



TEST REPORT

Report No.: HX201410392

Applicant: SHENZHEN TOPWAY TECHNOLOGY CO.,LTD
Address: Bld.20, Zone 5, Baiwangxin Industry Park, Songbai Road, Nanshan Dist., Shenzhen,PRC

Report on the submitted sample(s) said to be:

Name: TFT_LCM
Type/Model: LMT070DICFWD-AGB
Country of Origin: CHINA
Buyer: -----
Supplier: -----

Date of Receipt: Dec.4, 2014 Test period: Dec.4, 2014 – Dec.10, 2014

Test Request: In accordance with RoHS Directive 2011/65/EU and its amendment directives

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

Conclusion: Based on the performed tests on submitted samples as specified by applicant, the test results of Lead, Mercury, Cadmium, Hexavalent chromium, Polybrominated biphenyls (PBB), Polybrominated diphenyl ethers (PBDE) **comply with** the limits as set by RoHS Directive 2011/65/EU and its amendment directives.

Tested by Ray Cai Reviewed by Kevin Ren Approved by Hailan Wang

Seal of:

GUANGZHOU GRG METROLOGY & TEST CO., LTD.
Issue date: Dec.10, 2014

This test report is responsible for the tested samples only. Without permission of the test center this test report is not permitted to be duplicated in extracts. The test report is invalid without the official stamp of GUANGZHOU GRG METROLOGY & TEST CO., LTD. The test report is invalid if altered. Objections to the test report must be submitted to GUANGZHOU GRG METROLOGY & TEST CO., LTD. within 15 days.

GUANGZHOU GRG METROLOGY & TEST CO., LTD.

Address: 163 Pingyun Road West of Huangpu Avenue Tianhe District Guangzhou City, 510656, P. R. China
Tel: +86-020-66664900 FAX: +86-020-38698685 <http://www.grgtest.com>

TEST REPORT

Report No.: HX201410392

Test Result:

Test Methods:

Test Item(s)	Test method	Measuring instrument	MDL	Limit
Pb, Cd, Hg, Total Cr, Total Br	IEC 62321-3-1: 2013 Ed. 1.0	XRF	20 mg/kg	/
Lead (Pb)	IEC 62321-5: 2013 Ed. 1.0	ICP-OES/AAS	2 mg/kg	1000 mg/kg
Cadmium (Cd)	IEC 62321-5: 2013 Ed. 1.0	ICP-OES/AAS	2 mg/kg	100mg/kg
Mercury (Hg)	IEC 62321-4: 2013 Ed. 1.0	ICP-OES	2 mg/kg	1000 mg/kg
Hexavalent Chromium [Cr(VI)]	IEC 62321:2008,Annex C	UV-VIS	5 mg/kg	1000 mg/kg
	IEC 62321:2008,Annex B	UV-VIS	/	/
PBBs & PBDEs	IEC 62321:2008,Annex A	GC-MS	10 mg/kg	1000 mg/kg

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No.	Sample Description	Restricted Substances	Results of XRF	Result of Wet Chemical Testing(mg/kg)	Conclusion on RoHS
1	Grey surfaced metal shell	Pb	BL	/	Comply
		Cd	BL	/	Comply
		Hg	BL	/	Comply
		Cr(VI)	BL	/	Comply
		PBBs	/	/	/
		PBDEs		/	/
2	Green"PCB"	Pb	BL	/	Comply
		Cd	BL	/	Comply
		Hg	BL	/	Comply
		Cr(VI)	BL	/	Comply
		PBBs	IN	N.D.	Comply
		PBDEs		N.D.	Comply
3	Black plastic button	Pb	BL	/	Comply
		Cd	BL	/	Comply
		Hg	BL	/	Comply
		Cr(VI)	BL	/	Comply
		PBBs	BL	/	Comply
		PBDEs		/	Comply
4	Silvery metal sheet	Pb	BL	/	Comply
		Cd	BL	/	Comply
		Hg	BL	/	Comply
		Cr(VI)	BL	/	Comply
		PBBs	/	/	/
		PBDEs		/	/
5	Silvery metal part	Pb	BL	/	Comply
		Cd	BL	/	Comply
		Hg	BL	/	Comply
		Cr(VI)	IN	Negative	Comply
		PBBs	/	/	/
		PBDEs		/	/
6	Black plastic base	Pb	BL	/	Comply
		Cd	BL	/	Comply
		Hg	BL	/	Comply
		Cr(VI)	BL	/	Comply
		PBBs	BL	/	Comply
		PBDEs		/	Comply
7	Silvery metal pin	Pb	BL	/	Comply
		Cd	BL	/	Comply
		Hg	BL	/	Comply
		Cr(VI)	BL	/	Comply
		PBBs	/	/	/
		PBDEs		/	/

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8	Black body(D2)	Pb	BL	/	Comply
		Cd	BL	/	Comply
		Hg	BL	/	Comply
		Cr(VI)	BL	/	Comply
		PBBs	BL	/	Comply
		PBDEs		/	Comply
9	Black body(D14)	Pb	BL	/	Comply
		Cd	BL	/	Comply
		Hg	BL	/	Comply
		Cr(VI)	BL	/	Comply
		PBBs	BL	/	Comply
		PBDEs		/	Comply
10	Black body(DP1)	Pb	BL	/	Comply
		Cd	BL	/	Comply
		Hg	BL	/	Comply
		Cr(VI)	BL	/	Comply
		PBBs	BL	/	Comply
		PBDEs		/	Comply
11	Dk-grey core(L1)	Pb	BL	/	Comply
		Cd	BL	/	Comply
		Hg	BL	/	Comply
		Cr(VI)	BL	/	Comply
		PBBs	/	/	/
		PBDEs		/	/
12	Copper-colored metal wire	Pb	BL	/	Comply
		Cd	BL	/	Comply
		Hg	BL	/	Comply
		Cr(VI)	BL	/	Comply
		PBBs	/	/	/
		PBDEs		/	/
13	Black body (L3)	Pb	BL	/	Comply
		Cd	BL	/	Comply
		Hg	BL	/	Comply
		Cr(VI)	BL	/	Comply
		PBBs	BL	/	Comply
		PBDEs		/	Comply
14	Black body with white printing(F1)	Pb	BL	/	Comply
		Cd	BL	/	Comply
		Hg	BL	/	Comply
		Cr(VI)	BL	/	Comply
		PBBs	BL	/	Comply
		PBDEs		/	Comply

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No.	Sample Description	Restricted Substances	Results of XRF	Result of Wet Chemical Testing(mg/kg)	Conclusion on RoHS
15	Brown body	Pb	BL	/	Comply
		Cd	BL	/	Comply
		Hg	BL	/	Comply
		Cr(VI)	BL	/	Comply
		PBBs	BL	/	Comply
		PBDEs		/	Comply
16	Black body with white printing(R43)	Pb	IN	575	Comply
		Cd	BL	/	Comply
		Hg	BL	/	Comply
		Cr(VI)	BL	/	Comply
		PBBs	BL	/	Comply
		PBDEs		/	Comply
17	Black body	Pb	BL	/	Comply
		Cd	BL	/	Comply
		Hg	BL	/	Comply
		Cr(VI)	BL	/	Comply
		PBBs	BL	/	Comply
		PBDEs		/	Comply
18	Brown body(C9)	Pb	BL	/	Comply
		Cd	BL	/	Comply
		Hg	BL	/	Comply
		Cr(VI)	BL	/	Comply
		PBBs	BL	/	Comply
		PBDEs		/	Comply
19	Black body (U6)	Pb	BL	/	Comply
		Cd	BL	/	Comply
		Hg	BL	/	Comply
		Cr(VI)	BL	/	Comply
		PBBs	BL	/	Comply
		PBDEs		/	Comply
20	Black body (U5)	Pb	BL	/	Comply
		Cd	BL	/	Comply
		Hg	BL	/	Comply
		Cr(VI)	BL	/	Comply
		PBBs	BL	/	Comply
		PBDEs		/	Comply
21	Black body with white printing(C2)	Pb	BL	/	Comply
		Cd	BL	/	Comply
		Hg	BL	/	Comply
		Cr(VI)	BL	/	Comply
		PBBs	IN	N.D.	Comply
		PBDEs		N.D.	Comply

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22	Black body	Pb	BL	/	Comply
		Cd	BL	/	Comply
		Hg	BL	/	Comply
		Cr(VI)	BL	/	Comply
		PBBs	BL	/	Comply
		PBDEs		/	Comply
23	Black body	Pb	BL	/	Comply
		Cd	BL	/	Comply
		Hg	BL	/	Comply
		Cr(VI)	BL	/	Comply
		PBBs	BL	/	Comply
		PBDEs		/	Comply
24	Black body	Pb	BL	/	Comply
		Cd	BL	/	Comply
		Hg	BL	/	Comply
		Cr(VI)	BL	/	Comply
		PBBs	BL	/	Comply
		PBDEs		/	Comply
25	Black body(U3)	Pb	BL	/	Comply
		Cd	BL	/	Comply
		Hg	BL	/	Comply
		Cr(VI)	BL	/	Comply
		PBBs	IN	N.D.	Comply
		PBDEs		N.D.	Comply
26	Black body	Pb	BL	/	Comply
		Cd	BL	/	Comply
		Hg	BL	/	Comply
		Cr(VI)	BL	/	Comply
		PBBs	BL	/	Comply
		PBDEs		/	Comply
27	White body(LED)	Pb	BL	/	Comply
		Cd	BL	/	Comply
		Hg	BL	/	Comply
		Cr(VI)	BL	/	Comply
		PBBs	BL	/	Comply
		PBDEs		/	Comply
28	Black body(D1)	Pb	BL	/	Comply
		Cd	BL	/	Comply
		Hg	BL	/	Comply
		Cr(VI)	BL	/	Comply
		PBBs	IN	N.D.	Comply
		PBDEs		N.D.	Comply

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No.	Sample Description	Restricted Substances	Results of XRF	Result of Wet Chemical Testing(mg/kg)	Conclusion on RoHS
29	Silvery body	Pb	BL	/	Comply
		Cd	BL	/	Comply
		Hg	BL	/	Comply
		Cr(VI)	BL	/	Comply
		PBBs	BL	/	Comply
		PBDEs		/	Comply
30	Black plastic sheet	Pb	BL	/	Comply
		Cd	BL	/	Comply
		Hg	BL	/	Comply
		Cr(VI)	BL	/	Comply
		PBBs	BL	/	Comply
		PBDEs		/	Comply
31	Silvery metal pin	Pb	BL	/	Comply
		Cd	BL	/	Comply
		Hg	BL	/	Comply
		Cr(VI)	BL	/	Comply
		PBBs	/	/	/
		PBDEs		/	/
32	Black plastic sheet	Pb	BL	/	Comply
		Cd	BL	/	Comply
		Hg	BL	/	Comply
		Cr(VI)	BL	/	Comply
		PBBs	BL	/	Comply
		PBDEs		/	Comply
33	White plastic sheet	Pb	BL	/	Comply
		Cd	BL	/	Comply
		Hg	BL	/	Comply
		Cr(VI)	BL	/	Comply
		PBBs	IN	N.D.	Comply
		PBDEs		N.D.	Comply
34	Silvery metal part	Pb	BL	/	Comply
		Cd	BL	/	Comply
		Hg	BL	/	Comply
		Cr(VI)	BL	/	Comply
		PBBs	/	/	/
		PBDEs		/	/
35	Silvery metal pin	Pb	BL	/	Comply
		Cd	BL	/	Comply
		Hg	BL	/	Comply
		Cr(VI)	BL	/	Comply
		PBBs	/	/	/
		PBDEs		/	/

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36	Black plastic part	Pb	BL	/	Comply
		Cd	BL	/	Comply
		Hg	BL	/	Comply
		Cr(VI)	BL	/	Comply
		PBBs	IN	N.D.	Comply
		PBDEs		N.D.	Comply
37	Silvery metal pin	Pb	BL	/	Comply
		Cd	BL	/	Comply
		Hg	BL	/	Comply
		Cr(VI)	BL	/	Comply
		PBBs	/	/	/
		PBDEs		/	/
38	White plastic shell	Pb	BL	/	Comply
		Cd	BL	/	Comply
		Hg	BL	/	Comply
		Cr(VI)	BL	/	Comply
		PBBs	IN	N.D.	Comply
		PBDEs		N.D.	Comply
39	Silvery metal pin	Pb	BL	/	Comply
		Cd	BL	/	Comply
		Hg	BL	/	Comply
		Cr(VI)	BL	/	Comply
		PBBs	/	/	/
		PBDEs		/	/
40	Black plastic sheet	Pb	BL	/	Comply
		Cd	BL	/	Comply
		Hg	BL	/	Comply
		Cr(VI)	BL	/	Comply
		PBBs	BL	/	Comply
		PBDEs		/	Comply
41	White plastic sheet	Pb	BL	/	Comply
		Cd	BL	/	Comply
		Hg	BL	/	Comply
		Cr(VI)	BL	/	Comply
		PBBs	IN	N.D.	Comply
		PBDEs		N.D.	Comply
42	Silvery metal part	Pb	BL	/	Comply
		Cd	BL	/	Comply
		Hg	BL	/	Comply
		Cr(VI)	BL	/	Comply
		PBBs	/	/	/
		PBDEs		/	/

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43	Silvery metal pin	Pb	BL	/	Comply
		Cd	BL	/	Comply
		Hg	BL	/	Comply
		Cr(VI)	BL	/	Comply
		PBBs	/	/	/
		PBDEs		/	/
44	Black double-side adhesive plastic tape	Pb	BL	/	Comply
		Cd	BL	/	Comply
		Hg	BL	/	Comply
		Cr(VI)	BL	/	Comply
		PBBs	BL	/	Comply
		PBDEs		/	Comply
45	Black adhesive foam	Pb	BL	/	Comply
		Cd	BL	/	Comply
		Hg	BL	/	Comply
		Cr(VI)	BL	/	Comply
		PBBs	BL	/	Comply
		PBDEs		/	Comply
46	Black double-side adhesive plastic sheet	Pb	BL	/	Comply
		Cd	BL	/	Comply
		Hg	BL	/	Comply
		Cr(VI)	BL	/	Comply
		PBBs	BL	/	Comply
		PBDEs		/	Comply
47	Black adhesive plastic tape	Pb	BL	/	Comply
		Cd	BL	/	Comply
		Hg	BL	/	Comply
		Cr(VI)	BL	/	Comply
		PBBs	IN	N.D.	Comply
		PBDEs		N.D.	Comply
48	Brown transparent adhesive plastic tape	Pb	BL	/	Comply
		Cd	BL	/	Comply
		Hg	BL	/	Comply
		Cr(VI)	BL	/	Comply
		PBBs	BL	/	Comply
		PBDEs		/	Comply
49	Transparent adhesive plastic sheet	Pb	BL	/	Comply
		Cd	BL	/	Comply
		Hg	BL	/	Comply
		Cr(VI)	BL	/	Comply
		PBBs	BL	/	Comply
		PBDEs		/	Comply

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No.	Sample Description	Restricted Substances	Results of XRF	Result of Wet Chemical Testing(mg/kg)	Conclusion on RoHS
50	Green plastic sheet	Pb	BL	/	Comply
		Cd	BL	/	Comply
		Hg	BL	/	Comply
		Cr(VI)	BL	/	Comply
		PBBs	BL	/	Comply
		PBDEs		/	Comply
51	Green"PCB"	Pb	BL	/	Comply
		Cd	BL	/	Comply
		Hg	BL	/	Comply
		Cr(VI)	BL	/	Comply
		PBBs	IN	N.D.	Comply
		PBDEs		N.D.	Comply
52	White plastic shell	Pb	BL	/	Comply
		Cd	BL	/	Comply
		Hg	BL	/	Comply
		Cr(VI)	BL	/	Comply
		PBBs	IN	N.D.	Comply
		PBDEs		N.D.	Comply
53	Black body(U1)	Pb	BL	/	Comply
		Cd	BL	/	Comply
		Hg	BL	/	Comply
		Cr(VI)	BL	/	Comply
		PBBs	BL	/	Comply
		PBDEs		/	Comply
54	Black body(U4)	Pb	BL	/	Comply
		Cd	BL	/	Comply
		Hg	BL	/	Comply
		Cr(VI)	BL	/	Comply
		PBBs	BL	/	Comply
		PBDEs		/	Comply
55	Black body(U5)	Pb	BL	/	Comply
		Cd	BL	/	Comply
		Hg	BL	/	Comply
		Cr(VI)	BL	/	Comply
		PBBs	BL	/	Comply
		PBDEs		/	Comply
56	Black body(U2)	Pb	BL	/	Comply
		Cd	BL	/	Comply
		Hg	BL	/	Comply
		Cr(VI)	BL	/	Comply
		PBBs	BL	/	Comply
		PBDEs		/	Comply

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57	Black plastic shell	Pb	BL	/	Comply
		Cd	BL	/	Comply
		Hg	BL	/	Comply
		Cr(VI)	BL	/	Comply
		PBBs	IN	N.D.	Comply
		PBDEs		N.D.	Comply
58	Black body(U7)	Pb	BL	/	Comply
		Cd	BL	/	Comply
		Hg	BL	/	Comply
		Cr(VI)	BL	/	Comply
		PBBs	BL	/	Comply
		PBDEs		/	Comply
59	Silvery metal pin(In No.52)	Pb	BL	/	Comply
		Cd	BL	/	Comply
		Hg	BL	/	Comply
		Cr(VI)	BL	/	Comply
		PBBs	/	/	/
		PBDEs		/	/
60	Silvery metal pin(In No.52)	Pb	BL	/	Comply
		Cd	BL	/	Comply
		Hg	BL	/	Comply
		Cr(VI)	BL	/	Comply
		PBBs	/	/	/
		PBDEs		/	/
61	Silvery metal part(In No.57)	Pb	BL	/	Comply
		Cd	BL	/	Comply
		Hg	BL	/	Comply
		Cr(VI)	BL	/	Comply
		PBBs	/	/	/
		PBDEs		/	/
62	Brown body(C5)	Pb	BL	/	Comply
		Cd	BL	/	Comply
		Hg	BL	/	Comply
		Cr(VI)	BL	/	Comply
		PBBs	BL	/	Comply
		PBDEs		/	Comply
63	White body(D5)	Pb	BL	/	Comply
		Cd	BL	/	Comply
		Hg	BL	/	Comply
		Cr(VI)	BL	/	Comply
		PBBs	BL	/	Comply
		PBDEs		/	Comply

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No.	Sample Description	Restricted Substances	Results of XRF	Result of Wet Chemical Testing(mg/kg)	Conclusion on RoHS
64	White adhesive paper sheet with black printing	Pb	BL	/	Comply
		Cd	BL	/	Comply
		Hg	BL	/	Comply
		Cr(VI)	BL	/	Comply
		PBBs	BL	/	Comply
		PBDEs		/	Comply
65	White adhesive paper sheet with black printing	Pb	BL	/	Comply
		Cd	BL	/	Comply
		Hg	BL	/	Comply
		Cr(VI)	BL	/	Comply
		PBBs	BL	/	Comply
		PBDEs		/	Comply
66	White adhesive paper sheet with black printing	Pb	BL	/	Comply
		Cd	BL	/	Comply
		Hg	BL	/	Comply
		Cr(VI)	BL	/	Comply
		PBBs	BL	/	Comply
		PBDEs		/	Comply
67	Silvery metal solder	Pb	BL	/	Comply
		Cd	BL	/	Comply
		Hg	BL	/	Comply
		Cr(VI)	BL	/	Comply
		PBBs	/	/	/
		PBDEs		/	/
68	Black adhesive foam	Pb	BL	/	Comply
		Cd	BL	/	Comply
		Hg	BL	/	Comply
		Cr(VI)	BL	/	Comply
		PBBs	BL	/	Comply
		PBDEs		/	Comply
69	Transparent plastic sheet	Pb	BL	/	Comply
		Cd	BL	/	Comply
		Hg	BL	/	Comply
		Cr(VI)	BL	/	Comply
		PBBs	BL	/	Comply
		PBDEs		/	Comply
70	Transparent glass	Pb	BL	/	Comply
		Cd	BL	/	Comply
		Hg	BL	/	Comply
		Cr(VI)	BL	/	Comply
		PBBs	BL	/	Comply
		PBDEs		/	Comply

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No.	Sample Description	Restricted Substances	Results of XRF	Result of Wet Chemical Testing(mg/kg)	Conclusion on RoHS
71	Brown"FPC"	Pb	BL	/	Comply
		Cd	BL	/	Comply
		Hg	BL	/	Comply
		Cr(VI)	BL	/	Comply
		PBBs	BL	/	Comply
		PBDEs		/	Comply
72	Dk-grey translucent adhesive plastic sheet	Pb	BL	/	Comply
		Cd	BL	/	Comply
		Hg	BL	/	Comply
		Cr(VI)	BL	/	Comply
		PBBs	BL	/	Comply
		PBDEs		/	Comply
73	Brown"FPC"	Pb	BL	/	Comply
		Cd	BL	/	Comply
		Hg	BL	/	Comply
		Cr(VI)	BL	/	Comply
		PBBs	BL	/	Comply
		PBDEs		/	Comply
74	Dk-grey translucent glass with liquid	Pb	BL	/	Comply
		Cd	BL	/	Comply
		Hg	BL	/	Comply
		Cr(VI)	BL	/	Comply
		PBBs	BL	/	Comply
		PBDEs		/	Comply
75	Transparent glass with liquid	Pb	BL	/	Comply
		Cd	BL	/	Comply
		Hg	BL	/	Comply
		Cr(VI)	BL	/	Comply
		PBBs	BL	/	Comply
		PBDEs		/	Comply
76	Dk-brown plastic sheet	Pb	BL	/	Comply
		Cd	BL	/	Comply
		Hg	BL	/	Comply
		Cr(VI)	BL	/	Comply
		PBBs	BL	/	Comply
		PBDEs		/	Comply
77	Black glue	Pb	BL	/	Comply
		Cd	BL	/	Comply
		Hg	BL	/	Comply
		Cr(VI)	BL	/	Comply
		PBBs	BL	/	Comply
		PBDEs		/	Comply

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No.	Sample Description	Restricted Substances	Results of XRF	Result of Wet Chemical Testing(mg/kg)	Conclusion on RoHS
78	Silvery material	Pb	BL	/	Comply
		Cd	BL	/	Comply
		Hg	BL	/	Comply
		Cr(VI)	BL	/	Comply
		PBBs	BL	/	Comply
		PBDEs		/	Comply
79	Silvery metal shell	Pb	BL	/	Comply
		Cd	BL	/	Comply
		Hg	BL	/	Comply
		Cr(VI)	IN	Negative	Comply
		PBBs	/	/	/
		PBDEs		/	/
80	White adhesive paper sheet with black & red printing	Pb	BL	/	Comply
		Cd	BL	/	Comply
		Hg	BL	/	Comply
		Cr(VI)	BL	/	Comply
		PBBs	BL	/	Comply
		PBDEs		/	Comply
81	White translucent plastic sheet	Pb	BL	/	Comply
		Cd	BL	/	Comply
		Hg	BL	/	Comply
		Cr(VI)	BL	/	Comply
		PBBs	BL	/	Comply
		PBDEs		/	Comply
82	Silvery translucent plastic sheet	Pb	BL	/	Comply
		Cd	BL	/	Comply
		Hg	BL	/	Comply
		Cr(VI)	BL	/	Comply
		PBBs	BL	/	Comply
		PBDEs		/	Comply
83	White plastic sheet	Pb	BL	/	Comply
		Cd	BL	/	Comply
		Hg	BL	/	Comply
		Cr(VI)	BL	/	Comply
		PBBs	BL	/	Comply
		PBDEs		/	Comply
84	Transparent plastic board	Pb	BL	/	Comply
		Cd	BL	/	Comply
		Hg	BL	/	Comply
		Cr(VI)	BL	/	Comply
		PBBs	BL	/	Comply
		PBDEs		/	Comply

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85	Transparent double-side adhesive plastic tape	Pb	BL	/	Comply
		Cd	BL	/	Comply
		Hg	BL	/	Comply
		Cr(VI)	BL	/	Comply
		PBBs	BL	/	Comply
		PBDEs		/	Comply
86	White "PCB"	Pb	BL	/	Comply
		Cd	BL	/	Comply
		Hg	BL	/	Comply
		Cr(VI)	BL	/	Comply
		PBBs	IN	N.D.	Comply
		PBDEs		N.D.	Comply
87	Yellow body(LED)	Pb	BL	/	Comply
		Cd	BL	/	Comply
		Hg	BL	/	Comply
		Cr(VI)	BL	/	Comply
		PBBs	BL	/	Comply
		PBDEs		/	Comply
88	Black plastic frame	Pb	BL	/	Comply
		Cd	BL	/	Comply
		Hg	BL	/	Comply
		Cr(VI)	BL	/	Comply
		PBBs	BL	/	Comply
		PBDEs		/	Comply

Remark:

(1) XRF result is on total Br while test item on restricted substances is PBBs/PBDEs. XRF result is on total Cr while test item on restricted substances is Cr(VI).

(2) The XRF result is for primary screening, and further chemical testing by ICP (for Cd, Pb, Hg), UV-VIS (for Cr(VI)) and GC/MS (for PBBs, PBDEs) is recommended to be performed, if the concentration exceeds the below warning value according to IEC 62321-3-1: 2013 (unit: mg/kg)

Element	Polymer	Metal	Composite Materials
Cd	$BL \leq (70-3\sigma) < X < (130+3\sigma) \leq OL$	$BL \leq (70-3\sigma) < X < (130+3\sigma) \leq OL$	$LOD < X < (150+3\sigma) \leq OL$
Pb	$BL \leq (700-3\sigma) < X < (1300+3\sigma) \leq OL$	$BL \leq (700-3\sigma) < X < (1300+3\sigma) \leq OL$	$BL \leq (500-3\sigma) < X < (1500+3\sigma) \leq OL$
Hg	$BL \leq (700-3\sigma) < X < (1300+3\sigma) \leq OL$	$BL \leq (700-3\sigma) < X < (1300+3\sigma) \leq OL$	$BL \leq (500-3\sigma) < X < (1500+3\sigma) \leq OL$
Br	$BL \leq (300-3\sigma) < X$	--	$BL \leq (250-3\sigma) < X$
Cr	$BL \leq (700-3\sigma) < X$	$BL \leq (700-3\sigma) < X$	$BL \leq (500-3\sigma) < X$

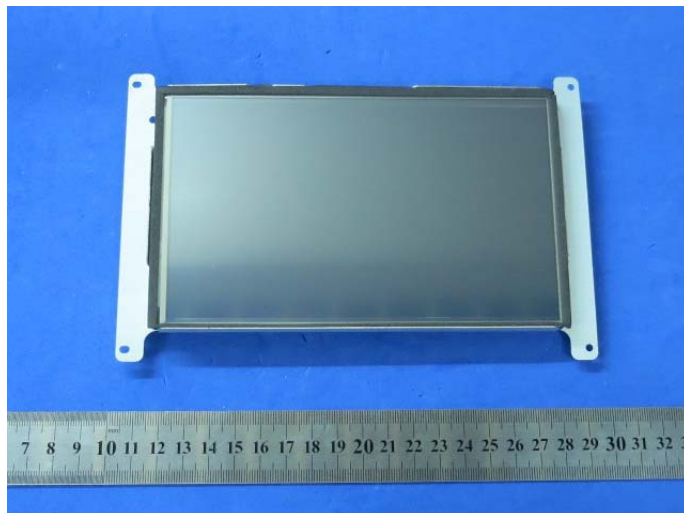
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- (3) mg/kg = ppm = 0.0001%;
(4) “/”= Not Conducted;
(5) IN = Inconclusive
(6) “N.D.”= Not Detected (Below Method Detection Limit);
(7) Negative = The detected Cr(VI) concentration in boiling solution is less than 0.02mg/kg with 50 cm² sample surface area.
Positive = The detected Cr(VI) concentration in boiling solution is equal or greater than 0.02mg/kg with 50 cm² sample surface area

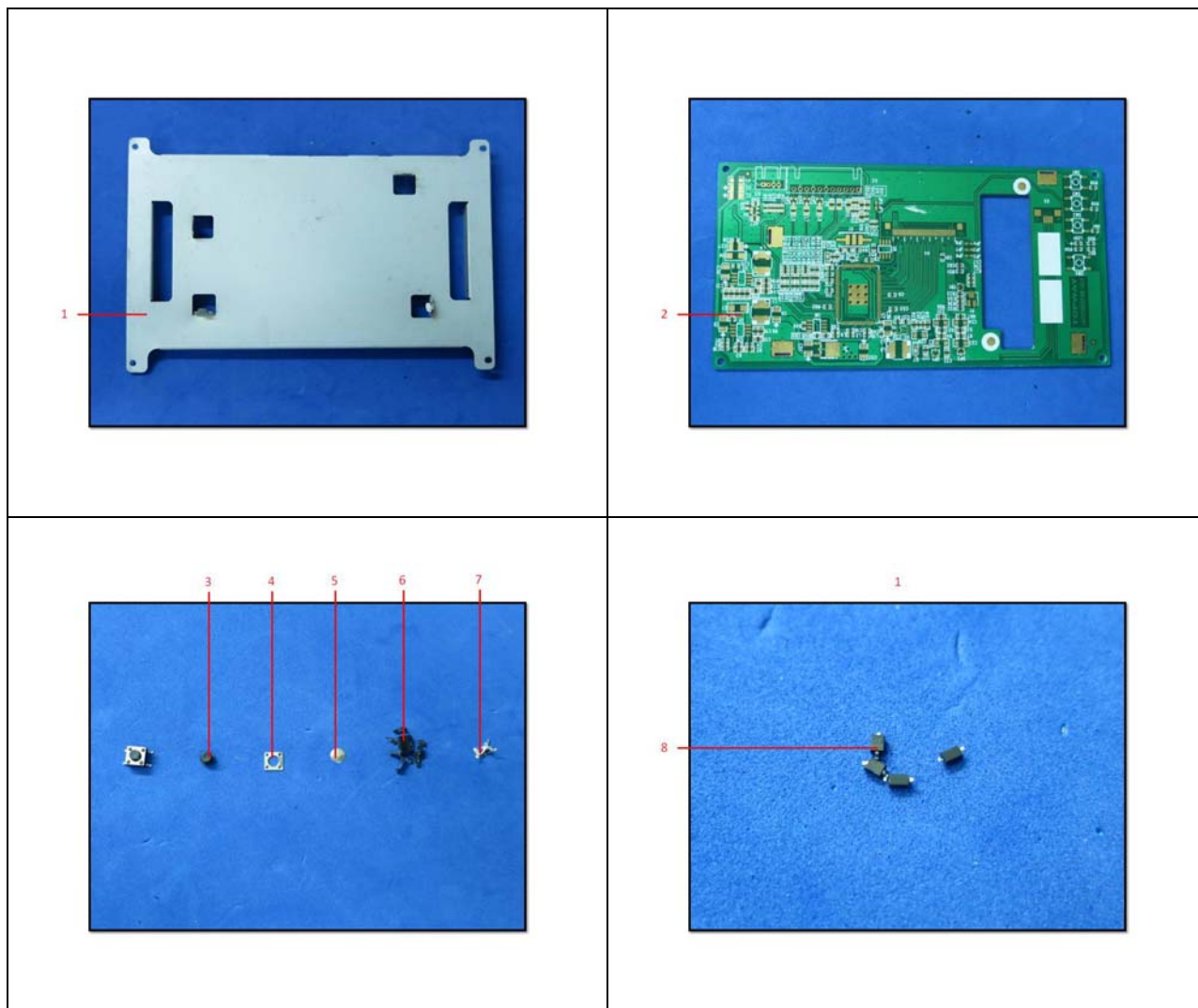
Photo of Sample**GUANGZHOU GRG METROLOGY & TEST CO., LTD.**

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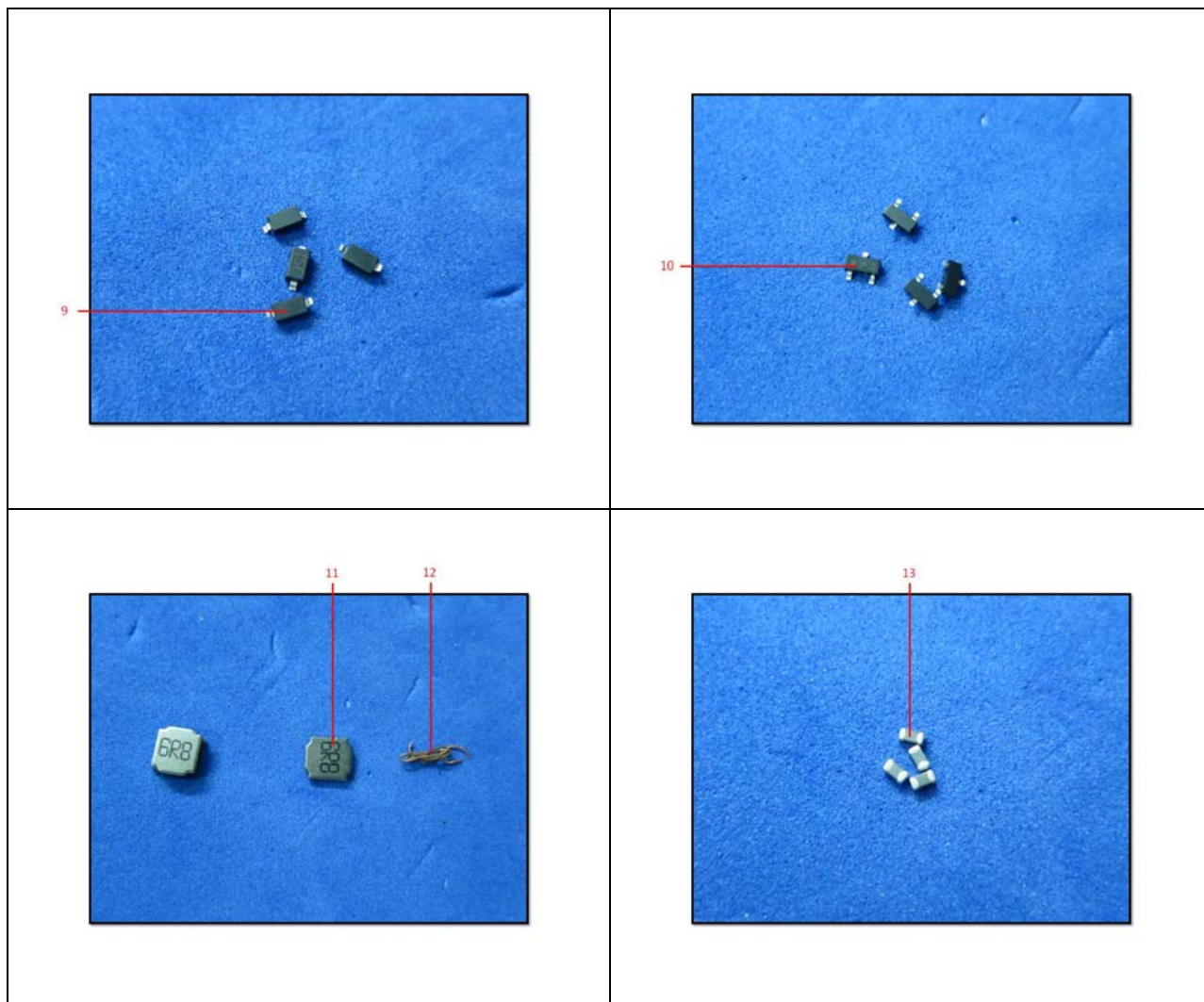
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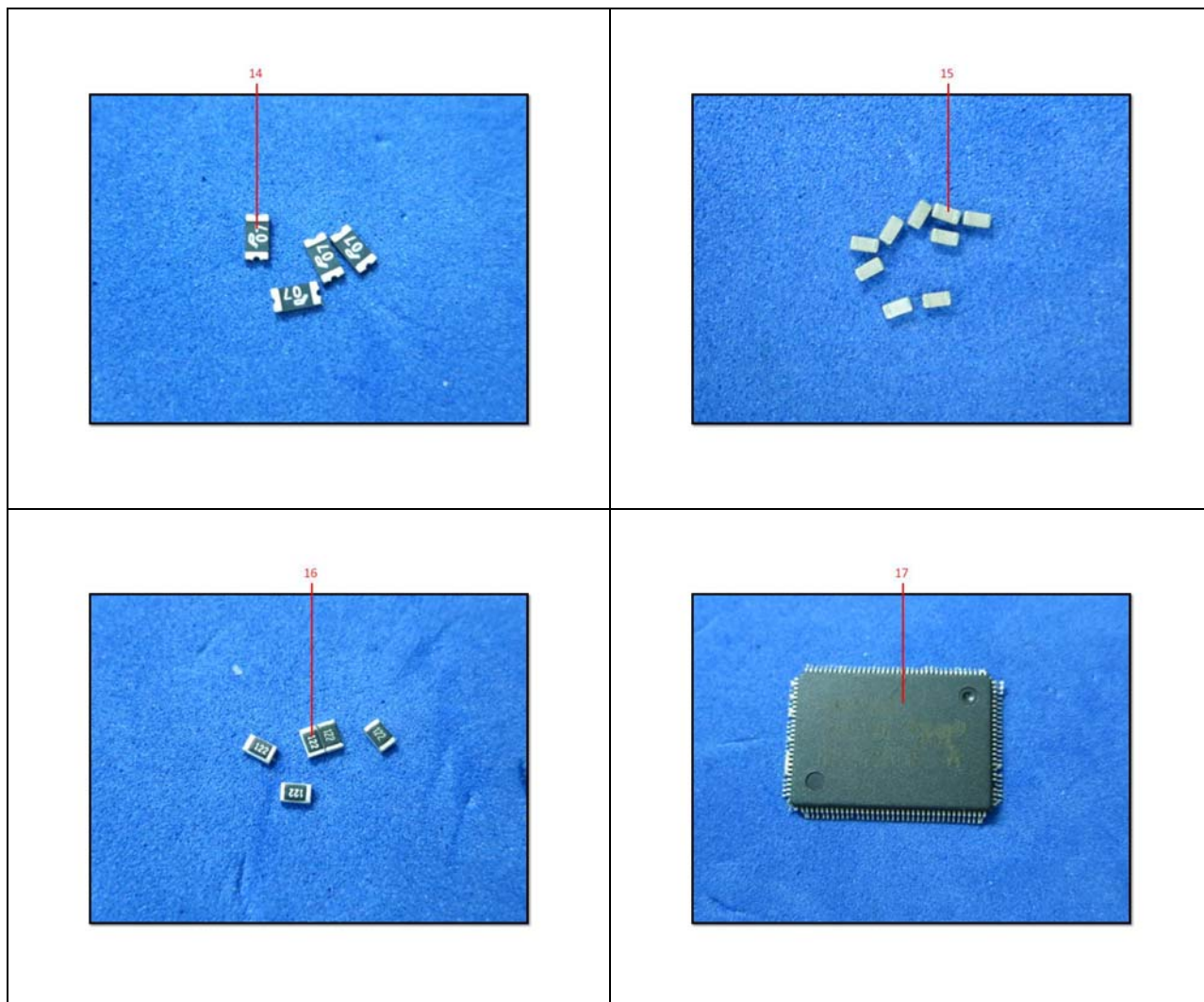
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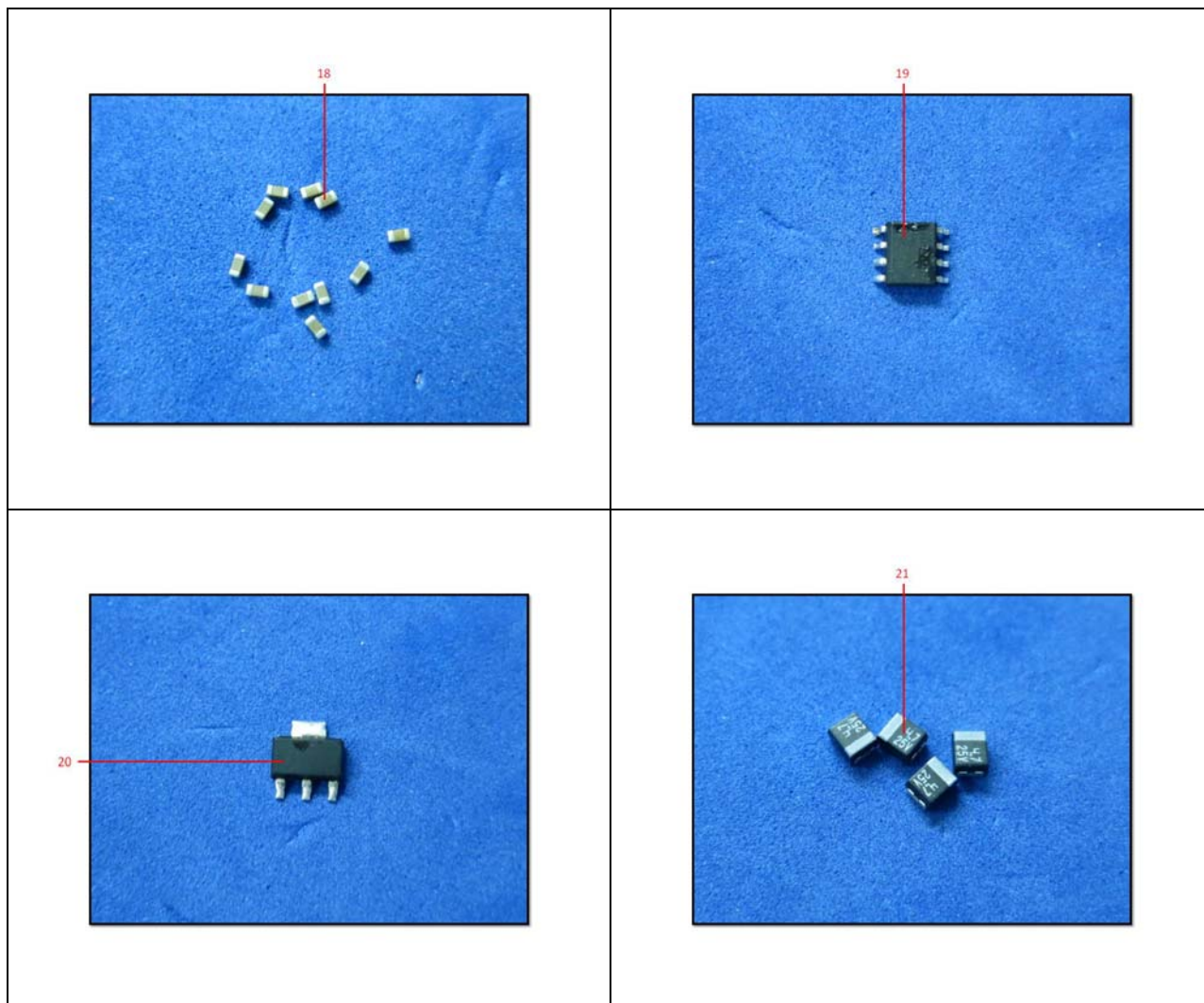
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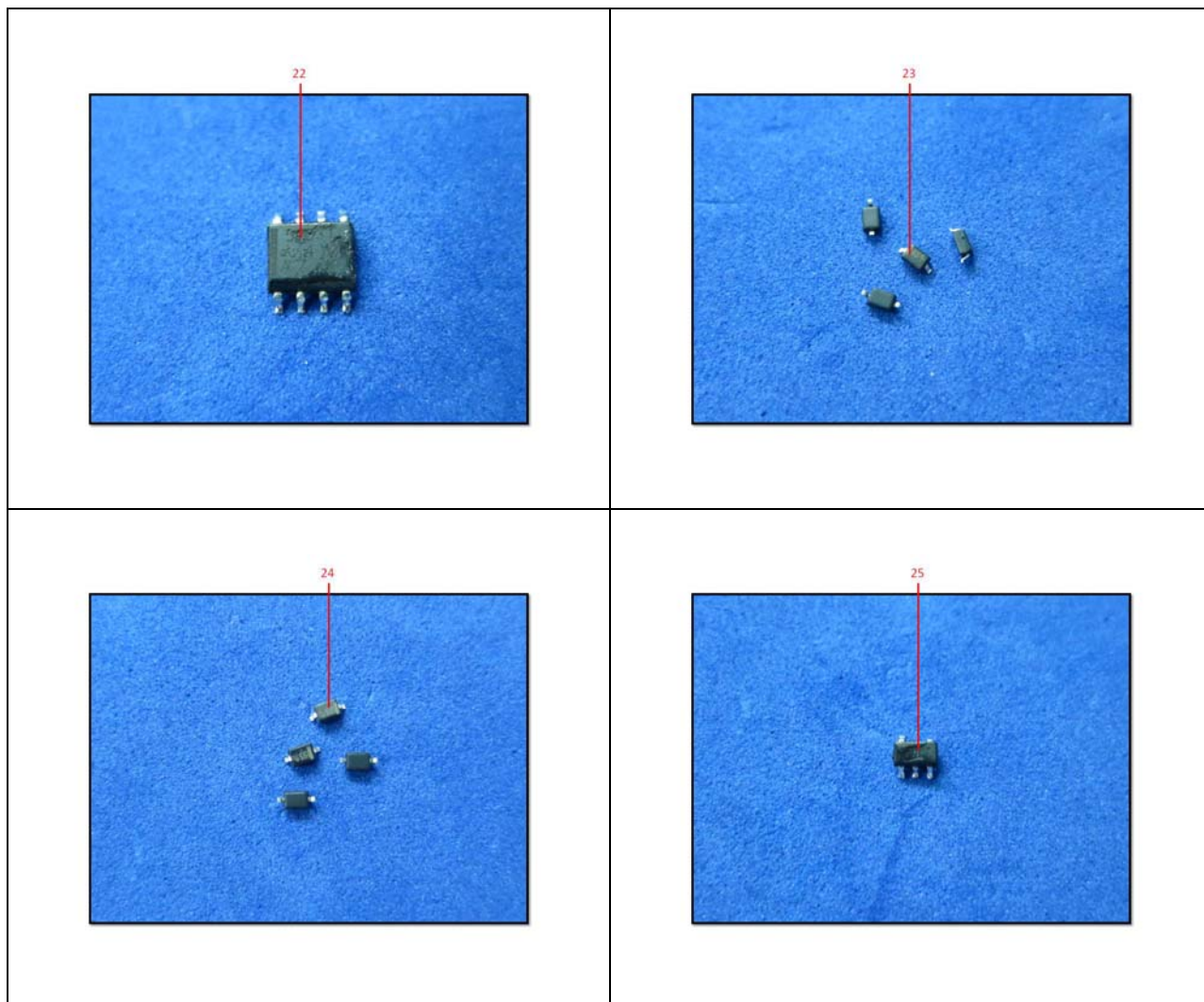
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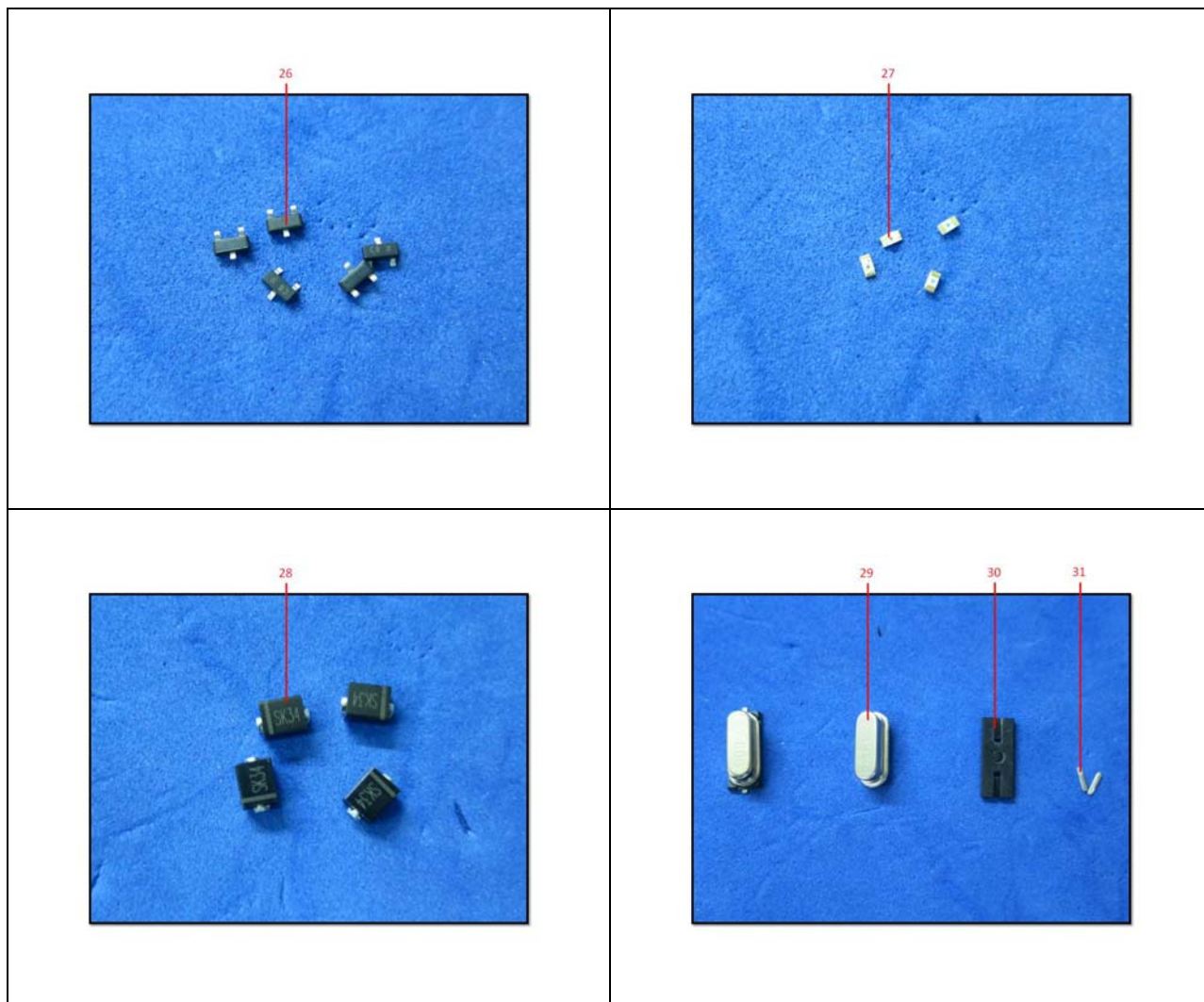
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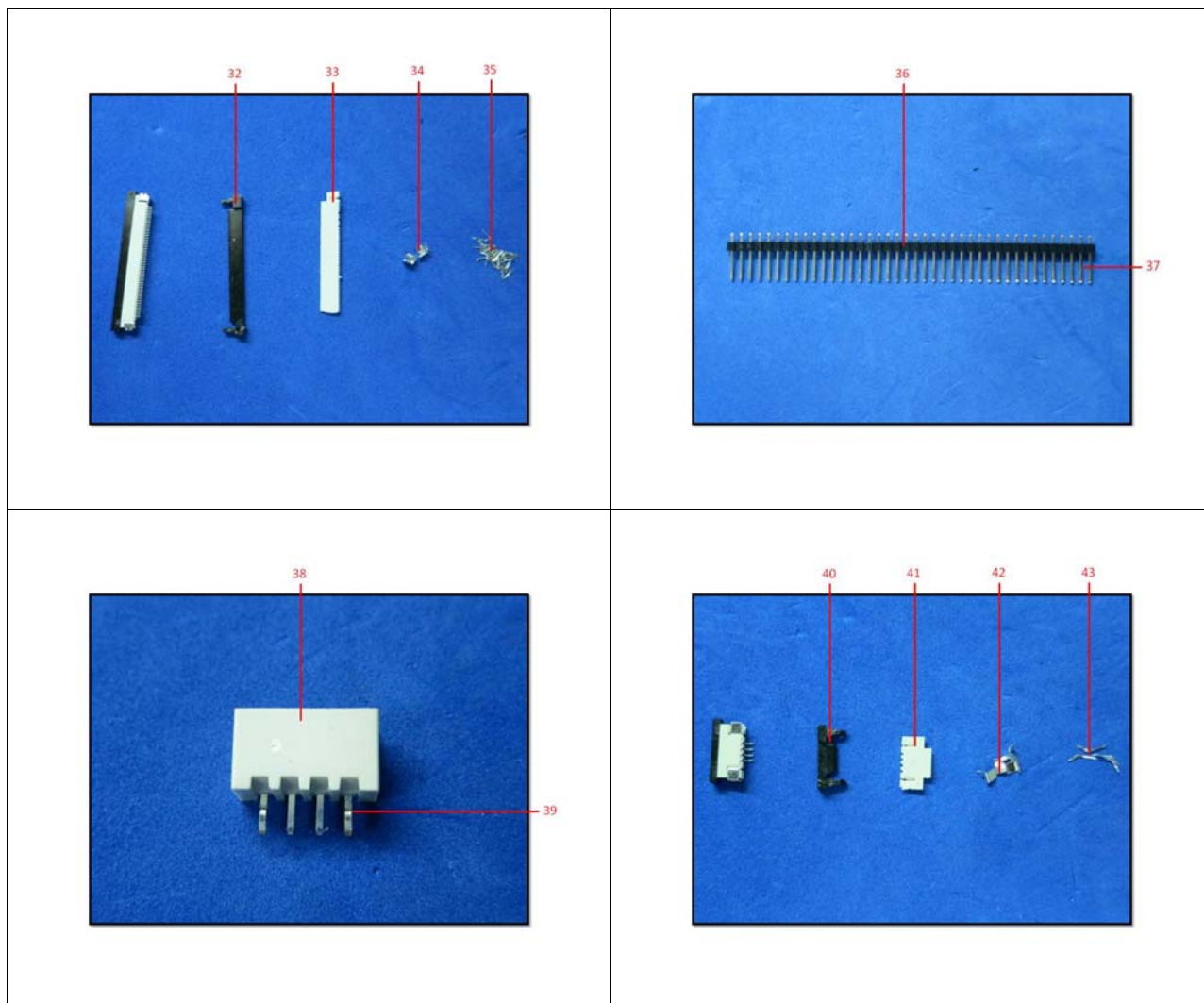
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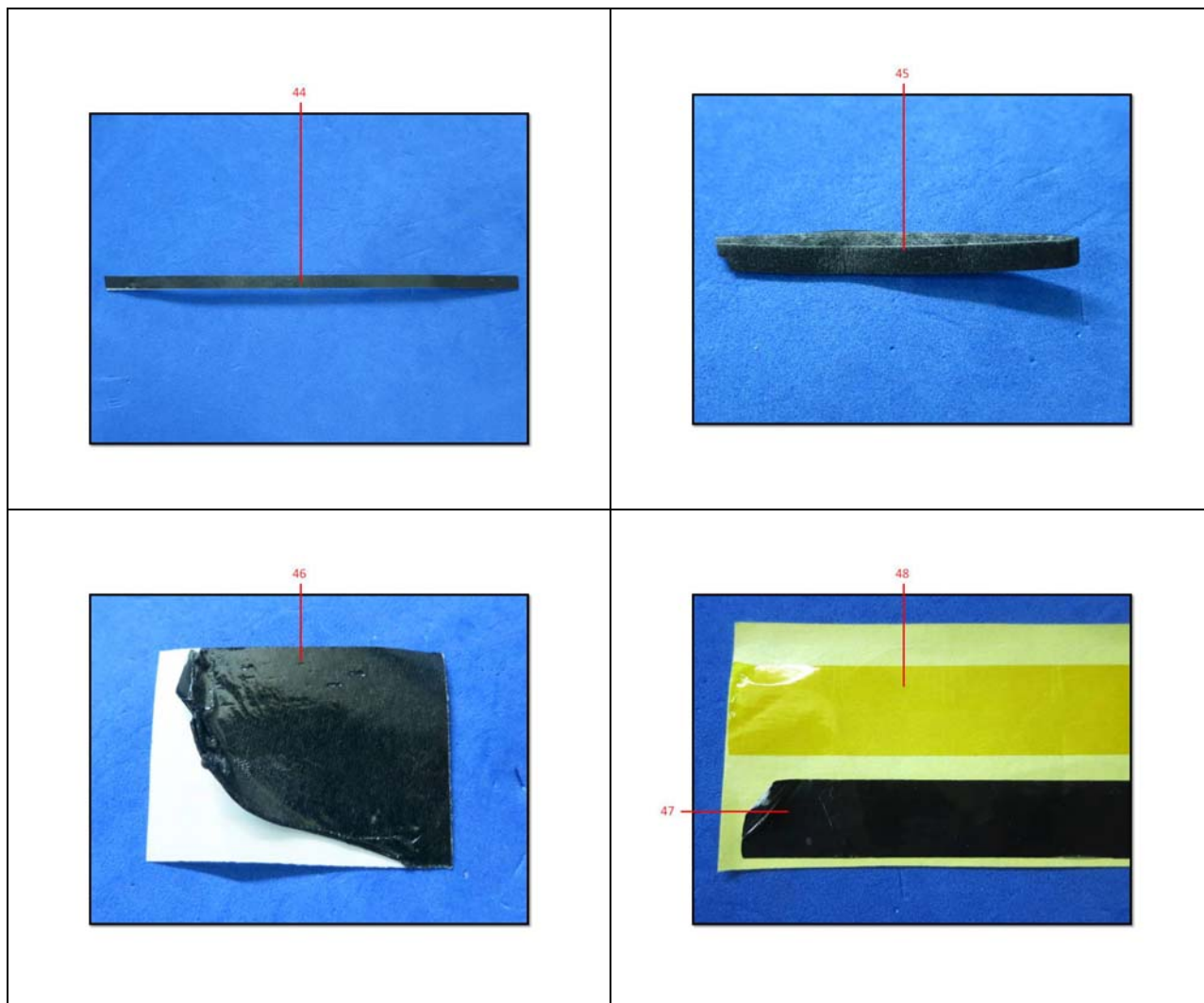
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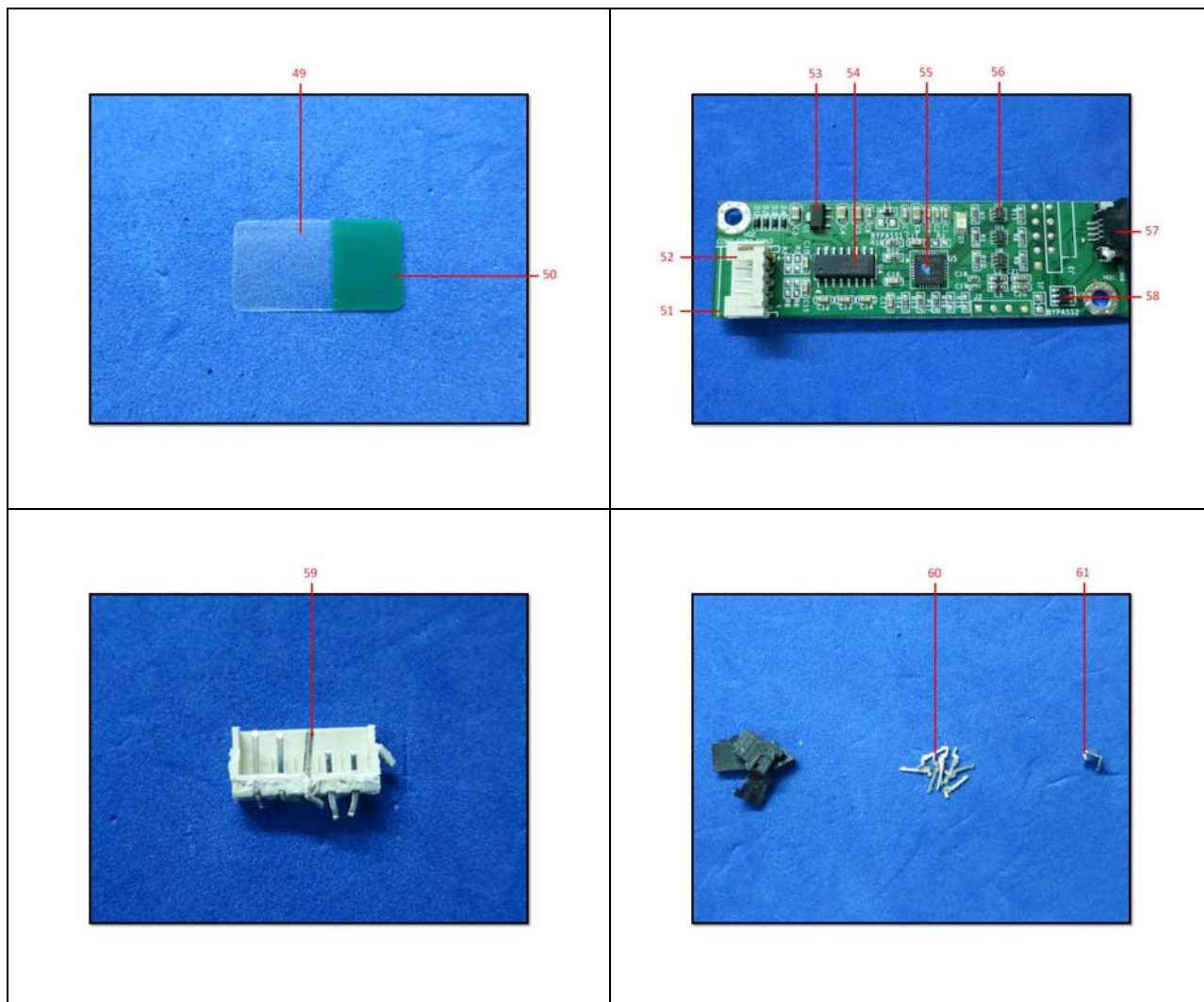
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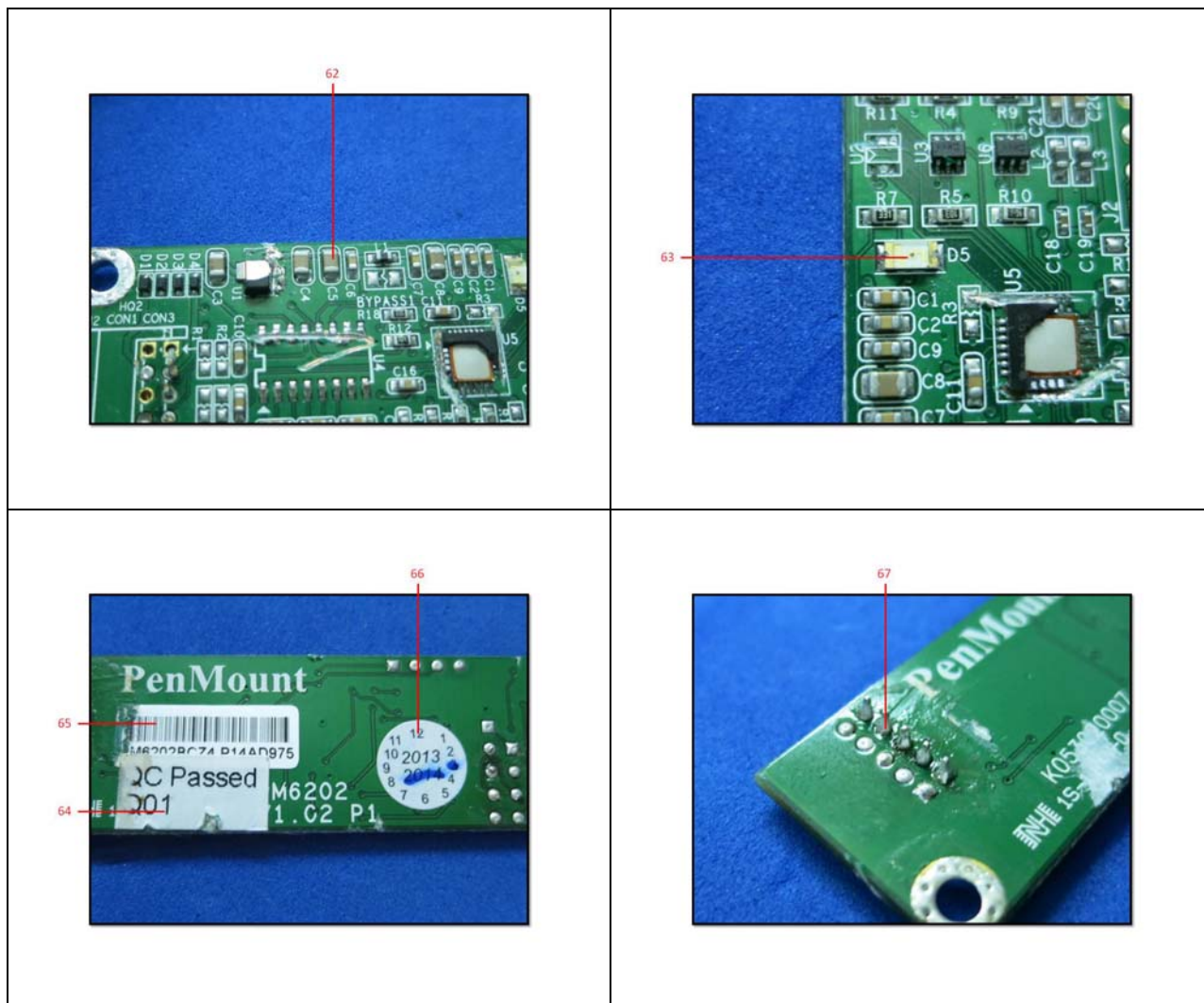
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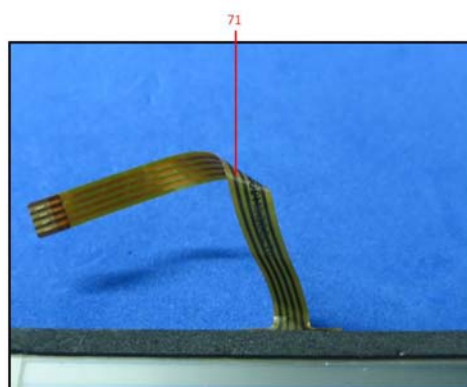
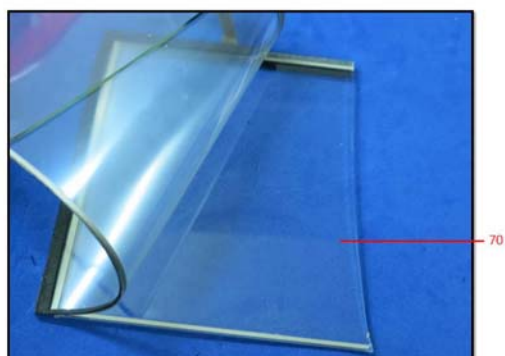
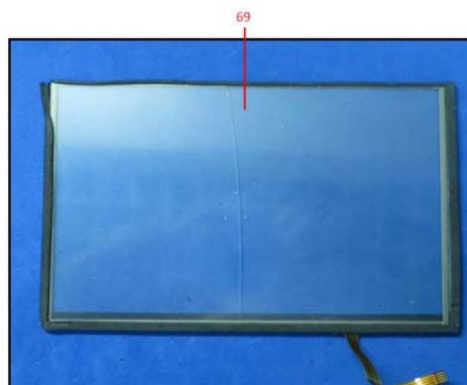
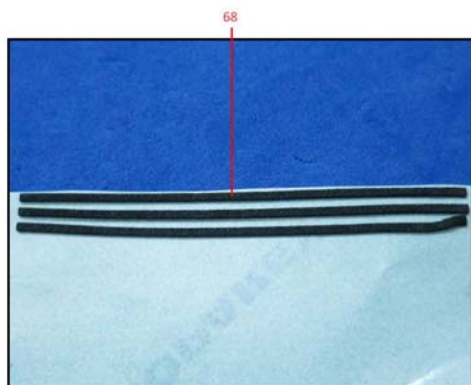
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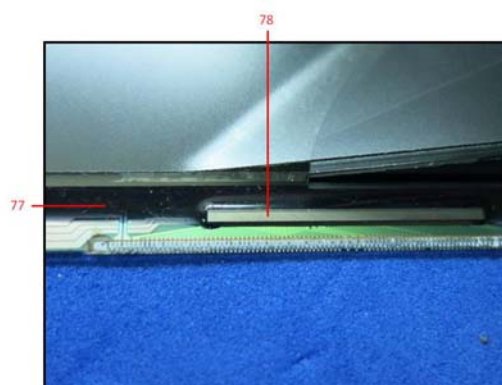
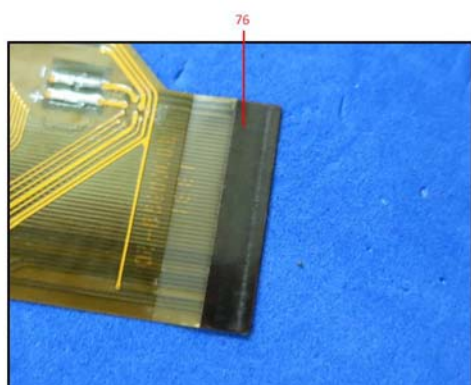
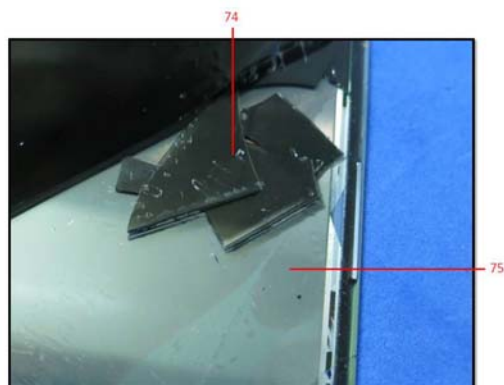
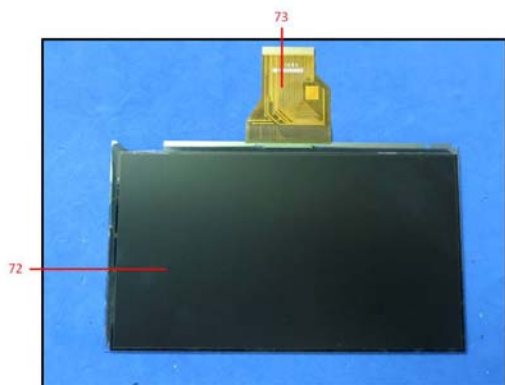


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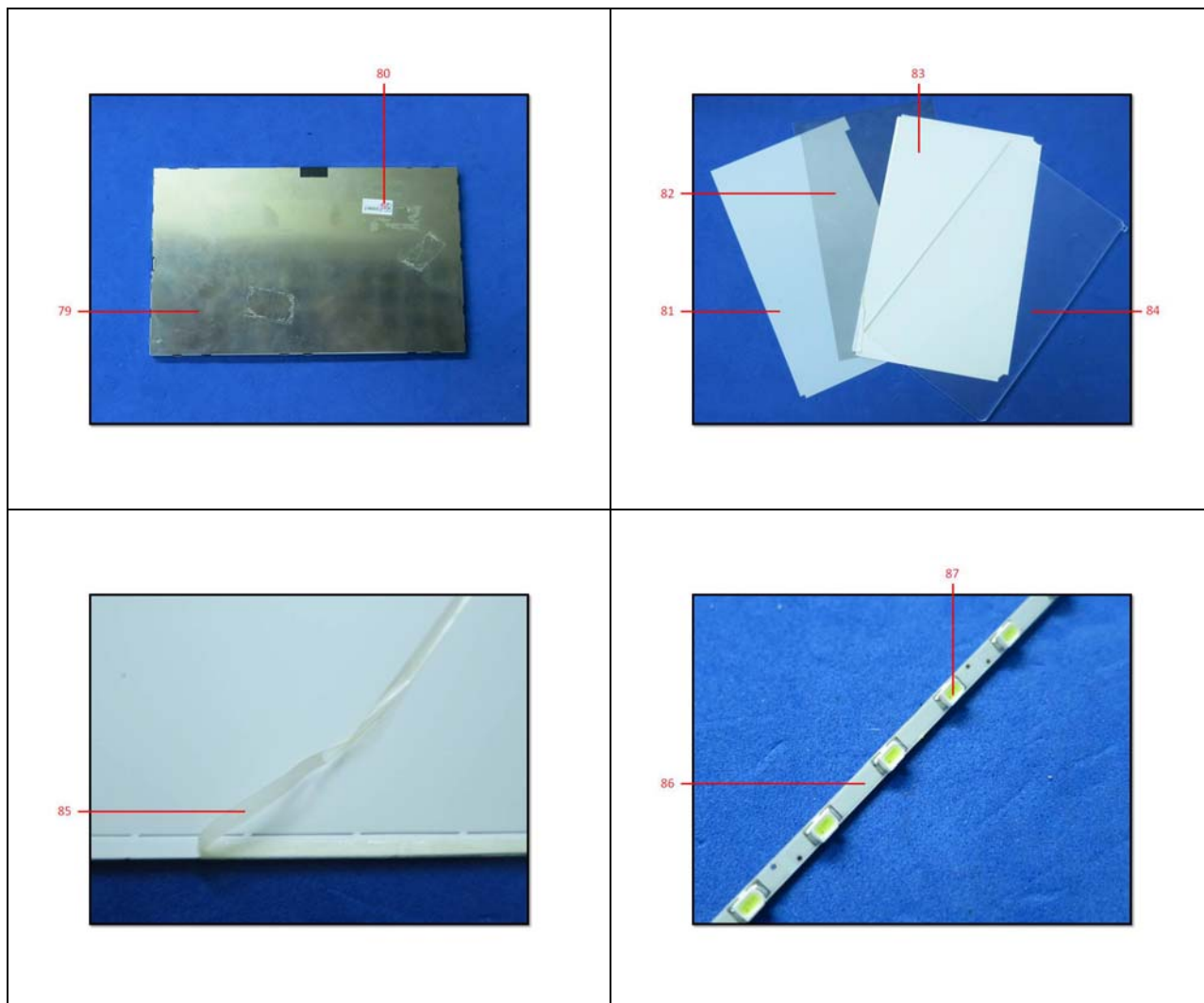
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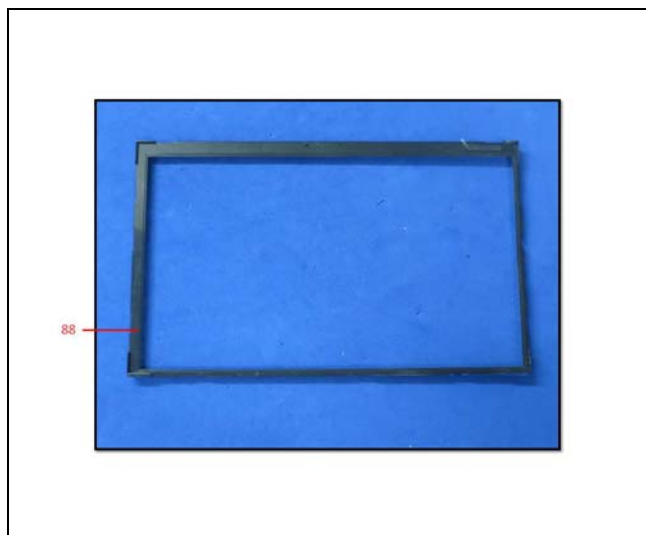
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