

Report No.: 27219893a 001

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Client: HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED

Contact Information: 8500 Balboa Blvd, Northridge, CA 91329, UNITED STATES

Test item(s): 374 materials

Identification/ Wireless Speaker

Model No(s): COVE X1

Sample obtaining method: Sending by customer

Condition at delivery: Test item complete and undamaged.

Sample Receiving date: 2026-01-30, 2026-02-12, 2026-03-05, 2026-03-16, 2026-03-17, 2026-03-18, 2026-03-19, 2026-03-26, 2026-03-27, 2026-03-30, 2026-04-08, 2026-04-09, 2026-04-14, 2026-04-22, 2026-05-13, 2026-05-26

Testing Period: 2026-02-09 to 2026-05-29

Place of testing: Chemical laboratory Shenzhen

Test Specification:

Test result:

1. Cadmium, Lead, Chromium (VI), Mercury, Polybrominated biphenyls (PBB) and Polybrominated diphenyl ethers (PBDE), ROHS Phthalates (BBP, DBP, DEHP, DIBP)
According to RoHS(recast): Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment, 2011/65/EU Annex II and its amendment Directive (EU) 2015/863

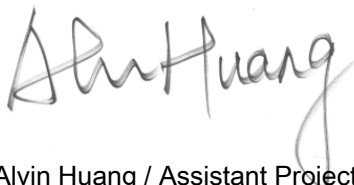
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Other information:

Factory: Zhong Shan City Richsound Electronic Industrial Ltd.

Factory Address: No. 16, East Shagang Road, Gangkou Town, Zhongshan City, 528447
Guangdong, P.R. China

For and on behalf of
TÜV Rheinland (Shenzhen) Co., Ltd.



2026-06-02

Alvin Huang / Assistant Project Manager

Date

Name/Position

Sample information is provided by customer. Test result is drawn according to the kind and extent of tests performed.
This test report relates to the above mentioned 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.
"Decision Rule" document announced in our website (<https://www.tuv.com/landingpage/en/qm-gcn/>) describes the statement of conformity and its rule of enforcement for test results are applicable throughout this test report.

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Material List:

Item: Wireless Speaker
COVE X1

Material No.	Material	Color	Location
M001a-1	Coating	Black	Refer to photo(replace M001a)
M001b	Plastic	Black	Refer to photo
M002a-1	Coating	Black	Refer to photo(replace M002a)
M002b-1	Metal	Silvery	Refer to photo(replace M002b)
M003a	Coating	Black	Refer to photo
M003b	Plastic	Black	Refer to photo
M004a	Coating	Transparent/ black	Refer to photo
M004b	Plastic	Black	Refer to photo
M005	Plastic + printing	Black/ grey	Refer to photo
M006	Soft plastic	Black	Refer to photo
M007	Plastic	Black	Refer to photo
M008	Plastic + adhesive	Green/ orange	Refer to photo
M009	Plastic	Black	Refer to photo
M010	Metal	Silvery	Refer to photo
M011	Metal	Silvery	Refer to photo
M012	Plastic	Black	Refer to photo
M013	Metal	Silvery	Refer to photo
M014	Foam + adhesive	Black	Refer to photo
M015	Metal	Silvery	Refer to photo
M016-2	PCB	Green	Refer to photo(retest M016)
M017	Plastic	White	Refer to photo
M018	Plastic	Cream	Refer to photo
M019	Solder	Silvery	Refer to photo
M020	Metal	Silvery	Refer to photo
M021	Metal + plating	Silvery/ black	Refer to photo
M022	Metal + plating	Silvery	Refer to photo
M023	Foam + adhesive	Black	Refer to photo
M024	Plastic	Black	Refer to photo
M025	Foam + adhesive	Black	Refer to photo

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M026a	Soft plastic	Black	Refer to photo
M027	Metal	Silvery	Refer to photo
M028	Solder	Silvery	Refer to photo
M029	Textile	Black	Refer to photo
M031	Plastic	Black	Refer to photo
M032	Solder	Silvery	Refer to photo
M033	Foam + adhesive	Dark grey	Refer to photo
M034	Plastic + adhesive	Black	Refer to photo
M035-2	PCB	Green	Refer to photo(retest M035)
M036	Plastic	White	Refer to photo
M037	Plastic	Black	Refer to photo
M039	Solder	Silvery	Refer to photo
M040	Electronic components	White	Refer to photo
M041	Metal + plating	Silvery/ black	Refer to photo
M042	Plastic	Transparent black	Refer to photo
M043-1	PCB	Green/ khaki	Refer to photo(retest M043)
M045	Solder	Silvery	Refer to photo
M046	Metal	Copperty	Refer to photo
M047	Metal	Silvery	Refer to photo
M048	Plastic	Black	Refer to photo
M049	Plastic	Brown	Refer to photo
M050	Metal	Bright silvery	Refer to photo
M051	Metal	Silvery	Refer to photo
M052	Metal	Silvery	Refer to photo
M053	Metal + plating	Silvery/ black	Refer to photo
M054-2	PCB	Green	Refer to photo(retest M054)
M055	Plastic	White	Refer to photo
M056	Solder	Silvery	Refer to photo
M057	Electronic components	Yellow	Refer to photo
M058-2	PCB	Green	Refer to photo(retest M058)
M059	Plastic	White	Refer to photo
M060-1	Plastic	White	Refer to photo(replace M060)

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M061-1	Plastic	Black	Refer to photo(replace M061)
M062	Metal	Silvery	Refer to photo
M063	Electronic components	Black	Refer to photo
M064	Electronic components	Black/ white	Refer to photo
M065	Electronic components	Black/ silvery	Refer to photo
M066	Electronic components	Black/ silvery	Refer to photo
M067	Plastic	White	Refer to photo
M068	Plastic	Black	Refer to photo
M069	Metal	Silvery	Refer to photo
M070	Plastic	Black	Refer to photo
M071	Solder	Silvery	Refer to photo
M072	Plastic + adhesive	Translucent beige	Refer to photo
M073	Metal + plating	Silvery/ black	Refer to photo
M074	Plastic	Black	Refer to photo
M075-1	PCB	Green	Refer to photo(retest M075)
M076	Soft plastic	Black	Refer to photo
M077	Plastic + adhesive	Black	Refer to photo
M078	Metal	Silvery	Refer to photo
M079	Solder	Silvery	Refer to photo
M080	Plastic + adhesive	Translucent beige	Refer to photo
M081	Soft plastic	Black	Refer to photo
M082	Plastic	Translucent beige	Refer to photo
M083	Paper	Black	Refer to photo
M084a	Soft plastic	Black	Refer to photo
M084b	Glue	Transparent	Refer to photo
M084c	Glue	Black	Refer to photo
M085a	Textile	Brown	Refer to photo
M085b	Glue	Transparent	Refer to photo
M086	Metal	Coppery	Refer to photo
M087	Metal	Coppery	Refer to photo
M088a	Plastic	Transparent brown	Refer to photo
M088b	Glue	Translucent brown	Refer to photo

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M088c	Paper	Light brown	Refer to photo
M089	Solder	Silvery	Refer to photo
M090	Magnet	Black	Refer to photo
M091a	Coating	Black	Refer to photo
M091b	Metal	Silvery	Refer to photo
M092	Paper + printing + adhesive	White/ black	Refer to photo
M093	Foam + adhesive	Black	Refer to photo
M094	Metal	Silvery	Refer to photo
M095	Magnet	Black	Refer to photo
M096	Metal	Silvery	Refer to photo
M097	Glue	Translucent pink	Refer to photo
M098	Solder	Silvery	Refer to photo
M099	Metal	Silvery	Refer to photo
M100	Foam	White	Refer to photo
M101	Plastic + adhesive	Transparent	Refer to photo
M102a	Plastic	White	Refer to photo
M102b	Glue	Black	Refer to photo
M103-1	Textile	Black	Refer to photo(retest M103)
M104	Metal	Silvery	Refer to photo
M105	Plastic + printing + adhesive	Off white/ black	Refer to photo
M106	Plastic + printing + adhesive	White/ black	Refer to photo
M107	Plastic	Black	Refer to photo
M108a	Plastic	Black	Refer to photo
M108b	Glue	Translucent pink	Refer to photo
M109	Metal	Silvery	Refer to photo
M110	Solder	Silvery	Refer to photo
M111	Foam	Black	Refer to photo
M112	Plastic + adhesive	Transparent pink	Refer to photo
M113	Metal	Coppery	Refer to photo
M114	Metal	Golden/ silvery	Refer to photo

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M115	Magnet	Silvery	Refer to photo
M116	Foam + adhesive	Black	Refer to photo
M117	Plastic	Black	Refer to photo
M118	Plastic	Black	Refer to photo
M119	Soft plastic	Black	Refer to photo
M120	Metal	Silvery	Refer to photo
M122	Metal	Silvery	Refer to photo
M123	Metal	Silvery	Refer to photo
M124	Metal + plating	Silvery/ black	Refer to photo
M125	Plastic	Light grey	Refer to photo
M126	Plastic	Black	Refer to photo
M127	Textile + adhesive	Black	Refer to photo
M128	Foam	White	Refer to photo
M129	Plastic	Black	Refer to photo
M130	Foam	Black	Refer to photo
M131	Plastic + adhesive	Transparent	Refer to photo
M132-1	Foam	White	Refer to photo(retest M132)
M133	Plastic + adhesive	Translucent beige	Refer to photo
M134	Plastic	Black	Refer to photo
M135-2	PCB	Green/ khaki	Refer to photo(retest M135)
M136-1	Solder	Silvery	Refer to photo(replace M136)
M137	Electronic components	Black/ silvery	Refer to photo
M138	Electronic components	Black/ silvery	Refer to photo
M139-1	Electronic components	Black/ silvery	Refer to photo(replace M139)
M140	Electronic components	Black/ white/ silvery	Refer to photo
M141-1	Electronic components	Black/ silvery	Refer to photo(replace M141)
M142	Electronic components	Black/ silvery	Refer to photo
M143	Electronic components	Black/ silvery	Refer to photo
M144-1	Electronic components	Grey/ silvery	Refer to photo(replace M144)
M145	Electronic components	Black/ white/ silvery	Refer to photo
M146	Electronic components	Brown/ silvery	Refer to photo
M147	Metal	Silvery	Refer to photo

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M148-1	Electronic components	Black/ silvery	Refer to photo(replace M148)
M149	Glue	White	Refer to photo
M150	Plastic + printing	Green/ golden	Refer to photo
M151	Soft plastic	Black	Refer to photo
M152	Metal	Coppery	Refer to photo
M153	Metal	Red	Refer to photo
M154	Magnet	Green	Refer to photo
M155	Plastic	Black	Refer to photo
M156	Electronic components	Black/ silvery	Refer to photo
M157	Electronic components	Blue/ silvery	Refer to photo
M158	Electronic components	Black/ silvery	Refer to photo
M159	Plastic	Black	Refer to photo
M160	Plastic	White	Refer to photo
M161-1	Plastic + printing	Black/ golden	Refer to photo(replace M161)
M162-1	Plastic + printing	Green/ golden	Refer to photo(replace M162)
M163-1	Soft plastic	Black	Refer to photo(replace M163)
M164-1	Paper	Brown	Refer to photo(replace M164)
M165-1	Plastic + adhesive	Transparent	Refer to photo(replace M165)
M166-1	Metal	Silvery	Refer to photo(replace M166)
M167-1	Metal	Grey	Refer to photo(replace M167)
M168-1	Metal	Coppery	Refer to photo(replace M168)
M169-1	Magnet	Black	Refer to photo(replace M169)
M170-1	Plastic	Black	Refer to photo(replace M170)
M171-1	Plastic + adhesive	Yellow	Refer to photo(replace M171)
M172-1	Plastic + printing	Yellow/ black	Refer to photo(retest M172)
M173-1	Plastic	Light yellow	Refer to photo(retest M173)
M174	Plastic	Silvery/ transparent	Refer to photo
M175	Plastic	Yellow	Refer to photo
M176	Plastic	Black	Refer to photo
M177	Paper + printing + adhesive	White/ black	Refer to photo
M178	Plastic + printing + adhesive	Yellow/ black	Refer to photo

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M179	Solder	Silvery	Refer to photo
M180	Magnet	Black	Refer to photo
M181	Plastic	Black	Refer to photo
M182	Plastic	Transparent	Refer to photo
M183a	Plastic	Yellow	Refer to photo
M183b	Metal	Coppery	Refer to photo
M184	Electronic components	Black/ silvery	Refer to photo
M185	Metal	Silvery	Refer to photo
M186	Electronic components	Green/ silvery	Refer to photo
M187	Magnet	Black	Refer to photo
M188	Glue	Red	Refer to photo
M189	Metal	Silvery	Refer to photo
M190	Electronic components	Black/ silvery	Refer to photo
M191	Electronic components	Black	Refer to photo
M192	Electronic components	Black	Refer to photo
M193	Electronic components	Black	Refer to photo
M194	Magnet	Brown	Refer to photo
M195	Electronic components	Black/ silvery	Refer to photo
M196	Electronic components	Black/ silvery	Refer to photo
M197	Electronic components	Dark brown/ silvery	Refer to photo
M198	Electronic components	Matt black/ silvery	Refer to photo
M199	Plastic + printing + adhesive	White/ black/ yellow	Refer to photo
M200	Plastic + printing + adhesive	White/ black	Refer to photo
M201	Metal	Silvery	Refer to photo
M202	PCB	Green	Refer to photo
M203	Plastic	Cream	Refer to photo
M204	Metal	Golden	Refer to photo
M205	Metal	Silvery	Refer to photo
M206	Electronic components	Blue/ silvery	Refer to photo
M207	Electronic components	Black	Refer to photo
M208	Electronic components	Black	Refer to photo

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M209-1	PCB	Green	Refer to photo(retest M209)
M212	Metal	Silvery	Refer to photo
M213	Solder	Silvery	Refer to photo
M214	Plastic	Dark grey	Refer to photo
M215	Plastic	Cream	Refer to photo
M216	Metal + plating	Silvery/ black	Refer to photo
M217	Soft plastic	Black	Refer to photo
M218	Plastic	Black	Refer to photo
M219	Plastic	Cream	Refer to photo
M220-1	PCB	Green	Refer to photo(retest M220)
M221	Plastic + printing + adhesive	White/ black	Refer to photo
M222	Electronic components	Light brown/ silvery	Refer to photo
M223	Electronic components	Black/ silvery	Refer to photo
M224	Magnet	Silvery	Refer to photo
M225	Magnet	Grey	Refer to photo
M226	Metal	Silvery	Refer to photo
M227	Metal	Coppery	Refer to photo
M228	Solder	Silvery	Refer to photo
M229	Plastic	Black	Refer to photo
M230-1	Plastic	Black	Refer to photo(retest M038, M044, M210, M211, M230)
M231	Plastic	Cream	Refer to photo
M232	Electronic components	Black/ silvery	Refer to photo
M233	Plastic	Cream	Refer to photo
M234	Electronic components	White/ silvery	Refer to photo
M235	Electronic components	Black/ white/ silvery	Refer to photo
M236	Plastic	White	Refer to photo
M237	Foam + adhesive	Black	Refer to photo
M238a	Soft plastic	Black	Refer to photo
M239a	Soft plastic	Red	Refer to photo
M240	Foam + adhesive	Black	Refer to photo
M241	Plastic	White	Refer to photo

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M242	Metal	Silvery	Refer to photo
M243a	Soft plastic	Black	Refer to photo
M244a	Soft plastic	Red	Refer to photo
M245	Foam + adhesive	Black	Refer to photo
M246a	Soft plastic	Grey/ black/ red	Refer to photo
M248	Metal	Golden	Refer to photo
M249	Foam + adhesive	Black	Refer to photo
M250	Plastic	Off white	Refer to photo
M251	Metal	Silvery	Refer to photo
M252	Soft plastic	Red	Refer to photo
M253	Soft plastic	Black	Refer to photo
M254a	Soft plastic	White	Refer to photo
M255a	Soft plastic	Black	Refer to photo
M255b	Glue	Black	Refer to photo
M256	Foam + adhesive	Black	Refer to photo
M257	Soft plastic	Black	Refer to photo
M258a	Soft plastic	Black	Refer to photo
M259	Soft plastic	Black	Refer to photo
M260	Plastic	Black	Refer to photo
M261	Plastic	Black	Refer to photo
M262	Metal	Silvery	Refer to photo
M263	Metal	Silvery	Refer to photo
M264a	Soft plastic	White	Refer to photo
M265a	Soft plastic	Green	Refer to photo
M266	Glue	Translucent beige	Refer to photo
M267	Foam + adhesive	Black	Refer to photo
M268	PCB	White/ green	Refer to photo
M269	Plastic + printing	Blue/ black	Refer to photo
M270	Solder	Silvery	Refer to photo
M271	Solder	Silvery	Refer to photo
M272a	PCB	Black	Refer to photo
M272b	Glue	Transparent	Refer to photo

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M273	Foam + adhesive	Black	Refer to photo
M274a	Plastic	Grey	Refer to photo
M274b	Plastic	Transparent	Refer to photo
M275	Metal	Golden	Refer to photo
M276a	Plastic	Black	Refer to photo
M277	Plastic	Black	Refer to photo
M278a	Plastic	White	Refer to photo
M279	Plastic + printing	White/ black	Refer to photo
M280	Plastic + Textile	White/ purple	Refer to photo
M281	Silica gel	Brown	Refer to photo
M282	Paper + printing	Brown/ black	Refer to photo
M283	Paper + printing	White/ multicolor	Refer to photo
M284	Metal	Silvery	Refer to photo
M285	Paper + printing	White/ black	Refer to photo
M286	Card board	Brown	Refer to photo
M287	Plastic + printing + paper + adhesive	Transparent/ multicolor/ white	Refer to photo
M288	Plastic + adhesive	Transparent	Refer to photo
M289	Paper	White	Refer to photo
M290	Card board	Brown	Refer to photo
M291	Plastic + printing + paper + adhesive	Multicolor	Refer to photo
M292	Plastic + adhesive	Transparent	Refer to photo
M293	Card board	Brown	Refer to photo
M294	Card board + printing	Brown/ black	Refer to photo
M295	Plastic + adhesive	Transparent	Refer to photo
M296	Plastic + printing + paper + adhesive	Transparent/ black/ white	Refer to photo
M297	Paper	Off white	Refer to photo
M298	Plastic + adhesive	Transparent	Refer to photo
M299-2	Soft plastic	Black	Refer to photo(replace M299)
M300-1	Soft plastic	Black	Refer to photo(replace M300)
M301-1	Soft plastic	Black	Refer to photo(replace M301)

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M302-1	Plastic	Black	Refer to photo(replace M302)
M303-1	Metal	Silvery	Refer to photo(replace M303)
M304a-1	Soft plastic	Brown	Refer to photo(replace M304a)
M305a-1	Soft plastic	Blue	Refer to photo(replace M305a)
M305b-1	Metal	Coppery	Refer to photo(replace M305b)
M306-1	Plastic	Black	Refer to photo(replace M306)
M307-1	Metal	Coppery	Refer to photo(replace M307)
M308	Plastic + adhesive	Black	Refer to photo
M309	Grease	Yellow	Refer to photo
M310	Plastic + printing	Brown/ silvery	Refer to photo
M311	Metal	Coppery	Refer to photo
M312	Plastic	Translucent	Refer to photo
M313	Soft plastic	Black	Refer to photo
M314	Metal	Silvery	Refer to photo
M315	Plastic	Black	Refer to photo
M316	Plastic	Black	Refer to photo
M317	Plastic	Black	Refer to photo
M318	Metal	Golden	Refer to photo
M319	Ceramic	White/ pink	Refer to photo
M320	Metal	Silvery	Refer to photo
M321	Sand	Brown	Refer to photo
M322	Metal	Silvery	Refer to photo
M323	Plastic	White	Refer to photo
M324-2	Soft plastic	Black	Refer to photo(replace M324)
M325	Soft plastic	Black	Refer to photo
M326	Soft plastic	Black	Refer to photo
M327	Metal	Silvery	Refer to photo
M328	Metal	Silvery	Refer to photo
M329	Plastic	Black	Refer to photo
M330	Paper	Brown	Refer to photo
M331	Metal	Silvery	Refer to photo
M332a	Coating	White	Refer to photo

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M332b	Plastic	White	Refer to photo
M333a	Coating	Transparent/ grey/ white	Refer to photo
M333b	Plastic	White	Refer to photo
M334	Plastic + printing	White/ grey	Refer to photo
M335	Soft plastic	White	Refer to photo
M336a	Coating	White	Refer to photo
M337a	Coating	White	Refer to photo
M337b	Plastic	White	Refer to photo
M338	Glue	Translucent white	Refer to photo
M339	Plastic	White	Refer to photo
M340	Plastic	Translucent beige	Refer to photo
M341	Plastic	Translucent beige	Refer to photo
M342	Plastic	White	Refer to photo
M343	Plastic	White	Refer to photo
M344	Plastic	White	Refer to photo
M345	Textile + adhesive	Black	Refer to photo
M346	Textile	Black	Refer to photo
M347	Foam	Black	Refer to photo
M348	Metal	Silvery	Refer to photo
M349	Soft plastic	White	Refer to photo
M350	Soft plastic	White	Refer to photo
M351	Soft plastic	White	Refer to photo
M352	Plastic	White	Refer to photo
M353	Plastic	White	Refer to photo
M354	Soft plastic	White	Refer to photo
M355	Plastic	White	Refer to photo
M356	Plastic	White	Refer to photo
M357	Soft plastic	White	Refer to photo
M358	Soft plastic	White	Refer to photo
M359	Soft plastic	White	Refer to photo
M360a	Soft plastic	White	Refer to photo
M361	Plastic + printing + paper + adhesive	Multicolor	Refer to photo

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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

Test Result:

Material No.	Cd	Cr	Pb	Hg	Br
M001a-1	BL	BL	BL	BL	BL
M001b	BL	BL	BL	BL	BL
M002a-1	BL	BL	BL	BL	BL
M002b-1	BL	BL	BL	BL	n.a.
M003a	BL	BL	BL	BL	BL
M003b	BL	BL	BL	BL	BL
M004a	BL	BL	BL	BL	BL
M004b	BL	BL	BL	BL	BL
M005	BL	BL	BL	BL	BL
M006	BL	BL	BL	BL	BL
M007	BL	BL	BL	BL	BL
M008	BL	BL	BL	BL	BL
M009	BL	BL	BL	BL	BL
M010	BL	BL	BL	BL	n.a.
M011	BL	BL	BL	BL	n.a.
M012	BL	BL	BL	BL	BL
M013	BL	BL	BL	BL	n.a.
M014	BL	BL	BL	BL	BL
M015	BL	BL	BL	BL	n.a.
M016-2	BL	BL	BL	BL	BL
M017	BL	BL	BL	BL	BL
M018	BL	BL	BL	BL	BL
M019	BL	BL	BL	BL	n.a.
M020	BL	BL	BL	BL	n.a.
M021	BL	d.(*1)	BL	BL	n.a.
M022	BL	d.(*1)	BL	BL	n.a.
M023	BL	BL	BL	BL	BL
M024	BL	BL	BL	BL	d.(*1)
M025	BL	BL	BL	BL	BL
M026a	BL	BL	BL	BL	BL
M027	BL	BL	BL	BL	n.a.
M028	BL	BL	BL	BL	n.a.
M029	BL	BL	BL	BL	BL
M031	BL	BL	BL	BL	BL
M032	BL	BL	BL	BL	n.a.

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M033	BL	BL	BL	BL	BL
M034	BL	BL	BL	BL	BL
M035-2	BL	BL	BL	BL	BL
M036	BL	BL	BL	BL	BL
M037	BL	BL	BL	BL	BL
M039	BL	BL	BL	BL	n.a.
M040	BL	BL	BL	BL	BL
M041	BL	d.(*1)	BL	BL	n.a.
M042	BL	BL	BL	BL	BL
M043-1	BL	BL	BL	BL	BL
M045	BL	BL	BL	BL	n.a.
M046	BL	BL	BL	BL	n.a.
M047	BL	BL	BL	BL	n.a.
M048	BL	BL	BL	BL	BL
M049	BL	BL	BL	BL	BL
M050	BL	BL	BL	BL	n.a.
M051	BL	d.(*1)	BL	BL	n.a.
M052	BL	d.(*1)	BL	BL	n.a.
M053	BL	d.(*1)	BL	BL	n.a.
M054-2	BL	BL	BL	BL	BL
M055	BL	BL	BL	BL	BL
M056	BL	BL	BL	BL	n.a.
M057	BL	BL	BL	BL	BL
M058-2	BL	BL	BL	BL	BL
M059	BL	BL	BL	BL	BL
M060-1	BL	BL	BL	BL	BL
M061-1	BL	BL	BL	BL	BL
M062	BL	BL	BL	BL	n.a.
M063	BL	BL	BL	BL	BL
M064	BL	BL	BL	BL	BL
M065	BL	BL	BL	BL	BL
M066	BL	BL	BL	BL	BL
M067	BL	BL	BL	BL	BL
M068	BL	BL	BL	BL	BL
M069	BL	d.(*1)	BL	BL	n.a.
M070	BL	BL	BL	BL	BL
M071	BL	BL	BL	BL	n.a.
M072	BL	BL	BL	BL	BL
M073	BL	d.(*1)	BL	BL	n.a.
M074	BL	BL	BL	BL	BL
M075-1	BL	BL	BL	BL	BL
M076	BL	BL	BL	BL	BL
M077	BL	BL	BL	BL	BL

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M078	BL	BL	BL	BL	n.a.
M079	BL	BL	BL	BL	n.a.
M080	BL	BL	BL	BL	BL
M081	BL	BL	BL	BL	BL
M082	BL	BL	BL	BL	BL
M083	BL	BL	BL	BL	BL
M084a	BL	BL	BL	BL	BL
M084b	BL	BL	BL	BL	BL
M084c	BL	BL	BL	BL	BL
M085a	BL	BL	BL	BL	BL
M085b	BL	BL	BL	BL	BL
M086	BL	BL	BL	BL	n.a.
M087	BL	BL	BL	BL	n.a.
M088a	BL	BL	BL	BL	BL
M088b	BL	BL	BL	BL	BL
M088c	BL	BL	BL	BL	BL
M089	BL	d.(*1)	BL	BL	n.a.
M090	BL	d.(*1)	BL	BL	n.a.
M091a	BL	BL	BL	BL	BL
M091b	BL	BL	BL	BL	n.a.
M092	BL	BL	BL	BL	BL
M093	BL	BL	BL	BL	BL
M094	BL	d.(*1)	BL	BL	n.a.
M095	BL	BL	BL	BL	n.a.
M096	BL	d.(*1)	BL	BL	n.a.
M097	BL	BL	BL	BL	BL
M098	BL	BL	BL	BL	n.a.
M099	BL	BL	BL	BL	n.a.
M100	BL	BL	BL	BL	BL
M101	BL	BL	BL	BL	BL
M102a	BL	BL	BL	BL	BL
M102b	BL	BL	BL	BL	BL
M103-1	BL	BL	BL	BL	BL
M104	BL	BL	d.(*1)	BL	n.a.
M105	BL	BL	BL	BL	BL
M106	BL	BL	BL	BL	BL
M107	BL	BL	BL	BL	BL
M108a	BL	BL	BL	BL	BL
M108b	BL	BL	BL	BL	BL
M109	BL	BL	BL	BL	n.a.
M110	BL	BL	BL	BL	n.a.
M111	BL	BL	BL	BL	BL
M112	BL	BL	BL	BL	BL

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M113	BL	BL	BL	BL	n.a.
M114	BL	BL	BL	BL	n.a.
M115	BL	d.(*1)	BL	BL	n.a.
M116	BL	BL	BL	BL	BL
M117	BL	BL	BL	BL	BL
M118	BL	BL	BL	BL	BL
M119	BL	BL	BL	BL	BL
M120	BL	d.(*1)	BL	BL	n.a.
M122	BL	BL	BL	BL	n.a.
M123	BL	d.(*1)	BL	BL	n.a.
M124	BL	d.(*1)	BL	BL	n.a.
M125	BL	BL	BL	BL	BL
M126	BL	BL	BL	BL	BL
M127	BL	BL	BL	BL	BL
M128	BL	BL	BL	BL	BL
M129	BL	BL	BL	BL	BL
M130	BL	BL	BL	BL	BL
M131	BL	BL	BL	BL	BL
M132-1	BL	BL	BL	BL	BL
M133	BL	BL	BL	BL	BL
M134	BL	BL	BL	BL	BL
M135-2	BL	BL	BL	BL	BL
M136-1	BL	BL	BL	BL	n.a.
M137	BL	BL	BL	BL	BL
M138	BL	BL	d.(*1)	BL	BL
M139-1	BL	BL	d.(*1)	BL	BL
M140	BL	d.(*1)	d.(*1)	BL	BL
M141-1	BL	BL	d.(*1)	BL	BL
M142	BL	BL	BL	BL	BL
M143	BL	BL	BL	BL	BL
M144-1	BL	BL	BL	BL	BL
M145	BL	BL	d.(*1)	BL	BL
M146	BL	BL	BL	BL	BL
M147	BL	d.(*1)	BL	BL	n.a.
M148-1	d.(*1)	BL	d.(*1)	BL	BL
M149	BL	BL	BL	BL	BL
M150	BL	BL	BL	BL	BL
M151	BL	BL	BL	BL	BL
M152	BL	BL	BL	BL	n.a.
M153	BL	BL	BL	BL	n.a.
M154	BL	BL	BL	BL	n.a.
M155	BL	BL	BL	BL	BL
M156	BL	BL	BL	BL	BL

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M157	BL	BL	BL	BL	BL
M158	BL	BL	d.(*1)	BL	BL
M159	BL	BL	BL	BL	BL
M160	BL	BL	BL	BL	BL
M161-1	BL	BL	BL	BL	BL
M162-1	BL	BL	BL	BL	BL
M163-1	BL	BL	BL	BL	BL
M164-1	BL	BL	BL	BL	BL
M165-1	BL	BL	BL	BL	BL
M166-1	BL	BL	BL	BL	n.a.
M167-1	BL	BL	BL	BL	n.a.
M168-1	BL	BL	BL	BL	n.a.
M169-1	BL	BL	BL	BL	n.a.
M170-1	BL	BL	BL	BL	BL
M171-1	BL	BL	BL	BL	BL
M172-1	BL	BL	BL	BL	BL
M173-1	BL	BL	BL	BL	BL
M174	BL	BL	BL	BL	BL
M175	BL	BL	BL	BL	BL
M176	BL	BL	BL	BL	BL
M177	BL	BL	BL	BL	BL
M178	BL	BL	BL	BL	BL
M179	BL	BL	BL	BL	n.a.
M180	BL	BL	BL	BL	n.a.
M181	BL	BL	BL	BL	BL
M182	BL	BL	BL	BL	BL
M183a	BL	BL	BL	BL	BL
M183b	BL	BL	BL	BL	n.a.
M184	BL	BL	d.(*1)	BL	BL
M185	BL	BL	BL	BL	n.a.
M186	BL	BL	BL	BL	BL
M187	BL	BL	BL	BL	n.a.
M188	BL	BL	BL	BL	BL
M189	BL	BL	BL	BL	n.a.
M190	BL	BL	BL	BL	BL
M191	BL	BL	BL	BL	BL
M192	BL	BL	BL	BL	BL
M193	BL	BL	BL	BL	BL
M194	BL	d.(*1)	BL	BL	n.a.
M195	BL	BL	BL	BL	BL
M196	BL	BL	BL	BL	BL
M197	BL	BL	BL	BL	BL
M198	BL	BL	BL	BL	BL

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M199	BL	BL	BL	BL	BL
M200	BL	BL	BL	BL	BL
M201	BL	BL	BL	BL	n.a.
M202	BL	BL	BL	BL	BL
M203	BL	BL	BL	BL	BL
M204	BL	BL	BL	BL	n.a.
M205	BL	BL	BL	BL	n.a.
M206	BL	BL	BL	BL	BL
M207	BL	d.(*1)	BL	BL	n.a.
M208	BL	BL	BL	BL	BL
M209-1	BL	BL	BL	BL	BL
M212	BL	BL	BL	BL	n.a.
M213	BL	BL	BL	BL	n.a.
M214	BL	BL	BL	BL	BL
M215	BL	BL	BL	BL	BL
M216	BL	BL	BL	BL	n.a.
M217	BL	BL	BL	BL	BL
M218	BL	BL	BL	BL	BL
M219	BL	BL	BL	BL	BL
M220-1	BL	BL	BL	BL	BL
M221	BL	BL	BL	BL	BL
M222	BL	BL	BL	BL	BL
M223	BL	BL	BL	BL	BL
M224	BL	BL	BL	BL	n.a.
M225	BL	BL	BL	BL	n.a.
M226	BL	BL	BL	BL	n.a.
M227	BL	BL	BL	BL	n.a.
M228	BL	BL	BL	BL	n.a.
M229	BL	BL	BL	BL	BL
M230-1	BL	BL	BL	BL	BL
M231	BL	BL	BL	BL	BL
M232	BL	BL	d.(*1)	BL	d.(*1)
M233	BL	BL	BL	BL	BL
M234	BL	BL	BL	BL	BL
M235	BL	BL	BL	BL	BL
M236	BL	BL	BL	BL	BL
M237	BL	BL	BL	BL	BL
M238a	BL	BL	BL	BL	BL
M239a	BL	BL	BL	BL	BL
M240	BL	BL	BL	BL	BL
M241	BL	BL	BL	BL	BL
M242	BL	BL	BL	BL	n.a.
M243a	BL	BL	BL	BL	BL

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M244a	BL	BL	BL	BL	BL
M245	BL	BL	BL	BL	BL
M246a	BL	BL	BL	BL	BL
M248	BL	BL	BL	BL	n.a.
M249	BL	BL	BL	BL	BL
M250	BL	BL	BL	BL	BL
M251	BL	BL	BL	BL	n.a.
M252	BL	BL	BL	BL	d.(*1)
M253	BL	BL	BL	BL	BL
M254a	BL	BL	BL	BL	BL
M255a	BL	BL	BL	BL	BL
M255b	BL	BL	BL	BL	BL
M256	BL	BL	BL	BL	BL
M257	BL	BL	BL	BL	BL
M258a	BL	BL	BL	BL	BL
M259	BL	BL	BL	BL	BL
M260	BL	BL	BL	BL	BL
M261	BL	BL	BL	BL	BL
M262	BL	BL	BL	BL	n.a.
M263	BL	BL	BL	BL	n.a.
M264a	BL	BL	BL	BL	BL
M265a	BL	BL	BL	BL	BL
M266	BL	BL	BL	BL	BL
M267	BL	BL	BL	BL	BL
M268	BL	BL	BL	BL	BL
M269	BL	BL	BL	BL	BL
M270	BL	BL	BL	BL	n.a.
M271	BL	BL	BL	BL	n.a.
M272a	BL	BL	BL	BL	BL
M272b	BL	BL	BL	BL	BL
M273	BL	BL	BL	BL	BL
M274a	BL	BL	BL	BL	BL
M274b	BL	BL	BL	BL	BL
M275	BL	BL	BL	BL	n.a.
M276a	BL	BL	BL	BL	BL
M277	BL	BL	BL	BL	BL
M278a	BL	BL	BL	BL	BL
M279	BL	BL	BL	BL	BL
M280	BL	BL	BL	BL	BL
M281	BL	BL	BL	BL	BL
M282	BL	BL	BL	BL	BL
M283	BL	BL	BL	BL	BL
M284	BL	d.(*1)	BL	BL	n.a.

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M285	BL	BL	BL	BL	BL
M286	BL	BL	BL	BL	BL
M287	BL	BL	BL	BL	BL
M288	BL	BL	BL	BL	BL
M289	BL	BL	BL	BL	BL
M290	BL	BL	BL	BL	BL
M291	BL	BL	BL	BL	BL
M292	BL	BL	BL	BL	BL
M293	BL	BL	BL	BL	BL
M294	BL	BL	BL	BL	BL
M295	BL	BL	BL	BL	BL
M296	BL	BL	BL	BL	BL
M297	BL	BL	BL	BL	BL
M298	BL	BL	BL	BL	BL
M299-2	BL	BL	BL	BL	BL
M300-1	BL	BL	BL	BL	BL
M301-1	BL	BL	BL	BL	BL
M302-1	BL	BL	BL	BL	d.(*1)
M303-1	BL	BL	d.(*1)	BL	n.a.
M304a-1	BL	BL	BL	BL	BL
M305a-1	BL	BL	BL	BL	BL
M305b-1	BL	BL	BL	BL	n.a.
M306-1	BL	BL	BL	BL	d.(*1)
M307-1	BL	BL	BL	BL	n.a.
M308	BL	BL	BL	BL	BL
M309	BL	BL	BL	BL	BL
M310	BL	BL	BL	BL	BL
M311	BL	BL	BL	BL	n.a.
M312	BL	BL	BL	BL	BL
M313	BL	BL	BL	BL	BL
M314	BL	BL	d.(*1)	BL	n.a.
M315	BL	BL	BL	BL	BL
M316	BL	BL	BL	BL	d.(*1)
M317	BL	BL	BL	BL	d.(*1)
M318	BL	BL	BL	BL	n.a.
M319	BL	BL	BL	BL	BL
M320	BL	BL	BL	BL	n.a.
M321	BL	BL	BL	BL	BL
M322	BL	BL	BL	BL	n.a.
M323	BL	BL	BL	BL	d.(*1)
M324-2	BL	BL	BL	BL	BL
M325	BL	BL	BL	BL	BL
M326	BL	BL	BL	BL	BL

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M327	BL	BL	BL	BL	n.a.
M328	BL	BL	BL	BL	n.a.
M329	BL	BL	BL	BL	d.(*1)
M330	BL	BL	BL	BL	BL
M331	BL	d.(*1)	BL	BL	n.a.
M332a	BL	BL	BL	BL	BL
M332b	BL	BL	BL	BL	BL
M333a	BL	BL	BL	BL	BL
M333b	BL	BL	BL	BL	BL
M334	BL	BL	BL	BL	BL
M335	BL	BL	BL	BL	BL
M336a	BL	BL	BL	BL	BL
M337a	BL	BL	BL	BL	BL
M337b	BL	BL	BL	BL	BL
M338	BL	BL	BL	BL	BL
M339	BL	BL	BL	BL	BL
M340	BL	BL	BL	BL	BL
M341	BL	BL	BL	BL	BL
M342	BL	BL	BL	BL	BL
M343	BL	BL	BL	BL	BL
M344	BL	BL	BL	BL	BL
M345	BL	BL	BL	BL	BL
M346	BL	BL	BL	BL	BL
M347	BL	BL	BL	BL	BL
M348	BL	BL	BL	BL	n.a.
M349	BL	BL	BL	BL	BL
M350	BL	BL	BL	BL	BL
M351	BL	BL	BL	BL	BL
M352	BL	BL	BL	BL	d.(*1)
M353	BL	BL	BL	BL	d.(*1)
M354	BL	BL	BL	BL	BL
M355	BL	BL	BL	BL	BL
M356	BL	BL	BL	BL	d.(*1)
M357	BL	BL	BL	BL	BL
M358	BL	BL	BL	BL	BL
M359	BL	BL	BL	BL	BL
M360a	BL	BL	BL	BL	BL
M361	BL	BL	BL	BL	BL

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Abbreviation:	Pb	=	Lead
	Cd	=	Cadmium
	Hg	=	Mercury
	Cr	=	Chromium
	Br	=	Bromine
	n.a.	=	Not applicable
	BL	=	Below limit
	OL	=	Over limit
	d.	=	Detected

Remark:

- (*1) The screening result was detected in the inconclusive region or over limits, thus the further wet chemistry tests are suggested.
- (*2) Component(s)/ materials(s) with an area of less than 2 mm x 2 mm will not be selected for testing according to RoHS Directive 2011/65/EU due to technical reason.
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.
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.
All other materials will be sampled and tested at one test point representatively.
- (*3) The Chromium (Cr) and Bromine (Br) in the above result table indicate the total chromium and total bromine by means of XRF screening. PBBs, or PBDEs content shall be further confirmed with reference to IEC 62321-6:2015. Chromium (VI) shall be further confirmed with reference to IEC 62321-7-1:2015, IEC 62321-7-2:2017 or EN ISO 17075-1:2017.

XRF Screening limits for different matrices :

Material	Concentration (%)				
	Cd	Cr	Pb	Hg	Br
Polymeric	BL≤0.006<X<0.014≤ OL	BL≤0.064<X	BL≤0.067<X<0.133≤ OL	BL≤0.066<X< 0.134≤OL	BL≤0.029<X
Metallic	BL≤0.006<X<0.014≤ OL	BL≤0.064<X	BL≤0.067<X<0.133≤ OL	BL≤0.066<X< 0.134≤OL	n.a.
Composite materials	BL≤0.004<X<0.016≤ OL	BL≤0.044<X	BL≤0.047<X<0.153≤ OL	BL≤0.046<X< 0.154≤OL	BL≤0.024<X

Remark: The symbol "X" marks the region where further investigation is necessary.

	Cd	Cr(VI)	Pb	Hg	PBBs	PBDEs
Maximum permissible Limit (%)	0.01	0.1	0.1	0.1	0.1	0.1

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Cadmium, Lead, Chromium (VI), Mercury, Polybrominated biphenyls (PBB) and Polybrominated diphenyl ethers (PBDE)

Test Method: Total Cadmium, Lead, Mercury, Chromium
- Ref. to IEC 62321-4:2013+AMD1:2017 and IEC 62321-5:2013

Chromium (VI)
- For Metal material - Ref. to IEC 62321-7-1:2015
- For Polymer, Electronic material or others materials – Ref. to IEC 62321-7-2:2017

PBBs, PBDEs – Ref. to IEC 62321-6:2015

Test Result:

	Cd	Cr(VI)	Pb	Hg	PBBs	PBDEs
Maximum Permissible Limit (%)	0.01	0.1	0.1	0.1	0.1	0.1

Material No.	(%)					
	Cd	Cr^{VI}	Pb	Hg	PBBs	PBDEs
	RL (%)					
	0.001	0.001	0.001	0.001	0.01	0.01
M024	n.a.	n.a.	n.a.	n.a.	< RL	< RL
M104	n.a.	n.a.	< RL	n.a.	n.a.	n.a.
M138	n.a.	n.a.	(*5)	n.a.	n.a.	n.a.
M139-1	n.a.	n.a.	(*5)	n.a.	n.a.	n.a.
M140	n.a.	n.a.	0.0147	n.a.	n.a.	n.a.
M141-1	n.a.	n.a.	(*4)(*5)	n.a.	n.a.	n.a.
M145	n.a.	n.a.	0.144(*4)	n.a.	n.a.	n.a.
M148-1	< RL	n.a.	(*5)	n.a.	n.a.	n.a.
M158	n.a.	n.a.	(*4)(*5)	n.a.	n.a.	n.a.
M184	n.a.	n.a.	(*5)	n.a.	n.a.	n.a.
M232	n.a.	n.a.	(*5)	n.a.	< RL	< RL
M252	n.a.	n.a.	n.a.	n.a.	< RL	< RL
M302-1	n.a.	n.a.	n.a.	n.a.	< RL	< RL
M303-1	n.a.	n.a.	2.18(*3)	n.a.	n.a.	n.a.
M306-1	n.a.	n.a.	n.a.	n.a.	< RL	< RL
M314	n.a.	n.a.	2.95(*3)	n.a.	n.a.	n.a.
M316	n.a.	n.a.	n.a.	n.a.	< RL	< RL
M317	n.a.	n.a.	n.a.	n.a.	< RL	< RL
M323	n.a.	n.a.	n.a.	n.a.	< RL	< RL
M329	n.a.	n.a.	n.a.	n.a.	< RL	< RL
M352	n.a.	n.a.	n.a.	n.a.	< RL	< RL

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M353	n.a.	n.a.	n.a.	n.a.	< RL	< RL
M356	n.a.	n.a.	n.a.	n.a.	< RL	< RL

Material No.	Chromium VI content for metal materials ($\mu\text{g}/\text{cm}^2$) (*1) RL: 0.10 $\mu\text{g}/\text{cm}^2$
M021	Negative
M022	Negative
M041	Negative
M051	Negative
M052	Negative
M053	Negative
M069	Negative
M073	Negative
M089	Negative
M090	Negative
M094	Negative
M096	Negative
M115	Negative
M120	Negative
M123	Negative
M124	Negative
M147	Negative
M194	Negative
M207	Negative
M284	Negative
M331	Negative

Material No.	Chromium VI content for other materials (%) RL: 0.01%
M140	< RL

Abbreviation:	Pb	= Lead
	Cd	= Cadmium
	Hg	= Mercury
	Cr	= Chromium
	Cr (VI)	= Chromium (VI)
	PBBs	= Total Polybrominated Biphenyls
	PBDEs	= Total Polybrominated Diphenyl Ethers
	<	= Less than
	RL	= Reporting Limit
	n.a.	= Not Applicable
	^	= The total Chromium have been determined
	%	= Percentage

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Remark:

- (*1) The Chromium (VI) content of metal sample 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 (-ve) 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 (+ve) for 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 Chromium (VI) content of polymer sample or electronic sample have been confirmed with reference to IEC 62321-7-2:2017
- (*3) According to (EU) 2025/2364 and Annex III of directive 2011/65/EU, 6(c), as a copper alloy containing up to 4% lead by weight are exempted from requirement. This exemption applies to testing sample No.: M303-1, M314.
It is considered that M303-1, M314 may be placed in the mouth by children, so the the rate of lead release from such material has been performed and does not exceed $0.05 \mu\text{g}/\text{cm}^2$ per hour, detailed results can refer to subsequent page(s).
- (*4) According to (EU) 2025/2363 and Annex III of directive 2011/65/EU, 7(c)-I, Electrical and electronic components containing lead in a glass or ceramic other than dielectric ceramic in capacitors, e.g. piezoelectronic devices, or in a glass or ceramic matrix compound is exempted from requirement. This exemption applies to testing sample No.: M141-1, M145, M158.
- (*5) According to the declaration of client and (EU) 2025/1802 and Annex III of directive 2011/65/EU, 7 (a), lead in high melting temperature type solders (i.e. lead-based alloys containing 85 % by weight or more lead) is exempted from requirement. This exemption applies to testing sample No.: M138, M139-1, M141-1, M148-1, M158, M184, M232. However, due to the lack of samples the client submitted, the lead content of solder was not further tested.

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Lead Release

Test Method: EN 16711-3:2019

Test Result :

Test No.	Material No.	Trial	Surface area (cm ²)	Test solution volume (ml)	Dilution volume (ml)	Lead released (µg/cm ² /hour)	RL (µg/cm ² /hour)
T001	M303-1	1	1.02	1.5	7.5	<RL	0.01
		2	1.02	1.5	7.5	<RL	0.01
		3	1.02	1.5	7.5	<RL	0.01
		4	1.02	1.5	7.5	<RL	0.01
		5	1.02	1.5	7.5	<RL	0.01
		6	1.02	1.5	7.5	<RL	0.01
T002	M314	1	1.85	2.0	10	<RL	0.01
		2	1.85	2.0	10	<RL	0.01
		3	1.85	2.0	10	<RL	0.01
		4	1.85	2.0	10	<RL	0.01
		5	1.85	2.0	10	<RL	0.01
		6	1.85	2.0	10	<RL	0.01

Abbreviation: < = less than
 RL = Reporting Limit
 ml = milliliters
 cm² = square centimeters
 µg/cm²/hour = micrograms per one square centimeter per hour

Remark:

** The sample of trial 1, 2 and 3 were tested without EN 12472.

*** The sample of trial 4, 5 and 6 were tested according to EN 12472..

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BBP, DBP, DEHP, DIBP content

Test Method: ref. to IEC 62321-8:2017

Test Result:

	BBP	DBP	DEHP	DIBP
Maximum permissible Limit (%)	0.1	0.1	0.1	0.1

Test No.	Material No.	RL (%)			
		BBP	DBP	DEHP	DIBP
		RL (%)			
		0.005	0.005	0.005	0.005
T002	M003a	< RL	< RL	< RL	< RL
T045	M091a	< RL	< RL	< RL	< RL
T064	M308	< RL	< RL	< RL	< RL
T065	M309	< RL	< RL	< RL	< RL
T071	M282	< RL	0.015	< RL	< RL
T072	M283	< RL	0.018	< RL	< RL
T073	M285	< RL	0.020	< RL	< RL
T078	M294	< RL	0.019	< RL	< RL
T085	M188	< RL	< RL	< RL	< RL
T091	M323	< RL	< RL	< RL	< RL
T097	M337a	< RL	< RL	< RL	< RL
T102	M002a-1	< RL	< RL	< RL	< RL
T110	M004a	< RL	0.009	0.008	< RL
T111	M001b	< RL	< RL	< RL	< RL
T112	M003b	< RL	< RL	< RL	< RL
T113	M004b	< RL	< RL	< RL	< RL
T114	M005	< RL	< RL	< RL	< RL
T115	M006	< RL	< RL	< RL	< RL
T116	M007	< RL	< RL	< RL	< RL
T117	M009	< RL	< RL	< RL	< RL
T118	M012	< RL	< RL	< RL	< RL
T119	M295	< RL	< RL	< RL	< RL
T120	M279	< RL	< RL	< RL	< RL
T121	M287	< RL	< RL	< RL	< RL
T122	M291	< RL	< RL	< RL	< RL

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T123	M280	< RL	< RL	< RL	< RL
T124	M288	< RL	< RL	< RL	< RL
T125	M292	< RL	< RL	< RL	< RL
T129	M026a	< RL	< RL	< RL	< RL
T130	M238a	< RL	< RL	< RL	< RL
T131	M239a	< RL	< RL	< RL	< RL
T132	M243a	< RL	< RL	< RL	< RL
T133	M244a	< RL	< RL	< RL	< RL
T134	M246a	< RL	< RL	< RL	< RL
T135	M254a	< RL	< RL	< RL	< RL
T136	M258a	< RL	< RL	< RL	< RL
T137	M264a	< RL	< RL	< RL	< RL
T138	M265a	< RL	< RL	< RL	< RL
T141	M252	< RL	< RL	< RL	< RL
T142	M253	< RL	< RL	< RL	< RL
T143	M259	< RL	< RL	< RL	< RL
T144	M014	< RL	< RL	< RL	< RL
T145	M025	< RL	< RL	< RL	< RL
T146	M033	< RL	< RL	< RL	< RL
T150	M017	< RL	< RL	< RL	< RL
T151	M024	< RL	< RL	< RL	< RL
T152	M031	< RL	< RL	< RL	< RL
T153	M023	< RL	< RL	< RL	< RL
T154	M093	< RL	< RL	< RL	< RL
T155	M100	< RL	< RL	< RL	< RL
T156	M034	< RL	< RL	< RL	< RL
T157	M072	< RL	< RL	< RL	< RL
T158	M133	< RL	< RL	< RL	< RL
T159	M042	< RL	< RL	< RL	< RL
T160	M048	< RL	< RL	< RL	< RL
T161	M049	< RL	< RL	< RL	< RL
T165	M059	< RL	< RL	< RL	< RL
T166	M074	< RL	< RL	< RL	< RL
T167	M082	< RL	< RL	< RL	< RL
T170	M202	< RL	< RL	< RL	< RL

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T171	M076	< RL	< RL	< RL	< RL
T172	M081	< RL	< RL	< RL	< RL
T173	M084a	< RL	< RL	< RL	< RL
T174	M084b	< RL	< RL	< RL	< RL
T175	M085b	< RL	< RL	< RL	< RL
T176	M088b	< RL	< RL	< RL	< RL
T177	M101	< RL	< RL	< RL	< RL
T178	M107	< RL	< RL	< RL	< RL
T179	M108a	< RL	< RL	< RL	< RL
T180	M108b	< RL	< RL	< RL	< RL
T181	M149	< RL	< RL	< RL	< RL
T182	M255b	< RL	< RL	< RL	< RL
T183	M111	< RL	< RL	< RL	< RL
T184	M116	< RL	< RL	< RL	< RL
T185	M128	< RL	< RL	< RL	< RL
T186	M117	< RL	< RL	< RL	< RL
T187	M118	< RL	< RL	< RL	< RL
T188	M126	< RL	< RL	< RL	< RL
T189	M119	< RL	< RL	< RL	< RL
T190	M151	< RL	< RL	< RL	< RL
T192	M129	< RL	< RL	< RL	< RL
T193	M131	< RL	< RL	< RL	< RL
T194	M134	< RL	< RL	< RL	< RL
T195	M130	< RL	< RL	< RL	< RL
T197	M237	< RL	< RL	< RL	< RL
T198	M125	< RL	< RL	< RL	< RL
T199	M150	< RL	< RL	< RL	< RL
T200	M160	< RL	< RL	< RL	< RL
T206	M174	< RL	< RL	< RL	< RL
T207	M178	< RL	< RL	< RL	< RL
T208	M181	< RL	< RL	< RL	< RL
T212	M268	< RL	< RL	< RL	< RL
T213	M214	< RL	< RL	< RL	< RL
T214	M217	< RL	< RL	< RL	< RL
T215	M218	< RL	< RL	< RL	< RL

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T216	M229	< RL	< RL	< RL	< RL
T217	M231	< RL	< RL	< RL	< RL
T218	M233	< RL	< RL	< RL	< RL
T219	M240	< RL	< RL	< RL	< RL
T220	M245	< RL	< RL	< RL	< RL
T221	M249	< RL	< RL	< RL	< RL
T222	M241	< RL	< RL	< RL	< RL
T224	M250	< RL	< RL	< RL	< RL
T225	M256	< RL	< RL	< RL	< RL
T226	M267	< RL	< RL	< RL	< RL
T227	M273	< RL	< RL	< RL	< RL
T228	M255a	< RL	< RL	< RL	< RL
T229	M257	< RL	< RL	< RL	< RL
T230	M266	< RL	< RL	< RL	< RL
T231	M018	< RL	< RL	< RL	< RL
T233	M088a	< RL	< RL	< RL	< RL
T234	M084c	< RL	< RL	< RL	< RL
T235	M097	< RL	< RL	< RL	< RL
T236	M272a	< RL	< RL	< RL	< RL
T237	M036	< RL	< RL	< RL	< RL
T238	M037	< RL	< RL	< RL	< RL
T241	M055	< RL	< RL	< RL	< RL
T243	M068	< RL	< RL	< RL	< RL
T244	M080	< RL	< RL	< RL	< RL
T245	M102a	< RL	< RL	< RL	< RL
T246	M102b	< RL	< RL	< RL	< RL
T247	M155	< RL	< RL	< RL	< RL
T248	M159	< RL	< RL	< RL	< RL
T250	M176	< RL	< RL	< RL	< RL
T251	M182	< RL	< RL	< RL	< RL
T252	M183a	< RL	< RL	< RL	< RL
T254	M215	< RL	< RL	< RL	< RL
T255	M219	< RL	< RL	< RL	< RL
T257	M236	< RL	< RL	< RL	< RL
T258	M260	< RL	< RL	< RL	< RL

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T259	M269	< RL	< RL	< RL	< RL
T260	M274a	< RL	< RL	< RL	< RL
T261	M274b	< RL	< RL	< RL	< RL
T262	M276a	< RL	< RL	< RL	< RL
T263	M278a	< RL	< RL	< RL	< RL
T264	M008	< RL	< RL	< RL	< RL
T265	M067	< RL	< RL	< RL	< RL
T266	M070	< RL	< RL	< RL	< RL
T267	M077	< RL	< RL	< RL	< RL
T268	M112	< RL	< RL	< RL	< RL
T269	M221	< RL	< RL	< RL	< RL
T270	M105	< RL	< RL	< RL	< RL
T271	M106	< RL	< RL	< RL	< RL
T272	M199	< RL	< RL	< RL	< RL
T273	M175	< RL	< RL	< RL	< RL
T274	M298	< RL	< RL	< RL	< RL
T275	M200	< RL	< RL	< RL	< RL
T276	M261	< RL	< RL	< RL	< RL
T277	M272b	< RL	< RL	< RL	< RL
T278	M203	< RL	< RL	< RL	< RL
T279	M277	< RL	< RL	< RL	< RL
T280	M296	< RL	< RL	< RL	< RL
T282	M170-1	< RL	< RL	< RL	< RL
T283	M171-1	< RL	< RL	< RL	< RL
T284	M161-1	< RL	< RL	< RL	< RL
T285	M162-1	< RL	< RL	< RL	< RL
T286	M163-1	< RL	< RL	< RL	< RL
T287	M165-1	< RL	< RL	< RL	< RL
T288	M310	< RL	< RL	< RL	< RL
T290	M325	< RL	< RL	< RL	< RL
T291	M326	< RL	< RL	< RL	< RL
T292	M306-1	< RL	< RL	< RL	< RL
T293	M329	< RL	< RL	< RL	< RL
T296	M043-1	< RL	< RL	< RL	< RL
T299	M135-2	< RL	< RL	< RL	< RL

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T300	M075-1	< RL	< RL	< RL	< RL
T301	M172-1	< RL	< RL	< RL	< RL
T302	M173-1	< RL	< RL	< RL	< RL
T303	M132-1	< RL	< RL	< RL	< RL
T304	M209-1	< RL	< RL	< RL	< RL
T305	M220-1	< RL	< RL	< RL	< RL
T310	M300-1	< RL	< RL	< RL	< RL
T311	M301-1	< RL	< RL	< RL	< RL
T312	M302-1	< RL	< RL	< RL	< RL
T313	M312	< RL	< RL	< RL	< RL
T314	M313	< RL	< RL	< RL	< RL
T315	M315	< RL	< RL	< RL	< RL
T316	M316	< RL	< RL	< RL	< RL
T317	M317	< RL	< RL	< RL	< RL
T318	M304a-1	< RL	< RL	< RL	< RL
T319	M305a-1	< RL	< RL	< RL	< RL
T320	M060-1	< RL	< RL	< RL	< RL
T321	M061-1	< RL	< RL	< RL	< RL
T322	M332a	< RL	< RL	< RL	< RL
T323	M333a	< RL	< RL	< RL	< RL
T324	M336a	< RL	< RL	< RL	< RL
T325	M332b	< RL	< RL	< RL	< RL
T326	M333b	< RL	< RL	< RL	< RL
T327	M337b	< RL	< RL	< RL	< RL
T328	M334	< RL	< RL	< RL	< RL
T329	M335	< RL	< RL	< RL	< RL
T330	M339	< RL	< RL	< RL	< RL
T331	M340	< RL	< RL	< RL	< RL
T332	M341	< RL	< RL	< RL	< RL
T333	M342	< RL	< RL	< RL	< RL
T334	M338	< RL	< RL	< RL	< RL
T335	M343	< RL	< RL	< RL	< RL
T336	M344	< RL	< RL	< RL	< RL
T337	M016-2	< RL	< RL	< RL	< RL
T338	M035-2	< RL	< RL	< RL	< RL

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T339	M054-2	< RL	< RL	< RL	< RL
T340	M058-2	< RL	< RL	< RL	< RL
T341	M230-1	< RL	< RL	< RL	< RL
T342	M349	< RL	< RL	< RL	< RL
T343	M350	< RL	< RL	< RL	< RL
T344	M351	< RL	< RL	< RL	< RL
T345	M299-2	< RL	< RL	< RL	< RL
T346	M353	< RL	< RL	< RL	< RL
T347	M354	< RL	< RL	< RL	< RL
T348	M352	< RL	< RL	< RL	< RL
T349	M355	< RL	< RL	< RL	< RL
T350	M356	< RL	< RL	< RL	< RL
T351	M357	< RL	< RL	< RL	< RL
T352	M358	< RL	< RL	< RL	< RL
T353	M359	< RL	< RL	< RL	< RL
T354	M324-2	< RL	< RL	< RL	< RL
T355	M360a	< RL	< RL	< RL	< RL
T356	M001a-1	< RL	< RL	< RL	< RL
T357	M361	< RL	< RL	< RL	< RL

Abbreviation: BBP= Benzylbutyl phthalate
 DBP= Dibutyl phthalate
 DEHP= Bis(2-ethylhexyl) phthalate
 DIBP= Diisobutyl phthalate
 < = less than
 RL = Reporting Limit
 %= percentage

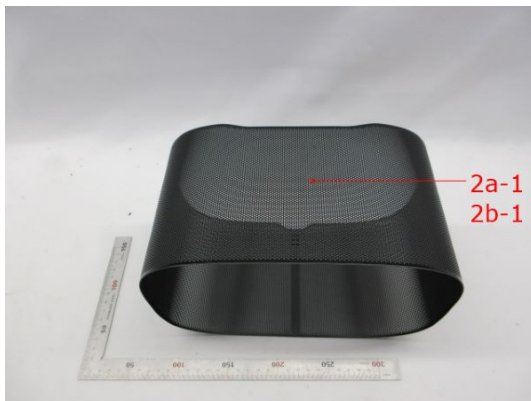
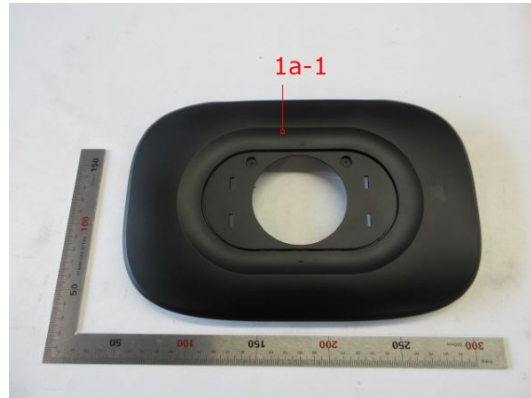
Remark:

- * The maximum permissible limit is required from the amendment (EU) 2015/863 of RoHS Directive 2011/65/EU.

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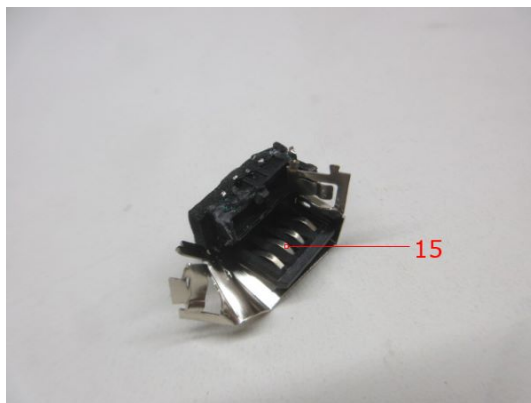
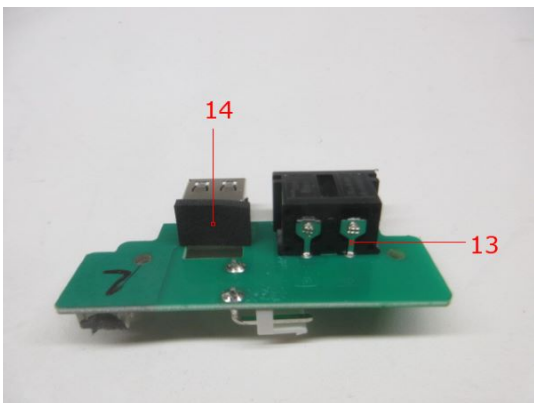
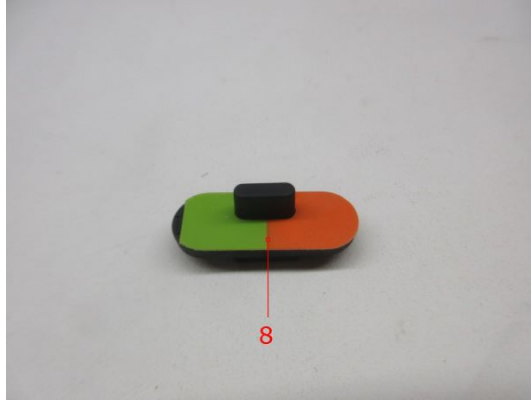
Sample Photos



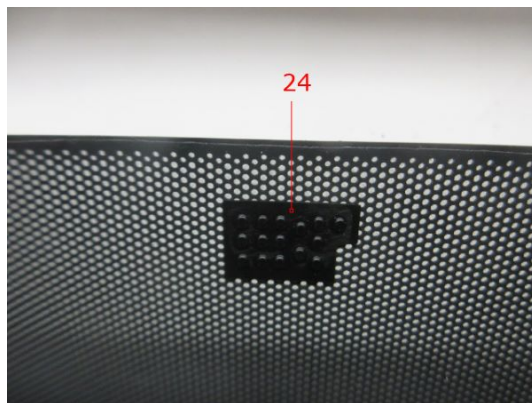
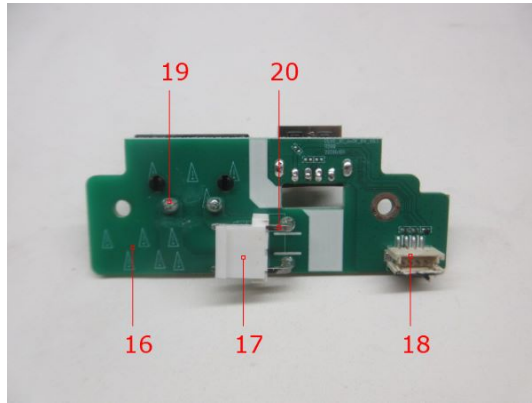
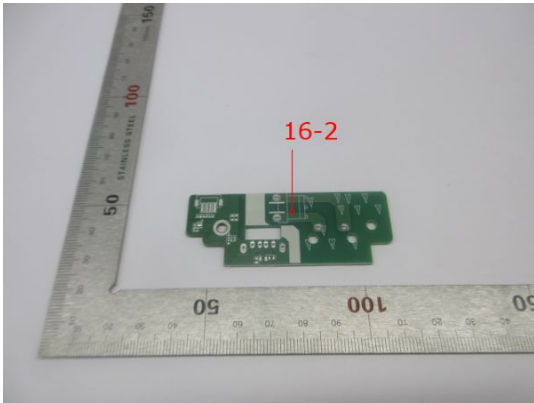
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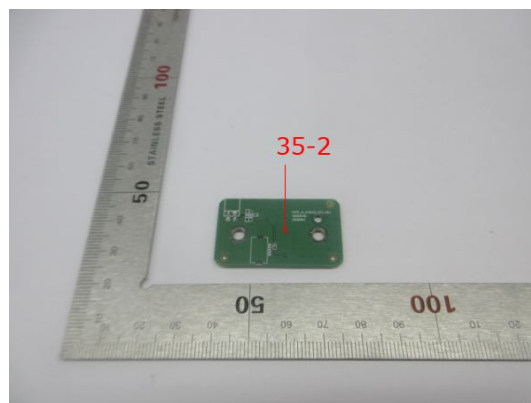
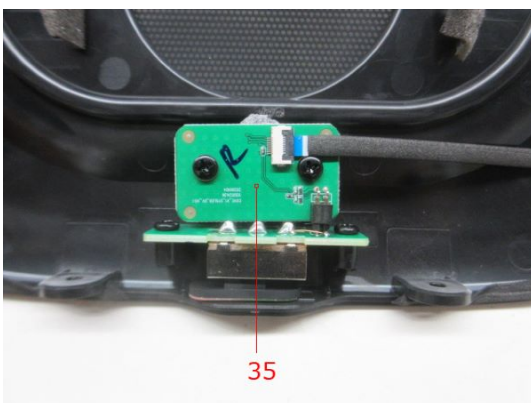
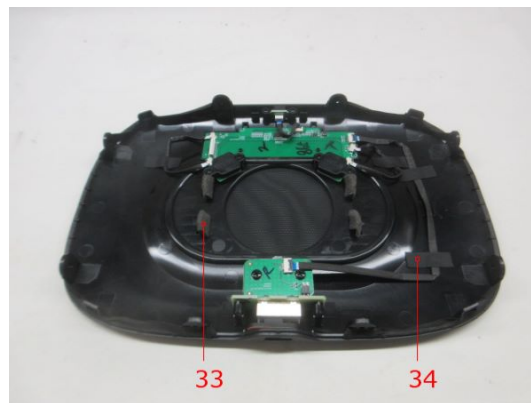
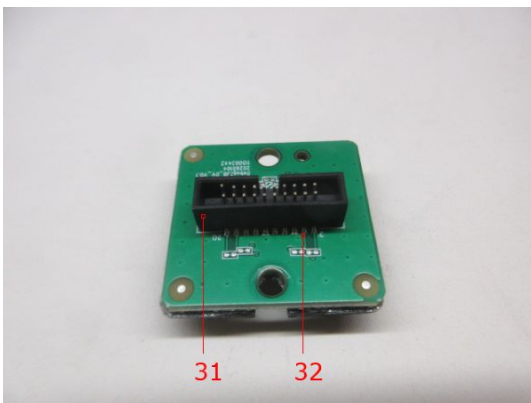
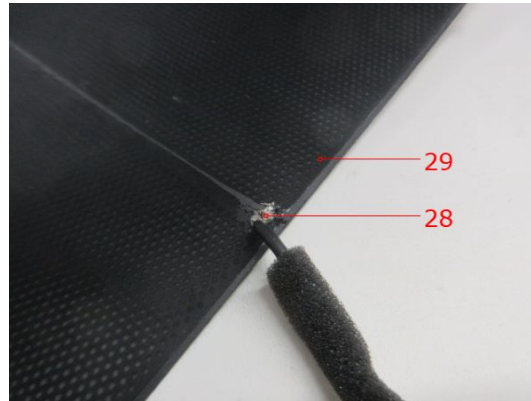
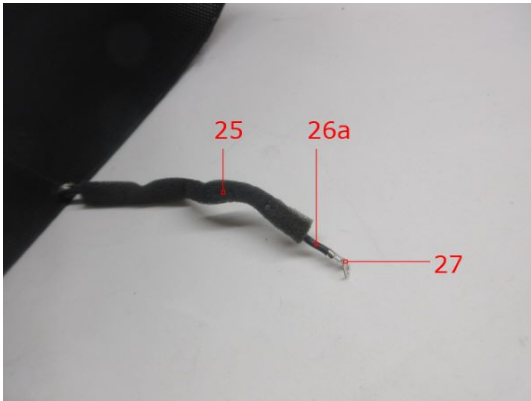
Sample Photos



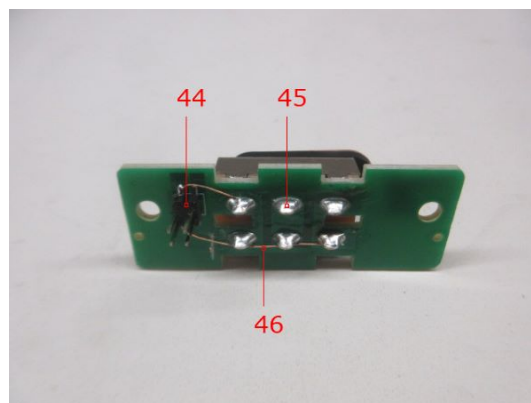
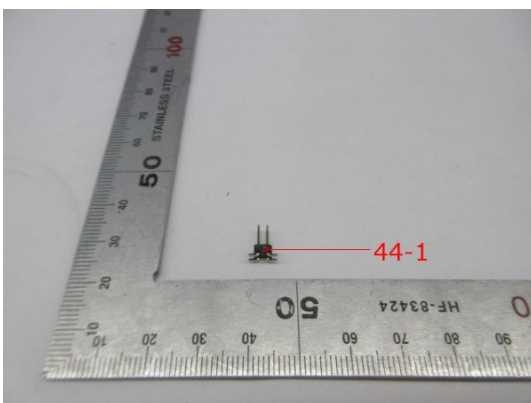
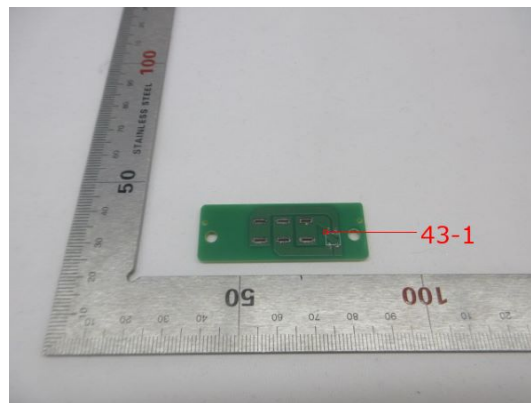
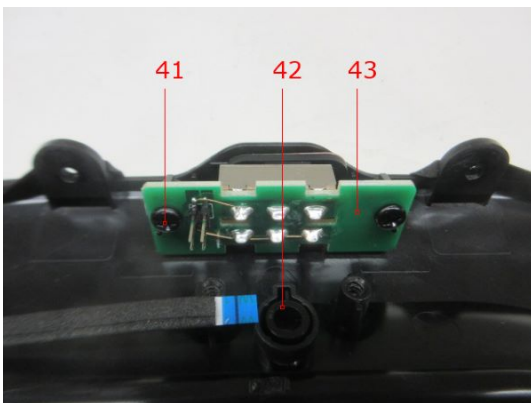
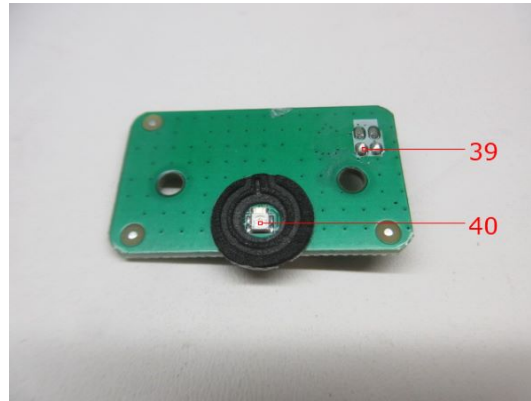
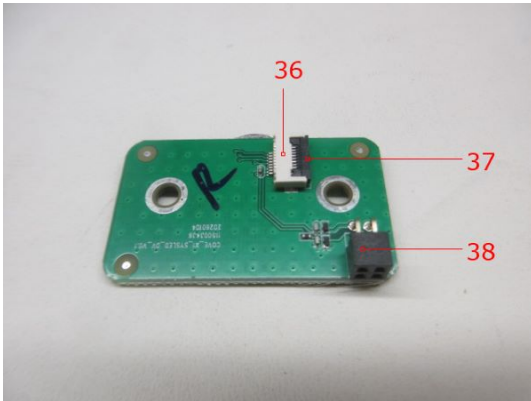
Sample Photos



Sample Photos



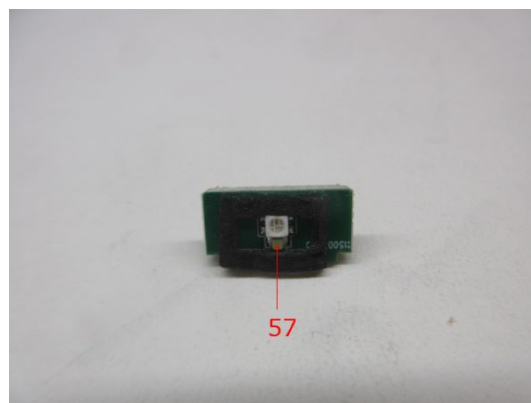
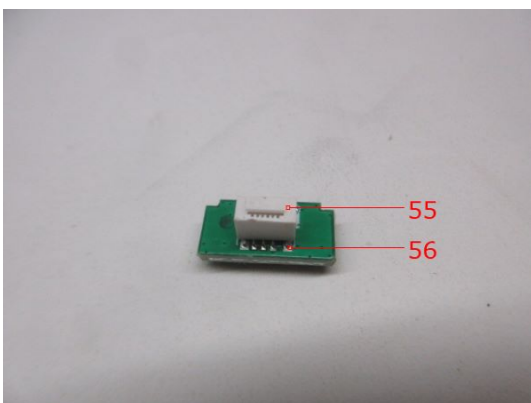
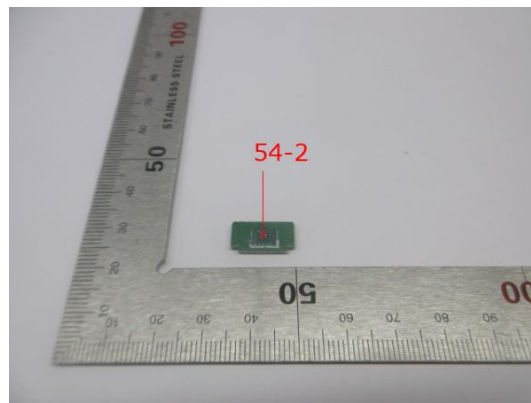
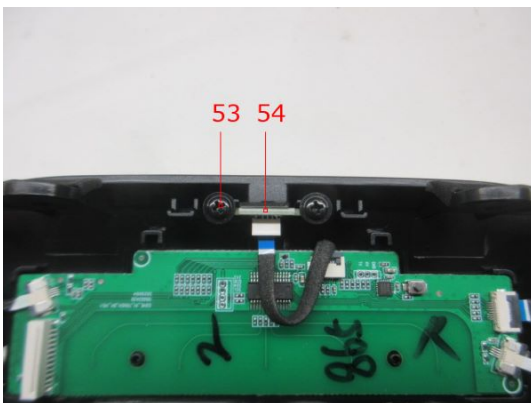
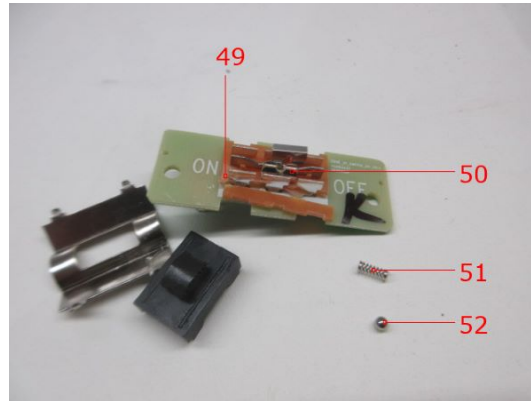
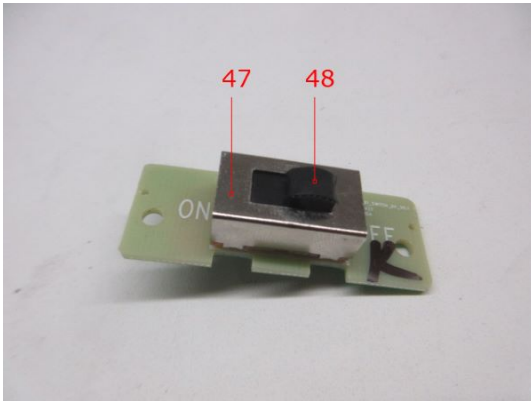
Sample Photos



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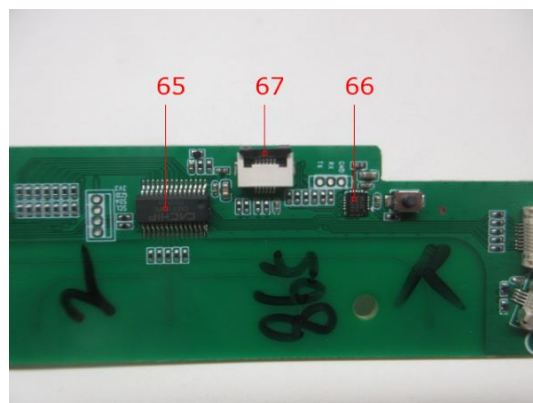
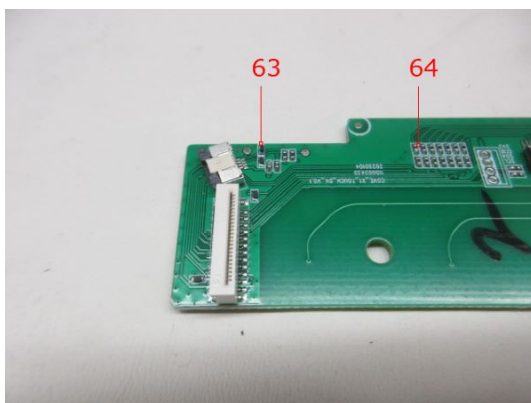
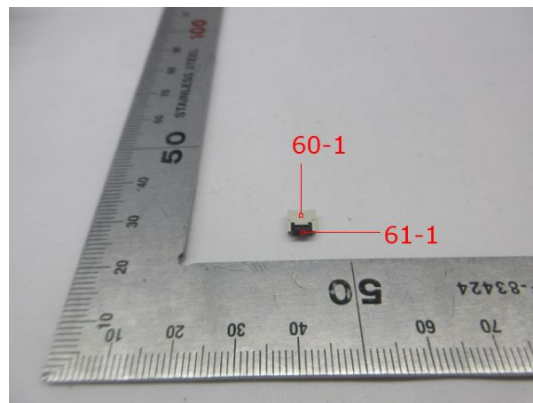
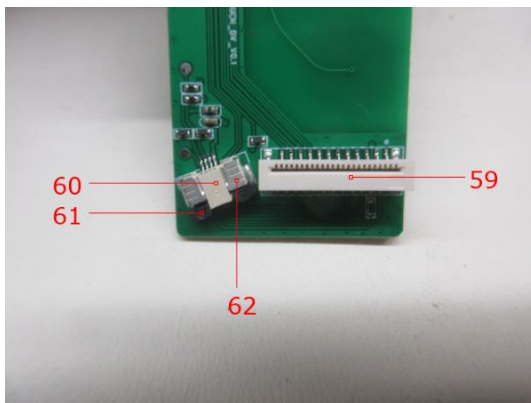
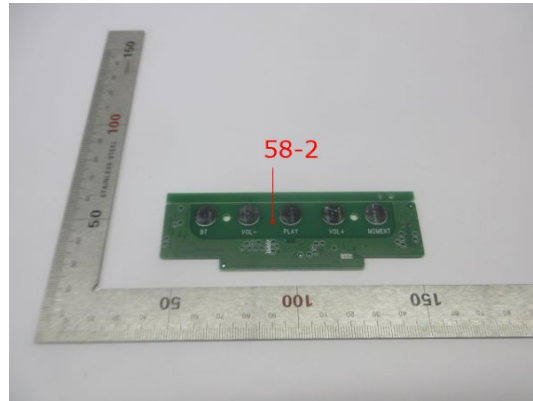
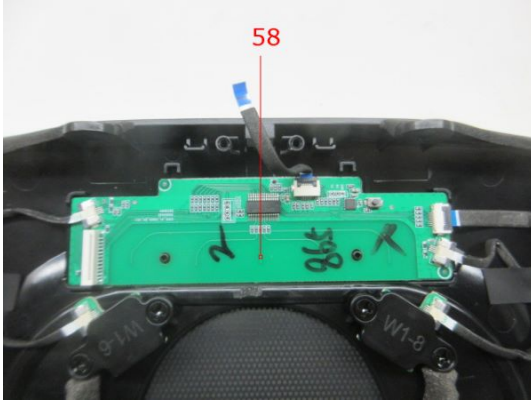
Sample Photos



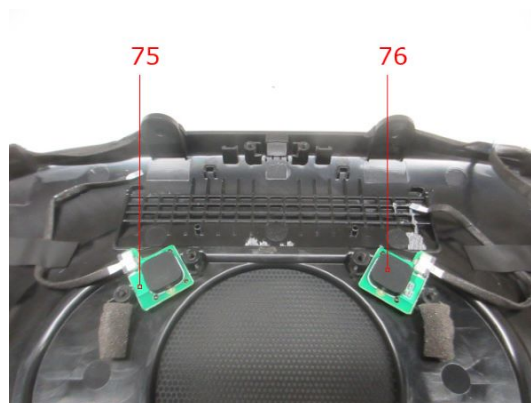
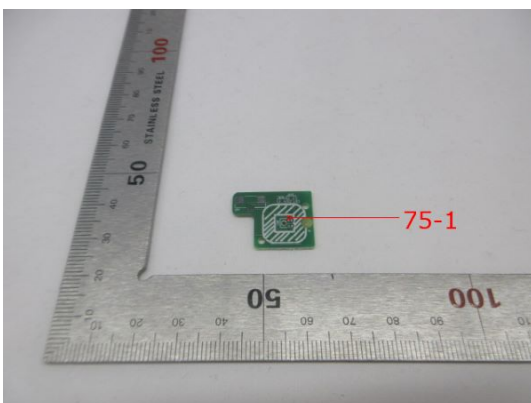
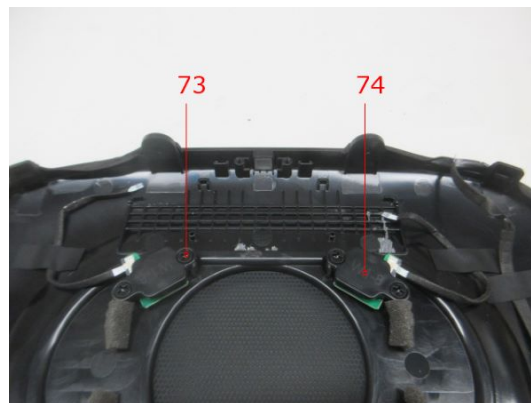
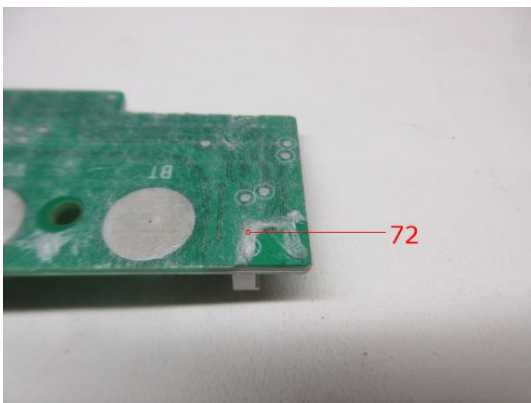
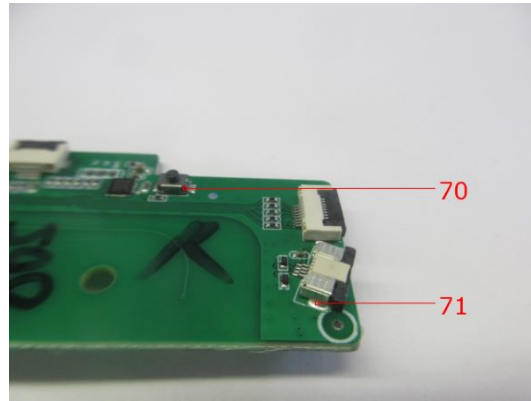
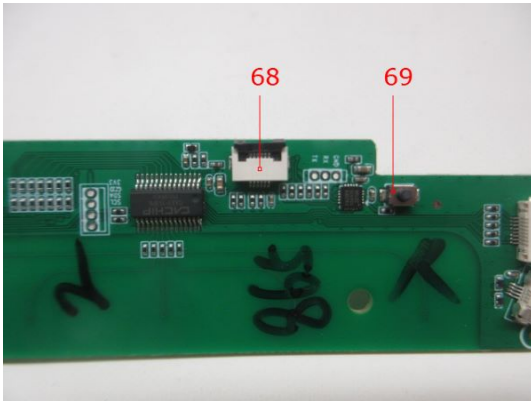
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Sample Photos



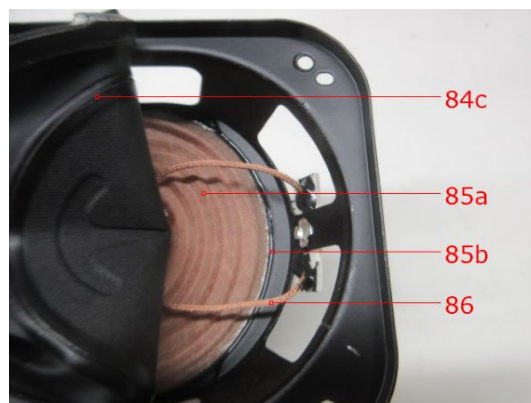
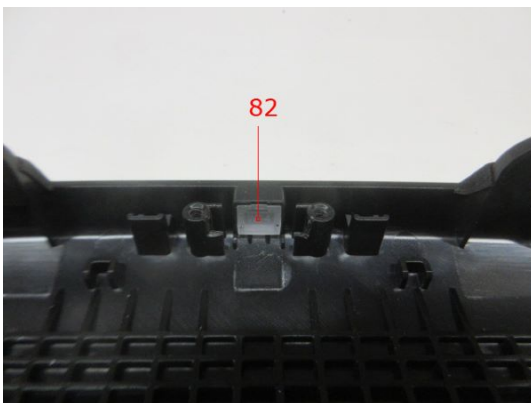
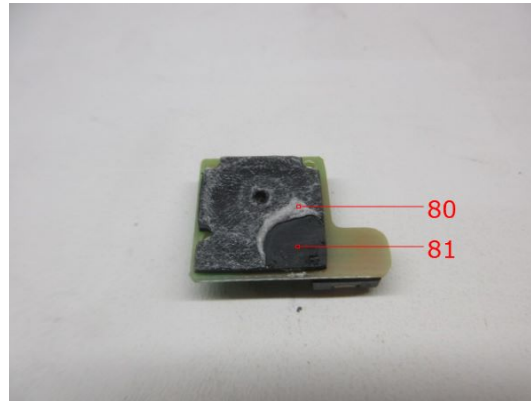
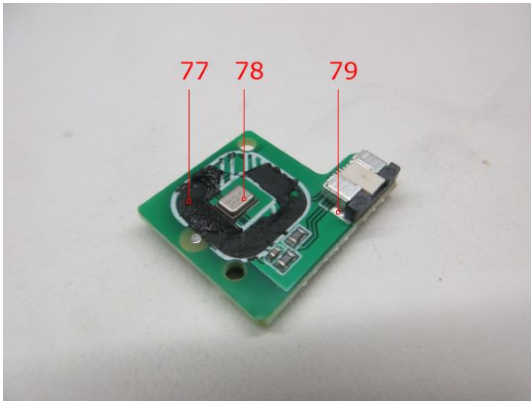
Sample Photos



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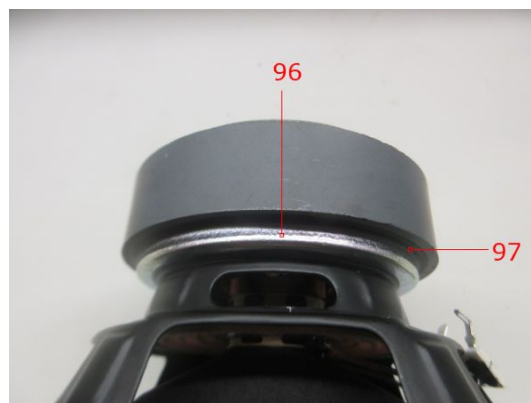
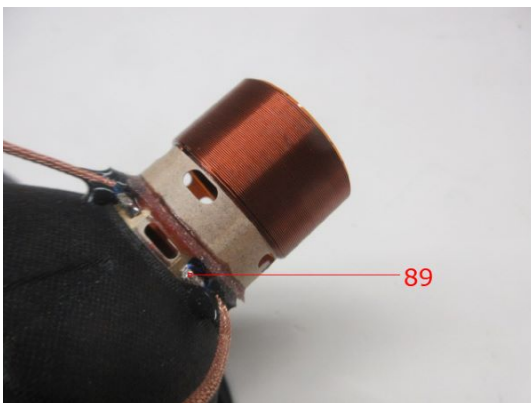
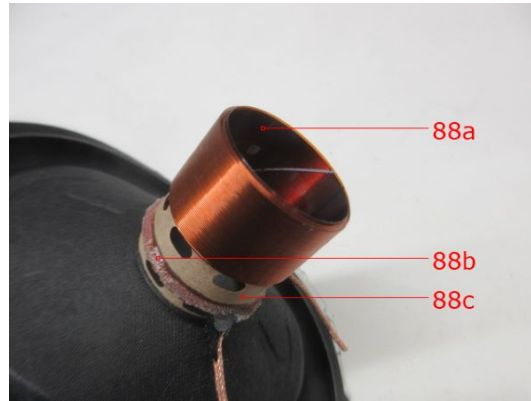
Sample Photos



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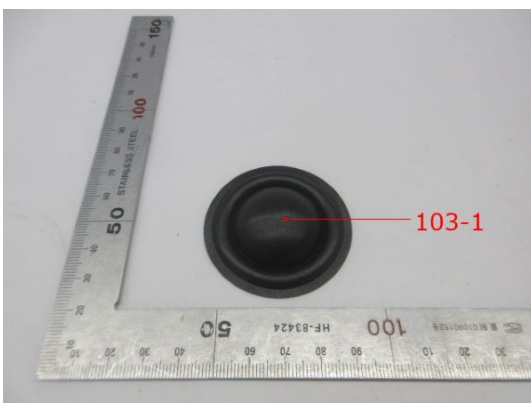
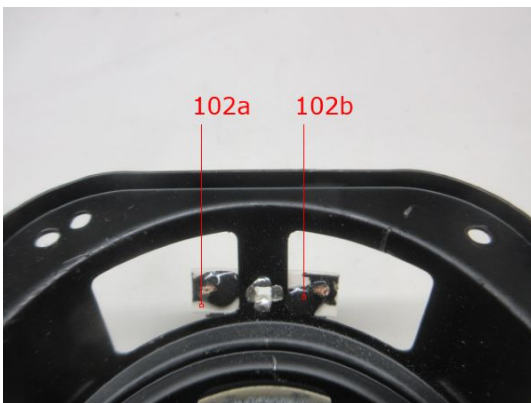
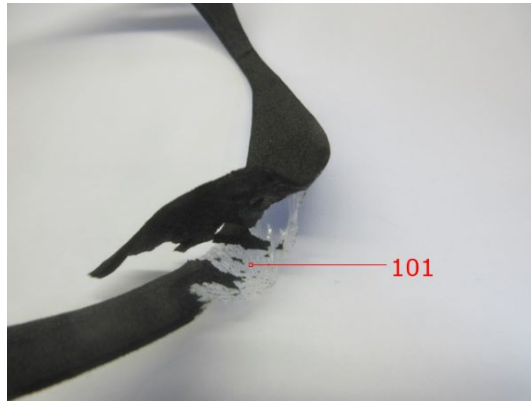
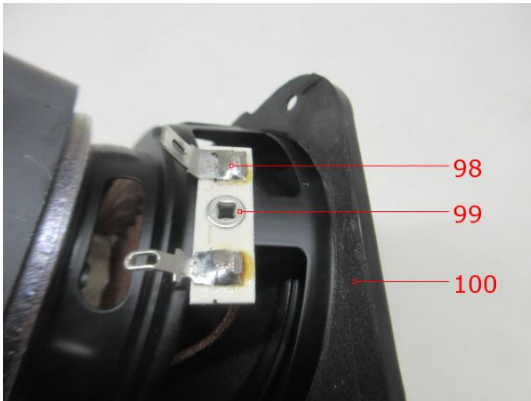
Sample Photos



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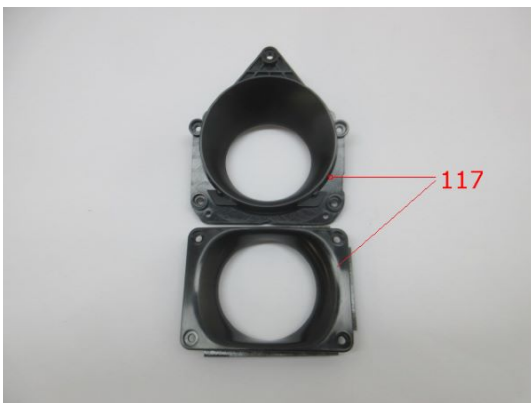
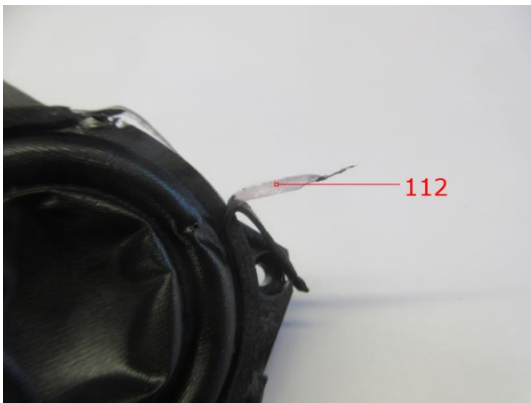
Sample Photos



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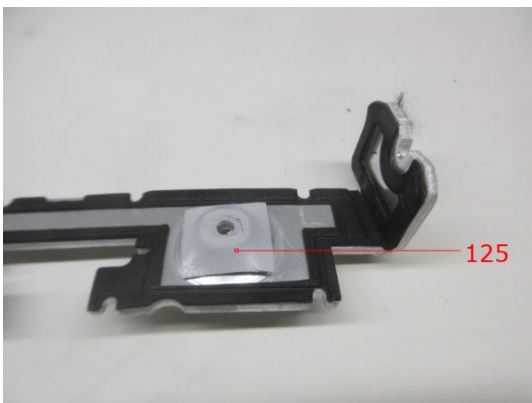
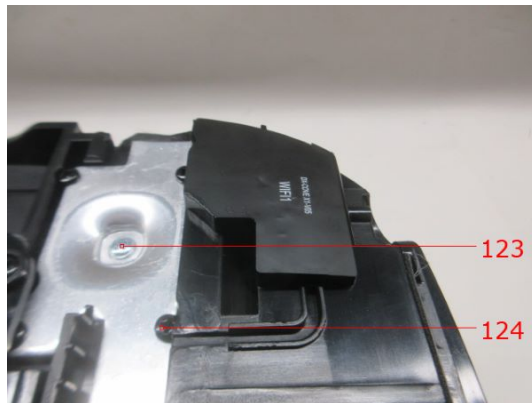
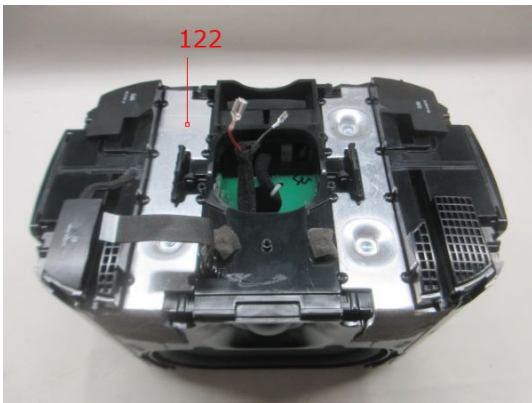
Sample Photos



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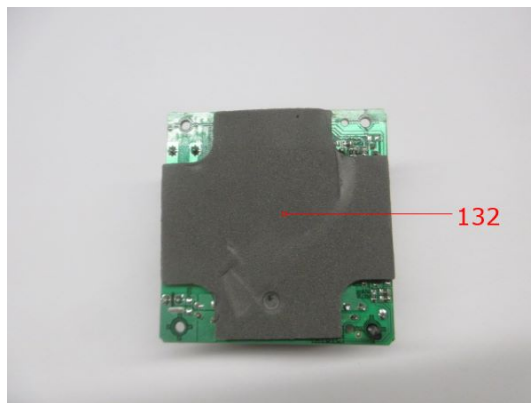
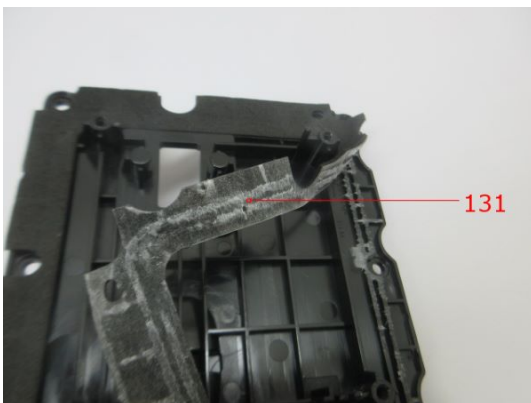
Sample Photos



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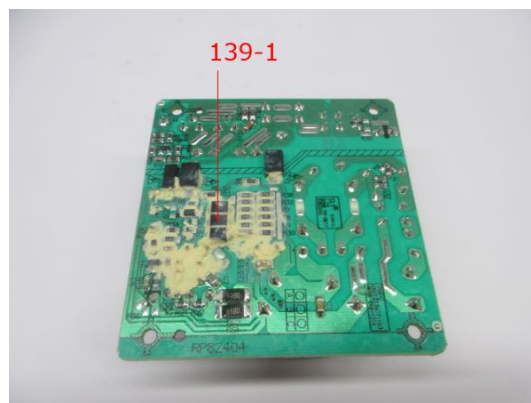
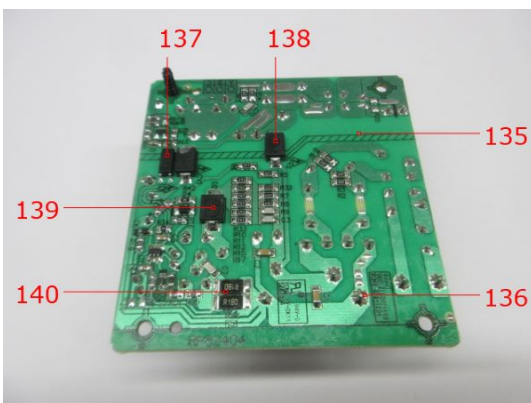
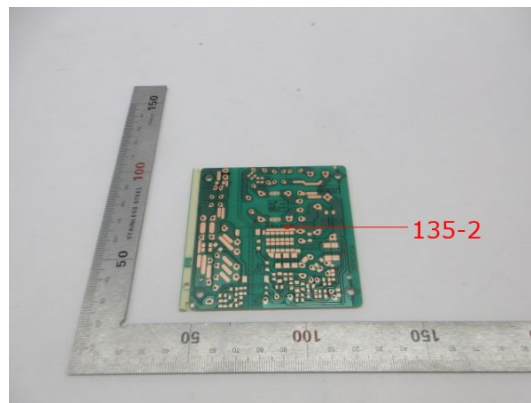
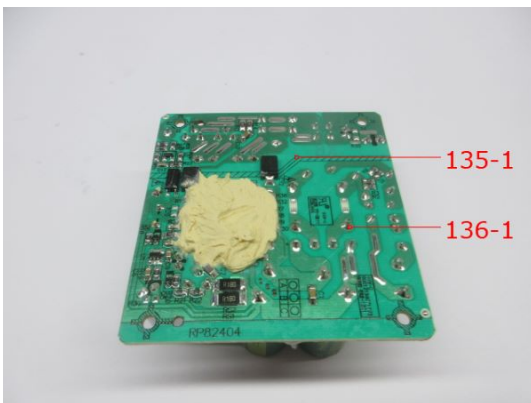
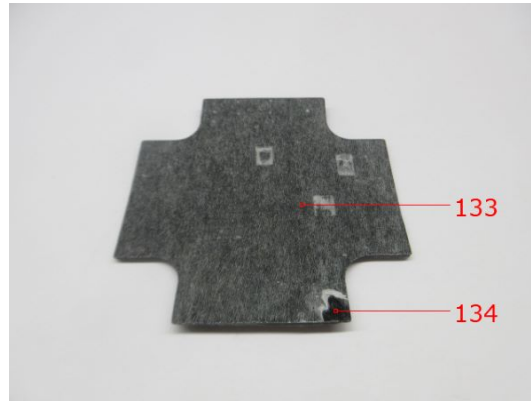
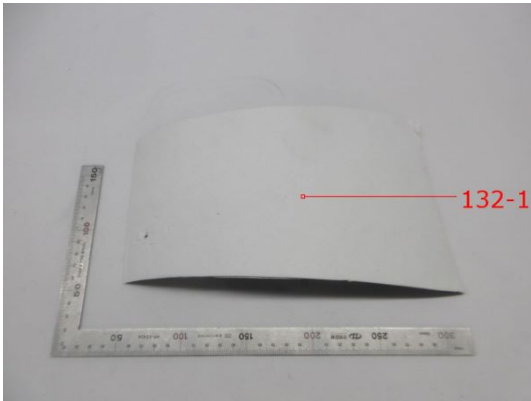
Sample Photos



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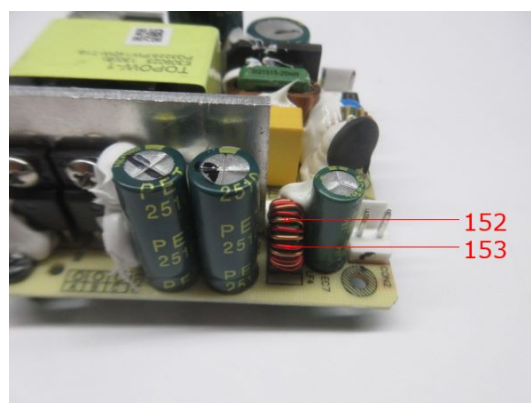
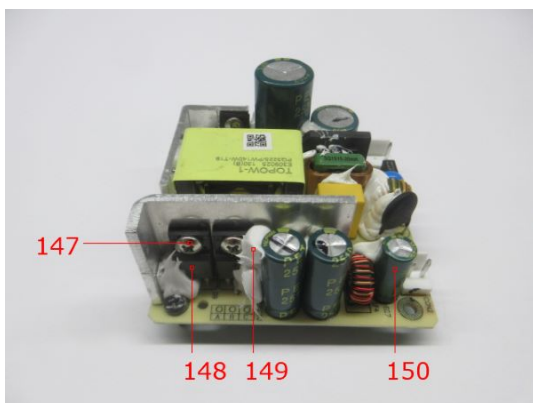
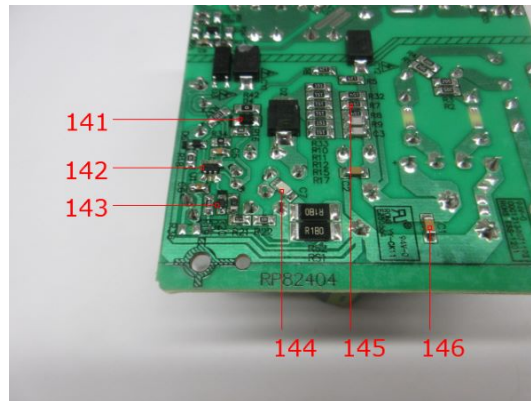
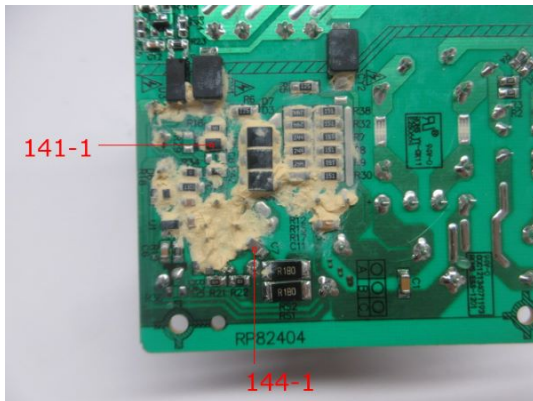
Sample Photos



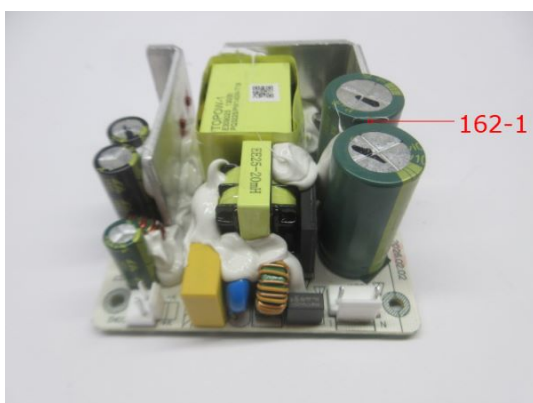
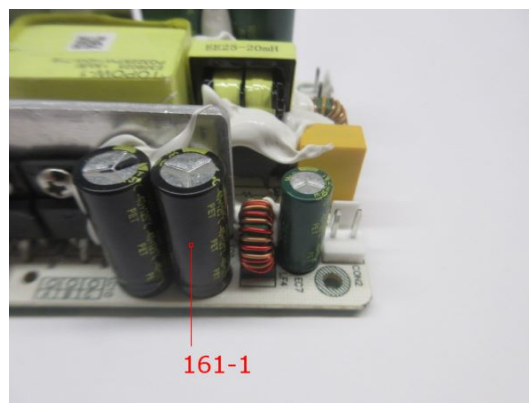
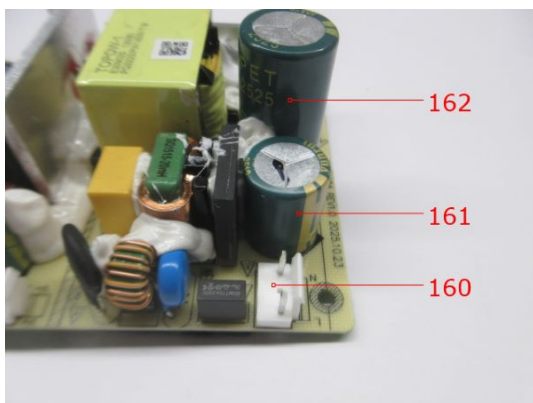
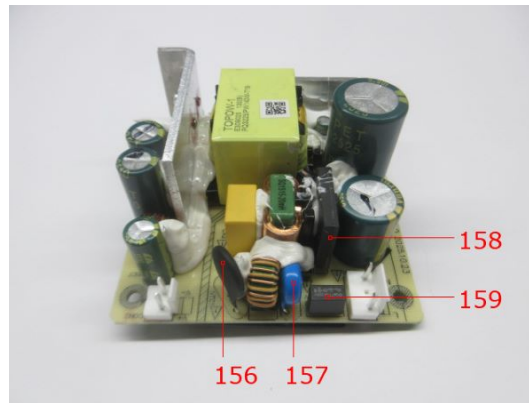
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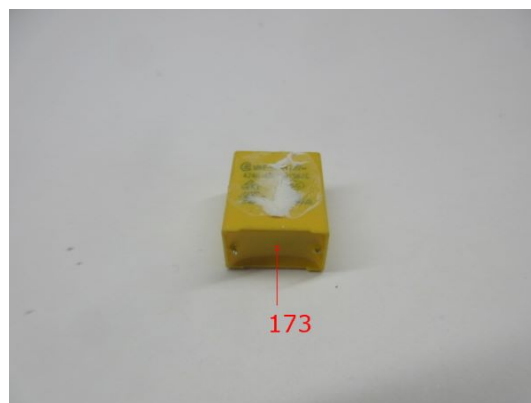
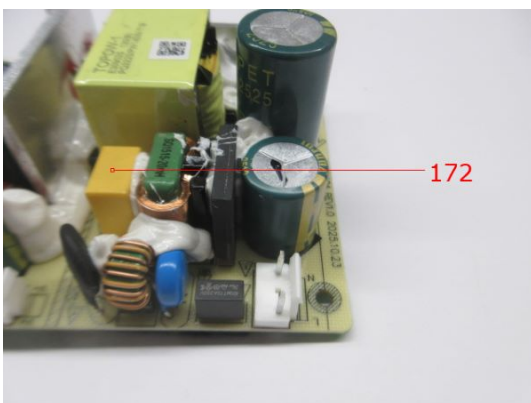
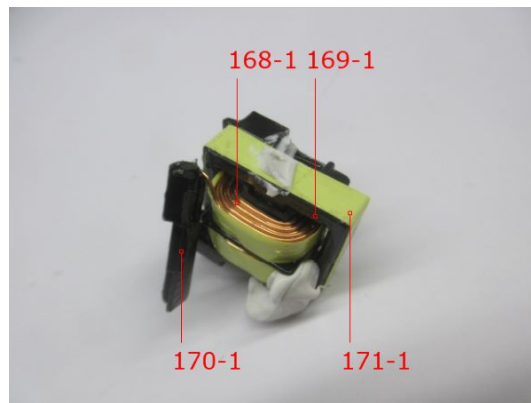
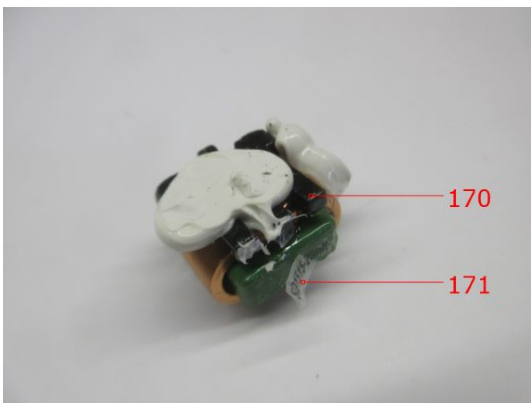
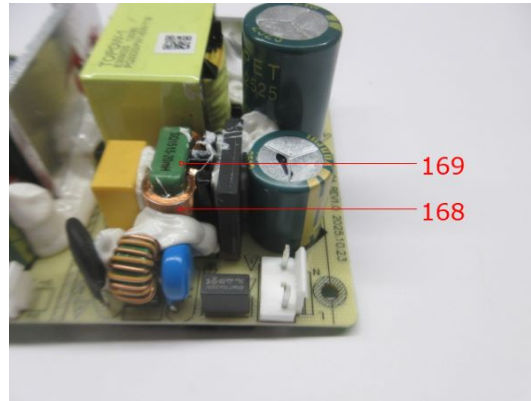
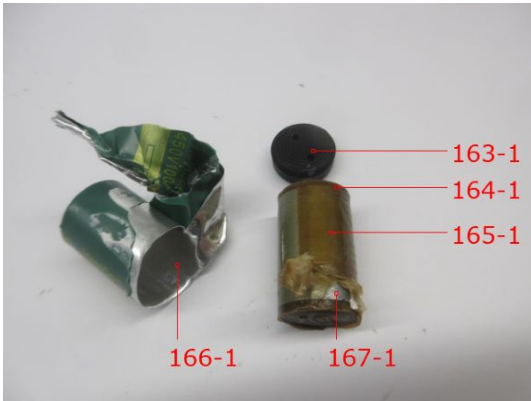
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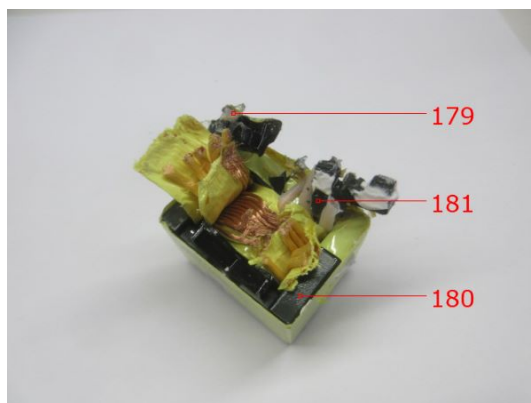
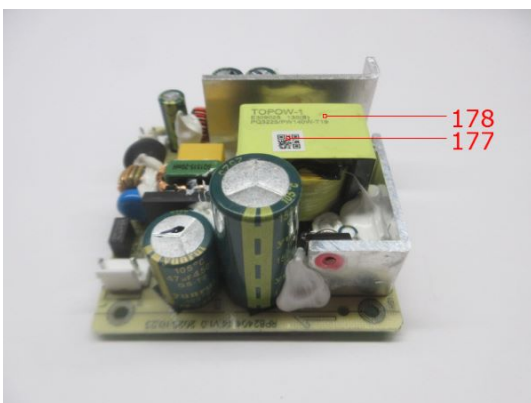
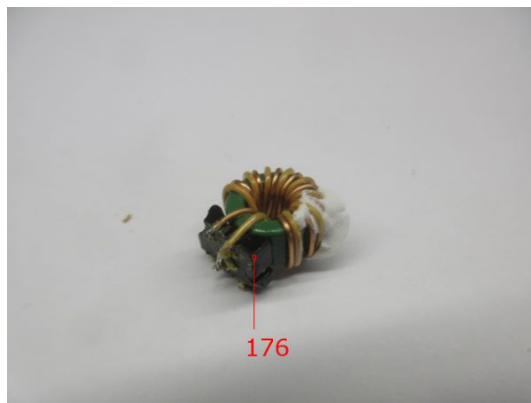
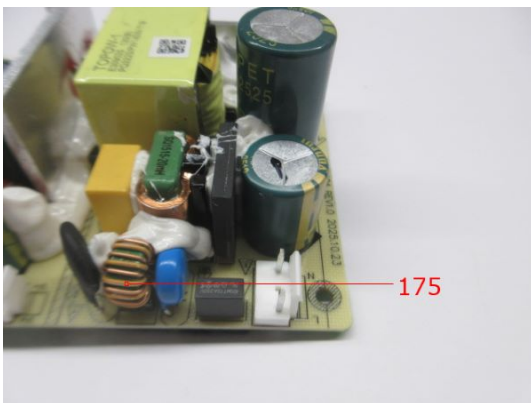
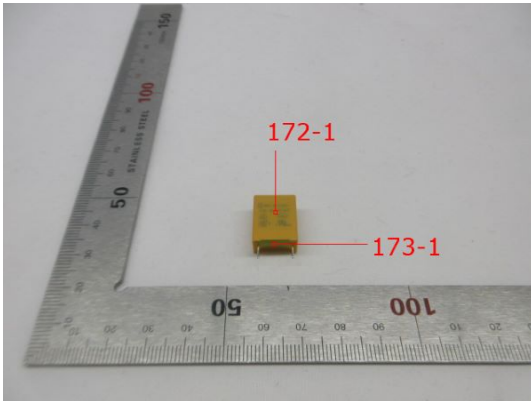
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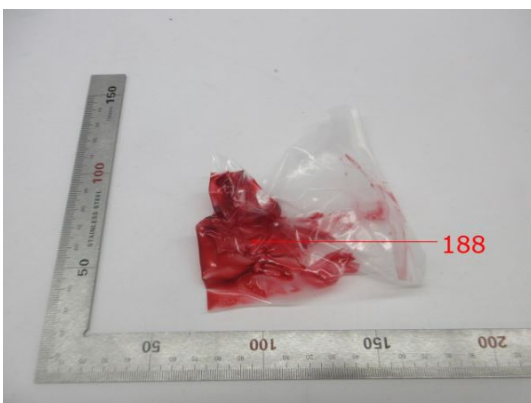
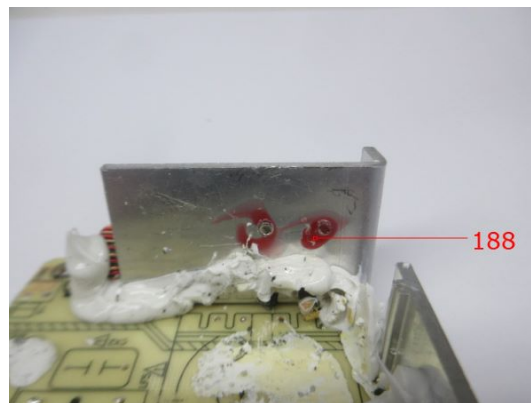
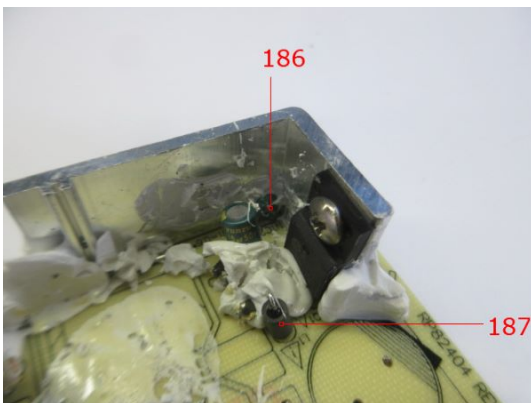
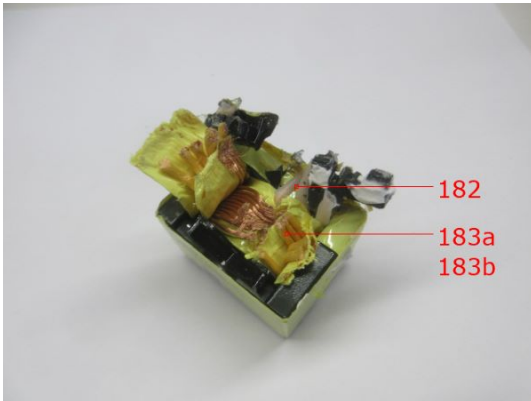
Sample Photos



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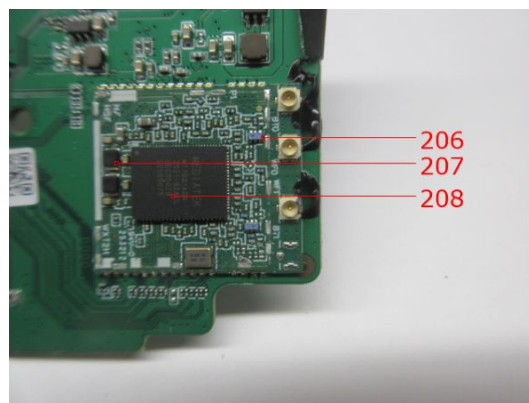
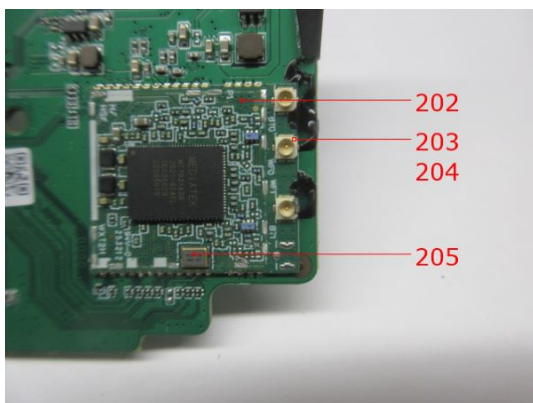
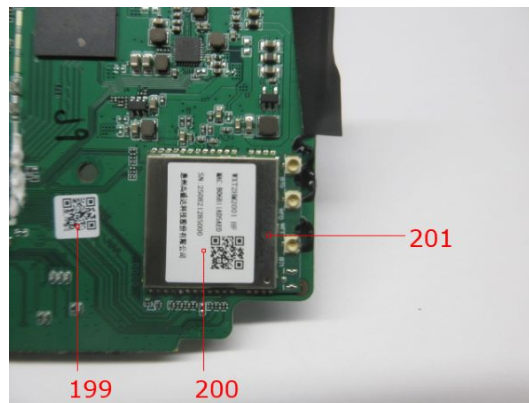
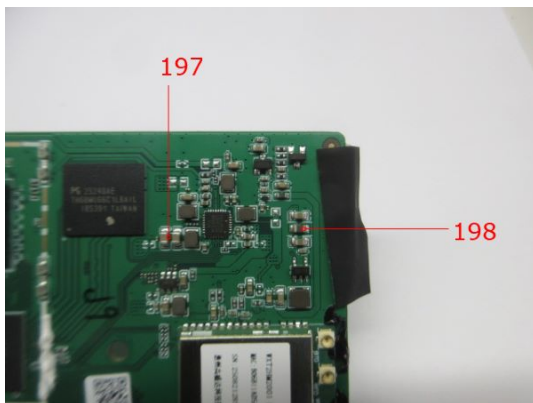
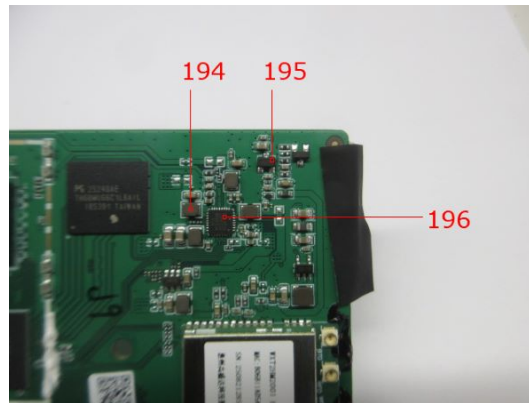
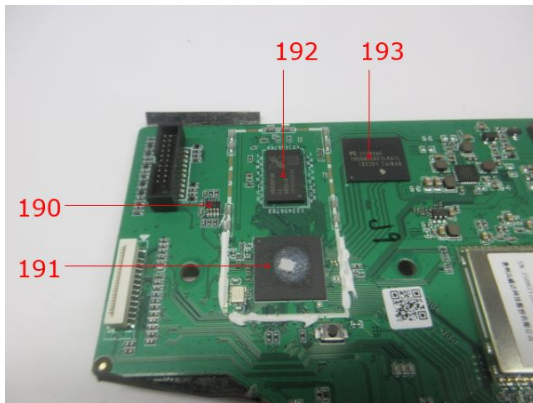
Sample Photos



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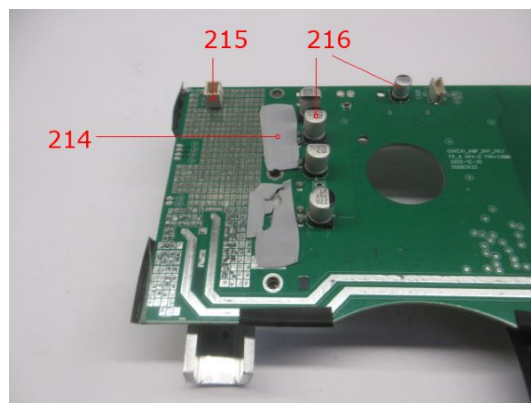
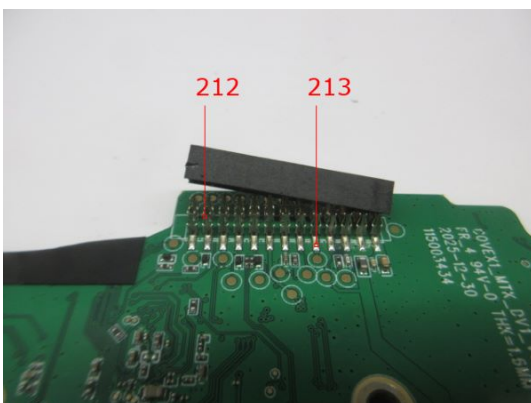
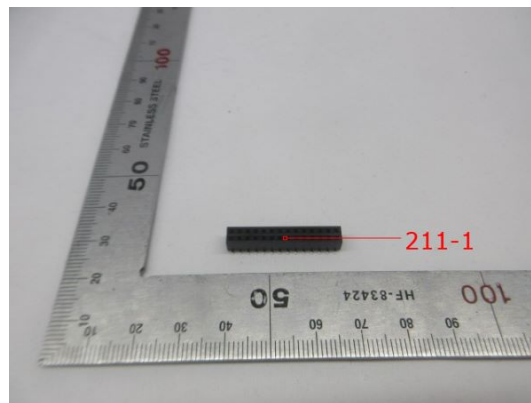
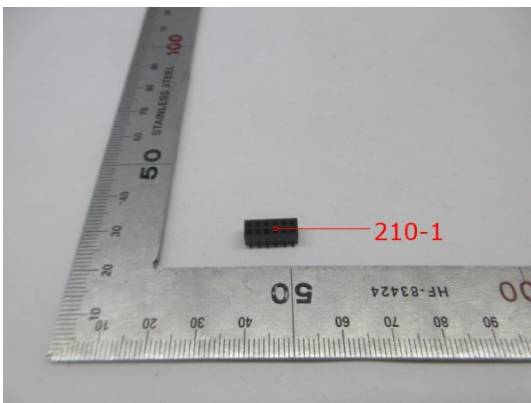
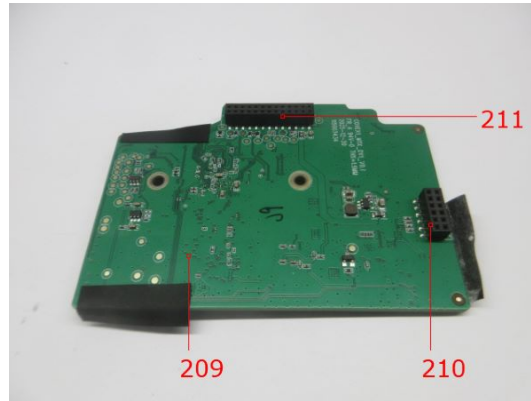
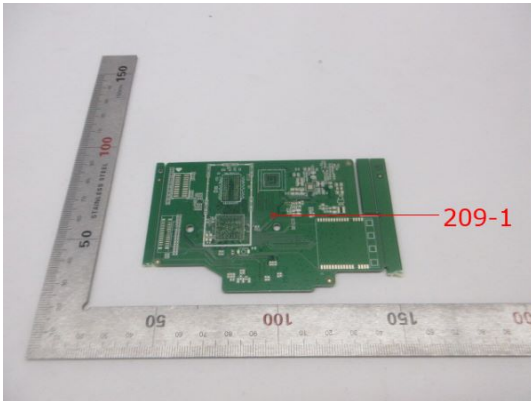
Sample Photos



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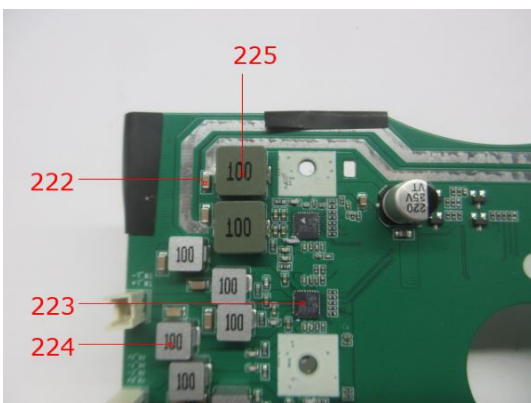
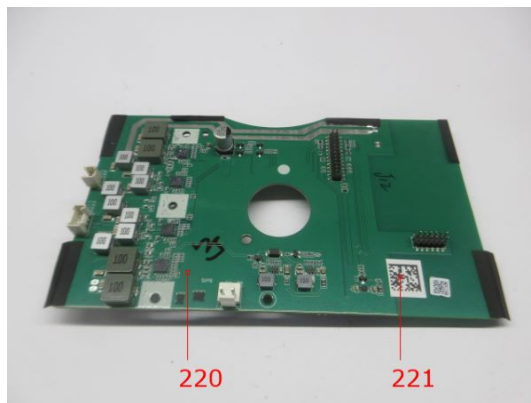
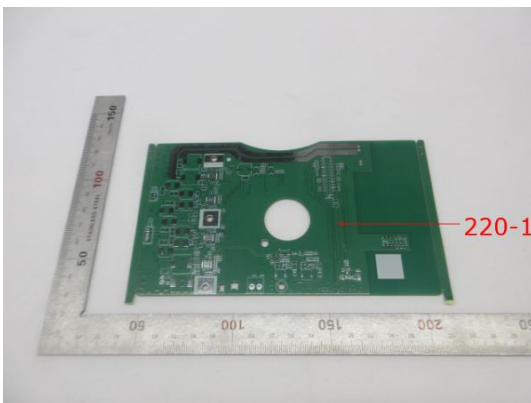
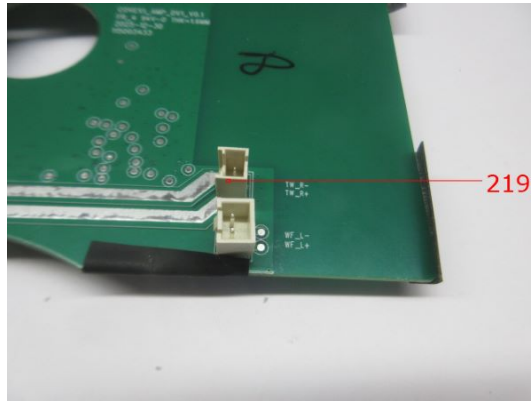
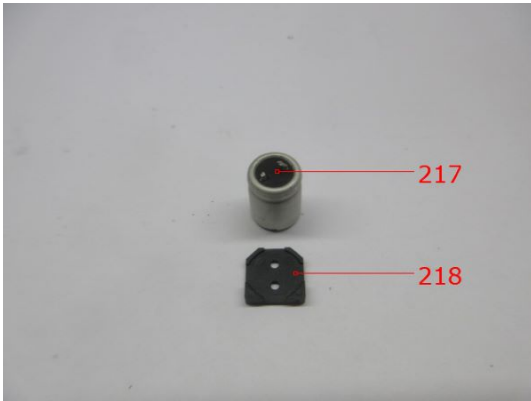
Sample Photos



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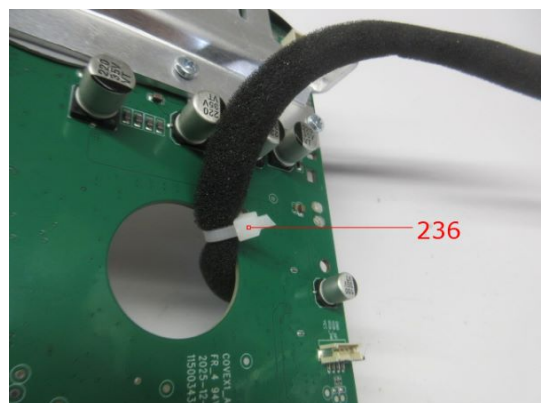
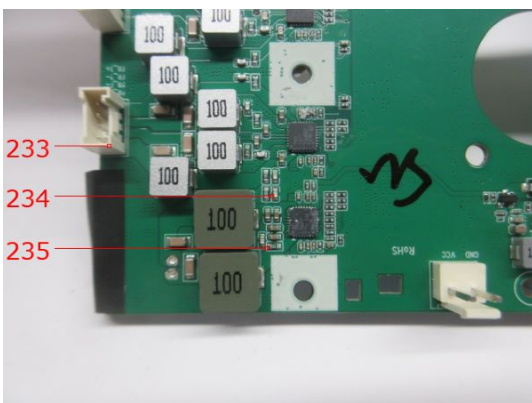
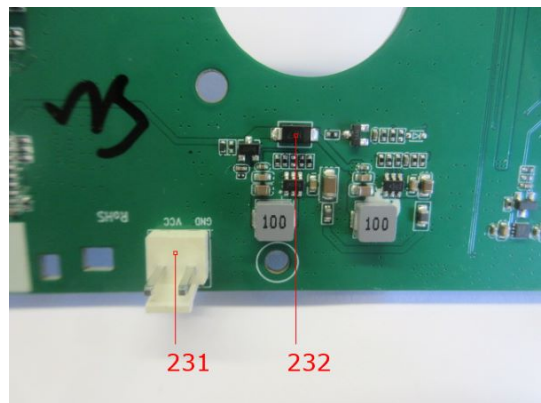
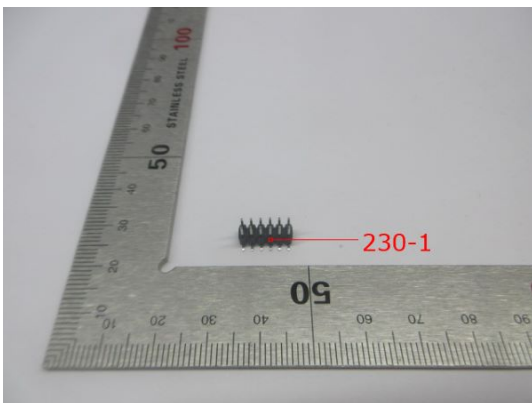
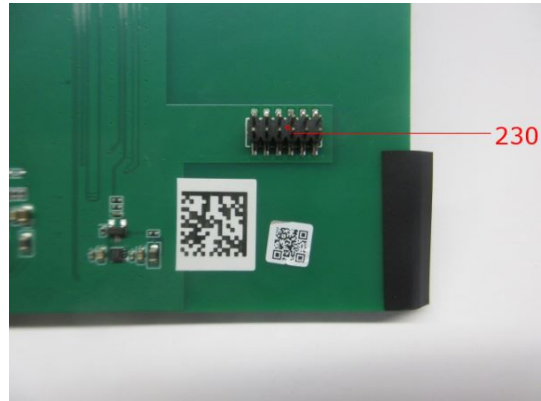
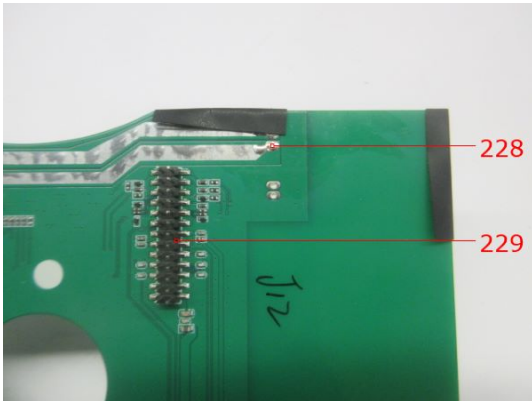
Sample Photos



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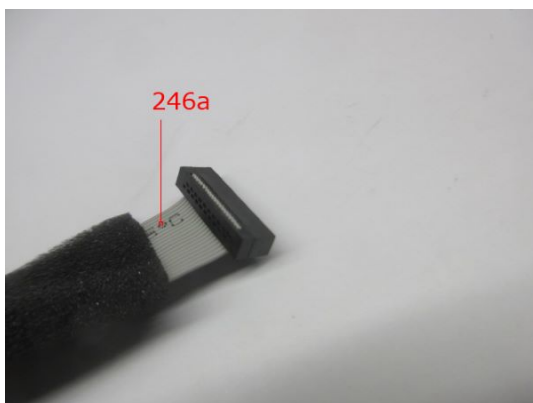
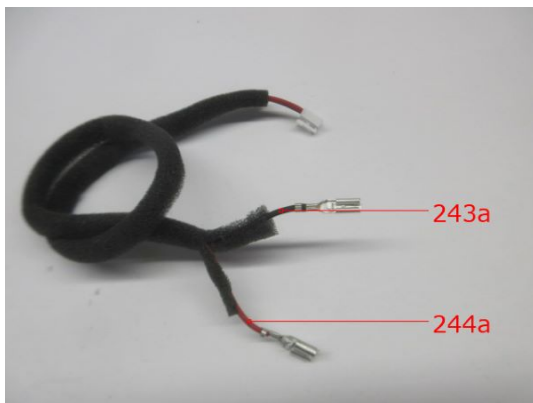
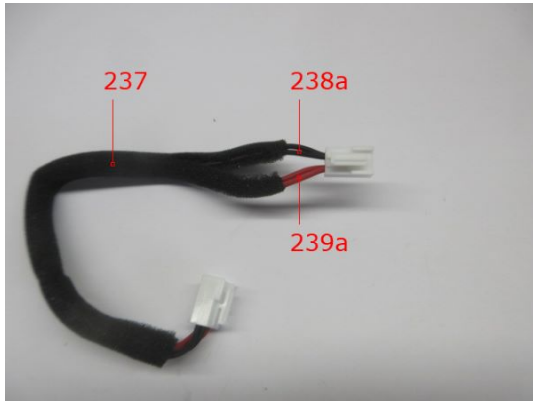
Sample Photos



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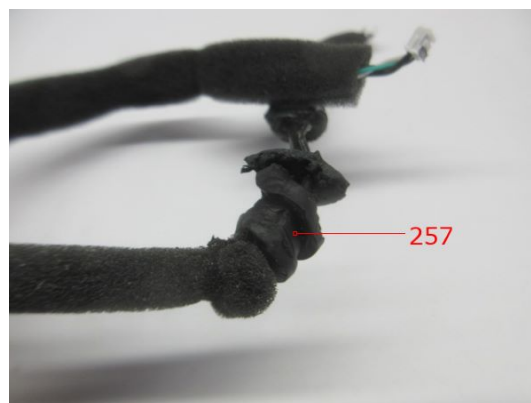
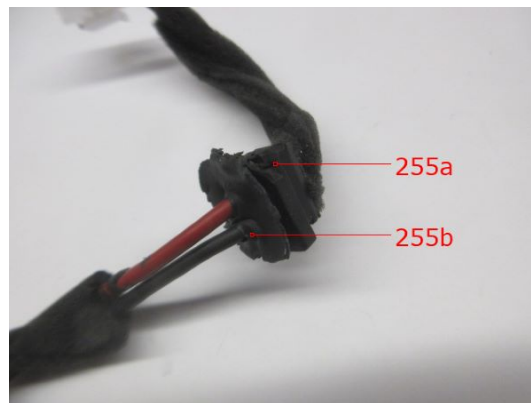
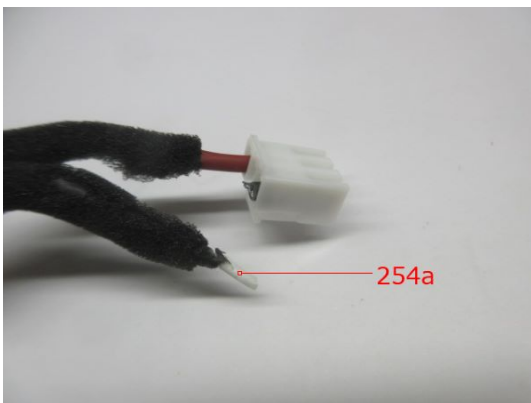
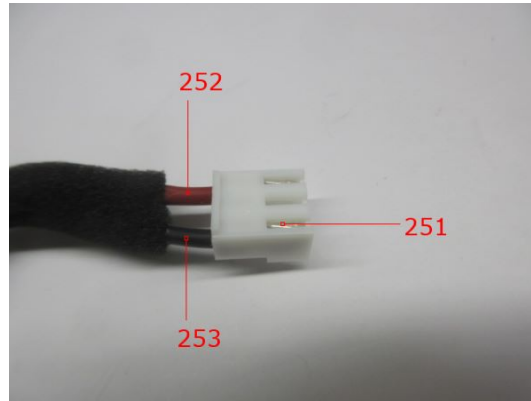
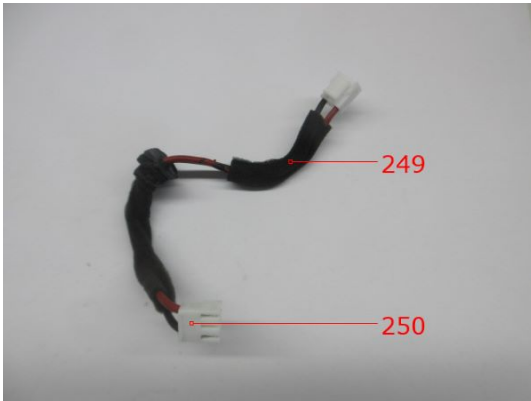
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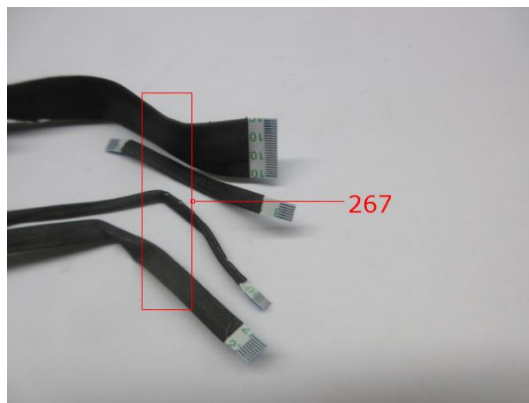
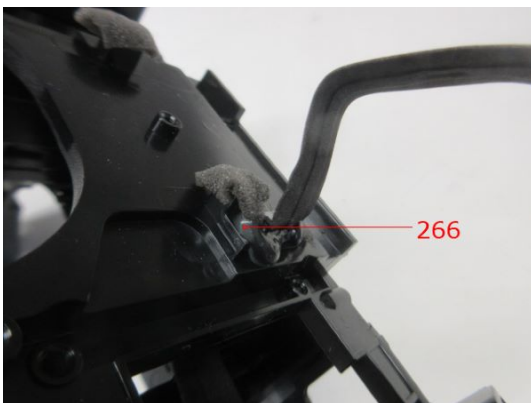
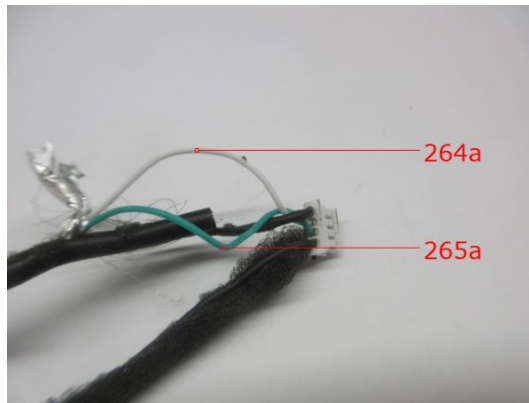
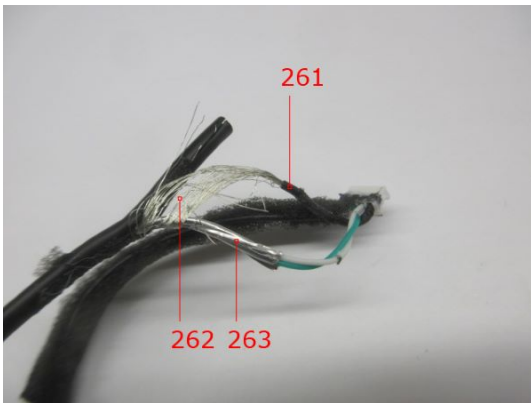
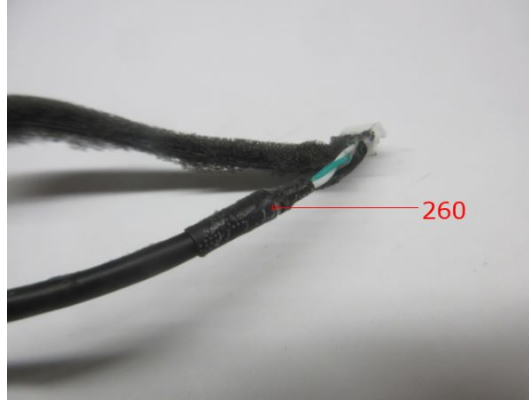
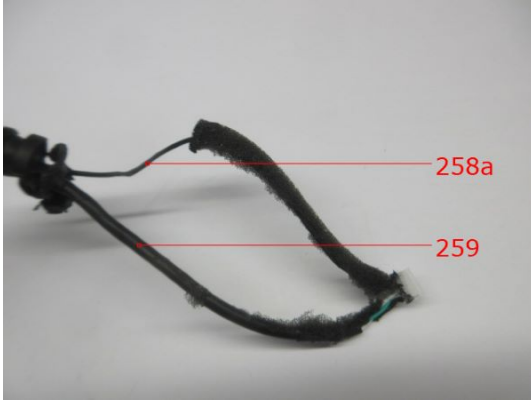
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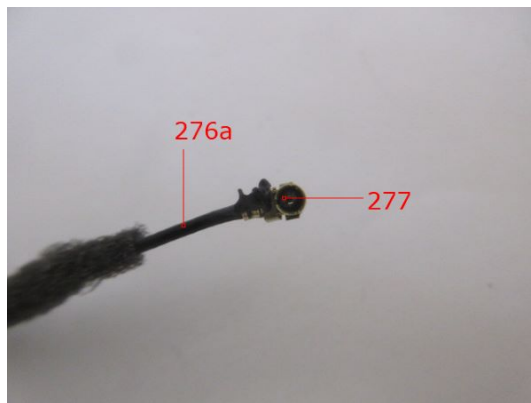
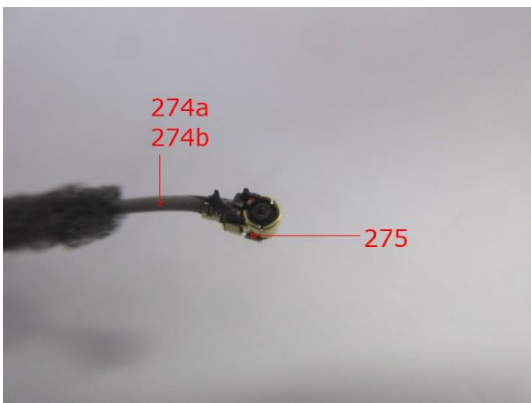
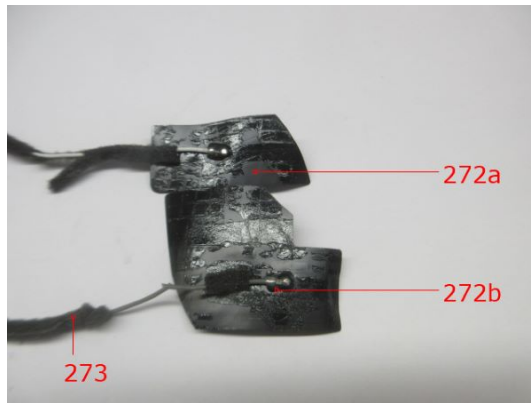
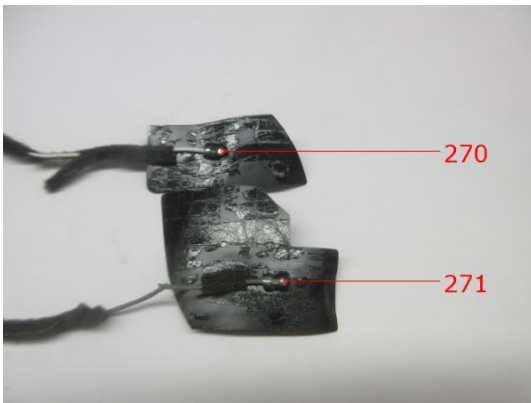
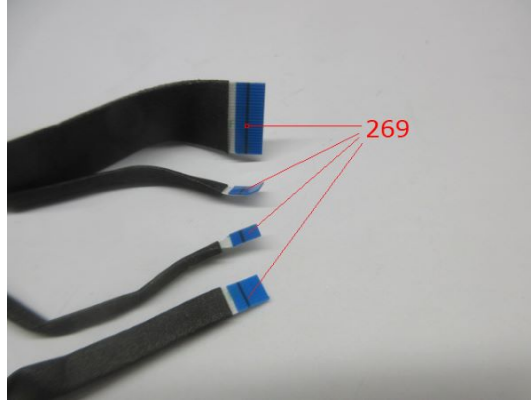
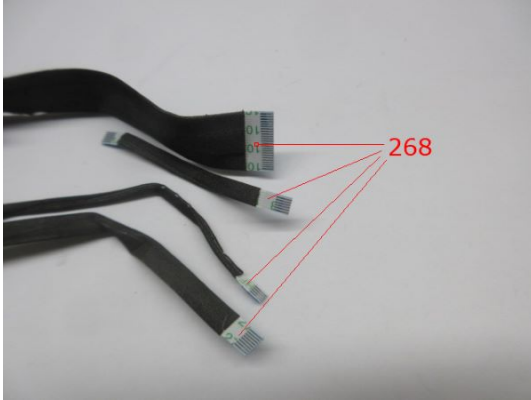
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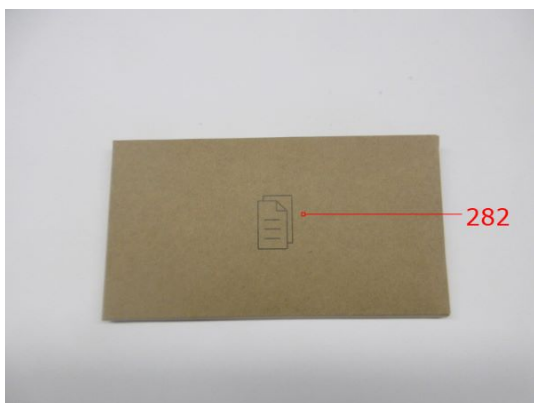
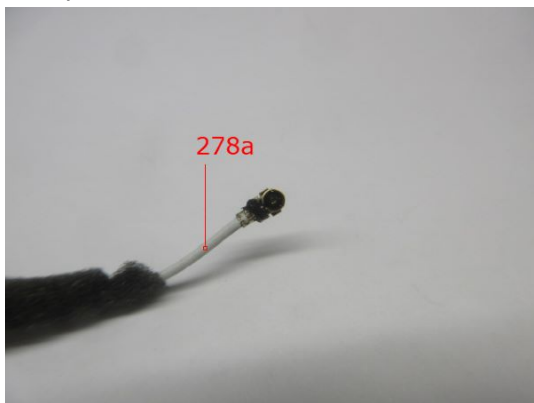
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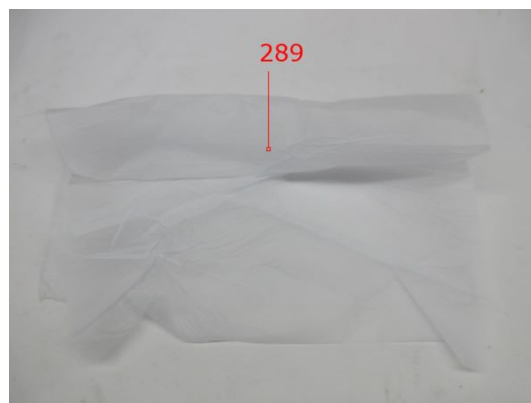
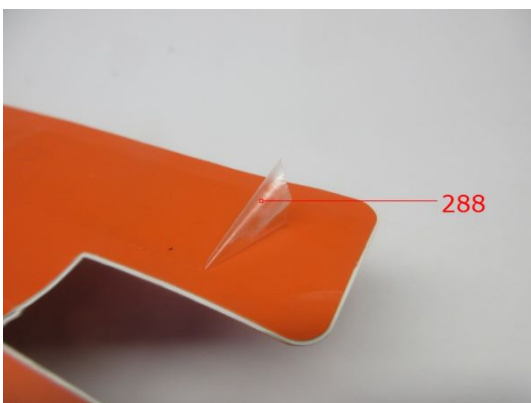
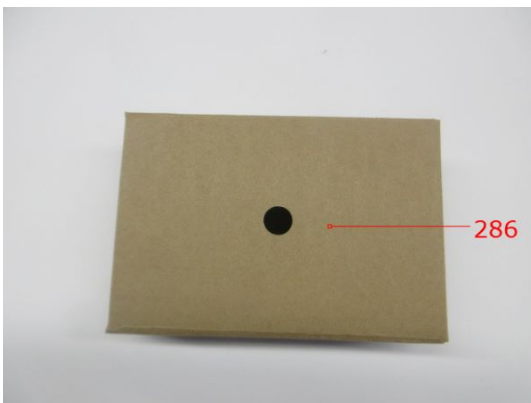
Sample Photos



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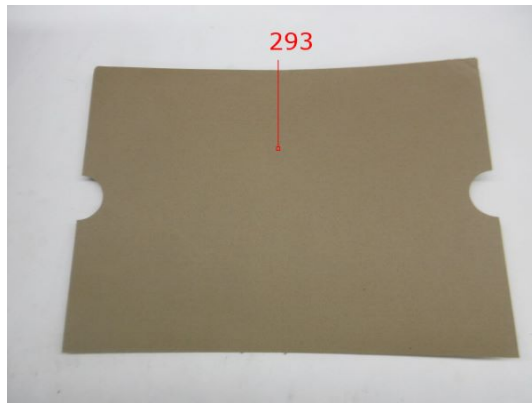
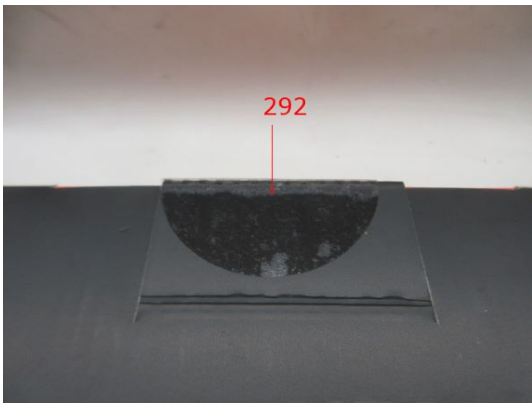
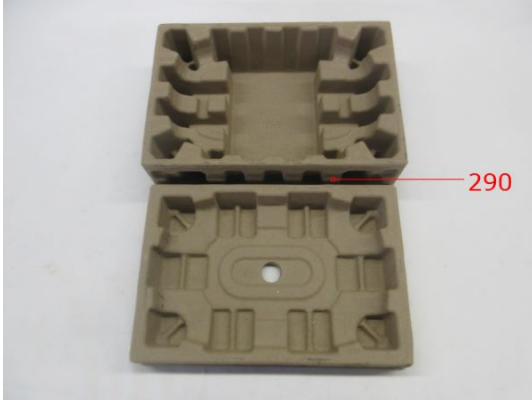
Sample Photos



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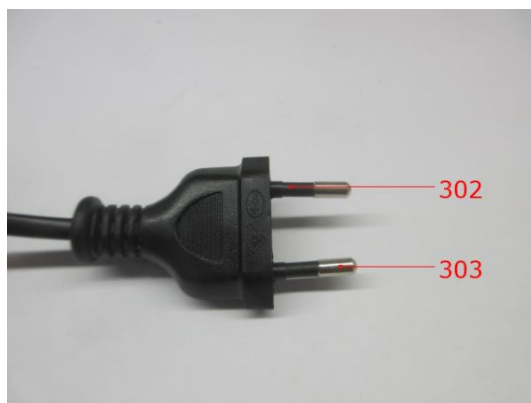
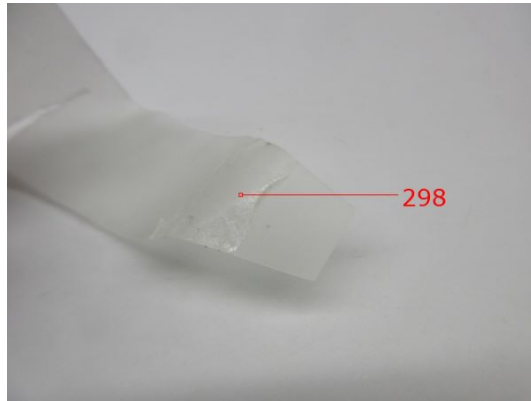
Sample Photos



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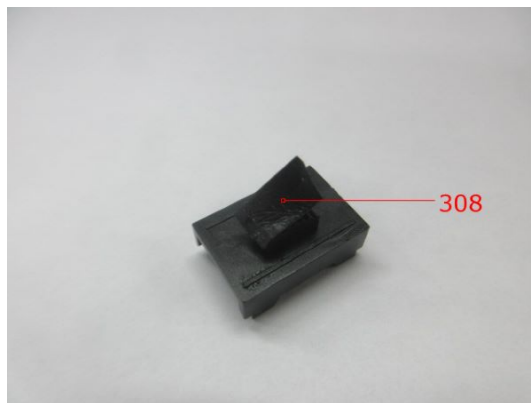
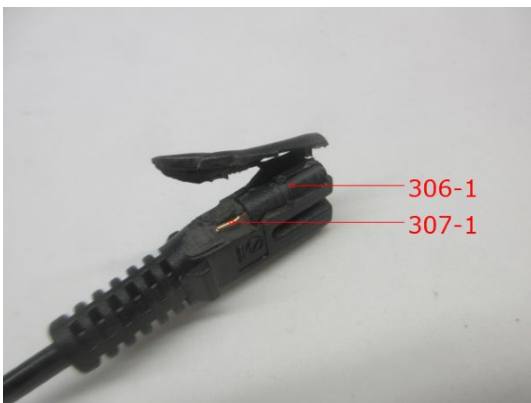
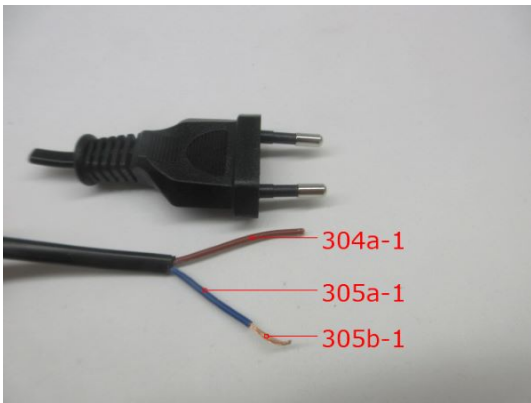
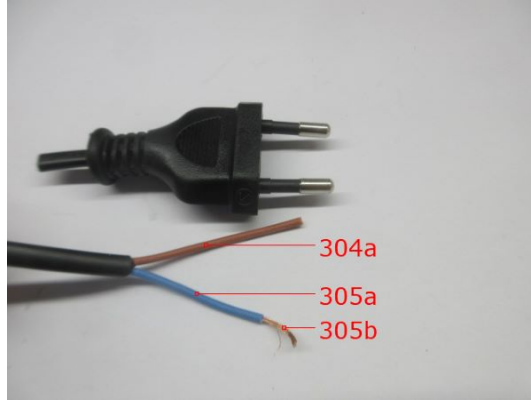
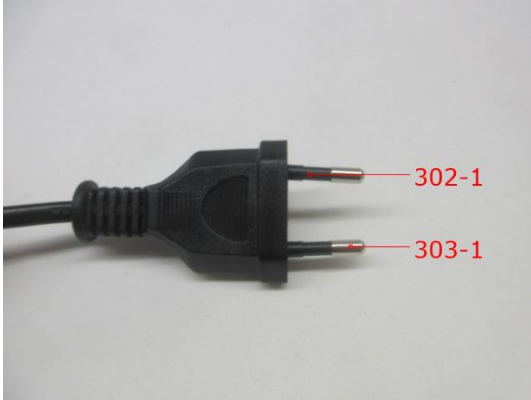
Sample Photos



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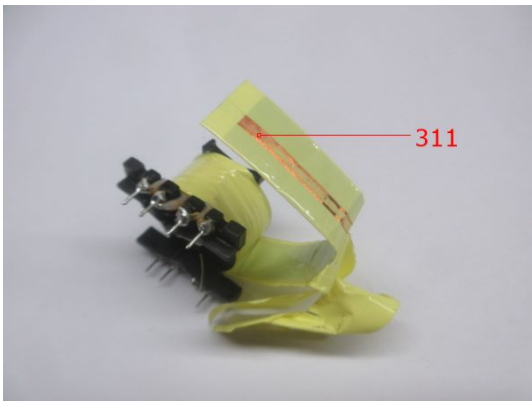
Sample Photos



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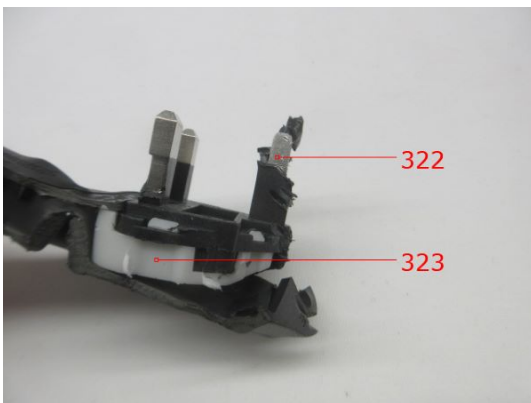
Sample Photos



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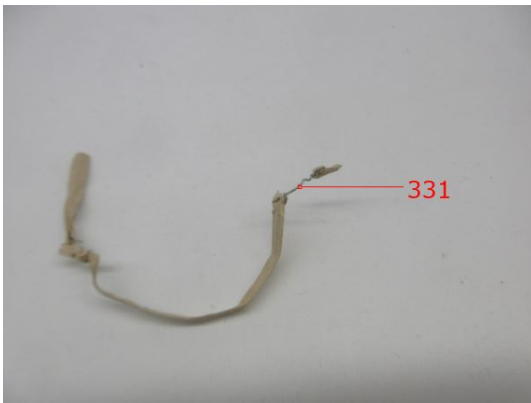
Sample Photos



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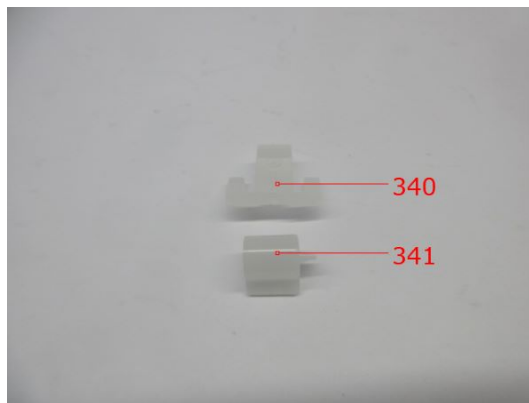
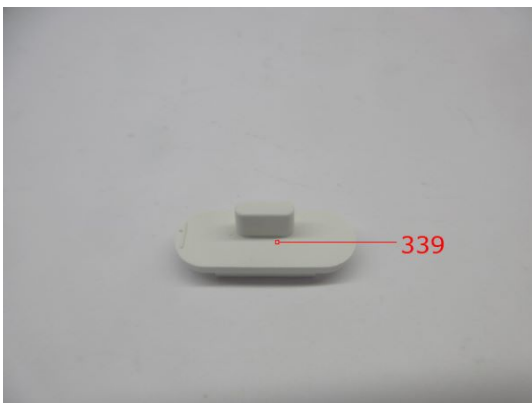
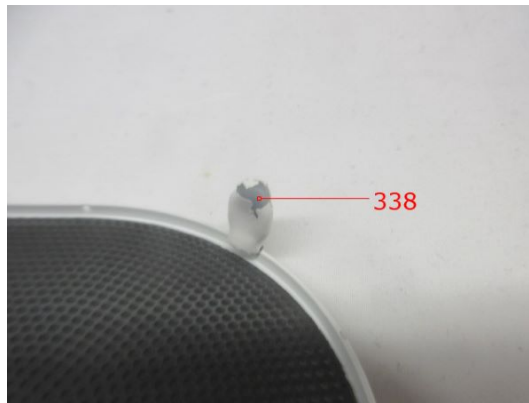
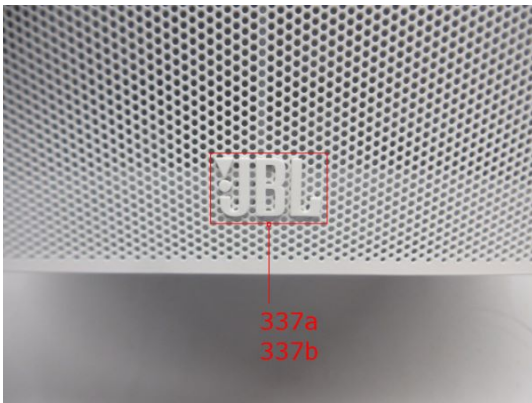
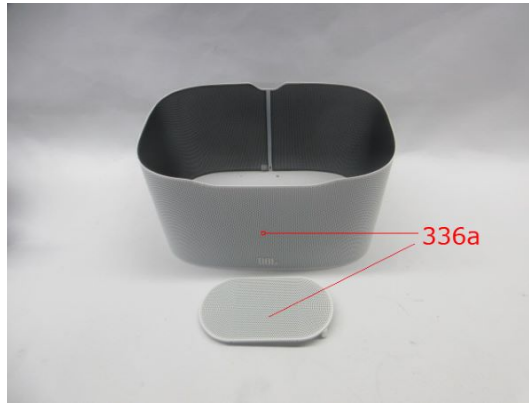
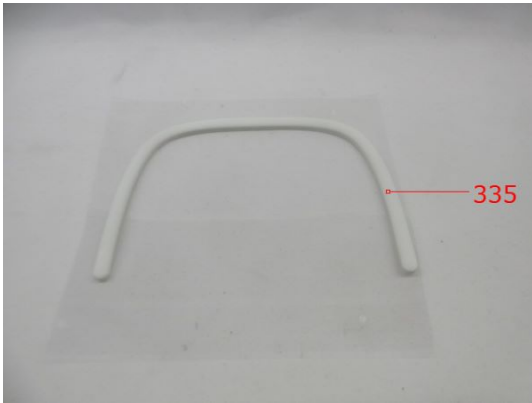
Sample Photos



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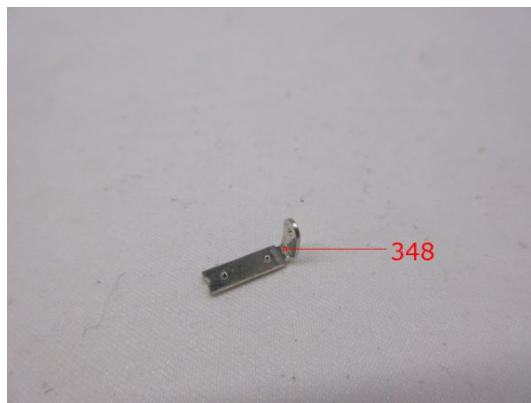
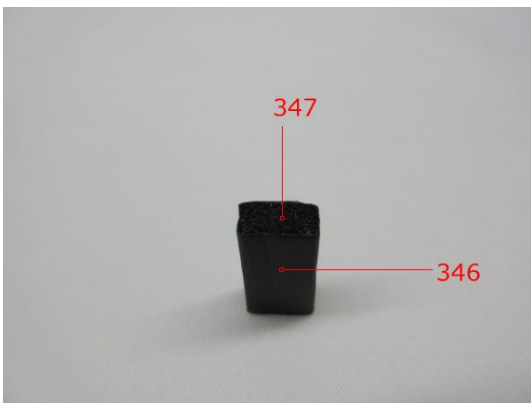
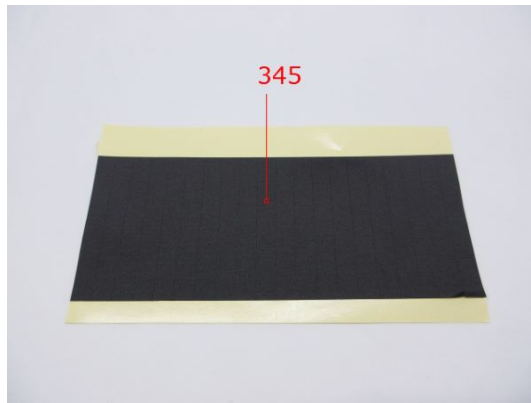
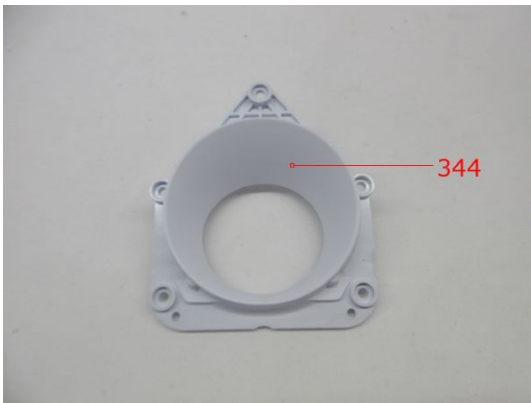
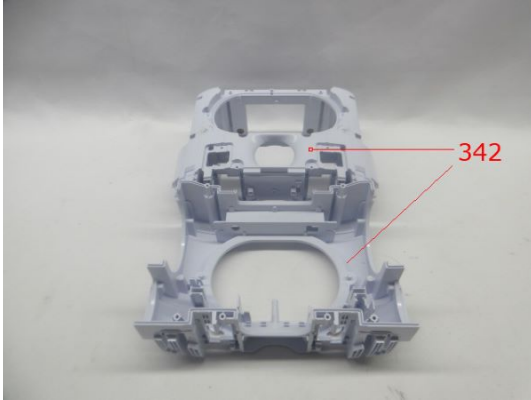
Sample Photos



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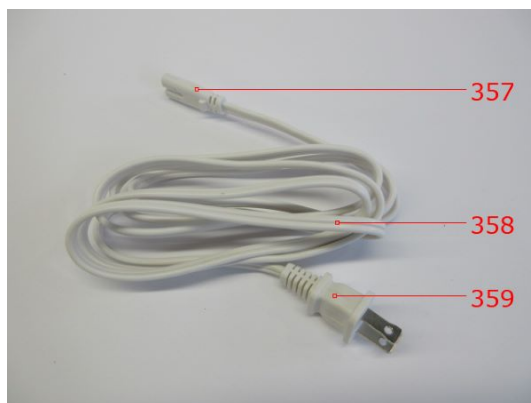
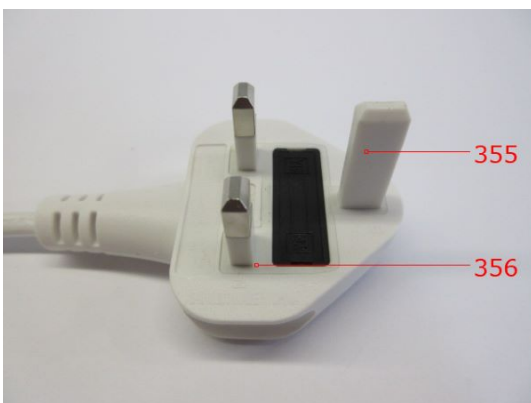
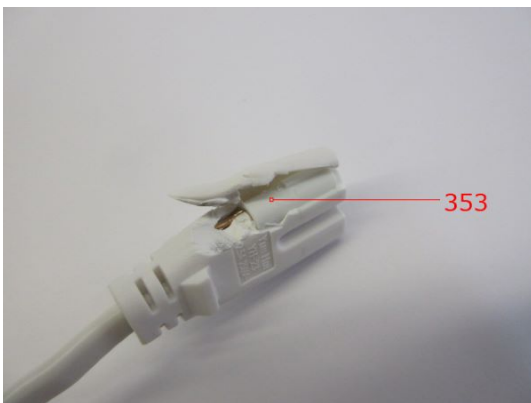
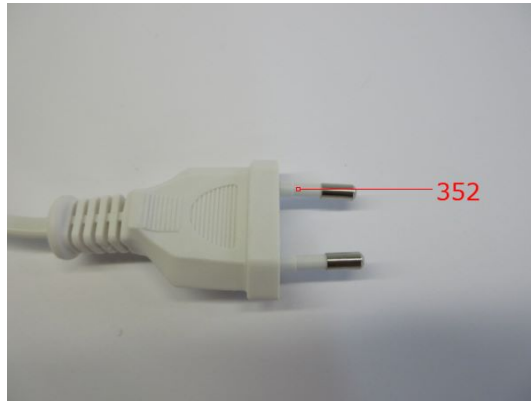
Sample Photos



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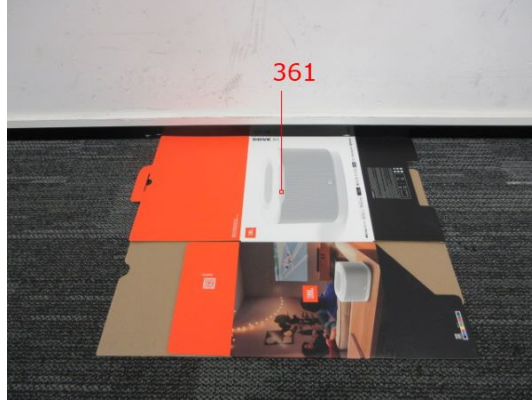
Sample Photos



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Product



Product



Product



Product

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Product



Product



Product



Product (Provided by client)



Package

- END -

This GTCB is only used for TÜV Rheinland Business Stream Products
Version 7.0/February 2026