Test Report No.: 48.400.24.1263.01-00/09

Dated: 2024-11-11

Applicant:	Jiangsu Acrel Electrical Manufacturing. Co., Ltd.
Address:	No. 5, Dongmeng Road, Nanzha Street, Jiangyin, Jiangsu, P. R. China
Attn:	Han Zhonghua
Sample Description:	Meter
Model No.:	AMC
Sample Received Date:	2024-10-14
Test Period:	2024-10-14~2024-10-31
Test Location:	TÜV SÜD Certification and Testing (China) Co., Ltd. Shanghai Branch, SHA Chemical Lab.
Purpose of examination:	Verification of RoHS (Restriction of Hazardous Substances) directive 2011/65/EU and its amendment (EU) 2015/863 on submitted samples
Test Results:	Refer to following page(s)
Remark:	- The result relates only to the items tested. - The reference model(s) was declared by client. - The test sample(s) and item(s) was specified by client.

TüV SüD Certification and Testing (China) Co., Ltd.
TüV SüD Group

Prepared by: Reviewed by:

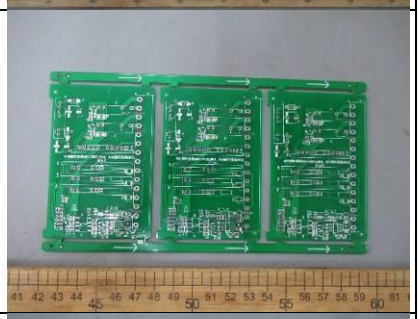
Mr. Yiwei CHEN Mr. Feng ZHANG

Disclaimer Measurement Uncertainty:Unless otherwise agreed upon, Pass or Fail verdicts are given base on the measured values without any considerations of measurement uncertainties.Please note, every test method has a measurement uncertainty which has been evaluated by the laboratory according to ISO/IEC 17025 requirements. By taking measurement uncertainties into account it might happen that measured values can neither be assessed as Pass nor as FailAny use for advertising purposes must be granted in writing. This test report may only be quoted in full. This report is the result of a single examination of the object in question and is not generally applicable evaluation of the quality of other products in regular production. For further details, please see testing and certification regulation, chapter A-3.4.

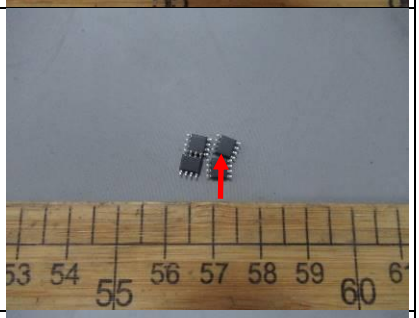
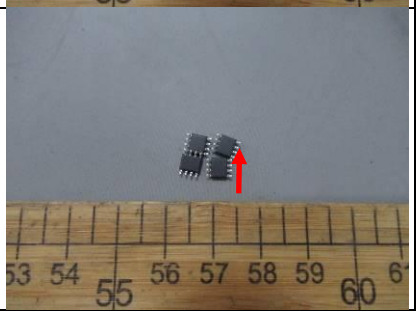
SUMMARY OF TEST RESULTS

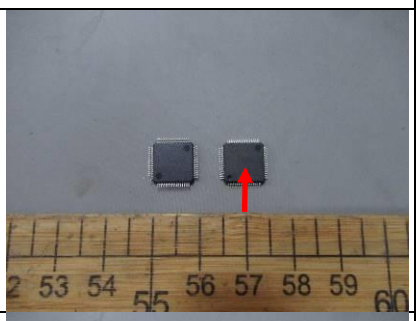
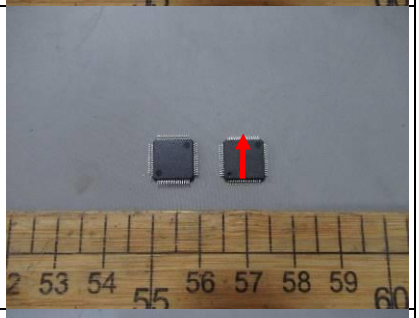
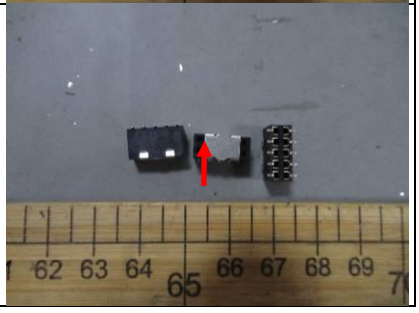
No.	Test Requested	Conclusion	Remarks
1.	Heavy Metal (Pb, Cd, Hg and Cr VI) Content	**PASS**	
2.	Polybrominated Biphenyls (PBBs) and Polybrominated Diphenyl Ethers (PBDEs) Content	**PASS**	
3.	Phthalates (DEHP, BBP, DBP and DIBP) Content	**PASS**	

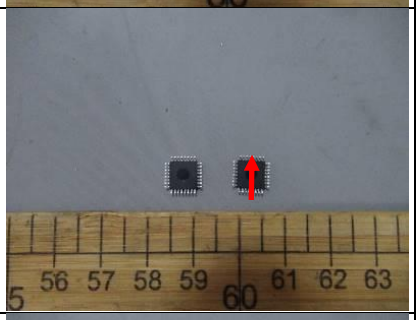
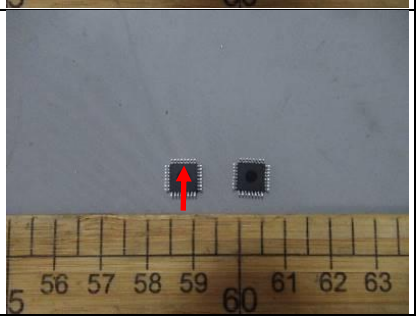
1. TESTED SUBJECT DESCRIPTION

Sample No.	Description (Material, colour)	Photograph/Location
01	Transparent soft plastic inflatable bag, CQD QT-13L237(96)(CQD-280*215-Q-01)	
02	Brown paper packing box, B/ZH-170×150×125-J01(A)	
03	Green hard PCB, KB	
04	black resistance, CR_0603_0R_J	
05	black resistance, CR_0603_10k_F_100ppm	

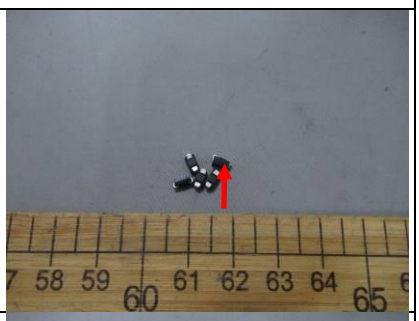
Sample No.	Description (Material, colour)	Photograph/Location
06	Brown capacitor, CC_0603_0.1uF_50V	
07	Brown capacitor, CC_0805_10uF_16V	
08	black resistance, RZ_10P8_10k_J	
09	Golden diode, LL4148-SMD	
10	Black triode, 9013	

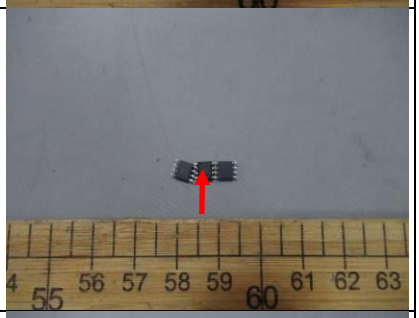
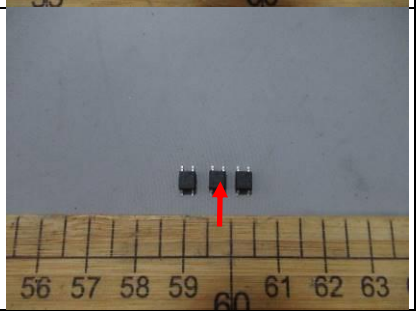
Sample No.	Description (Material, colour)	Photograph/Location
11	Black hard IC, TLV70033DDCR	
12	Black hard IC, HT1621B/HOLTEK	
13	Silver metal pin	
14	Black hard IC, MB85RC16	
15	Silver metal pin	

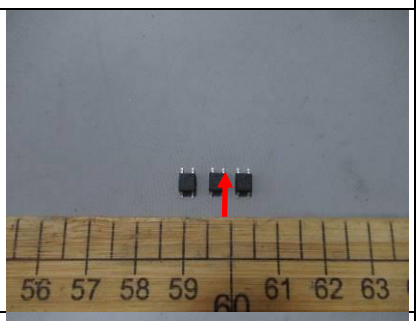
Sample No.	Description (Material, colour)	Photograph/Location
16	Black hard IC, STM32F401RCT6	
17	Silver metal pin	
18	Black hard IC, XN_3225_12MHz_20pF_20ppm	
19	Black hard plastic frame, 22N8572-10M00B-01G-6.7-C	
20	Silver metal pin	

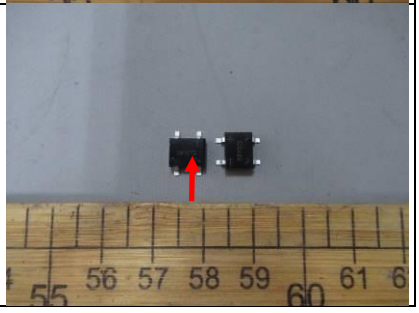
Sample No.	Description (Material, colour)	Photograph/Location
21	Gray capacitor, CC_0603_2.2uF_25V	
22	Black metal magnetic beads FB_0603_100mA_1k	
23	Black diode, BAV199LT1G	
24	Black hard IC, RN7302	
25	Silver metal pin	

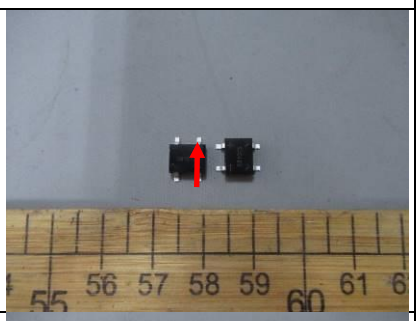
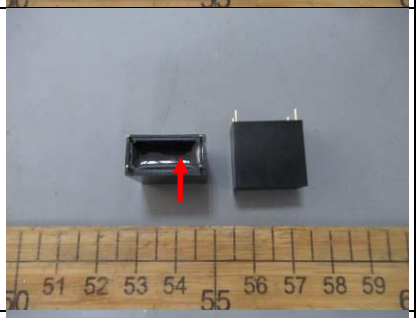
Sample No.	Description (Material, colour)	Photograph/Location
26	Silvery metal crystal oscillator, XN_SMD49_8.192MHz_20pF_20ppm	
27	Silver metal pin	
28	Black hard plastic cover	
29	Black triode, 8050-SMD	
30	Black diode, RS1D	

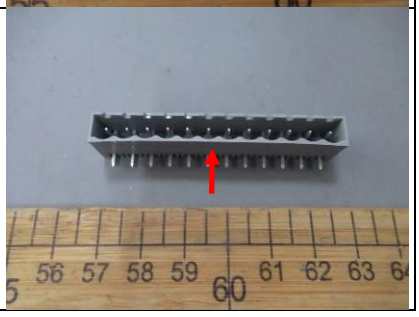
Sample No.	Description (Material, colour)	Photograph/Location
31	Silver metal pin	
32	Black diode, SS310-SMD	
33	Black diode, SMAJ5.0A	
34	Silver metal pin	
35	Black hard IC, AMS431AM(BM)-SMD	

Sample No.	Description (Material, colour)	Photograph/Location
36	Black hard IC, 78L05-SMD(KIA78L05)LM78L05F)	
37	Silver metal pin	
38	Black hard IC, ISL3152EIBZ-T	
39	Silver metal pin	
40	Black optocoupler, LTV-356T-B	

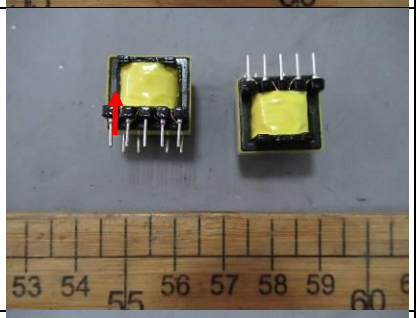
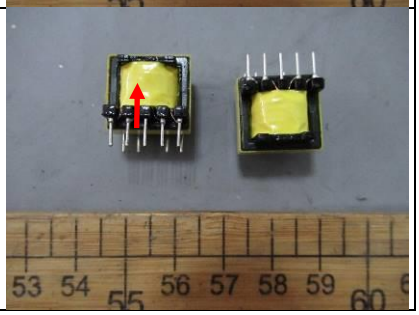
Sample No.	Description (Material, colour)	Photograph/Location
41	Silver metal pin	
42	Silvery aluminum shell, CD_6.3X7.7_100uF_35V	
43	Silver metal pin	
44	Gray soft plastic film	
45	Black rubber cushion	

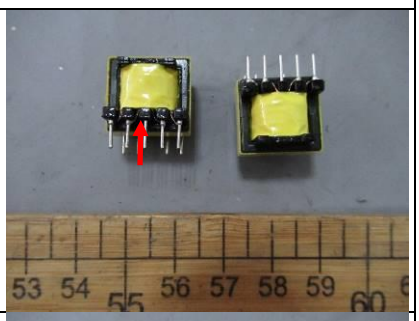
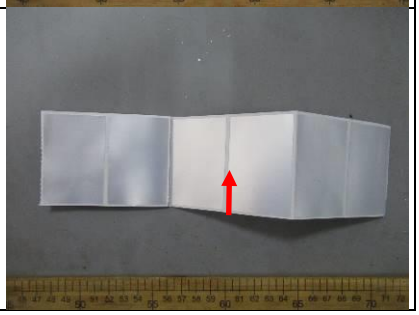
Sample No.	Description (Material, colour)	Photograph/Location
46	Silvery aluminum shell, CD_6.3X7.7_220uF_16V	
47	Black rubber cushion	
48	Gray soft plastic film	
49	Silver metal pin	
50	Black bridge chip, DB107S	

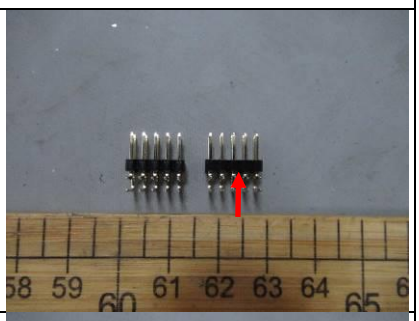
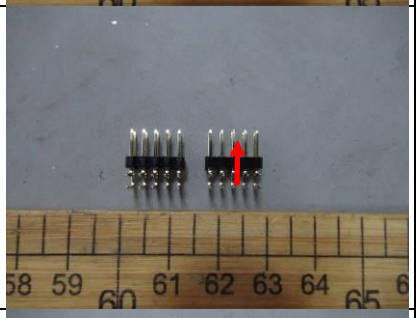
Sample No.	Description (Material, colour)	Photograph/Location
51	Silver metal pin	
52	Black inductance, PCD0503MT3R3(5.8*5.2*3 3.3μH 2.8A)(±20%)	
53	Black hard plastic current transformer, CT-E 5A:2.5mA	
54	Black hard plastic potting compound	
55	Silvery metal Iron core	

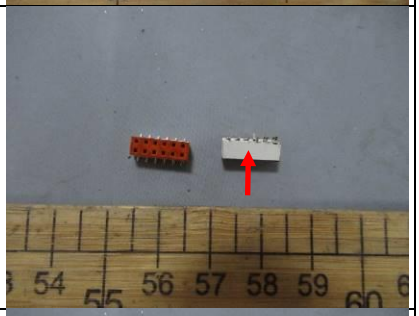
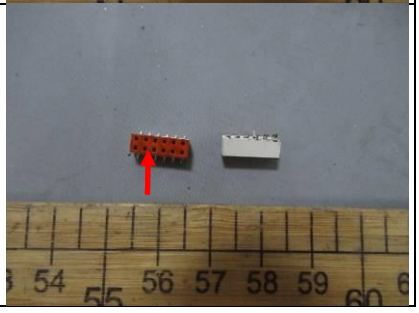
Sample No.	Description (Material, colour)	Photograph/Location
56	White hard plastic frame	
57	Blue soft plastic adhesive tape	
58	Black hard power chip, TNY286PG	
59	Silver metal pin	
60	Gray hard plastic socket, BCH-508HS-12	

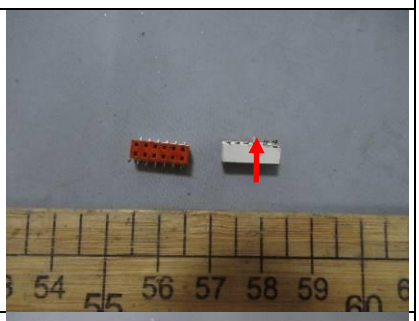
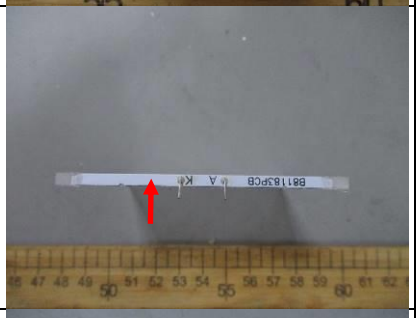
Sample No.	Description (Material, colour)	Photograph/Location
61	Silver metal pin	
62	Green metal wave filter, 47 μ H/40m Ω	
63	Golden metal wire	
64	Translucent hard plastic plate	
65	Black hard plastic base	

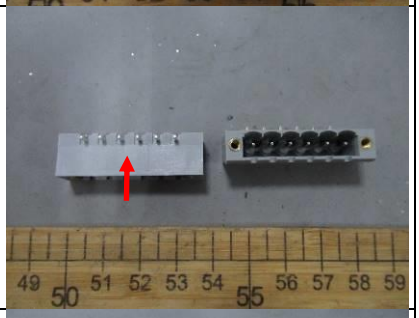
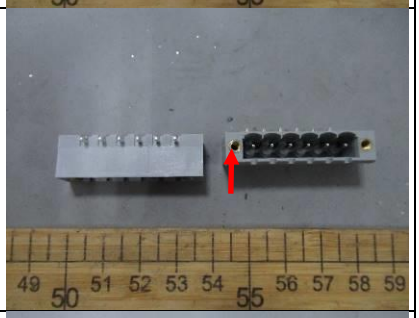
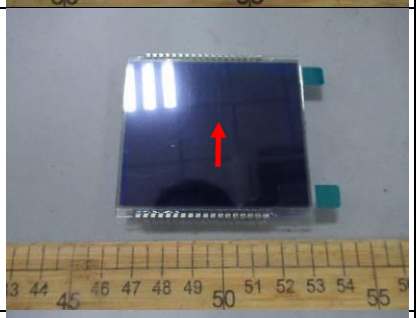
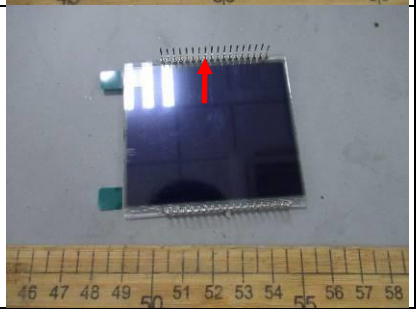
Sample No.	Description (Material, colour)	Photograph/Location
66	Silver metal pin	
67	green resistance, RM-12D-55mA	
68	Silver metal pin	
69	Black metal magnet, EE16-51515-2	
70	Yellow soft plastic adhesive tape	

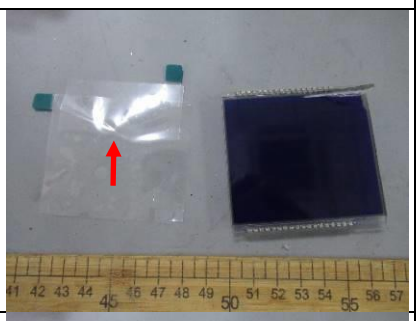
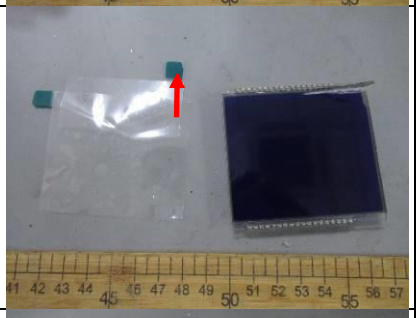
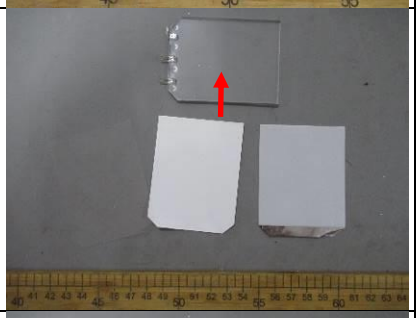
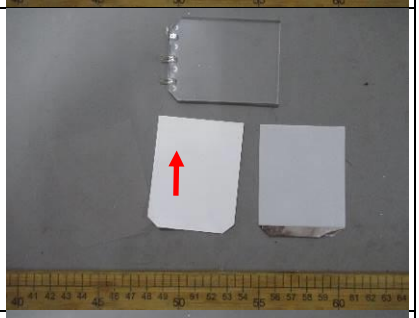
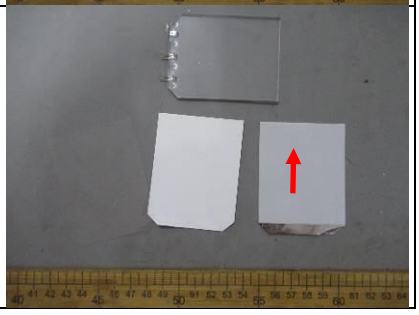
Sample No.	Description (Material, colour)	Photograph/Location
71	Black hard plastic base	
72	Silver metal pin	
73	Golden metal wire	
74	Yellow soft plastic label	
75	Silvery soft plastic label	

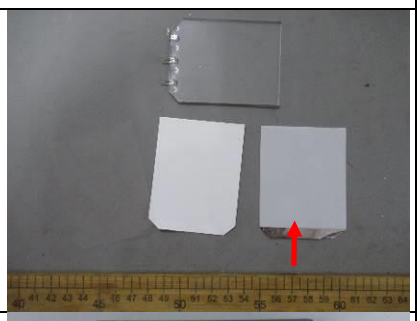
Sample No.	Description (Material, colour)	Photograph/Location
76	Black hard plastic bracket, 21B22564-10D10B-01G-6/3/1.5	
77	Silver metal pin	
78	Black hard plastic socket, BCH-508HF-10	
79	Silver metal pin	
80	Golden copper alloy nut	

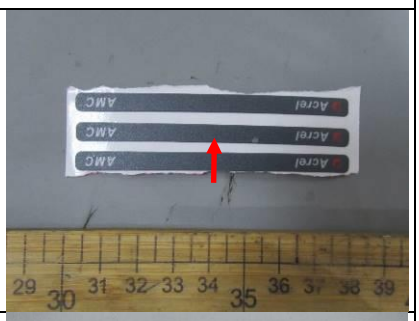
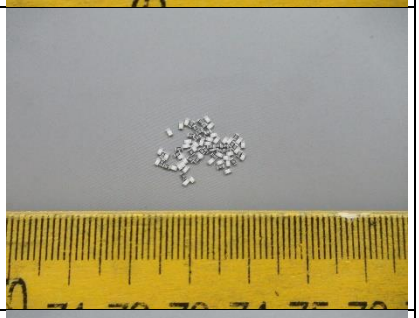
Sample No.	Description (Material, colour)	Photograph/Location
81	Gray hard plastic plug, BCP-508F-10	
82	Silvery metal screw	
83	Silvery copper alloy bracket	
84	Beige hard plastic pai Mu, FFD2400H05ANA08	
85	Red soft plastic cushion	

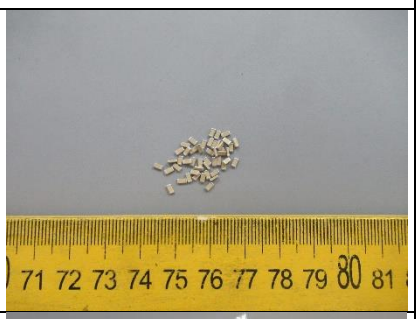
Sample No.	Description (Material, colour)	Photograph/Location
86	Silver metal pin	
87	White hard PCB	
88	Yellow hard LED	
89	Silver metal pin	
90	Beige hard plastic bracket, QFB2201P05ANA01	

Sample No.	Description (Material, colour)	Photograph/Location
91	Golden metal pin	
92	Gray hard plastic socket, 2EDGRM-5.0-06P-11-101AH	
93	Silvery copper alloy nut	
94	Blue glass display, NSTN8524FLNT(DU)/T-3.3V(PZ96L)	
95	Silver metal pin	

Sample No.	Description (Material, colour)	Photograph/Location
96	Transparent soft plastic film	
97	Blue soft plastic film	
98	Transparent hard plastic backlight panel, 3.3V-W-72.5X56-01	
99	White soft plastic film	
100	Translucent soft plastic film	

Sample No.	Description (Material, colour)	Photograph/Location
101	Silvery soft plastic film	
102	Gray hard plastic cover, KT-96II-S05-T-Z-01	
103	Black hard plastic button	
104	Transparent hard plastic cover	
105	Gray hard plastic component	

Sample No.	Description (Material, colour)	Photograph/Location
106	Gray soft plastic label	
107	Black chip resistor	
108	Black chip resistor	
109	Black chip resistor	
110	Brown chip capacitor	

Sample No.	Description (Material, colour)	Photograph/Location
111	Yellow chip capacitor	
112	Transparent soft plastic bag	
113	Green soft plastic component	
114	Brown paper box	
115	White paper label	

2. TEST RESULT(S)

2.1 SCREENING TEST

Test method: With reference to EN 62321-1:2013, EN IEC 62321-2:2021, EN 62321-3-1:2014 and EN 62321-8:2017.
For Heavy Metals and Flame Retardants, analyzed by Energy Dispersive X-ray Fluorescence Spectrometer (XRF); for phthalates, analyzed by Gas Chromatography and Mass Spectrometer (GC-MS).

Sample No.	Heavy Metals and Flame Retardants					Phthalates			
	Cd	Pb	Hg	Cr	Br	DEHP	BBP	DBP	DIBP
01	BL	BL	BL	BL	BL	BL	BL	BL	BL
02	BL	BL	BL	BL	BL	BL	BL	BL	BL
03	BL	BL	BL	BL	Inc.[a]	BL	BL	BL	BL
04	BL	BL	BL	BL	BL	BL	BL	BL	BL
05	BL	Inc.[a]	BL	BL	BL	BL	BL	BL	BL
06	BL	BL	BL	BL	BL	BL	BL	BL	BL
07	BL	BL	BL	BL	BL	BL	BL	BL	BL
08	BL	Inc.[a]	BL	BL	BL	BL	BL	BL	BL
09	BL	Inc.[a]	BL	BL	BL	BL	BL	BL	BL
10	BL	BL	BL	BL	BL	BL	BL	BL	BL
11	BL	BL	BL	BL	BL	BL	BL	BL	BL
12	BL	BL	BL	BL	BL	BL	BL	BL	BL
13	BL	BL	BL	BL	NA	NA	NA	NA	NA
14	BL	BL	BL	BL	Inc.[a]	BL	BL	BL	BL
15	BL	BL	BL	BL	NA	NA	NA	NA	NA
16	BL	BL	BL	BL	BL	BL	BL	BL	BL
17	BL	BL	BL	BL	NA	NA	NA	NA	NA
18	BL	BL	BL	BL	BL	BL	BL	BL	BL
19	BL	BL	BL	BL	Inc.[a]	BL	BL	BL	BL
20	BL	BL	BL	Inc.[a]	NA	NA	NA	NA	NA

Sample No.	Heavy Metals and Flame Retardants					Phthalates			
	Cd	Pb	Hg	Cr	Br	DEHP	BBP	DBP	DIBP
21	BL	BL	BL	BL	BL	BL	BL	BL	BL
22	BL	BL	BL	BL	NA	NA	NA	NA	NA
23	BL	BL	BL	BL	BL	BL	BL	BL	BL
24	BL	BL	BL	BL	BL	BL	BL	BL	BL
25	BL	BL	BL	BL	NA	NA	NA	NA	NA
26	BL	BL	BL	BL	NA	NA	NA	NA	NA
27	BL	BL	BL	BL	NA	NA	NA	NA	NA
28	BL	BL	BL	BL	BL	BL	BL	BL	BL
29	BL	BL	BL	BL	BL	BL	BL	BL	BL
30	BL	BL	BL	BL	BL	BL	BL	BL	BL
31	BL	BL	BL	BL	NA	NA	NA	NA	NA
32	BL	BL	BL	BL	BL	BL	BL	BL	BL
33	BL	BL	BL	BL	BL	BL	BL	BL	BL
34	BL	BL	BL	BL	NA	NA	NA	NA	NA
35	BL	BL	BL	BL	BL	BL	BL	BL	BL
36	BL	BL	BL	BL	BL	BL	BL	BL	BL
37	BL	BL	BL	BL	NA	NA	NA	NA	NA
38	BL	BL	BL	BL	BL	BL	BL	BL	BL
39	BL	BL	BL	BL	NA	NA	NA	NA	NA
40	BL	BL	BL	BL	BL	BL	BL	BL	BL
41	BL	BL	BL	BL	NA	NA	NA	NA	NA
42	BL	BL	BL	BL	NA	NA	NA	NA	NA
43	BL	BL	BL	BL	NA	NA	NA	NA	NA
44	BL	BL	BL	BL	BL	BL	BL	BL	BL

Sample No.	Heavy Metals and Flame Retardants					Phthalates			
	Cd	Pb	Hg	Cr	Br	DEHP	BBP	DBP	DIBP
45	BL	BL	BL	BL	BL	BL	BL	BL	BL
46	BL	BL	BL	BL	NA	NA	NA	NA	NA
47	BL	BL	BL	BL	BL	BL	BL	BL	BL
48	BL	BL	BL	BL	BL	BL	BL	BL	BL
49	BL	BL	BL	BL	NA	NA	NA	NA	NA
50	BL	BL	BL	BL	BL	BL	BL	BL	BL
51	BL	BL	BL	BL	NA	NA	NA	NA	NA
52	BL	BL	BL	BL	NA	NA	NA	NA	NA
53	BL	BL	BL	BL	**Inc.**[(a)]	BL	BL	BL	BL
54	BL	BL	BL	BL	**Inc.**[(a)]	BL	BL	BL	BL
55	BL	BL	BL	BL	NA	NA	NA	NA	NA
56	BL	BL	BL	BL	**Inc.**[(a)]	BL	BL	BL	BL
57	BL	BL	BL	BL	BL	BL	BL	BL	BL
58	BL	BL	BL	BL	BL	BL	BL	BL	BL
59	BL	BL	BL	BL	NA	NA	NA	NA	NA
60	BL	BL	BL	BL	BL	BL	BL	BL	BL
61	BL	BL	BL	BL	NA	NA	NA	NA	NA
62	BL	BL	BL	BL	NA	NA	NA	NA	NA
63	BL	BL	BL	BL	NA	NA	NA	NA	NA
64	BL	BL	BL	BL	**Inc.**[(a)]	BL	BL	BL	BL
65	BL	BL	BL	BL	**Inc.**[(a)]	BL	BL	BL	BL
66	BL	BL	BL	BL	NA	NA	NA	NA	NA
67	BL	BL	BL	BL	BL	BL	BL	BL	BL
68	BL	BL	BL	BL	NA	NA	NA	NA	NA

Sample No.	Heavy Metals and Flame Retardants					Phthalates			
	Cd	Pb	Hg	Cr	Br	DEHP	BBP	DBP	DIBP
69	BL	BL	BL	BL	NA	NA	NA	NA	NA
70	BL	BL	BL	BL	BL	BL	BL	BL	BL
71	BL	BL	BL	BL	BL	BL	BL	BL	BL
72	BL	BL	BL	BL	NA	NA	NA	NA	NA
73	BL	BL	BL	BL	NA	NA	NA	NA	NA
74	BL	BL	BL	BL	BL	BL	BL	BL	BL
75	BL	BL	BL	BL	BL	BL	BL	BL	BL
76	BL	BL	BL	BL	**Inc.**[(a)]	BL	BL	BL	BL
77	BL	BL	BL	BL	NA	NA	NA	NA	NA
78	BL	BL	BL	BL	BL	BL	BL	BL	BL
79	BL	BL	BL	BL	NA	NA	NA	NA	NA
80	BL	BL	BL	BL	NA	NA	NA	NA	NA
81	BL	BL	BL	BL	BL	BL	BL	BL	BL
82	BL	BL	BL	**Inc.**[(a)]	NA	NA	NA	NA	NA
83	BL	**Inc.**[(a)]	BL	BL	NA	NA	NA	NA	NA
84	BL	BL	BL	BL	**Inc.**[(a)]	BL	BL	BL	BL
85	BL	BL	BL	BL	BL	BL	BL	BL	BL
86	BL	BL	BL	BL	NA	NA	NA	NA	NA
87	BL	BL	BL	BL	**Inc.**[(a)]	BL	BL	BL	BL
88	BL	BL	BL	BL	BL	BL	BL	BL	BL
89	BL	BL	BL	BL	NA	NA	NA	NA	NA
90	BL	BL	BL	BL	**Inc.**[(a)]	BL	BL	BL	BL
91	BL	BL	BL	BL	NA	NA	NA	NA	NA
92	BL	BL	BL	BL	BL	BL	BL	BL	BL

Sample No.	Heavy Metals and Flame Retardants					Phthalates			
	Cd	Pb	Hg	Cr	Br	DEHP	BBP	DBP	DIBP
93	BL	**Inc.[a]**	BL	BL	NA	NA	NA	NA	NA
94	BL	BL	BL	BL	NA	NA	NA	NA	NA
95	BL	BL	BL	BL	NA	NA	NA	NA	NA
96	BL	BL	BL	BL	BL	BL	BL	BL	BL
97	BL	BL	BL	BL	BL	BL	BL	BL	BL
98	BL	BL	BL	BL	BL	BL	BL	BL	BL
99	BL	BL	BL	BL	BL	BL	BL	BL	BL
100	BL	BL	BL	BL	BL	BL	BL	BL	BL
101	BL	BL	BL	BL	BL	BL	BL	BL	BL
102	BL	BL	BL	BL	**Inc.[a]**	BL	BL	BL	BL
103	BL	BL	BL	BL	BL	BL	BL	BL	BL
104	BL	BL	BL	BL	BL	BL	BL	BL	BL
105	BL	BL	BL	BL	BL	BL	BL	BL	BL
106	BL	BL	BL	BL	BL	BL	BL	BL	BL
107	BL	BL	BL	BL	BL	BL	BL	BL	BL
108	BL	**Inc.[a]**	BL	BL	BL	BL	BL	BL	BL
109	BL	BL	BL	BL	BL	BL	BL	BL	BL
110	BL	BL	BL	BL	BL	BL	BL	BL	BL
111	BL	BL	BL	BL	BL	BL	BL	BL	BL
112	BL	BL	BL	BL	BL	BL	BL	BL	BL
113	BL	BL	BL	BL	BL	BL	BL	BL	BL
114	BL	BL	BL	BL	BL	BL	BL	BL	BL
115	BL	BL	BL	BL	BL	BL	BL	BL	BL

Remark:

- "BL" denotes below limit
- "OL" denotes over limit
- "Inc." denotes inconclusive
- "NA" denotes not applicable
- "(a)" denotes further confirmation test was conducted, results are listed in 2.2 and 2.3.
- XRF screening limits in mg/kg for regulated elements in various matrices

ELEMENT	POLYMER		
	BL	INCONCLUSIVE	OL
Cd	X≤(70-3σ)	(70-3σ)<X<(130+3σ)	X≥(130+3σ)
Pb	X≤(700-3σ)	(700-3σ)<X<(1300+3σ)	X≥(1300+3σ)
Hg	X≤(700-3σ)	(700-3σ)<X<(1300+3σ)	X≥(1300+3σ)
Br	X≤(300-3σ)	X>(300-3σ)	NA
Cr	X≤(700-3σ)	X>(700-3σ)	NA

ELEMENT	METAL		
	BL	INCONCLUSIVE	OL
Cd	X≤(70-3σ)	(70-3σ)<X<(130+3σ)	X≥(130+3σ)
Pb	X≤(700-3σ)	(700-3σ)<X<(1300+3σ)	X≥(1300+3σ)
Hg	X≤(700-3σ)	(700-3σ)<X<(1300+3σ)	X≥(1300+3σ)
Cr	X≤(700-3σ)	X>(700-3σ)	NA

ELEMENT	COMPLEX MATERIAL		
	BL	INCONCLUSIVE	OL
Cd	X≤(50-3σ)	(50-3σ)<X<(150+3σ)	X≥(150+3σ)
Pb	X≤(500-3σ)	(500-3σ)<X<(1500+3σ)	X≥(1500+3σ)
Hg	X≤(500-3σ)	(500-3σ)<X<(1500+3σ)	X≥(1500+3σ)
Br	X≤(250-3σ)	X>(250-3σ)	NA
Cr	X≤(500-3σ)	X>(500-3σ)	NA

- Screening limits in mg/kg for regulated phthalates in various matrices

PHTHALATES	BL	INCONCLUSIVE
DEHP	X<600	X≥ 600
BBP	X<600	X≥ 600
DBP	X<600	X≥ 600
DIBP	X<600	X≥ 600

2.2 HEAVY METAL CONTENT

Test method: With reference to EN 62321-4:2014 /A1:2017, EN 62321-5:2014, EN 62321-7-1:2015 and EN 62321-7-2:2017, analyzed by Inductively Coupled Plasma Optical Emission Spectrometer (ICP-OES) and Ultraviolet–visible spectrophotometer (UV-Vis).
[Reporting Limit: 2.0 mg/kg for Cadmium; 5.0 mg/kg or 0.10 μg/cm² for Hexavalent Chromium, 10.0 mg/kg for Lead and Mercury.]

Sample No.	Result(s)				
	Total Cadmium	Hexavalent Chromium	Hexavalent Chromium	Total Mercury	Total Lead
05	--	--	--	--	**3105.0[(d)]**
08	--	--	--	--	**3948.0[(d)]**
09	--	--	--	--	**114418.0[(d)]**
20	--	/	Negative	--	--
82	--	/	Negative	--	--
83	--	--	--	--	**2420.0[(c)]**
93	--	--	--	--	**19478.0[(c)]**
108	--	--	--	--	**1974.0[(d)]**
Unit	mg/kg	mg/kg	μg/cm²	mg/kg	mg/kg
RoHS Requirement	100	1000	Negative[#]	1000	1000

Remark:

- "mg/kg" denotes milligram per kilogram
- "μg/cm²" denotes micrograms per square centimeter
- "<" denotes less than
- "Positive" denotes the absorbance value of sample is > 0.13 μg/cm², the sample is considered to be positive for Hexavalent Chromium.
- "Inconclusive" denotes the absorbance value of sample is ≥ 0.10 μg/cm² and ≤ 0.13 μg/cm², the sample is considered to be Inconclusive for Hexavalent Chromium.
- "Negative" denotes the absorbance value of sample is < 0.10 μg/cm², the sample is considered to be negative for Hexavalent Chromium.
- "[#]" According to DIRECTIVE 2011/65/EU Article 4(1) and Annex II. While, positive means the presence of CrVI on tested areas and the result(s) was (were) regarded as in conflict with European Parliament and Council Directive 2011/65/EU, Article 4(1) and Annex II.
- "--" denotes tested by XRF, result is listed in 2.1
- "[(c)]" denotes the exempt item according to DIRECTIVE 2011/65/EU Annex III item 6(a) (b) (c) "Lead as an alloying element in steel for machining purposes and in galvanised steel containing up to 0,35 % lead by weight. Alloying element in aluminium containing up to 0,4 % lead by weight. Copper alloy containing up to 4 % lead by weight".
- "[(d)]" denotes the exempt item according to DIRECTIVE 2011/65/EU Annex III item 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".

2.3 POLYBROMINATED BIPHENYLS (PBBs) AND POLYBROMINATED DIPHENYL ETHERS (PBDEs) CONTENT

Test Method: With reference to EN 62321-6:2015, extracted by toluene and analyzed by Gas Chromatography and Mass Spectrometer (GC-MS). [Reporting Limit : 5 mg/kg]

Test Item		Result(s) [mg/kg]					RoHS Requirement [mg/kg]
PBBs	Monobromobiphenyl	<5	<5	<5	<5	<5	-
	Dibromobiphenyl	<5	<5	<5	<5	<5	-
	Tribromobiphenyl	<5	<5	<5	<5	<5	-
	Tetrabromobiphenyl	<5	<5	<5	<5	<5	-
	Pentabromobiphenyl	<5	<5	<5	<5	<5	-
	Hexabromobiphenyl	<5	<5	<5	<5	<5	-
	Heptabromobiphenyl	<5	<5	<5	<5	<5	-
	Octabromobiphenyl	<5	<5	<5	<5	<5	-
	Nonabromobiphenyl	<5	<5	<5	<5	<5	-
	Decabromobiphenyl	<5	<5	<5	<5	<5	-
	Sum of detected PBBs	<50	<50	<50	<50	<50	1000
PBDEs	Monobromodiphenyl ether	<5	<5	<5	<5	<5	-
	Dibromodiphenyl ether	<5	<5	<5	<5	<5	-
	Tribromodiphenyl ether	<5	<5	<5	<5	<5	-
	Tetrabromodiphenyl ether	<5	<5	<5	<5	<5	-
	Pentabromodiphenyl ether	<5	<5	<5	<5	<5	-
	Hexabromodiphenyl ether	<5	<5	<5	<5	<5	-
	Heptabromodiphenyl ether	<5	<5	<5	<5	<5	-
	Octabromodiphenyl ether	<5	<5	<5	<5	<5	-
	Nonabromodiphenyl ether	<5	<5	<5	<5	<5	-
	Decabromodiphenyl ether	<5	<5	<5	<5	<5	-
	Sum of detected PBDEs	<50	<50	<50	<50	<50	1000

2.3 POLYBROMINATED BIPHENYLS (PBBs) AND POLYBROMINATED DIPHENYL ETHERS (PBDEs) CONTENT

Test Method: With reference to EN 62321-6:2015, extracted by toluene and analyzed by Gas Chromatography and Mass Spectrometer (GC-MS). [Reporting Limit : 5 mg/kg]

Test Item		Result(s) [mg/kg]					RoHS Requirement [mg/kg]
		03	14	19	53	54	
PBBs	Monobromobiphenyl	<5	<5	<5	<5	<5	-
	Dibromobiphenyl	<5	<5	<5	<5	<5	-
	Tribromobiphenyl	<5	<5	<5	<5	<5	-
	Tetrabromobiphenyl	<5	<5	<5	<5	<5	-
	Pentabromobiphenyl	<5	<5	<5	<5	<5	-
	Hexabromobiphenyl	<5	<5	<5	<5	<5	-
	Heptabromobiphenyl	<5	<5	<5	<5	<5	-
	Octabromobiphenyl	<5	<5	<5	<5	<5	-
	Nonabromobiphenyl	<5	<5	<5	<5	<5	-
	Decabromobiphenyl	<5	<5	<5	<5	<5	-
	Sum of detected PBBs	<50	<50	<50	<50	<50	1000
PBDEs	Monobromodiphenyl ether	<5	<5	<5	<5	<5	-
	Dibromodiphenyl ether	<5	<5	<5	<5	<5	-
	Tribromodiphenyl ether	<5	<5	<5	<5	<5	-
	Tetrabromodiphenyl ether	<5	<5	<5	<5	<5	-
	Pentabromodiphenyl ether	<5	<5	<5	<5	<5	-
	Hexabromodiphenyl ether	<5	<5	<5	<5	<5	-
	Heptabromodiphenyl ether	<5	<5	<5	<5	<5	-
	Octabromodiphenyl ether	<5	<5	<5	<5	<5	-
	Nonabromodiphenyl ether	<5	<5	<5	<5	<5	-
	Decabromodiphenyl ether	<5	<5	<5	<5	<5	-
	Sum of detected PBDEs	<50	<50	<50	<50	<50	1000

2.3 POLYBROMINATED BIPHENYLS (PBBs) AND POLYBROMINATED DIPHENYL ETHERS (PBDEs) CONTENT

Test Method: With reference to EN 62321-6:2015, extracted by toluene and analyzed by Gas Chromatography and Mass Spectrometer (GC-MS). [Reporting Limit : 5 mg/kg]

Test Item		Result(s) [mg/kg]					RoHS Requirement [mg/kg]
		56	64	65	76	84	
PBBs	Monobromobiphenyl	<5	<5	<5	<5	<5	-
	Dibromobiphenyl	<5	<5	<5	<5	<5	-
	Tribromobiphenyl	<5	<5	<5	<5	<5	-
	Tetrabromobiphenyl	<5	<5	<5	<5	<5	-
	Pentabromobiphenyl	<5	<5	<5	<5	<5	-
	Hexabromobiphenyl	<5	<5	<5	<5	<5	-
	Heptabromobiphenyl	<5	<5	<5	<5	<5	-
	Octabromobiphenyl	<5	<5	<5	<5	<5	-
	Nonabromobiphenyl	<5	<5	<5	<5	<5	-
	Decabromobiphenyl	<5	<5	<5	<5	<5	-
	Sum of detected PBBs	<50	<50	<50	<50	<50	1000
PBDEs	Monobromodiphenyl ether	<5	<5	<5	<5	<5	-
	Dibromodiphenyl ether	<5	<5	<5	<5	<5	-
	Tribromodiphenyl ether	<5	<5	<5	<5	<5	-
	Tetrabromodiphenyl ether	<5	<5	<5	<5	<5	-
	Pentabromodiphenyl ether	<5	<5	<5	<5	<5	-
	Hexabromodiphenyl ether	<5	<5	<5	<5	<5	-
	Heptabromodiphenyl ether	<5	<5	<5	<5	<5	-
	Octabromodiphenyl ether	<5	<5	<5	<5	<5	-
	Nonabromodiphenyl ether	<5	<5	<5	<5	<5	-
	Decabromodiphenyl ether	<5	<5	<5	<5	<5	-
	Sum of detected PBDEs	<50	<50	<50	<50	<50	1000

2.3 POLYBROMINATED BIPHENYLS (PBBs) AND POLYBROMINATED DIPHENYL ETHERS (PBDEs) CONTENT

Test Method: With reference to EN 62321-6:2015, extracted by toluene and analyzed by Gas Chromatography and Mass Spectrometer (GC-MS). [Reporting Limit : 5 mg/kg]

Test Item		Result(s) [mg/kg]			RoHS Requirement [mg/kg]
		87	90	102	
PBBs	Monobromobiphenyl	<5	<5	<5	-
	Dibromobiphenyl	<5	<5	<5	-
	Tribromobiphenyl	<5	<5	<5	-
	Tetrabromobiphenyl	<5	<5	<5	-
	Pentabromobiphenyl	<5	<5	<5	-
	Hexabromobiphenyl	<5	<5	<5	-
	Heptabromobiphenyl	<5	<5	<5	-
	Octabromobiphenyl	<5	<5	<5	-
	Nonabromobiphenyl	<5	<5	<5	-
	Decabromobiphenyl	<5	<5	<5	-
	Sum of detected PBBs	<50	<50	<50	1000
PBDEs	Monobromodiphenyl ether	<5	<5	<5	-
	Dibromodiphenyl ether	<5	<5	<5	-
	Tribromodiphenyl ether	<5	<5	<5	-
	Tetrabromodiphenyl ether	<5	<5	<5	-
	Pentabromodiphenyl ether	<5	<5	<5	-
	Hexabromodiphenyl ether	<5	<5	<5	-
	Heptabromodiphenyl ether	<5	<5	<5	-
	Octabromodiphenyl ether	<5	<5	<5	-
	Nonabromodiphenyl ether	<5	<5	<5	-
	Decabromodiphenyl ether	<5	<5	<5	-
	Sum of detected PBDEs	<50	<50	<50	1000

Remark:

- "mg/kg" denotes milligram per kilogram
- "<" denotes less than

APPENDIX I: Product Model

Product: Meter	Test model: AMC
	
Additional models: AMC72, AMC96, AMC300, AMC300L, AMC200, AMC200L, AMC72L, AMC96L	

Remark:

1. The report covers material testing on specified samples.
2. The tested materials covered by the report were declared by the manufacturer to be used on the additional model.

--END OF REPORT--