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**Client:** FOXESS CO., LTD.

**Contact Information:** No.939, Jinhai Third Road, New Airport Industry Area, Longwan District, Wenzhou, Zhejiang, P. R. China

**Manufacturer's name:** FOXESS CO., LTD.

**Test item(s):** 504 materials

**Identification/  
Model No(s):** STORAGE INVERTER  
H3-5.0-E, H3-6.0-E, H3-8.0-E, H3-10.0-E, H3-12.0-E, AC3-5.0-E, AC3-6.0-E, AC3-8.0-E, AC3-10.0-E, AC3-12.0-E

**Condition at delivery:** Test item complete and undamaged.

**Sample Receiving date:** 2022-05-12, 2022-06-12

**Testing Period:** 2022-05-31 to 2022-06-16

**Place of testing:** Chemical laboratory Shenzhen

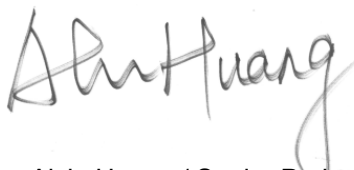
**Test Specification:**

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

**Test result:**

PASS

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



2022-06-28

Alvin Huang / Senior Project Engineer

*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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**Information provided by client:**

- 1) The models H3-5.0-E, H3-6.0-E are identical with H3-8.0-E, H3-10.0-E, H3-12.0-E in software and hardware except strings number per MPP tracker and electrical ratings. H3-5.0-E, H3-6.0-E have 1+1 strings MPP tracker while H3-8.0-E, H3-10.0-E, H3-12.0-E have 2+1 strings MPP tracker.
- 2) The models AC3-5.0-E, AC3-6.0-E, AC3-8.0-E, AC3-10.0-E are identical with AC3-12.0-E in software and hardware except electrical ratings differences.
- 3) H3 series and AC3 series are same in software and hardware except H3 series with PV input port while AC3 series without PV input port.

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**Material List:**

Item: STORAGE INVERTER

H3-5.0-E, H3-6.0-E, H3-8.0-E, H3-10.0-E, H3-12.0-E, AC3-5.0-E, AC3-6.0-E, AC3-8.0-E, AC3-10.0-E, AC3-12.0-E

Material No.	Material	Color	Location
M001	Coating	Off white	Refer to photo
M002	Metal	Silvery	Refer to photo
M003	Plastic	Transparent	Refer to photo
M004	Coating + Adhesive	Black/ white	Refer to photo
M005	Plastic	Black	Refer to photo
M006	Plastic + printing + adhesive	Silvery/ yellow/ black	Refer to photo
M007	Plastic + printing + adhesive	Yellow/ white/ black	Refer to photo
M008	Coating	Dark grey	Refer to photo
M009	Metal	Silvery	Refer to photo
M010	Plastic + printing + adhesive	Multicolor	Refer to photo
M011	Metal	Silvery	Refer to photo
M012	Metal	Dull silvery	Refer to photo
M013	Plastic	Black	Refer to photo
M014	Glue	Light grey	Refer to photo
M015	Glue	Dark grey	Refer to photo
M016	Glue	White	Refer to photo
M017	Plastic	Black	Refer to photo
M018	Plastic + printing	Dark red/ black	Refer to photo
M019	Metal	Silvery	Refer to photo
M020	Plastic + printing	Black/ white	Refer to photo
M021	Plastic + Textile	White	Refer to photo
M022	Plastic + printing	White/ black	Refer to photo
M023	Metal	Silvery	Refer to photo
M024	Plastic + Textile	Transparent/ white	Refer to photo
M025	Plastic + printing	Black/ white	Refer to photo
M026	Metal	Silvery	Refer to photo

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M027	Coating	Blue	Refer to photo
M028	Magnet	Black	Refer to photo
M029	Coating	Black	Refer to photo
M030	Metal	Coppery	Refer to photo
M031	Plastic + printing	Yellow/ black	Refer to photo
M032	Plastic + Textile	Transparent/ white	Refer to photo
M033	Plastic + adhesive	Black	Refer to photo
M034	Metal	Silvery	Refer to photo
M035	Plastic	Black	Refer to photo
M036	Solder	Silvery	Refer to photo
M037	PCB board	Multicolor	Refer to photo
M038	Electronic components	Black	Refer to photo
M039	Electronic components	Black/ white	Refer to photo
M040	Electronic components	Brown	Refer to photo
M041	Metal	Silvery/ coppery	Refer to photo
M042	Metal	Silvery	Refer to photo
M043	Electronic components	Black	Refer to photo
M044	Plastic	Black	Refer to photo
M045	Metal	Silvery	Refer to photo
M046	Glue	Dull white	Refer to photo
M047	Metal	Silvery	Refer to photo
M048	Plastic + printing	Black/ white	Refer to photo
M049	Plastic	Brown	Refer to photo
M050	Metal	Silvery	Refer to photo
M051	Plastic + adhesive	Transparent	Refer to photo
M052	Paper	Brown	Refer to photo
M053	Metal	Bright silvery	Refer to photo
M054	Metal	Dull silvery	Refer to photo
M055	Plastic	Black	Refer to photo
M056	Plastic	Grey	Refer to photo
M057	Plastic	Blue	Refer to photo
M058	Plastic	Black	Refer to photo

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M059	Glue	Bright black	Refer to photo
M060	Plastic	Silvery/ transparent	Refer to photo
M061	Plastic	Brown	Refer to photo
M062	Plastic	Translucent	Refer to photo
M063	Plastic	Light green	Refer to photo
M064	Magnet	Silvery-grey	Refer to photo
M065	Glue	Black	Refer to photo
M066	Electronic components	Green/ white	Refer to photo
M067	Electronic components	Green	Refer to photo
M068	Metal	Silvery	Refer to photo
M069	Electronic components	Dark blue	Refer to photo
M070	Ceramic	Red	Refer to photo
M071	Metal	Silvery/ coppery	Refer to photo
M072	Electronic components	Blue	Refer to photo
M073	Electronic components	Black	Refer to photo
M074	Plastic	Black	Refer to photo
M075	Plastic	Black	Refer to photo
M076	Metal	Silvery	Refer to photo
M077	Magnet	Black	Refer to photo
M078	PCB board	Green	Refer to photo
M079	Solder	Silvery	Refer to photo
M080	Plastic	White	Refer to photo
M081	Plastic	Black	Refer to photo
M082	Plastic	Black	Refer to photo
M083	Metal	Silvery	Refer to photo
M084	Metal	Coppery	Refer to photo
M085	Plastic	Black	Refer to photo
M086	Plastic	Black	Refer to photo
M087	Metal	Coppery	Refer to photo
M088	Metal	Silvery/ coppery	Refer to photo
M089	Metal	Silvery	Refer to photo
M090	Metal	Silvery	Refer to photo

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M091	Metal	Coppery	Refer to photo
M092	Plastic	Black	Refer to photo
M093	Plastic	Dull white	Refer to photo
M094	Plastic	White	Refer to photo
M095	Metal	Silvery/ coppery	Refer to photo
M096	Plastic	Black	Refer to photo
M097	Plastic	Black	Refer to photo
M098	Plastic	Black	Refer to photo
M099	Plastic	Translucent white	Refer to photo
M100	Plastic	Red	Refer to photo
M101	Glue	Black	Refer to photo
M102	Metal	Silvery	Refer to photo
M103	Metal	Silvery	Refer to photo
M104	Solder	Dull silvery	Refer to photo
M105	Metal	Silvery	Refer to photo
M106	Magnet	Black	Refer to photo
M107	Metal	Silvery	Refer to photo
M108	Magnet	Matt black	Refer to photo
M109	Plastic	Bright black	Refer to photo
M110	Plastic	Translucent	Refer to photo
M111	Plastic	Orange/ transparent	Refer to photo
M112	Solder	Silvery	Refer to photo
M113	Plastic	Black	Refer to photo
M114	Plastic + adhesive	Yellow	Refer to photo
M115	Magnet	Black	Refer to photo
M116	Metal	Coppery	Refer to photo
M117	Plastic + printing + adhesive	White/ black	Refer to photo
M118	Metal + plating	Silvery/ black	Refer to photo
M119	Plastic	Black	Refer to photo
M120	Plastic	Black	Refer to photo
M121	Electronic components	Black	Refer to photo
M122	Plastic + printing	White/ black	Refer to photo

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M123	Plastic	White	Refer to photo
M124	Metal	Golden	Refer to photo
M125	Plastic + printing	Blue/ white	Refer to photo
M126	Solder	Silvery	Refer to photo
M127	PCB board	Green	Refer to photo
M128	Plastic	Black	Refer to photo
M129	Plastic	Black	Refer to photo
M130	Metal	Silvery	Refer to photo
M131	Plastic	Matt black	Refer to photo
M132	Metal	Coppery	Refer to photo
M133	Metal	Silvery	Refer to photo
M134	Electronic components	Black	Refer to photo
M135	Solder	Silvery	Refer to photo
M136	PCB board	Green	Refer to photo
M137	Plastic	Orange/ transparent	Refer to photo
M138	Plastic	Pink/ transparent	Refer to photo
M139	Plastic	Black	Refer to photo
M140	Solder	Silvery	Refer to photo
M141	PCB board	Green	Refer to photo
M142	Electronic components	Black	Refer to photo
M143	Electronic components	Black	Refer to photo
M144	Electronic components	Black	Refer to photo
M145	Electronic components	Black	Refer to photo
M146	Metal	Silvery	Refer to photo
M147	Plastic	Black	Refer to photo
M148	Plastic	Beige	Refer to photo
M149	Electronic components	Black	Refer to photo
M150	Electronic components	Black	Refer to photo
M151	Electronic components	Black	Refer to photo
M152	Plastic	Black	Refer to photo
M153	Glue	Black	Refer to photo
M154	Solder	Silvery	Refer to photo

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M155	PCB board	Green	Refer to photo
M156	Metal	Silvery	Refer to photo
M157	Magnet	Black	Refer to photo
M158	Metal	Silvery	Refer to photo
M159	Metal	Coppery	Refer to photo
M160	Metal	Silvery	Refer to photo
M161	Metal	Silvery	Refer to photo
M162	Plastic + printing	Orange/ black	Refer to photo
M163	Plastic	White	Refer to photo
M164	Metal	Silvery	Refer to photo
M165	Metal	Silvery	Refer to photo
M166	Plastic	Transparent green	Refer to photo
M167	Plastic	Transparent yellow	Refer to photo
M168	Metal	Silvery	Refer to photo
M169	Plastic	Black	Refer to photo
M170	Metal	Golden	Refer to photo
M171	Solder	Silvery	Refer to photo
M172	PCB board	Green	Refer to photo
M173	Plastic	White	Refer to photo
M174	Plastic	Black	Refer to photo
M175	Electronic components	Black	Refer to photo
M176	Electronic components	Black	Refer to photo
M177	Electronic components	Black/ white	Refer to photo
M178	Electronic components	Black	Refer to photo
M179	Glue	White	Refer to photo
M180	Plastic	Transparent	Refer to photo
M181	Paper + printing + adhesive	Green/ white/ black	Refer to photo
M182	Solder	Silvery	Refer to photo
M183	PCB board	Green	Refer to photo
M184	Metal	Silvery	Refer to photo
M185	Solder	Silvery	Refer to photo
M186	PCB board	Green	Refer to photo



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M187	Glue	Black	Refer to photo
M188	Electronic components	Orange	Refer to photo
M189	Metal + plating	Silvery/ black	Refer to photo
M190	Plastic + adhesive	Transparent grey	Refer to photo
M191	Plastic + adhesive	Silvery	Refer to photo
M192	Glass	Transparent	Refer to photo
M193	Plastic	Black/ grey	Refer to photo
M194	Plastic + adhesive	White	Refer to photo
M195	Plastic + adhesive	Black/ white	Refer to photo
M196	Plastic	Transparent	Refer to photo
M197	Plastic	Translucent white	Refer to photo
M198	PCB board	White	Refer to photo
M199	Plastic + printing	Black/ white	Refer to photo
M200	Plastic	Red	Refer to photo
M201	Plastic	White	Refer to photo
M202	Plastic	Black	Refer to photo
M203	Solder	Silvery	Refer to photo
M204	PCB board	Green	Refer to photo
M205	Plastic	Blue	Refer to photo
M206	Magnet	Black	Refer to photo
M207	PCB board	Green	Refer to photo
M208	Coating	Dark grey/ silvery	Refer to photo
M209	Plastic	Black	Refer to photo
M210	Plastic	Black	Refer to photo
M211	Plastic	Black	Refer to photo
M212	Plastic	Black	Refer to photo
M213	Plastic	Translucent white	Refer to photo
M214	Plastic + adhesive	Black	Refer to photo
M215	Solder	Silvery	Refer to photo
M216	PCB board	Green	Refer to photo
M217	Plastic	White	Refer to photo
M218	Coating	Black	Refer to photo

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M219	Metal	Silvery	Refer to photo
M220	Metal	Silvery	Refer to photo
M221	Plastic + printing + adhesive	White/ black	Refer to photo
M222	Plastic	Black	Refer to photo
M223	Plastic	Black	Refer to photo
M224	Plastic	White	Refer to photo
M225	Plastic	Black	Refer to photo
M226	Plastic	White	Refer to photo
M227	Plastic	Brown	Refer to photo
M228	Plastic	Red	Refer to photo
M229	Plastic	Blue	Refer to photo
M230	Plastic	Transparent blue	Refer to photo
M231	Plastic	Orange	Refer to photo
M232	Plastic	Black	Refer to photo
M233	Metal	Silvery	Refer to photo
M234	Plastic	Black	Refer to photo
M235	Metal	Silvery	Refer to photo
M236	Metal	Silvery	Refer to photo
M237	Metal	Silvery	Refer to photo
M238	Plastic	Black/ white	Refer to photo
M239	Metal	Golden	Refer to photo
M240	Glue	Black	Refer to photo
M241	Solder	Silvery	Refer to photo
M242	PCB board	Green	Refer to photo
M243	Metal	Coppery	Refer to photo
M244	Metal	Dull silvery	Refer to photo
M245	Plastic	Black	Refer to photo
M246	Plastic	Black	Refer to photo
M247	Plastic	Black	Refer to photo
M248	Plastic	Black	Refer to photo
M249	Plastic	Orange	Refer to photo
M250	Plastic	Grey	Refer to photo

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M251	Magnet	Silvery	Refer to photo
M252	Plastic	Beige	Refer to photo
M253	Metal	Bright silvery	Refer to photo
M254	Plastic	Beige	Refer to photo
M255	Metal	Silvery	Refer to photo
M256	Metal	Silvery	Refer to photo
M257	Metal	Silvery	Refer to photo
M258	Metal + plating	Silvery/ black	Refer to photo
M259	Plastic	Black	Refer to photo
M260	Metal	Silvery	Refer to photo
M261	Metal + plating	Silvery/ black	Refer to photo
M262	Metal	Golden	Refer to photo
M263	Plastic	Red	Refer to photo
M264	Metal + plating	Silvery	Refer to photo
M265	Plastic	Grey/ red	Refer to photo
M266	Plastic	Black	Refer to photo
M267	Plastic + printing	Black/ white	Refer to photo
M268	Plastic + printing	Black/ white	Refer to photo
M269	Plastic + printing	Black/ white	Refer to photo
M270	Plastic + printing	Black/ white	Refer to photo
M271	Plastic + printing	Red/ black	Refer to photo
M272	Plastic + printing	Black/ white	Refer to photo
M273	Plastic + printing + adhesive	White/ black	Refer to photo
M274	Plastic	Light yellow	Refer to photo
M275	Plastic + printing	Black/ white	Refer to photo
M276	Plastic	Blue	Refer to photo
M277	Plastic	Dull red	Refer to photo
M278	Plastic	White	Refer to photo
M279	Plastic	Black	Refer to photo
M280	Plastic	White	Refer to photo
M281	Metal	Silvery	Refer to photo
M282	Plastic	Blue	Refer to photo

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M283	Plastic	Red	Refer to photo
M284	Plastic + printing	Red/ black	Refer to photo
M285	Plastic	Black	Refer to photo
M286	Metal	Dull silvery	Refer to photo
M287	Plastic	Black	Refer to photo
M288	Metal	Silvery	Refer to photo
M289	Plastic	Blue	Refer to photo
M290	Plastic	Yellow/ green	Refer to photo
M291	Plastic	Blue	Refer to photo
M292	Plastic	White	Refer to photo
M293	Plastic	Black	Refer to photo
M294	Plastic	Black	Refer to photo
M295	Metal	Silvery	Refer to photo
M296	Plastic	Blue	Refer to photo
M297	Plastic	Black	Refer to photo
M298	Plastic	Black	Refer to photo
M299	Plastic + Textile	White	Refer to photo
M300	Metal	Silvery	Refer to photo
M301	Plastic	Yellow	Refer to photo
M302	Plastic	Grey	Refer to photo
M303	Plastic	Purple	Refer to photo
M304	Plastic	Blue	Refer to photo
M305	Plastic	Brown	Refer to photo
M306	Plastic	Black	Refer to photo
M307	Plastic	Green	Refer to photo
M308	Plastic	Red	Refer to photo
M309	Plastic	Black	Refer to photo
M310	Plastic	Dark yellow	Refer to photo
M311	Plastic + printing	White/ black	Refer to photo
M312	Plastic	Black	Refer to photo
M313	Plastic	Yellow/ green	Refer to photo
M314	Plastic	Blue	Refer to photo

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M315	Plastic	Red	Refer to photo
M316	Plastic	Black	Refer to photo
M317	Metal	Silvery	Refer to photo
M318	Plastic	Black	Refer to photo
M319	Plastic	Black	Refer to photo
M320	Plastic	Black	Refer to photo
M321	Plastic	Red	Refer to photo
M322	Plastic	Black	Refer to photo
M323	Plastic + printing	Black/ white	Refer to photo
M324	Plastic	Black	Refer to photo
M325	Glue	Black	Refer to photo
M326	Plastic	Blue	Refer to photo
M327	Plastic	Green	Refer to photo
M328	Plastic	Brown	Refer to photo
M329	Plastic	Orange	Refer to photo
M330	Plastic	White	Refer to photo
M331	Plastic	Red	Refer to photo
M332	Plastic	Black	Refer to photo
M333	Plastic	Yellow	Refer to photo
M334	Solder	Silvery	Refer to photo
M335	PCB board	Green	Refer to photo
M336	Metal	Silvery	Refer to photo
M337	Plastic	Blue	Refer to photo
M338	Plastic	Black	Refer to photo
M339	Plastic	Black	Refer to photo
M340	Plastic	Black	Refer to photo
M341	Metal	Silvery	Refer to photo
M342	Plastic	Transparent	Refer to photo
M343	Glue	Black	Refer to photo
M344	Plastic	Black	Refer to photo
M345	Metal	Silvery	Refer to photo
M346	Solder	Silvery	Refer to photo

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M347	PCB board	Green	Refer to photo
M348	Plastic	White	Refer to photo
M349	Plastic	Blue	Refer to photo
M350	Plastic	Blue/ white	Refer to photo
M351	Plastic	Orange	Refer to photo
M352	Plastic	Orange/ white	Refer to photo
M353	Plastic	Brown	Refer to photo
M354	Plastic	Brown/ white	Refer to photo
M355	Plastic	Green	Refer to photo
M356	Plastic	Green/ white	Refer to photo
M357	Metal	Coppery	Refer to photo
M358	Plastic	Black	Refer to photo
M359	Plastic	Yellow/ green	Refer to photo
M360	Plastic	Black	Refer to photo
M361	Plastic	Khaki	Refer to photo
M362	Plastic	Black	Refer to photo
M363	Plastic	Black	Refer to photo
M364	Plastic	White	Refer to photo
M365	Plastic	Red	Refer to photo
M366	Plastic	Black	Refer to photo
M367	Plastic	Black	Refer to photo
M368	Plastic	Black	Refer to photo
M369	Plastic	Blue	Refer to photo
M370	Plastic	Black	Refer to photo
M371	Plastic	Black	Refer to photo
M372	Plastic	White	Refer to photo
M373	Plastic	Yellow	Refer to photo
M374	Plastic	Red	Refer to photo
M375	Metal	Silvery	Refer to photo
M376	Metal	Silvery	Refer to photo
M377	Plastic	Blue	Refer to photo
M378	Plastic	White	Refer to photo

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M379	Metal	Silvery	Refer to photo
M380	Metal	Silvery	Refer to photo
M381	Metal	Silvery	Refer to photo
M382	Metal	Silvery	Refer to photo
M383	Plastic	Black	Refer to photo
M384	Plastic	Black	Refer to photo
M385	Plastic	Black	Refer to photo
M386	Plastic	Beige	Refer to photo
M387	Plastic	Black	Refer to photo
M388	Plastic	Black	Refer to photo
M389	Metal	Golden	Refer to photo
M390	Plastic	Black	Refer to photo
M391	Plastic	Blue	Refer to photo
M392	Plastic	Grey	Refer to photo
M393	Plastic	Red	Refer to photo
M394	Plastic	Black	Refer to photo
M395	Metal	Silvery	Refer to photo
M396	Plastic	White	Refer to photo
M397	Plastic	Black	Refer to photo
M398	Metal	Silvery	Refer to photo
M399	Plastic + printing + adhesive	Multicolor	Refer to photo
M400	Plastic + printing + adhesive	Transparent/ black	Refer to photo
M401	Plastic	Black	Refer to photo
M402	Plastic	Black	Refer to photo
M403	Plastic + printing + adhesive	White/ black	Refer to photo
M404	Plastic	Black	Refer to photo
M405	Plastic	Translucent white	Refer to photo
M406	Metal	Silvery	Refer to photo
M407	Electronic components	Black	Refer to photo
M408	PCB board	Blue	Refer to photo

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M409	Electronic components	Black	Refer to photo
M410	PCB board	Green	Refer to photo
M411	Solder	Silvery	Refer to photo
M412	Glue	Black	Refer to photo
M413	Metal	Golden	Refer to photo
M414	Plastic	Black	Refer to photo
M415	Plastic	Transparent	Refer to photo
M416	Electronic components	Black	Refer to photo
M417	Electronic components	Black	Refer to photo
M418	PCB board	Green	Refer to photo
M419	Foam + adhesive	Black	Refer to photo
M420	Metal	Silvery	Refer to photo
M421	Solder	Silvery	Refer to photo
M422	Electronic components	Black	Refer to photo
M423	Electronic components	Black	Refer to photo
M424	Electronic components	Black	Refer to photo
M425	Electronic components	Black	Refer to photo
M426	PCB board	Blue	Refer to photo
M427	PCB board	Green	Refer to photo
M428	Electronic components	Black	Refer to photo
M429	Electronic components	Dark brown	Refer to photo
M430	Electronic components	Light brown	Refer to photo
M431	Magnet	Dark grey	Refer to photo
M432	PCB board	Green	Refer to photo
M433	Plastic	Blue	Refer to photo
M434	Paper + printing + adhesive	White/ black	Refer to photo
M435	Plastic + printing + adhesive	Silvery/ black	Refer to photo
M436	Plastic	Off white	Refer to photo
M437	Paper + printing + adhesive	White/ blue	Refer to photo
M438	Plastic + adhesive	Transparent	Refer to photo



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M439	Plastic + printing + adhesive	Transparent/ blue/ black/ white	Refer to photo
M440	Metal	Golden	Refer to photo
M441	Plastic	Transparent	Refer to photo
M442	Metal + plating	Silvery	Refer to photo
M443	Metal + plating	Silvery	Refer to photo
M444	Metal + plating	Silvery	Refer to photo
M445	Metal	Coppery	Refer to photo
M446	Plastic	Green	Refer to photo
M447	Plastic	Yellow	Refer to photo
M448	Plastic	Red	Refer to photo
M449	Plastic	Black	Refer to photo
M450	Plastic	Transparent	Refer to photo
M451	Plastic	Dull yellow	Refer to photo
M452	Plastic	Dull red	Refer to photo
M453	Plastic	Dull green	Refer to photo
M454	Plastic	Black	Refer to photo
M455	Plastic	Red	Refer to photo
M456	Plastic	White	Refer to photo
M457	Plastic	Black	Refer to photo
M458	Glue	Black	Refer to photo
M459	Plastic + adhesive	Transparent/ black	Refer to photo
M460	Metal	Coppery	Refer to photo
M461	Magnet	Silvery-grey	Refer to photo
M462	Electronic components	Black	Refer to photo
M463	Plastic + printing	Brown/ white	Refer to photo
M464	Plastic	Black	Refer to photo
M465	Plastic + printing	Black/ silvery	Refer to photo
M466	Solder	Silvery	Refer to photo
M467	PCB board	Green	Refer to photo
M468	Plastic	Green	Refer to photo
M469	Metal + plating	Silvery	Refer to photo
M470	Metal	Silvery	Refer to photo

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M471	Plastic	Yellow	Refer to photo
M472	Plastic	Beige	Refer to photo
M473	Electronic components	Yellow	Refer to photo
M474	Electronic components	Black/ white	Refer to photo
M475	Electronic components	Black	Refer to photo
M476	Solder	Silvery	Refer to photo
M477	PCB board	Green	Refer to photo
M478	Plastic	White	Refer to photo
M479	Plastic	Black	Refer to photo
M480	Electronic components	Black	Refer to photo
M481	Electronic components	Black	Refer to photo
M482	Electronic components	Transparent/ coppery/ black	Refer to photo
M483	Electronic components	Black	Refer to photo
M484	Solder	Silvery	Refer to photo
M485	PCB board	Green	Refer to photo
M486	Plastic	Transparent red	Refer to photo
M487	Plastic	Black	Refer to photo
M488	Metal	Silvery	Refer to photo
M489	Plastic + adhesive	Transparent grey	Refer to photo
M490	Glass	Transparent	Refer to photo
M491	Plastic + adhesive	Silvery	Refer to photo
M492	Plastic	Transparent	Refer to photo
M493	Plastic	Transparent	Refer to photo
M494	Plastic	White	Refer to photo
M495	Plastic	Translucent white	Refer to photo
M496	Glue	Black	Refer to photo
M497	Metal	Coppery/ green/ red	Refer to photo
M498	Magnet	Black	Refer to photo
M499	Plastic	Black	Refer to photo
M500	Plastic	Red	Refer to photo
M501	Plastic	Red	Refer to photo
M502	Metal	Silvery	Refer to photo

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M503	Plastic + adhesive	Light yellow	Refer to photo
M504	Metal	Silvery	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
M001	BL	BL	BL	BL	BL
M002	BL	BL	BL	BL	n.a.
M003	BL	BL	BL	BL	BL
M004	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	n.a.
M010	BL	BL	BL	BL	BL
M011	BL	BL	BL	BL	n.a.
M012	BL	BL	BL	BL	n.a.
M013	BL	BL	BL	BL	BL
M014	BL	BL	BL	BL	BL
M015	BL	BL	BL	BL	BL
M016	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	BL
M021	BL	BL	BL	BL	BL
M022	BL	BL	BL	BL	BL
M023	BL	BL	BL	BL	n.a.
M024	BL	BL	BL	BL	BL
M025	BL	BL	BL	BL	BL
M026	BL	BL	BL	BL	n.a.
M027	BL	BL	BL	BL	BL
M028	BL	BL	BL	BL	n.a.
M029	BL	BL	BL	BL	BL
M030	BL	BL	BL	BL	n.a.
M031	BL	BL	BL	BL	BL
M032	BL	BL	BL	BL	BL
M033	BL	BL	BL	BL	BL
M034	BL	d.(*1)	BL	BL	n.a.
M035	BL	BL	BL	BL	BL
M036	BL	BL	BL	BL	n.a.
M037	BL	BL	BL	BL	d.(*1)

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M038	d.(*1)	BL	d.(*1)	BL	BL
M039	BL	d.(*1)	d.(*1)	BL	BL
M040	BL	BL	BL	BL	BL
M041	BL	BL	BL	BL	n.a.
M042	BL	BL	BL	BL	n.a.
M043	BL	BL	BL	BL	BL
M044	BL	BL	BL	BL	BL
M045	BL	BL	BL	BL	n.a.
M046	BL	BL	BL	BL	BL
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	BL	BL	BL	BL
M052	BL	BL	BL	BL	BL
M053	BL	BL	BL	BL	n.a.
M054	BL	BL	BL	BL	n.a.
M055	BL	BL	BL	BL	BL
M056	BL	BL	BL	BL	d.(*1)
M057	BL	BL	BL	BL	d.(*1)
M058	BL	BL	BL	BL	BL
M059	BL	BL	BL	BL	d.(*1)
M060	BL	BL	BL	BL	BL
M061	BL	BL	BL	BL	d.(*1)
M062	BL	BL	BL	BL	BL
M063	BL	BL	BL	BL	BL
M064	d.(*1)	BL	BL	BL	n.a.
M065	BL	BL	BL	BL	BL
M066	BL	BL	BL	BL	BL
M067	BL	d.(*1)	BL	BL	BL
M068	BL	BL	BL	BL	n.a.
M069	BL	BL	BL	BL	BL
M070	BL	BL	BL	BL	BL
M071	BL	BL	BL	BL	n.a.
M072	BL	BL	BL	BL	BL
M073	BL	BL	BL	BL	BL
M074	BL	BL	BL	BL	d.(*1)
M075	BL	BL	BL	BL	BL
M076	BL	BL	BL	BL	n.a.
M077	BL	BL	BL	BL	n.a.
M078	BL	BL	BL	BL	d.(*1)
M079	BL	BL	BL	BL	n.a.
M080	BL	BL	BL	BL	d.(*1)

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M081	BL	BL	BL	BL	d.(*1)
M082	BL	BL	BL	BL	d.(*1)
M083	BL	BL	BL	BL	n.a.
M084	BL	BL	BL	BL	n.a.
M085	BL	BL	BL	BL	d.(*1)
M086	BL	BL	BL	BL	d.(*1)
M087	BL	BL	BL	BL	n.a.
M088	BL	d.(*1)	BL	BL	n.a.
M089	BL	BL	BL	BL	n.a.
M090	BL	BL	BL	BL	n.a.
M091	BL	BL	BL	BL	n.a.
M092	BL	BL	BL	BL	d.(*1)
M093	BL	BL	BL	BL	d.(*1)
M094	BL	BL	BL	BL	d.(*1)
M095	BL	BL	BL	BL	n.a.
M096	BL	BL	BL	BL	d.(*1)
M097	BL	BL	BL	BL	BL
M098	BL	BL	BL	BL	BL
M099	BL	BL	BL	BL	BL
M100	BL	BL	BL	BL	BL
M101	BL	BL	BL	BL	BL
M102	BL	d.(*1)	BL	BL	n.a.
M103	BL	BL	BL	BL	n.a.
M104	BL	BL	BL	BL	n.a.
M105	BL	BL	BL	BL	n.a.
M106	BL	d.(*1)	BL	BL	n.a.
M107	BL	BL	BL	BL	n.a.
M108	BL	d.(*1)	BL	BL	n.a.
M109	BL	BL	BL	BL	BL
M110	BL	BL	BL	BL	BL
M111	BL	BL	BL	BL	BL
M112	BL	BL	BL	BL	n.a.
M113	BL	BL	BL	BL	BL
M114	BL	BL	BL	BL	BL
M115	BL	BL	BL	BL	n.a.
M116	BL	BL	BL	BL	n.a.
M117	BL	BL	BL	BL	BL
M118	BL	BL	BL	BL	n.a.
M119	BL	BL	BL	BL	BL
M120	BL	BL	BL	BL	BL
M121	BL	BL	BL	BL	d.(*1)
M122	BL	BL	BL	BL	d.(*1)
M123	BL	BL	BL	BL	BL

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M124	BL	BL	BL	BL	n.a.
M125	BL	BL	BL	BL	BL
M126	BL	BL	BL	BL	n.a.
M127	BL	BL	BL	BL	d.(*1)
M128	BL	BL	BL	BL	BL
M129	BL	BL	BL	BL	BL
M130	BL	BL	BL	BL	n.a.
M131	BL	BL	BL	BL	BL
M132	BL	BL	BL	BL	n.a.
M133	BL	BL	BL	BL	n.a.
M134	BL	BL	BL	BL	BL
M135	BL	BL	BL	BL	n.a.
M136	BL	BL	BL	BL	d.(*1)
M137	BL	BL	BL	BL	BL
M138	BL	BL	BL	BL	BL
M139	BL	BL	BL	BL	BL
M140	BL	BL	BL	BL	n.a.
M141	BL	BL	BL	BL	d.(*1)
M142	BL	BL	BL	BL	BL
M143	BL	BL	BL	BL	BL
M144	BL	BL	BL	BL	BL
M145	BL	BL	BL	BL	BL
M146	BL	BL	BL	BL	n.a.
M147	BL	BL	BL	BL	BL
M148	BL	BL	BL	BL	d.(*1)
M149	BL	BL	BL	BL	d.(*1)
M150	BL	BL	BL	BL	BL
M151	BL	BL	BL	BL	d.(*1)
M152	BL	BL	BL	BL	d.(*1)
M153	BL	BL	BL	BL	BL
M154	BL	BL	BL	BL	n.a.
M155	BL	BL	BL	BL	BL
M156	BL	BL	BL	BL	n.a.
M157	BL	BL	BL	BL	n.a.
M158	BL	BL	BL	BL	n.a.
M159	BL	BL	BL	BL	n.a.
M160	BL	BL	BL	BL	n.a.
M161	BL	BL	BL	BL	n.a.
M162	BL	BL	BL	BL	BL
M163	BL	BL	BL	BL	BL
M164	BL	d.(*1)	BL	BL	n.a.
M165	BL	BL	BL	BL	n.a.
M166	BL	BL	BL	BL	BL

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M167	BL	BL	BL	BL	BL
M168	BL	BL	BL	BL	n.a.
M169	BL	BL	BL	BL	d.(*1)
M170	BL	BL	BL	BL	n.a.
M171	BL	BL	BL	BL	n.a.
M172	BL	BL	BL	BL	d.(*1)
M173	BL	BL	BL	BL	BL
M174	BL	BL	BL	BL	d.(*1)
M175	BL	BL	BL	BL	BL
M176	BL	BL	BL	BL	BL
M177	BL	BL	BL	BL	d.(*1)
M178	BL	BL	BL	BL	BL
M179	BL	BL	BL	BL	BL
M180	BL	BL	BL	BL	BL
M181	BL	BL	BL	BL	BL
M182	BL	BL	BL	BL	n.a.
M183	BL	BL	BL	BL	d.(*1)
M184	BL	BL	BL	BL	n.a.
M185	BL	BL	BL	BL	n.a.
M186	BL	BL	BL	BL	d.(*1)
M187	BL	BL	BL	BL	BL
M188	BL	d.(*1)	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	n.a.
M193	BL	BL	BL	BL	BL
M194	BL	BL	BL	BL	BL
M195	BL	BL	BL	BL	BL
M196	BL	BL	BL	BL	BL
M197	BL	BL	BL	BL	BL
M198	BL	BL	BL	BL	d.(*1)
M199	BL	BL	BL	BL	BL
M200	BL	BL	BL	BL	BL
M201	BL	BL	BL	BL	BL
M202	BL	BL	BL	BL	BL
M203	BL	BL	BL	BL	n.a.
M204	BL	BL	BL	BL	d.(*1)
M205	BL	BL	BL	BL	d.(*1)
M206	BL	BL	BL	BL	n.a.
M207	BL	BL	BL	BL	d.(*1)
M208	BL	BL	BL	BL	BL
M209	BL	BL	BL	BL	d.(*1)



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M210	BL	BL	BL	BL	BL
M211	BL	BL	BL	BL	BL
M212	BL	BL	BL	BL	BL
M213	BL	BL	BL	BL	BL
M214	BL	BL	BL	BL	BL
M215	BL	BL	BL	BL	n.a.
M216	BL	BL	BL	BL	d.(*1)
M217	BL	BL	BL	BL	BL
M218	BL	BL	BL	BL	BL
M219	BL	d.(*1)	BL	BL	n.a.
M220	BL	d.(*1)	BL	BL	n.a.
M221	BL	BL	BL	BL	BL
M222	BL	BL	BL	BL	d.(*1)
M223	BL	BL	BL	BL	BL
M224	BL	BL	BL	BL	d.(*1)
M225	BL	BL	BL	BL	BL
M226	BL	BL	BL	BL	BL
M227	BL	BL	BL	BL	BL
M228	BL	BL	BL	BL	BL
M229	BL	BL	BL	BL	BL
M230	BL	BL	BL	BL	BL
M231	BL	BL	BL	BL	d.(*1)
M232	BL	BL	BL	BL	d.(*1)
M233	BL	BL	BL	BL	n.a.
M234	BL	BL	BL	BL	n.a.
M235	BL	d.(*1)	BL	BL	n.a.
M236	BL	d.(*1)	BL	BL	n.a.
M237	BL	d.(*1)	BL	BL	n.a.
M238	BL	BL	BL	BL	d.(*1)
M239	BL	BL	d.(*1)	BL	n.a.
M240	BL	BL	BL	BL	BL
M241	BL	BL	BL	BL	n.a.
M242	BL	BL	BL	BL	d.(*1)
M243	BL	BL	BL	BL	n.a.
M244	BL	d.(*1)	BL	BL	n.a.
M245	BL	BL	BL	BL	d.(*1)
M246	BL	BL	BL	BL	BL
M247	BL	BL	BL	BL	d.(*1)
M248	BL	BL	BL	BL	BL
M249	BL	BL	BL	BL	d.(*1)
M250	BL	BL	BL	BL	BL
M251	BL	BL	BL	BL	n.a.
M252	BL	BL	BL	BL	BL

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M253	BL	BL	BL	BL	n.a.
M254	BL	BL	BL	BL	d.(*1)
M255	BL	d.(*1)	BL	BL	n.a.
M256	BL	d.(*1)	BL	BL	n.a.
M257	BL	BL	BL	BL	n.a.
M258	BL	BL	BL	BL	n.a.
M259	BL	BL	BL	BL	BL
M260	BL	d.(*1)	BL	BL	n.a.
M261	BL	BL	BL	BL	n.a.
M262	BL	BL	BL	BL	n.a.
M263	BL	BL	BL	BL	BL
M264	BL	d.(*1)	BL	BL	n.a.
M265	BL	BL	BL	BL	BL
M266	BL	BL	BL	BL	d.(*1)
M267	BL	BL	BL	BL	BL
M268	BL	BL	BL	BL	BL
M269	BL	BL	BL	BL	BL
M270	BL	BL	BL	BL	BL
M271	BL	BL	BL	BL	BL
M272	BL	BL	BL	BL	BL
M273	BL	BL	BL	BL	BL
M274	BL	BL	BL	BL	BL
M275	BL	BL	BL	BL	BL
M276	BL	BL	BL	BL	BL
M277	BL	BL	BL	BL	BL
M278	BL	BL	BL	BL	BL
M279	BL	BL	BL	BL	BL
M280	BL	BL	BL	BL	BL
M281	BL	BL	BL	BL	n.a.
M282	BL	BL	BL	BL	BL
M283	BL	BL	BL	BL	BL
M284	BL	BL	BL	BL	BL
M285	BL	BL	BL	BL	BL
M286	BL	BL	BL	BL	n.a.
M287	BL	BL	BL	BL	BL
M288	BL	BL	BL	BL	n.a.
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	d.(*1)
M295	BL	BL	BL	BL	n.a.

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M296	BL	BL	BL	BL	BL
M297	BL	BL	BL	BL	BL
M298	BL	BL	BL	BL	BL
M299	BL	BL	BL	BL	BL
M300	BL	d.(*1)	BL	BL	n.a.
M301	BL	BL	BL	BL	BL
M302	BL	BL	BL	BL	BL
M303	BL	BL	BL	BL	BL
M304	BL	BL	BL	BL	BL
M305	BL	BL	BL	BL	BL
M306	BL	BL	BL	BL	BL
M307	BL	BL	BL	BL	BL
M308	BL	BL	BL	BL	BL
M309	BL	BL	BL	BL	d.(*1)
M310	BL	BL	BL	BL	BL
M311	BL	BL	BL	BL	BL
M312	BL	BL	BL	BL	BL
M313	BL	BL	BL	BL	BL
M314	BL	BL	BL	BL	BL
M315	BL	BL	BL	BL	d.(*1)
M316	BL	BL	BL	BL	d.(*1)
M317	BL	BL	d.(*1)	BL	n.a.
M318	BL	BL	BL	BL	BL
M319	BL	BL	BL	BL	BL
M320	BL	BL	BL	BL	BL
M321	BL	BL	BL	BL	BL
M322	BL	BL	BL	BL	BL
M323	BL	BL	BL	BL	BL
M324	BL	BL	BL	BL	BL
M325	BL	BL	BL	BL	BL
M326	BL	BL	BL	BL	BL
M327	BL	BL	BL	BL	BL
M328	BL	BL	BL	BL	BL
M329	BL	BL	BL	BL	BL
M330	BL	BL	BL	BL	BL
M331	BL	BL	BL	BL	BL
M332	BL	BL	BL	BL	BL
M333	BL	BL	BL	BL	BL
M334	BL	d.(*1)	BL	BL	n.a.
M335	BL	BL	BL	BL	d.(*1)
M336	BL	d.(*1)	BL	BL	n.a.
M337	BL	BL	BL	BL	BL
M338	BL	BL	BL	BL	BL

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M339	BL	BL	BL	BL	BL
M340	BL	BL	BL	BL	BL
M341	BL	BL	BL	BL	n.a.
M342	BL	BL	BL	BL	BL
M343	BL	BL	BL	BL	BL
M344	BL	BL	BL	BL	d.(*1)
M345	BL	BL	BL	BL	n.a.
M346	BL	BL	BL	BL	n.a.
M347	BL	BL	BL	BL	d.(*1)
M348	BL	BL	BL	BL	BL
M349	BL	BL	BL	BL	BL
M350	BL	BL	BL	BL	BL
M351	BL	BL	BL	BL	BL
M352	BL	BL	BL	BL	BL
M353	BL	BL	BL	BL	BL
M354	BL	BL	BL	BL	BL
M355	BL	BL	BL	BL	BL
M356	BL	BL	BL	BL	BL
M357	BL	BL	BL	BL	n.a.
M358	BL	BL	BL	BL	BL
M359	BL	BL	BL	BL	d.(*1)
M360	BL	BL	BL	BL	BL
M361	BL	BL	BL	BL	BL
M362	BL	BL	BL	BL	d.(*1)
M363	BL	BL	BL	BL	BL
M364	BL	BL	BL	BL	BL
M365	BL	BL	BL	BL	BL
M366	BL	BL	BL	BL	BL
M367	BL	BL	BL	BL	BL
M368	BL	BL	BL	BL	BL
M369	BL	BL	BL	BL	BL
M370	BL	BL	BL	BL	BL
M371	BL	BL	BL	BL	BL
M372	BL	BL	BL	BL	BL
M373	BL	BL	BL	BL	BL
M374	BL	BL	BL	BL	BL
M375	BL	d.(*1)	BL	BL	n.a.
M376	BL	d.(*1)	BL	BL	n.a.
M377	BL	BL	BL	BL	BL
M378	BL	BL	BL	BL	BL
M379	BL	d.(*1)	BL	BL	n.a.
M380	BL	BL	BL	BL	n.a.
M381	BL	BL	BL	BL	n.a.

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M382	BL	BL	BL	BL	n.a.
M383	BL	BL	BL	BL	d.(*1)
M384	BL	BL	BL	BL	BL
M385	BL	BL	BL	BL	BL
M386	BL	BL	BL	BL	BL
M387	BL	BL	BL	BL	d.(*1)
M388	BL	BL	BL	BL	BL
M389	BL	BL	BL	BL	n.a.
M390	BL	BL	BL	BL	BL
M391	BL	BL	BL	BL	BL
M392	BL	BL	BL	BL	BL
M393	BL	BL	BL	BL	BL
M394	BL	BL	BL	BL	BL
M395	BL	BL	d.(*1)	BL	n.a.
M396	BL	BL	BL	BL	BL
M397	BL	BL	BL	BL	d.(*1)
M398	BL	BL	d.(*1)	BL	n.a.
M399	BL	BL	BL	BL	BL
M400	BL	BL	BL	BL	BL
M401	BL	BL	BL	BL	BL
M402	BL	BL	BL	BL	BL
M403	BL	BL	BL	BL	BL
M404	BL	BL	BL	BL	BL
M405	BL	BL	BL	BL	BL
M406	BL	BL	BL	BL	n.a.
M407	BL	BL	BL	BL	BL
M408	BL	BL	BL	BL	BL
M409	BL	BL	d.(*1)	BL	BL
M410	BL	BL	BL	BL	d.(*1)
M411	BL	BL	BL	BL	n.a.
M412	BL	BL	BL	BL	BL
M413	BL	BL	BL	BL	n.a.
M414	BL	BL	BL	BL	BL
M415	BL	BL	BL	BL	BL
M416	BL	BL	BL	BL	BL
M417	BL	BL	BL	BL	BL
M418	BL	BL	BL	BL	d.(*1)
M419	BL	BL	BL	BL	BL
M420	BL	BL	BL	BL	n.a.
M421	BL	BL	BL	BL	n.a.
M422	BL	BL	BL	BL	BL
M423	BL	BL	BL	BL	BL
M424	BL	BL	BL	BL	BL

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M425	BL	BL	BL	BL	BL
M426	BL	BL	BL	BL	BL
M427	BL	BL	BL	BL	d.(*1)
M428	BL	BL	BL	BL	BL
M429	BL	BL	BL	BL	BL
M430	BL	BL	BL	BL	BL
M431	BL	d.(*1)	BL	BL	n.a.
M432	BL	BL	BL	BL	d.(*1)
M433	BL	BL	BL	BL	BL
M434	BL	BL	BL	BL	BL
M435	BL	BL	BL	BL	BL
M436	BL	BL	BL	BL	BL
M437	BL	BL	BL	BL	BL
M438	BL	BL	BL	BL	BL
M439	BL	BL	BL	BL	BL
M440	BL	BL	d.(*1)	BL	n.a.
M441	BL	BL	BL	BL	BL
M442	BL	d.(*1)	BL	BL	n.a.
M443	BL	d.(*1)	BL	BL	n.a.
M444	BL	d.(*1)	BL	BL	n.a.
M445	BL	BL	BL	BL	n.a.
M446	BL	BL	BL	BL	BL
M447	BL	BL	BL	BL	BL
M448	BL	BL	BL	BL	BL
M449	BL	BL	BL	BL	BL
M450	BL	BL	BL	BL	BL
M451	BL	BL	BL	BL	BL
M452	BL	BL	BL	BL	BL
M453	BL	BL	BL	BL	BL
M454	BL	BL	BL	BL	BL
M455	BL	BL	BL	BL	BL
M456	BL	BL	BL	BL	BL
M457	BL	BL	BL	BL	d.(*1)
M458	BL	BL	BL	BL	BL
M459	BL	BL	BL	BL	BL
M460	BL	BL	BL	BL	n.a.
M461	BL	BL	BL	BL	n.a.
M462	BL	BL	BL	BL	BL
M463	BL	BL	BL	BL	BL
M464	BL	BL	BL	BL	BL
M465	BL	BL	BL	BL	BL
M466	BL	BL	BL	BL	n.a.
M467	BL	BL	BL	BL	d.(*1)

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M468	BL	BL	BL	BL	BL
M469	BL	d.(*1)	BL	BL	n.a.
M470	BL	BL	d.(*1)	BL	n.a.
M471	BL	BL	BL	BL	d.(*1)
M472	BL	BL	BL	BL	d.(*1)
M473	BL	BL	BL	BL	d.(*1)
M474	BL	BL	d.(*1)	BL	BL
M475	BL	BL	d.(*1)	BL	d.(*1)
M476	BL	BL	BL	BL	n.a.
M477	BL	BL	BL	BL	d.(*1)
M478	BL	BL	BL	BL	BL
M479	BL	BL	BL	BL	BL
M480	BL	BL	BL	BL	BL
M481	BL	BL	BL	BL	BL
M482	d.(*1)	BL	d.(*1)	BL	n.a.
M483	BL	BL	d.(*1)	BL	BL
M484	BL	BL	BL	BL	n.a.
M485	BL	BL	BL	BL	d.(*1)
M486	BL	BL	BL	BL	BL
M487	BL	BL	BL	BL	BL
M488	BL	BL	BL	BL	n.a.
M489	BL	BL	BL	BL	BL
M490	BL	BL	BL	BL	n.a.
M491	BL	BL	BL	BL	BL
M492	BL	BL	BL	BL	BL
M493	BL	BL	BL	BL	BL
M494	BL	BL	BL	BL	BL
M495	BL	BL	BL	BL	BL
M496	BL	BL	BL	BL	BL
M497	BL	BL	BL	BL	n.a.
M498	BL	BL	BL	BL	n.a.
M499	BL	BL	BL	BL	d.(*1)
M500	BL	BL	BL	BL	BL
M501	BL	BL	BL	BL	BL
M502	BL	BL	d.(*1)	BL	n.a.
M503	BL	BL	BL	BL	BL
M504	BL	BL	d.(*1)	BL	n.a.

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<b>Abbreviation:</b>	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
<b>Polymeric</b>	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
<b>Metallic</b>	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.
<b>Composite materials</b>	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.



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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 Plastic or Electronic material - Ref. to IEC 62321-7-2:2017  
- For Leather material - Ref. to EN ISO 17075-1:2017

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

**Test Result:**

	<b>Cd</b>	<b>Cr(VI)</b>	<b>Pb</b>	<b>Hg</b>	<b>PBBs (*)</b>	<b>PBDEs (*)</b>
<b>Maximum Permissible Limit (%)</b>	0.01	0.1	0.1	0.1	0.1	0.1

<b>Material No.</b>	<b>(%)</b>					
	<b>Cd</b>	<b>Cr<sup>^</sup></b>	<b>Pb</b>	<b>Hg</b>	<b>PBBs (*)</b>	<b>PBDEs (*)</b>
	<b>RL (%)</b>					
	<b>0.001</b>	<b>0.001</b>	<b>0.001</b>	<b>0.001</b>	<b>0.01</b>	<b>0.01</b>
M037	n.a.	n.a.	n.a.	n.a.	< RL	< RL
M038	< RL	n.a.	5.19(*5)	n.a.	n.a.	n.a.
M039	n.a.	n.a.	0.0754	n.a.	n.a.	n.a.
M056	n.a.	n.a.	n.a.	n.a.	< RL	< RL
M057	n.a.	n.a.	n.a.	n.a.	< RL	< RL
M059	n.a.	n.a.	n.a.	n.a.	< RL	< RL
M061	n.a.	n.a.	n.a.	n.a.	< RL	< RL
M064	< RL	n.a.	n.a.	n.a.	n.a.	n.a.
M074	n.a.	n.a.	n.a.	n.a.	< RL	< RL
M078	n.a.	n.a.	n.a.	n.a.	< RL	< RL
M080	n.a.	n.a.	n.a.	n.a.	< RL	< RL
M081	n.a.	n.a.	n.a.	n.a.	< RL	< RL
M082	n.a.	n.a.	n.a.	n.a.	< RL	< RL
M085	n.a.	n.a.	n.a.	n.a.	< RL	< RL
M086	n.a.	n.a.	n.a.	n.a.	< RL	< RL
M092	n.a.	n.a.	n.a.	n.a.	< RL	< RL
M093	n.a.	n.a.	n.a.	n.a.	< RL	< RL
M094	n.a.	n.a.	n.a.	n.a.	< RL	< RL

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M096	n.a.	n.a.	n.a.	n.a.	< RL	< RL
M121	n.a.	n.a.	n.a.	n.a.	< RL	< RL
M122	n.a.	n.a.	n.a.	n.a.	< RL	< RL
M127	n.a.	n.a.	n.a.	n.a.	< RL	< RL
M136	n.a.	n.a.	n.a.	n.a.	< RL	< RL
M141	n.a.	n.a.	n.a.	n.a.	< RL	< RL
M148	n.a.	n.a.	n.a.	n.a.	< RL	< RL
M149	n.a.	n.a.	n.a.	n.a.	< RL	< RL
M151	n.a.	n.a.	n.a.	n.a.	< RL	< RL
M152	n.a.	n.a.	n.a.	n.a.	< RL	< RL
M169	n.a.	n.a.	n.a.	n.a.	< RL	< RL
M172	n.a.	n.a.	n.a.	n.a.	< RL	< RL
M174	n.a.	n.a.	n.a.	n.a.	< RL	< RL
M177	n.a.	n.a.	n.a.	n.a.	< RL	< RL
M183	n.a.	n.a.	n.a.	n.a.	< RL	< RL
M186	n.a.	n.a.	n.a.	n.a.	< RL	< RL
M198	n.a.	n.a.	n.a.	n.a.	< RL	< RL
M204	n.a.	n.a.	n.a.	n.a.	< RL	< RL
M205	n.a.	n.a.	n.a.	n.a.	< RL	< RL
M207	n.a.	n.a.	n.a.	n.a.	< RL	< RL
M209	n.a.	n.a.	n.a.	n.a.	< RL	< RL
M216	n.a.	n.a.	n.a.	n.a.	< RL	< RL
M222	n.a.	n.a.	n.a.	n.a.	< RL	< RL
M224	n.a.	n.a.	n.a.	n.a.	< RL	< RL
M231	n.a.	n.a.	n.a.	n.a.	< RL	< RL
M232	n.a.	n.a.	n.a.	n.a.	< RL	< RL
M238	n.a.	n.a.	n.a.	n.a.	< RL	< RL
M239	n.a.	n.a.	3.27(*4)	n.a.	n.a.	n.a.
M242	n.a.	n.a.	n.a.	n.a.	< RL	< RL
M245	n.a.	n.a.	n.a.	n.a.	< RL	< RL
M247	n.a.	n.a.	n.a.	n.a.	< RL	< RL
M249	n.a.	n.a.	n.a.	n.a.	< RL	< RL
M254	n.a.	n.a.	n.a.	n.a.	< RL	< RL
M266	n.a.	n.a.	n.a.	n.a.	< RL	< RL
M294	n.a.	n.a.	n.a.	n.a.	< RL	< RL
M309	n.a.	n.a.	n.a.	n.a.	< RL	< RL

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M315	n.a.	n.a.	n.a.	n.a.	< RL	< RL
M316	n.a.	n.a.	n.a.	n.a.	< RL	< RL
M317	n.a.	n.a.	2.28(*4)	n.a.	n.a.	n.a.
M335	n.a.	n.a.	n.a.	n.a.	< RL	< RL
M344	n.a.	n.a.	n.a.	n.a.	< RL	< RL
M347	n.a.	n.a.	n.a.	n.a.	< RL	< RL
M359	n.a.	n.a.	n.a.	n.a.	< RL	< RL
M362	n.a.	n.a.	n.a.	n.a.	< RL	< RL
M383	n.a.	n.a.	n.a.	n.a.	< RL	< RL
M387	n.a.	n.a.	n.a.	n.a.	< RL	< RL
M395	n.a.	n.a.	2.61(*4)	n.a.	n.a.	n.a.
M397	n.a.	n.a.	n.a.	n.a.	< RL	< RL
M398	n.a.	n.a.	1.91(*4)	n.a.	n.a.	n.a.
M409	n.a.	n.a.	1.53(*5)	n.a.	n.a.	n.a.
M410	n.a.	n.a.	n.a.	n.a.	< RL	< RL
M418	n.a.	n.a.	n.a.	n.a.	< RL	< RL
M427	n.a.	n.a.	n.a.	n.a.	< RL	< RL
M432	n.a.	n.a.	n.a.	n.a.	< RL	< RL
M440	n.a.	n.a.	2.50(*4)	n.a.	n.a.	n.a.
M457	n.a.	n.a.	n.a.	n.a.	< RL	< RL
M467	n.a.	n.a.	n.a.	n.a.	< RL	< RL
M470	n.a.	n.a.	2.28(*4)	n.a.	n.a.	n.a.
M471	n.a.	n.a.	n.a.	n.a.	< RL	< RL
M472	n.a.	n.a.	n.a.	n.a.	< RL	< RL
M473	n.a.	n.a.	n.a.	n.a.	< RL	< RL
M474	n.a.	n.a.	0.170(*5)	n.a.	n.a.	n.a.
M475	n.a.	n.a.	5.77(*5)	n.a.	< RL	< RL
M477	n.a.	n.a.	n.a.	n.a.	< RL	< RL
M482	< RL	n.a.	19.6(*5)	n.a.	n.a.	n.a.
M483	n.a.	n.a.	2.69(*5)	n.a.	n.a.	n.a.
M485	n.a.	n.a.	n.a.	n.a.	< RL	< RL
M499	n.a.	n.a.	n.a.	n.a.	< RL	< RL
M502	n.a.	n.a.	3.33(*4)	n.a.	n.a.	n.a.
M504	n.a.	n.a.	2.26(*4)	n.a.	n.a.	n.a.

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<b>Material No.</b>	<b>Hexavalent Chromium Content (<math>\mu\text{g}/\text{cm}^2</math>) (*1) RL: 0.10 <math>\mu\text{g}/\text{cm}^2</math></b>
M034	negative
M088	negative
M102	negative
M106	negative
M108	negative
M164	negative
M219	negative
M220	negative
M235	negative
M236	negative
M237	negative
M244	negative
M255	negative
M256	negative
M260	negative
M264	negative
M300	negative
M334	negative
M336	negative
M375	negative
M376	negative
M379	negative
M431	negative
M442	negative
M443	negative
M444	negative
M469	negative

<b>Material No.</b>	<b>Hexavalent Chromium Content (%) (*2) RL: 0.01%</b>
M039	< RL
M067	< RL
M188	< RL

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<b>Abbreviation:</b>	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:**

(\*) The reporting limit for each individual PBBs and individual PBDEs are :

Reporting Limit (%)		
<b>PBBs</b>	Bromobiphenyl	0.01
	Dibromobiphenyl	0.01
	Tribromobiphenyl	0.01
	Tetrabromobiphenyl	0.01
	Pentabromobiphenyl	0.01
	Hexabromobiphenyl	0.01
	Heptabromobiphenyl	0.01
	Octabromobiphenyl	0.01
	Nonabromobiphenyl	0.01
	Decabromobiphenyl	0.01
<b>PBDEs</b>	Bromodiphenylether	0.01
	Dibromodiphenyl ether	0.01
	Tribromodiphenyl ether	0.01
	Tetrabromodiphenyl ether	0.01
	Pentabromodiphenyl ether	0.01
	Hexabromodiphenyl ether	0.01
	Heptabromodiphenyl ether	0.01
	Octabromodiphenyl ether	0.01
	Nonabromodiphenyl ether	0.01
	Decabromodiphenyl ether	0.01

(\*1) The total chromium content in Metal sample was found to be exceeded the maximum permissible limit (0.1%). Thus, the Chromium (VI) content in surface layer have been confirmed with reference to IEC 62321-7-1:2015 Annex.

	Chromium (VI) concentration	Qualitative result
Negative	<0.1µg/cm <sup>2</sup>	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	≥0.1µg/cm <sup>2</sup> and ≤0.13 µg/cm <sup>2</sup>	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 µg/cm <sup>2</sup>	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 total chromium content in plastic sample or electronic sample was found to be exceeded the maximum permissible limit (0.1%). Thus, the Chromium (VI) content have been confirmed with reference to IEC 62321-7-2:2017

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- \*4 According to (EU) 2018/741 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.: M239, M317, M395, M398, M440, M470, M502, M504.
- \*5 According to (EU) 2018/736 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.: M038, M409, M474, M475, M482, M483.

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**BBP, DBP, DEHP, DIBP content**

Test Method: IEC 62321-8:2017

**Test Result:**

	BBP	DBP	DEHP	DIBP
<b>Maximum permissible Limit (%)</b>	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
T001	M001 + M008 + M208	< RL	< RL	< RL	< RL
T002	M003 + M007 + M010	< RL	< RL	< RL	< RL
T003	M005 + M013 + M035	< RL	< RL	< RL	< RL
T004	M014	< RL	< RL	< RL	< RL
T005	M015 + M016 + M046	< RL	< RL	< RL	< RL
T006	M017 + M033 + M044	< RL	< RL	< RL	< RL
T007	M004 + M027 + M029	< RL	< RL	< RL	< RL
T008	M018 + M020 + M271	< RL	< RL	< RL	< RL
T009	M021 + M024 + M032	< RL	< RL	< RL	< RL
T010	M022 + M031 + M311	< RL	< RL	< RL	< RL
T011	M025 + M199 + M223	< RL	< RL	< RL	< RL
T012	M037 + M127 + M141	< RL	< RL	< RL	< RL
T013	M048 + M049 + M051	< RL	< RL	< RL	< RL
T014	M055 + M062 + M110	< RL	< RL	< RL	< RL
T015	M056 + M057 + M058	< RL	< RL	< RL	< RL
T016	M059 + M060 + M061	< RL	< RL	< RL	< RL
T017	M063 + M065 + M080	< RL	< RL	< RL	< RL
T018	M074 + M075 + M078	< RL	< RL	< RL	< RL
T019	M081 + M082 + M085	< RL	< RL	< RL	< RL
T020	M086 + M097 + M098	< RL	< RL	< RL	< RL
T021	M092 + M093 + M094	< RL	< RL	< RL	< RL



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T022	M096 + M113 + M114	< RL	< RL	< RL	< RL
T023	M099 + M100 + M101	< RL	< RL	< RL	< RL
T024	M109 + M111 + M137	< RL	< RL	< RL	< RL
T025	M119 + M122 + M123	< RL	< RL	< RL	< RL
T026	M120 + M179 + M193	< RL	< RL	< RL	< RL
T027	M128 + M129 + M131	< RL	< RL	< RL	< RL
T028	M136 + M139 + M148	< RL	< RL	< RL	< RL
T029	M152 + M153 + M155	< RL	< RL	< RL	< RL
T030	M163 + M169 + M172	< RL	< RL	< RL	< RL
T031	M173 + M174 + M180	< RL	< RL	< RL	< RL
T032	M183 + M186 + M187	< RL	< RL	< RL	< RL
T033	M190 + M191 + M196	< RL	< RL	< RL	< RL
T034	M194 + M197 + M198	< RL	< RL	< RL	< RL
T035	M200 + M201 + M202	< RL	< RL	< RL	< RL
T036	M204 + M205 + M207	< RL	< RL	< RL	< RL
T037	M209 + M210 + M217	< RL	< RL	< RL	< RL
T038	M211 + M212 + M213	< RL	< RL	< RL	< RL
T039	M214 + M248 + M293	< RL	< RL	< RL	< RL
T040	M216 + M222 + M232	< RL	< RL	< RL	< RL
T041	M218	< RL	< RL	< RL	< RL
T042	M224 + M231 + M238	< RL	< RL	< RL	< RL
T043	M225 + M226 + M227	< RL	< RL	0.016	< RL
T044	M229 + M230 + M240	< RL	< RL	< RL	< RL
T045	M228 + M364 + M365	< RL	< RL	0.008	< RL
T046	M234 + M242 + M245	< RL	< RL	< RL	< RL
T047	M247 + M249 + M250	< RL	< RL	< RL	< RL
T048	M252 + M254 + M266	< RL	< RL	< RL	< RL
T049	M267 + M268 + M269	< RL	< RL	< RL	< RL
T050	M270 + M323 + M362	< RL	0.009	< RL	< RL

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T051	M272 + M284 + M290	< RL	< RL	< RL	< RL
T052	M273 + M274 + M310	< RL	< RL	< RL	< RL
T053	M275 + M291 + M340	< RL	< RL	< RL	< RL
T054	M276 + M282 + M321	< RL	< RL	< RL	< RL
T055	M277 + M287 + M289	< RL	< RL	< RL	< RL
T056	M278 + M280 + M292	< RL	< RL	< RL	< RL
T057	M279 + M283 + M363	< RL	0.028	< RL	< RL
T058	M294 + M296 + M297	< RL	< RL	< RL	< RL
T059	M298 + M318 + M322	< RL	< RL	< RL	< RL
T060	M299 + M309 + M316	< RL	< RL	< RL	< RL
T061	M301 + M302 + M303	< RL	< RL	< RL	< RL
T062	M304 + M305 + M306	< RL	< RL	< RL	< RL
T063	M307 + M308 + M326	< RL	< RL	< RL	< RL
T064	M312 + M313 + M314	< RL	< RL	< RL	< RL
T065	M315 + M319 + M320	< RL	< RL	< RL	< RL
T066	M324 + M325 + M337	< RL	< RL	< RL	< RL
T067	M327 + M328 + M329	< RL	< RL	< RL	< RL
T068	M330 + M331 + M332	< RL	< RL	< RL	< RL
T069	M333 + M358 + M360	< RL	0.024	< RL	< RL
T070	M335 + M347 + M348	< RL	< RL	< RL	< RL
T071	M338 + M339 + M368	< RL	< RL	< RL	< RL
T072	M342 + M343 + M344	< RL	< RL	< RL	< RL
T073	M349 + M350 + M351	< RL	< RL	< RL	< RL
T074	M352 + M353 + M354	< RL	< RL	< RL	< RL
T075	M355 + M356 + M371	< RL	< RL	< RL	< RL
T076	M372 + M373 + M374	< RL	< RL	< RL	< RL
T077	M377 + M378 + M383	< RL	< RL	< RL	< RL
T078	M384 + M385 + M386	< RL	< RL	< RL	< RL
T079	M387 + M391 + M394	< RL	< RL	< RL	< RL

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T080	M388 + M390 + M392	< RL	< RL	< RL	< RL
T081	M393 + M500 + M501	< RL	< RL	< RL	< RL
T082	M396 + M404 + M405	< RL	< RL	< RL	< RL
T083	M397 + M401 + M402	< RL	< RL	< RL	< RL
T084	M408 + M410 + M418	< RL	< RL	< RL	< RL
T085	M426 + M427 + M432	< RL	< RL	< RL	< RL
T086	M403 + M419 + M433	< RL	< RL	< RL	< RL
T087	M435 + M438 + M439	< RL	< RL	< RL	< RL
T088	M436 + M441 + M457	< RL	< RL	< RL	< RL
T089	M446 + M447 + M448	< RL	< RL	< RL	< RL
T090	M449 + M455 + M456	< RL	< RL	< RL	< RL
T091	M454 + M478 + M479	< RL	< RL	< RL	< RL
T092	M458 + M468 + M471	< RL	< RL	< RL	< RL
T093	M459 + M463 + M465	< RL	< RL	< RL	< RL
T094	M467 + M477 + M485	< RL	< RL	< RL	< RL
T095	M489 + M491 + M493	< RL	< RL	< RL	< RL
T096	M487 + M494 + M495	< RL	< RL	< RL	< RL
T097	M464 + M472 + M499	< RL	< RL	< RL	< RL
T098	M006 + M117 + M221	< RL	< RL	< RL	< RL
T099	M125 + M138 + M162	< RL	< RL	< RL	< RL
T100	M147 + M263 + M496	< RL	< RL	< RL	< RL
T102	M265 + M359 + M366	< RL	< RL	< RL	< RL
T103	M166 + M167	< RL	< RL	< RL	< RL
T104	M195 + M361 + M369	< RL	< RL	< RL	< RL
T105	M285 + M370 + M503	< RL	< RL	< RL	< RL
T106	M399 + M400 + M412	< RL	< RL	< RL	< RL
T107	M414 + M415 + M450	< RL	< RL	< RL	< RL
T108	M451 + M452 + M453	< RL	< RL	< RL	< RL
T109	M486 + M492	< RL	< RL	< RL	< RL

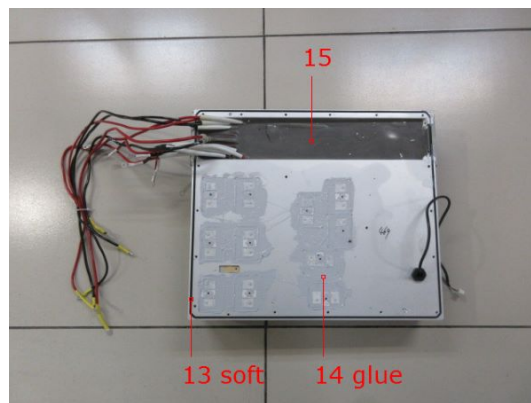
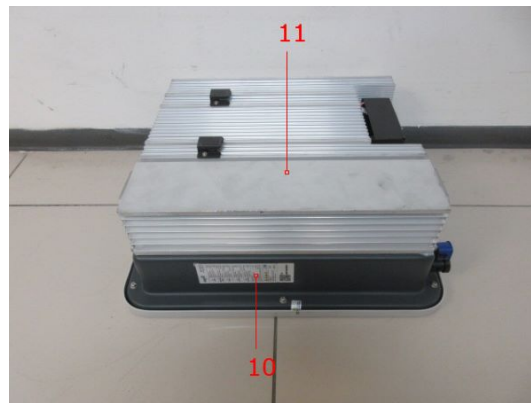
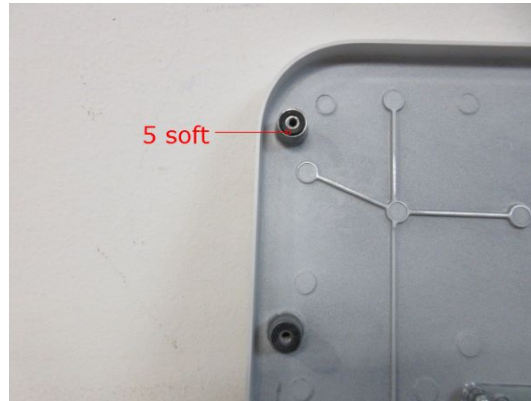
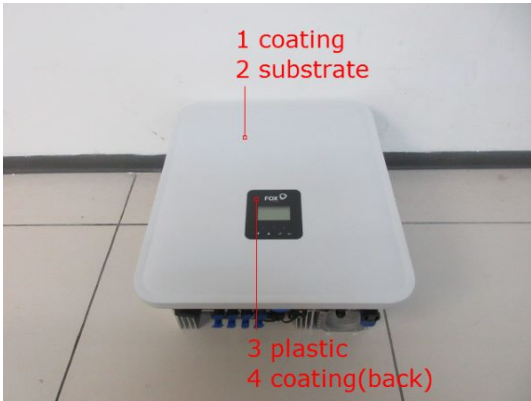
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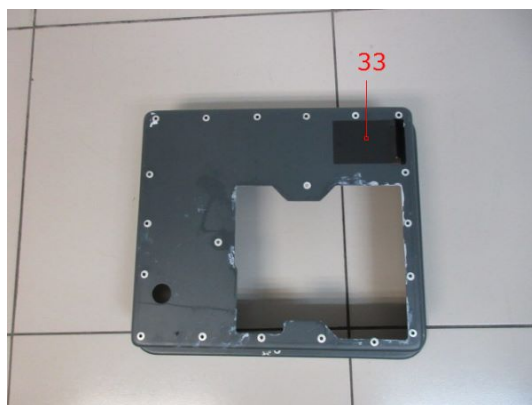
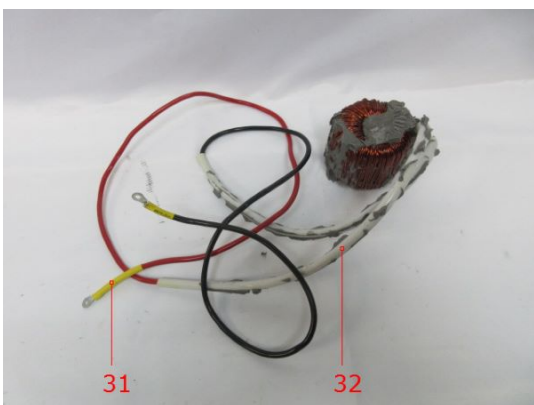
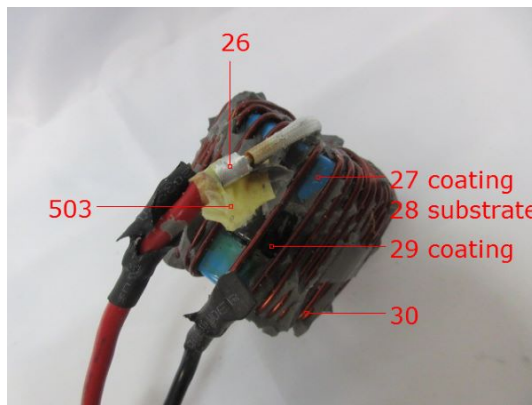
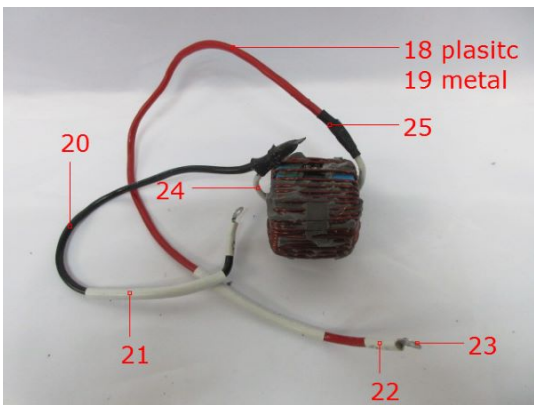
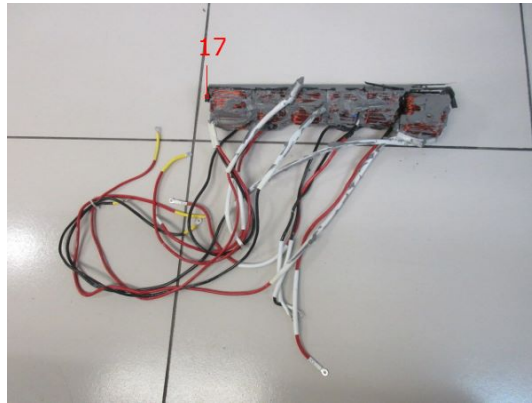
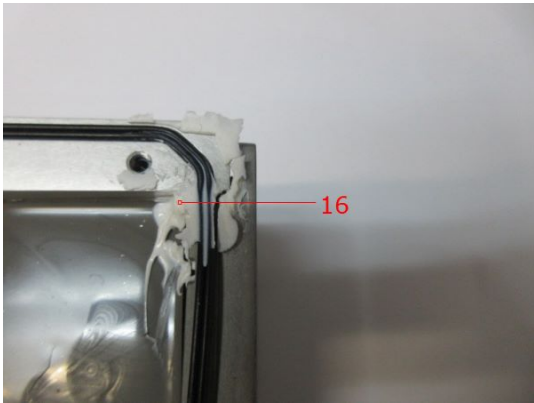
T110	M246	< RL	< RL	0.073	< RL
T111	M259	< RL	< RL	0.079	< RL
T112	M367	< RL	< RL	< RL	< RL

**Abbreviation:** BBP= Benzylbutyl phthalate  
DBP= Dibutyl phthalate  
DEHP= Bis(2-ethylhexyl) phthalate  
DIBP= Diisobutyl phthalate  
< = less than  
RL = Reporting Limit  
N.A. = Not Applicable  
%= percentage

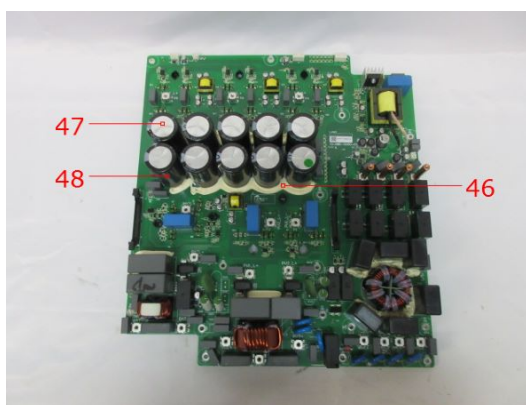
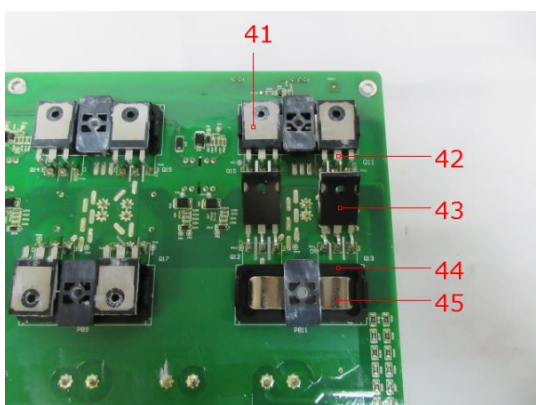
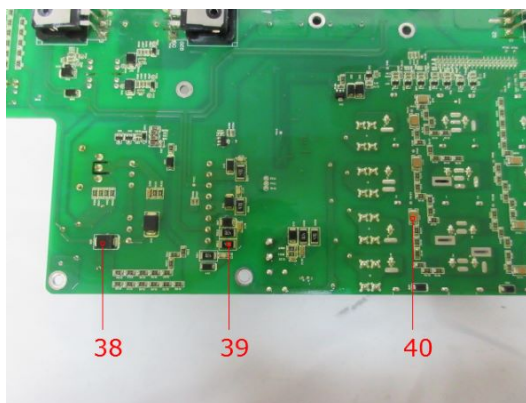
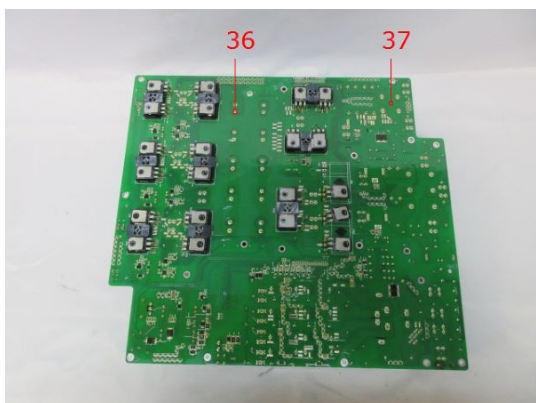
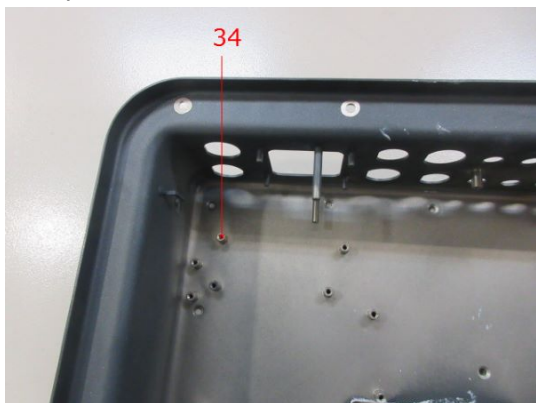
Sample Photos



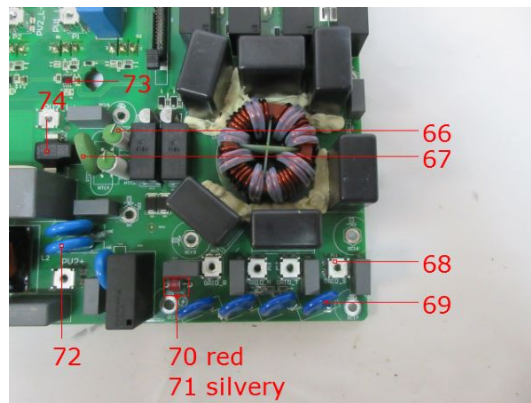
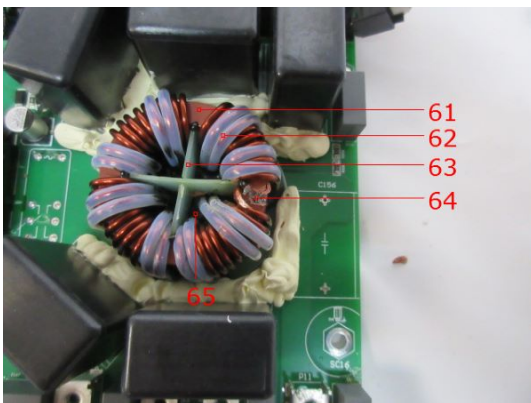
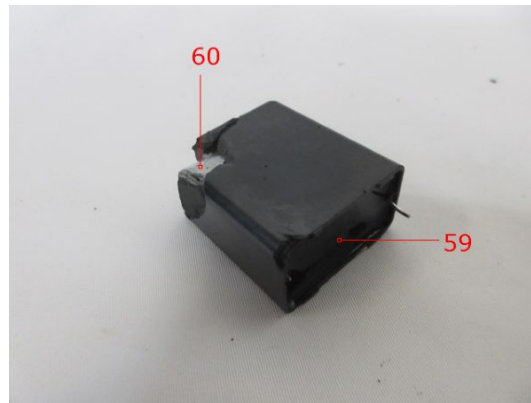
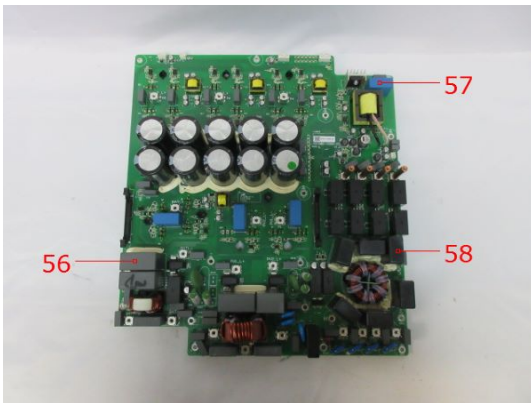
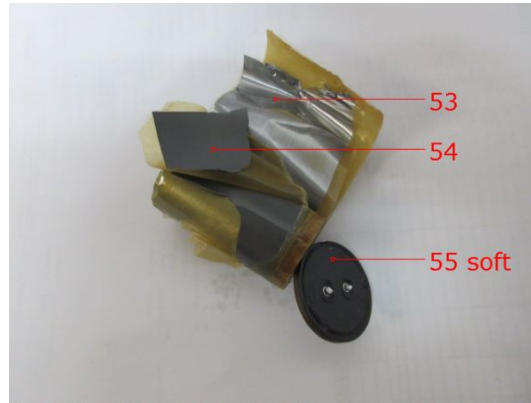
Sample Photos



Sample Photos

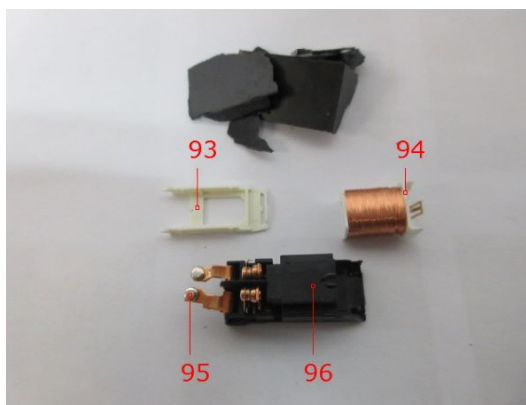
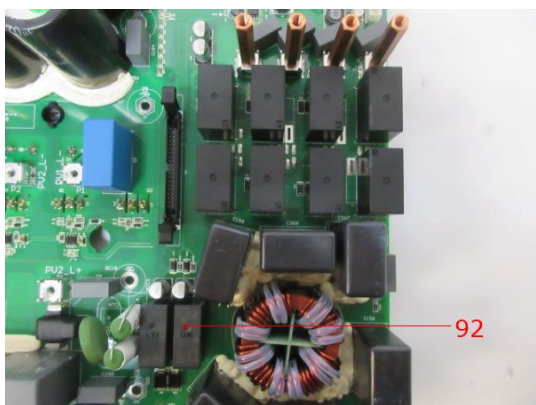
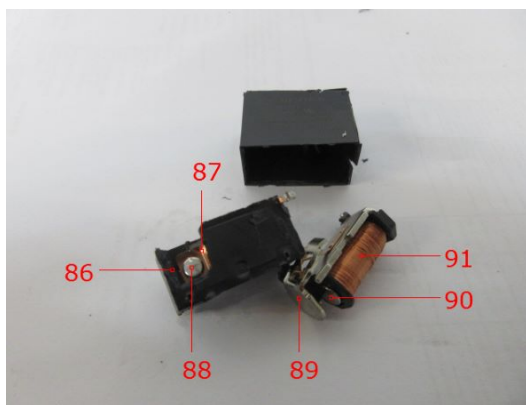
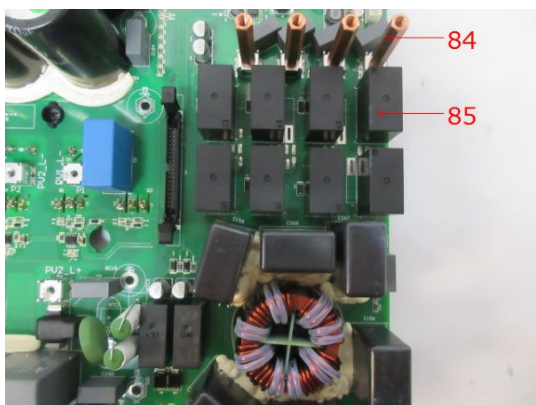
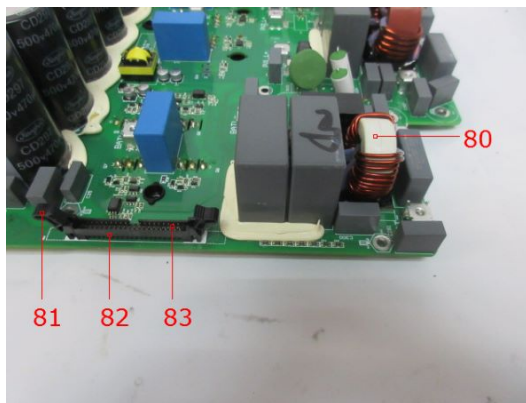


Sample Photos

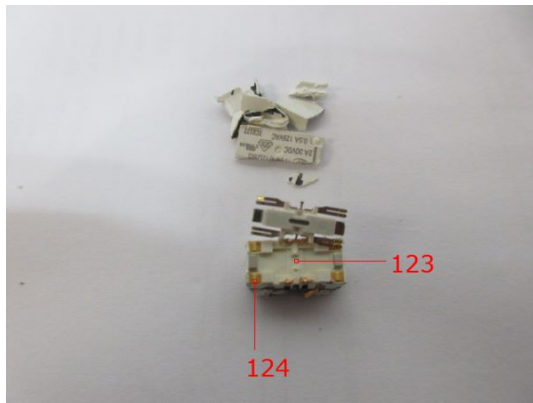
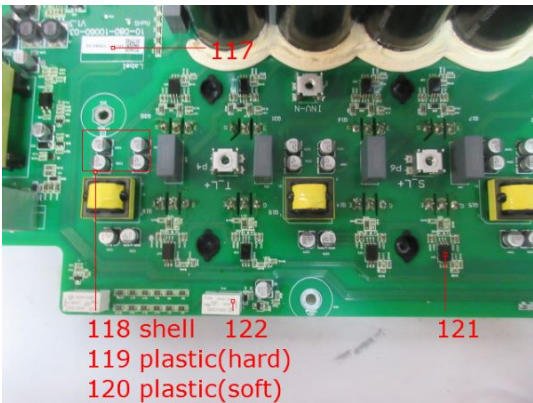
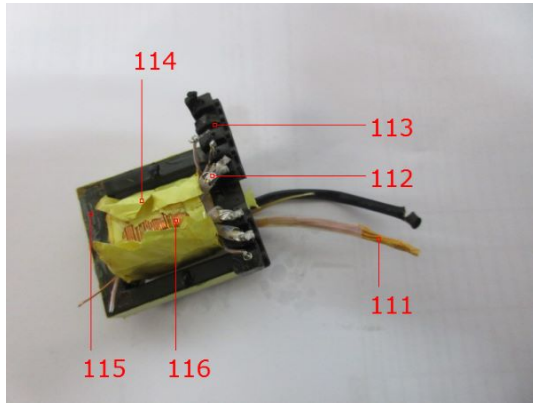
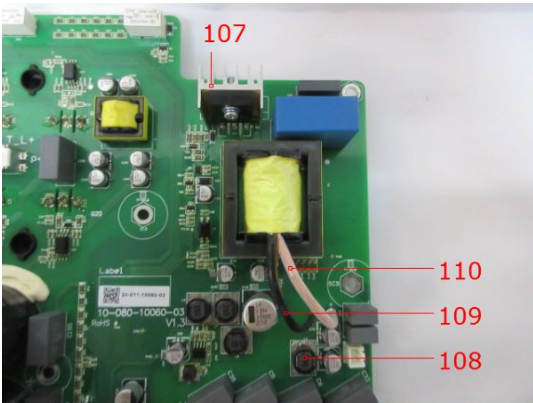




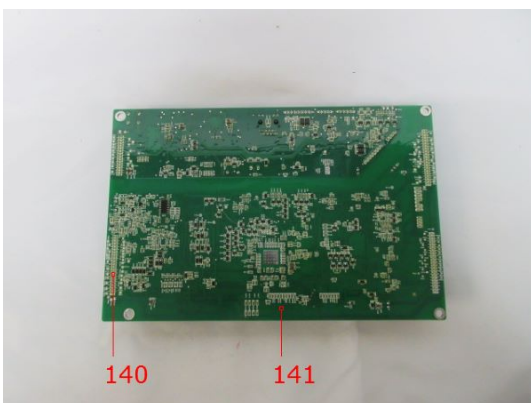
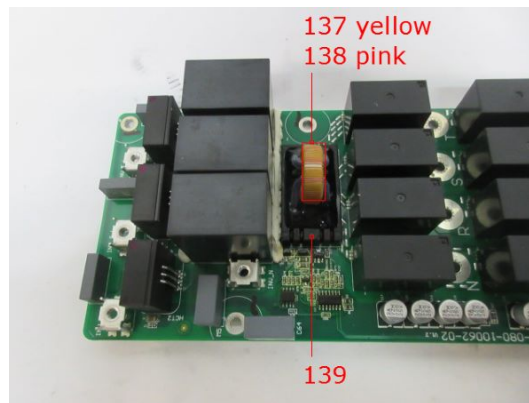
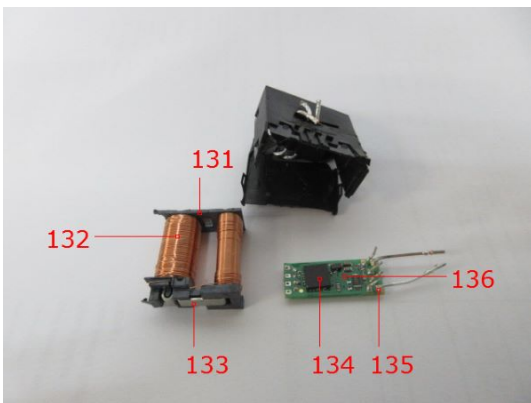
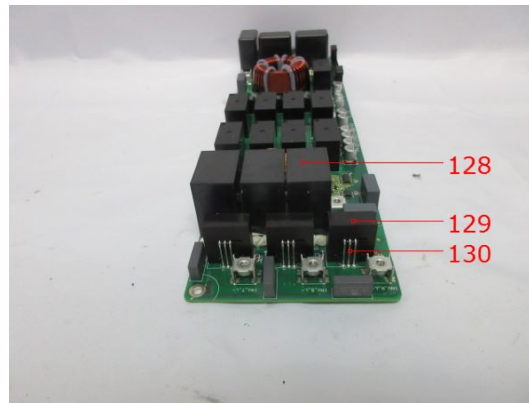
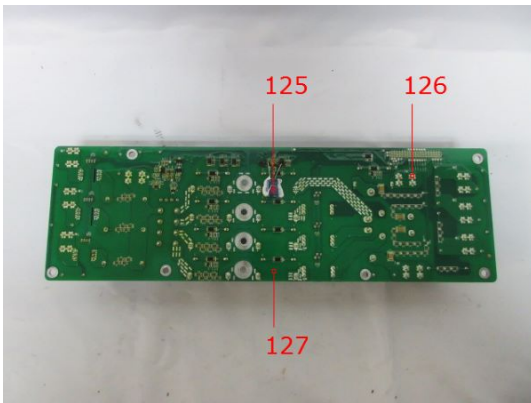
Sample Photos



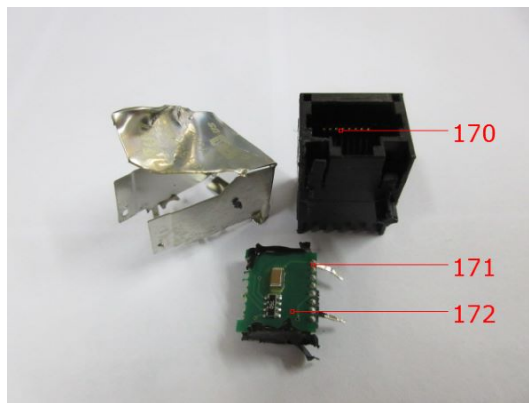
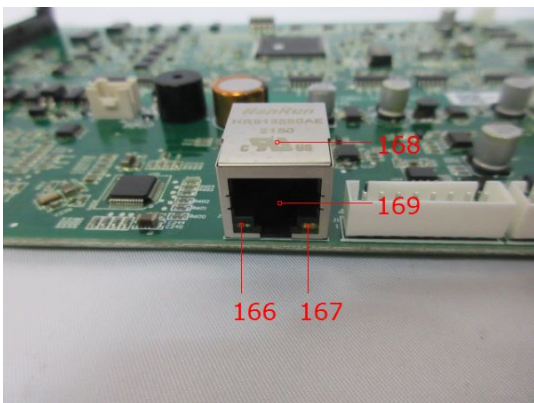
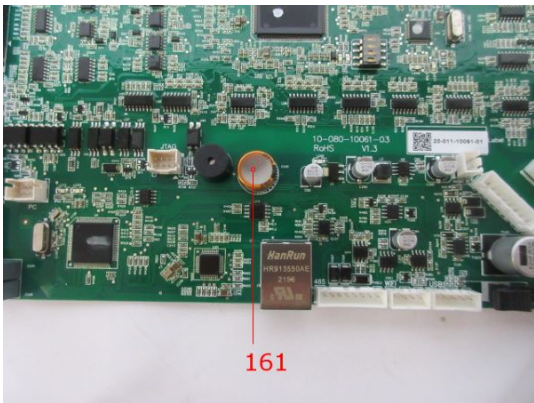
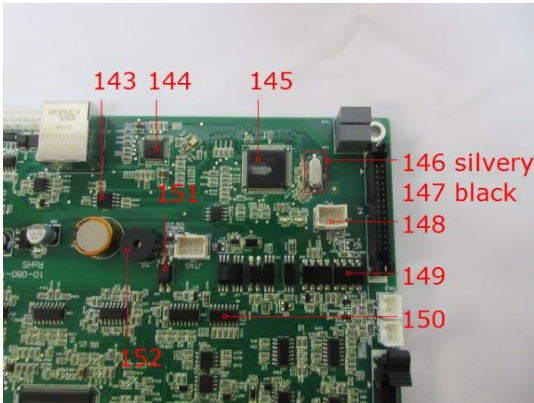
Sample Photos



Sample Photos

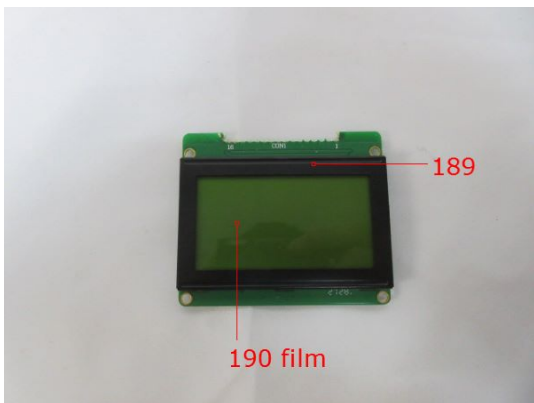
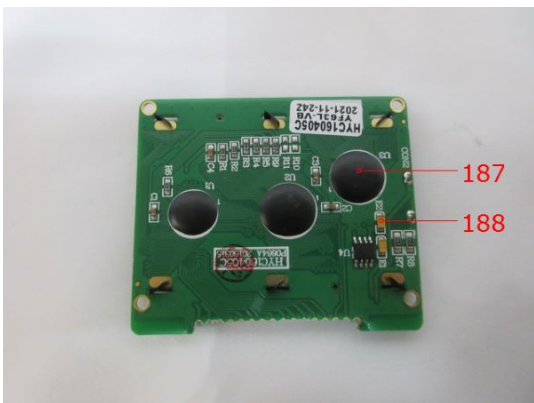
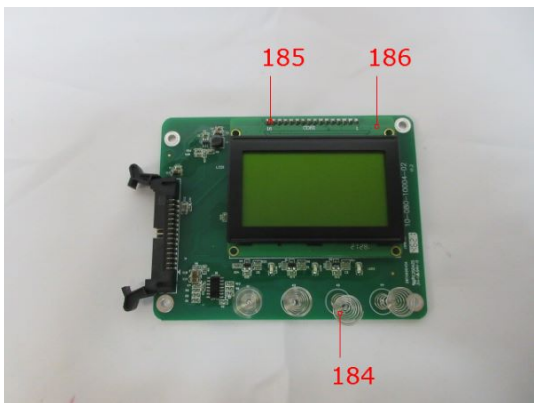
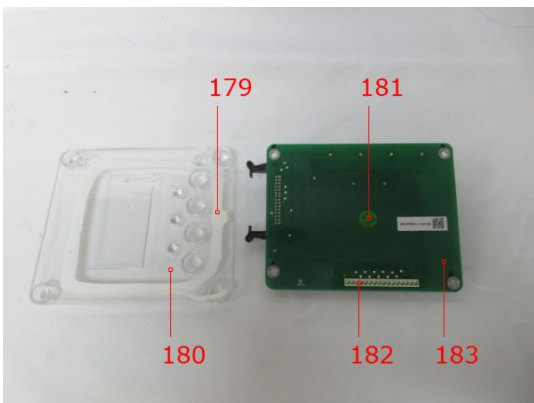
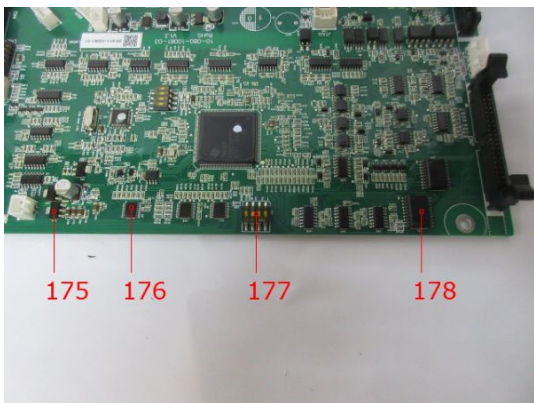
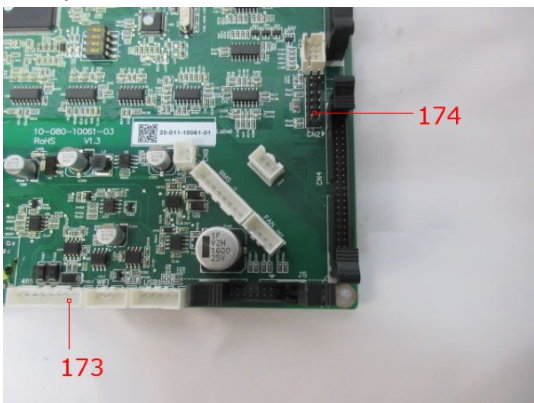


Sample Photos



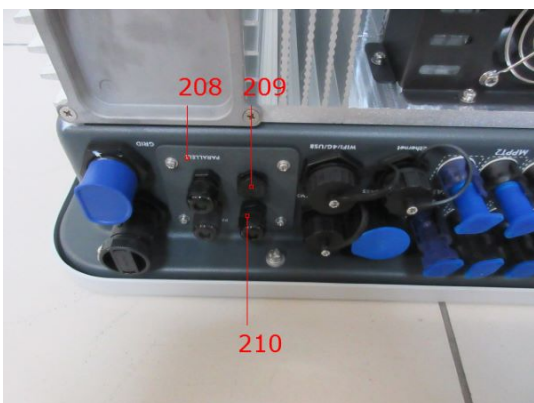
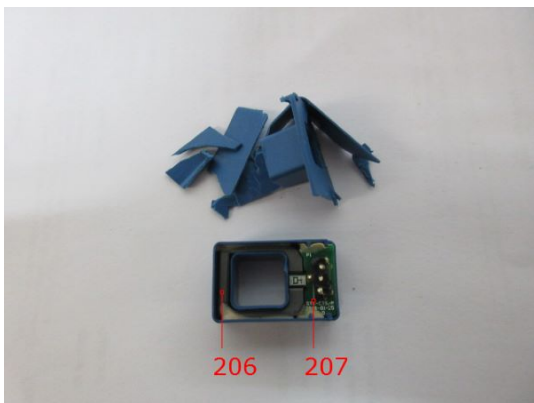
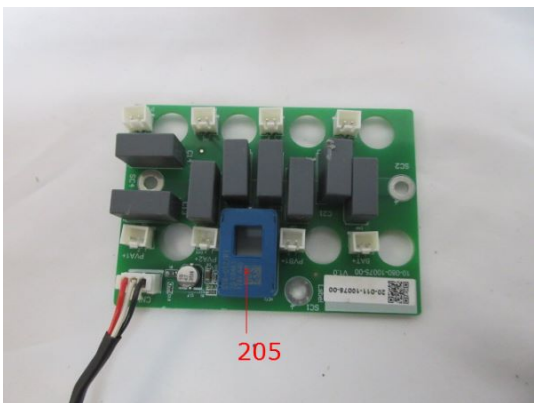
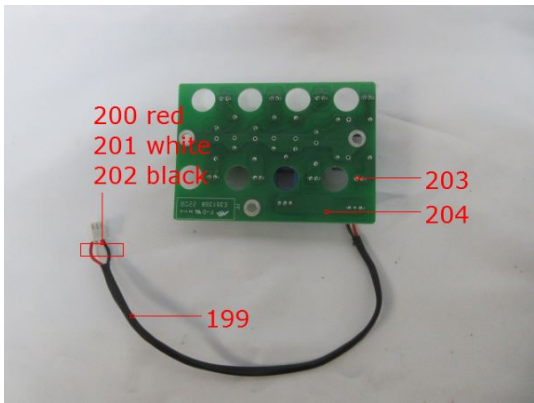
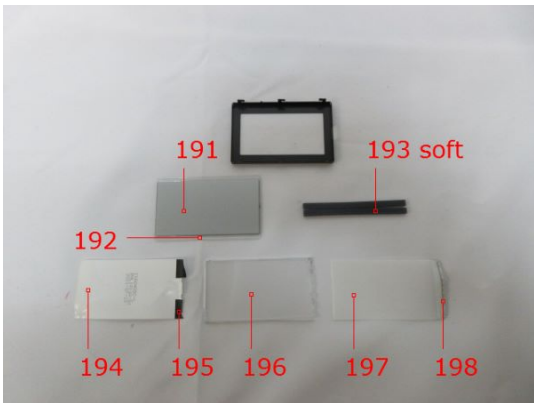
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Sample Photos

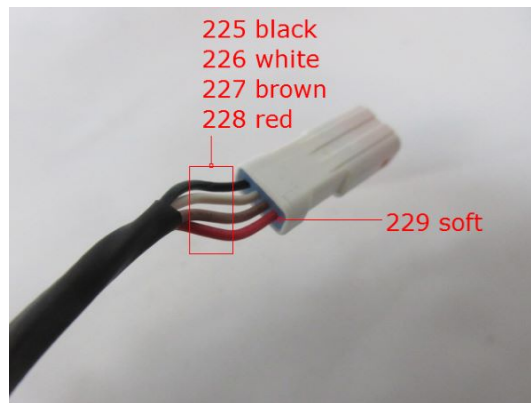
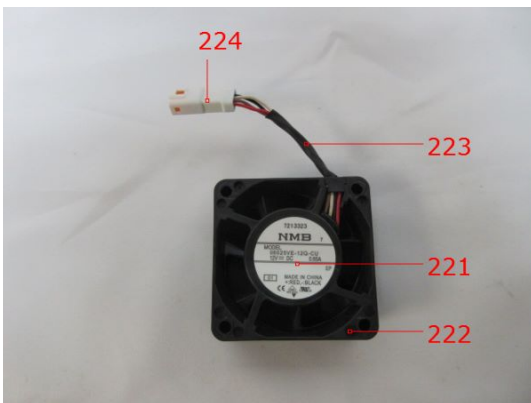
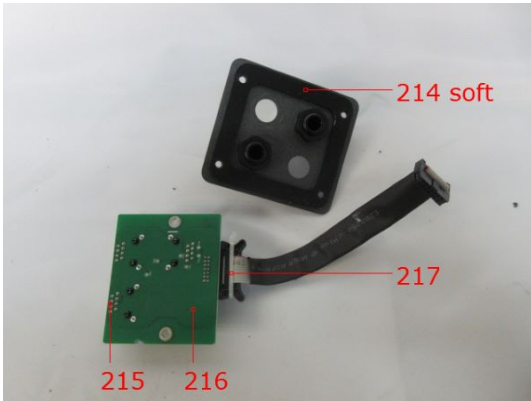


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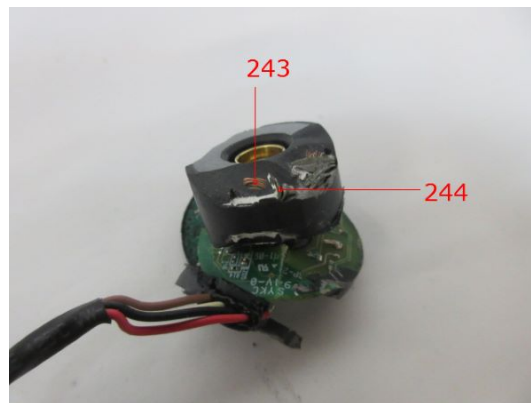
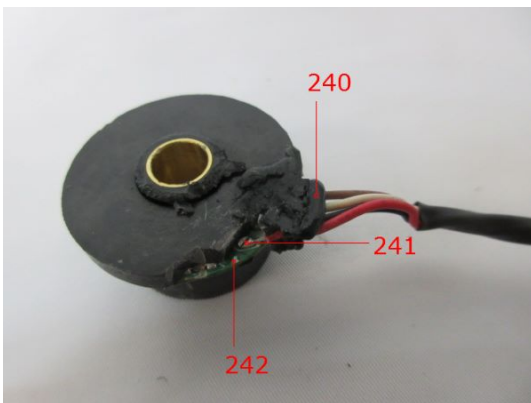
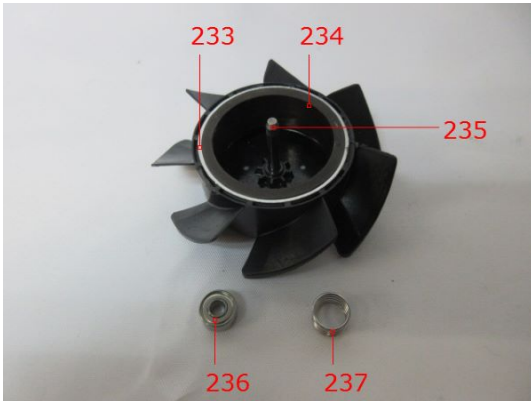
Sample Photos



Sample Photos

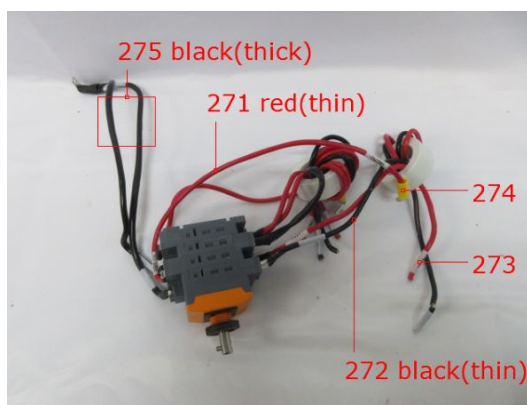
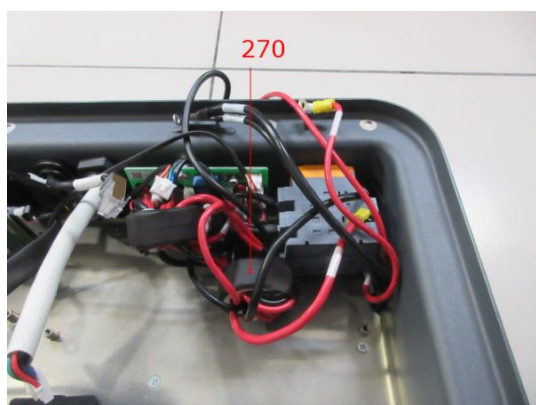
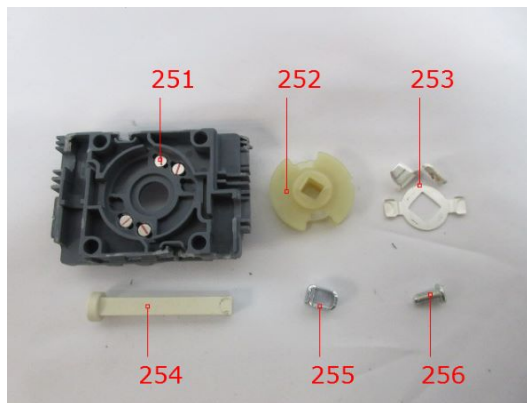
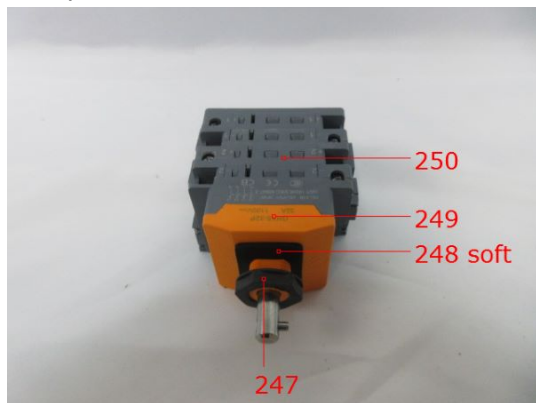


Sample Photos



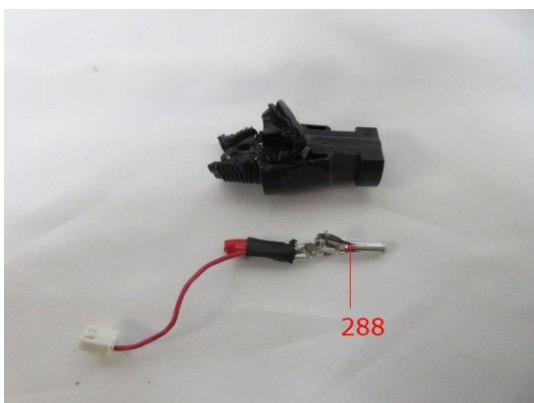
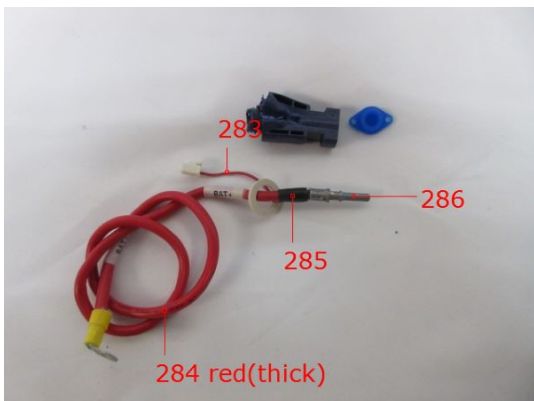


Sample Photos

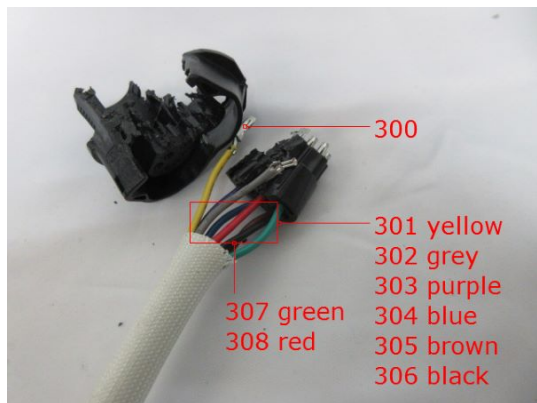
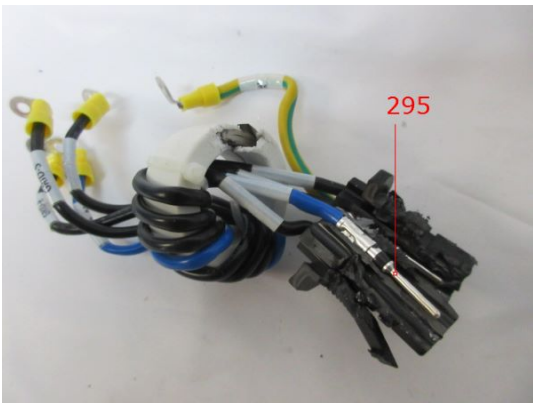
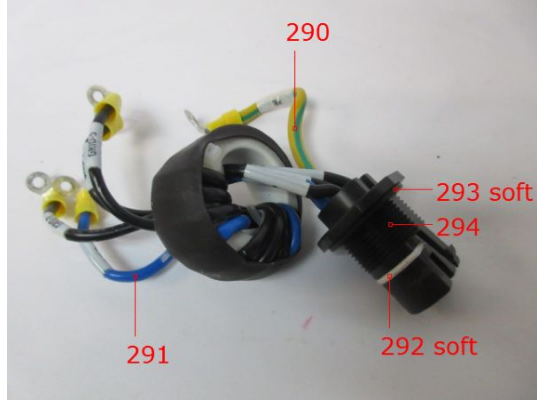


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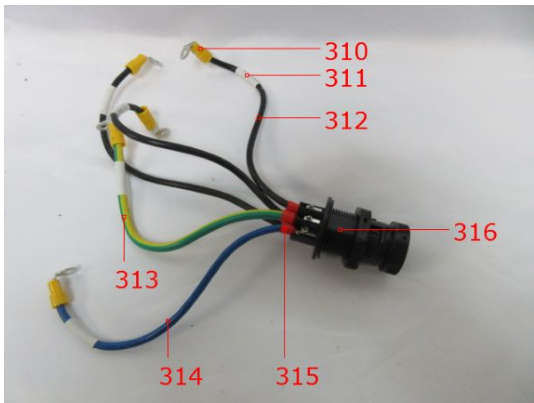
Sample Photos



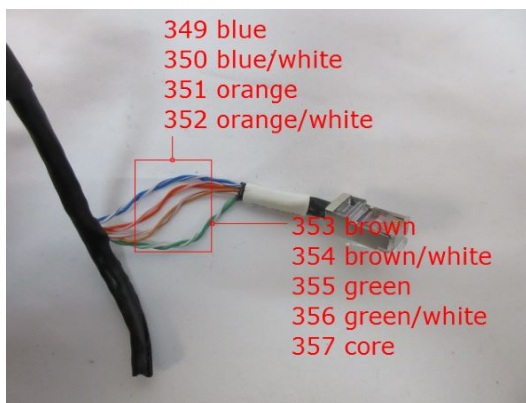
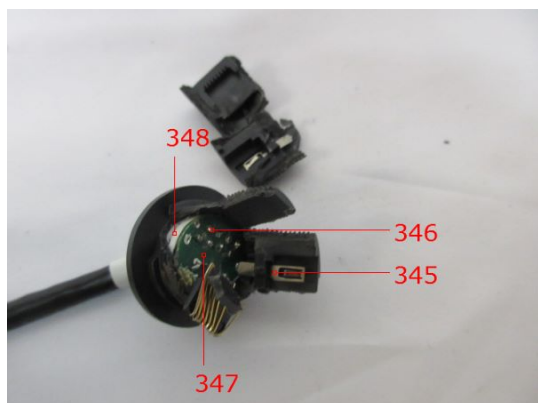
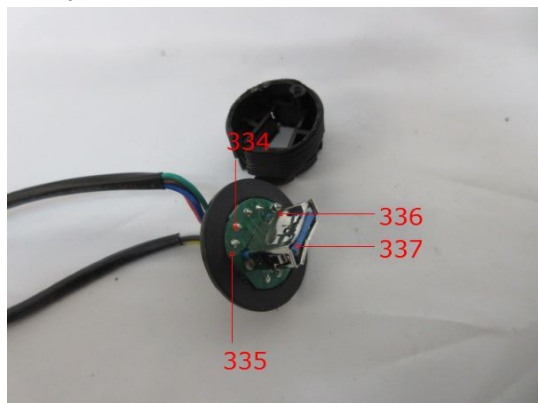
Sample Photos



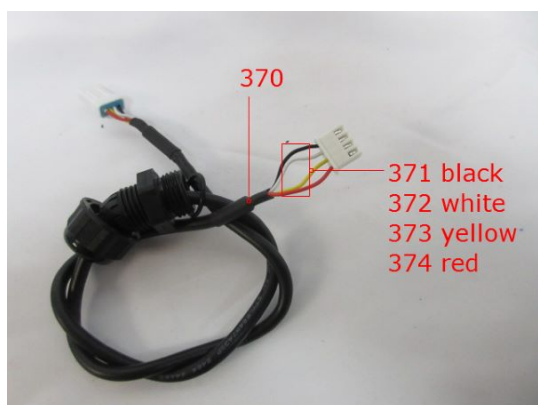
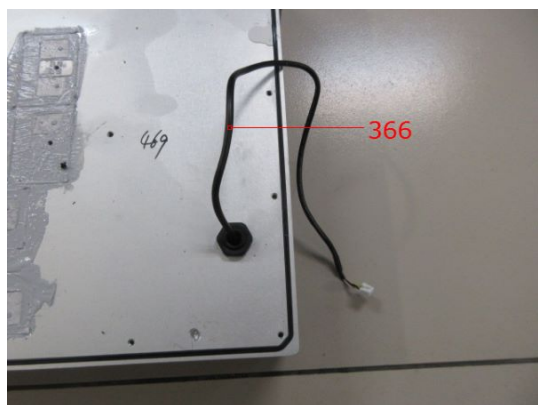
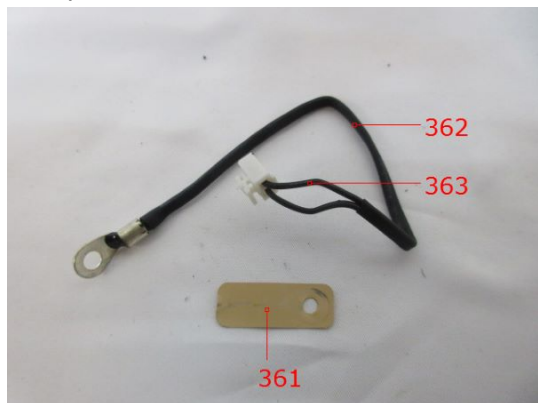
Sample Photos



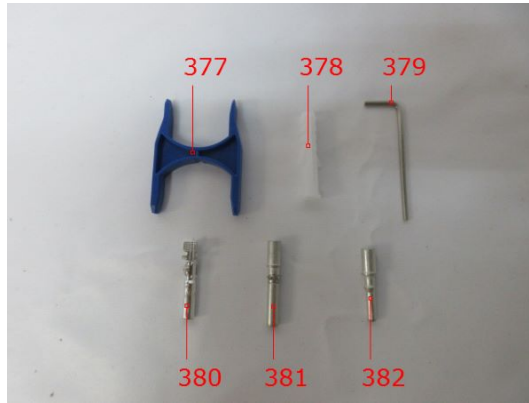
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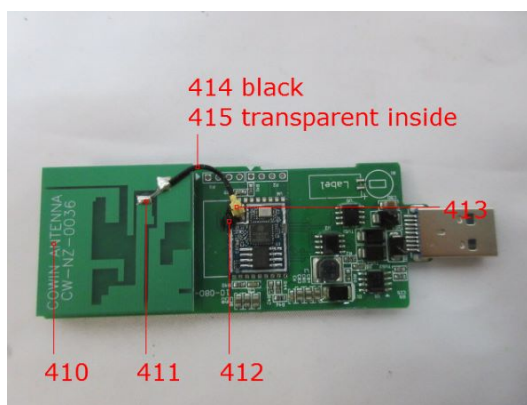
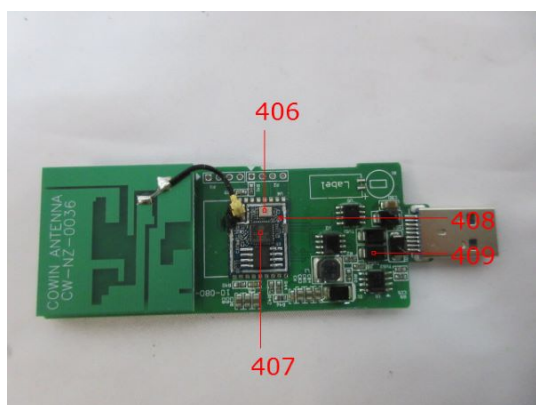
Sample Photos



Sample Photos

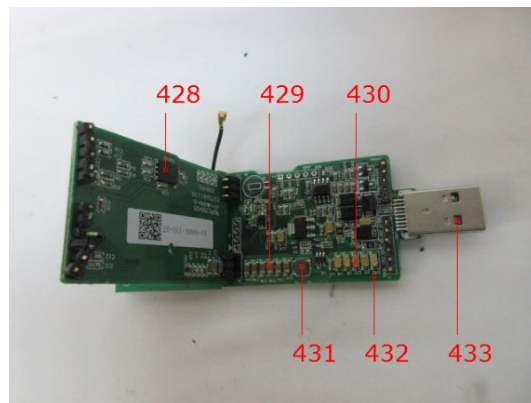
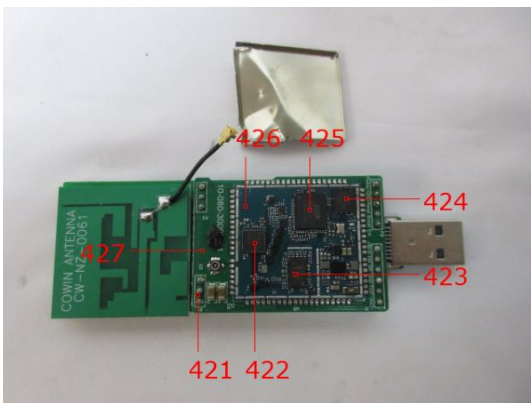
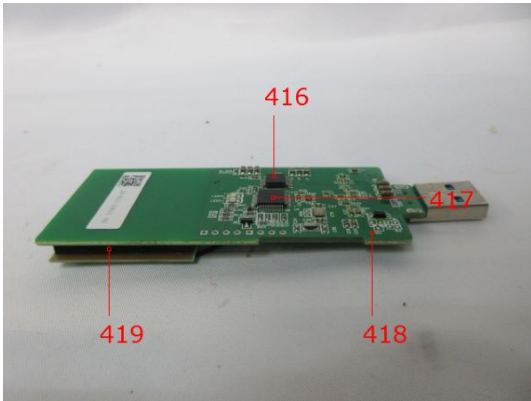


Sample Photos

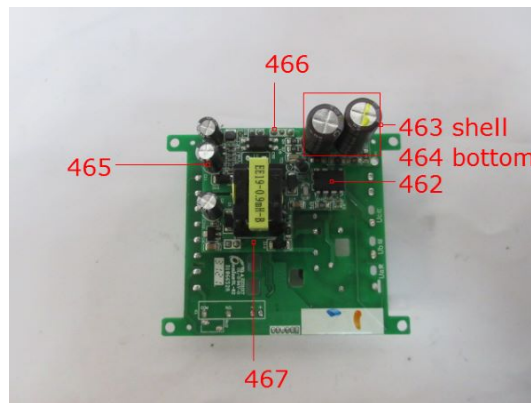
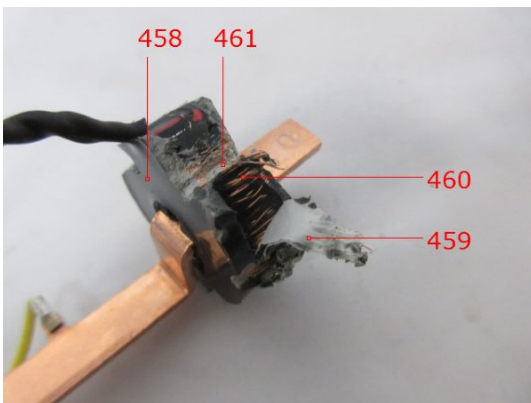
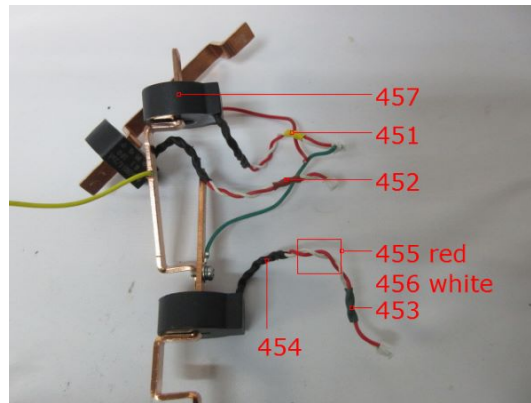
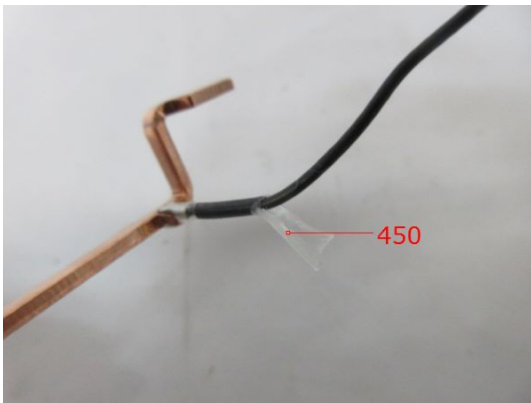
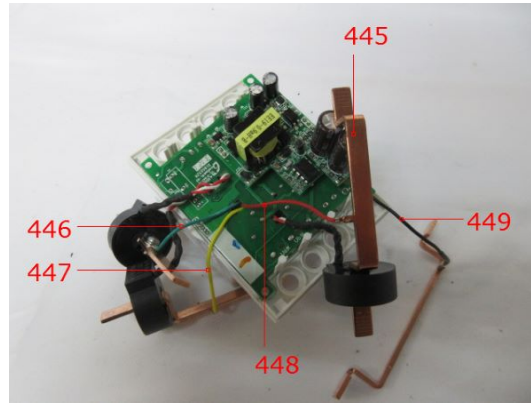
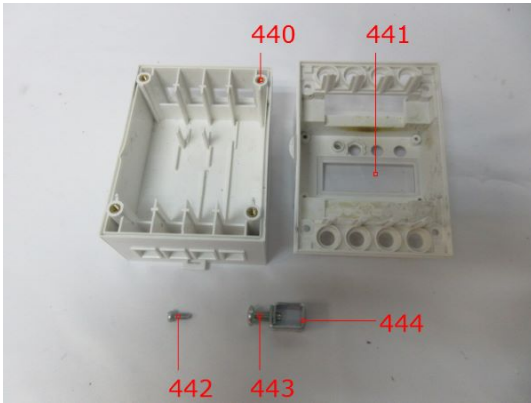




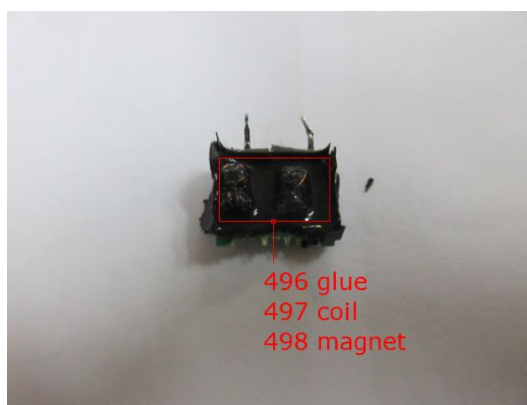
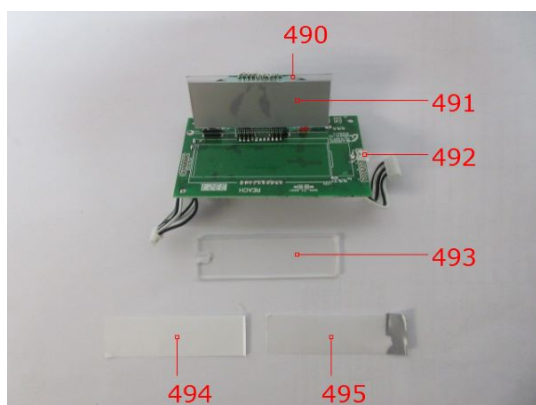
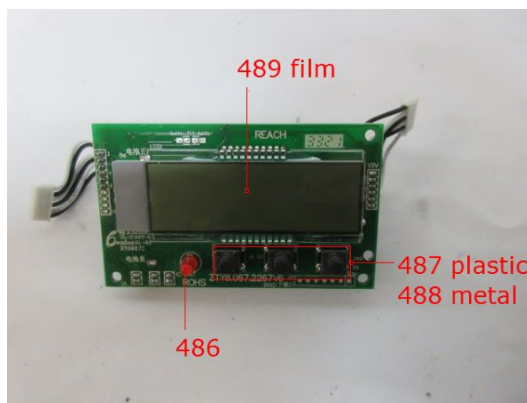
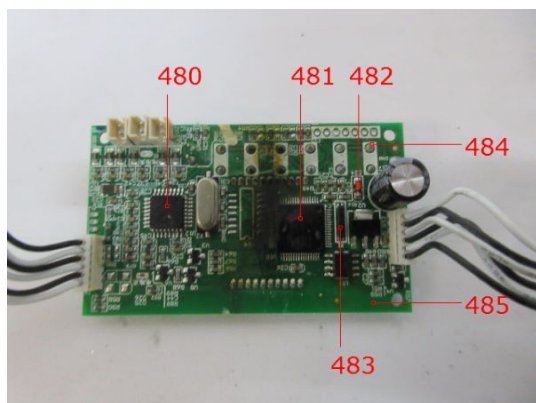
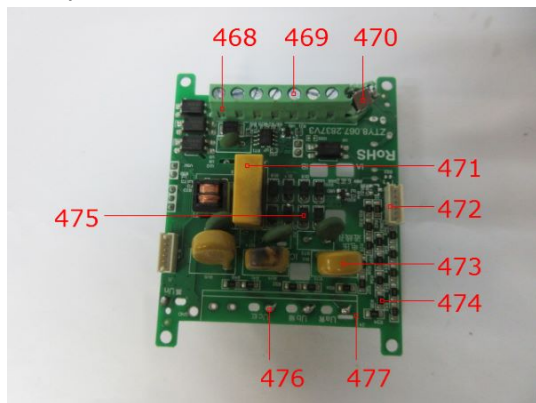
Sample Photos



Sample Photos



Sample Photos



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Sample Photos



Product

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