

Verification Report No.: CANEC23016596801 Date: Jan 05, 2024 Page 1 of 14

BELKIN INTERNATIONAL INC. Client Name:

Client Address: 555 S. AVIATION BLVD., SUITE 180, EL SEGUNDO, CA 90245-4852, USA

Sample Name: Universal USB-C 8-in-1 Dual Display Core Hub

Tested Basic Model No.: **INC015**

Origin of the Product(s): China, Vietnam

Destination of the Product(s): AMER, EMEA, APEC, ANZ

Colour: Space Gray Brand: **BELKIN**

The above sample(s) and information were provided by the client.

SGS Job No.: GZP23-022413 Sample Receiving Date: Dec 14, 2023

Verification Period: Dec 14, 2023 ~ Jan 02, 2024

Verification Requested: With reference to RoHS Directive (EU) 2015/863 amending 2011/65/EU.

Verification Method(s): Please refer to next page(s). Verification Result(s): Please refer to next page(s).

Test Result Summary:

Test Items	Conclusion
EU RoHS Directive (EU) 2015/863 amending Annex II to Directive	
2011/65/EU- Lead, Mercury, Cadmium, Hexavalent chromium, Polybrominated	
biphenyls (PBBs), Polybrominated diphenyl ethers (PBDEs), Bis(2-ethylhexyl)	Pass
phthalate (DEHP), Butyl benzyl phthalate (BBP), Dibutyl phthalate (DBP) and	
Diisobutyl phthalate (DIBP)	

Signed for and on behalf of SGS-CSTC Standards Technical Services Co., Ltd. Guangzhou Branch

Violet Shi

Approved Signatory

Rober Shi



t (86-20) 82155555

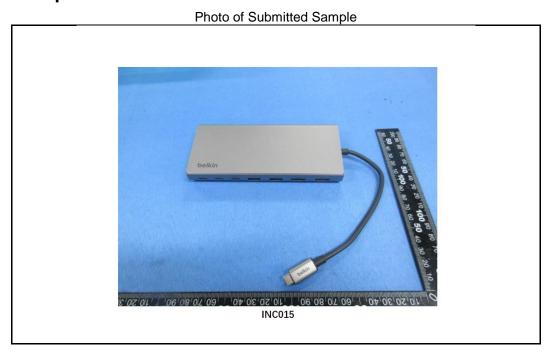


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Verification Method(s):

- 1. With reference to IEC 62321-2:2021, disassembly and disjointment were performed for the submitted samples.
- 2. With reference to IEC 62321-1:2013, tests were performed for the samples indicated by the photos in this report.
- (1) With reference to IEC 62321-3-1:2013, screening by EDXRF spectroscopy.
- (2) Wet chemical test method: With reference to IEC 62321-4:2013+A1:2017, IEC62321-5:2013, IEC 62321-7-1:2015, IEC 62321-7-2:2017, ISO 17075-1:2017, IEC 62321-12:2023, IEC 62321-6:2015 and IEC62321-8:2017, analyzed by ICP-OES,UV-Vis and GC-MS.



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SN ID	Sample No.	SGS Sample ID	Description
CN14	Λ.1	CAN23-0165968-0001.C001	Grey surfaced metal shell with black
SN1	A1	CAN23-0165968-0001.C001	printing
SN2	A2	CAN23-0165968-0001.C002	Black plastic shell
SN3	A3	CAN23-0165968-0001.C003	Black plastic cover
SN4	A4	CAN23-0165968-0001.C004	Silvery metal cover
SN5	A5	CAN23-0165968-0001.C005	Silvery metal screw
SN6	A6	CAN23-0165968-0001.C006	White material sheet
SN7	A7	CAN23-0165968-0001.C007	Black plastic (cable jacket)
SN8	A8	CAN23-0165968-0001.C008	Translucent plastic part
SN9	A9	CAN23-0165968-0001.C009	Silvery metal part
SN10	A10	CAN23-0165968-0001.C010	Black plastic part
SN11	A11	CAN23-0165968-0001.C011	Silvery material sheet
SN12	A12	CAN23-0165968-0001.C012	Red plastic (wire insulation)
SN13	A13	CAN23-0165968-0001.C013	Black plastic (wire insulation)
SN14	A14	CAN23-0165968-0001.C014	Pink plastic (wire insulation)
SN15	A15	CAN23-0165968-0001.C015	Blue plastic (wire insulation)
SN16	A16	CAN23-0165968-0001.C016	Green plastic (wire insulation)
SN17	A17	CAN23-0165968-0001.C017	White plastic (wire insulation)
SN18	A18	CAN23-0165968-0001.C018	Yellow plastic (wire insulation)
SN19	A19	CAN23-0165968-0001.C019	Purple plastic (wire insulation)
SN20	A20	CAN23-0165968-0001.C020	Silvery/blue material sheet
SN21	A21	CAN23-0165968-0001.C021	Transparent plastic sheet
SN22	A22	CAN23-0165968-0001.C022	Brown plastic (wire insulation)
SN23	A23	CAN23-0165968-0001.C023	White plastic (wire insulation)
SN24	A24	CAN23-0165968-0001.C024	Purple plastic (wire insulation)
SN25	A25	CAN23-0165968-0001.C025	Orange plastic (wire insulation)
SN26	A26	CAN23-0165968-0001.C026	Red plastic (wire insulation)
SN27	A27	CAN23-0165968-0001.C027	Yellow plastic (wire insulation)
SN28	A28	CAN23-0165968-0001.C028	Blue plastic (wire insulation)
SN29	A29	CAN23-0165968-0001.C029	Silvery metal shell
	İ		Grey surfaced metal shell with black
SN30	A30	CAN23-0165968-0001.C030	printing
SN31	A31	CAN23-0165968-0001.C031	Black rubber part
SN32	A32	CAN23-0165968-0001.C032	Silvery metal shell
SN33	A33	CAN23-0165968-0001.C033	Black plastic part
SN34	A34	CAN23-0165968-0001.C034	Silvery metal sheet
SN35	A35	CAN23-0165968-0001.C035	Dark grey plastic sheet
SN36	A36	CAN23-0165968-0001.C036	Silvery/golden metal pin
SN37	A37	CAN23-0165968-0001.C037	Dark grey plastic sheet
SN38	A38	CAN23-0165968-0001.C038	Silvery metal pin
SN39	A39	CAN23-0165968- 0001.C039.C001	Silvery metal wire (solder)
SN40	A40	CAN23-0165968-0001.C040	Green "PCB"
	A40 A41		
SN41		CAN23-0165968-0001.C041	Black plastic part
SN42	A42	CAN23-0165968-0001.C042	Black body
SN43 SN44	A43	CAN23-0165968-0001.C043	Black plastic part
.51444	A44	CAN23-0165968-0001.C044	Translucent glue



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SN ID	Sample No.	SGS Sample ID	Description
SN46	Á46	CAN23-0165968-0001.C046	Silvery metal shell
SN47	A47	CAN23-0165968-0001.C047	Silvery metal shell
SN48	A48	CAN23-0165968-0001.C048	Silvery metal shell
SN49	A49	CAN23-0165968-0001.C049	Silvery/golden metal pin
SN50	A50	CAN23-0165968-0001.C050	Dark grey plastic part
SN51	A51	CAN23-0165968-0001.C051	Silvery/golden metal pin
SN52	A52	CAN23-0165968-0001.C052	Silvery metal sheet
SN53	A53	CAN23-0165968-0001.C053	Dark grey plastic part
SN54	A54	CAN23-0165968-0001.C054	Silvery metal sheet
SN55	A55	CAN23-0165968-0001.C055	Silvery/golden metal pin
SN56	A56	CAN23-0165968-0001.C056	Black plastic shell
SN57	A57	CAN23-0165968-0001.C057	Black body
SN58	A58	CAN23-0165968-0001.C058	Black body
SN59	A59	CAN23-0165968-0001.C059	Silvery metal shell
SN60	A60	CAN23-0165968-0001.C060	Black body
SN61	A61	CAN23-0165968-0001.C061	Black plastic shell
SN62	A62	CAN23-0165968-0001.C062	Yellow body
SN63	A63	CAN23-0165968-0001.C063	Silvery/golden metal pin
SN64	A64	CAN23-0165968-0001.C064	Blue plastic part
SN65	A65	CAN23-0165968-0001.C065	Black plastic shell with white printing
SN66	A66	CAN23-0165968-0001.C066	Black rubber cover
SN67	A67	CAN23-0165968-0001.C067	Black body
SN68	A68	CAN23-0165968-0001.C068	Blue "PCB"
SN69	A69	CAN23-0165968-0001.C069	Silvery metal solder
SN70	A70	CAN23-0165968-0001.C070	Black body
SN71	A71	CAN23-0165968-0001.C071	Silvery/blue adhesive material part



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Verification Result(s):

In accordance with the result of material risk assessment, the following disjointed parts in the submitted sample have been verified. (Unless otherwise specified, the unit is mg/kg).

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Test Item(s)	A1	A2	A3	A4	A5	A6	A7	A8
Cd	BL	BL	BL	BL	BL	BL	BL	BL
Pb	BL	BL	BL	BL	BL	BL	BL	BL
Hg	BL	BL	BL	BL	BL	BL	BL	BL
Cr(VI)▼	BL	BL	BL	ND	BL	BL	BL	BL
PBBs		BL	BL			BL	BL	BL
PBDEs		BL	BL			BL	BL	BL
DBP		BL	BL			ND	ND	BL
BBP		BL	BL			ND	ND	BL
DEHP		BL	BL			ND	ND	BL
DIBP		BL	BL			ND	ND	BL
Conclusion	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS

Test Item(s)	A9	A10	A11	A12	A13	A14	A15	A16
Cd	BL							
Pb	BL							
Hg	BL							
Cr(VI)▼	BL							
PBBs		BL						
PBDEs		BL						
DBP		ND	BL	ND	ND	ND	ND	ND
BBP		ND	BL	ND	ND	ND	ND	ND
DEHP		ND	BL	ND	ND	ND	ND	ND
DIBP		ND	BL	ND	ND	ND	ND	ND
Conclusion	PASS							

Test Item(s)	A17	A18	A19	A20	A21	A22	A23	A24
Cd	BL							
Pb	BL							
Hg	BL							
Cr(VI)▼	BL							
PBBs	BL							
PBDEs	BL							
DBP	ND	ND	ND	BL	BL	ND	ND	ND
BBP	ND	ND	ND	BL	BL	ND	ND	ND
DEHP	ND	ND	ND	BL	BL	ND	ND	ND
DIBP	ND	ND	ND	BL	BL	ND	ND	ND
Conclusion	PASS							

Test Item(s)	A25	A26	A27	A28	A29	A30	A31	A32
Cd	BL							
Pb	BL							
Hg	BL							
Cr(VI)▼	BL	BL	BL	BL	ND	BL	BL	ND



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Test Item(s)	A25	A26	A27	A28	A29	A30	A31	A32
PBBs	BL	BL	BL	BL			BL	
PBDEs	BL	BL	BL	BL			BL	
DBP	ND	ND	ND	ND			ND	
BBP	ND	ND	ND	ND			ND	
DEHP	ND	ND	ND	ND			ND	
DIBP	ND	ND	ND	ND			ND	
Conclusion	PASS							

Test Item(s)	A33	A34	A35	A36	A37	A38	A39	A40
Cd	BL							
Pb	BL							
Hg	BL							
Cr(VI)▼	BL	ND	BL	BL	BL	ND	BL	BL
PBBs	BL		BL		BL			ND
PBDEs	BL		BL		BL			ND
DBP	BL		BL		BL			ND
BBP	BL		BL		BL			ND
DEHP	BL		BL		BL			ND
DIBP	BL		BL		BL			ND
Conclusion	PASS							

Test Item(s)	A41	A42	A43	A44	A45	A46	A47	A48
Cd	BL							
Pb	BL							
Hg	BL							
Cr(VI)▼	BL	BL	BL	BL	BL	ND	ND	BL
PBBs	ND	BL	BL	BL	BL			
PBDEs	ND	BL	BL	BL	BL			
DBP	ND	BL	BL	ND	BL			
BBP	ND	BL	BL	ND	BL			
DEHP	ND	BL	BL	ND	BL			
DIBP	ND	BL	BL	ND	BL			
Conclusion	PASS							

Test Item(s)	A49	A50	A51	A52	A53	A54	A55	A56
Cd	BL							
Pb	BL							
Hg	BL							
Cr(VI)▼	BL	BL	ND	ND	BL	ND	BL	BL
PBBs		BL			BL			BL
PBDEs		BL			BL			BL
DBP		BL			BL			BL
BBP		BL			BL			BL
DEHP		BL			BL			BL
DIBP		BL			BL			BL
Conclusion	PASS							



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Test Item(s)	A57	A58	A59	A60	A61	A62	A63	A64
Cd	BL							
Pb	BL							
Hg	BL							
Cr(VI)▼	BL	BL	ND	BL	BL	BL	BL	BL
PBBs	BL	BL		BL	BL	BL		BL
PBDEs	BL	BL		BL	BL	BL		BL
DBP	BL	BL		BL	BL	BL		BL
BBP	BL	BL		BL	BL	BL		BL
DEHP	BL	BL		BL	BL	BL		BL
DIBP	BL	BL		BL	BL	BL		BL
Conclusion	PASS							

Test Item(s)	A65	A66	A67	A68	A69	A70	A71
Cd	BL						
Pb	BL						
Hg	BL						
Cr(VI)▼	BL						
PBBs	BL	BL	BL	ND		BL	BL
PBDEs	BL	BL	BL	ND		BL	BL
DBP	BL	ND	BL	ND		BL	ND
BBP	BL	ND	BL	ND		BL	ND
DEHP	BL	ND	BL	ND		BL	ND
DIBP	BL	ND	BL	ND		BL	ND
Conclusion	PASS						



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Notes:

(1) Interpretation of screening results by X-ray fluorescence spectrometry (XRF):

(a) Screening limits in mg/kg for regulated elements in various matrices according to IEC 62321-1:2013 Annex A as below table.

Element	Polymer	Metal	Composite Materials		
Cd	BL≤(70-3σ) <x<(130+3σ)≤ol< td=""><td>BL≤(70-3σ)<x<(130+3σ)≤ol< td=""><td>LOD<x<(150+3σ)≤ol< td=""></x<(150+3σ)≤ol<></td></x<(130+3σ)≤ol<></td></x<(130+3σ)≤ol<>	BL≤(70-3σ) <x<(130+3σ)≤ol< td=""><td>LOD<x<(150+3σ)≤ol< td=""></x<(150+3σ)≤ol<></td></x<(130+3σ)≤ol<>	LOD <x<(150+3σ)≤ol< td=""></x<(150+3σ)≤ol<>		
Pb	BL≤(700-3σ) <x<(1300+3σ)≤ol< td=""><td>BL≤(700-3σ)<x<(1300+3σ)≤ol< td=""><td>BL≤(500-3σ)<x<(1500+3σ)≤ol< td=""></x<(1500+3σ)≤ol<></td></x<(1300+3σ)≤ol<></td></x<(1300+3σ)≤ol<>	BL≤(700-3σ) <x<(1300+3σ)≤ol< td=""><td>BL≤(500-3σ)<x<(1500+3σ)≤ol< td=""></x<(1500+3σ)≤ol<></td></x<(1300+3σ)≤ol<>	BL≤(500-3σ) <x<(1500+3σ)≤ol< td=""></x<(1500+3σ)≤ol<>		
Hg	BL≤(700-3σ) <x<(1300+3σ)≤ol< td=""><td>BL≤(700-3σ)<x<(1300+3σ)≤ol< td=""><td>BL≤(500-3σ)<x<(1500+3σ)≤ol< td=""></x<(1500+3σ)≤ol<></td></x<(1300+3σ)≤ol<></td></x<(1300+3σ)≤ol<>	BL≤(700-3σ) <x<(1300+3σ)≤ol< td=""><td>BL≤(500-3σ)<x<(1500+3σ)≤ol< td=""></x<(1500+3σ)≤ol<></td></x<(1300+3σ)≤ol<>	BL≤(500-3σ) <x<(1500+3σ)≤ol< td=""></x<(1500+3σ)≤ol<>		
Br	BL ≤ (300-3σ)< X	Not applicable	BL ≤ (250-3σ)< X		
Cr	BL ≤ (700-3σ)< X	BL ≤ (700-3σ)< X	BL ≤ (500-3σ)< X		

- (b) If the maximum allowed level restricts PBB/PBDE and Cr(VI) rather than Br and Cr, the exceptions are the XRF determinations of Br and Cr. If the quantitative results for the elements Br and/or Cr are higher than the limit (for Br calculated based on the stoichiometry of Br in the most common congeners of PBB/PBDE), the sample is "inconclusive".
- (c) Results are obtained by EDXRF for primary screening, LOD = Limit of Detection, BL = Below Limit, OL= Over Limit, IN (The symbol X marks the region)=Inconclusive, where further investigation is necessary, and further chemical testing by ICP-OES (for Cd, Pb, Hg), UV-Vis (for Cr(VI)) and GC-MS (for PBBs/PBDEs) are recommended to be performed.
- (d) The EDXRF screening test for RoHS elements The reading may be different to the actual content in the sample be of non-uniformity composition.
- (2) Screening results of Phthalates (PHTH) are for primary screening, and further chemical testing by GC -MS (for DBP, BBP, DEHP and DIBP) are recommended to be performed if the concentration exceeds the below warning value (unit: mg/kg).

Test Items	CAS No.	Polymer/ Composite Materials
Dibutyl Phthalate (DBP)	84-74-2	BL ≤ 600< X
Benzylbutyl Phthalate (BBP)	85-68-7	BL ≤ 600< X
Bis(2-ethylhexyl) Phthalate (DEHP)	117-81-7	BL ≤ 600< X
Diisobutyl Phthalate (DIBP)	84-69-5	BL ≤ 600< X

- (3) Interpretation of results by chemical tests:
 - (a) mg/kg = 0.0001%, MDL=Method detection Limit, ND = Not Detected (<MDL), --- = Not Applicable.
 - (b) Unit and MDL in wet chemical test

Test Items	Pb	Cd	Hg	DBP	BBP	DEHP	DIBP
Unit	mg/kg						
MDL	10	10	10	100	100	100	100

The MDL for single compound of PBBs and PBDEs is 100 mg/kg,

MDL of Cr(VI) for polymer, composite and leather sample is 10 mg/kg.

MDL of Cr(VI) for metal sample is 0.10 µg/cm².

- (c) ▼ =Metal sample
 - a. The sample is positive for Cr(VI) if the Cr(VI) concentration is greater than 0.13 μ g/cm². The sample coating is considered to contain Cr(VI).
 - b. The sample is negative for Cr(VI) if Cr(VI) is ND (concentration less than 0.10 μg/cm²). The coating is considered a non-Cr(VI) based coating
 - c. The result between 0.10 μ g/cm² and 0.13 μ g/cm² is considered to be inconclusive-unavoidable coating variations may influence the determination



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Information on storage conditions and production date of the tested sample is unavailable and thus Cr(VI) results represent status of the sample at the time of testing.

- (4) Restricted substances and maximum concentration values tolerated by weight in homogeneous materials under RoHS Directive: Cd: 0.01%, Pb/Hg/Cr(VI)/PBBs/PBDEs/DEHP/DBP/BBP/DIBP: 0.1%. The limit is quoted from RoHS Directive (EU) 2015/863.
- (5) IEC 62321 series is equivalent to EN 62321 series.

The location of performance of the laboratory activities: A. No.198, Kezhu Road, Science City, Economic & Technological Development Area, Guangzhou, Guangdong; B. Room 101, Building 3, No.1501, Kaichuang Avenue, Huangpu District, Guangzhou, Guangdong

Unless otherwise stated, the decision rule for conformity reporting is based on Binary Statement for Simple Acceptance Rule (w=0) stated in ILAC-G8:09/2019.



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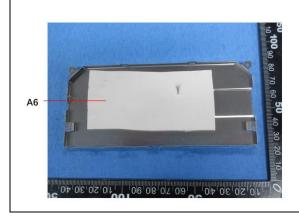
Sample photos:















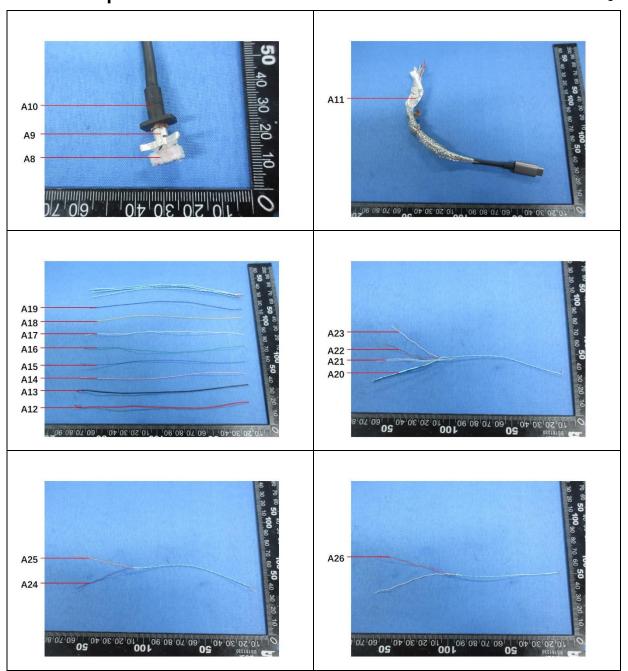
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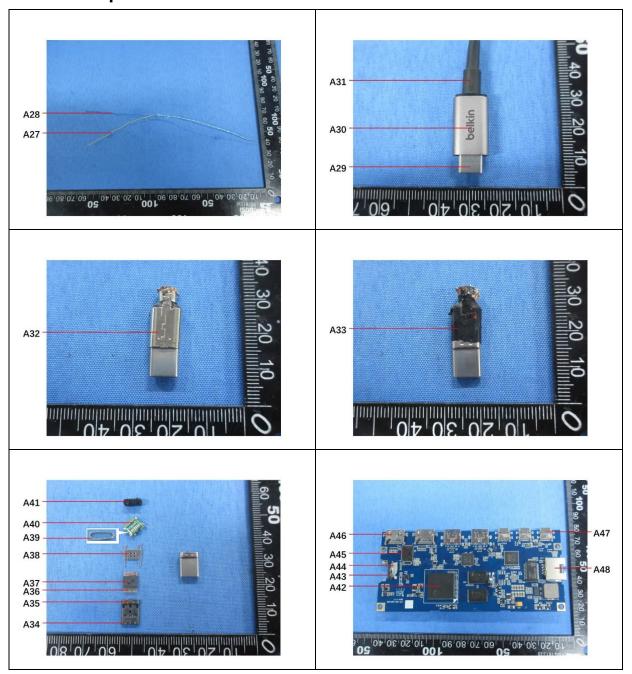
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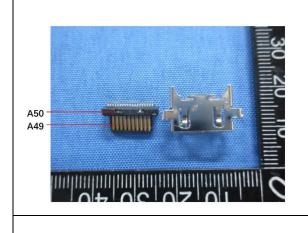
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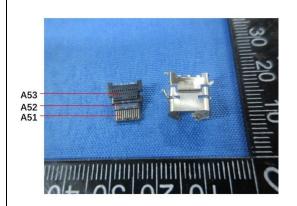
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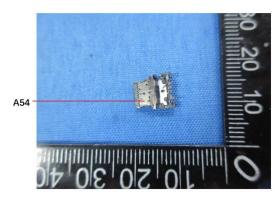
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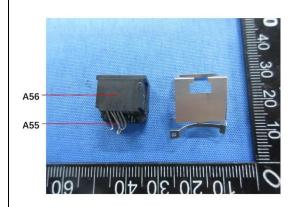


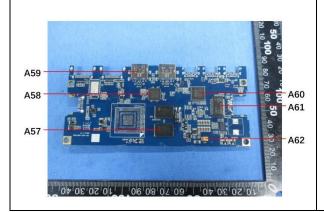
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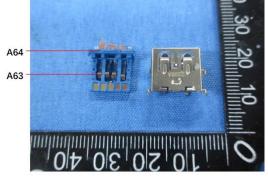














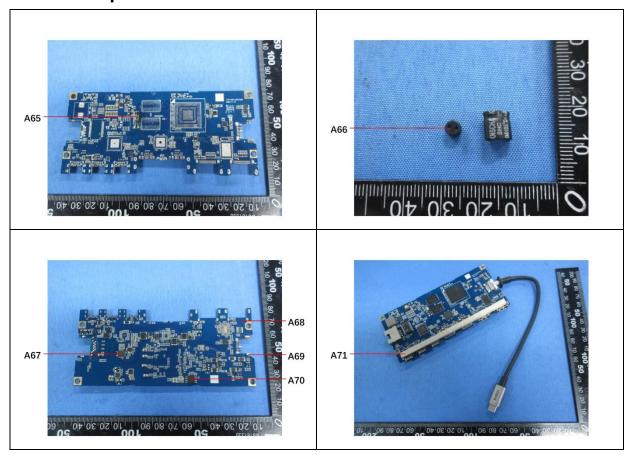
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