TEST REPORT

Applicant:	Shenzhen Huafurui Technology Co., Ltd.
Address:	Unit 601-03, 6/F, Block A, Building 1, Ganfeng Technology Building, No. 993 Jiaxian Road, Xiangjiaotang Community, Bantian Street, Longgang District, Shenzhen, P.R. China

The following sample(s) was/were submitted and identified on behalf of the client as:

Sample name:	Smartphone
Model:	KINGKONG Dura
Trade mark:	CUBOT
Manufacturer:	Shenzhen Huafurui Technology Co., Ltd.
Address:	Unit 601-03, 6/F, Block A, Building 1, Ganfeng Technology Building, No. 993 Jiaxian Road, Xiangjiaotang Community, Bantian Street, Longgang District, Shenzhen, P.R. China
Sample No.:	S2605200204-2#
Sample Received Date:	2026-05-22
Testing Period:	2026-05-22~ 2026-07-02

Test Requirement:	**Conclusion**
As specified by client, to determine the Lead(Pb), Cadmium(Cd), Mercury(Hg), Hexavalent Chromium (Cr(VI)), Polybrominated Biphenyls(PBBs), Polybrominated Diphenyl Ethers(PBDEs), Bis-(2-ethylhexyl) Phthalate (DEHP), Benzyl butyl Phthalate (BBP), Dibutyl Phthalate (DBP) and Diisobutyl Phthalate(DIBP)contents in the submitted sample(s) in accordance with RoHS Directive (EU) 2015/863 amending Annex II to Directive 2011/65/EU.	Pass

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

Test Method: Please refer to the following page(s);

Compiled by: _____ Reviewed by: _____

Approved by: _____ Date: 2026-07-14

Sample Description:

Sample No.	Sample ID	Part name	Sample description
1	001	Shell	Black soft plastic sleeve
2	002		Black plastic shell
3	003		Silver black coating of lens cap
4	004		Plastic base material of lens cap
5	005		Black foam glue of lens cap
6	006		Blue glass with black border of lens cap
7	007		Transparent plastic sheet with black edge of lens cap
8	008		Transparent plastic block of lens cap
9	009		Black metal mesh
10	010		White colloid
11	011		Golden metal rod
12	012		Golden metal nut
13	013		Silver gray metal plate
14	014		Black adhesive tape
15	015		Silver gray foam glue
16	016		Black plastic border
17	017		Silver metal sheet
18	018		Pink colloid
19	019		Silver-gray metal sheet of keystroke
20	020		Silver gray metal key of keystroke
21	021		Black FPC of keystroke
22	022		Black rubber pad of keystroke
23	023		Silver metal shrapnel of keystroke
24	024		Black adhesive tape of keystroke
25	025		Silver metal sheet of keystroke
26	026		Transparent double-sided adhesive of keystroke
27	027		Black plastic cover
28	028		Silver metal screw
29	029		Black metal screw
30	030		Black metal of screw (big head)
31	032		Black metal of screw (small head)
32	033		Black rubber pad
33	034	Screen	Black LCD screen
34	035		Gray plastic sheet
35	036		White FPC of gray plastic sheet

Sample No.	Sample ID	Part name	Sample description
36	038	Screen	gray translucent plastic sheet
37	039		White plastic sheet
38	040		Silver reflective plastic sheet
39	041		Transparent plastic plate
40	042		Silver metal plate
41	043		Black adhesive tape of silver metal plate
42	044		Gray plastic frame of silver metal plate
43	045	Antenna	Golden metal contact pin
44	046		Black wire jacket
45	047		Silver metal mesh
46	048		Transparent wire jacket
47	049		Core of wire
48	050	Vibrating motor	Silver metal shell
49	051		Magnet
50	052		Green PCB
51	053		Golden metal ring
52	054		White plastic sheet
53	055		Coil
54	056		Silver metal block
55	057		Red-blue wire jacket
56	058		Core of wire
57	059	Camera 1	Silver metal shell
58	060		Magnet
59	061		Black plastic shell
60	062		Clear plastic lens
61	063		Coil
62	064		Photosensitive component
63	065		Yellow FPC
64	067		Blue colloid
65	068	Camera 2	Black plastic shell
66	069		Clear plastic lens
67	070		Photosensitive component
68	071		Yellow FPC
69	073		Black foam glue
70	074	Speaker	Black plastic frame
71	075		Black/white plastic sheet

Sample No.	Sample ID	Part name	Sample description
72	076	Speaker	Coil
73	077		Tin solder
74	078		Magnet
75	079		Silver metal sheet
76	080		Red black wire jacket
77	081		Core of wire
78	082	Telephone receiver	Black plastic
79	083		Magnet
80	084		Silver metal sheet
81	085		Silver plastic sheet
82	086		Coil
83	087		Red black wire jacket
84	088		Core of wire
85	089	FPC	Silver gray adhesive tape
86	090		Yellow adhesive tape
87	091		Yellow black FPC
88	093		Gray plastic of interface
89	094		Golden metal of interface
90	095		Silver metal of interface
91	096		Gray metal spring of interface
92	097		Silver metal sheet
93	098		Black rubber sleeve
94	099		SMD MIC
95	100	Aluminum plate	White aluminum substrate
96	102		Yellow colloid
97	103		Blue colloid
98	104		Silver gray foam glue
99	105	Mainboard PCB	Black PCB
100	107		Silver metal shell of card slot
101	108		Black adhesive tape of card slot
102	109		Gray plastic of card slot
103	110		Metal contact pin of card slot
104	111		Black rubber sleeve
105	112		Blue colloid
106	113		Black foam glue
107	114		Golden metal of golden interface

Sample No.	Sample ID	Part name	Sample description
108	115	Mainboard PCB	Black plastic of golden interface
109	116		Gray plastic of gray interface
110	117		Metal pin of gray interface
111	118		Silver metal block
112	119		Black adhesive tape
113	120		Silver metal cover
114	121		copper foil tape
115	122		Golden coating of dust cover
116	123		Metal base material of dust cover
117	124		SMD crystal
118	125		SMD inductance
119	126		Electronic component
120	127		SMD chip
121	128		SMD resistor
122	129		Tin solder
123	130	Charging PCB	Black PCB
124	132		Black plastic with glue of black interface
125	133		Metal pin of black interface
126	134		Silver metal cover
127	135		Gray plastic of gray interface
128	136		Silver metal of gray interface
129	137		Metal pin of gray interface
130	138		Silver metal contact pin
131	139		Tin solder
132	140	Data line	White encapsulation of type-c interface
133	141		Transparent colloid of type-c interface
134	142		Silver metal shell of type-c interface
135	143		White plastic of type-c interface
136	144		Metal pin of type-c interface
137	145		Blue PCB of type-c interface
138	147		Tin solder of type-c interface
139	148		White exterior wire jacket
140	149		Red wire jacket
141	150		Green wire jacket
142	151		Yellow wire jacket
143	152		White wire jacket

Sample No.	Sample ID	Part name	Sample description
144	153	Data line	Gray wire jacket
145	154		Core of wire
146	155	Adapter 1	White plastic shell of shell
147	156		Silver metal plug pin of shell
148	157		Green PCB of PCB
149	159		Black body of resistor
150	160		Metal pin of resistor
151	161		Green plastic jacket of electrolytic capacitor 1
152	162		Aluminum shell of electrolytic capacitor 1
153	163		Cathode foil of electrolytic capacitor 1
154	164		Anode foil of electrolytic capacitor 1
155	165		Electrolytic paper of electrolytic capacitor 1
156	166		Electrode pin of electrolytic capacitor 1
157	167		Rubber pad of electrolytic capacitor 1
158	168		Black casing tube of inductor
159	169		Magnet core of inductor
160	170		Coil of inductor
161	171		Blue body of capacitor
162	172		Metal pin of capacitor
163	173		Silver metal contact pin
164	174		Brown plastic shell of fuse
165	175		Black plastic of fuse
166	176		Silver metal of fuse
167	177		Yellow adhesive tape of transformer
168	178		Black plastic sketch of transformer
169	179		Coil of transformer
170	180		Varnished wire of transformer
171	181		Magnet core of transformer
172	182		Rubber pad of electrolytic capacitor 2
173	183		Silver metal shell of type-c interface
174	184		Black plastic of type-c interface
175	185		Metal pin of type-c interface
176	186		Black plastic jacket of electrolytic capacitor 2
177	187		Rubber pad of electrolytic capacitor 2
178	188		White colloid
179	189		Black plastic plate

Sample No.	Sample ID	Part name	Sample description
180	190	Adapter 1	Insert green PCB
181	192		SMD chip
182	193		SMD rectifier bridge
183	194		SMD diode
184	195		SMD resistor
185	196		Tin solder
186	197	Adapter 2	White plastic shell of shell
187	198		Silver metal plug pin of shell
188	199		Green PCB of PCB
189	201		Aluminum shell of electrolytic capacitor 1
190	202		Cathode foil of electrolytic capacitor 1
191	203		Anode foil of electrolytic capacitor 1
192	204		Electrolytic paper of electrolytic capacitor 1
193	205		Electrode pin of electrolytic capacitor 1
194	206		Rubber pad of electrolytic capacitor 1
195	207		Yellow adhesive tape of transformer
196	208		Black plastic sketch of transformer
197	209		Coil of transformer
198	210		Varnished wire of transformer
199	211		Magnet core of transformer
200	212		Silver metal contact pin
201	213		Blue body of capacitor
202	214		Metal pin of capacitor
203	215		Black plastic jacket of electrolytic capacitor 2
204	216		Rubber pad of electrolytic capacitor 2
205	217		Brown plastic shell of fuse
206	218		Black plastic of fuse
207	219		Silver metal of fuse
208	220		Black casing tube of inductor
209	221		Magnet core of inductor
210	222		Coil of inductor
211	223		Black casing tube of resistor
212	224		Black body of resistor
213	225		Metal pin of resistor
214	226		Rubber pad of electrolytic capacitor 3
215	227		White colloid

Sample No.	Sample ID	Part name	Sample description
216	228	Adapter 2	Black plastic sheet
217	229		Silver metal shell of type-c interface
218	230		Black plastic of type-c interface
219	231		Metal pin of type-c interface
220	232		Insert green PCB
221	234		SMD chip
222	235		SMD rectifier bridge
223	236		SMD diode
224	237		SMD resistor
225	238		Tin solder
226	239	Adapter 3	Black plastic shell of shell
227	240		Black metal screw(large) of shell
228	241		Black metal screw(small) of shell
229	242		Black rubber with glue of shell
230	243		Black rubber pad of shell
231	244		White rubber of shell
232	245		Black PCB of PCB
233	247		Silver metal shell of type-c interface
234	248		Black plastic with glue of type-c interface
235	249		Metal pin of type-c interface
236	250		Golden metal shell of pins
237	251		Silver metal spring of pins
238	252		Magnet core of inductor
239	253		Coil of inductor
240	254		SMD chip
241	265		Black adhesive tape of shell
242	266	Shell	Black metal of screw (hexagonal)

Test Result(s):

Lead(Pb), Cadmium(Cd), Mercury(Hg), Hexavalent Chromium (Cr(VI)), Polybrominated Biphenyls (PBBs), Polybrominated Diphenyl Ethers(PBDEs)

1. XRF Screening Result

Sample ID	XRF Screening Result (mg/kg)					Conclusion
	Pb	Cd	Hg	Cr	Br	
001	BL	BL	BL	BL	BL	Pass
002	BL	BL	BL	BL	BL	Pass
003	BL	BL	BL	BL	BL	Pass
004	BL	BL	BL	BL	BL	Pass
005	BL	BL	BL	BL	BL	Pass
006	BL	BL	BL	BL	BL	Pass
007	BL	BL	BL	BL	BL	Pass
008	BL	BL	BL	BL	BL	Pass
009	BL	BL	BL	IN	/	IN
010	BL	BL	BL	BL	BL	Pass
011	OL	IN	BL	BL	/	IN
012	OL	OL	BL	BL	/	IN
013	BL	BL	BL	IN	/	IN
014	BL	BL	BL	BL	BL	Pass
015	BL	BL	BL	BL	BL	Pass
016	BL	BL	BL	BL	BL	Pass
017	BL	BL	BL	BL	/	Pass
018	BL	BL	BL	BL	BL	Pass
019	BL	BL	BL	BL	/	Pass
020	BL	BL	BL	BL	/	Pass
021	BL	BL	BL	BL	BL	Pass
022	BL	BL	BL	BL	BL	Pass
023	BL	BL	BL	IN	/	IN
024	BL	BL	BL	BL	BL	Pass
025	BL	BL	BL	IN	/	IN
026	BL	BL	BL	BL	BL	Pass
027	BL	BL	BL	BL	BL	Pass
028	BL	BL	BL	BL	/	Pass
029	BL	BL	BL	IN	/	IN
030	BL	BL	BL	BL	/	Pass
032	BL	BL	BL	IN	/	IN
033	BL	BL	BL	BL	BL	Pass
034	BL	BL	BL	BL	BL	Pass

Sample ID	XRF Screening Result (mg/kg)					Conclusion
	Pb	Cd	Hg	Cr	Br	
035	BL	BL	BL	BL	BL	Pass
036	BL	BL	BL	BL	BL	Pass
038	BL	BL	BL	BL	BL	Pass
039	BL	BL	BL	BL	BL	Pass
040	BL	BL	BL	BL	BL	Pass
041	BL	BL	BL	BL	BL	Pass
042	BL	BL	BL	IN	/	IN
043	BL	BL	BL	BL	BL	Pass
044	BL	BL	BL	BL	BL	Pass
045	BL	BL	BL	BL	/	Pass
046	BL	BL	BL	BL	BL	Pass
047	BL	BL	BL	BL	/	Pass
048	BL	BL	BL	BL	BL	Pass
049	BL	BL	BL	BL	/	Pass
050	BL	BL	BL	BL	/	Pass
051	BL	BL	BL	BL	/	Pass
052	BL	BL	BL	BL	BL	Pass
053	BL	BL	BL	BL	/	Pass
054	BL	BL	BL	BL	BL	Pass
055	BL	BL	BL	BL	/	Pass
056	BL	BL	BL	BL	/	Pass
057	BL	BL	BL	BL	BL	Pass
058	BL	BL	BL	BL	/	Pass
059	BL	BL	BL	BL	/	Pass
060	BL	BL	BL	BL	/	Pass
061	BL	BL	BL	BL	BL	Pass
062	BL	BL	BL	BL	BL	Pass
063	BL	BL	BL	BL	/	Pass
064	BL	BL	BL	BL	BL	Pass
065	BL	BL	BL	BL	BL	Pass
067	BL	BL	BL	BL	BL	Pass
068	BL	BL	BL	BL	BL	Pass
069	BL	BL	BL	BL	BL	Pass
070	BL	BL	BL	BL	BL	Pass
071	BL	BL	BL	BL	BL	Pass
073	BL	BL	BL	BL	BL	Pass

Sample ID	XRF Screening Result (mg/kg)					Conclusion
	Pb	Cd	Hg	Cr	Br	
074	BL	BL	BL	BL	BL	Pass
075	BL	BL	BL	BL	BL	Pass
076	BL	BL	BL	BL	/	Pass
077	BL	BL	BL	BL	/	Pass
078	BL	BL	BL	BL	/	Pass
079	BL	BL	BL	BL	/	Pass
080	BL	BL	BL	BL	BL	Pass
081	BL	BL	BL	BL	/	Pass
082	BL	BL	BL	BL	BL	Pass
083	BL	BL	BL	BL	/	Pass
084	BL	BL	BL	IN	/	IN
085	BL	BL	BL	BL	BL	Pass
086	BL	BL	BL	BL	/	Pass
087	BL	BL	BL	BL	BL	Pass
088	BL	BL	BL	BL	/	Pass
089	BL	BL	BL	BL	BL	Pass
090	BL	BL	BL	BL	BL	Pass
091	BL	BL	BL	BL	BL	Pass
093	BL	BL	BL	BL	BL	Pass
094	OL	IN	BL	BL	/	IN
095	BL	BL	BL	BL	/	Pass
096	BL	BL	BL	IN	/	IN
097	BL	BL	BL	IN	/	IN
098	BL	BL	BL	BL	BL	Pass
099	BL	BL	BL	BL	BL	Pass
100	BL	BL	BL	BL	BL	Pass
102	BL	BL	BL	BL	BL	Pass
103	BL	BL	BL	BL	BL	Pass
104	BL	BL	BL	BL	BL	Pass
105	BL	BL	BL	BL	BL	Pass
107	BL	BL	BL	IN	/	IN
108	BL	BL	BL	BL	BL	Pass
109	BL	BL	BL	BL	BL	Pass
110	BL	BL	BL	BL	/	Pass
111	BL	BL	BL	BL	BL	Pass
112	BL	BL	BL	BL	BL	Pass

Sample ID	XRF Screening Result (mg/kg)					Conclusion
	Pb	Cd	Hg	Cr	Br	
113	BL	BL	BL	BL	BL	Pass
114	BL	BL	BL	BL	/	Pass
115	BL	BL	BL	BL	BL	Pass
116	BL	BL	BL	BL	BL	Pass
117	BL	BL	BL	BL	/	Pass
118	BL	BL	BL	IN	/	IN
119	BL	BL	BL	BL	BL	Pass
120	BL	BL	BL	BL	/	Pass
121	BL	BL	BL	BL	BL	Pass
122	BL	BL	BL	BL	BL	Pass
123	BL	BL	BL	BL	/	Pass
124	BL	BL	BL	BL	BL	Pass
125	BL	BL	BL	IN	/	IN
126	BL	BL	BL	BL	BL	Pass
127	BL	BL	BL	BL	BL	Pass
128	BL	BL	BL	BL	BL	Pass
129	BL	BL	BL	BL	/	Pass
130	BL	BL	BL	BL	BL	Pass
132	BL	BL	BL	BL	BL	Pass
133	BL	BL	BL	BL	/	Pass
134	BL	BL	BL	BL	/	Pass
135	BL	BL	BL	BL	BL	Pass
136	BL	BL	BL	BL	/	Pass
137	BL	BL	BL	BL	/	Pass
138	BL	BL	BL	IN	/	IN
139	IN	BL	BL	BL	/	IN
140	BL	BL	BL	BL	BL	Pass
141	BL	BL	BL	BL	BL	Pass
142	BL	BL	BL	IN	/	IN
143	BL	BL	BL	BL	BL	Pass
144	BL	BL	BL	BL	/	Pass
145	BL	BL	BL	BL	BL	Pass
147	BL	BL	BL	BL	/	Pass
148	BL	BL	BL	BL	BL	Pass
149	BL	BL	BL	BL	BL	Pass
150	BL	BL	BL	BL	BL	Pass

Sample ID	XRF Screening Result (mg/kg)					Conclusion
	Pb	Cd	Hg	Cr	Br	
151	BL	BL	BL	BL	BL	Pass
152	BL	BL	BL	BL	BL	Pass
153	BL	BL	BL	BL	BL	Pass
154	BL	BL	BL	BL	/	Pass
155	BL	BL	BL	BL	IN	IN
156	BL	BL	BL	BL	/	Pass
157	BL	BL	BL	BL	IN	IN
159	BL	BL	BL	BL	BL	Pass
160	BL	BL	BL	BL	/	Pass
161	BL	BL	BL	BL	BL	Pass
162	BL	BL	BL	BL	/	Pass
163	BL	BL	BL	BL	/	Pass
164	BL	BL	BL	BL	/	Pass
165	BL	BL	BL	BL	BL	Pass
166	BL	BL	BL	BL	/	Pass
167	BL	BL	BL	BL	BL	Pass
168	BL	BL	BL	BL	BL	Pass
169	BL	BL	BL	BL	/	Pass
170	BL	BL	BL	BL	/	Pass
171	BL	BL	BL	BL	BL	Pass
172	BL	BL	BL	BL	/	Pass
173	BL	BL	BL	IN	/	IN
174	BL	BL	BL	BL	BL	Pass
175	BL	BL	BL	BL	BL	Pass
176	BL	BL	BL	BL	/	Pass
177	BL	BL	BL	BL	BL	Pass
178	BL	BL	BL	BL	BL	Pass
179	BL	BL	BL	BL	/	Pass
180	BL	BL	BL	BL	BL	Pass
181	BL	BL	BL	BL	/	Pass
182	BL	BL	BL	BL	BL	Pass
183	BL	BL	BL	IN	/	IN
184	BL	BL	BL	BL	BL	Pass
185	BL	BL	BL	BL	/	Pass
186	BL	BL	BL	BL	BL	Pass
187	BL	BL	BL	BL	BL	Pass

Sample ID	XRF Screening Result (mg/kg)					Conclusion
	Pb	Cd	Hg	Cr	Br	
188	BL	BL	BL	BL	BL	Pass
189	BL	BL	BL	BL	BL	Pass
190	BL	BL	BL	BL	IN	IN
192	BL	BL	BL	BL	BL	Pass
193	OL	BL	BL	BL	BL	IN
194	OL	BL	BL	BL	BL	IN
195	BL	BL	BL	BL	BL	Pass
196	IN	BL	BL	BL	/	IN
197	BL	BL	BL	BL	BL	Pass
198	BL	BL	BL	BL	/	Pass
199	BL	BL	BL	BL	IN	IN
201	BL	BL	BL	BL	/	Pass
202	BL	BL	BL	BL	/	Pass
203	BL	BL	BL	BL	/	Pass
204	BL	BL	BL	BL	BL	Pass
205	BL	BL	BL	BL	/	Pass
206	BL	BL	BL	BL	BL	Pass
207	BL	BL	BL	BL	BL	Pass
208	BL	BL	BL	BL	BL	Pass
209	BL	BL	BL	BL	/	Pass
210	BL	BL	BL	BL	BL	Pass
211	BL	BL	BL	BL	/	Pass
212	BL	BL	BL	BL	/	Pass
213	BL	BL	BL	BL	BL	Pass
214	BL	BL	BL	BL	/	Pass
215	BL	BL	BL	BL	BL	Pass
216	BL	BL	BL	BL	BL	Pass
217	BL	BL	BL	BL	BL	Pass
218	BL	BL	BL	BL	BL	Pass
219	BL	BL	BL	BL	/	Pass
220	BL	BL	BL	BL	BL	Pass
221	BL	BL	BL	BL	/	Pass
222	BL	BL	BL	BL	/	Pass
223	BL	BL	BL	BL	BL	Pass
224	BL	BL	BL	BL	BL	Pass
225	BL	BL	BL	BL	/	Pass

Sample ID	XRF Screening Result (mg/kg)					Conclusion
	Pb	Cd	Hg	Cr	Br	
226	BL	BL	BL	BL	BL	Pass
227	BL	BL	BL	BL	BL	Pass
228	BL	BL	BL	BL	IN	IN
229	BL	BL	BL	IN	/	IN
230	BL	BL	BL	BL	BL	Pass
231	BL	BL	BL	BL	/	Pass
232	BL	BL	BL	BL	IN	IN
234	BL	BL	BL	BL	BL	Pass
235	OL	BL	BL	BL	BL	IN
236	IN	BL	BL	BL	BL	IN
237	BL	BL	BL	BL	BL	Pass
238	BL	BL	BL	BL	/	Pass
239	BL	BL	BL	IN	IN	IN
240	BL	BL	BL	IN	/	IN
241	BL	BL	BL	BL	/	Pass
242	BL	BL	BL	BL	BL	Pass
243	BL	BL	BL	BL	BL	Pass
244	BL	BL	BL	BL	BL	Pass
245	BL	BL	BL	BL	IN	IN
247	BL	BL	BL	IN	/	IN
248	BL	BL	BL	BL	BL	Pass
249	BL	BL	BL	BL	/	Pass
250	OL	IN	BL	BL	/	IN
251	BL	BL	BL	IN	/	IN
252	BL	BL	BL	BL	/	Pass
253	BL	BL	BL	BL	/	Pass
254	BL	BL	BL	BL	BL	Pass
265	BL	BL	BL	BL	BL	Pass
266	BL	BL	BL	IN	/	IN

2.Chemical Test Result

Sample ID	Chemical Test Result (mg/kg)						Conclusion
	Pb	Cd	Hg	Cr(VI)	PBBs	PBDEs	
009	/	/	/	N.D.	/	/	Pass
011	20486#1	35	/	/	/	/	Pass
012	12410#1	22	/	/	/	/	Pass
013	/	/	/	N.D.	/	/	Pass
023	/	/	/	N.D.	/	/	Pass
025	/	/	/	N.D.	/	/	Pass
029	/	/	/	N.D.	/	/	Pass
032	/	/	/	N.D.	/	/	Pass
042	/	/	/	N.D.	/	/	Pass
084	/	/	/	N.D.	/	/	Pass
094	20077#1	34	/	/	/	/	Pass
096	/	/	/	N.D.	/	/	Pass
097	/	/	/	N.D.	/	/	Pass
107	/	/	/	N.D.	/	/	Pass
118	/	/	/	N.D.	/	/	Pass
125	/	/	/	N.D.	/	/	Pass
138	/	/	/	N.D.	/	/	Pass
139	225	/	/	/	/	/	Pass
142	/	/	/	N.D.	/	/	Pass
155	/	/	/	/	N.D.	N.D.	Pass
157	/	/	/	/	N.D.	N.D.	Pass
173	/	/	/	N.D.	/	/	Pass
183	/	/	/	N.D.	/	/	Pass
190	/	/	/	/	N.D.	N.D.	Pass
193	45563#2	/	/	/	/	/	Pass
194	21926#2	/	/	/	/	/	Pass
196	110	/	/	/	/	/	Pass
199	/	/	/	/	N.D.	N.D.	Pass
228	/	/	/	/	N.D.	N.D.	Pass
229	/	/	/	N.D.	/	/	Pass
232	/	/	/	/	N.D.	N.D.	Pass
235	46109#2	/	/	/	/	/	Pass
236	10506#2	/	/	/	/	/	Pass
239	/	/	/	N.D.	N.D.	DecaBDE:90 Others:N.D Sum:90	Pass

Sample ID	Chemical Test Result (mg/kg)						Conclusion
	Pb	Cd	Hg	Cr(VI)	PBBs	PBDEs	
240	/	/	/	N.D.	/	/	Pass
245	/	/	/	/	N.D.	N.D.	Pass
247	/	/	/	N.D.	/	/	Pass
250	19456#1	33	/	/	/	/	Pass
251	/	/	/	N.D.	/	/	Pass
266	/	/	/	N.D.	/	/	Pass

Bis-(2-ethylhexyl) Phthalate (DEHP), Benzyl butyl Phthalate (BBP), Dibutyl Phthalate (DBP) and Diisobutyl Phthalate(DIBP)

Sample ID	Test Items Result (mg/kg)				Conclusion
	DEHP	BBP	DBP	DIBP	
001+002+004	N.D.	N.D.	N.D.	N.D.	Pass
003	N.D.	N.D.	N.D.	N.D.	Pass
005+015+073	N.D.	N.D.	N.D.	N.D.	Pass
006	N.D.	N.D.	N.D.	N.D.	Pass
007+008+016	N.D.	N.D.	N.D.	N.D.	Pass
010+018+067	N.D.	N.D.	N.D.	N.D.	Pass
014+024+043	N.D.	N.D.	N.D.	N.D.	Pass
021+036+065	N.D.	N.D.	N.D.	N.D.	Pass
022+033+098	N.D.	N.D.	N.D.	N.D.	Pass
026	N.D.	N.D.	N.D.	N.D.	Pass
027+035	N.D.	N.D.	N.D.	N.D.	Pass
034	N.D.	N.D.	N.D.	N.D.	Pass
038+039+040	N.D.	N.D.	N.D.	N.D.	Pass
041+044+054	N.D.	N.D.	N.D.	N.D.	Pass
046+048+057	N.D.	N.D.	N.D.	N.D.	Pass
052+105+130	N.D.	N.D.	N.D.	N.D.	Pass
061+062+068	N.D.	N.D.	N.D.	N.D.	Pass
069+074+075	N.D.	N.D.	N.D.	N.D.	Pass
071+091	N.D.	N.D.	N.D.	N.D.	Pass
080+087+148	N.D.	N.D.	N.D.	N.D.	Pass
082+085+093	N.D.	N.D.	N.D.	N.D.	Pass
089+090+108	N.D.	N.D.	N.D.	N.D.	Pass
100	N.D.	N.D.	N.D.	N.D.	Pass
102+103+112	N.D.	N.D.	N.D.	N.D.	Pass
104+113	N.D.	N.D.	N.D.	N.D.	Pass

Sample ID	Test Items Result (mg/kg)				Conclusion
	DEHP	BBP	DBP	DIBP	
109+115+116	N.D.	N.D.	N.D.	N.D.	Pass
111+167+182	N.D.	N.D.	N.D.	N.D.	Pass
119+177+207	N.D.	N.D.	N.D.	N.D.	Pass
121	N.D.	N.D.	N.D.	N.D.	Pass
122	N.D.	N.D.	N.D.	N.D.	Pass
132+135+143	N.D.	N.D.	N.D.	N.D.	Pass
140	N.D.	N.D.	N.D.	N.D.	Pass
141+188+227	N.D.	N.D.	N.D.	N.D.	Pass
145+157+190	N.D.	N.D.	N.D.	N.D.	Pass
149+150+151	N.D.	N.D.	N.D.	N.D.	Pass
152+153	N.D.	N.D.	N.D.	N.D.	Pass
155+161+174	N.D.	N.D.	N.D.	N.D.	Pass
159+171+213	N.D.	N.D.	N.D.	N.D.	Pass
165+204	N.D.	N.D.	N.D.	N.D.	Pass
168+220+223	N.D.	N.D.	N.D.	N.D.	Pass
175+178+184	N.D.	N.D.	N.D.	N.D.	Pass
180+210	N.D.	N.D.	N.D.	N.D.	Pass
186+189+197	N.D.	N.D.	N.D.	N.D.	Pass
187+206+216	N.D.	N.D.	N.D.	N.D.	Pass
199+232+245	N.D.	N.D.	N.D.	N.D.	Pass
208+215+217	N.D.	N.D.	N.D.	N.D.	Pass
218+228+230	N.D.	N.D.	N.D.	N.D.	Pass
224	N.D.	N.D.	N.D.	N.D.	Pass
226+242+243	N.D.	N.D.	N.D.	N.D.	Pass
239+248	N.D.	N.D.	N.D.	N.D.	Pass
244	N.D.	N.D.	N.D.	N.D.	Pass
265	N.D.	N.D.	N.D.	N.D.	Pass

Note: 1.N.D. = Not Detected (<MDL)
MDL = Method Detection Limit
1mg/kg = 1ppm =0.0001%
/=Not Regulated or Not Applicable
2. BL = Below the XRF screening limit
IN = Further chemical test will be conducted when the screening result inconclusive
OL = Further chemical test will be conducted while the result is above the screening limit.
3. For metal samples, the sample is negative for Cr(VI), if the Cr(VI) concentration is less than 0.10 μg/cm², the coating is considered a non- Cr(VI) based coating;
The sample is positive for Cr(VI), if the Cr(VI) concentration is greater than 0.13 μg/cm², The sample coating is considered to contain Cr(VI);
The result is considered to be inconclusive, the Cr(VI) concentration is between the 0.10 μg/cm² and 0.13 μg/cm², 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.

Remark: 1. When conducting the test for PBBs&PBDEs, XRF was introduced to screen Br Exclusively; When conducting the test for Hexavalent Chromium, XRF was introduced to screen Chromium exclusively.
2. According to the client's statement, the material of the sample(s) comply with RoHS directive 2011/65/EU Annex III Exemption, Corresponding exemption clause:
#1 6(c) Lead is exempted as copper alloy containing up to 4% lead by weight.
#2 7(a) Lead is exempted as Lead in high melting temperature type solders (i.e. lead- based alloys containing 85 % by weight or more lead).

Test Method:

1. With reference to IEC 62321-1: 2013 Ed.1.0, IEC 62321-2:2021 Ed.2.0, IEC 62321-3-1:2026 Ed.2.0

XRF screening limits in mg/kg for regulated elements in various matrices.

Element	Limit of IEC 62321-3-1:2026 Ed.2.0 (mg/kg)		
	Polymers	Metals	Composite material
Pb	BL≤(700-3σ) <X <(1300+3σ)≤OL	BL≤(700-3σ) <X <(1300+3σ)≤OL	BL≤(500-3σ)<X <(1500+3σ)≤OL
Cd	BL≤(70-3σ)<X < (130+3σ) ≤OL	BL≤(70-3σ)<X < (130+3σ) ≤OL	LOD <X<(150+3σ) ≤OL
Hg	BL≤(700-3σ)<X <(1300+3σ)≤OL	BL≤(700-3σ)<X <(1300+3σ)≤OL	BL≤(500-3σ)<X <(1500+3σ)≤OL
Cr	BL≤(700-3σ)< X	BL≤(700-3σ)< X	BL≤(500-3σ)< X
Br	BL≤(300-3σ)< X	/	BL≤(250-3σ)< X

Note: BL= Below the XRF screening limit
OL=Over the XRF screening limit
X=The symbol"X"marks the region where further investigation is necessary.
3σ =The reproducibility of analytical instruments
LOD= Detection limit

2. Chemical Test

Test item	**Test method**	**Test instrument**	**MDL**	**Limit△**
Lead (Pb)	IEC 62321-5:2013 Ed.1.0	ICP-OES	2 mg/kg	1000 mg/kg
Cadmium (Cd)	IEC 62321-5:2013 Ed.1.0	ICP-OES	2 mg/kg	100 mg/kg
Mercury (Hg)	IEC 62321-4:2013+AMD1:2017	ICP-OES	2 mg/kg	1000 mg/kg
Hexavalent Chromium(Cr(VI))	IEC 62321-7-1:2015 Ed.1.0	UV-Vis	0.10 μg/cm^2	1000 mg/kg
	IEC 62321-7-2:2017 Ed.1.0		8 mg/kg	
Polybrominated Biphenyls(PBBs)	IEC 62321-12:2023 Ed.1.0	GC-MS	5 mg/kg	1000 mg/kg
Polybrominated, Diphenyl Ethers(PBDEs)	IEC 62321-12:2023 Ed.1.0	GC-MS	5 mg/kg	1000 mg/kg
Bis-(2-ethylhexyl) Phthalate (DEHP)	IEC 62321-12:2023 Ed.1.0	GC-MS	30 mg/kg	1000 mg/kg
Benzyl butyl Phthalate (BBP)	IEC 62321-12:2023 Ed.1.0	GC-MS	30 mg/kg	1000 mg/kg
Dibutyl Phthalate (DBP)	IEC 62321-12:2023 Ed.1.0	GC-MS	30 mg/kg	1000 mg/kg
Diisobutyl Phthalate (DIBP)	IEC 62321-12:2023 Ed.1.0	GC-MS	30 mg/kg	1000 mg/kg

△The limit is quoted from RoHS Directive (EU) 2015/863 amending Annex II to Directive 2011/65/EU.

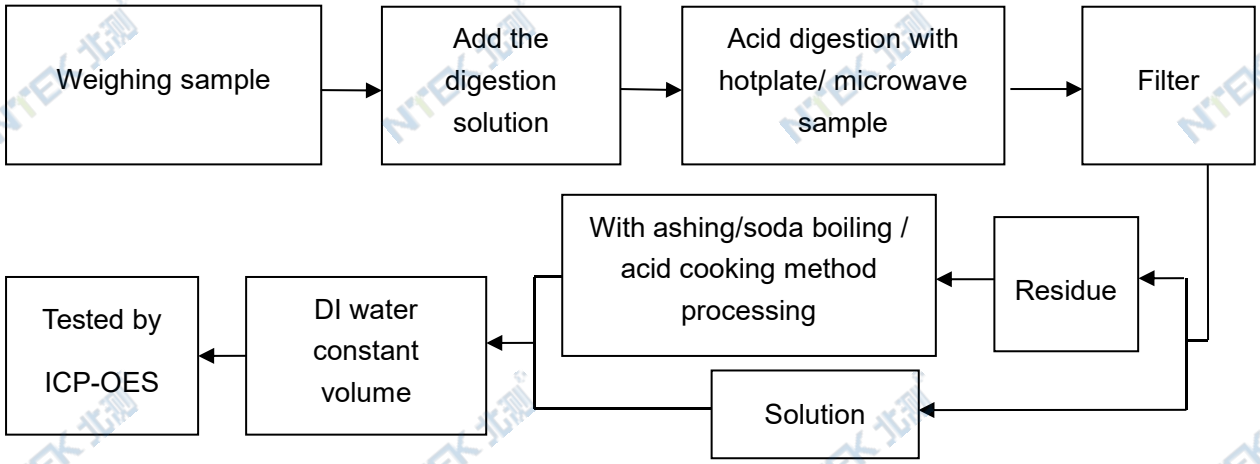
Test instrument:

Test instrument	Instrument model	Calibration effective date
EDXRF	EDX 1800E	2027-03-11
GC-MS	GCMS-QP2020NX	2028-05-11
ICP-OES	ICAP PRO X	2028-04-26
GC-MS	QP-2010	2028-04-26
UV-vis	T6	2027-05-21

Test Flow:

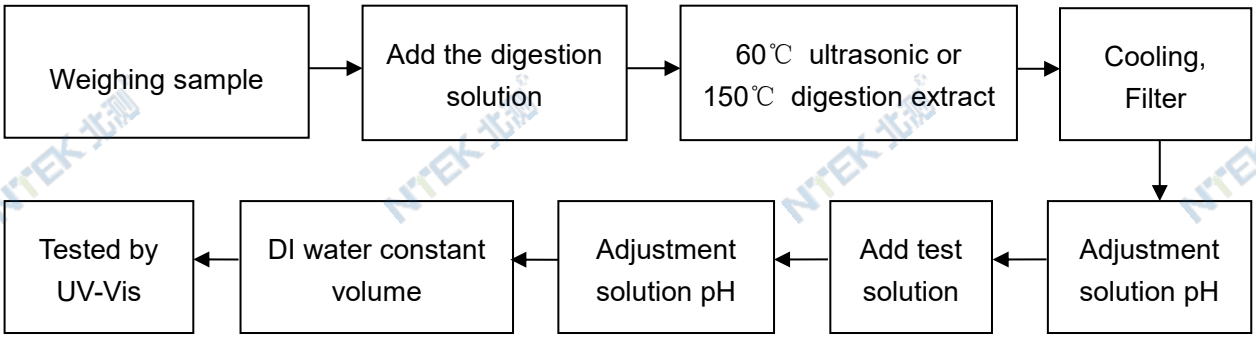
1. Lead(Pb), Cadmium(Cd) , Mercury (Hg)

The sample is completely digested according to the procedure described below

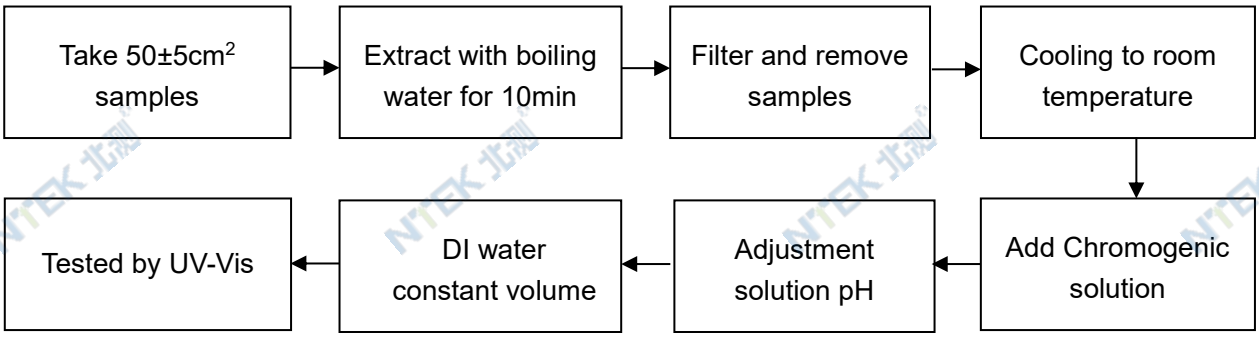


2. Hexavalent Chromium(Cr(VI))

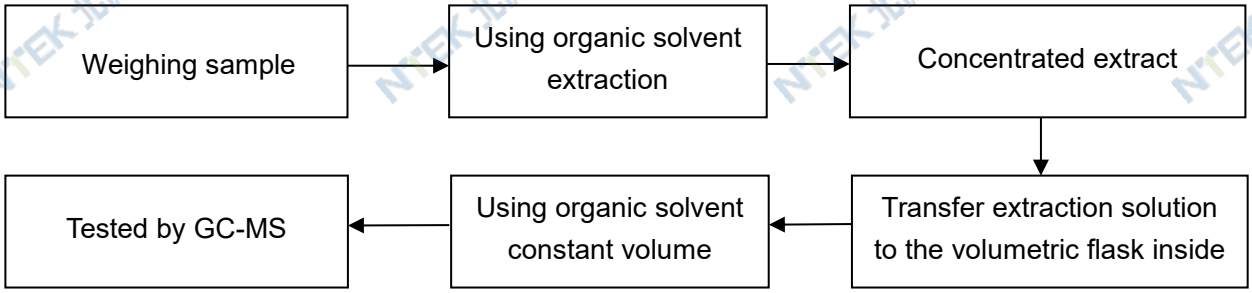
2.1 Non- metal sample(s)



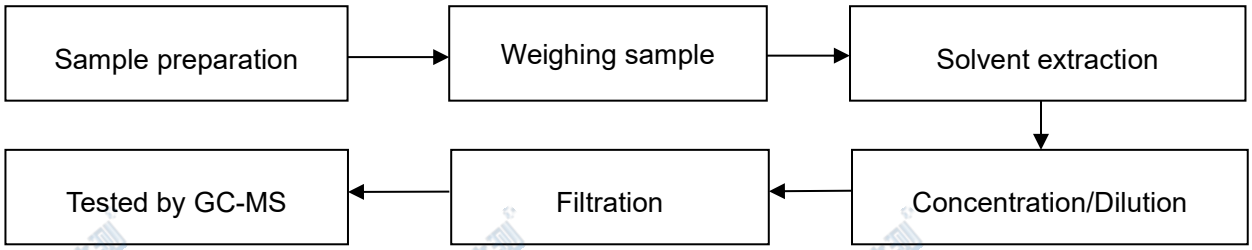
2.2 Metal sample(s)



3. PBBs/ PBDEs



4. Phthalates



Sample photo(s)：

Fig.1(Finished photo)

Fig.2(Finished photo)

Fig.3

Fig.4

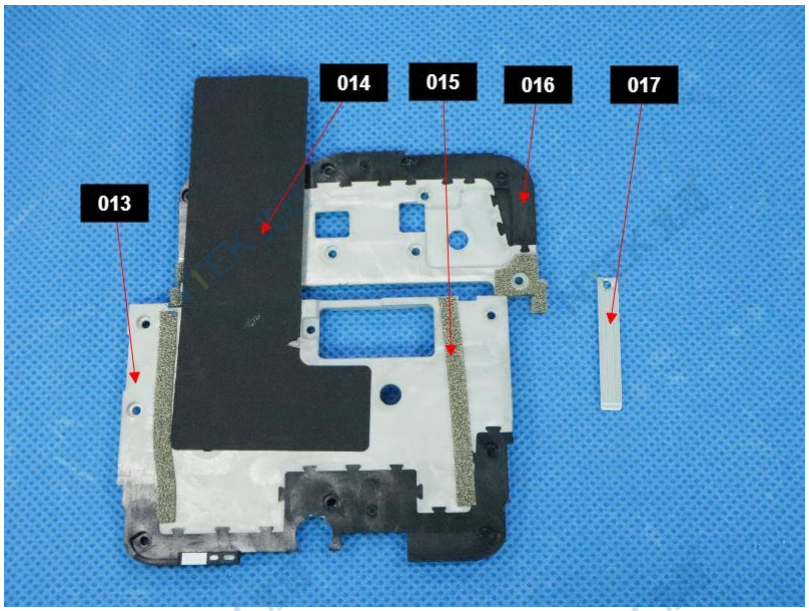


Fig.5

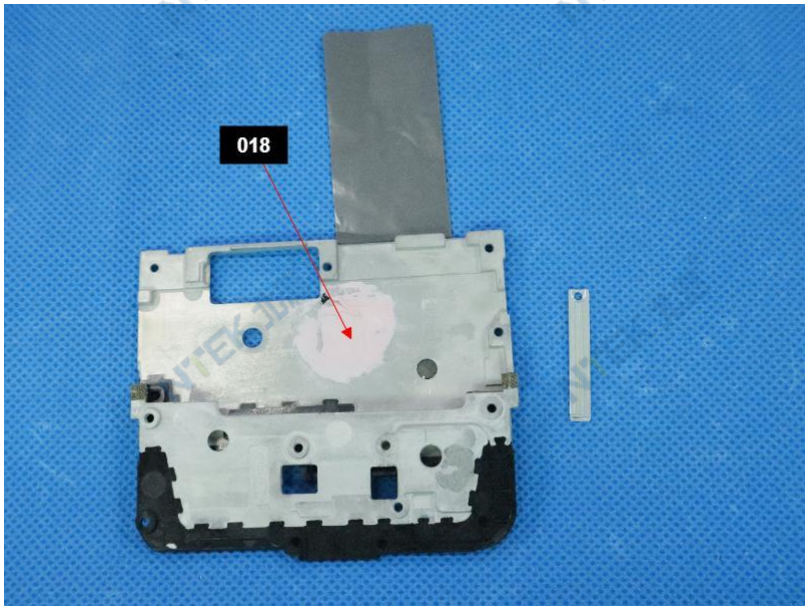


Fig.6

Fig.7

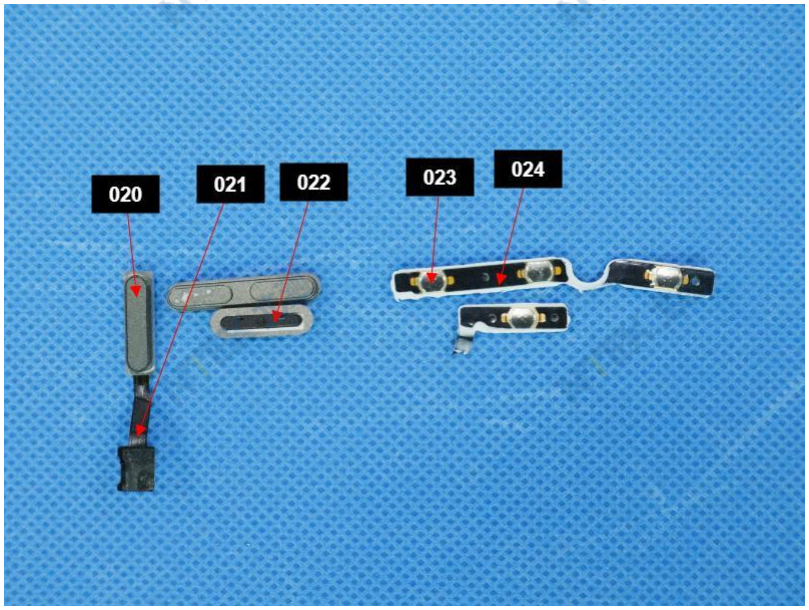


Fig.8

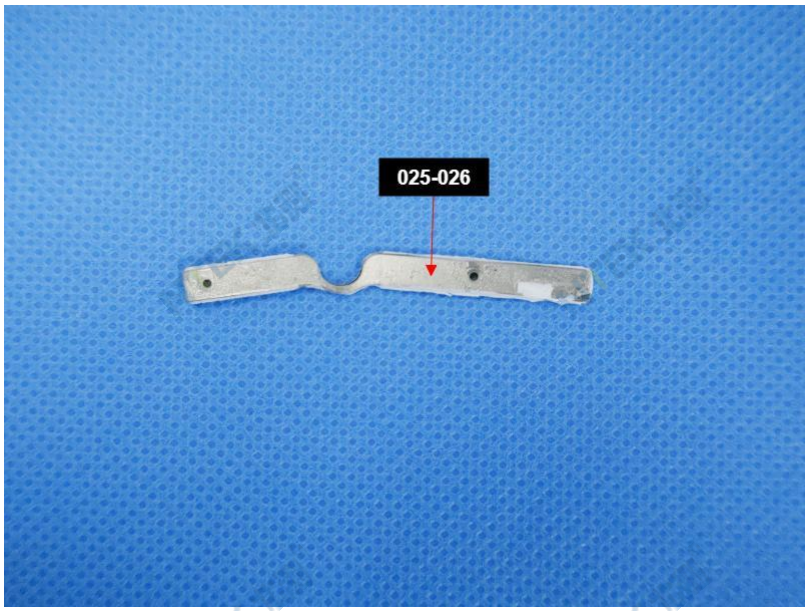


Fig.9

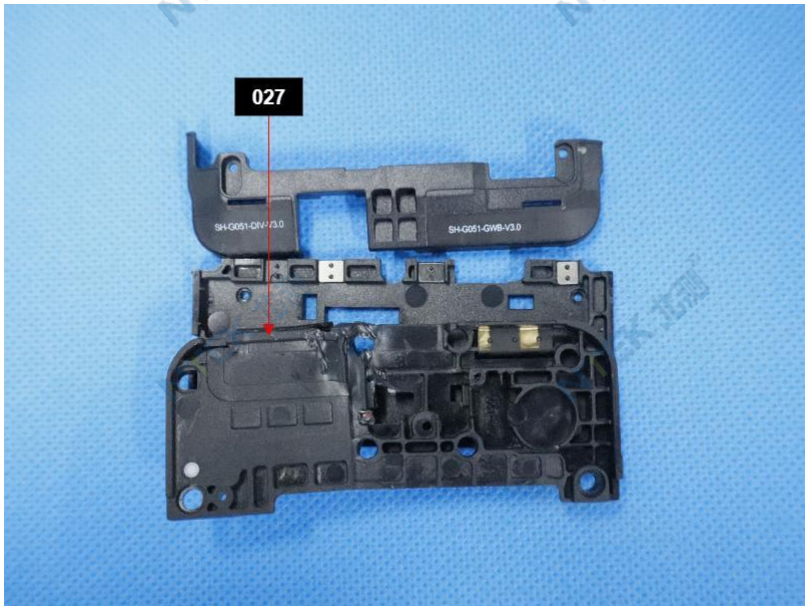


Fig.10

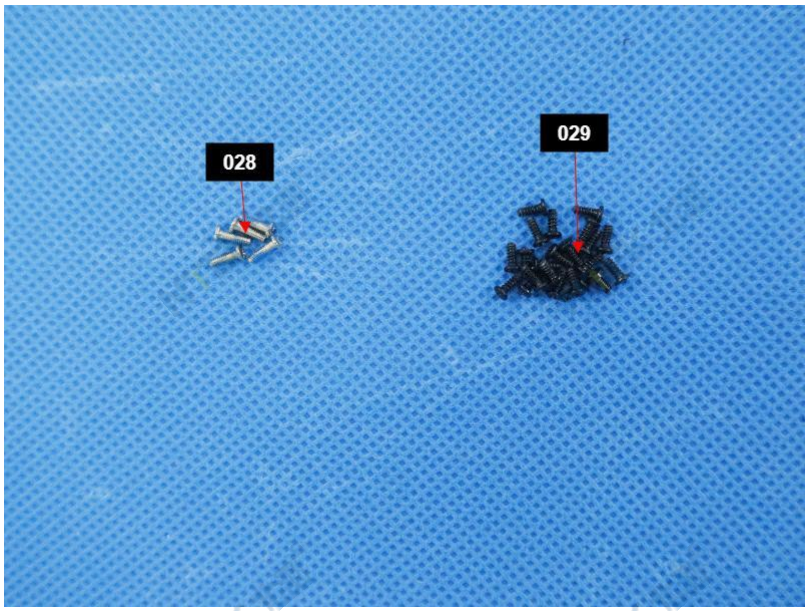


Fig.11

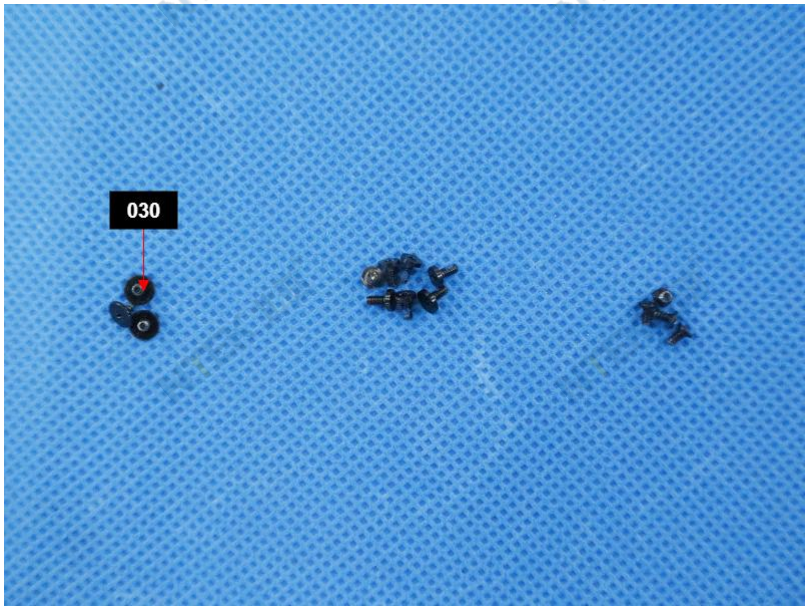


Fig.12

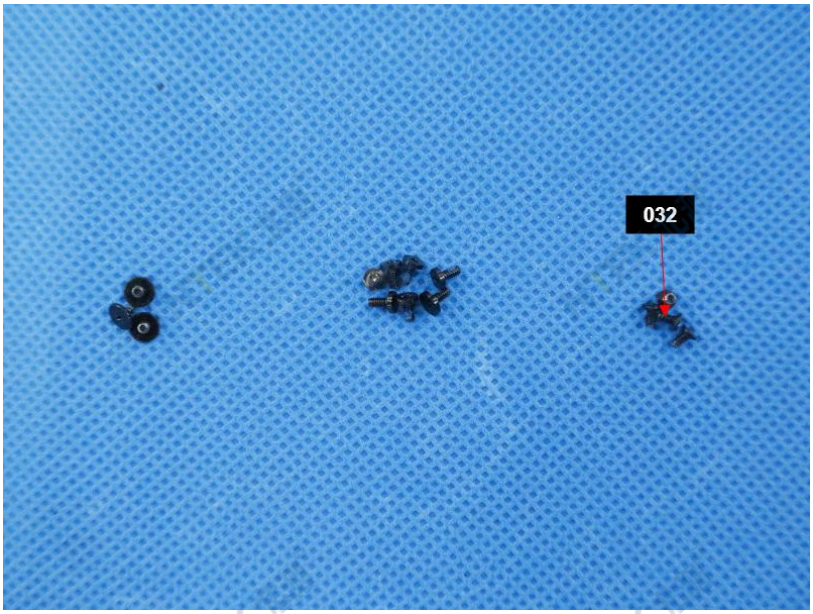


Fig.13

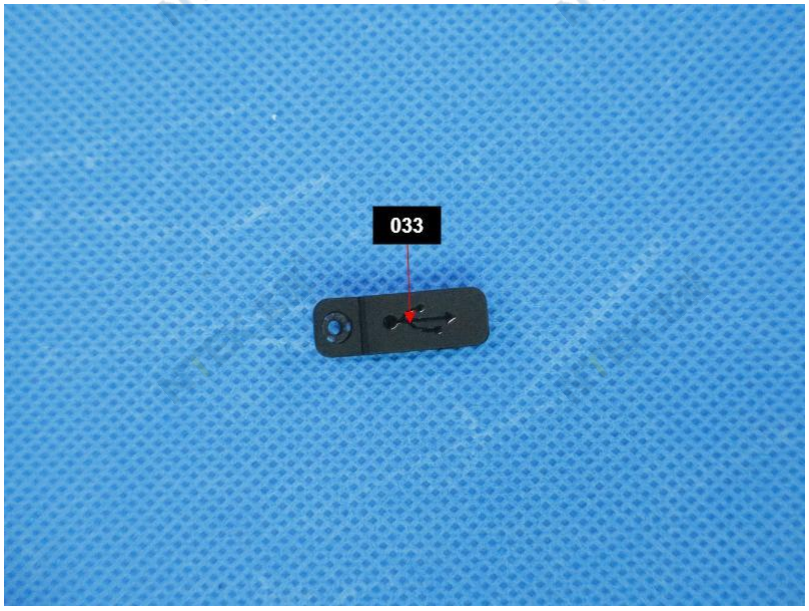


Fig.14

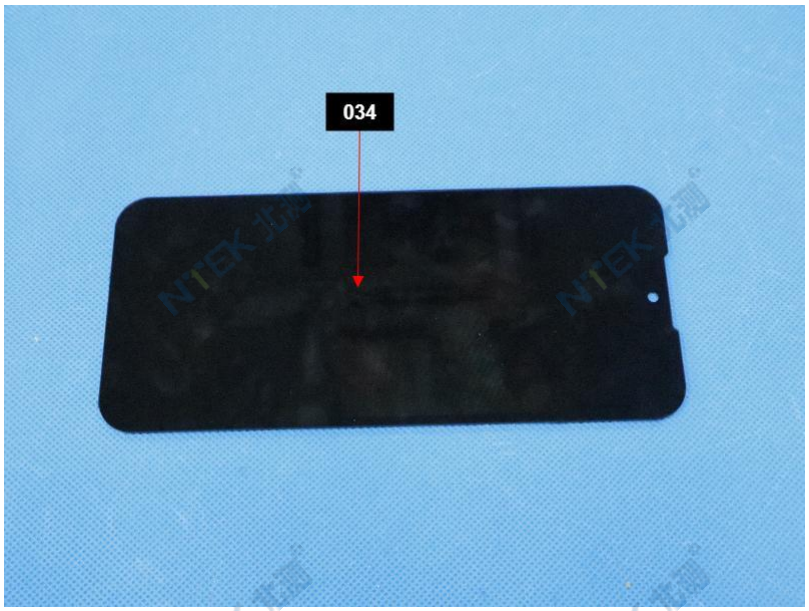


Fig.15

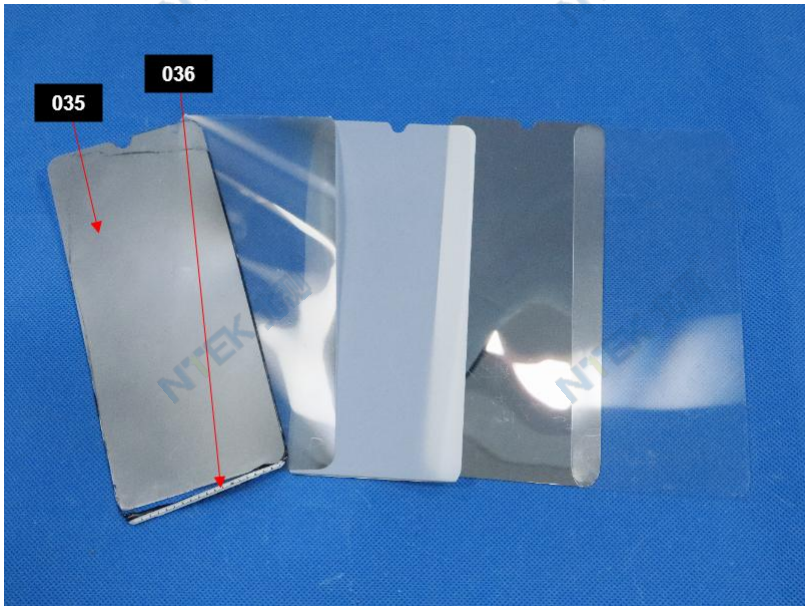


Fig.16

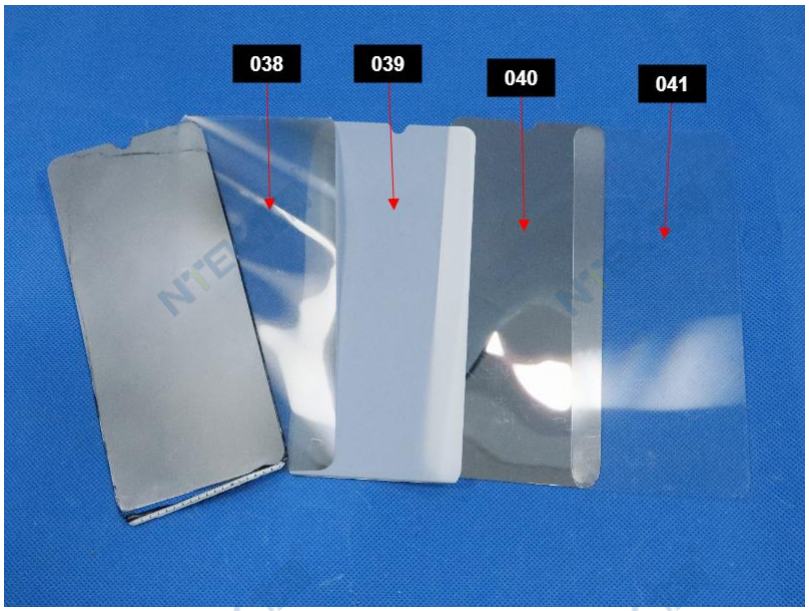


Fig.17

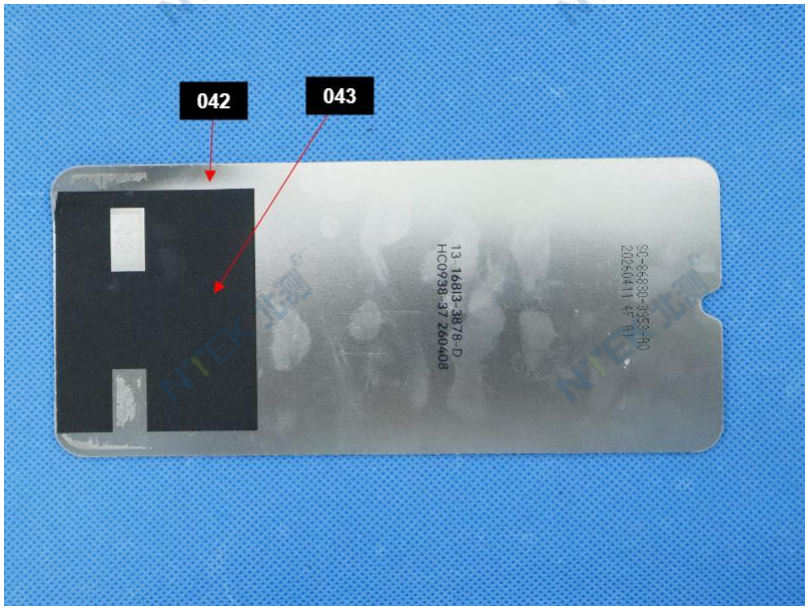


Fig.18

Fig.19

Fig.20

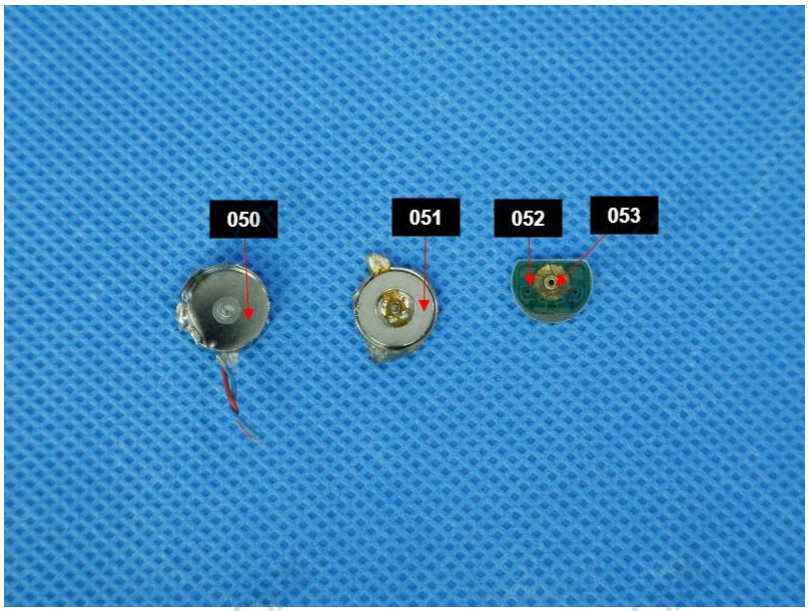


Fig.21

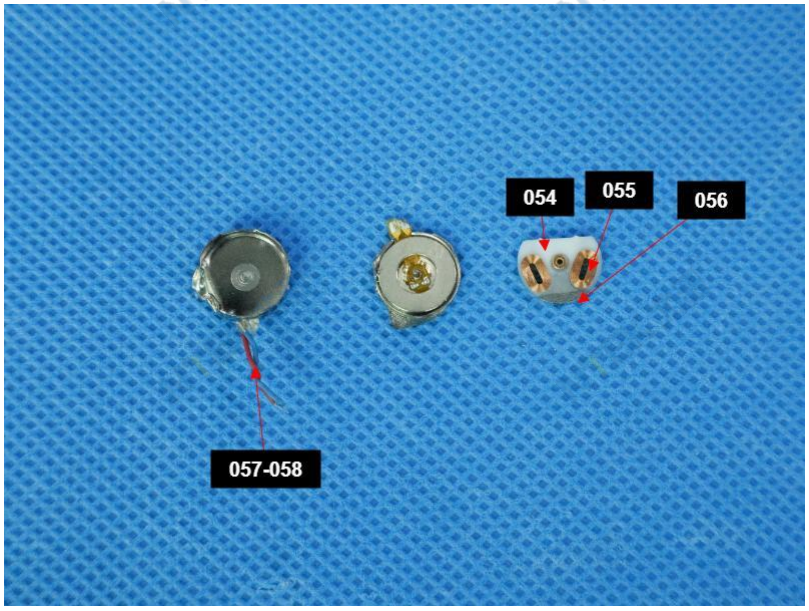


Fig.22

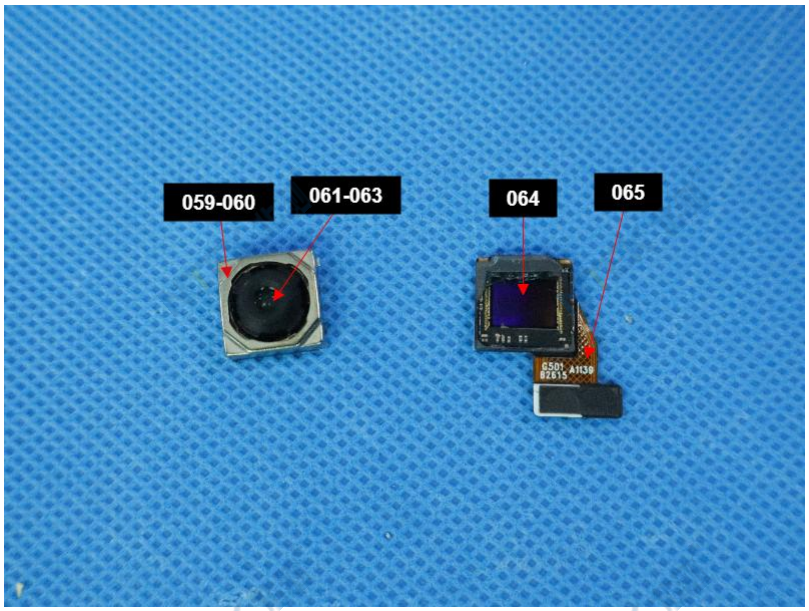


Fig.23

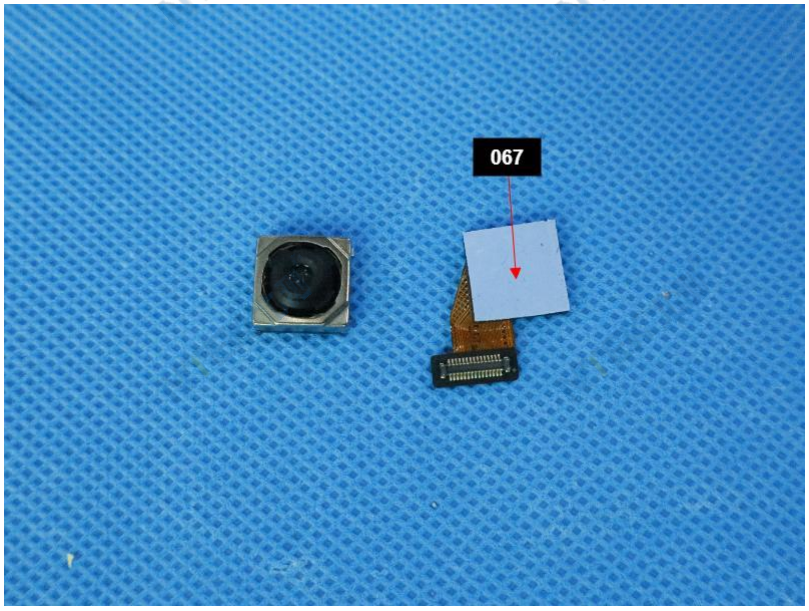


Fig.24

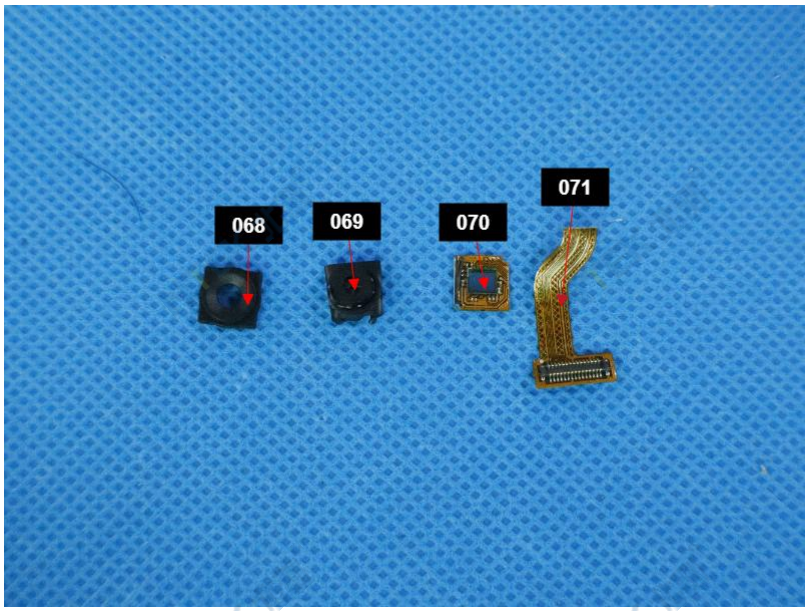


Fig.25

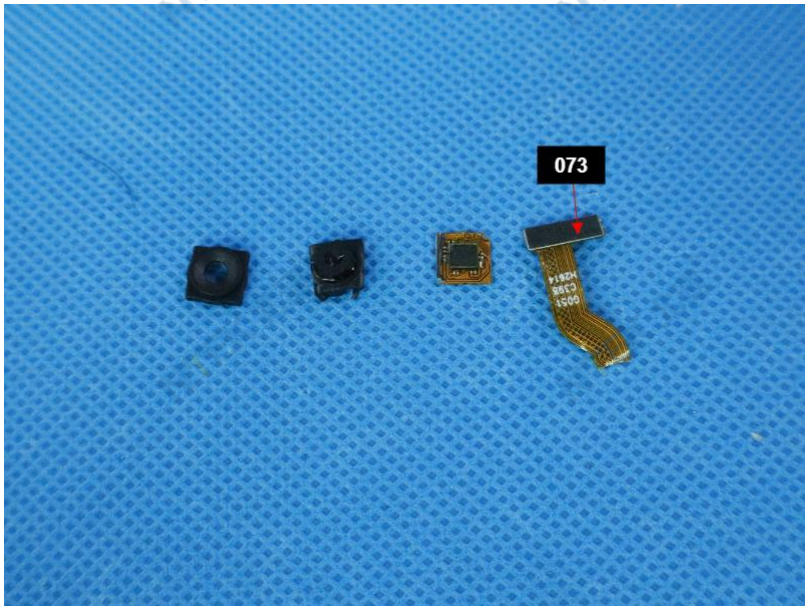


Fig.26

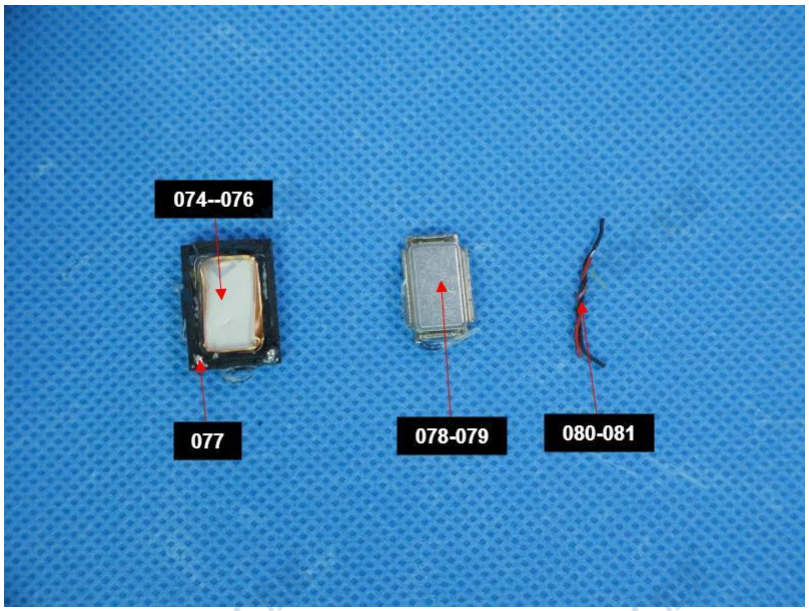


Fig.27

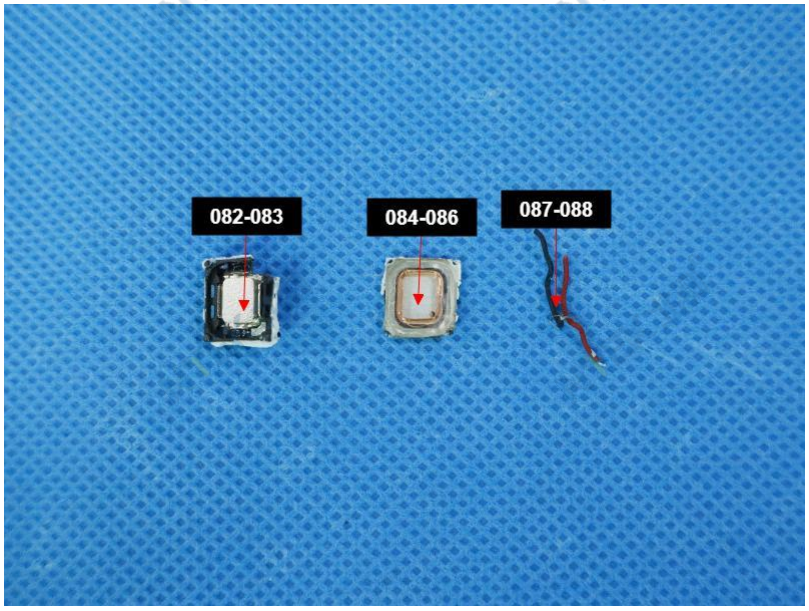


Fig.28

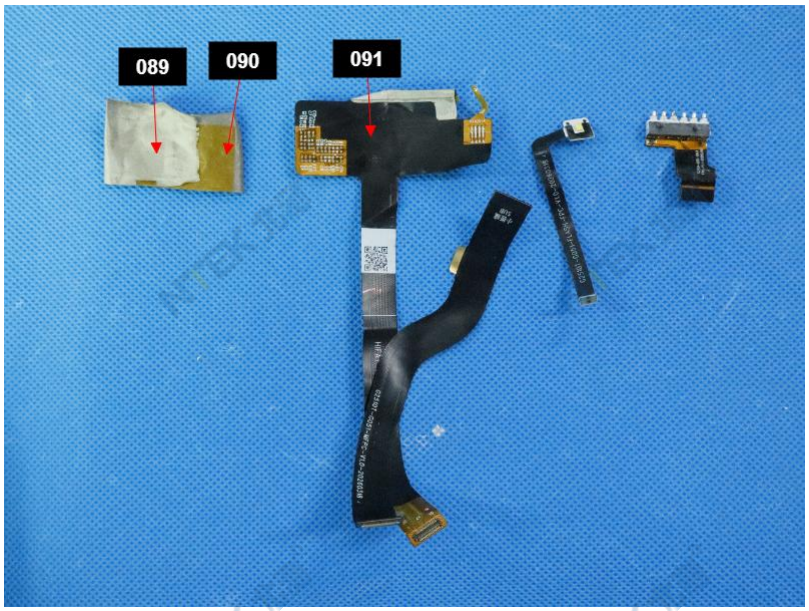


Fig.29

Fig.30

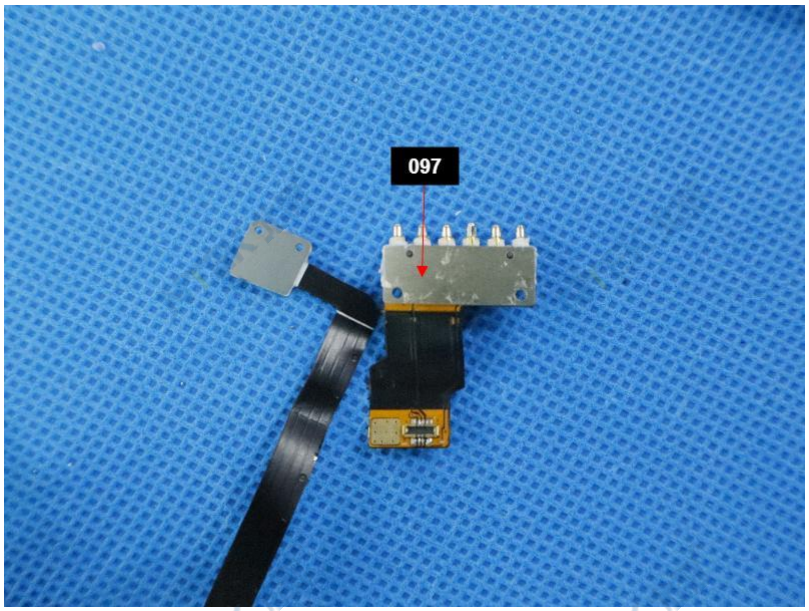


Fig.31

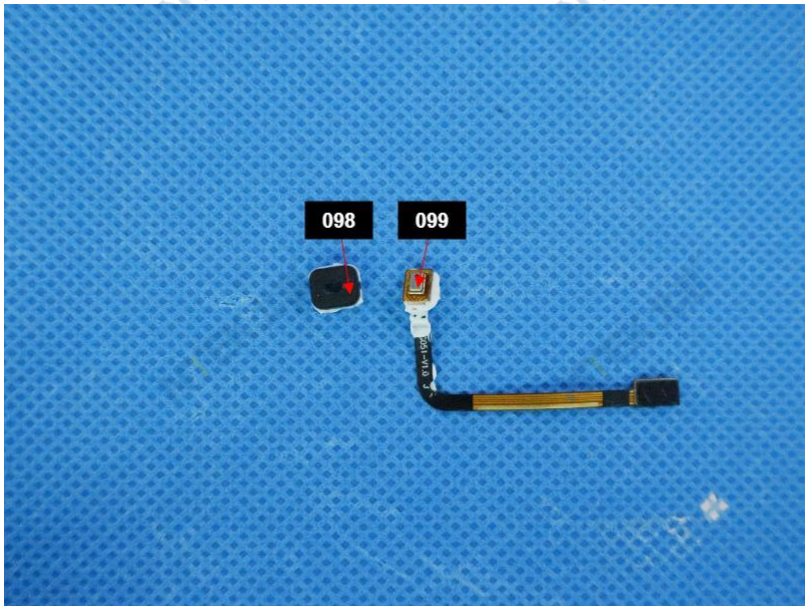


Fig.32

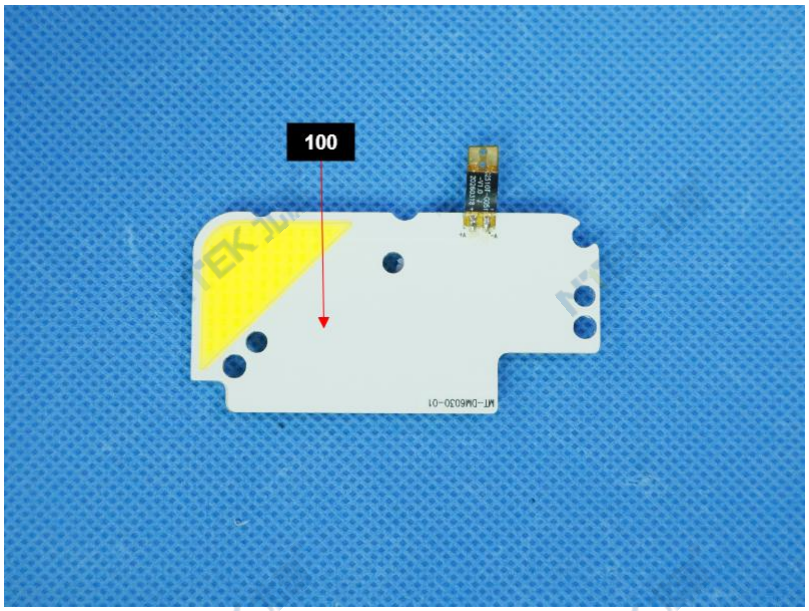


Fig.33

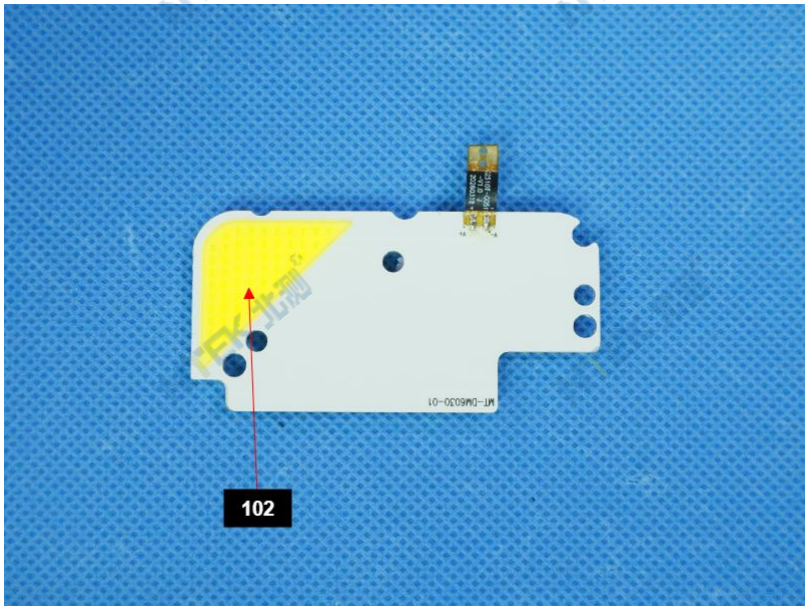


Fig.34

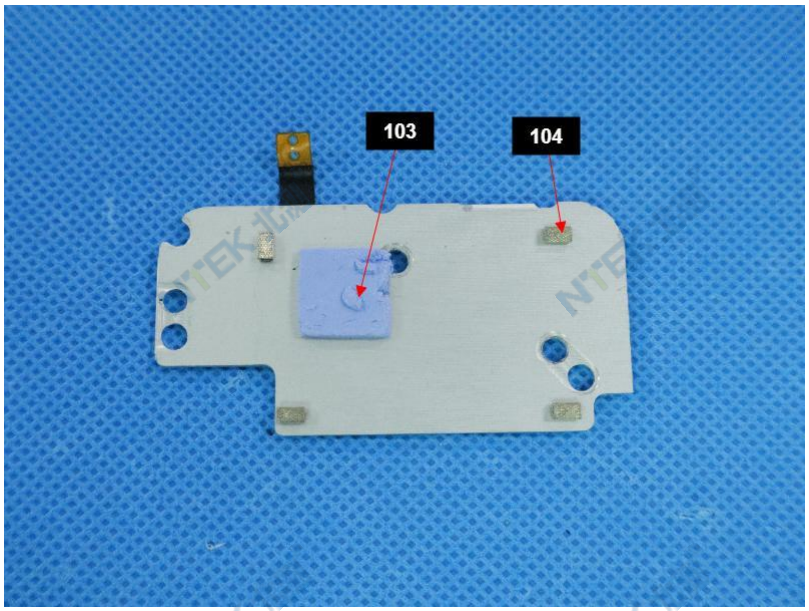


Fig.35

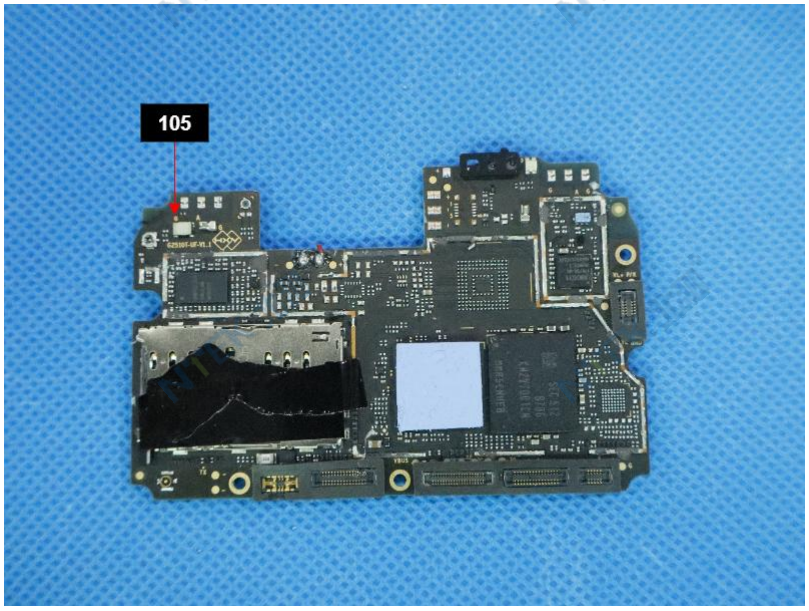


Fig.36

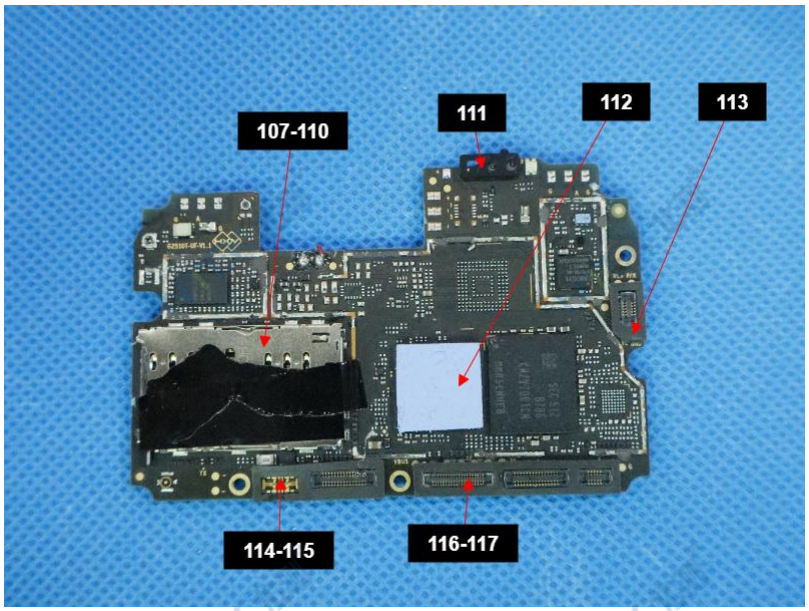


Fig.37

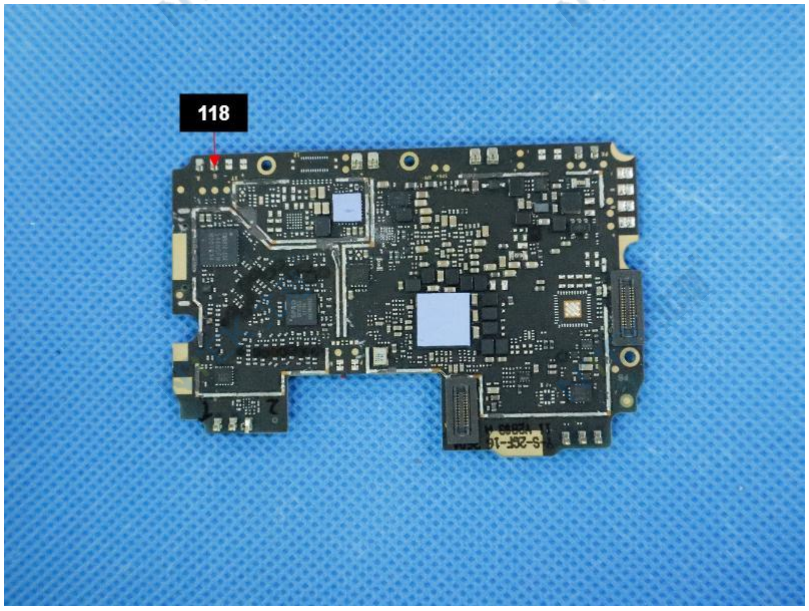


Fig.38

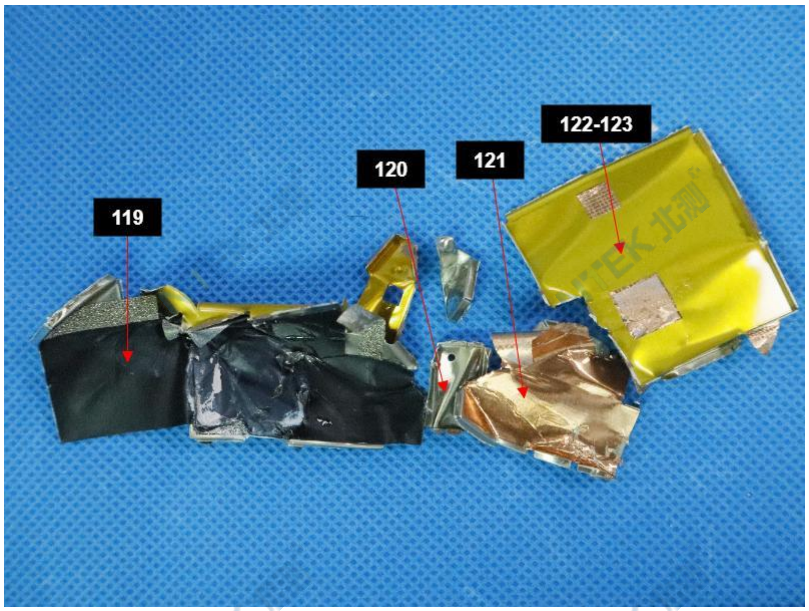


Fig.39

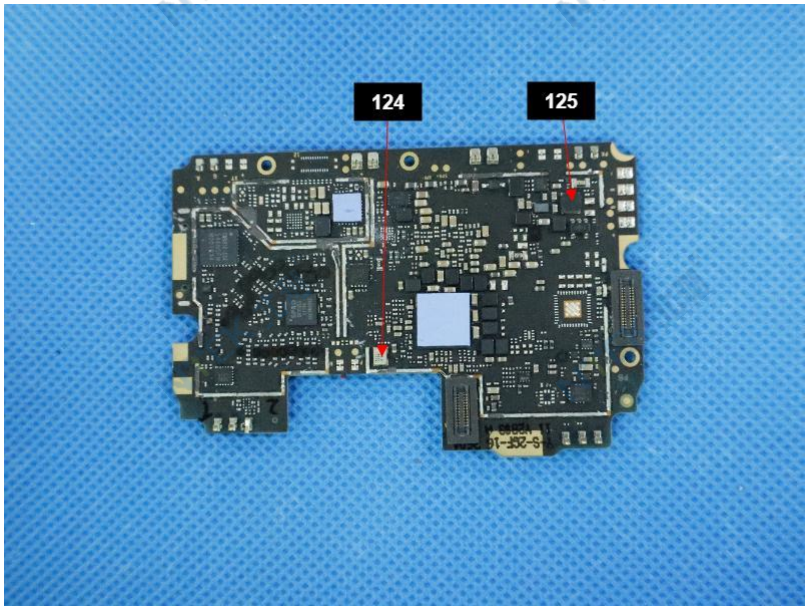


Fig.40

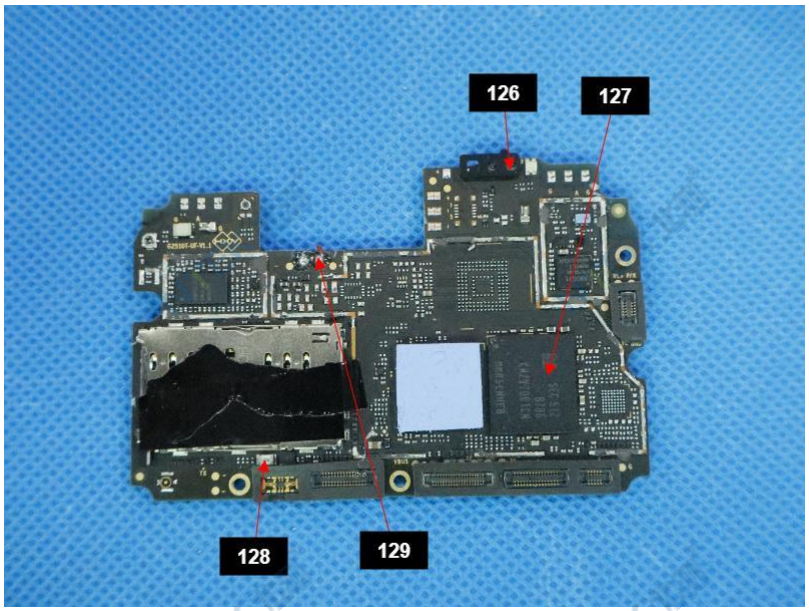


Fig.41

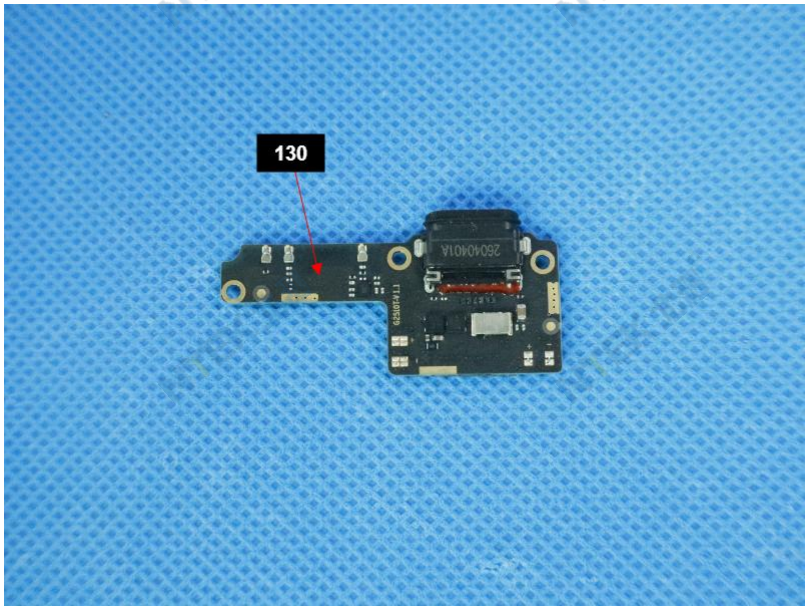


Fig.42

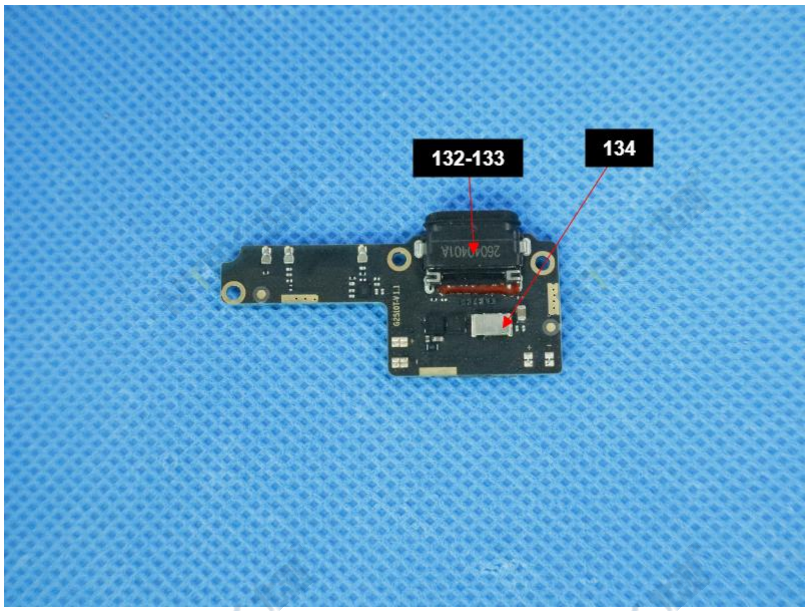


Fig.43

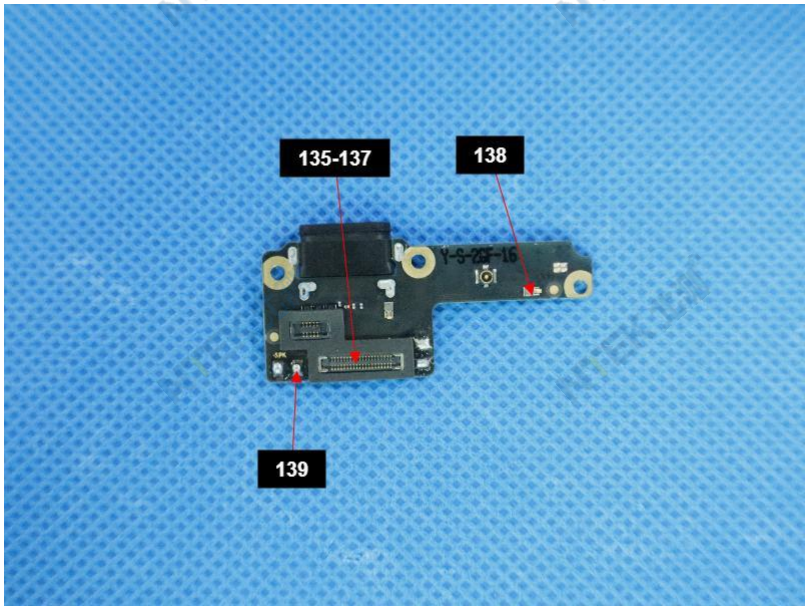
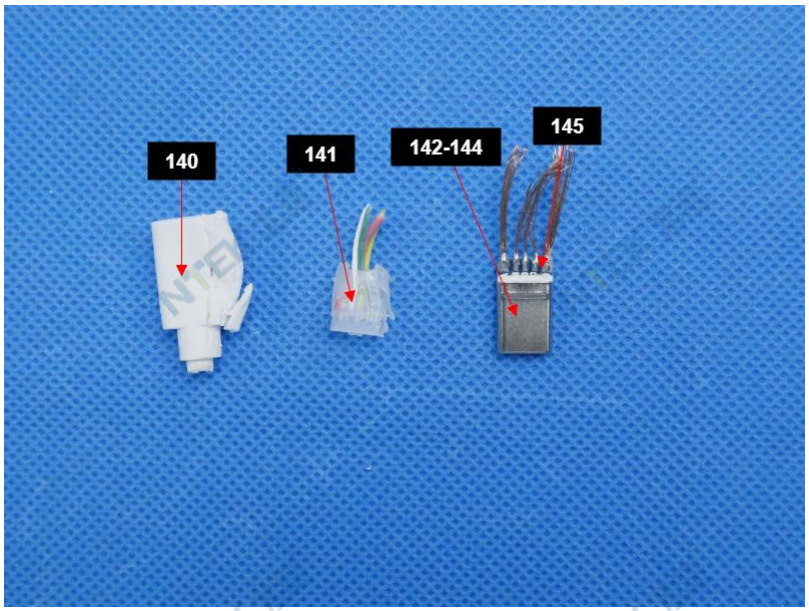


Fig.44



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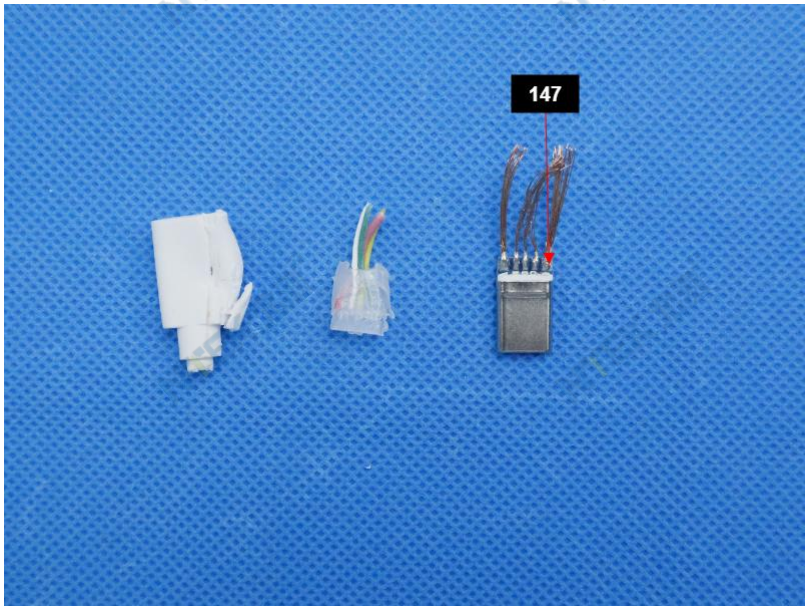

Fig.46

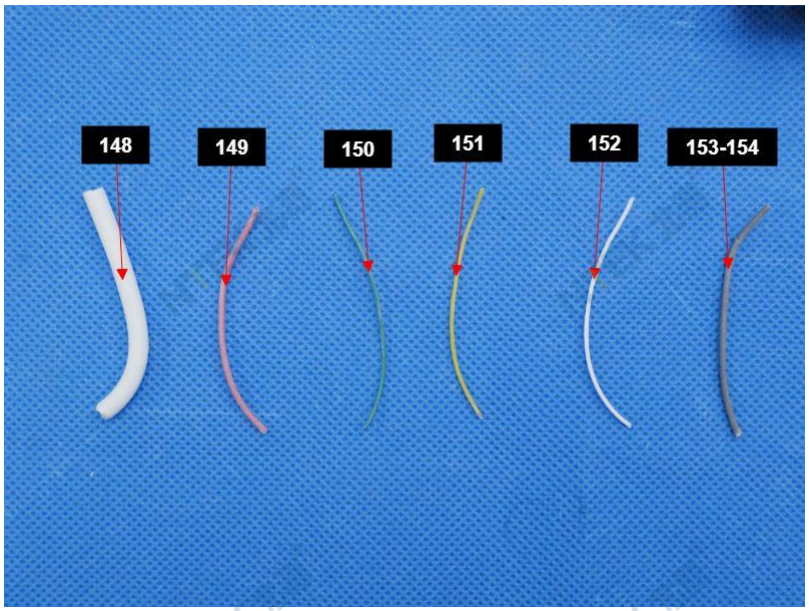

Fig.47

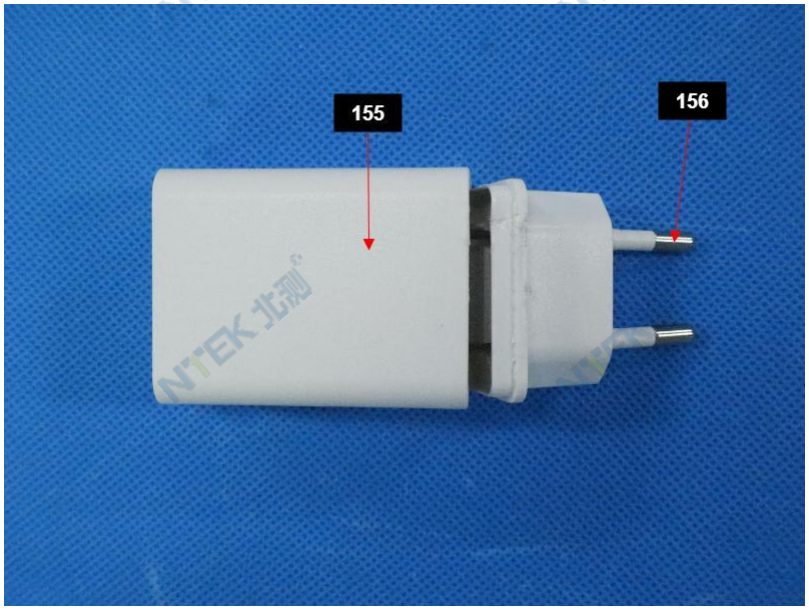

Fig.48

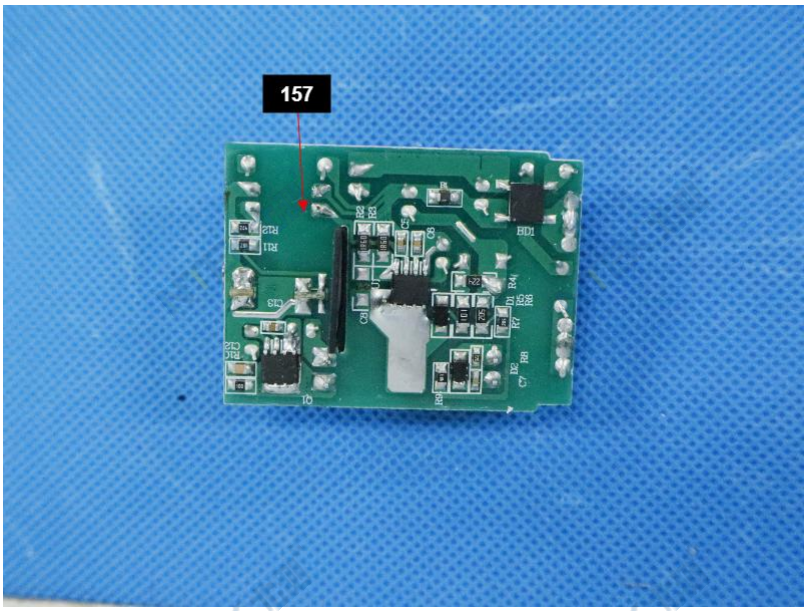

Fig.49

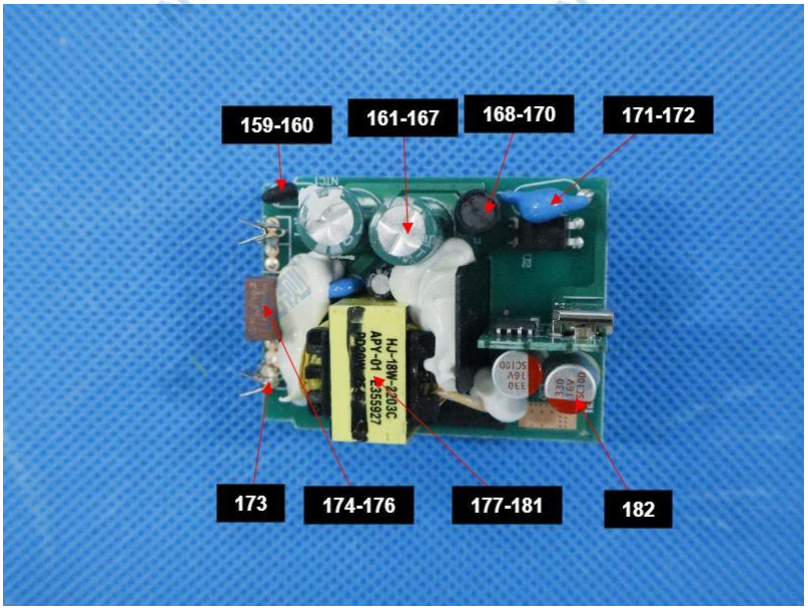

Fig.50

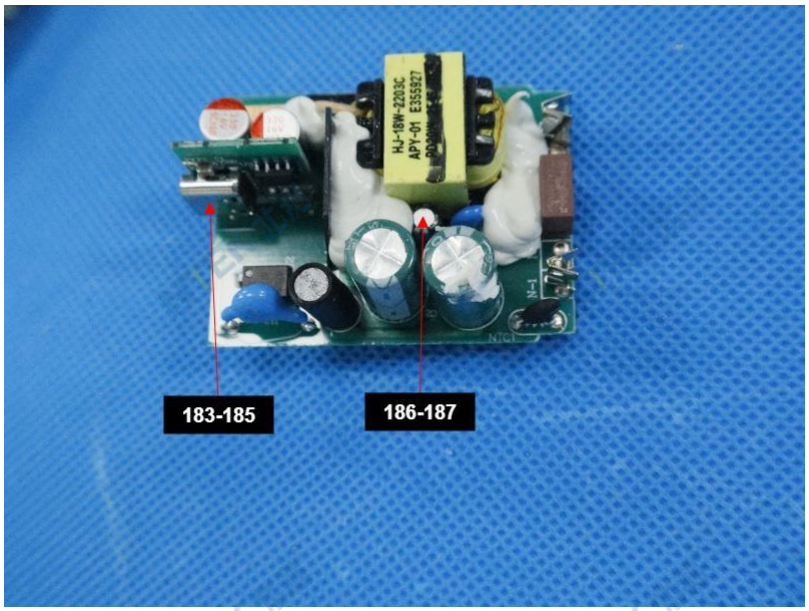

Fig.51

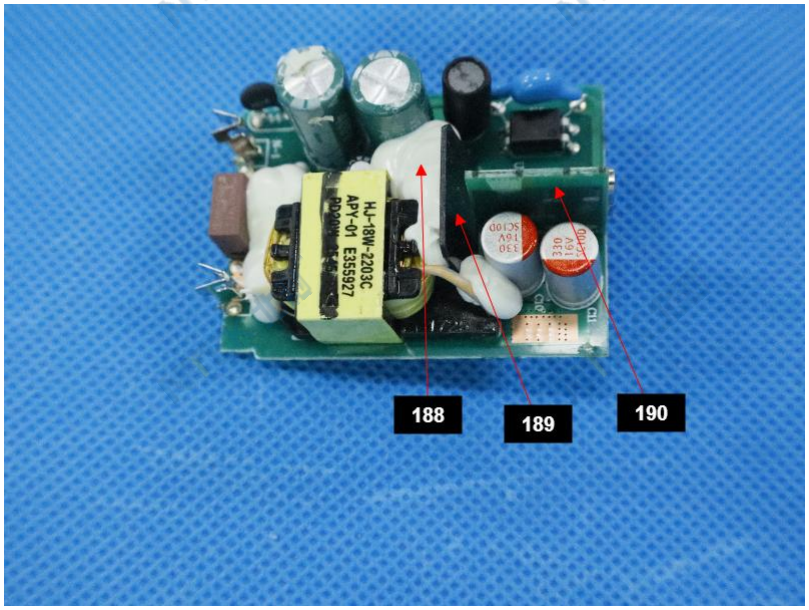

Fig.52

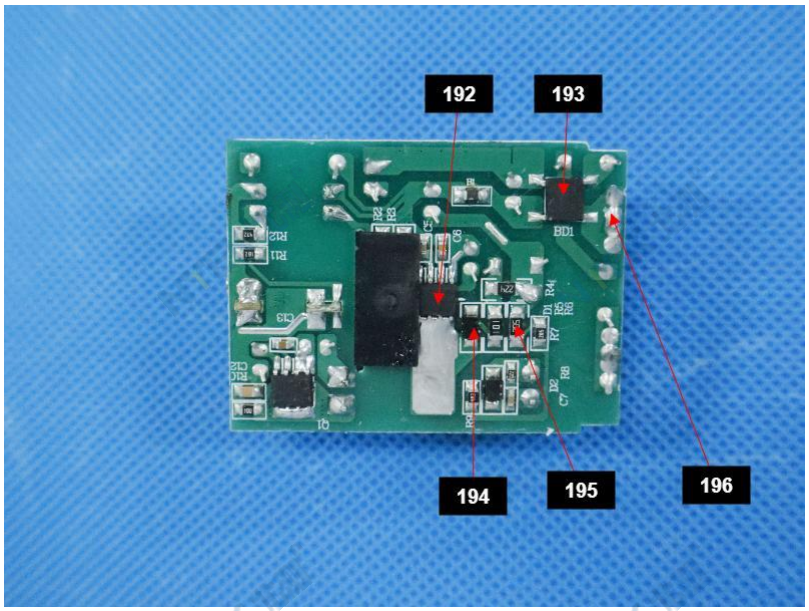

Fig.53

Fig.54

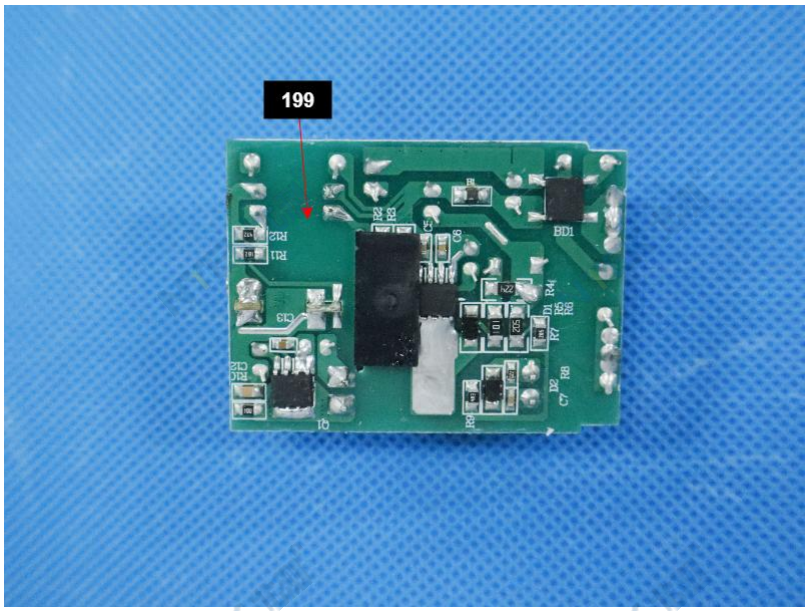

Fig.55

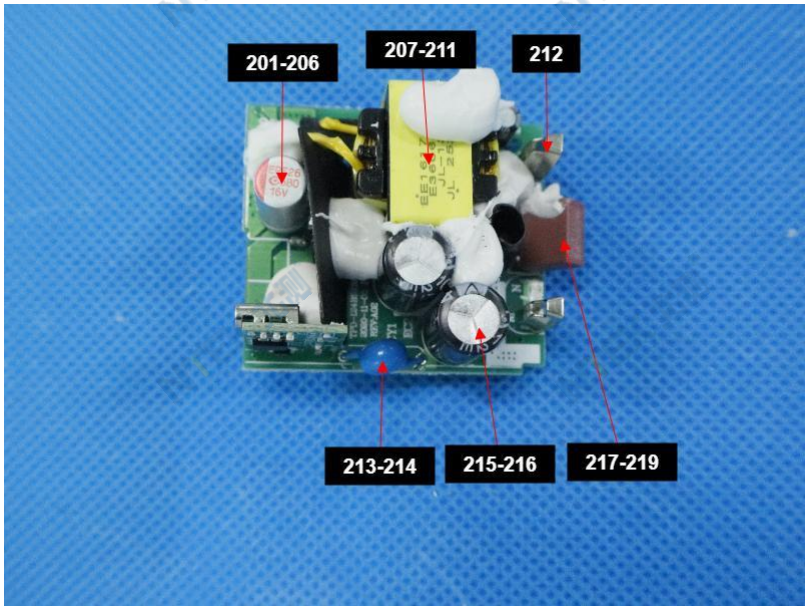

Fig.56

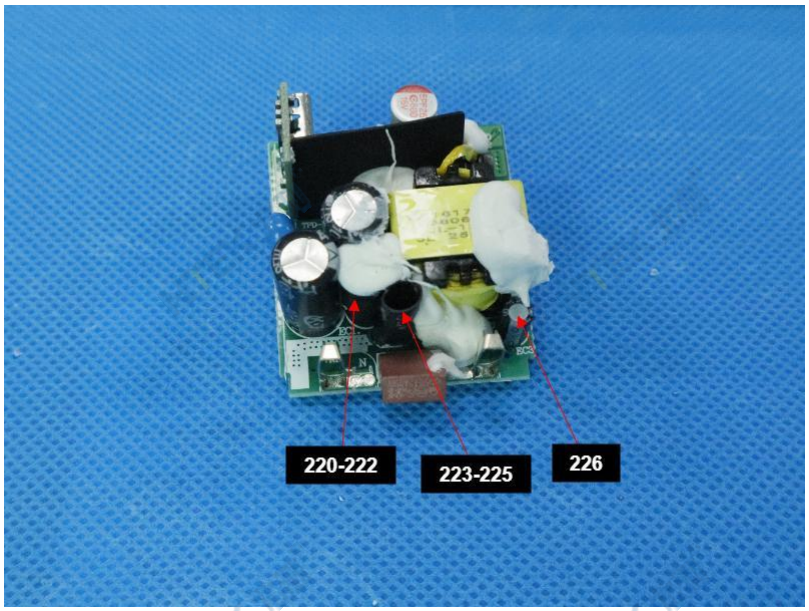

Fig.57

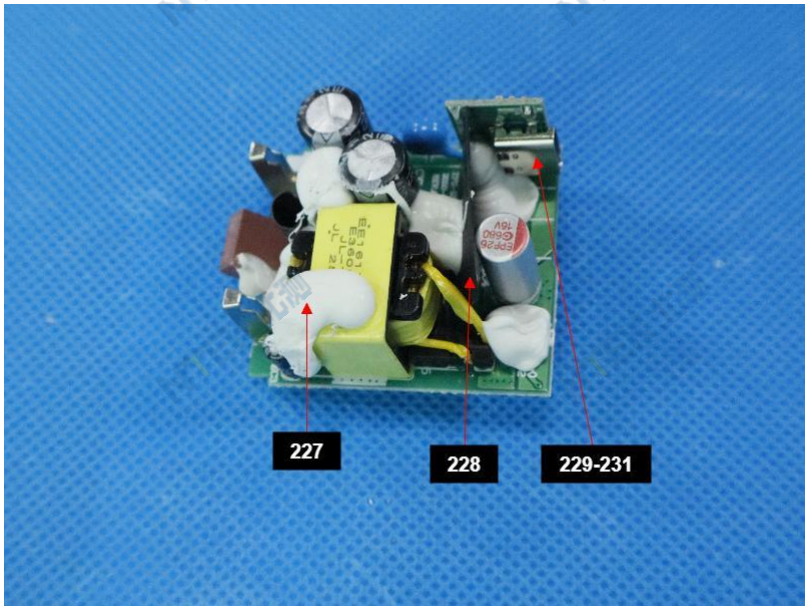

Fig.58

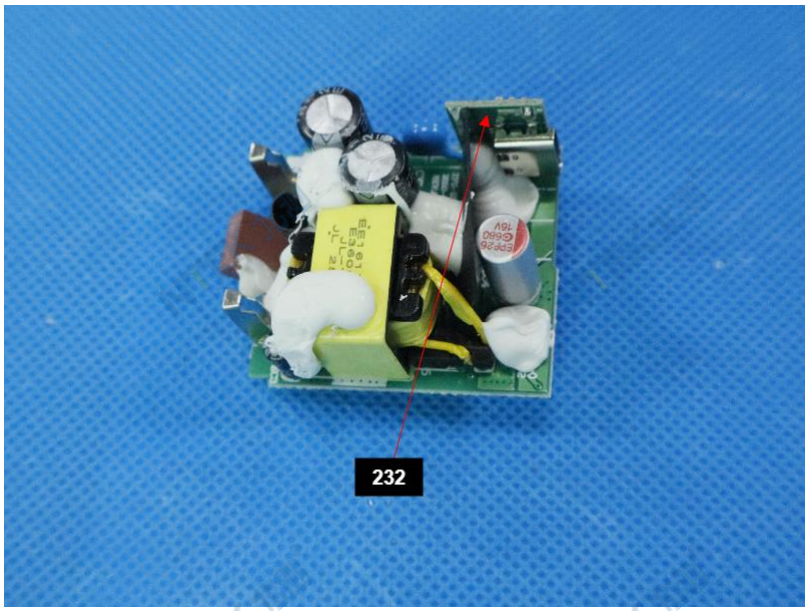

Fig.59

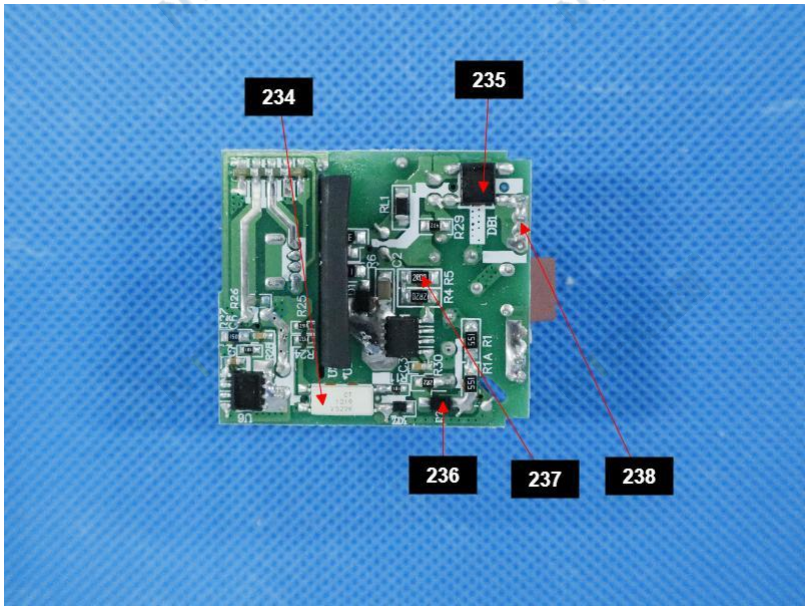

Fig.60

Fig.61

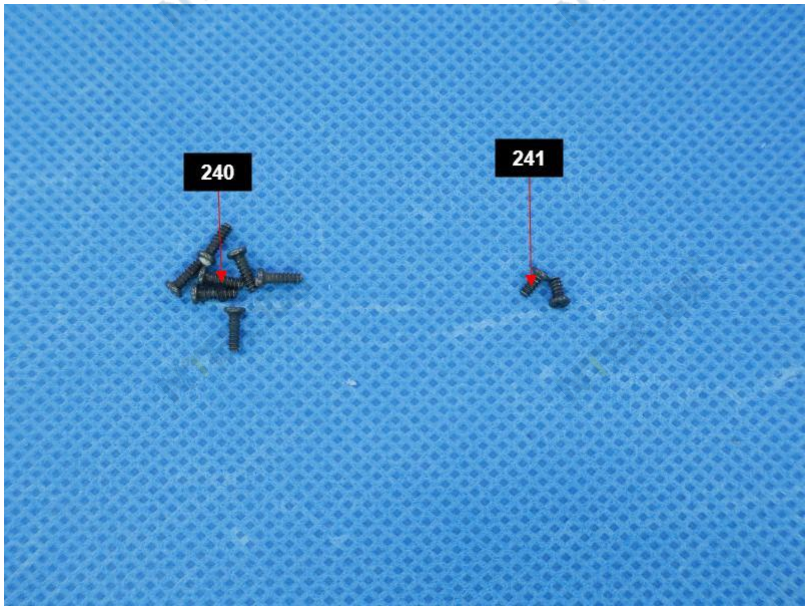

Fig.62

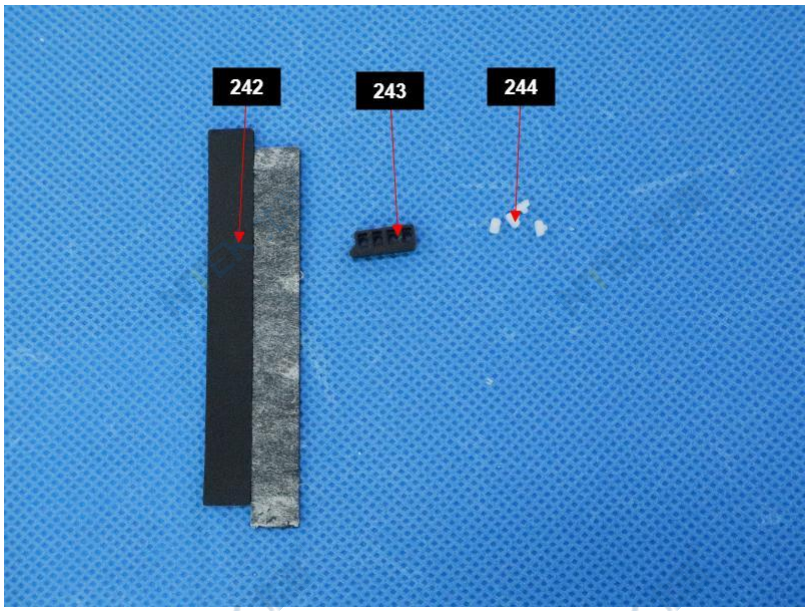

Fig.63

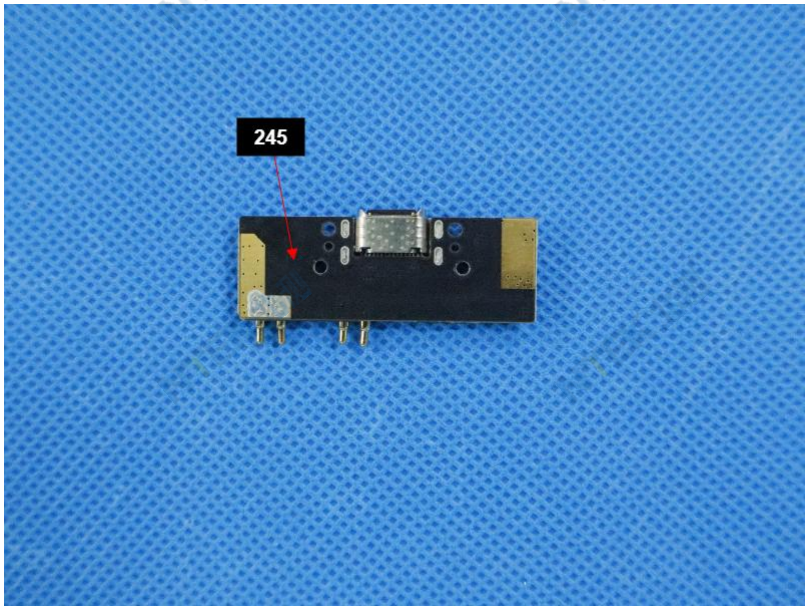

Fig.64

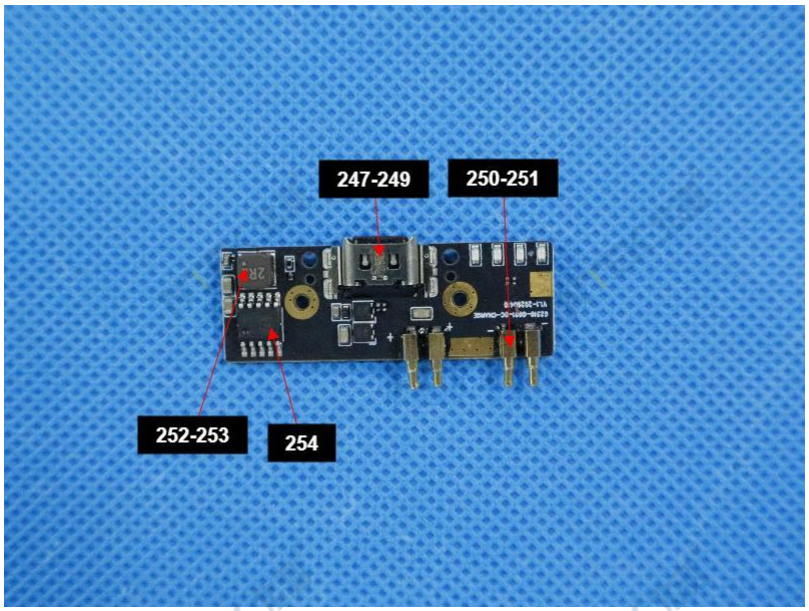

Fig.65

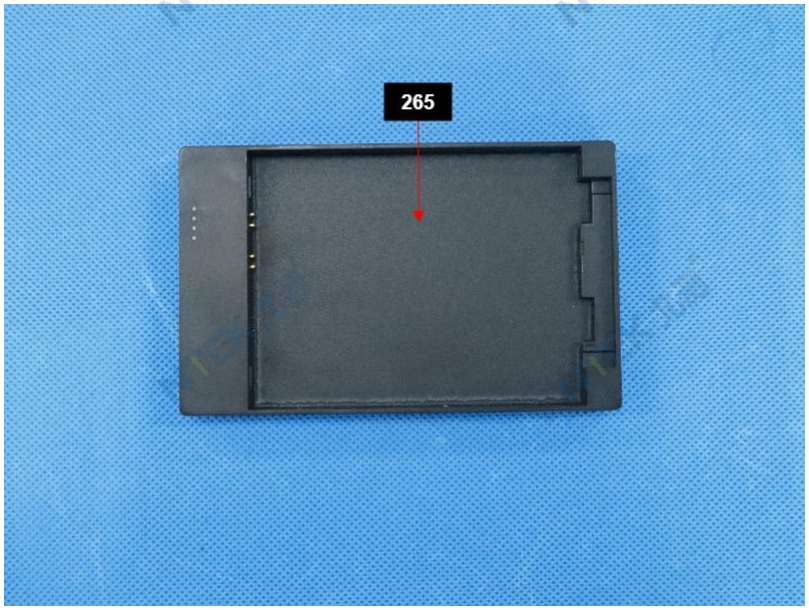

Fig.66

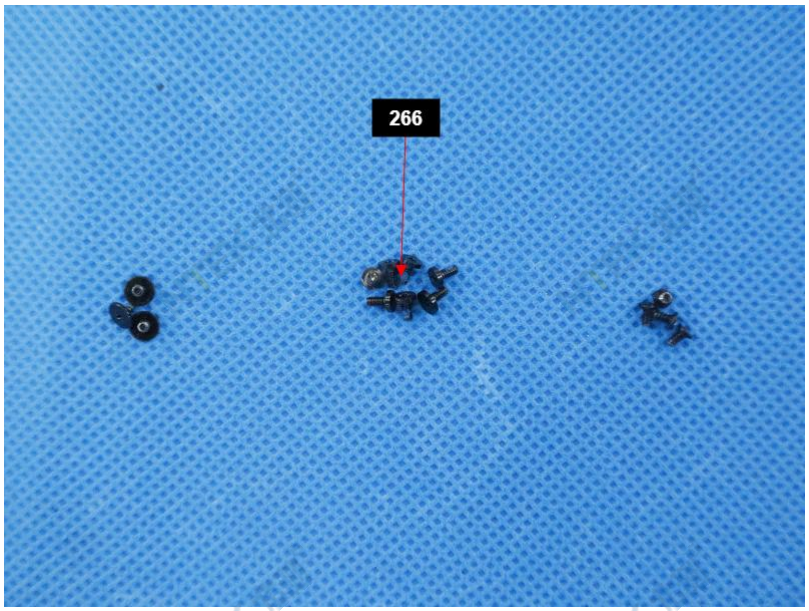

Fig.67

****End of Report****

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