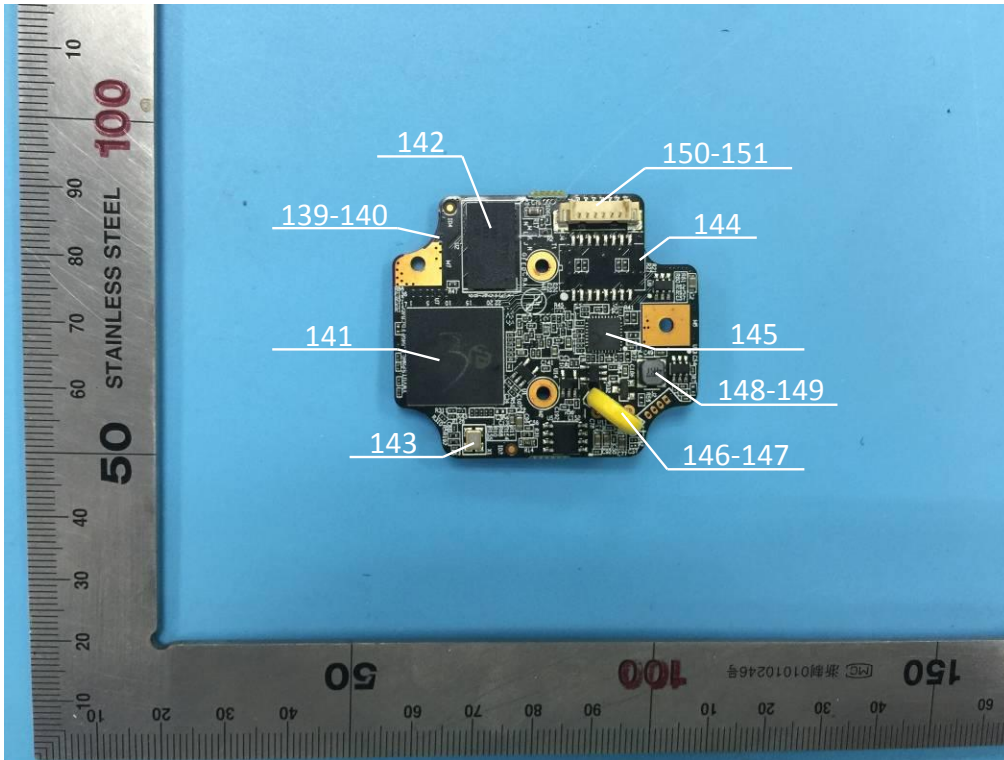












**\*\*\*\*End of Report\*\*\*\***