



Zhong An Certification

QUALITY MANAGEMENT SYSTEM CERTIFICATE

Certificate No.: 02825Q14217R0M

Hereby certifies that the Organization

Anhui Wenxiang Information Technology Co.,Ltd.

Unified Social Credit Identifier: 91341700MA2RX1AM12

Registered Address: Wenxiang Technology Park, South West Fengming Avenue, Wanjiang Jiangnan Emerging Industry Concentration Zone, Chizhou, Anhui, China

Postal Code: 247100

Operational Address: Wenxiang Technology Park, South West Fengming Avenue, Wanjiang Jiangnan Emerging Industry Concentration Zone, Chizhou, Anhui, China

Postal Code: 247100

The Quality Management System fulfills the requirements of the following standard:

GB/T 19001—2016/ISO 9001:2015 Quality management systems — Requirements

The scope of certification covered by this certificate is as follows:

Production,sales and after-sales services of recording and broadcasting equipment,virtual broadcasting equipment,smart blackboard (display),LCD display unit (display),interactive electronic whiteboard;research and development, sales and after-sales services of recording and broadcasting system software,virtual studio system software,audio and video remote interaction system software and educational information management software and platform(official licenses apply where required)

Date of initial certification:Dec.02.2025

Term of Validity: from Dec.02.2025 to Dec.01.2028

Date of Certificate Issuance: Dec.02.2025

The validity of this certificate shall be maintained when the certified organization accepts surveillances on schedule and is confirmed qualified through surveillance audits, meanwhile, its administrative license is within the period of validity.

Scan the QR code of the certificate status to verify the authenticity and dynamic information of this certificate.



中国认可
国际互认
管理体系
MANAGEMENT SYSTEM
CNAS C028-M

Issued by:

Den Lei



Beijing Zhong An Zhi Huan Certification Center Co., Ltd.

(Former 8:1 Certification Center of Quality System)

Address: 202, 2/F, No. 58, South of East 3rd Ring Road, Chaoyang District, Beijing 100022, P.R.China

Certificate Validity Inquiry: ZAZH website: <http://www.zazh.com/query.html> or CNCA website: <https://www.cnca.gov.cn>. You can also query by scanning the QR code.

Contact information and complaint channels can be scanned by the QR code on the right.



Contact Info



Zhong An Certification

ENVIRONMENTAL MANAGEMENT SYSTEM CERTIFICATE

Certificate No.: 02825E12731R0M

Hereby certifies that the Organization

Anhui Wenxiang Information Technology Co.,Ltd.

Unified Social Credit Identifier: 91341700MA2RX1AM12

Registered Address: Wenxiang Technology Park, South West Fengming Avenue, Wanjiang Jiangnan Emerging Industry Concentration Zone, Chizhou, Anhui, China

Postal Code: 247100

Operational Address: Wenxiang Technology Park, South West Fengming Avenue, Wanjiang Jiangnan Emerging Industry Concentration Zone, Chizhou, Anhui, China

Postal Code: 247100

The Environmental System fulfills the requirements of the following standard:

GB/T 24001—2016/ISO 14001:2015 Environmental management systems — Requirements with guidance for use

The scope of certification covered by this certificate is as follows:

Environmental management activities involved in production,sales and after-sales services of recording and broadcasting equipment,virtual broadcasting equipment,smart blackboard (display),LCD display unit (display),interactive electronic whiteboard;research and development, sales and after-sales services of recording and broadcasting system software,virtual studio system software,audio and video remote interaction system software and educational information management software and platform(official licenses apply where required)

Date of initial certification:Dec.02.2025

Term of Validity: from Dec.02.2025 to Dec.01.2028

Date of Certificate Issuance: Dec.02.2025

The validity of this certificate shall be maintained when the certified organization accepts surveillances on schedule and is confirmed qualified through surveillance audits, meanwhile, its administrative license is within the period of validity.

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Certificate Validity Inquiry: ZAZH website: <http://www.zazh.com/query.html> or CNCA website: <https://www.cnca.gov.cn>. You can also query by scanning the QR code.

Contact information and complaint channels can be scanned by the QR code on the right.



Contact Info



Zhong An Certification

OCCUPATIONAL HEALTH AND SAFETY MANAGEMENT SYSTEM CERTIFICATE

Certificate No.: 02825S12592R0M

Hereby certifies that the Organization

Anhui Wenxiang Information Technology Co.,Ltd.

Unified Social Credit Identifier: 91341700MA2RX1AM12

Registered Address: Wenxiang Technology Park, South West Fengming Avenue, Wanjiang Jiangnan Emerging Industry Concentration Zone, Chizhou, Anhui, China

Postal Code: 247100

Operational Address: Wenxiang Technology Park, South West Fengming Avenue, Wanjiang Jiangnan Emerging Industry Concentration Zone, Chizhou, Anhui, China

Postal Code: 247100

The Occupational Health and Safety Management System fulfills the requirements of the following standard:

GB/T 45001-2020/ISO 45001:2018 Occupational health and safety management systems — Requirements with guidance for use

The scope of certification covered by this certificate is as follows:

Occupational health and safety management activities involved in production,sales and after-sales services of recording and broadcasting equipment,virtual broadcasting equipment,smart blackboard (display),LCD display unit (display),interactive electronic whiteboard;research and development, sales and after-sales services of recording and broadcasting system software,virtual studio system software,audio and video remote interaction system software and educational information management software and platform(official licenses apply where required)

Date of initial certification:Dec.02.2025

Term of Validity: from Dec.02.2025 to Dec.01.2028

Date of Certificate Issuance: Dec.02.2025

The validity of this certificate shall be maintained when the certified organization accepts surveillances on schedule and is confirmed qualified through surveillance audits, meanwhile, its administrative license is within the period of validity.

Scan the QR code of the certificate status to verify the authenticity and dynamic information of this certificate.



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Beijing Zhong An Zhi Huan Certification Center Co., Ltd.

(Former 8-1 Certification Center of Quality System)

Address: 202, 2/F, No. 58, South of East 3rd Ring Road, Chaoyang District, Beijing 100022, P.R.China

Certificate Validity Inquiry: ZAZH website: <http://www.zazh.com/query.html> or CNCA website: <https://www.cnca.gov.cn>. You can also query by scanning the QR code.

Contact information and complaint channels can be scanned by the QR code on the right.



Certificate Status



Contact Info



Zhong An Certification

INFORMATION SECURITY MANAGEMENT SYSTEM CERTIFICATE

Certificate No.: 02825X10254R0M

Hereby certifies that the Organization

Anhui Wenxiang Information Technology Co.,Ltd.

Unified Social Credit Identifier: 91110108397103234A

Registered Address: Wenxiang Technology Park, South West Fengming Avenue, Wanjiang Jiangnan Emerging Industry Concentration Zone, Chizhou, Anhui, China

Postal Code: 247100

Operational Address: Wenxiang Technology Park, South West Fengming Avenue, Wanjiang Jiangnan Emerging Industry Concentration Zone, Chizhou, Anhui, China

Postal Code: 247100

The Information Security Management System fulfills the requirements of the following standard:

GB/T 22080—2025/ISO/IEC27001:2022 Cybersecurity technology—Information security management systems—Requirements

The scope of certification covered by this certificate is as follows:

(CCC certification and official licenses apply where required.)Research and development,sales services of recording and broadcasting system software, educational information management software and platform, intelligent teaching interactive management software, behavior analysis system software; research and development, sales services of recording and broadcasting equipment, virtual broadcasting equipment, smart blackboard (display), LCD display unit (display), interactive electronic whiteboard, interactive all-in-one machine; information security management activities related to computer information system integration services.(CCC certification and official licenses apply where required.)(SOA::A/1)

Date of initial certification:May 26,2025

Term of Validity: from May 26,2025 to May 25,2028

Change date: May 22,2026

The validity of this certificate shall be maintained when the certified organization accepts surveillances on schedule and is confirmed qualified through surveillance audits, meanwhile, its administrative license is within the period of validity. Scan the QR code of the certificate status to verify the authenticity and dynamic information of this certificate.



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Issued by:

Den Lei



Beijing Zhong An Zhi Huan Certification Center Co., Ltd.

(Former 8:1Certification Center of Quality System)

Address: 202, 2/F, No. 58, South of East 3rd Ring Road, Chaoyang District, Beijing 100022, P.R.China

Certificate Validity Inquiry: ZAZH website: <http://www.zazh.com/query.html> or CNCA website: <https://www.cnca.gov.cn>. You can also query by scanning the QR code.

Contact information and complaint channels can be scanned by the QR code on the right.



Contact Info



中安认证

SUPPLY CHAIN SECURITY MANAGEMENT SYSTEM CERTIFICATE OF CONFORMITY

This is to certify that the Supply Chain Security Management System of

Anhui Wenxiang Technology CO.,LTD.

Unified Social Credit Identifier:91110108397103234A

(Registered Address: Intersection of Fengming Avenue and Hanjiang Road, Jiangnan industrial concentration area, Chizhou, Anhui Postal Code:247100)

has been audited by Beijing Zhong An Zhi Huan Certification Center Co., Ltd. to conform to the standard:

ISO 28000:2022

Security and resilience — Security management systems — Requirements

The scope of certification is as follows:

SUPPLY CHAIN SECURITY MANAGEMENT OF RESEARCH AND DEVELOPMENT, SALES AND AFTER-SALES SERVICE OF RECORDING AND BROADCASTING SYSTEM SOFTWARE, EDUCATION INFORMATION MANAGEMENT SOFTWARE AND PLATFORM, INTELLIGENT TEACHING INTERACTIVE MANAGEMENT SOFTWARE BEHAVIOR ANALYSIS SYSTEM SOFTWARE; R & D, SALES AND AFTER-SALES SERVICE OF RECORDING AND BROADCASTING EQUIPMENT, VIRTUAL BROADCASTING EQUIPMENT, INTELLIGENT BLACKBOARD (DISPLAY), LIQUID CRYSTAL DISPLAY UNIT (DISPLAY), INTERACTIVE ELECTRONIC WHITEBOARD; COMPUTER INFORMATION SYSTEM INTEGRATION SERVICE ACTIVITIES

Add: Intersection of Fengming Avenue and Hanjiang Road, Jiangnan industrial concentration area, Chizhou, Anhui.

Registration No.: 24028SS10026R0M

Period of Validity: Sep.04.2024 to Sep.03.2027

Change date: Sep.04.2024

Since the next year of certificate issuance, the validity of this certificate will be maintained by periodical annual surveillance of ZAZH.

Issued by:



Certificate Status



Contact Info

Beijing Zhong An Zhi Huan Certification Center Co., Ltd.
(Former 8-1 Certification Center of Quality System)

202, 2/F, No. 58, South of East 3rd Ring Road,
Chaoyang District, Beijing 100022

The website of certificate inquiry:
<https://www.cnca.gov.cn>
<http://www.zazh.com/>

Shenzhen GUOREN Certification Technology Service Co., Ltd.



Declaration of Conformity

Certification number: GRCTC250802027.1

In accordance with the following Applicable Directives:

**2014/53/EU
Radio Equipment**

Applicant: **Anhui Wenxiang Information Technology Co.,Ltd.**

Address: Wenxiang Technology Park, South West Fengming Avenue, Wanjiang Jiangnan Emerging Industry Concentration Zone, Chizhou, Anhui, China

Manufacturer: **Anhui Wenxiang Information Technology Co.,Ltd.**

Address: Wenxiang Technology Park, South West Fengming Avenue, Wanjiang Jiangnan Emerging Industry Concentration Zone, Chizhou, Anhui, China

Product: **Interactive Smart Panel**

Model: **WX-WB08627H**

List Models: **WX-WB07527H, WX-WB06527H, WX-WP08627H, WX-WP07527H, WX-***** (X is a non-variable, * can be 0-9 ,A-Z, a-z, "-" or blank, the model difference identify the different market, will not impact the model difference)**

Laboratory: **Shenzhen GUOREN Certification Technology Service Co., Ltd.**
101#, Building K & Building T, The Second Industrial Zone, Jiazitang Community, Fenghuang Street, Guangming District, Shenzhen, China
Tel: 0755-23408306 Fax: 0755-23408309
<http://www.grcert.com> E-mail: grct_sz@grcert.com

The certification is only valid for the equipment and configuration described, in conjunction with the test data detailed above. The CE mark as shown beside can be used, under the responsibility of the manufacturer, after completion of an EC Directive of Conformity and compliance with all relevant EC Directive.



Approved by:

Sam Wong

Department Manager

Date : Dec. 01, 2025





Shenzhen GUOREN Certification Technology Service Co., Ltd.

Declaration of Conformity

Certification number: GRCTC250802027.1

Attachment

The test sample of product has been passed, the test according to requirements of the following standards:

Standard(s):		Test report(s) No.:
EMC	ETSI EN 301 489-1 V2.2.3 (2019-11) ETSI EN 301 489-17 V3.3.1 (2024-09) EN 55032:2015+AC:2016+A1:2020+A11:2020 EN 55035:2017+A11:2020 EN IEC 61000-3-2:2019+A1:2021 EN 61000-3-3:2013+A1:2019+A2:2021+AC:2022	GRCTR250802027.1-01
Radio	ETSI EN 300 328 V2.2.2 (2019-07) ETSI EN 301 893 V2.2.1 (2024-11)	GRCTR250802027-02 GRCTR250802027-03 GRCTR250802027.1-04 GRCTR250802027.1-05
Health	EN IEC 62311:2020	GRCTR250802027.1-06
Safety	EN IEC 62368-1:2020+A11:2020	GRCTR250802027-07



Ref. Certif. No.

US-BACL-00998

IEC SYSTEM FOR MUTUAL RECOGNITION OF TEST CERTIFICATES FOR ELECTRICAL EQUIPMENT
(IECEE) CB SCHEME

CB TEST CERTIFICATE

Product

Interactive Smart Panel

Name and address of the applicant

Anhui Wenxiang Information Technology Co.,Ltd.
Wenxiang Technology Park, South West Fengming
Avenue, Wanjiang Jiangnan Emerging Industry
Concentration Zone, Chizhou, Anhui, China

Name and address of the manufacturer

Same as above

Name and address of the factory

Same as above

Note: When more than one factory, please report on page 2

☐ Additional Information on page 2

Ratings and principal characteristics

Interactive Board Input: 100-240V~ 50/60Hz 4.9A
Remote controller input: Supplied by 2xAAA 1.5V
batteries (AAA battery not include)

Trademark / Brand (if any)

WEONEX

Customer's Testing Facility (CTF) Stage used

Model / Type Ref.

WX-WB08627H, WX-WB98027H, WX-WB07527H,
WX-WB06527H, WX-WB05527H, WX-*****
(* can be 0-9,a-z, A-Z, -, /, or blank)

Additional information (if necessary may also be
reported on page 2)

☐ Additional Information on page 2

A sample of the product was tested and found
to be in conformity with

IEC 62368-1:2023
See Test Report for Information about National
Differences

As shown in the Test Report Ref. No. which
forms part of this Certificate

C2604031

This CB Test Certificate is issued by the National Certification Body



Bay Area Compliance Laboratories, Corp
1274 Anvilwood Avenue
Sunnyvale, California, 94089, USA

Date: 2026-07-29

Signature:

Robin He
Robin He

Anhui Wenxiang Information Technology Co.,Ltd.
Wenxiang Technology Park,
South West Fengming Avenue, Wanjiang
Jiangnan Emerging Industry Concentration Zone,
Chizhou, Anhui, China

Martin Glagla
Email: mglagla@us.tuv.com

December 26, 2024

Attn: Zhang Ling

Confirmation of ENERGY STAR® certification

Type of Equipment: Signage Display (Interactive Smart Panel, Touch Display, Interactive Touch Screen)
Model Name/Number: WX-WB06527H, W*****65*****, W*****065*****(* can be 0-9, a-z, A-Z, -, / or blank)
)Product Specification: ENERGY STAR Program Requirements for Displays,
Eligibility Criteria Version 8.0
TUV File Number: CN241CU4 001

Dear Zhang Ling:

This is notification that TUV Rheinland has certified the performance of the
aforementioned product according to the ENERGY STAR® Program Requirements and
will report all required information for the certified product to the U.S. Environmental
Protection Agency (EPA).

The certified product meets ENERGY STAR® eligibility criteria and will be listed on the
ENERGY STAR Qualified Product website if the model is intended for commerce in the
U.S. and/or Canada. You may begin labeling the certified product in accordance to your
ENERGY STAR® Partnership Agreement and Commitments.

Please review the above for accuracy and address desired changes to the below
mentioned contact.

If this product is listed on the ENERGY STAR Qualified Product website it is eligible for
re-testing based on the ENERGY STAR randomly selected 'Verification Testing'
program. In the event your product is randomly selected a separate notification will be
sent out requesting product availability information. This information will be used for
quoting the required 'Verification Testing'. Failure to reply to the product availability
request within 10 business days will result in further action. This may include forfeiture to
use the ENERGY STAR mark and termination of your partner agreement with EPA.

TUV Rheinland offers a broad portfolio of service providing global energy efficiency
testing solutions, including EPA (ENERGY STAR®), Natural Resources Canada
(NRCan), Energy Related Products (ErP) Directive, Europe EcoLabel, and Germany's
Blue Angel Quality Seal as well as Green Services.

If we can be of any further assistance, please do not hesitate to call upon us.

Sincerely,
TUV Rheinland of North America, Inc.

Martin Glagla
Certifier



TUV Rheinland
of North America, Inc.

1279 Quarry Lane, Suite A
Pleasanton, CA 94566

Tel 925-249-9123
Fax 925-249-9124
Toll Free TUV-RHEINLAND
Mail info@tuv.com
Web www.tuv.com

Member of
TÜV Rheinland Group

Report No.: **168470700a 001**

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Client: **ANHUI WENXIANG INFORMATION TECHNOLOGY LIMITED
COMPANY**

Contact Information: Wenxiang Technology Park, South West Fengming Avenue, Wanjiang
Jiangnan Emerging Industry Concentration Zone, Chizhou, Anhui
P.R.China

Test item(s): 379 materials

Identification/ Interactive Smart Panel

Model No(s): WX-WB08627H, WX-WB07527H, WX-WB06527H, WX-W*****(* can
be 0-9,a-z, A-Z, or blank for customer's needs)

Sample obtaining method: Sending by customer

Condition at delivery: Test item complete and undamaged.

Sample Receiving date: 2024-02-18, 2024-03-27, 2024-04-19

Testing Period: 2024-02-21 to 2024-04-24

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

PASS

Other information:

Country of Origin: China
Sales Destination: Global

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



2024-05-24

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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Material List:

Item: Interactive Smart Panel

WX-WB08622H, WX-WB07522H, WX-WB06522H, WX-W*****(* can be 0-9,a-z, A-Z, or blank for customer's needs)

Material No.	Material	Color	Location
M001	Soft plastic	Black	Refer to photo
M002	Soft plastic	Black	Refer to photo
M003	Plastic	Translucent white	Refer to photo
M004	Metal	Golden	Refer to photo
M005	Solder	Silvery	Refer to photo
M006	Plastic	Dark grey	Refer to photo
M007	Plastic	Black	Refer to photo
M008	Metal	Silvery	Refer to photo
M009	Metal + plating	Silvery/ blue	Refer to photo
M010	Textile	White	Refer to photo
M011	Soft plastic	Yellow	Refer to photo
M012	Soft plastic	Orange	Refer to photo
M013	Soft plastic	Red	Refer to photo
M014	Soft plastic	White	Refer to photo
M015	Soft plastic	Purple/ white	Refer to photo
M016	Soft plastic	Blue/ white	Refer to photo
M017	Soft plastic	Green/ white	Refer to photo
M018	Soft plastic	Pink/ white	Refer to photo
M019	Soft plastic	Brown/ white	Refer to photo
M020	Soft plastic	White	Refer to photo
M021	Soft plastic	Transparent	Refer to photo
M022	Soft plastic	Black	Refer to photo
M023	Soft plastic	Black	Refer to photo
M024	Plastic	Black	Refer to photo
M025	Magnet	Matt black	Refer to photo
M026	Soft plastic	Black	Refer to photo
M027	Metal	Silvery	Refer to photo
M028	Plastic	Dark grey	Refer to photo

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M029	Plastic	Blue	Refer to photo
M030	Solder	Silvery	Refer to photo
M031	Soft plastic	Black	Refer to photo
M032	Soft plastic	Red	Refer to photo
M033	Soft plastic	White	Refer to photo
M034	Soft plastic	Green	Refer to photo
M035	Soft plastic	Purple/ white	Refer to photo
M036	Soft plastic	Orange/ white	Refer to photo
M037	Soft plastic	Blue/ white	Refer to photo
M038	Soft plastic	Yellow/ white	Refer to photo
M039	Plastic	Transparent	Refer to photo
M040	Soft plastic	Black	Refer to photo
M041	Soft plastic	Black	Refer to photo
M042	Soft plastic	Black	Refer to photo
M043	Plastic	Black	Refer to photo
M044	Metal	Silvery	Refer to photo
M045	Metal	Silvery	Refer to photo
M046	Soft plastic	Green	Refer to photo
M047	Soft plastic	Black	Refer to photo
M048	Soft plastic	White	Refer to photo
M049	Metal	Coppery	Refer to photo
M050	Plastic	White	Refer to photo
M051	Metal	Coppery	Refer to photo
M052*	Soft plastic	Red/ white	Refer to photo
M053*	Soft plastic	Black/ white	Refer to photo
M054*	Plastic	Black	Refer to photo
M055*	Plastic	Transparent	Refer to photo
M056*	PCB board	Brown/ green	Refer to photo
M060*	Plastic + adhesive	Transparent	Refer to photo
M062	Plastic + printing	Black/ white	Refer to photo
M063	Plastic	Black	Refer to photo
M064	Metal	Silvery	Refer to photo

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M065	Magnet	Silvery	Refer to photo
M066	Plastic	Black	Refer to photo
M067	Plastic	Black	Refer to photo
M068	Plastic	Black	Refer to photo
M069	PCB board	Blue	Refer to photo
M070	Metal	Golden	Refer to photo
M071	Solder	Silvery	Refer to photo
M072	Soft plastic	Transparent brown	Refer to photo
M073	Soft plastic	Transparent	Refer to photo
M074	Metal	Silvery	Refer to photo
M075	Metal	Silvery	Refer to photo
M076	Soft plastic	Blue	Refer to photo
M077	Plastic	White	Refer to photo
M078	Metal	Golden	Refer to photo
M079	Metal + plating	Silvery/ grey	Refer to photo
M080	Glass	Transparent	Refer to photo
M081	Coating	Black	Refer to photo
M082	Foam + adhesive	Black	Refer to photo
M083	Glue	Yellow	Refer to photo
M084	Plastic	Transparent black	Refer to photo
M085	Plastic	Transparent purple	Refer to photo
M086	Foam + adhesive	Black	Refer to photo
M087	Plastic + adhesive	Transparent black	Refer to photo
M088	Glue	Blue	Refer to photo
M089	Glass	Transparent grey	Refer to photo
M090	Electronic components	Matt black	Refer to photo
M091	PCB board	Green	Refer to photo
M092	Textile + adhesive	Silvery grey	Refer to photo
M093	Foam + adhesive	Black	Refer to photo
M094	PCB board	White/ green	Refer to photo
M095	Plastic + printing + adhesive	White/ orange/ black	Refer to photo
M096	Plastic	White	Refer to photo

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M097	Plastic	Black	Refer to photo
M098	Plastic	Transparent blue	Refer to photo
M099	PCB board	Green	Refer to photo
M100	Electronic components	Transparent/ white	Refer to photo
M101	Electronic components	Black/ silvery	Refer to photo
M102	Electronic components	Black/ silvery	Refer to photo
M103	Plastic	Black	Refer to photo
M104	Electronic components	Black/ white	Refer to photo
M105	Foam + adhesive	Grey	Refer to photo
M106	Soft plastic	Black	Refer to photo
M107	Plastic	Black	Refer to photo
M108	Plastic	Translucent white	Refer to photo
M109	Plastic	Silvery	Refer to photo
M110	Plastic	White	Refer to photo
M111	Plastic	White	Refer to photo
M112	Plastic	Grey	Refer to photo
M113	Plastic	Transparent	Refer to photo
M114	Electronic components	Yellow/ white	Refer to photo
M115	Plastic	Beige	Refer to photo
M116	PCB board	White/ coppery	Refer to photo
M117	Plastic + adhesive	Translucent white	Refer to photo
M118	Metal	Silvery	Refer to photo
M119	Plastic + adhesive	Transparent yellow	Refer to photo
M120	Soft plastic	White	Refer to photo
M121	Soft plastic	Red	Refer to photo
M122	Soft plastic	Black	Refer to photo
M123	Coating	Black	Refer to photo
M124	Metal	Silvery	Refer to photo
M125	Plastic	Bright black	Refer to photo
M126	Textile + adhesive	Black	Refer to photo
M127	Foam + adhesive	Black	Refer to photo
M128	Soft plastic	White/ blue	Refer to photo

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M129	Plastic	White	Refer to photo
M130	Soft plastic	Black	Refer to photo
M131	Soft plastic	Red/ grey	Refer to photo
M132	Soft plastic	Grey	Refer to photo
M133	Soft plastic	Black/ white	Refer to photo
M134	Soft plastic	Red	Refer to photo
M135	Soft plastic	Black	Refer to photo
M136	Soft plastic	Green	Refer to photo
M137	Soft plastic	White	Refer to photo
M138	Soft plastic	Black	Refer to photo
M139	Soft plastic	Black	Refer to photo
M140	Soft plastic	Black	Refer to photo
M141	Soft plastic	Black	Refer to photo
M142	Solder	Silvery	Refer to photo
M143	Soft plastic	Green	Refer to photo
M144	Soft plastic	Black	Refer to photo
M145	Soft plastic	Red	Refer to photo
M146	Soft plastic	White	Refer to photo
M147	Metal	Golden	Refer to photo
M148	Metal	Golden	Refer to photo
M149	Metal	Golden	Refer to photo
M150	Soft plastic	Black	Refer to photo
M151	Soft plastic	Black/ white	Refer to photo
M152-2	Solder	Silvery	Refer to photo(retest M152)
M152-3	Composite materials	Yellow	Refer to photo(retest M152)
M153	Metal	Golden	Refer to photo
M154	Soft plastic	Yellow/ green	Refer to photo
M155	Soft plastic	Black	Refer to photo
M156	Soft plastic	Black	Refer to photo
M157-1	Soft plastic	Blue	Refer to photo(retest M157)
M158-1	Soft plastic	Brown	Refer to photo(retest M158)
M159	Soft plastic	Black	Refer to photo

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M160	Plastic + printing + adhesive	White/ black	Refer to photo
M161	Soft plastic	Brown	Refer to photo
M162	Soft plastic	Blue	Refer to photo
M163	Soft plastic	White	Refer to photo
M164	Soft plastic	Transparent	Refer to photo
M165	Metal	Silvery	Refer to photo
M166	Plastic	Black	Refer to photo
M167	Metal	Silvery	Refer to photo
M168	Plastic + printing	Transparent red/ white	Refer to photo
M169	Metal	Silvery	Refer to photo
M170	Plastic	Black	Refer to photo
M171	Glass	Transparent	Refer to photo
M172	Metal	Silvery/ coppery	Refer to photo
M173	Glue	Black	Refer to photo
M174	Plastic	Black	Refer to photo
M175	Foam + adhesive	Black	Refer to photo
M176	Soft plastic	Black	Refer to photo
M177	Plastic	Black	Refer to photo
M178	Soft plastic	Black/ white	Refer to photo
M179	Soft plastic	White	Refer to photo
M180	Soft plastic	Red	Refer to photo
M181	Soft plastic	Black/ red	Refer to photo
M182	Soft plastic	Black	Refer to photo
M184	Soft plastic	Black	Refer to photo
M185	Paper	Black	Refer to photo
M186	Textile	Black	Refer to photo
M187	Magnet	Matt black	Refer to photo
M188	Metal	Silvery	Refer to photo
M189	Textile	Brown	Refer to photo
M190	Plastic	Transparent brown	Refer to photo
M191	Metal	Coppery	Refer to photo
M192	Metal	Dull silvery	Refer to photo

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M193	Plastic	White	Refer to photo
M194	Solder	Silvery	Refer to photo
M195	Soft plastic	Black	Refer to photo
M196	Glue	Translucent red	Refer to photo
M197	Metal	Silvery	Refer to photo
M198	Plastic	Black	Refer to photo
M199	Plastic	Black	Refer to photo
M200	Foam + adhesive	Black	Refer to photo
M201	Paper + printing + adhesive	White/ black	Refer to photo
M202	Soft plastic	Red	Refer to photo
M203	Soft plastic	Black/ red	Refer to photo
M204	Soft plastic	Black	Refer to photo
M205	Wood	Black/ brown	Refer to photo
M206	Glue	Yellow	Refer to photo
M207	Metal	Silvery	Refer to photo
M208	Solder	Silvery	Refer to photo
M209	Foam + adhesive	Black	Refer to photo
M210	Magnet	Silvery	Refer to photo
M211	Electronic components	Black/ silvery	Refer to photo
M212	Electronic components	Black/ silvery	Refer to photo
M213	PCB board	Green/ brown	Refer to photo
M214	Solder	Silvery	Refer to photo
M215	Electronic components	Black/ white/ silvery	Refer to photo
M216	Electronic components	Black/ silvery	Refer to photo
M217	Electronic components	Black/ silvery	Refer to photo
M218	Metal + plating	Silvery/ black	Refer to photo
M219	Electronic components	Black/ silvery	Refer to photo
M220	Electronic components	Blue	Refer to photo
M221	Plastic	Grey	Refer to photo
M222	Glue	Grey	Refer to photo
M223	Glue	Black	Refer to photo
M224	Electronic components	Green	Refer to photo

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M225	Plastic	Black	Refer to photo
M226	Metal	Golden	Refer to photo
M227	Metal	Silvery/ coppery	Refer to photo
M228	Metal	Coppery	Refer to photo
M229	Metal	Silvery	Refer to photo
M230	Magnet	Matt black	Refer to photo
M231	Electronic components	Red	Refer to photo
M232	Metal	Coppery	Refer to photo
M233	Plastic	Brown	Refer to photo
M234	Magnet	Green	Refer to photo
M235	Plastic	Dull white	Refer to photo
M236	Metal	Silvery	Refer to photo
M237	Metal	Silvery	Refer to photo
M238	Ceramic	White	Refer to photo
M239	Solder	Silvery	Refer to photo
M240	Magnet	Matt black	Refer to photo
M241	Plastic + adhesive	Black	Refer to photo
M242	Plastic + printing + adhesive	Dull white/ black	Refer to photo
M243	Plastic	Orange/ transparent	Refer to photo
M244	Metal	Coppery	Refer to photo
M245	Plastic + adhesive	Beige	Refer to photo
M246	Electronic components	Black/ silvery	Refer to photo
M247	Electronic components	Pink	Refer to photo
M248	Plastic	Black	Refer to photo
M249	Plastic	White	Refer to photo
M250	Plastic	Beige	Refer to photo
M251	Plastic + printing	Blue/ white	Refer to photo
M252	Plastic	Translucent	Refer to photo
M253	Plastic + adhesive	Transparent yellow	Refer to photo
M254	Plastic	Black	Refer to photo
M255	Electronic components	Black/ silvery	Refer to photo
M256	Plastic	White	Refer to photo

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M257	Metal + plating	Silvery/ black	Refer to photo
M258	Electronic components	Black/ silvery	Refer to photo
M259	Plastic + printing	Black/ white	Refer to photo
M260	Metal	Silvery	Refer to photo
M261	Soft plastic	Black	Refer to photo
M262	Electronic components	Black/ silvery	Refer to photo
M263	Electronic components	Black/ silvery	Refer to photo
M264	Electronic components	Black/ silvery	Refer to photo
M265	PCB board	Green	Refer to photo
M266	Solder	Silvery	Refer to photo
M267	Electronic components	White/ silvery	Refer to photo
M268	Electronic components	Brown/ silvery	Refer to photo
M269	Plastic + printing + adhesive	White/ black	Refer to photo
M270	Electronic components	Black/ white/ silvery	Refer to photo
M271	Electronic components	Black/ silvery	Refer to photo
M272	Electronic components	Transparent/ coppery/ black	Refer to photo
M273	Electronic components	Black/ silvery	Refer to photo
M274	Magnet	Grey	Refer to photo
M275	Ceramic	Light grey	Refer to photo
M276	Plastic + adhesive	White	Refer to photo
M277	Plastic + printing	Blue/ white	Refer to photo
M278	Metal	Dull silvery	Refer to photo
M279	Electronic components	Black/ silvery	Refer to photo
M280	Electronic components	Black/ silvery	Refer to photo
M281	PCB board	Dull green	Refer to photo
M282	Electronic components	Silvery grey	Refer to photo
M283	Electronic components	Grey/ black/ silvery	Refer to photo
M284	Metal	Silvery	Refer to photo
M285	Plastic	Black	Refer to photo
M286	Plastic	Light beige	Refer to photo
M287	Plastic	Dark beige	Refer to photo
M288	Plastic	Black	Refer to photo

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M289	Metal	Silvery	Refer to photo
M290	PCB board	Green	Refer to photo
M291	Electronic components	Black/ silvery	Refer to photo
M292	Metal	Silvery	Refer to photo
M293	Electronic components	Black/ silvery	Refer to photo
M294	Electronic components	Black/ silvery	Refer to photo
M295	Plastic	Black	Refer to photo
M296	Metal	Silvery	Refer to photo
M297	Plastic	Black	Refer to photo
M298	Plastic	Black	Refer to photo
M299	Plastic	Black	Refer to photo
M300	Metal	Silvery	Refer to photo
M301	Metal	Silvery	Refer to photo
M302	Metal	Golden	Refer to photo
M303	Plastic	Dark grey	Refer to photo
M304	Plastic	Dark grey	Refer to photo
M305	Plastic	Black	Refer to photo
M306	Metal	Silvery	Refer to photo
M307	Plastic	Blue	Refer to photo
M308	Plastic	Dark blue	Refer to photo
M309	Metal	Silvery	Refer to photo
M310	Plastic	Black	Refer to photo
M311	Plastic	Dark grey	Refer to photo
M312	PCB board	Green	Refer to photo
M313	Solder	Silvery	Refer to photo
M314	PCB board	Green	Refer to photo
M315	Paper + printing + adhesive	White/ black	Refer to photo
M316	Plastic + adhesive	Black	Refer to photo
M317	PCB board	White/ blue/ coppery/ black	Refer to photo
M318	Foam + adhesive	Black	Refer to photo
M319	Metal	Silvery	Refer to photo
M320	Plastic	Dark grey	Refer to photo

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M321	Plastic	Black	Refer to photo
M322	Metal	Silvery/ golden	Refer to photo
M323	Metal + plating	Silvery/ black	Refer to photo
M324	Soft plastic	Black	Refer to photo
M325	Plastic	Black	Refer to photo
M326	PCB board	Green	Refer to photo
M327	Solder	Silvery	Refer to photo
M328	PCB board	Green	Refer to photo
M329	Electronic components	Transparent/ silvery	Refer to photo
M330	Plastic	Bright black	Refer to photo
M331	Plastic	Black	Refer to photo
M332	Plastic	Brown	Refer to photo
M333	Metal	Silvery	Refer to photo
M334	PCB board	Green	Refer to photo
M335	Foam + adhesive	Black	Refer to photo
M336	PCB board	Brown	Refer to photo
M337	Coating	Black	Refer to photo
M338	Plastic	Beige	Refer to photo
M339	Plastic	White	Refer to photo
M340	Foam + adhesive	White	Refer to photo
M341	Plastic	White	Refer to photo
M342	Plastic	White	Refer to photo
M343	Metal + plating	Silvery/ black	Refer to photo
M344	Metal + plating	Silvery/ black/ grey	Refer to photo
M345	Metal + plating	Silvery/ black	Refer to photo
M346	Metal + plating	Silvery/ gunmetal	Refer to photo
M347	Coating	Black/ white	Refer to photo
M348	Plastic	Transparent	Refer to photo
M349	Soft plastic	Black	Refer to photo
M350	Metal + plating	Silvery/ gunmetal	Refer to photo
M351	Metal	Dull silvery	Refer to photo
M352	Coating	Black	Refer to photo

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M353	Metal	Silvery	Refer to photo
M354	Plastic	Black	Refer to photo
M355	Metal	Silvery	Refer to photo
M356	Coating	Black	Refer to photo
M357	Metal	Silvery	Refer to photo
M358-2	Metal + plating	Silvery/ black	Refer to photo(retest M358)
M359	Metal + plating	Silvery/ black	Refer to photo
M360	Metal	Silvery	Refer to photo
M361	Coating	Black	Refer to photo
M362	Metal	Silvery	Refer to photo
M363	Plastic	Black	Refer to photo
M364	Soft plastic	Black	Refer to photo
M365	Metal	Golden	Refer to photo
M366	Metal	Silvery	Refer to photo
M367	Metal	Silvery	Refer to photo
M368	Metal	Silvery	Refer to photo
M369	Plastic	White	Refer to photo
M372	Plastic	Black	Refer to photo
M373	Metal	Silvery	Refer to photo
M374	Metal + plating	Silvery/ black	Refer to photo
M375-1	Metal + plating	Silvery/ black	Refer to photo(retest M375)
M376	Plastic	Cream	Refer to photo
M377	Metal + plating	Silvery/ black	Refer to photo
M378	Metal + plating	Silvery/ black	Refer to photo
M379	Metal + plating	Silvery/ black	Refer to photo
M380	Metal + plating	Silvery/ black	Refer to photo
M381	Metal + plating	Silvery/ black	Refer to photo
M382	Plastic + printing	Black/ grey	Refer to photo
M383	Plastic + printing	Black/ white/ red	Refer to photo
M384	Soft plastic	Translucent	Refer to photo
M385	Electronic components	Black/ silvery	Refer to photo
M386	Solder	Silvery	Refer to photo

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M387	Plastic	Transparent	Refer to photo
M388	Metal	Silvery	Refer to photo
M389	Plastic + adhesive	Transparent	Refer to photo
M390	Metal	Silvery	Refer to photo
M391	PCB board	Brown/ green	Refer to photo

The materials marked (*) need not be shown in this report according to client's requirement. However, the samples are composite sample containing the above marked materials, so they are still listed here.

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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	BL
M003	BL	BL	BL	BL	BL
M004	BL	BL	BL	BL	n.a.
M005	BL	BL	BL	BL	n.a.
M006	BL	BL	BL	BL	BL
M007	BL	BL	BL	BL	BL
M008	BL	BL	BL	BL	n.a.
M009	BL	BL	BL	BL	n.a.
M010	BL	BL	BL	BL	BL
M011	BL	BL	BL	BL	BL
M012	BL	BL	BL	BL	BL
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	BL
M020	BL	BL	BL	BL	BL
M021	BL	BL	BL	BL	BL
M022	BL	BL	BL	BL	BL
M023	BL	BL	BL	BL	BL
M024	BL	BL	BL	BL	BL
M025	BL	BL	BL	BL	n.a.
M026	BL	BL	BL	BL	BL
M027	BL	BL	BL	BL	n.a.
M028	BL	BL	BL	BL	BL
M029	BL	BL	BL	BL	d.(*1)
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	BL	BL	BL	BL
M035	BL	BL	BL	BL	BL
M036	BL	BL	BL	BL	BL
M037	BL	BL	BL	BL	BL

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M038	BL	BL	BL	BL	BL
M039	BL	BL	BL	BL	BL
M040	BL	BL	BL	BL	BL
M041	BL	BL	BL	BL	BL
M042	BL	BL	BL	BL	BL
M043	BL	BL	BL	BL	d.(*1)
M044	BL	BL	BL	BL	n.a.
M045	BL	BL	BL	BL	n.a.
M046	BL	BL	BL	BL	BL
M047	BL	BL	BL	BL	BL
M048	BL	BL	BL	BL	BL
M049	BL	BL	BL	BL	n.a.
M050	BL	BL	BL	BL	d.(*1)
M051	BL	BL	BL	BL	n.a.
M062	BL	BL	BL	BL	BL
M063	BL	BL	BL	BL	BL
M064	BL	BL	BL	BL	n.a.
M065	BL	d.(*1)	BL	BL	n.a.
M066	BL	BL	BL	BL	BL
M067	BL	BL	BL	BL	BL
M068	BL	BL	BL	BL	BL
M069	BL	BL	BL	BL	BL
M070	BL	BL	BL	BL	n.a.
M071	BL	BL	BL	BL	n.a.
M072	BL	BL	BL	BL	BL
M073	BL	BL	BL	BL	BL
M074	BL	BL	d.(*1)	BL	n.a.
M075	BL	BL	BL	BL	n.a.
M076	BL	BL	BL	BL	BL
M077	BL	BL	BL	BL	BL
M078	BL	BL	d.(*1)	BL	n.a.
M079	BL	BL	BL	BL	n.a.
M080	BL	BL	BL	BL	n.a.
M081	BL	BL	BL	BL	BL
M082	BL	BL	BL	BL	BL
M083	BL	BL	BL	BL	BL
M084	BL	BL	BL	BL	BL
M085	BL	BL	BL	BL	BL
M086	BL	BL	BL	BL	BL
M087	BL	BL	BL	BL	BL
M088	BL	BL	BL	BL	BL
M089	BL	BL	BL	BL	n.a.
M090	BL	BL	BL	BL	BL

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M091	BL	BL	BL	BL	BL
M092	BL	BL	BL	BL	BL
M093	BL	BL	BL	BL	BL
M094	BL	BL	BL	BL	BL
M095	BL	BL	BL	BL	BL
M096	BL	BL	BL	BL	BL
M097	BL	BL	BL	BL	BL
M098	BL	BL	BL	BL	BL
M099	BL	BL	BL	BL	d.(*1)
M100	BL	BL	BL	BL	BL
M101	BL	BL	BL	BL	BL
M102	BL	BL	BL	BL	BL
M103	BL	BL	BL	BL	d.(*1)
M104	BL	BL	BL	BL	BL
M105	BL	BL	BL	BL	BL
M106	BL	BL	BL	BL	BL
M107	BL	BL	BL	BL	BL
M108	BL	BL	BL	BL	BL
M109	BL	BL	BL	BL	BL
M110	BL	BL	BL	BL	BL
M111	BL	BL	BL	BL	BL
M112	BL	BL	BL	BL	d.(*1)
M113	BL	BL	BL	BL	BL
M114	BL	BL	BL	BL	BL
M115	BL	BL	BL	BL	BL
M116	BL	BL	BL	BL	BL
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	BL
M122	BL	BL	BL	BL	BL
M123	BL	BL	BL	BL	BL
M124	BL	BL	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	BL	BL	BL	BL	BL
M133	BL	BL	BL	BL	BL

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M134	BL	BL	BL	BL	BL
M135	BL	BL	BL	BL	BL
M136	BL	BL	BL	BL	BL
M137	BL	BL	BL	BL	BL
M138	BL	BL	BL	BL	BL
M139	BL	BL	BL	BL	BL
M140	BL	BL	BL	BL	BL
M141	BL	BL	BL	BL	BL
M142	BL	BL	BL	BL	n.a.
M143	BL	BL	BL	BL	BL
M144	BL	BL	BL	BL	BL
M145	BL	BL	BL	BL	BL
M146	BL	BL	BL	BL	BL
M147	BL	BL	d.(*1)	BL	n.a.
M148	BL	BL	BL	BL	n.a.
M149	BL	BL	d.(*1)	BL	n.a.
M150	BL	BL	BL	BL	BL
M151	BL	BL	BL	BL	BL
M152-2	BL	BL	BL	BL	n.a.
M152-3	BL	BL	BL	BL	d.(*1)
M153	BL	BL	d.(*1)	BL	n.a.
M154	BL	BL	BL	BL	BL
M155	BL	BL	BL	BL	BL
M156	BL	BL	BL	BL	BL
M157-1	BL	BL	BL	BL	BL
M158-1	BL	BL	BL	BL	BL
M159	BL	BL	BL	BL	BL
M160	BL	BL	BL	BL	BL
M161	BL	BL	BL	BL	BL
M162	BL	BL	BL	BL	BL
M163	BL	BL	BL	BL	BL
M164	BL	BL	BL	BL	BL
M165	BL	BL	BL	BL	n.a.
M166	BL	BL	BL	BL	BL
M167	BL	BL	BL	BL	n.a.
M168	BL	BL	BL	BL	BL
M169	BL	BL	BL	BL	n.a.
M170	BL	BL	BL	BL	BL
M171	BL	BL	BL	BL	n.a.
M172	BL	BL	BL	BL	n.a.
M173	BL	BL	BL	BL	BL
M174	BL	BL	BL	BL	d.(*1)
M175	BL	BL	BL	BL	BL

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M176	BL	BL	BL	BL	BL
M177	BL	BL	BL	BL	BL
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	BL
M184	BL	BL	BL	BL	BL
M185	BL	BL	BL	BL	BL
M186	BL	BL	BL	BL	BL
M187	BL	BL	BL	BL	n.a.
M188	BL	d.(*1)	BL	BL	n.a.
M189	BL	BL	BL	BL	BL
M190	BL	BL	BL	BL	BL
M191	BL	BL	BL	BL	n.a.
M192	BL	BL	BL	BL	n.a.
M193	BL	BL	BL	BL	BL
M194	BL	BL	BL	BL	n.a.
M195	BL	BL	BL	BL	BL
M196	BL	BL	BL	BL	BL
M197	BL	BL	BL	BL	n.a.
M198	BL	BL	BL	BL	BL
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	BL
M204	BL	BL	BL	BL	BL
M205	BL	BL	BL	BL	BL
M206	BL	BL	BL	BL	BL
M207	BL	d.(*1)	BL	BL	n.a.
M208	BL	BL	BL	BL	n.a.
M209	BL	BL	BL	BL	BL
M210	BL	BL	BL	BL	n.a.
M211	BL	BL	BL	BL	BL
M212	BL	BL	BL	BL	d.(*1)
M213	BL	BL	BL	BL	d.(*1)
M214	BL	BL	BL	BL	n.a.
M215	BL	d.(*1)	d.(*1)	BL	BL
M216	d.(*1)	BL	d.(*1)	BL	BL
M217	BL	BL	d.(*1)	BL	BL
M218	BL	BL	BL	BL	n.a.
M219	BL	BL	d.(*1)	BL	d.(*1)

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M220	BL	BL	BL	BL	BL
M221	BL	BL	BL	BL	d.(*1)
M222	BL	BL	BL	BL	BL
M223	BL	BL	BL	BL	BL
M224	BL	d.(*1)	BL	BL	BL
M225	BL	BL	BL	BL	d.(*1)
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	n.a.
M230	BL	BL	BL	BL	n.a.
M231	BL	BL	BL	BL	BL
M232	BL	BL	BL	BL	n.a.
M233	BL	BL	BL	BL	d.(*1)
M234	BL	BL	BL	BL	n.a.
M235	BL	BL	BL	BL	d.(*1)
M236	BL	BL	BL	BL	n.a.
M237	BL	BL	d.(*1)	BL	n.a.
M238	BL	BL	BL	BL	BL
M239	BL	BL	BL	BL	n.a.
M240	BL	BL	BL	BL	n.a.
M241	BL	BL	BL	BL	BL
M242	BL	BL	BL	BL	BL
M243	BL	BL	BL	BL	BL
M244	BL	BL	BL	BL	n.a.
M245	BL	BL	BL	BL	BL
M246	BL	BL	d.(*1)	BL	d.(*1)
M247	BL	BL	BL	BL	BL
M248	BL	BL	BL	BL	d.(*1)
M249	BL	BL	BL	BL	BL
M250	BL	BL	BL	BL	d.(*1)
M251	BL	BL	BL	BL	BL
M252	BL	BL	BL	BL	BL
M253	BL	BL	BL	BL	BL
M254	BL	BL	BL	BL	BL
M255	d.(*1)	BL	d.(*1)	BL	BL
M256	BL	BL	BL	BL	d.(*1)
M257	BL	d.(*1)	BL	BL	n.a.
M258	BL	BL	d.(*1)	BL	d.(*1)
M259	BL	BL	BL	BL	BL
M260	BL	BL	BL	BL	n.a.
M261	BL	BL	BL	BL	BL
M262	BL	BL	BL	BL	BL

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M263	BL	BL	d.(*1)	BL	BL
M264	BL	BL	BL	BL	BL
M265	BL	BL	BL	BL	d.(*1)
M266	BL	BL	BL	BL	n.a.
M267	BL	BL	BL	BL	BL
M268	BL	BL	BL	BL	BL
M269	BL	BL	BL	BL	BL
M270	BL	BL	BL	BL	d.(*1)
M271	BL	BL	BL	BL	BL
M272	BL	BL	BL	BL	n.a.
M273	BL	BL	BL	BL	BL
M274	BL	d.(*1)	BL	BL	n.a.
M275	BL	BL	BL	BL	BL
M276	BL	BL	BL	BL	BL
M277	BL	BL	BL	BL	BL
M278	BL	BL	BL	BL	n.a.
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.
M285	BL	BL	BL	BL	BL
M286	BL	BL	BL	BL	d.(*1)
M287	BL	BL	BL	BL	d.(*1)
M288	BL	BL	BL	BL	BL
M289	BL	BL	BL	BL	n.a.
M290	BL	BL	BL	BL	BL
M291	BL	BL	BL	BL	BL
M292	BL	BL	d.(*1)	BL	n.a.
M293	BL	BL	BL	BL	BL
M294	BL	BL	BL	BL	BL
M295	BL	BL	BL	BL	d.(*1)
M296	BL	BL	d.(*1)	BL	n.a.
M297	BL	BL	BL	BL	d.(*1)
M298	BL	BL	BL	BL	d.(*1)
M299	BL	BL	BL	BL	d.(*1)
M300	BL	d.(*1)	BL	BL	n.a.
M301	BL	BL	BL	BL	n.a.
M302	BL	BL	BL	BL	n.a.
M303	BL	BL	BL	BL	BL
M304	BL	BL	BL	BL	BL
M305	BL	BL	BL	BL	d.(*1)

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M306	BL	BL	BL	BL	n.a.
M307	BL	BL	BL	BL	BL
M308	BL	BL	BL	BL	BL
M309	BL	BL	BL	BL	n.a.
M310	BL	BL	BL	BL	d.(*1)
M311	BL	BL	BL	BL	BL
M312	BL	BL	BL	BL	BL
M313	BL	BL	BL	BL	n.a.
M314	BL	BL	BL	BL	BL
M315	BL	BL	BL	BL	BL
M316	BL	BL	BL	BL	BL
M317	BL	BL	BL	BL	d.(*1)
M318	BL	BL	BL	BL	BL
M319	BL	d.(*1)	BL	BL	n.a.
M320	BL	BL	BL	BL	BL
M321	BL	BL	BL	BL	d.(*1)
M322	BL	BL	BL	BL	n.a.
M323	BL	BL	BL	BL	n.a.
M324	BL	BL	BL	BL	BL
M325	BL	BL	BL	BL	BL
M326	BL	BL	BL	BL	d.(*1)
M327	BL	BL	BL	BL	n.a.
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	n.a.
M334	BL	BL	BL	BL	d.(*1)
M335	BL	BL	BL	BL	BL
M336	BL	BL	BL	BL	BL
M337	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	d.(*1)	BL	BL	n.a.
M344	BL	d.(*1)	BL	BL	n.a.
M345	BL	d.(*1)	BL	BL	n.a.
M346	BL	BL	BL	BL	n.a.
M347	BL	BL	BL	BL	BL
M348	BL	BL	BL	BL	BL

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M349	BL	BL	BL	BL	BL
M350	BL	d.(*1)	BL	BL	n.a.
M351	BL	d.(*1)	BL	BL	n.a.
M352	BL	BL	BL	BL	BL
M353	BL	BL	BL	BL	n.a.
M354	BL	BL	BL	BL	d.(*1)
M355	BL	d.(*1)	BL	BL	n.a.
M356	BL	BL	BL	BL	BL
M357	BL	BL	BL	BL	n.a.
M358-2	BL	d.(*1)	BL	BL	n.a.
M359	BL	BL	BL	BL	n.a.
M360	BL	d.(*1)	BL	BL	n.a.
M361	BL	BL	BL	BL	BL
M362	BL	BL	BL	BL	n.a.
M363	BL	BL	BL	BL	BL
M364	BL	BL	BL	BL	BL
M365	BL	d.(*1)	BL	BL	n.a.
M366	BL	BL	BL	BL	n.a.
M367	BL	d.(*1)	BL	BL	n.a.
M368	BL	BL	BL	BL	n.a.
M369	BL	BL	BL	BL	BL
M372	BL	BL	BL	BL	BL
M373	BL	BL	BL	BL	n.a.
M374	BL	d.(*1)	BL	BL	n.a.
M375-1	BL	BL	BL	BL	n.a.
M376	BL	BL	BL	BL	BL
M377	BL	d.(*1)	BL	BL	n.a.
M378	BL	d.(*1)	BL	BL	n.a.
M379	BL	d.(*1)	BL	BL	n.a.
M380	BL	d.(*1)	BL	BL	n.a.
M381	BL	d.(*1)	BL	BL	n.a.
M382	BL	BL	BL	BL	BL
M383	BL	BL	BL	BL	BL
M384	BL	BL	BL	BL	BL
M385	BL	BL	BL	BL	BL
M386	BL	BL	BL	BL	n.a.
M387	BL	BL	BL	BL	d.(*1)
M388	BL	d.(*1)	BL	BL	n.a.
M389	BL	BL	BL	BL	BL
M390	BL	BL	BL	BL	n.a.
M391	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
M029 + M043 + M050	n.a.	n.a.	n.a.	n.a.	< RL	< RL
M054 + M099 + M103	n.a.	n.a.	n.a.	n.a.	< RL	< RL
M074	n.a.	n.a.	3.64(*3)	n.a.	n.a.	n.a.
M078	n.a.	n.a.	3.31(*3)	n.a.	n.a.	n.a.
M112 + M174 + M213	n.a.	n.a.	n.a.	n.a.	< RL	DecaBDE:0.0137
M147	n.a.	n.a.	3.01(*3)	n.a.	n.a.	n.a.
M149	n.a.	n.a.	2.60(*3)	n.a.	n.a.	n.a.
M152-3	n.a.	n.a.	n.a.	n.a.	< RL	< RL
M153	n.a.	n.a.	3.22(*3)	n.a.	n.a.	n.a.
M212 + M219 + M246	n.a.	n.a.	n.a.	n.a.	< RL	< RL
M215	n.a.	n.a.	0.118(*4)	n.a.	n.a.	n.a.
M216	< RL	n.a.	(*5)	n.a.	n.a.	n.a.
M217	n.a.	n.a.	(*5)	n.a.	n.a.	n.a.
M219	n.a.	n.a.	(*4)(*5)	n.a.	n.a.	n.a.
M221 + M225 + M233	n.a.	n.a.	n.a.	n.a.	< RL	< RL
M235 + M248 + M250	n.a.	n.a.	n.a.	n.a.	< RL	< RL
M237	n.a.	n.a.	0.0267	n.a.	n.a.	n.a.
M246	n.a.	n.a.	(*4)(*5)	n.a.	n.a.	n.a.
M255	< RL	n.a.	(*5)	n.a.	n.a.	n.a.

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M256 + M265 + M286	n.a.	n.a.	n.a.	n.a.	< RL	< RL
M258	n.a.	n.a.	(*5)	n.a.	n.a.	n.a.
M258 + M270	n.a.	n.a.	n.a.	n.a.	< RL	< RL
M263	n.a.	n.a.	(*5)	n.a.	n.a.	n.a.
M287 + M295 + M297	n.a.	n.a.	n.a.	n.a.	< RL	< RL
M292	n.a.	n.a.	3.74(*3)	n.a.	n.a.	n.a.
M296	n.a.	n.a.	3.62(*3)	n.a.	n.a.	n.a.
M298 + M299 + M305	n.a.	n.a.	n.a.	n.a.	< RL	< RL
M310 + M317 + M321	n.a.	n.a.	n.a.	n.a.	< RL	< RL
M326 + M334 + M354	n.a.	n.a.	n.a.	n.a.	< RL	< RL
M387	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 $\mu\text{g}/\text{cm}^2$
M065	Negative
M188	Negative
M207	Negative
M257	Negative
M274	Negative
M284	Negative
M300	Negative
M319	Negative
M343	Negative
M344	Negative
M345	Negative
M350	Negative
M351	Negative
M355	Negative
M360	Negative
M365	Negative
M367	Negative
M374	Negative
M377	Negative
M378	Negative
M379	Negative
M380	Negative
M381	Negative

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M388	Negative
M358-2	Negative
Material No.	Chromium VI content for other materials (%) RL: 0.01%
M215	< RL
M224	< 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

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	<0.1µg/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	≥0.1µg/cm ² and ≤0.13 µg/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 µg/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) 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.: M074, M078, M147, M149, M153, M292, M296.
- (*4) 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.: M215, M219, M246.

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- (*5) According to the declaration of client and (EU) 2018/742 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.: M216, M217, M219, M246, M255, M258, M263. However, due to the lack of samples the client submitted, the lead content of solder was not further tested.

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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
T001	M001 + M002 + M022 + M023 + M026	< RL	< RL	< RL	< RL
T002	M003 + M006 + M007 + M024 + M028	< RL	< RL	< RL	< RL
T003	M011 + M012 + M013 + M014 + M015	< RL	< RL	< RL	< RL
T004	M016 + M017 + M018 + M019 + M020	< RL	< RL	< RL	< RL
T005	M021 + M031 + M032 + M033 + M034	< RL	< RL	< RL	< RL
T006	M029 + M039 + M043 + M050 + M054	< RL	< RL	< RL	< RL
T007	M035 + M036 + M037 + M038 + M048	< RL	< RL	< RL	< RL
T008	M040 + M041 + M042 + M046 + M047	< RL	< RL	< RL	< RL
T009	M052 + M053 + M072 + M073 + M076	< RL	< RL	< RL	< RL
T010	M056 + M069 + M091 + M094 + M099	< RL	< RL	< RL	< RL
T011	M060 + M062 + M063 + M066 + M067	< RL	< RL	< RL	< RL
T012	M068 + M077 + M084 + M085 + M098	< RL	< RL	< RL	< RL
T013	M081 + M123 + M337	< RL	< RL	< RL	< RL
T014	M082 + M086 + M093 + M105 + M127	< RL	< RL	< RL	< RL

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T015	M083 + M088 + M173 + M196 + M206	< RL	< RL	< RL	< RL
T016	M087 + M108 + M109 + M110 + M111	< RL	< RL	< RL	< RL
T017	M096 + M097 + M103 + M107 + M112	< RL	< RL	< RL	< RL
T018	M113 + M115 + M117 + M119 + M125	< RL	< RL	< RL	< RL
T019	M120 + M121 + M122 + M131 + M132	< RL	< RL	< RL	< RL
T020	M128 + M134 + M135 + M136 + M137	< RL	< RL	< RL	< RL
T021	M133 + M140 + M141 + M151 + M156	< RL	< RL	< RL	< RL
T022	M139 + M143 + M144 + M145 + M146	< RL	< RL	< RL	< RL
T024	M163 + M178 + M179 + M180 + M181	< RL	< RL	< RL	< RL
T025	M129 + M166 + M168 + M170 + M174	< RL	< RL	0.009	< RL
T027	M150 + M177 + M193 + M198 + M199	< RL	< RL	< RL	< RL
T028	M175 + M200 + M209 + M318 + M335	< RL	< RL	< RL	< RL
T029	M159 + M182 + M195 + M202 + M203	< RL	< RL	< RL	< RL
T030	M106 + M184 + M204 + M261 + M324	< RL	< RL	< RL	< RL
T031	M213 + M265 + M290 + M312 + M314	< RL	< RL	< RL	< RL
T032	M221 + M225 + M233 + M235 + M241	< RL	< RL	< RL	< RL
T033	M222 + M223 + M243 + M245 + M248	< RL	< RL	< RL	< RL
T034	M249 + M250 + M252 + M253 + M254	< RL	< RL	< RL	< RL
T035	M259 + M285 + M286 + M287 + M288	< RL	< RL	< RL	< RL

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T036	M281 + M317 + M326 + M328 + M334	< RL	< RL	< RL	< RL
T037	M295 + M297 + M298 + M299 + M303	< RL	< RL	< RL	< RL
T038	M304 + M305 + M307 + M308 + M310	< RL	< RL	< RL	< RL
T039	M311 + M316 + M320 + M321 + M330	< RL	< RL	< RL	< RL
T040	M331 + M332 + M338 + M339 + M341	< RL	< RL	< RL	< RL
T041	M336 + M342 + M348 + M363 + M369	< RL	< RL	< RL	< RL
T042	M347 + M352 + M356 + M361	< RL	< RL	< RL	< RL
T043	M095 + M160 + M190 + M251 + M269	< RL	< RL	< RL	< RL
T044	M276 + M277 + M325 + M354 + M372	< RL	< RL	0.007	< RL
T045	M055 + M116 + M126 + M256	< RL	< RL	< RL	< RL
T046	M340 + M349 + M364	< RL	< RL	< RL	< RL
T047	M242	< RL	< RL	< RL	< RL
T048	M154	< RL	< RL	< RL	< RL
T051	M161	< RL	< RL	< RL	< RL
T052	M162	< RL	< RL	< RL	< RL
T053	M130	< RL	0.075	< RL	< RL
T054	M138	< RL	< RL	< RL	< RL
T055	M155	< RL	0.070	< RL	< RL
T056	M164	< RL	< RL	< RL	< RL
T057	M176	< RL	< RL	< RL	< RL
T058	M157-1	< RL	< RL	< RL	< RL
T059	M158-1	< RL	< RL	< RL	< RL
T060	M376 + M382 + M387 + M391	< RL	< RL	< RL	< RL
T061	M383 + M384 + M389	< RL	< RL	< RL	< RL
T062	M152-3	< RL	< RL	< RL	< RL

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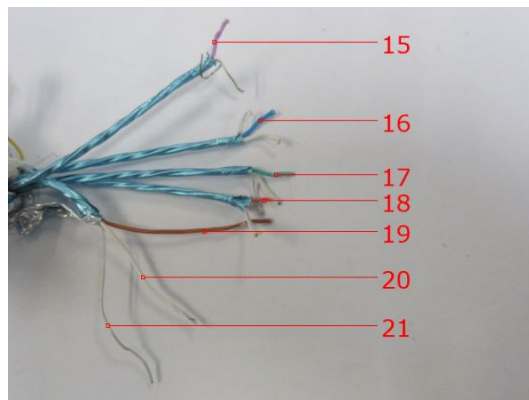
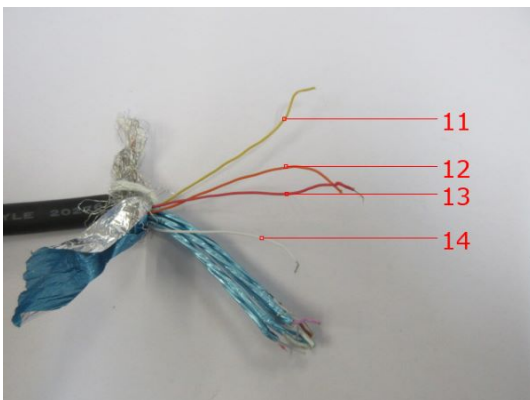
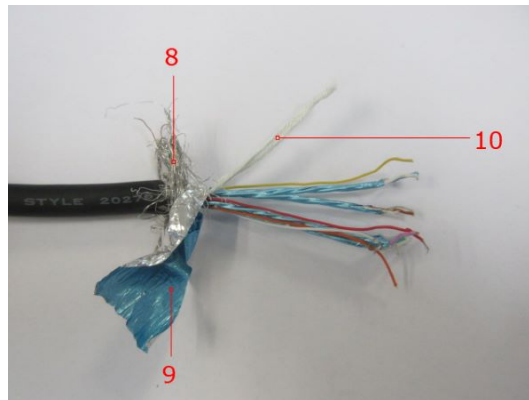
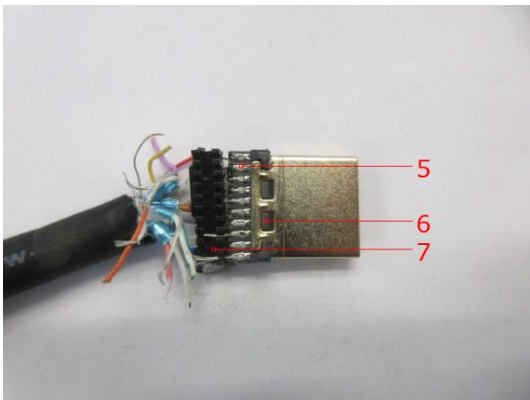
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Abbreviation: BBP= Benzylbutyl phthalate
 DBP= Dibutyl phthalate
 DEHP= Bis(2-ethylhexyl) phthalate
 DIBP= Diisobutyl phthalate
 < = less than
 RL = Reporting Limit
 %= percentage

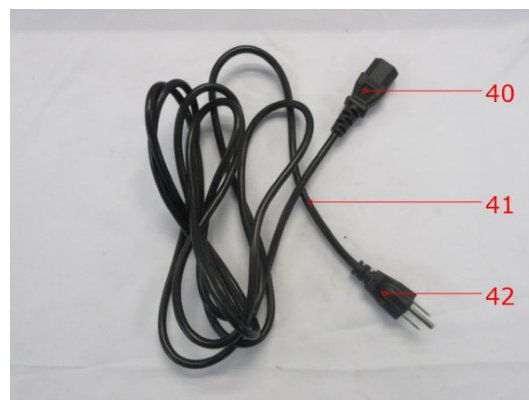
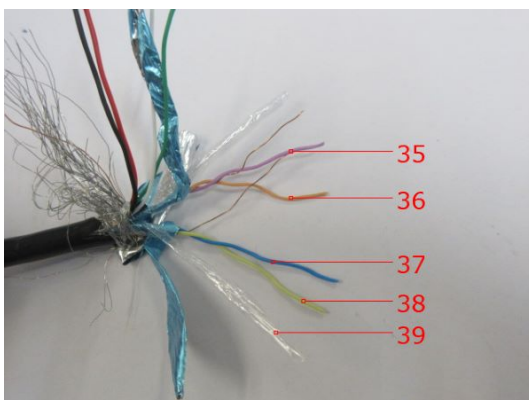
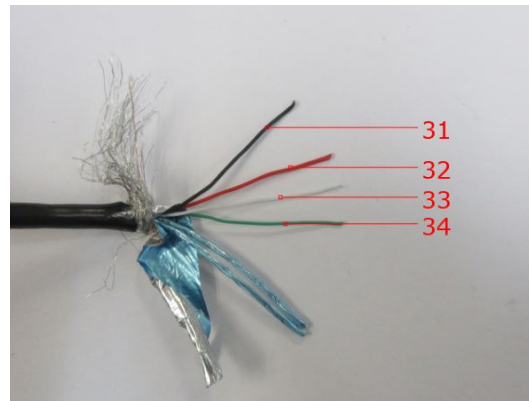
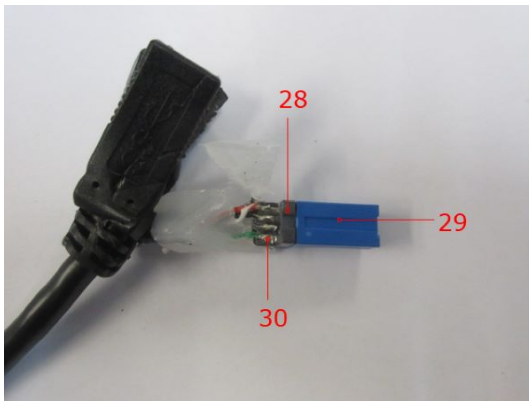
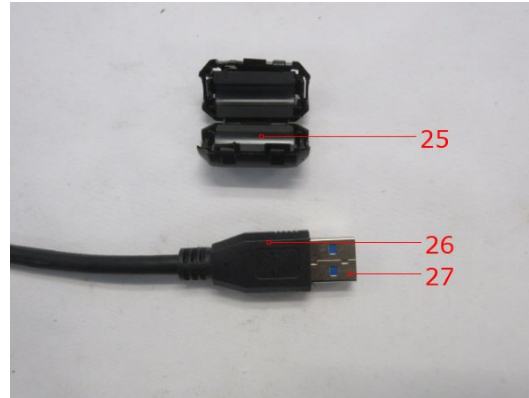
Remark:

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

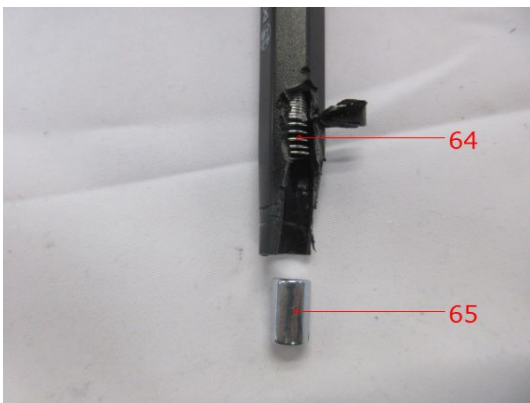
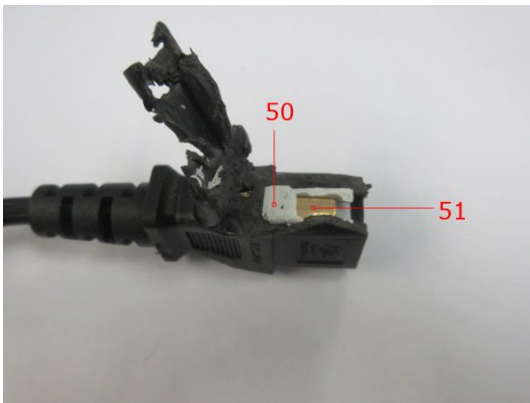
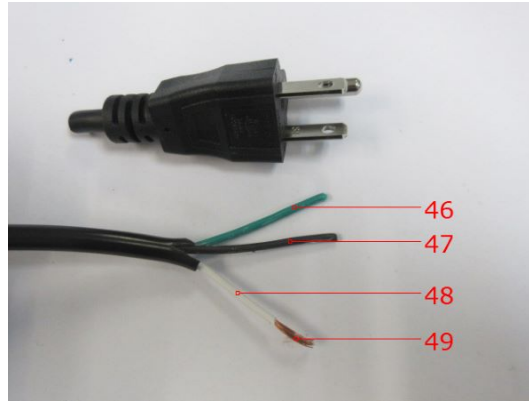
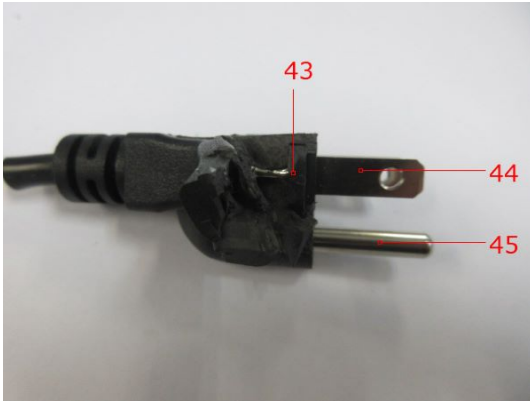
Sample Photos



Sample Photos



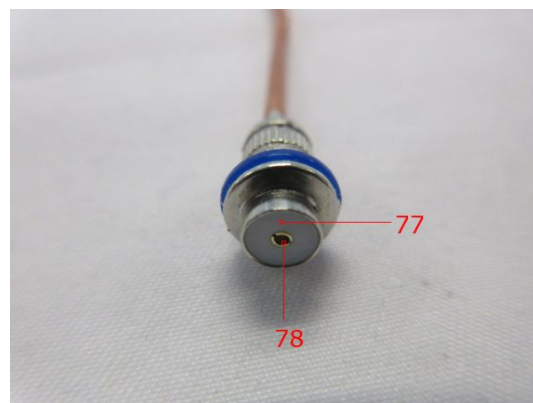
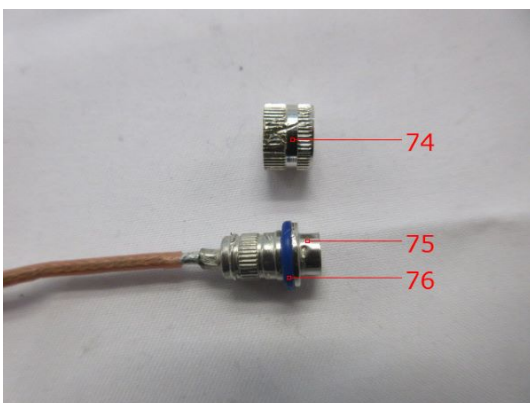
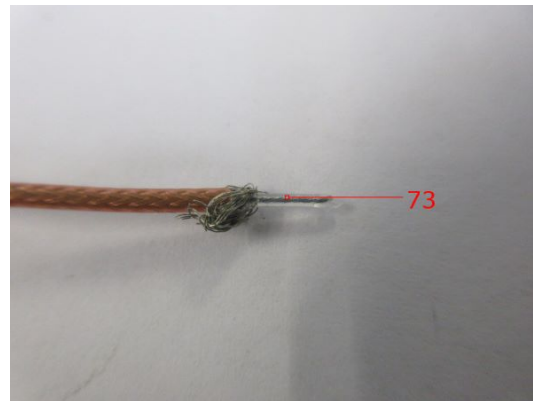
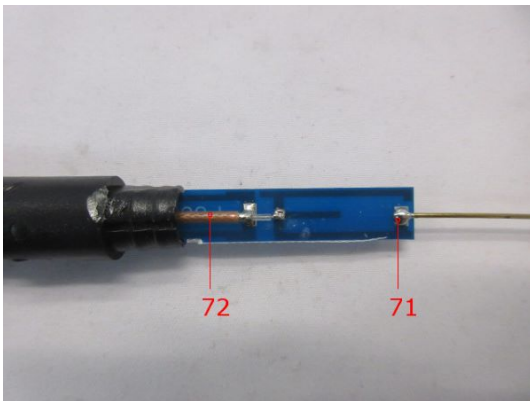
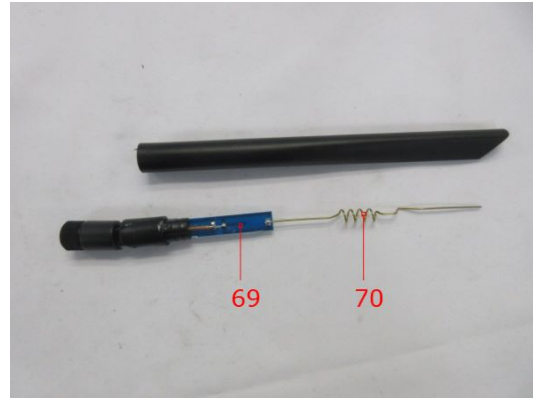
Sample Photos



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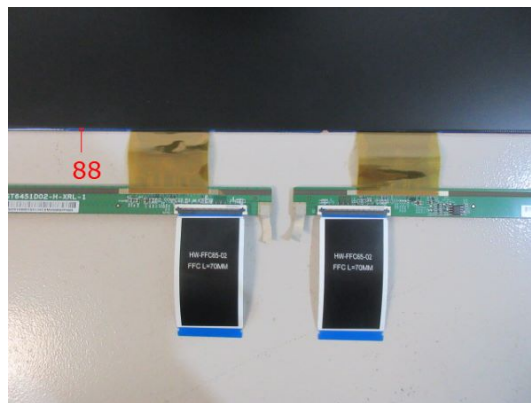
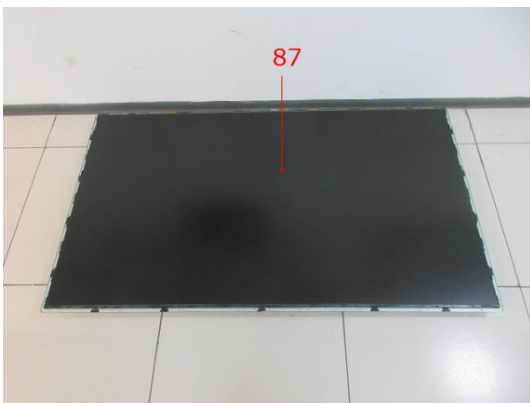
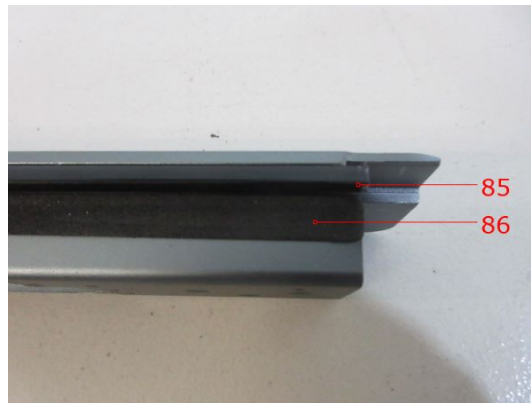
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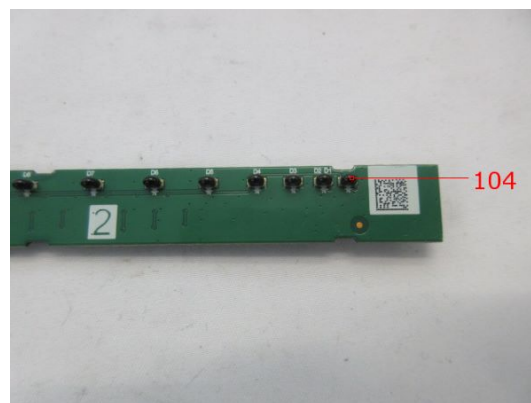
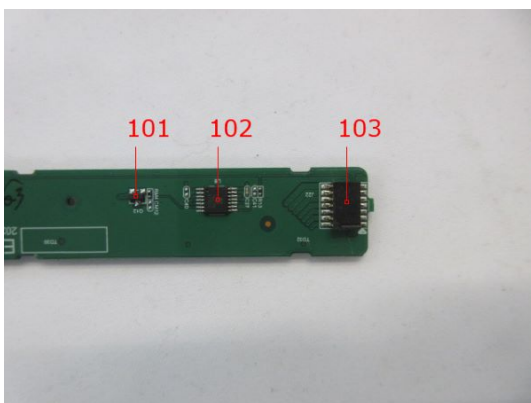
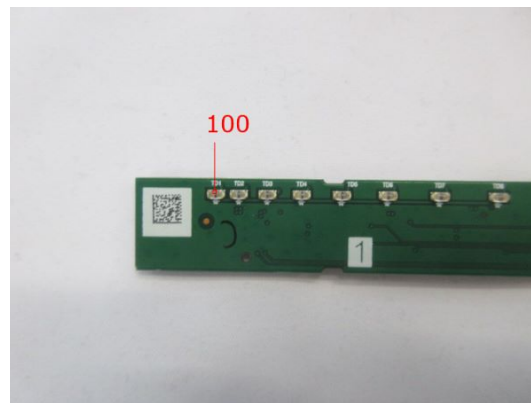
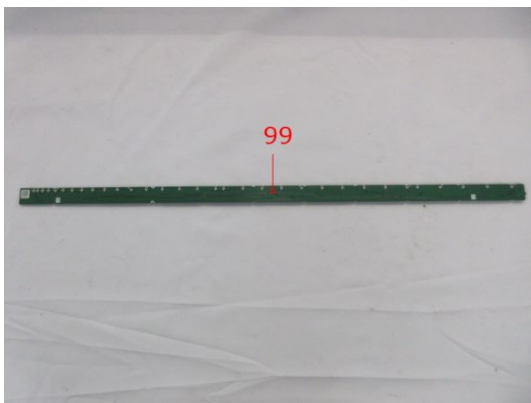
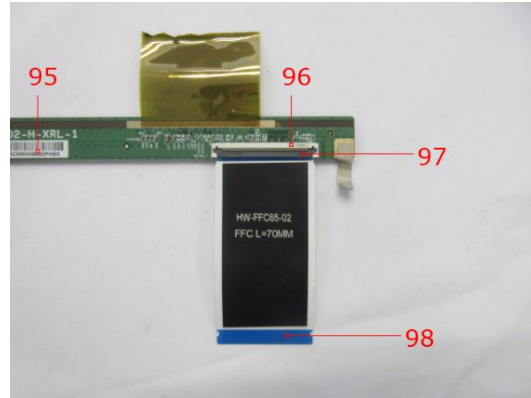
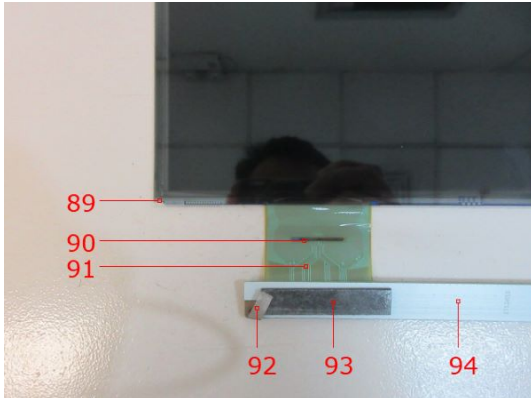
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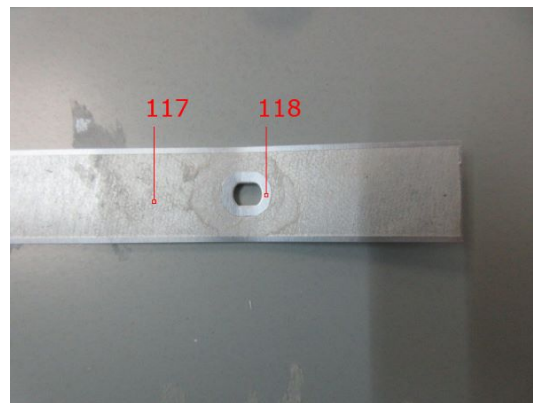
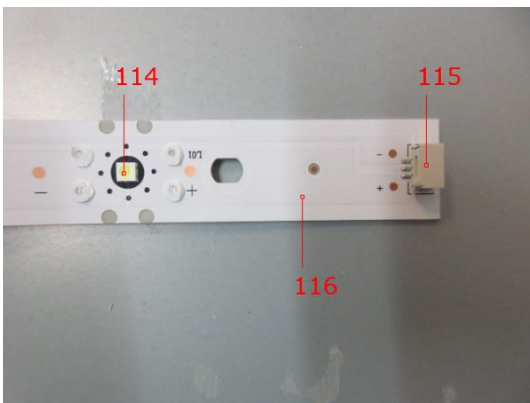
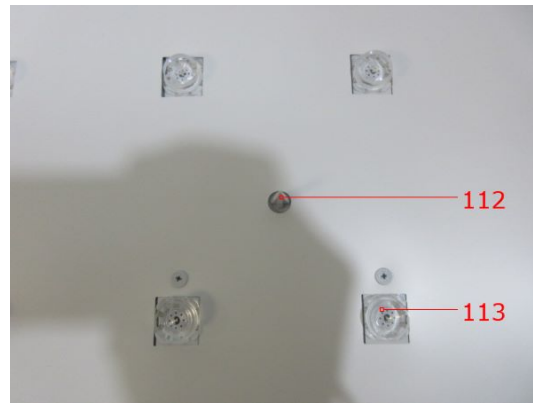
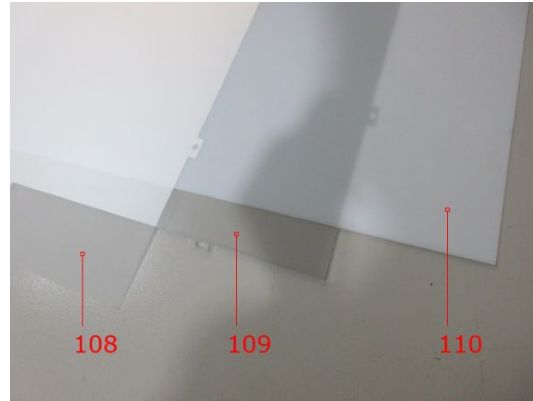
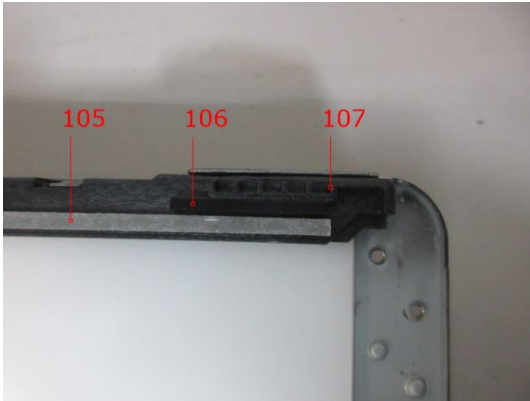
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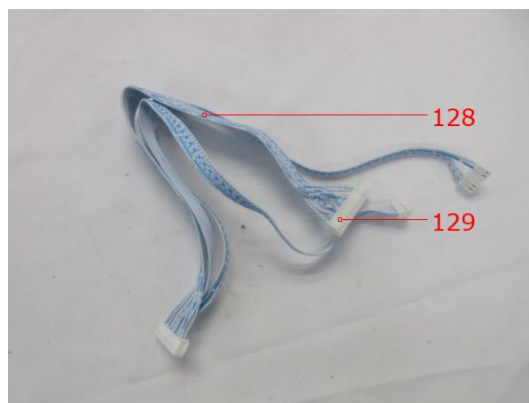
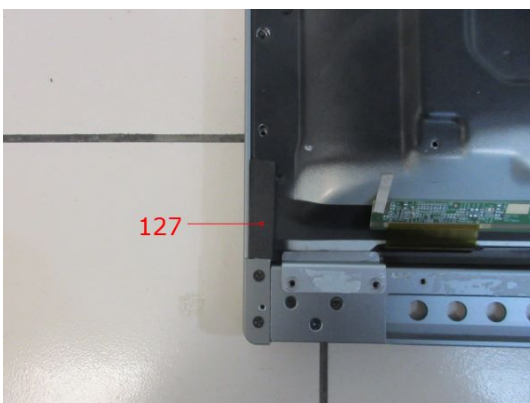
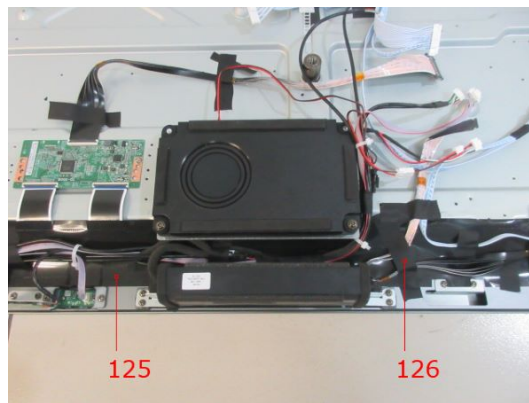
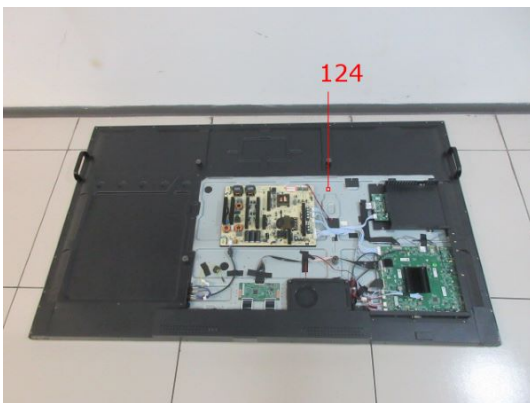
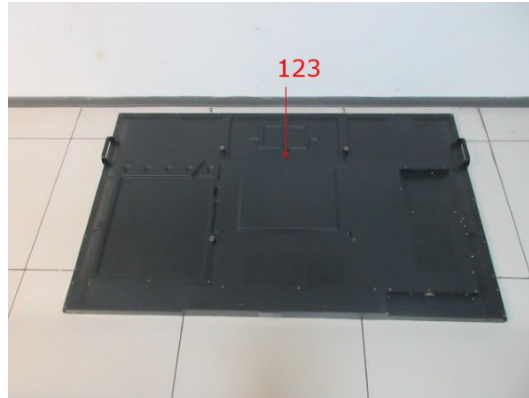
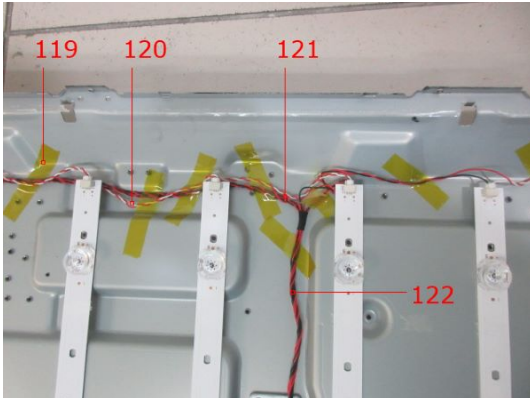
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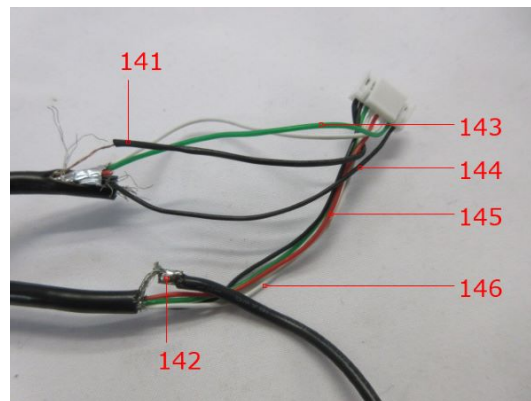
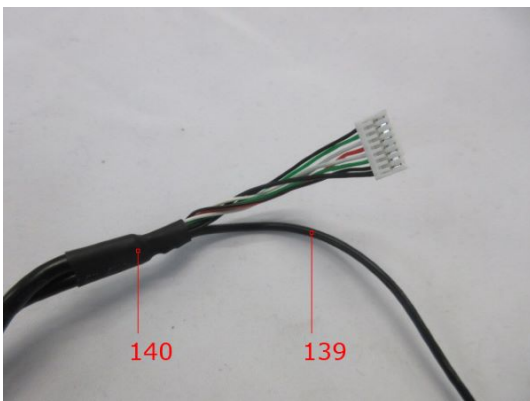
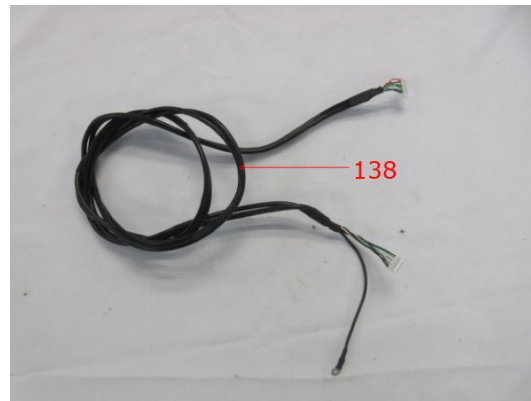
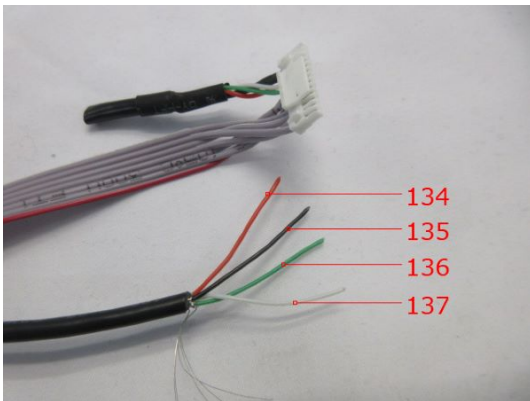
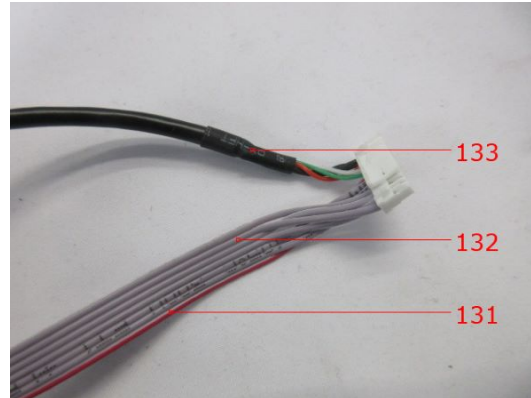
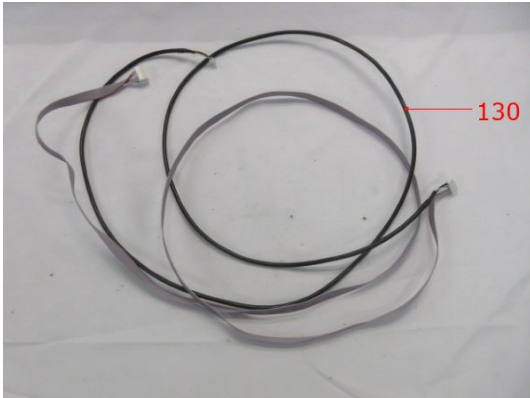
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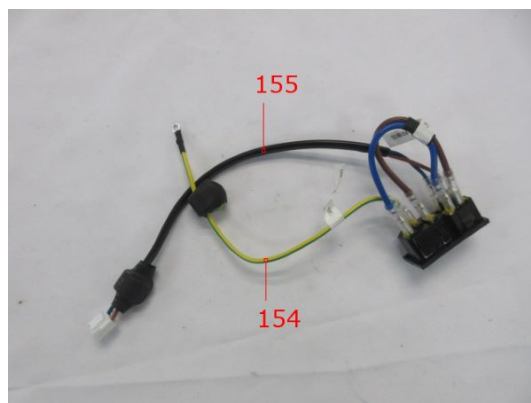
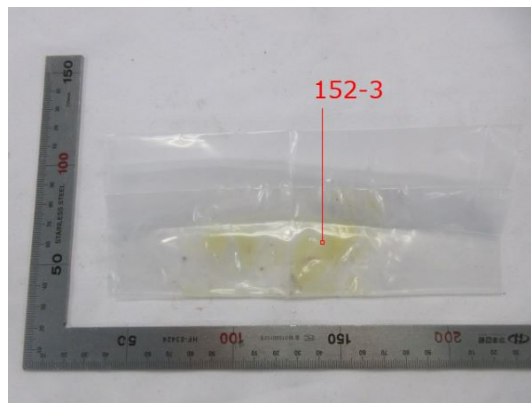
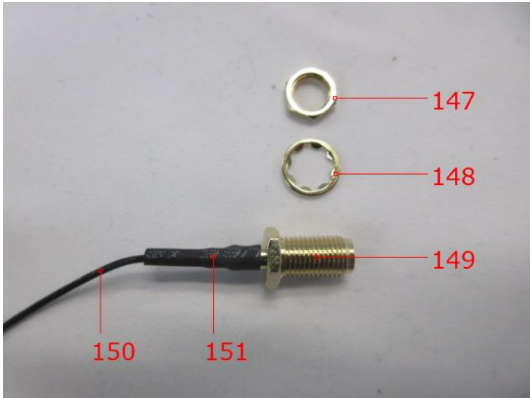
Sample Photos



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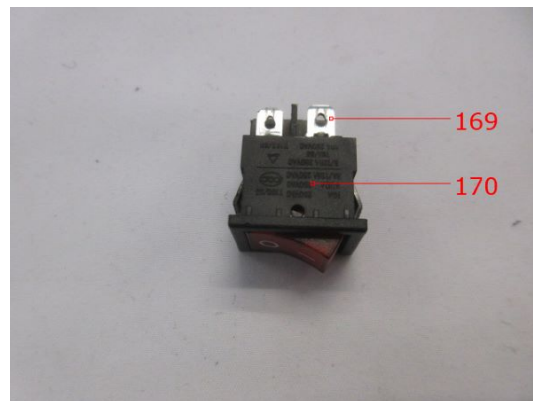
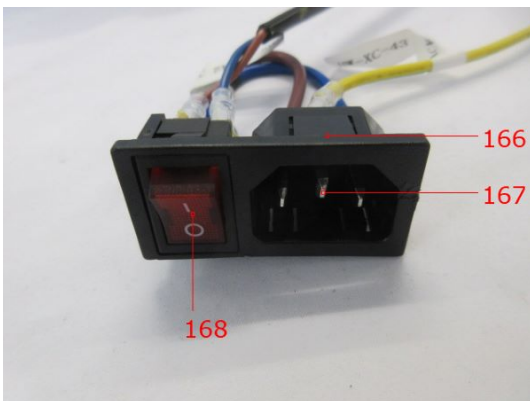
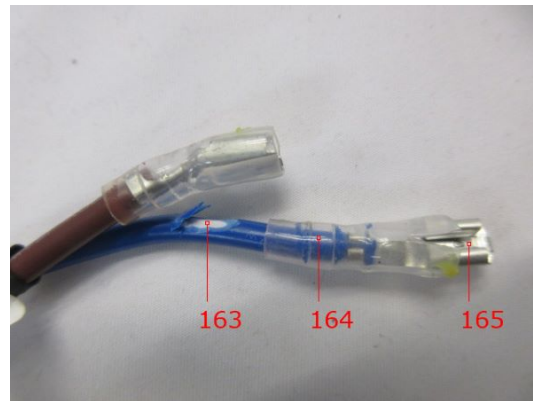
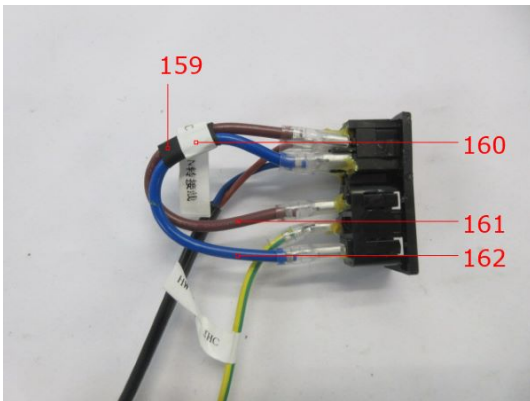
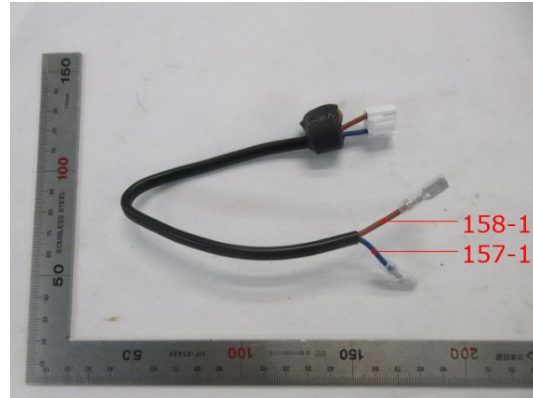
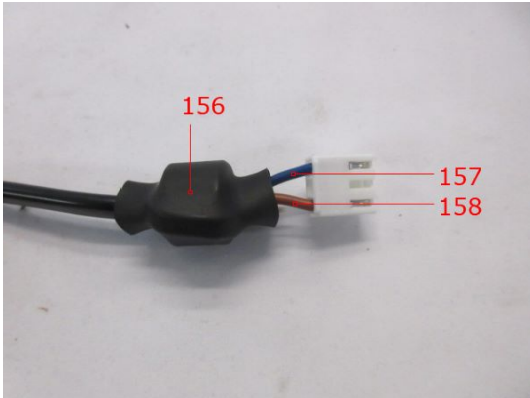
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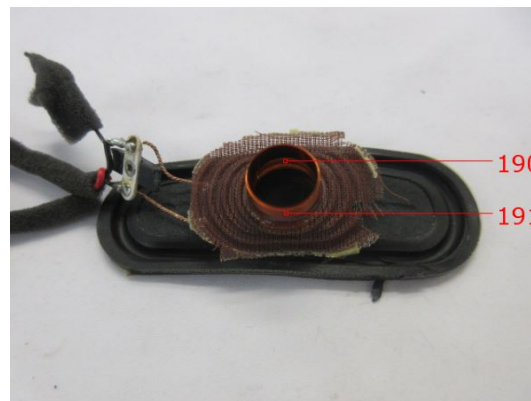
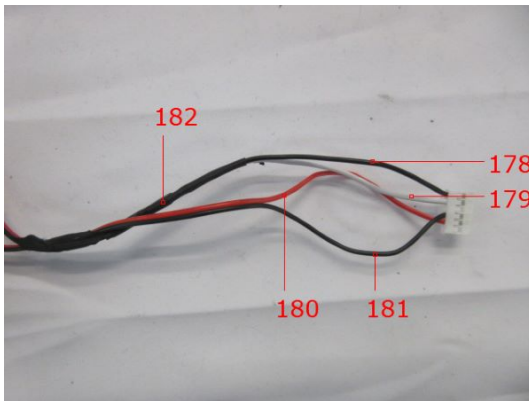
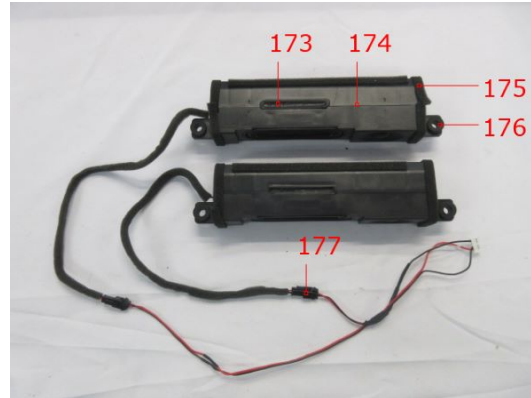
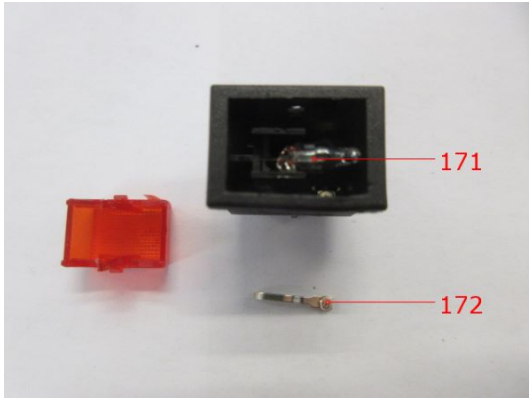
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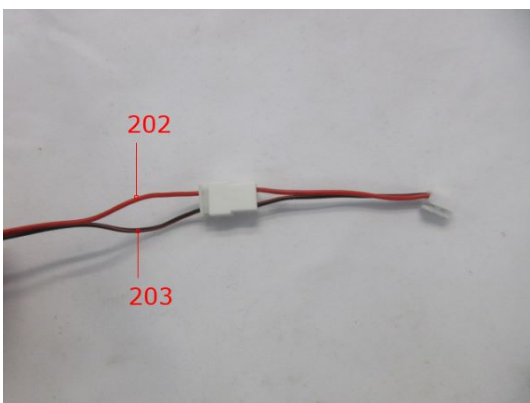
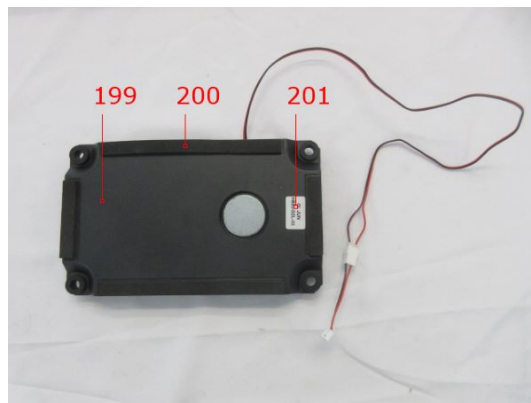
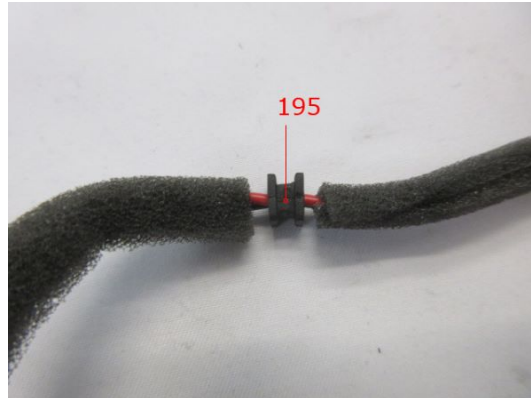
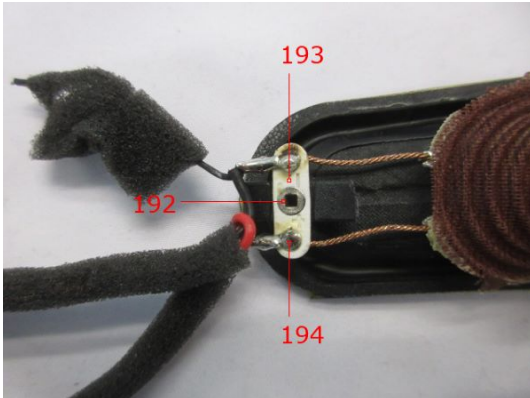
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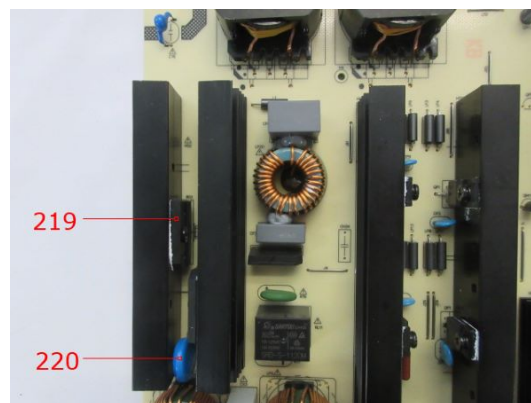
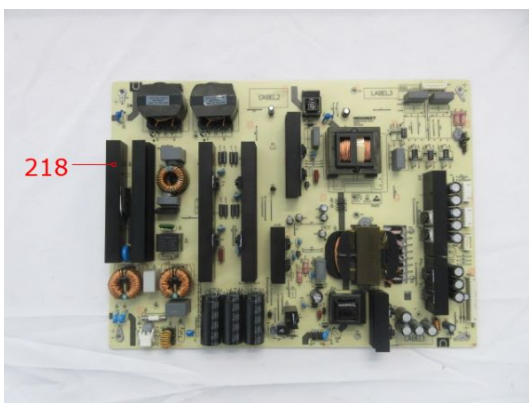
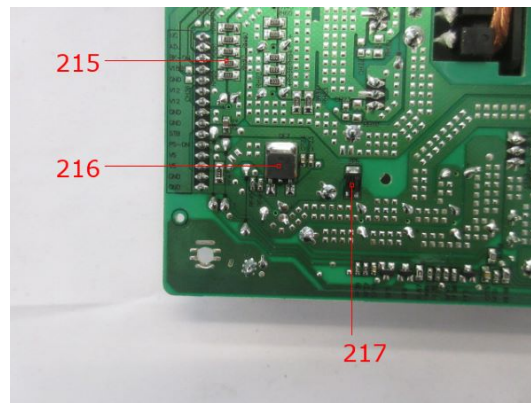
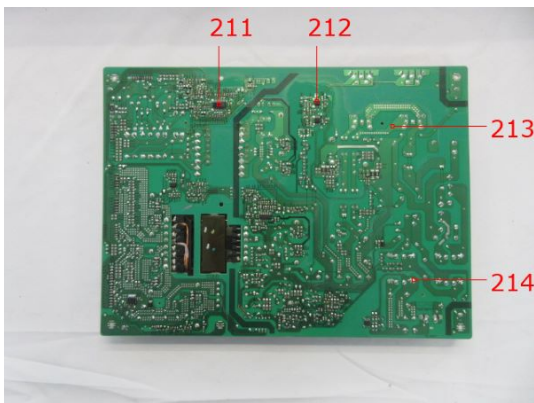
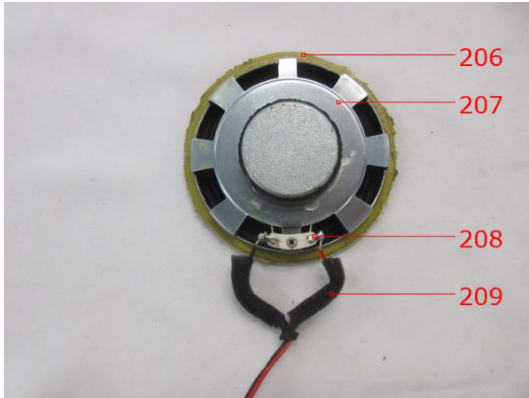
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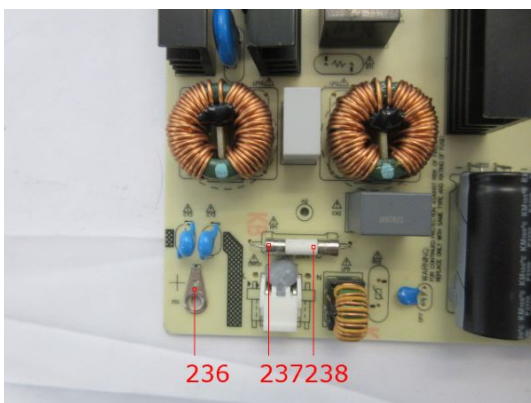
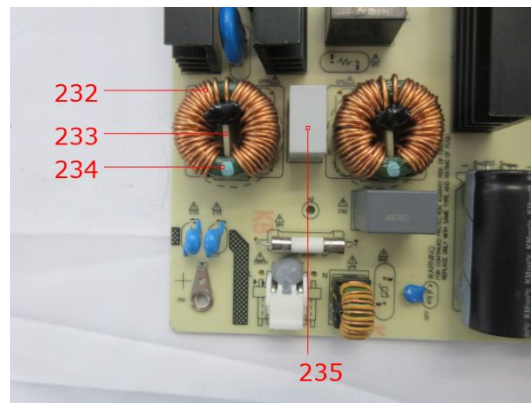
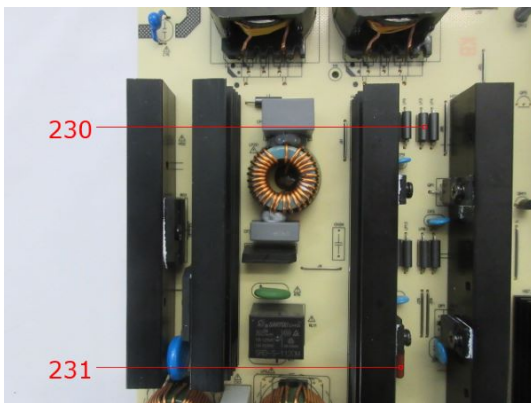
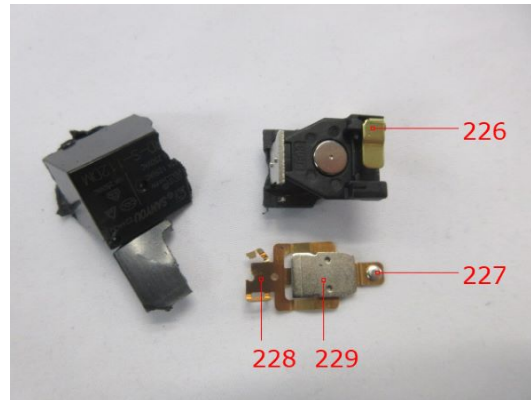
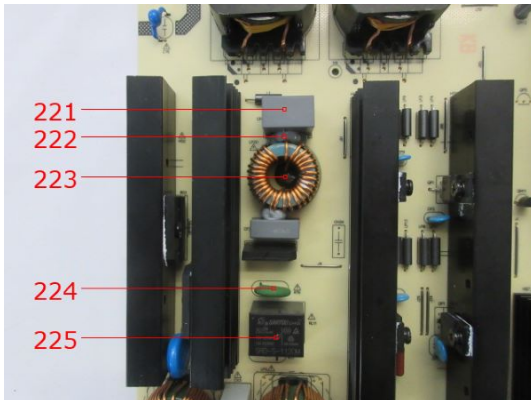
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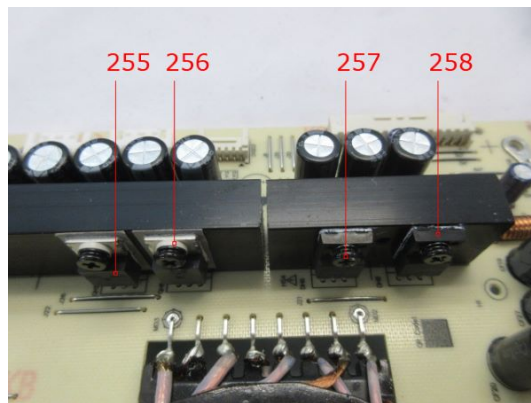
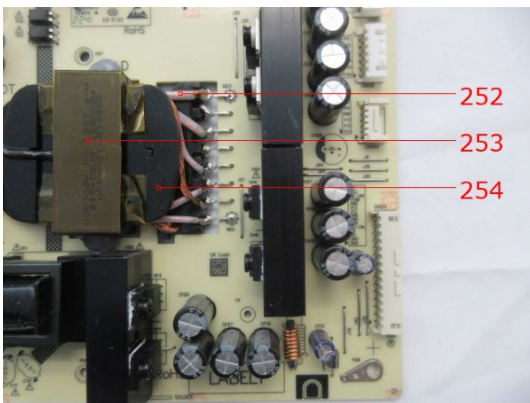
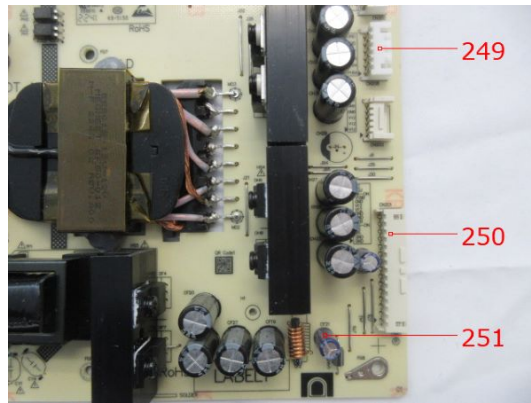
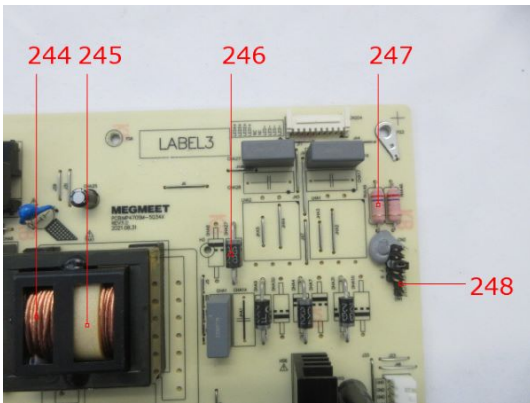
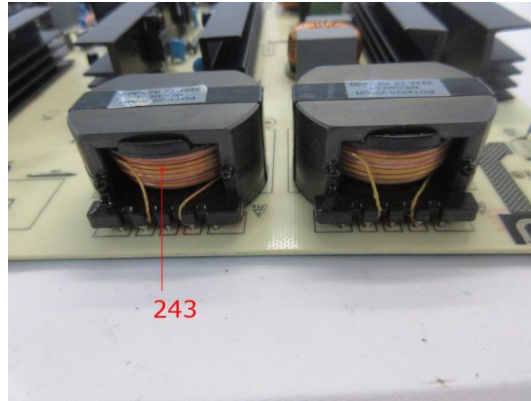
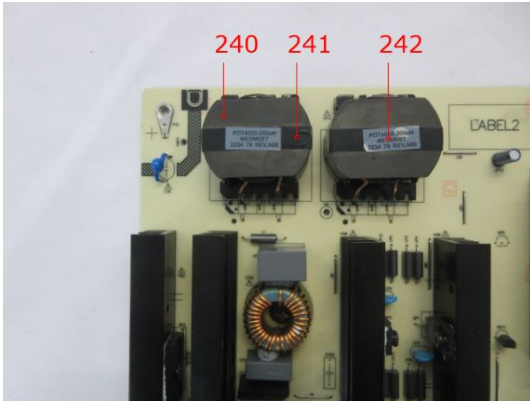
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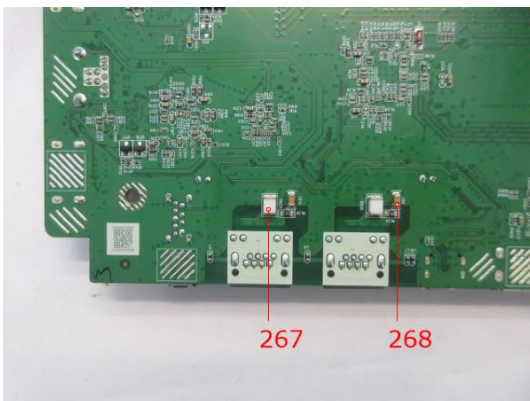
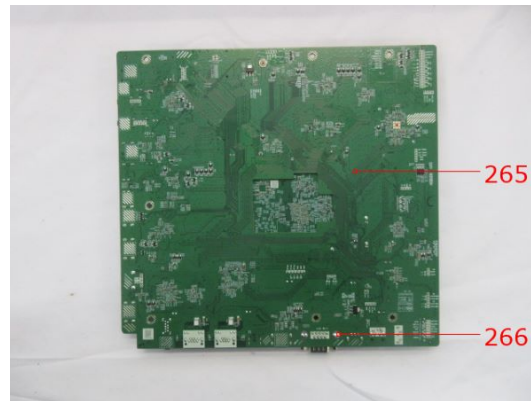
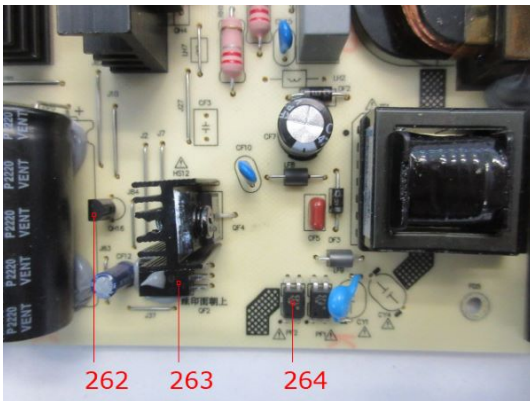
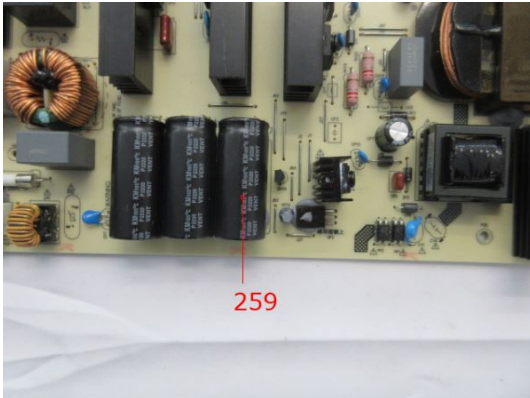
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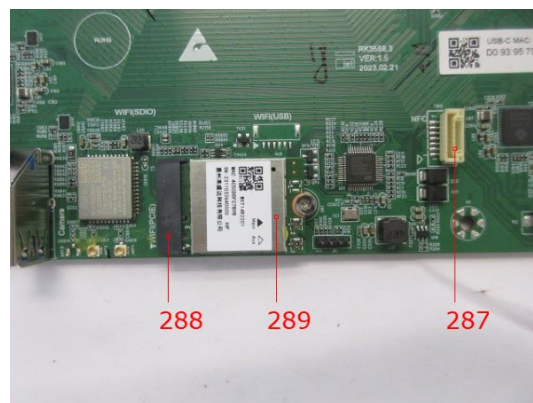
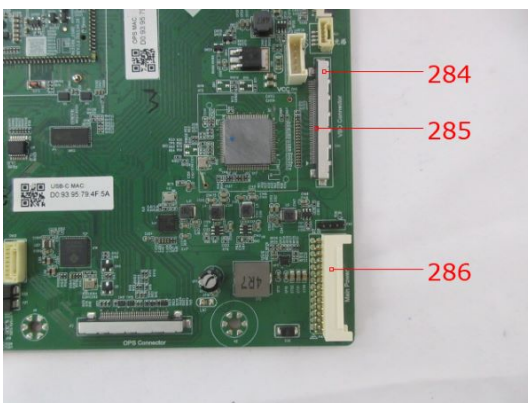
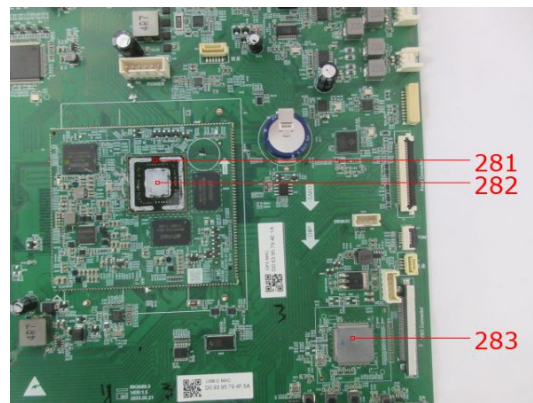
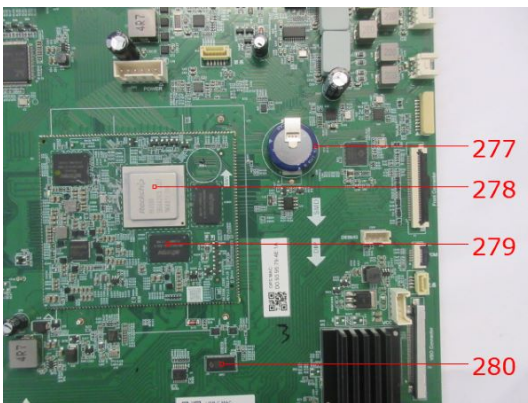
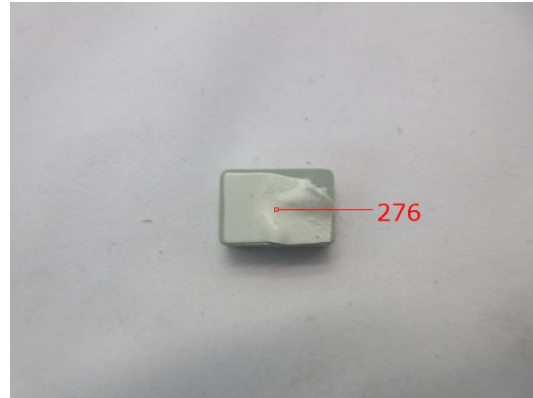
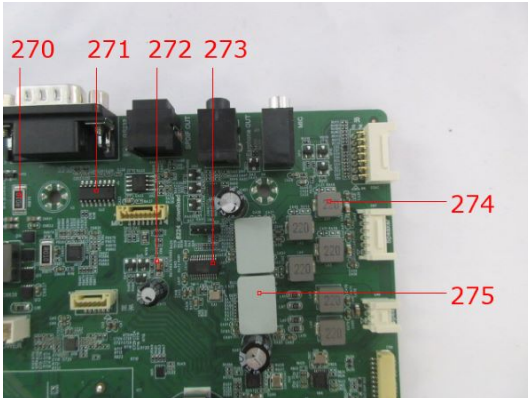
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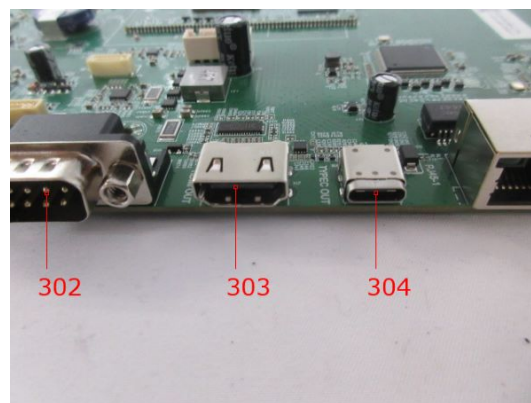
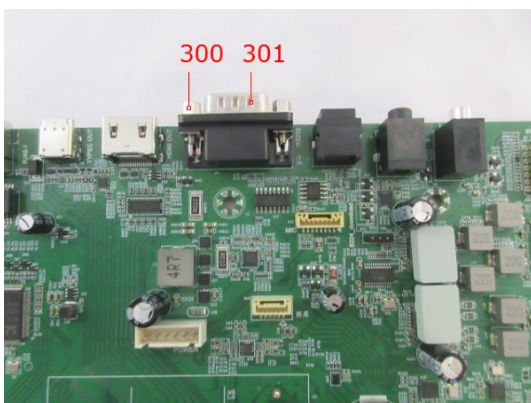
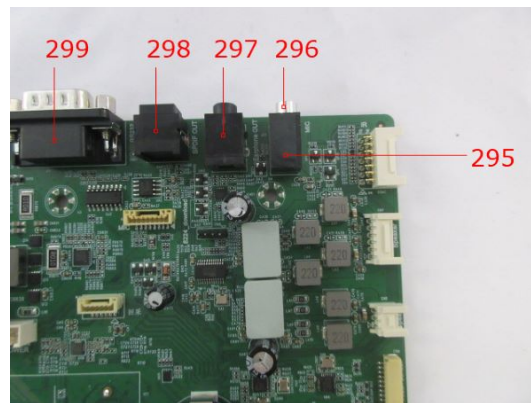
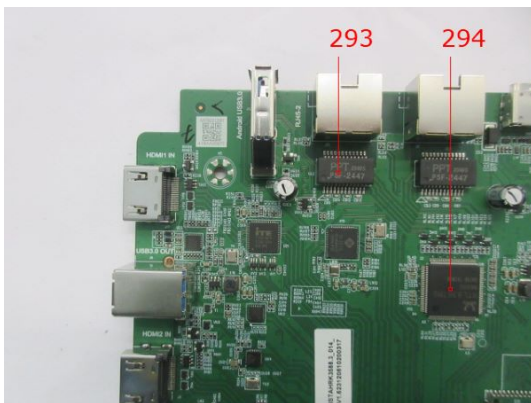
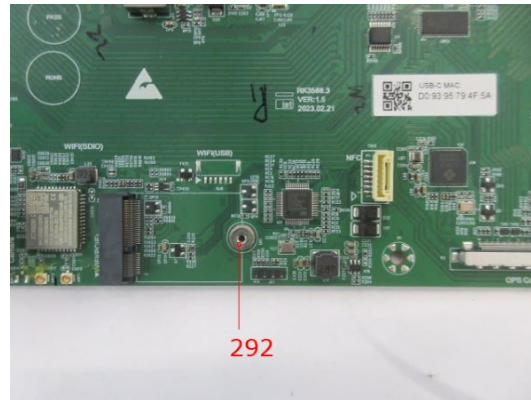
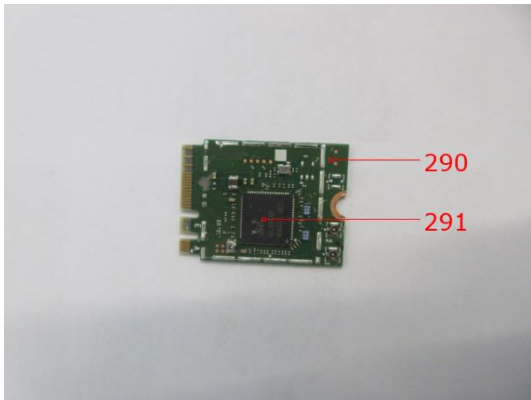
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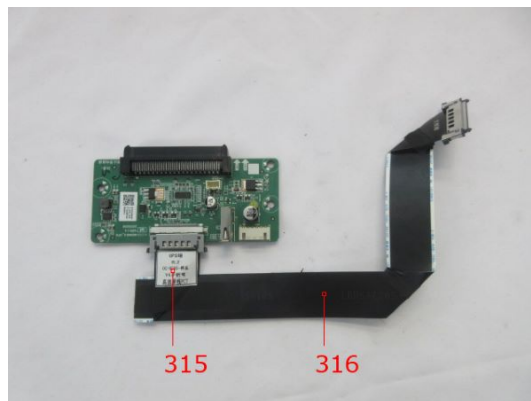
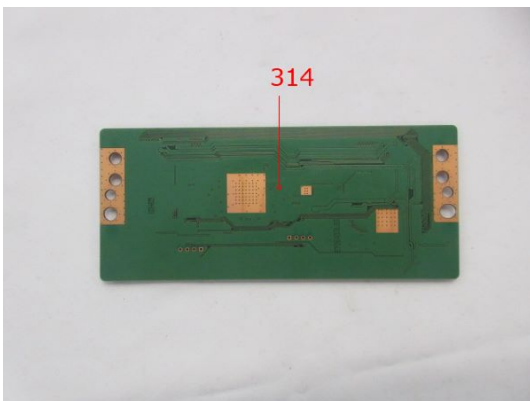
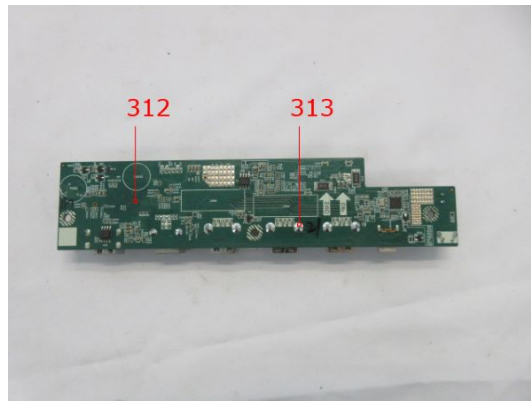
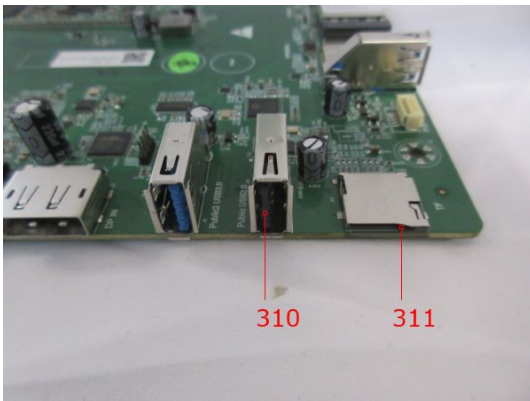
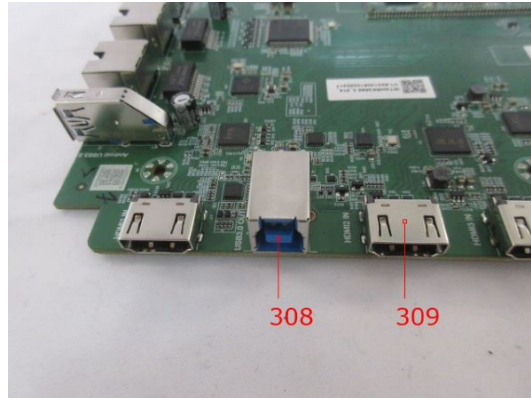
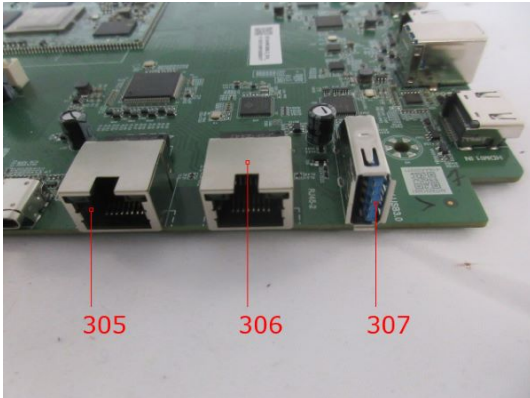
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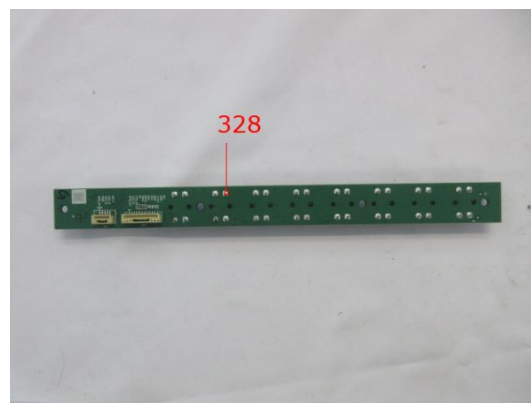
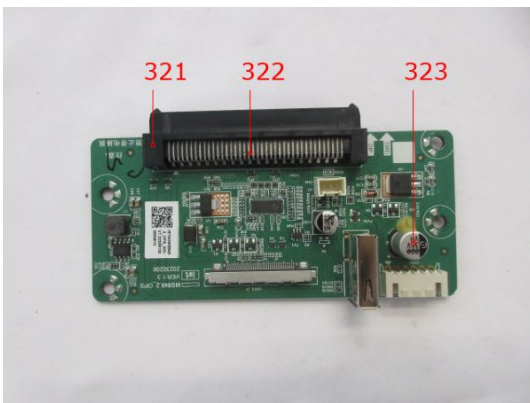
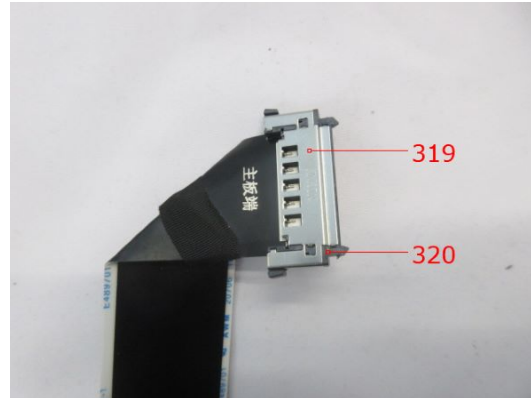
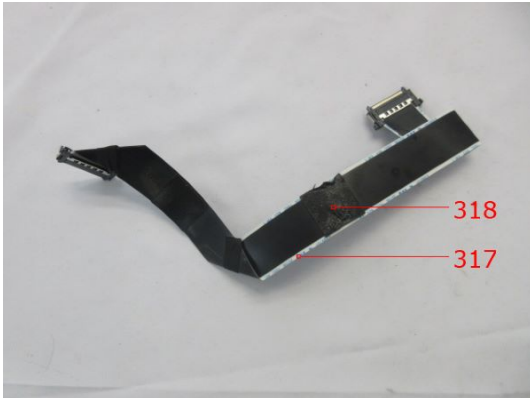
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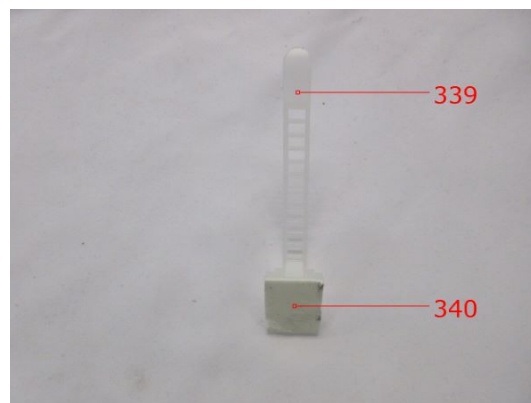
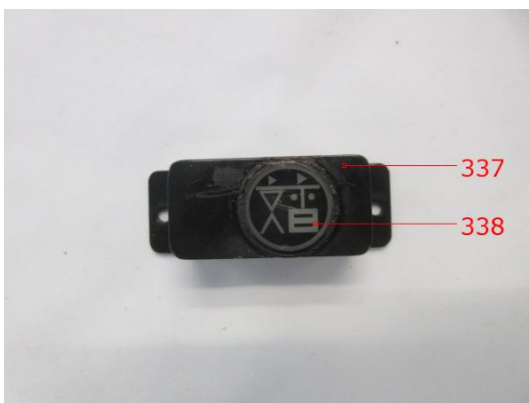
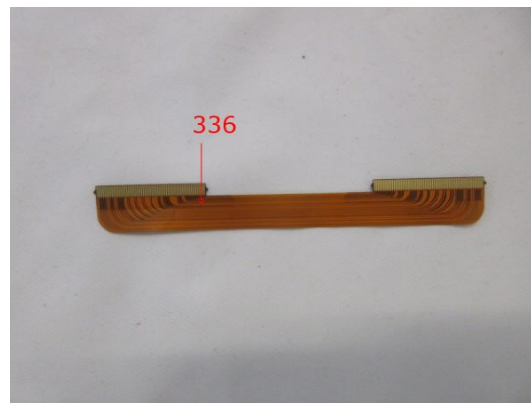
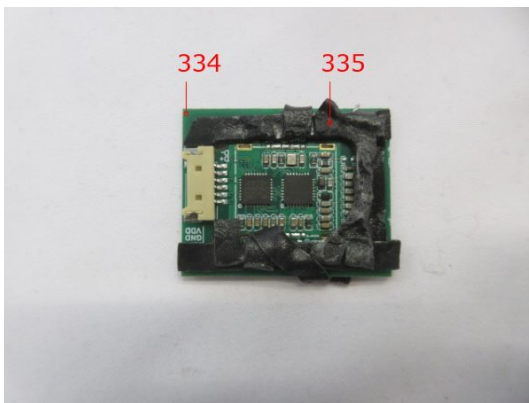
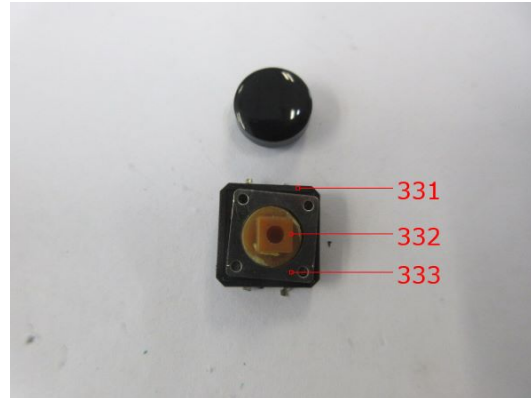
Sample Photos



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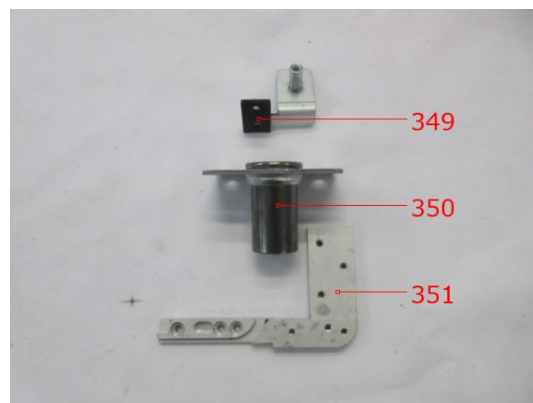
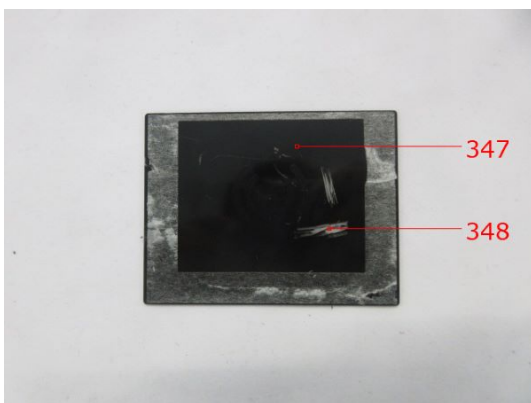
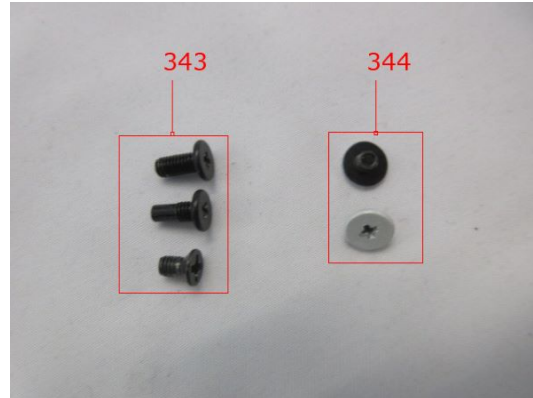
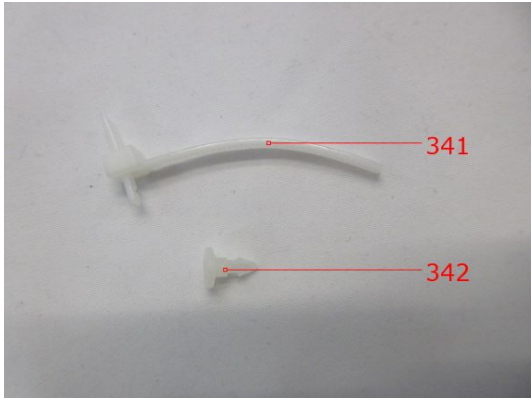
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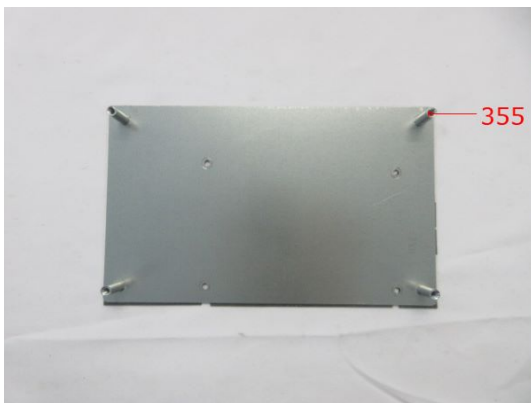
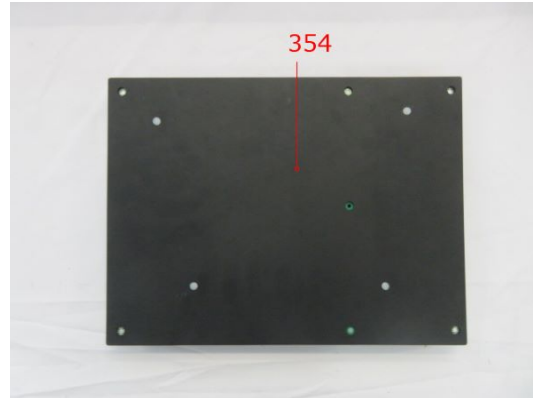
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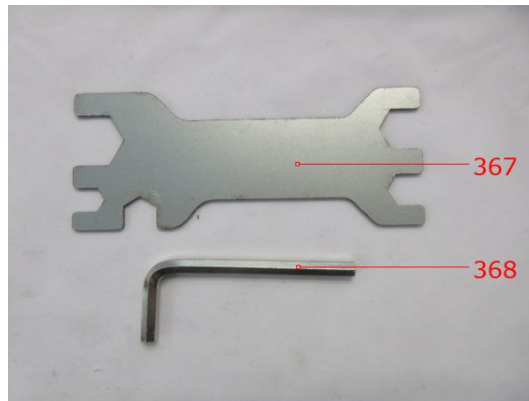
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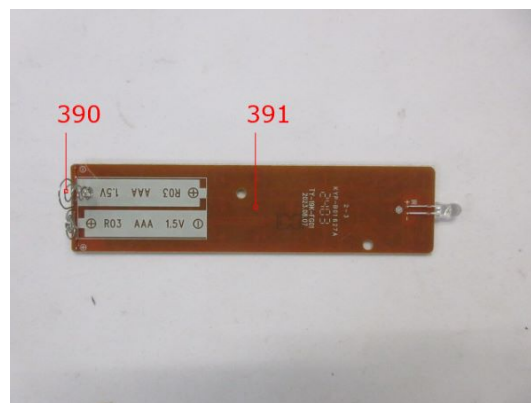
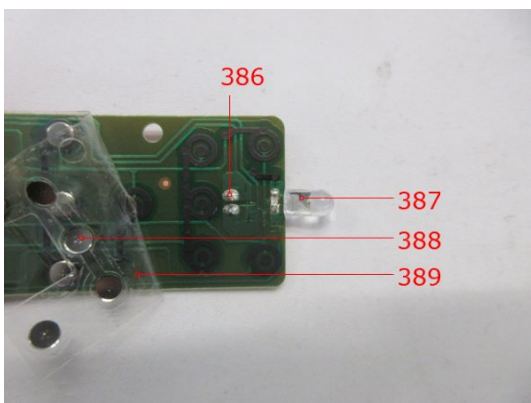
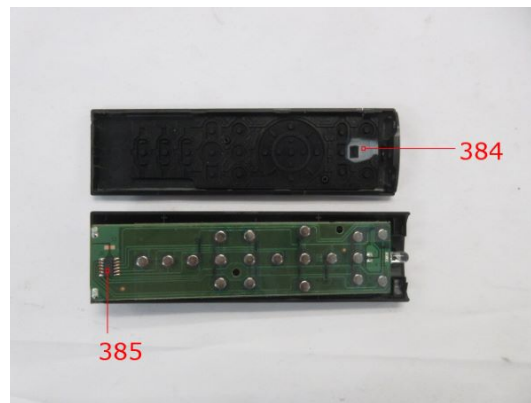
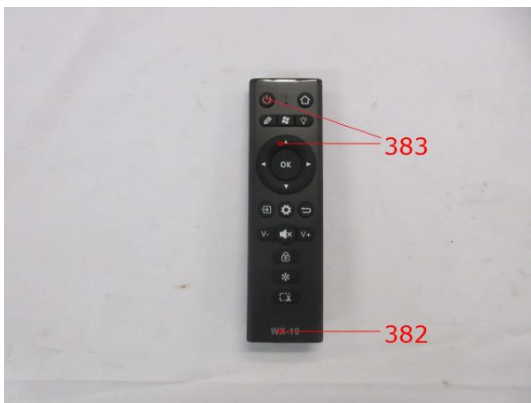
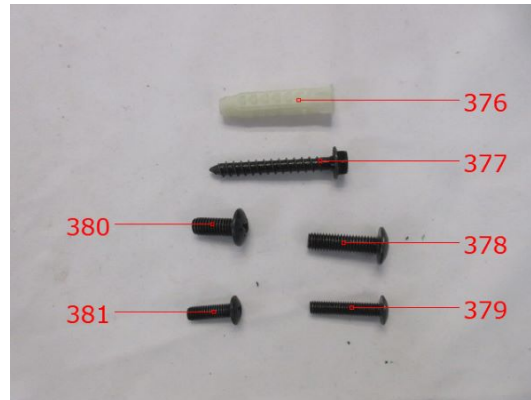
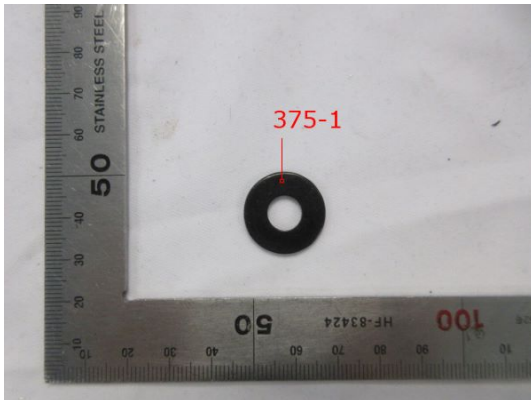
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Product



Product



Product

- END -

General Terms and Conditions of Business of TÜVRheinland in Greater China

1. Scope
These General Terms and Conditions of Business of TÜVRheinland in Greater China ("GTCB") is made between one or more members and one or more companies in Greater China as applicable as the case may be ("TÜV Rheinland"). The Greater China hereof refers to the regions within the territories of China. The client hereby includes:

- (i) a natural person capable to form legally binding contracts under the applicable laws who concludes the contract for the purpose of the daily use;
- (ii) the incorporated or unincorporated entity duly organized, validly existing and capable to form legally binding contracts under the applicable law.

The following terms and conditions apply to agreed services including consultancy services, information, deliveries and similar services as well as ancillary services and other secondary obligations provided within the scope of contract performance.

Any standard terms and conditions of the client of any nature shall not apply and shall hereby be expressly excluded. No standard contractual terms and conditions of the client shall form part of the contract even if TÜV Rheinland does not explicitly object to them.

In the context of an ongoing business relationship with the client, this GTCB shall also apply to future contracts with the client without TÜV Rheinland having to refer to them separately in each individual case.

2. Quotations

Unless otherwise agreed, all quotations submitted by TÜV Rheinland can be changed by TÜV Rheinland without notice prior to its acceptance and confirmation by the other party.

3. Coming into effect and duration of contracts

The contract shall come into effect for the agreed terms upon the quotation letter of TÜV Rheinland or a separate contractual document being signed by both contracting parties, or upon the request requested by the client being carried out by TÜV Rheinland. If the client instructs TÜV Rheinland without receiving a quotation from TÜV Rheinland (quotation), TÜV Rheinland is, in its sole discretion, entitled to accept the order by giving written notice of such acceptance (including notice sent via electronic means) or by performing the requested services.

The contract term starts upon the coming into effect of the contract in accordance with article 3.1 and shall continue for the term agreed in the contract.

If the contract provides for an extension of the contract term, the contract term will be extended by the term provided in the contract where such extension is written in writing by both parties with a three-month notice prior to the end of the contractual term.

4. Scope of services

The scope and type of the services to be provided by TÜV Rheinland shall be specified in the contractually agreed service scope of TÜV Rheinland by both parties. If no such separate service scope of TÜV Rheinland exists, then the written confirmation of order by TÜV Rheinland shall be decisive for the service to be provided. Unless otherwise agreed, services beyond the scope of the service description (e.g. checking the condition and function of parts, products, processes, installations, organizations not listed in the service description, as well as the intended use and application of such) are not owed. In particular, no responsibility is assumed for the design, selection of materials, construction or intended use of an examined part, product, process or plant, unless this is expressly stated in the order.

The agreed services shall be performed in compliance with the regulations in force at the time the contract is entered into.

TÜV Rheinland is entitled to determine, in its sole discretion, the method and nature of the assessment unless otherwise agreed in writing or if mandatory provisions require a specific procedure to be followed.

On execution of the work there shall be no simultaneous assumption of any guarantee of the correctness (proper quality) and working order of either tested or examined parts nor of the installation as a whole or the upstream and/or downstream processes, organizations, use and application in accordance with regulations, nor of the systems on which the installation is based. In particular, TÜV Rheinland shall assume no responsibility for the construction, selection of materials and assembly of installations examined by an examined part, product, process or plant, unless this is expressly stated in the order.

In the case of inspection work, TÜV Rheinland shall not be responsible for the accuracy or checking of the safety programmes or safety regulations on which the inspections are based, unless otherwise expressly agreed in writing.

If mandatory legal regulations and standards or official requirements for the agreed service scope change after conclusion of the contract, with a written notice to the client, TÜV Rheinland shall be entitled to additional remuneration for resulting additional expenses.

The services to be provided by TÜV Rheinland under the contract are agreed exclusively with the client. A contract of third parties with the services of TÜV Rheinland, as well as making available of and justifying confidence in the work results (test reports, test results, expert reports, etc.) are not part of the agreed services. This also applies if the client passes on work results - in full or in extracts - to third parties in accordance with clause 11.4.

The client understands and agrees to perform the contract with TÜV Rheinland, the client may need to sign one or more contractual agreements with all/more third party(ies) and establish legal relationships with those/third party(ies) according to such contractual agreements. TÜV Rheinland hereby bears the corresponding legal liability according to this contract and the direct services actually to be provided by our company in the service process. If the relevant services are not directly provided by TÜV Rheinland (including but not limited to any testing and inspection services to be provided by third parties, agency services, etc.), TÜV Rheinland will provide the client as agent for such relevant services. In order to achieve the purpose of the contract, the client hereby agrees that TÜV Rheinland (including but not limited to a third party) to party undertake all necessary responsibilities, duties, best and responsibility and/or risk for any services to be provided by any third parties (including but not limited to the testing and/or certification services to be entrusted and/or applied for by our company on behalf of the client or other testing and/or certification bodies, agency services provided by any other third party(ies), etc.). Besides, the client shall be liable in accordance with the relevant laws and regulations and/or the terms under the contract. If the client is required to provide any annual renewal/validity of the relevant services, TÜV Rheinland shall be responsible and pay additional fees in accordance with the relevant laws and regulations or the testing and certification rules, such fees are not within the scope of the contract price, the client shall timely fulfill the obligation to pay the relevant fees in accordance with the testing and certification rules, which shall not be borne by TÜV Rheinland.

For the service contract agreed in the contract, if the client requires TÜV Rheinland to deliver relevant test samples, data, etc. to any overseas laboratory or other places or sites to be designated by the client, TÜV Rheinland shall not take any responsibilities, duties, best and responsibility and/or risk for any services to be provided by any third parties (including but not limited to the testing and/or certification services to be entrusted and/or applied for by our company on behalf of the client or other testing and/or certification bodies, agency services provided by any other third party(ies), etc.). Besides, the client shall be liable in accordance with the relevant laws and regulations and/or the terms under the contract. If the client is required to provide any annual renewal/validity of the relevant services, TÜV Rheinland shall be responsible and pay additional fees in accordance with the relevant laws and regulations or the testing and certification rules, such fees are not within the scope of the contract price, the client shall timely fulfill the obligation to pay the relevant fees in accordance with the testing and certification rules, which shall not be borne by TÜV Rheinland.

5. Performance period/dates

The contractually agreed period/dates of performance are based on estimates of the work involved which are prepared in line with the details provided by the client. They shall only be binding if being consistent as binding by TÜV Rheinland in writing.

If binding periods of performance have been agreed, these periods shall not commence until the client has submitted all required documents to TÜV Rheinland.

Articles 5.1 and 5.2 also apply, even without express agreement by the client, to all extensions of agreed period/dates of performance not caused by TÜV Rheinland.

TÜV Rheinland is not responsible for a delay in performance, in particular if the client has not fulfilled his obligations in accordance with clause 11 and the client does not do so in time and, in particular, has not provided TÜV Rheinland with all documents and information required for the performance of the service as specified in the contract.

If the performance of TÜV Rheinland is delayed due to unforeseeable circumstances such as force majeure, strikes, business disruptions, governmental regulations, transport obstacles, etc., TÜV Rheinland is entitled to postpone performance for a reasonable period of time which corresponds at least to the duration of the hindrance plus any time period which may be required to resume performance.

If the client is obliged to comply with legal, officially prescribed and/or by the accreditator prescribed deadlines, i.e. the client must comply with the legal and/or officially prescribed deadlines. TÜV Rheinland assumes no responsibility in this respect unless TÜV Rheinland expressly agreed in writing specifically stating that ensuring the deadlines is the contractual obligation of TÜV Rheinland.

6. The client's obligation to cooperate

The client shall guarantee that all cooperation required on its part, its agents or third parties will be provided in good time and at no cost to TÜV Rheinland.

Design documents, supplies, auxiliary staff, etc. necessary for performance of the services shall be made available free of charge by the client. Moreover, collaborative action of the client must be undertaken in accordance with legal provisions, standards, safety regulations and accident prevention instructions. And the client represents and warrants that:

- a) it has required statutory qualifications;
- b) the product, service or management system to be certified complies with applicable laws and regulations; and
- c) it doesn't have any legal and dishonest behaviours or is not included in the list of Enterprises with Serious Illegal and Dishonest Acts of People's Republic of China.

If the client breaches the aforesaid representations and warranties, TÜV Rheinland is entitled to i) immediately terminate the contract/order without prior notice; and ii) withdraw the issued testing report/certificates if any.

The client shall bear any additional cost incurred on account of work having to be redone or being delayed as a result of late, incorrect or incomplete information provided by or lack of proper cooperation from the client. Even where a fixed or maximum price is agreed, TÜV Rheinland shall be entitled to charge extra fees for such additional expense.

7. Prices

If the scope of performance is not laid down in writing when the order is placed, invoicing shall be based on costs actually incurred. If no price is agreed in writing, invoicing shall be based on the price list of TÜV Rheinland valid at the time of performance.

Unless otherwise agreed, work orders shall be issued by the client in writing. If the execution of an order extends over more than one month and the value of the contract or the agreed fixed price exceeds €2,500.00 or equivalent value in local currency, TÜV Rheinland may demand payments on account or in instalments.

8. Payment terms

All invoice amounts shall be due for payment within 30 days of the invoice date without deduction on receipt of the invoice. No discounts and rebates shall be granted.

Payments shall be made to the bank account of TÜV Rheinland as indicated on the invoice, stating the invoice and client numbers.

In cases of default of payment, TÜV Rheinland shall be entitled to claim default interest at the applicable short term interest rate publicly announced by a reputable commercial bank in the country where TÜV Rheinland is located. At the same time, TÜV Rheinland reserves the right to claim further damages.

Should the client default in payment of the invoice despite being granted a reasonable grace period, TÜV Rheinland shall be entitled to cancel the contract, withdraw the certificate, claim damages for non-performance and refuse to continue performance of the contract.

The provisions set forth in article 8.4 shall also apply in cases involving returned cheques, cessation of payment, commencement of insolvency proceedings against the client's assets or cases in which the commencement of insolvency proceedings has been dismissed due to lack of assets.

Objections to the invoices of TÜV Rheinland shall be submitted in writing within two weeks of receipt of the invoice.

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TÜV Rheinland shall be entitled to demand appropriate advance payments.

TÜV Rheinland shall be entitled to raise its fees at the beginning of a month if overheads and/or purchase costs have increased. In this case, TÜV Rheinland shall notify the client in writing of the rise in fees. This notification shall be issued one month prior to the date on which the rise in fees shall come into effect (period of notice of changes in fees). If the rise in fees exceeds 5% per contractual year, the client shall not have the right to terminate the contract. If the rise in fees exceeds 5% per contractual year, the client shall be entitled to terminate the contract by the end of the period of notice of changes in fees. If the contract is not terminated, the rise in fees shall be deemed to have been agreed upon by the time of the expiry of the notice period.

Only legally established and undisputed claims may be offset against claims by TÜV Rheinland.

TÜV Rheinland shall have the right at all times to set off any amount due or payable by the client, including but not limited to set off any amount due or payable by the client under any contracts, agreements and/or order/undertakings reached with TÜV Rheinland.

9. Acceptance of work

Any part of the work result ordered which is complete in itself may be presented by TÜV Rheinland for acceptance as an instalment. The client shall be obliged to accept it immediately.

If acceptance is required or contractually agreed in an individual case, this shall be deemed to have taken place two (2) weeks after completion and handover of the work, unless the client refuses acceptance within this period stating at least one fundamental breach of contract by TÜV Rheinland.

The client is not entitled to refuse acceptance due to insignificant breach of contract by TÜV Rheinland.

If acceptance is excluded according to the nature of the work performance of TÜV Rheinland, the completion of the work shall take its place.

During the Follow-Up/Audit stage, if the client was unable to make use of the time windows provided for within the scope of a certification procedure for auditing performance by TÜV Rheinland and the certificate is therefore to be withdrawn (e.g. performance of surveillance audits), or if the client cancels or postpones a confirmed audit date by the client, TÜV Rheinland is entitled to immediately charge a lump-sum compensation of 10% of the order amount as compensation for expenses. The client reserves the right to prove that the TÜV Rheinland has incurred no damage whatsoever or only a considerably lower damage than the above lump sum.

9.6 Insofar as the client has undertaken in the contract to accept services, TÜV Rheinland shall also be entitled to charge the above-sum damages in the event of a cancellation of the contract. The compensation for expenses if the service is not called within one year after the order has been placed. The client reserves the right to prove that the TÜV Rheinland has incurred no damage whatsoever or only a considerably lower damage than the above mentioned lump sum.

10. Confidentiality

For the purpose of these terms and conditions, "confidential information" means all know-how, trade secrets, documents, images, drawings, expertise, information, data, test results, reports, samples, project documents, pricing and financial information, customer and supplier information, and marketing techniques and applications, including but not limited to the following: information otherwise disclosed by one Party (the "disclosing party") to the other Party (the "receiving party"), in writing or orally, in printed or electronic form. Confidential information is expressly not the data and know-how otherwise disclosed or transferred by TÜV Rheinland to the client, and not proprietary to the client within the scope of the provision of services by TÜV Rheinland. TÜV Rheinland is entitled to store, use, further develop and pass on the data obtained in connection with the provision of services for the purposes of developing new services, improving services and analysing the provision of services.10.2 The disclosing party shall mark all confidential information disclosed in written form as confidential before passing it onto the receiving party. The same applies to confidential information transmitted by e-mail. If confidential information is disclosed orally, the receiving party shall be appropriately informed in advance and the disclosing party shall confirm in writing the confidentiality nature of the information within five working days of oral disclosure. Where the disclosing party is not informed of the confidentiality period, the receiving party shall not take any confidentiality obligations hereunder towards such information. The client shall avoid using any third party platform and/or system (e.g., Wechat, etc. Unauthorized by TÜV Rheinland) to send any confidential information to the client. The client shall send any confidential information to company email of TÜV Rheinland employees through its company email. If the client suffers from any losses or damages due to any theft or leakage to be caused by the adoption of and/or the use of the disclosing party's testing methods mentioned above, TÜV Rheinland shall be waived for any compensation liabilities.

All confidential information which the disclosing party transmits or otherwise discloses to the receiving party and which is created during performance of the contract by the receiving party may only be used by the receiving party for the purposes of performing the contract, unless expressly otherwise agreed in writing by the disclosing party.

Any test or copied, distributed, published or otherwise disclosed by the receiving party, unless this is necessary for fulfilling the purpose of the contract or TÜV Rheinland is required to pass on confidential information, inspection reports or documentation to the government authorities, official court, accreditation bodies or third parties (including but not limited to the relevant direct and/or indirect proposed purchasers, vehicle manufacturers/whole equipment manufacturers, test standards or test requirements providers of the client's test products and/or certified products, etc.), that are involved in the performance of the contract by the receiving party, must be treated by the receiving party with the same level of confidentiality as the receiving party must to protect its own confidential information, but never with a lesser level of confidentiality than the disclosing party.

The receiving party may disclose any confidential information received from the disclosing party only to those of its employees who need this information to perform the services required for the contract. The receiving party shall ensure that those employees to observe the same level of secrecy as set forth in this confidentiality clause.

Information for which the receiving party can furnish proof that:

a) it was generally known at the time of disclosure or has become general knowledge without the disclosure of confidential information by the disclosing party; or

b) it was disclosed to the receiving party by a third party entitled to disclose this information; or

c) the receiving party already possessed this information prior to disclosure by the disclosing party; or

d) the receiving party developed it itself, irrespective of disclosure by the disclosing party, shall not be deemed to constitute "confidential information" as used in this confidentiality clause.

All confidential information shall remain the property of the disclosing party. The receiving party hereby agrees to immediately (i) return all confidential information, including all copies, to the disclosing party, and (ii) on request by the disclosing party, to destroy all confidential information, including all copies, and to confirm the destruction of the confidential information to the disclosing party in writing, at any time if so requested by the disclosing party but at the latest and without special request after termination or expiry of the contract. This does not exclude reports and certificates prepared for the client for the client's fulfilment of the obligations under the contract, which shall remain with the client. However, TÜV Rheinland is entitled to make file copies of such reports, certificates and confidential information that forms the basis for preparing these reports and certificates in order to fulfil its obligations under the contract. The general documentation purposes required by laws, regulations and the requirements of working procedures of TÜV Rheinland.

From the start of the contract and for a period of three years after termination or expiry of the contract, the receiving party shall maintain strict secrecy of all confidential information and shall not disclose this information to any third parties or use it for itself.

Copyrights and rights of use, publications

TÜV Rheinland shall retain all exclusive copyrights in the reports, expert reports/opinions, test reports/results, results, calculations, presentations, etc. prepared by TÜV Rheinland, unless expressly agreed by the parties in a separate agreement. As the owner of the copyrights, TÜV Rheinland is free to grant others the right to use the work results for individual or all types of use ("right of use").

The right of use is a simple, unlimited, non-transferable, non-sublicensable right of use to the contents of the work results produced within the scope of the contract, unless otherwise agreed by the parties in a separate agreement. The client may only use such reports, expert reports/opinions, test reports/results, results, calculations, etc. prepared within the scope of the contract for the contractually agreed purpose.

The transfer of right of use of the generated work results regulated in clause 11.2 of the GTCB is subject to full payment of the remuneration for the work results.

The client may use work results only complete and unshortened. The client may only pass on the work results in full unless TÜV Rheinland has given its prior written consent to the partial passing on of work results.

Any publication or duplication of the work results for advertising purposes or any further use of the work results beyond the scope regulated in clause 11.2, and any quotation of the introduction of TÜV Rheinland results by the prior written approval of TÜV Rheinland in each individual case. Besides, the client ensures that the aforesaid use shall comply with relevant applicable laws, regulations and relevant rules (including but not limited to specific applicable testing and certification rules, etc.).

TÜV Rheinland may revoke a once given approval according to clause 11.5 at any time without stating reasons. In this case, the client is obliged to stop the transfer of the work results immediately at his own expense and, as far as possible, to ensure that the work results are not further used.

The consent of TÜV Rheinland to publication or duplication of the work results does not entitle the client to use the corporate logo, corporate design or testification mark of TÜV Rheinland.

12. Liability of TÜV Rheinland

Irrespective of the legal basis, to the fullest extent permitted by applicable law, in the event of a breach of contractual obligations or tort, the liability of TÜV Rheinland for all damages, losses and reimbursement of expenses caused by TÜV Rheinland, its legal representatives and/or employees shall be limited to: (i) in the case of a contract with a fixed overall fee, three times the overall fee for the entire contract; (ii) in the case of a contract for an annually recurring services, the agreed annual fee; (iii) in the case of a contract expressly charged on a time and material basis, a maximum of 20,000 Euro or equivalent amount in local currency; and (iv) in the case of a framework agreement that provides for the possibility of placing individual orders, three times of the fee for the individual order under which the damages or losses have occurred.

Notwithstanding the above, in the event that the total and accumulated liability calculated according to the foregoing provisions exceeds 25 Million Euro or equivalent amount in local currency, the total and accumulated liability of TÜV Rheinland shall be only limited to and shall not exceed the said 25 Million Euro or equivalent amount in local currency.

The limitation of liability according to article 12.1 above shall not apply to damages and/or losses caused by malice, intent or gross negligence on the part of TÜV Rheinland or its vicarious agents. Such limitation shall not apply to damages for a person's death, the total injury or illness.

In cases involving a fundamental breach of contract, TÜV Rheinland will be liable even where minor negligence is involved. For this purpose, a fundamental breach is a breach of a material contractual obligation, the performance of which permits the due performance of the contract.

Any claim for damages for a fundamental breach of contract shall be limited to the amount of damages reasonably foreseen as a possible consequence of such breach of contract at the time of the breach (reasonably foreseeable damages), unless any of the circumstances described in article 12.2 applies.

TÜV Rheinland shall not be liable for the acts of the personnel made available by the client to support TÜV Rheinland in the performance of the services or the acts of the personnel of such personnel made available as regarded as vicarious agent of TÜV Rheinland. If TÜV Rheinland is not liable for the acts of the personnel made available by the client under the foregoing provision, the client shall indemnify TÜV Rheinland against any claims made by third parties arising from or in connection with such personnel's acts.

Unless otherwise contractually agreed in writing, TÜV Rheinland shall only be liable under the contract for damages caused by the personnel made available by the client.

The limitation periods for claims for damages shall be based on statutory provisions.

None of the provisions of this article 12 changes the burden of proof to the disadvantage of the client.

13. Export control

When passing on the services provided by TÜV Rheinland or parts thereof to third parties in Greater China or other regions, the client must comply with the respectively applicable regulations of national and international export control laws.

The performance of a contract with the client is subject to the proviso that there are no obstacles to performance due to national or international foreign trade legislations or embargos and/or

sanctions. In the event of a violation, TÜV Rheinland shall be entitled to terminate the contract with immediate effect and the client shall compensate for the losses incurred thereof by TÜV Rheinland.

14. Data protection notice

The client understands and agrees that TÜV Rheinland processes personal data (including but not limited to personal information) of the client and its related parties (including but not limited to the supplier of the client) for the purpose of fulfilling this contract. The client confirms that it has obtained the prior consent of the data subject, which entitles TÜV Rheinland to access, use, or process the personal data that the client collected or processed by itself and transferred to TÜV Rheinland. For certain services, we may also process sensitive personal data. TÜV Rheinland will use and process the data in accordance with the relevant legal basis. If any personal data has been disclosed or transferred to any third party or any overseas party outside of the district in which the personal data was collected, the client must confirm that it has obtained the prior consent of the data subject. TÜV Rheinland will carry out cross-border data transmission and protect the data in compliance with the privacy and personal data security related laws and regulations in China and the local country. TÜV Rheinland will take measures to avoid any leakage, abuse, manipulation, damage or unauthorized access of personal data. The personal data will be deleted immediately as soon as a corresponding reason for deletion arises. Data subjects may exercise the following rights: right of information, right of decision, right of rectification, right of deletion, right of processing limitation, right of objection, right of data transferability. In addition, persons concerned by the data processing have the right to revoke their consent at any time with effect for the future, as well as the right to file a complaint with the competent data protection supervisory authority. For further details on the processing of personal data by TÜV Rheinland as the person responsible or contract processor, please refer to the respective data protection information. You can contact the Group Data Protection Officer of TÜV Rheinland by e-mail at dataprotection@tuv.com or by post at the following address: TÜV Rheinland AG, c/o Group Data Protection Officer, Am Grauen Stein, 51105 Cologne, Germany.

15. Retention of test material and documentation

The test samples submitted by the client to TÜV Rheinland for testing will be scrapped following testing or will be returned to the client at the client's expense. The only exceptions are test samples, which are placed in storage on the basis of statutory regulations or of another agreement with the client.

Charges apply if the test samples are stored at the premises of TÜV Rheinland. The cost of placing a test sample into storage will be disclosed to the client in the quotation.

Reference samples or documentation are given to the client and shall be placed in storage at their premises, the reference samples or documents must be made available to TÜV Rheinland upon request promptly and free of charge. If the client, in response to such a request, is incapable of making or providing the reference samples or documents, any liability claims for material and pecuniary damage resulting from the respective testing and certification that is brought forward by the client against TÜV Rheinland shall be voided.

The retention period for the documentation shall be determined by the expiry of the test mark certificates or shall meet the applicable legal requirements for EU/EEA certificates of conformity and GS mark certificates.

The results of the analysis and dispatch of the test samples for storage on the client's premises are borne by the client. TÜV Rheinland will be liable for the loss of test samples or reference samples from the laboratories or warehouses of TÜV Rheinland only in case of gross negligence.

16. Termination of the contract

Notwithstanding clause 3.3 of the GTCB, TÜV Rheinland and the client are entitled to terminate the contract in its entirety or, in the case of services contracted in one contract, each of the combined parts of the contract individually and independently of the continuation of the remaining services with six (6) months' notice to the end of the contractually agreed term. The notice period shall be shortened to six (6) weeks in case of TÜV Rheinland is prevented from performing the services due to a loss or a suspension of its accreditation or notification.

For good causes, TÜV Rheinland may consider giving a written notice to the client to terminate the contract without bearing any liabilities and/or the client shall pay the relevant service fees for the services provided by TÜV Rheinland due to the termination date of the contract. The aforesaid good causes includes but not limited to the following:

a) the client does not immediately notify TÜV Rheinland of any material changes in the conditions within which the company which are relevant for certification or signs of such changes;

b) the client misuses the certificate or certification mark or uses it in violation of the contract;

c) in the event of several consecutive delays in payment (at least three times);

d) a substantial deterioration of the financial circumstances of the client occurs and as a result the payment claims of TÜV Rheinland under the contract are considerably endangered and TÜV Rheinland cannot reasonably be expected to continue the contractual relationship;

e) in the event of any serious misrepresentation, be it by intentional fraud or grossly negligent behavior of the managers, employees or agents of the client;

f) if TÜV Rheinland, in accordance beyond the contract, is not temporarily or finally not able or intended to continue or finalize the performance of the service, e.g. in case of force majeure, government interference, sanctions, loss of accreditation or notification, or other.

If the country/region involved in the contract is subject to a service project in the contract does not belong to the insurance coverage applicable to TÜV Rheinland, and TÜV Rheinland believes that there is a risk or some risks beyond its control to continue to perform the contract.

In the event of termination with written notice by TÜV Rheinland for good cause, TÜV Rheinland shall be entitled to a lump-sum claim for damages against the client if the conditions of a claim for damages exist. In this case, the client shall owe 15% of the remuneration to be paid until the end of the fixed contract term. In the event of termination by the client, the client shall be liable for the damage if there is no damage or a considerably lower damage, TÜV Rheinland reserves the right to prove a considerably higher damage in individual cases.

In the event of termination with written notice by the client, the client shall be liable for the damage if there is no damage or a considerably lower damage, TÜV Rheinland reserves the right to prove a considerably higher damage in individual cases.

TÜV Rheinland shall be entitled to terminate the contract with written notice if the client has not been able to make use of the time windows for auditing /service provision provided by TÜV Rheinland within the scope of a certification procedure and the certificate therefore has to be withdrawn (for example during the performance of monitoring audits). Clause 16.3 applies accordingly.

17. Force Majeure

"Force Majeure" means the occurrence of an event or circumstance that prevents or impedes a Party from performing one or more of its contractual obligations under the contract, if and to the extent that that Party proves: (a) that such impediment is beyond its reasonable control; and (b) that it could not reasonably have been prevented or overcome by the Party. The event or circumstance that the effects of the impediment could not reasonably have been avoided or overcome by the affected Party.

In the absence of proof to the contrary, the following events affecting a Party shall be presumed to fulfill conditions (a) and (b) under paragraph 1 of this Clause: (i) war (whether declared or not), hostilities, invasion, act of foreign enemies, extensive military mobilization; (ii) civil war, riot, rebellion and related disturbances; (iii) epidemic, pandemic, natural disaster or extreme natural event; (iv) piracy; (v) currency and trade restriction, embargo, sanction; (vi) act of authority whether lawful or unlawful, compliance with any law or governmental order, expropriation, seizure of works, equipment, nationalization; (vii) plague, epidemic, natural disaster or extreme natural event; (viii) explosion, fire, destruction of equipment, prolonged breakdown of transport, telecommunication, information system or energy; (ix) general labor disturbance such as boycott, strike and lock-out; or (x) slow, occupation of factories and premises.

The Party successfully invoking this Clause is relieved from its duty to perform its obligations under the contract and from any liability in damages or from any other contractual remedy for breach of contract at the time at which the impediment or its consequences inability to perform, provided that the notice thereof is given without delay. If notice thereof is not given without delay, the relief is effective from the time at which notice thereof reaches the other Party. Where the effect of the impediment or its consequences is temporary, the above conditions shall apply only as long as the impediment involved impedes performance by the affected Party. Where the duration of the impediment involved has the effect of substantially depriving the contracting Parties of what they were reasonably entitled to expect under the contract, either Party has the right to terminate the contract by notification within a reasonable period to the other Party. Unless otherwise agreed, the Parties expressly agree that the contract may be terminated by either Party if the duration of the impediment exceeds 120 days.

18. Hardship

The Parties are bound to perform their contractual duties even if events have rendered performance more onerous than could reasonably have been anticipated at the time of the conclusion of the contract.

Notwithstanding paragraph 1 of this Clause, where a Party proves that:

(a) the continued performance of its contractual duties has become excessively onerous due to an event beyond its reasonable control which it could not reasonably have been expected to have taken into account at the time of the conclusion of the contract; and

(b) it could not reasonably have avoided or overcome the event or its consequences, the Parties are bound, within a reasonable time of the invocation of this Clause, to negotiate alternative contractual terms which reasonably allow to overcome the consequences of the event.

Where Clause 18.2 applies, but where the Parties have been unable to agree alternative contractual terms as provided in that paragraph, the Party invoking this Clause is entitled to terminate the contract, but cannot request adaptation by the judge or arbitrator without the agreement of the other Party.

19. Partial invalidity, written form, place of jurisdiction and dispute resolution

All amendments and supplements must be in writing in order to be effective. This also applies to amendments and supplements to this clause 17.1.

Should one or several of the provisions under the contract and/or these terms and conditions be or become ineffective, the contracting parties shall replace the invalid provision with a legally valid provision that comes closest to the content of the invalid provision in legal and commercial terms.

Unless otherwise stipulated in the contract, the governing law of the contract and these terms and conditions shall be the law of the People's Republic of China.

If TÜV Rheinland in question is legally registered and existing in the People's Republic of China, the contracting parties hereby agree that the contract and these terms and conditions shall be governed by the law of the People's Republic of China.

If TÜV Rheinland in question is legally registered and existing in Taiwan, the contracting parties hereby agree that the contract and these terms and conditions shall be governed by the laws of Taiwan.

If TÜV Rheinland in question is legally registered and existing in Hong Kong, the contracting parties hereby agree that the contract and these terms and conditions shall be governed by the laws of Hong Kong.

Any dispute in connection with the contract and these terms and conditions or the execution thereof shall be settled friendly through negotiations.

Unless otherwise stated in the contract, no agreement or no agreement in respect of the extension of the negotiation period can be reached within two months of the arising of the dispute, the dispute shall be submitted.

In the case of TÜV Rheinland in question being legally registered and existing in the People's Republic of China, to China International Economic and Trade Arbitration Commission (CIETAC) to be settled by arbitration under the Arbitration Rules of CIETAC in force when the arbitration is submitted. The arbitration shall take place in Beijing, Shanghai, Shenzhen or Chongqing as appropriately chosen by the claiming party.

In the case of TÜV Rheinland in question being legally registered and existing in Taiwan, to Chinese Arbitration Association (CAA) to be settled by arbitration in accordance with its then current Rules of Arbitration. The arbitration shall take place in Taipei.

In the case of TÜV Rheinland in question being legally registered and existing in Hong Kong, to Hong Kong International Arbitration Centre (HKIAC) to be settled by arbitration under the arbitration under the Administered Arbitration Rules in force when the Notice of Arbitration is submitted in accordance with these rules. The arbitration shall take place in Hong Kong.

The decision of the relevant arbitration shall be final and binding on both parties. The arbitration fee shall be borne by the losing party.