

Prepared for:

EDA Technology Shanghai Co.,Ltd

Building 29, Shengchuang Enterprise Park, No.1661 Jialuo Road, Jiading District, Shanghai, PRC

ED-HMI3020 Product Name:

ED-HMI3020-101C, ED-HMI3020-050C,

ED-HMI3020-070C, ED-HMI3020-050R,

ED-HMI3020-070R, ED-HMI3020-101R

Trade Mark: EDA

Date of Test: From May 08, 2024 to May 14, 2024

Date of Report: May 14, 2024

Report Number: HK2405087079-1RI

Prepared by:

Shenzhen HUAK Testing Technology Co., LTD.

1-2/F., Building B2, Junfeng Zhongcheng Zhizao Innovation Park, Heping Community, Fuhai Street, Bao'an District, Shenzhen, Guangdong, China

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Page 2 of 51 REPORT No.: HK2405087079-1RR Date: May 14, 2024 Applicant: EDA Technology Shanghai Co.,Ltd Building 29, Shengchuang Enterprise Park, No.1661 Jialuo Road, Address: Jiading District, Shanghai, PRC Manufacturer: **EDA Technology Shanghai Co.,Ltd** Building 29, Shengchuang Enterprise Park, No.1661 Jialuo Road, Address: Jiading District, Shanghai, PRC The following sample was submitted and identified by/on behalf of the client as: ED-HMI3020 **Product Name:** ED-HMI3020-101C, ED-HMI3020-050C, ED-HMI3020-070C, Model No .: ED-HMI3020-050R, ED-HMI3020-070R, ED-HMI3020-101R Trade Mark: May 08, 2024 Sample Receiving Date: From May 08, 2024 to May 14, 2024 Testing Period: Please refer to next page(s). Results: **Summary of Test Results:** According to customer's requirements, Split the sample and determine the Pb, Test Requested: Cd, Hg, Cr(VI), PBBs & PBDEs, DBP, BBP, DEHP, DIBP content of the parts. Base upon the performed tests by submitted sample, the test results comply with the limits as set by Directive (EU) 2015/863 - Amendment of EU RoHS Directive Conclusion: 2011/65/EU (RoHS 2.0) Annex II. Signed for and on behalf of HUAK Approved by

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Lab Manager



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Information of the Test Laboratory

Shenzhen HUAK Testing Technology Co., Ltd.

Add.: 1-2/F., Building B2, Junfeng Zhongcheng Zhizao Innovation Park, Heping Community, Fuhai Street, Bao'an District, Shenzhen, Guangdong, China

Testing Laboratory Authorization:

A2LA Accreditation Code is 4781.01.

FCC Designation Number is CN1229.

Canada IC CAB identifier is CN0045.

CNAS Registration Number is L9589.

CPSC Certification Number is 1710.

Test Method:

- 1. Sample prepared with reference to IEC 62321-1:2013 / IEC 62321-2:2021
- 2. Sample Screening testing with reference to IEC 62321-3-1:2013
- 3. Wet Chemical Test Method
 - a. Determination of Lead, Cadmium by ICP-OES with reference to IEC 62321-5:2013
 - b. Determination of Mercury by ICP-OES with reference to IEC 62321-4:2013+AMD1:2017
 - c. Determination of Hexavalent Chromium in colourless and coloured corrosion-protected coatings on metals by UV-VIS method reference to IEC 62321-7-1:2015
 - d. Determination of Hexavalent Chromium in polymers and electronics by UV-Vis Method with reference to IEC 62321-7-2:2017.
 - e. Determination of PBBs and PBDEs by GC-MS with reference to IEC 62321-6:2015
 - f. Determination of DBP, BBP, DEHP and DIBP by GC-MS with reference to IEC 62321-8:2017



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Part No.	Part Name	Restricted Substances	Result of EDXRF (1)	Result of Chemical Testing (2) (mg/kg)	Conclusion on RoHS
	W TESTING	Pb	BL	HUAK TEE	Comply
	O HUAN	Cd	BL		Comply
		Hg	BL	OK TESTING	Comply
	TING TESTING	Cr(VI)	IN ®	N.D.	Comply
HUAKTE	Black coating	PBBs	HUAR	HUAK TE	NA
	(Silver metal)	PBDEs			NA
	36	DBP			NA
	HUAKTESTING	BBP	WAY TESTING	WENTESTING	NA
		DEHP	<u></u>	<u> </u>	NA
		DIBP		TECTING	NA
	MAKTESTIL	Pb	BL	O HUN	Comply
	(a)	Cd	BL	-ma	Comply
		Hg	BL	HUAK TES III	Comply
	TING MAKTESTING	Cr(VI)	BL	NY TESTING	Comply
HOM	Multi-colour	PBBs	BL	Who was	Comply
2	printing (White label)	PBDEs	BL		Comply
	3 STING	DBP	STING	N.D.	Comply
	HUAKTEE	BBP	HUAKTE	N.D.	Comply
		DEHP		N.D.	Comply
	TING	DIBP	TING_	N.D.	Comply
	HUAKTE	Pb	BL	·	Comply
		Cd	BL	TESTING	Comply
	TING TESTING	Hg	BL® 🚳	HUAK .	Comply
	HUAKTES	Cr(VI)	BL	HUAKTEST	Comply
0	Black print (white	PBBs	BL	<u> </u>	Comply
3	plastic sheet)	PBDEs	BL		Comply
	3 OX TESTING	DBP	OF TESTING		NA ******
	O HOLE	BBP	MON-	Why.	NA
		DEHP		-csmvG	NA
	TESTING	DIBP	TESTING	HUAKTE	NA

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Part No.	Part Name	Restricted Substances	Result of EDXRF (1)	Result of Chemical Testing (2) (mg/kg)	Conclusion on RoHS
TESTING	a.G	Pb	BL	OK TESTING	Comply
	"IAK TESTING	Cd	MY TESTING BL	MILIAN	Comply
à	O House	Hg 💮 💮	BL	-nG	Comply
		Cr(VI)	BL	HUAK TESTIN	Comply
4 × TE	Cray agating	PBBs (15 ^{th)G}	BL	XTESTAY	Comply
4	Gray coating	PBDEs	BL	MI HUAN	Comply
		DBP			NA
STIN	3 STING	BBP		CTNG	NA
WAK TES	HUAKTES	DEHP	HUAKTES	WAKTES	NA
ı,G		DIBP			NA
TESTI.	TING	Pb	BL	- WAKTESTIN	Comply
	HUAK TES	Cd	BL	•	Comply
;		Hg	BL	TESTING	Comply
	TING TING	Cr(VI)	BL 🌕	MAK .	Comply
WHAK TE	White, grey coating	PBBs	HUAKTES	HUAKTESTI	NA
5	(silver metal)	PBDEs			NA
		DBP			NA
AK TESTIN	3 AK TESTING	BBP	AK TESTING		NA *******
IO M	O HOM	DEHP	O HUM	Whom	NA
ESTING		DIBP		-SING	NA
	X TESTING	Pb	BL	HUAK	Comply
	HUAN	Cd	BL	(Comply
		Hg	BL	WAKTESTING	Comply
18	STING WIESTING	Cr(VI)	BL		Comply
HUAK	Yellow, grey	PBBs	HIJAN	HUAK	NA
6	coating (silver metal)	PBDEs			NA
ne de	in and	DBP	_{my} G	GINT	NA
WAKTEST	HUAKTEST	BBP	HUAK TEST	THAK TEST	NA
		DEHP		<u> </u>	NA
ESTING	a)G	DIBP	- Star	LOK TESTING	NA

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Part No.	Part Name	Restricted Substances	Result of EDXRF (1)	Result of Chemical Testing (2) (mg/kg)	Conclusion on RoHS
	J.G	Pb	BL	OK TESTING	Comply
	MAKTESTING	Cd	BL	(a) 1111111	Comply
	1 10 10 10 10 10 10 10 10 10 10 10 10 10	Hg	BL	TOG-	Comply
		Cr(VI)	BL	HUAKTES!	Comply
7ax TE	Silver metal gasket	PBBs	HAKTESTING (III)	AK TESTIM	NA
D HOM	Silver metal gasket	PBDEs		C HUM	NA
		DBP			NA
	S STING	BBP	STING	TSTING	NA
	HIAKTE	DEHP	HUAKTE	MAKTE	NA
		DIBP		olg	NA
TESTI	STING	Pb	BL	HUANTESTA	Comply
	HUAKTE	Cd	BL	·	Comply
		Hg	BL	TESTING	Comply
	ING STING	Cr(VI)	BL 💿	HUAK	Comply
8	Black coating	PBBs	BL BL	HUAKTEST	Comply
0	(clear plastic)	PBDEs	BL	<u></u>	Comply
		DBP		N.D.	Comply
	S AKTESTING	BBP	OFTESTING	N.D.	Comply
	O HO.	DEHP	(1) HD	N.D.	Comply
		DIBP		N.D.	Comply
	AKTESTING	Pb	BL	HUAK	Comply
	O HOLE	Cd	BL	(Comply
		Hg	BL	WAX TESTING	Comply
	TING OK TESTING	Cr(VI)	BL	TESTIN	Comply
9	Silver metal	PBBs	MILITARY	HUAK	NA
9	Silver metal	PBDEs			NA
	5 _m/G	DBP		-myG	NA
	HUAKTES	BBP	HUAK TES	THAN TES	NA
		DEHP			NA
	a)G	DIBP	- 	AK TESTING	NA



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Part No.	Part Name	Restricted Substances	Result of EDXRF (1)	Result of Chemical Testing (2) (mg/kg)	Conclusion on RoHS
TESTING		Pb	BL	OK TESTING	Comply
		© Cd	BL	MILIAN	Comply
ò		Hg	BL		Comply
		Cr(VI)	BL	HUAK TESTIN	Comply
10	Cilver e erou	PBBs	JAKTESTING (III)	XTESTAY	NA
10	Silver screw	PBDEs	D HO	ALL ALL	NA
		DBP			NA
-STIN		BBP		CTNG	NA
WAKTES		DEHP	HUAKTE	WAKTES	NA
NG.		DIBP			NA
ESTI	TING	Pb	BL	- WAKTESTIN	Comply
		Cd	BL	•	Comply
		Hg	BL	TESTING	Comply
		Cr(VI)	BL 🌕	HUAKTE	Comply
MAK TE	STATE OF THE STATE	PBBs	BL		Comply
11	Black wire	PBDEs	BL	<u></u>	Comply
		DBP			NA
OK TESTIN		BBP	AKTESTING		NA
10m		DEHP	O HUM	Whom	NA
STING		DIBP		-SING	NA
	X TESTING	Pb	BL	HUAK	Comply
		Cd	BL	(Comply
		Hg	BL	WAKTESTING	Comply
-16		Cr(VI)	BL		Comply
HUAK	White, black	PBBs	MHUAN	HUAK	NA
12	coating (silver metal)	PBDEs			NA
THE STATE OF THE S	3	DBP	_{my} G	GINT	NA
WAKTEST		BBP	HUAKTEST	PHAK TES !!	NA
		DEHP		<u> </u>	NA
ESTING		DIBP	- NO	OK TESTING	NA

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Part No.	Part Name	Restricted Substances	Result of EDXRF (1)	Result of Chemical Testing (2) (mg/kg)	Conclusion on RoHS
TESTING		Pb	BL	V TESTING	Comply
	LAKTESTING	(Cd	BL	MIAN	Comply
	(a) HO.	Hg	BL	- NG	Comply
		Cr(VI)	BL	WAKTESTIN	Comply
10	Black coating	PBBs TSTING	JAKTESTING (III)	V TESTING	NA
13	(Silver metal)	PBDEs		MI HUAN	NA
		DBP			NA
	3 CTING	BBP		CTNG	NA
	HUAKTES	DEHP	HUAKTE	WAK TES	NA
		DIBP			NA
TESTI	TING	Pb	BL	- WAKTESTIN	Comply
	HUAKTES	Cd	BL	•	Comply
		Hg	BL	TESTING	Comply
	ING TING	Cr(VI)	BL 🌕	MAK .	Comply
14	Black coating (silver metal	PBBs	HUAKTES	HUAKTESTI	NA
14	screws)	PBDEs		<u></u>	NA
	,	DBP			NA
	S AKTESTING	BBP	AN TESTING		NA
	(C) HOW	DEHP	O HUM	10 HO	NA
		DIBP		-ESTING	NA
	AK TESTING	Pb	BL	HUAK	Comply
	O HUM	Cd	BL	(Comply
		Hg	BL	WAY TESTING	Comply
	TING XTESTING	Cr(VI)	BL	TESTIN	Comply
15	Plack plactic	PBBs	BL BL	HUAK.	Comply
15	Black plastic	PBDEs	BL		Comply
	5 -TING	DBP		N.D.	Comply
	WAKTESTING	BBP	HUAK TES	N.D.	Comply
		DEHP		N.D.	Comply
	-DIG	DIBP	mle-	N.D.	Comply

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Part No.	Part Name	Restricted Substances	Result of EDXRF (1)	Result of Chemical Testing (2) (mg/kg)	Conclusion on RoHS
TESTING		Pb	BL	V TESTING	Comply
		(Cd	BL	MILIAN	Comply
ò		Hg 💮 💮	BL	-nG	Comply
		Cr(VI)	BL	HUAK TESTIN	Comply
16	Plack plactic	PBBs (STATE	BL	AKTESTIN	Comply
10	Black plastic	PBDEs	BL	MI HUAN	Comply
		DBP		N.D.	Comply
STIN		BBP	STING	N.D.	Comply
WAKTED		DEHP	HUAKTE	N.D.	Comply
αG		DIBP		N.D.	Comply
EST	TING	Pb	BL	WAK TESTIN	Comply
		Cd	BL	——————————————————————————————————————	Comply
		Hg	BL	TESTING	Comply
		Cr(VI)	BL 🚳	HIAK I	Comply
17	Black wire cover	PBBs	BL	HUAKTESTI	Comply
) 17	Black wife cover	PBDEs	BL		Comply
		DBP		N.D.	Comply
N TESTIN		BBP	AK-TESTING	N.D.	Comply
No.		DEHP	O HUM	N.D.	Comply
ESTING		DIBP		N.D.	Comply
	X TESTING	Pb	BL	HUAK	Comply
		Cd	BL	(Comply
		Hg	BL	WAKTESTING	Comply
TE		Cr(VI)	BL	TESTIN	Comply
HUAK .	Dad wire sover	PBBs	BL	HUAK.	Comply
18	Red wire cover	PBDEs	BL		Comply
-711		DBP		N.D.	Comply
UAKTESI		BBP	HUAKTEST	N.D.	Comply
		DEHP		N.D.	Comply
ESTING		DIBP	- Star	N.D.	Comply

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Part No.	Part Name	Restricted Substances	Result of EDXRF (1)	Result of Chemical Testing (2) (mg/kg)	Conclusion on RoHS
		Pb	BL	V TESTING	Comply
	LAK TESTING	(Cd	BL	MUAN	Comply
	O HO	Hg	BL	(Comply
		Cr(VI)	BL	HUAKTESTIN	Comply
19	Crow allianna	PBBs TSTING	BL	XTESTIN	Comply
19	Grey silicone	PBDEs	BL	MI HUAN	Comply
		DBP		N.D.	Comply
	3 STING	BBP	STING	N.D.	Comply
	HUAKTEL	DEHP	HUAKTE	N.D.	Comply
		DIBP		N.D.	Comply
TEST	TING	Pb	BL	WAK TESTI	Comply
	HUAKTES	Cd	BL	<u></u>	Comply
		Hg	BL	TESTING	Comply
	THE THE	Cr(VI)	BL ®	HIAK .	Comply
20	Cilver cerev	PBBs	HUAKTES	HUAKTESTIL	NA
20	Silver screw	PBDEs			NA
		DBP			NA
	3 AKTESTING	BBP	AN TESTING		NA
	O HOM	DEHP	O HUND	White	NA
		DIBP		-STING	NA
	A TESTING	Pb	BL	HUAK	Comply
	O HUAN	Cd	BL	(Comply
		Hg	BL	WAKTESTING	Comply
	STING OF TESTING	Cr(VI)	BL ®	TESTIN	Comply
21	Multicolor printing	PBBs	BL	HUAK.	Comply
21	(White paper)	PBDEs	BL		Comply
	3 TING	DBP		-TING	NA
	HUAKTES	BBP	HUAKTES	PLAK TES !	NA
		DEHP			NA
	-muG	DIBP	- NO-	LAK TESTING	NA
	26.5.5		2015	4.002	25.5



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Part No.	Part Name	Restricted Substances	Result of EDXRF (1)	Result of Chemical Testing (2) (mg/kg)	Conclusion on RoHS
TESTING		Pb	BL	V TESTING	Comply
	MAKTESTING	Cd	BL	MINAR	Comply
3	O HO	Hg	BL	-nG	Comply
		Cr(VI)	BL	HUAK TESTIN	Comply
22	Multicolor printing	PBBs	BL	OK TESTING	Comply
2 2	(White paper)	PBDEs	BL	MINN.	Comply
		DBP			NA
STIN	STING	BBP	STING	STING	NA
HUAKTEL	HUAKTEL	DEHP	HUAKTE	WAK TEL	NA
n/G		DIBP			NA
TEST	TING	Pb	BL	WAK TESTIN	Comply
	HUAKTES	Cd	BL	•	Comply
3		Hg	BL	TESTING	Comply
	THE THE	Cr(VI)	BL ®	MAK .	Comply
23	Digal, plantin	PBBs	IN IN	N.D. MY TESTING	Comply
23	Black plastic	PBDEs	IN	N.D.	Comply
		DBP			NA
AK TESTIN	3 AKTESTING	BBP	AN TESTING		NA
HOM	O HOM	DEHP	O HUND	(1)	NA
ESTING		DIBP		-ESTING	NA
	X TESTING	Pb	BL	HUAK	Comply
	O HUAN	Cd	BL	(Comply
		Hg	BL	WAY TESTING	Comply
TE	STING WESTING	Cr(VI)	BL	TESTIN	Comply
24	Black plastic	PBBs	BL BL	HUAR	Comply
4	Diack plastic	PBDEs	BL		Comply
-7119	5TING	DBP	TING		NA
HUAK TES.	HUAKTES	BBP	HUAK TES.	HUAK TES	NA
		DEHP			NA
TESTING	-niG	DIBP		AK TESTING	NA

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Part No.	Part Name	Restricted Substances	Result of EDXRF (1)	Result of Chemical Testing (2) (mg/kg)	Conclusion on RoHS
	-06	Pb	BL	OK TESTING	Comply
	WAKTESTING	Cd	JAK TESTINEBL	(1) HOLE	Comply
	(a)	Hg 🐠	BL	mis-	Comply
	.0.0	Cr(VI)	BL	HUAK TES!	Comply
25	White plastic	PBBs	IN IN	N.D.	Comply
0 23	vviille plastic	PBDEs	IN	N.D.	Comply
		DBP			NA
	5 THE	BBP	STING	TING	NA
	HUAKTE	DEHP	HUAKTE	ALL AKTE	NA
niG		DIBP		o.G	NA
	STING	Pb	BL	HUAY TESTIN	Comply
	HUAKTE	Cd	BL	<u></u>	Comply
		Hg	BL	TESTING	Comply
	ING SIME	Cr(VI)	BL	MAK	Comply
26	Silver metal pin	PBBs	M HUAKTE	HUAK TEST	NA
20	Silver metal pin	PBDEs		<u> </u>	NA
		DBP			NA
	. IAK TESTING	BBP	JAK TESTING		NA
	(a) HO	DEHP	O HO	O HO	NA
		DIBP		TESTING	NA
	AK TESTING	Pb	BL	HUAK	Comply
	O HOM	Cd	BL	(Comply
		Hg	BL	WAKTESTING	Comply
	TING OXTESTING	Cr(VI)	BL	TESTIN	Comply
27	White plastic	PBBs	BL	HUAR	Comply
<u> </u>	vviille plastic	PBDEs	BL		Comply
	5TNG	DBP	TING		NA
	HUAKTES	BBP	HUAK TES.	HUAK TES	NA
		DEHP			NA
	n)G	DIBP	- NO-	LAK TESTING	NA

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Part No.	Part Name	Restricted Substances	Result of EDXRF (1)	Result of Chemical Testing (2) (mg/kg)	Conclusion on RoHS
		Pb	BL	W TESTING	Comply
	LAKTESTING	(Cd	BL	MIAN	Comply
	O HOW	Hg	BL	-NG	Comply
		Cr(VI)	BL	WAKTESTING	Comply
OOKTE	Cilvan as Stal air	PBBs	LOK TESTING	V TESTING	NA
28	Silver metal pin	PBDEs	M HO.	ALL ALL	NA
		DBP			NA
	3 TING	BBP		TING	NA
	HUAK TES	DEHP	HUAK TES	MAKTES	NA
		DIBP			NA
TESTITI	-TING	Pb	BL	WAYTESTA	Comply
	HUAK TES.	Cd	BL	•	Comply
		Hg	BL	TESTING	Comply
	NG THE	Cr(VI)	BL _N	HIAK I	Comply
TO NAK TE	Oilean an atal min	PBBs	HUAKTES.		NA
29	Silver metal pin	PBDEs		<u> </u>	NA
		DBP			NA
	3 NY TESTING	BBP STIME	N. TESTING		NA
	O HUM	DEHP	Man	White	NA
		DIBP		-SING	NA
	V.TESTING	Pb	ATESTING BL	HUAK	Comply
	MUAN.	Cd	BL		Comply
		Hg	BL	LIAK TESTING	Comply
	TING WESTING	Cr(VI)	BL ^{mc}	ESTING	Comply
MAKE TE		PBBs	M HUAR IN	N.D.	Comply
30	White plastic	PBDEs	IN	N.D.	Comply
	3 mVG	DBP	GING	ONE	NA
	HUAK TEST	BBP	HUAK TEST	THAK TEST	NA
		DEHP	<u></u>		NA
	-alG	DIBP	-245-	LOK TESTING	NA
	-2.11	- CO	2.5	- UV	- 6-11

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Part No.	Part Name	Restricted Substances	Result of EDXRF (1)	Result of Chemical Testing (2) (mg/kg)	Conclusion on RoHS
		Pb	BL	V TESTING	Comply
	LAKTESTING	© Cd	BL	MIAN	Comply
	O HOW	Hg	BL	(Comply
		Cr(VI)	BL	WAKTESTIN	Comply
04×TE	TIME OF A WAY TESTING (PBBs	BL	V. TESTIN	Comply
31	Green plastic	PBDEs	BL	MUAN HUAN	Comply
		DBP			NA
	3 - CTING	BBP		CTNG	NA
	HUAK TES	DEHP	HUAK TES	MAKTES	NA
		DIBP			NA
TESTIN	-TING	Pb	BL	WAYTESTA	Comply
	HUAK TES.	Cd	BL	• <u></u>	Comply
		Hg	BL	TESTING	Comply
	THE THE	Cr(VI)	BL 🚳	HIAK I	Comply
32	Dialentatio	PBBs	BL	HUAKTESTIL	Comply
32	Pink plastic	PBDEs	BL	<u></u>	Comply
		DBP			NA
	3 AKTESTING	BBP	AK TESTING		NA
	O HOM	DEHP	O HUM	White	NA
		DIBP		-SING	NA
	N TESTING	Pb	BL	HUAK	Comply
	MINDE TO THE PROPERTY OF THE P	Cd	BL		Comply
		Hg	BL	MAKTESTING	Comply
	STING WESTING	Cr(VI)	BL ®	TESTIN	Comply
MAK TE		PBBs	Mental	HUAK.	NA
33	Silver metal pin	PBDEs			NA
	3 -mVG	DBP		-TING	NA
	HUAKTEST	BBP	HUAKTEST	PLANTES!	NA
		DEHP		<u></u>	NA
	an G	DIBP	- NO-	LAK TESTING	NA
	- C/V	AND VIV	-C-V	AND WV	- C/W

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Part No.	Part Name	Restricted Substances	Result of EDXRF (1)	Result of Chemical Testing (2) (mg/kg)	Conclusion on RoHS
TESTING	·a	Pb	BL	N TESTING	Comply
	HAKTESTING	© Cd	BL	MINDIA	Comply
3	0	Hg	BL	mG	Comply
		Cr(VI)	IN	N.D.	Comply
34	Plack plactic baco	PBBs	BL	OK TESTIM	Comply
34	Black plastic base	PBDEs	BL	MINN.	Comply
		DBP			NA
STIN	3 STING	BBP	STING	STING	NA
HUAKTES	HUAKTE	DEHP	HUAKTE	W AK TEL	NA
n/G		DIBP			NA
TESTI	STING	Pb	BL	WAK TESTIN	Comply
	HUAKTED	Cd	BL	<u></u>	Comply
10		Hg	BL	TESTING	Comply
	THE THIS	Cr(VI)	BL 🌕	Mak .	Comply
35	Copper metal pin	PBBs	M HUAKTES	HUAKTEST	NA
33	Copper metal pin	PBDEs			NA
		DBP			NA
OK TESTIN	3 AKTESTING	BBP	AK-TESTING		NA
HOM	O HOLD	DEHP	O HUM	White	NA
ESTING		DIBP		-STING	NA
	AK TESTING	Pb	BL	HUAK	Comply
	O HUAN	Cd	BL	(Comply
		Hg	BL	WAKTESTING	Comply
TE	STING OF TESTING	Cr(VI)	BL ^{WG}	TESTIN	Comply
MAK I	Prown plactic	PBBs	BL	HUAK	Comply
36	Brown plastic	PBDEs	BL		Comply
TH	G TING	DBP		-TING	NA
WAK TES !	HUAK TEST	BBP	HUAK TES	THAT TES!	NA
		DEHP			NA
TESTING	a)G	DIBP	- Slen	LOX TESTING	NA

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	Г No.: HK2405087079-1F	RR Date	Date: May 14, 2024		
Part No.	Part Name	Restricted Substances	Result of EDXRF (1)	Result of Chemical Testing (2) (mg/kg)	Page 16 of 51 Conclusion on RoHS
		Pb	BL	V TESTING	Comply
	LAK TESTING	Cd	BL	MINAR	Comply
	() HO	Hg	BL		Comply
		Cr(VI)	BL	HUAK TESTING	Comply
37	Digely plantin hans	PBBs (STING	BL	XTESTING	Comply
31	Black plastic base	PBDEs	BL	MI HUAN	Comply
		DBP			NA
	3	BBP		CTNG	NA
	HUAKTES	DEHP	HUAKTE	WAKTES	NA
		DIBP			NA
TESTI	TING	Pb	BL	- WAKTESTIN	Comply
	HUAKTES	Cd	BL	•	Comply
		Hg	BL	TESTING	Comply
	ING TING	Cr(VI)	BL O	Max .	Comply
38	Cilver metal nin	PBBs	HUAKTES.	HUAKTESTI	NA
30	Silver metal pin	PBDEs			NA
		DBP			NA
	5 AKTESTING	BBP	AK-TESTING		NA
	(HOLD	DEHP	O HUND	(1)	NA
		DIBP		-ESTING	NA
	V. TESTING	Pb	BL	HUAK	Comply
	MINN.	Cd	BL	(Comply
		Hg	BL	WAKTESTING	Comply
	TING OF TESTING	Cr(VI)	BL		Comply
39	White, grey coating	PBBs	HUAS	HUAK	NA
39	(silver metal)	PBDEs			NA
	3 TING	DBP	_{TIN} G		NA
	HUAKTESI	BBP	HUAK TEST	THAY TEST	NA
		DEHP		<u></u>	NA
	a)G	DIBP	- NO	LOK TESTING	NA

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REPORT	No.: HK240508/0/9-1	Page 17 of 51			
Part No.	Part Name	Restricted Substances	Result of EDXRF (1)	Result of Chemical Testing (2) (mg/kg)	Conclusion on RoHS
TESTING	.e	Pb	BL	N TESTING	Comply
	HAKTESTING	Cd	AK TESTING BL	MUAN	Comply
3	(a)	Hg	BL	(Comply
		Cr(VI)	BL	HUAKTEST!	Comply
40	Black coating	PBBs	TAK TESTING	WTESTIN	NA
40	(silver metal screws)	PBDEs		MINIAN TO AN AND AND AND AND AND AND AND AND AND	NA
		DBP			NA
	3 STING	BBP	STING	STING	NA
	HUAKTEL	DEHP	HUAKTE	WUAK TEL	NA
		DIBP			NA
TEST	TING	Pb	BL	- UUAK TESTI	Comply
	HUAKTES	Cd	BL	©	Comply
		Hg	BL	ESTING	Comply
	THE STING	Cr(VI)	BL _N	HIAK I	Comply
41	MAK TES	PBBs	BL	HUAKTESTIL	Comply
41	Gray coating	PBDEs	BL	<u></u>	Comply
		DBP			NA
	S AK TESTING	BBP	AKTESTING		NA ******
	O HUAN	DEHP	Man	White	NA
		DIBP		-STING	NA
	V. TESTING	Pb	W TESTING	HUAK	Comply
	O HUAN	Cd	BL		Comply
		Hg	BL	" IAK TESTING	Comply
	STING WIESTING	Cr(VI)	BL ®	HU	Comply
MAN TE	Cilvon atal	PBBs	MHUA.	HUAK	NA NA
42	Silver metal	PBDEs			NA
	S TOPS	DBP	GING	anyG	NA
	HUAKTEST	BBP	HUAK TEST	PLAK TES I	NA
		DEHP	<u></u>	<u> </u>	NA
	a)G	DIBP	-245-	LAKTESTING	NA
-					

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REPORT No.: HK2405087079-1RR		RR Date	Date: May 14, 2024		
Part No.	Part Name	Part Name Restricted Result of EDXRF (1)		Result of Chemical Testing (2) (mg/kg)	Conclusion on RoHS
		Pb	BL	OX TESTING	Comply
	MAKTESTINE	Cd	BL	MINA	Comply
	9 "	Hg	BL	m6 (Comply
		Cr(VI)	BL	HUAK TEST	Comply
43	Black silicone	PBBs	BL	OKTESTIN	Comply
43	Diack Silicone	PBDEs	BL	MIN.	Comply
		DBP		N.D.	Comply
	3 STING	BBP	STING	N.D.	Comply
	HUAK TEE	DEHP	HUAKTE	N.D.	Comply
		DIBP		N.D.	Comply
ESI	TING	Pb	BL	WAK TESTI	Comply
	HUAKTES	Cd	BL		Comply
		Hg	BL	TESTING	Comply
	ng mg	Cr(VI)	BL 🌕	MAK	Comply
44	White line	PBBs	IN HUMETIN	N.D.	Comply
44	vvnite line	PBDEs	IN	N.D.	Comply
		DBP			NA
	S AK TESTING	BBP	AK TESTING		NA
	(HOM	DEHP	MIN	White	NA
		DIBP		-STING	NA
	W TESTING	Pb	BL	HUAK	Comply
	O HUAN	Cd	BL		Comply
		Hg	BL	JAK TESTING	Comply
	THE TESTING	Cr(VI)	BL	HO	Comply
HUAKIL	O'll season the	PBBs	BL	HUAKTA	Comply
45	Silver coating	PBDEs	BL		Comply
	5 mig	DBP	mG	G	NA
	HUAKTEST	BBP	HUAKTESTI	THAK TESTI	NA
	(1)	DEHP		<u> </u>	NA
		DIBP		V TESTING	NA



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REPORT	RT No.: HK2405087079-1RR Date: May 14, 2024				Page 19 of 51
Part No.	Part Name	Restricted Substances	Result of EDXRF (1)	Result of Chemical Testing (2) (mg/kg)	Conclusion on RoHS
	.0	Pb	BL	v Testinic	Comply
	HAKTESTING	Cd	BL	MANAGE	Comply
	O House	Hg	BL	-mG	Comply
		Cr(VI)	BL	HUAK TEST!	Comply
46	Silver metal	PBBs resting	HAKTESTING (III)	ON TESTIN	NA
40	Silver metal	PBDEs		MINN.	NA
		DBP			NA
	3 STING	BBP	STING	STING	NA
	HUAKTEL	DEHP	HUAKTE	MIAKTE	NA
		DIBP			NA
EST	TING	Pb	BL	WAK TEST	Comply
	HUAKTES	Cd	BL	(i)	Comply
		Hg	BL	TESTING	Comply
	ING STING	Cr(VI)	BL 💮 🚳	Mak.	Comply
47	Black fabric tape	PBBs	BL	HUAKTESTI	Comply
47	Black labile tape	PBDEs	BL		Comply
		DBP		N.D.	Comply
	S ON TESTING	BBP	OF TESTING	N.D.	Comply
	(a) HOW	DEHP	O HO	N.D.	Comply
		DIBP		N.D.	Comply
	AK TESTING	Pb	BL	HUAR	Comply
	(HOM	Cd	BL		Comply
		Hg	BL	"IAK TESTINE"	Comply
	TING OF TESTING	Cr(VI)	BL	TESTIN	Comply
48	Silver foam	PBBs	BL BL	HUAR.	Comply
40	Silver loain	PBDEs	BL		Comply
	5 -TING	DBP		-TING	NA
	HUAKTES	BBP	HUAK TES	HUAK TES.	NA
		DEHP			NA
	- G	DIBP		AKTESTING	NA

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REPORT	Г No.: HK2405087079-1I	RR Date	Date: May 14, 2024		
Part No.	Part Name	Restricted Substances	Result of EDXRF (1)	Result of Chemical Testing (2) (mg/kg)	Conclusion on RoHS
		Pb	BL	W TESTING	Comply
	LAKTESTING	(Cd	BL	MIAN	Comply
	(a) HO.	Hg	BL	- NG	Comply
		Cr(VI)	BL	WAKTESTING	Comply
10 TE	TING NAME IS STORE OF	PBBs	IN	N.D.	Comply
49	White line	PBDEs	IN	N.D.	Comply
		DBP			NA
	3 TING	BBP	TING	TING	NA
	HUAK TES	DEHP	HUAK TES	MAKTES	NA
		DIBP			NA
TESTINA	-TING	Pb	BL	MAYTESTA	Comply
	HUAK TES.	Cd	BL	<u> </u>	Comply
		Hg	BL	ESTING	Comply
	ale TING	Cr(VI)	BL 🌑	MAKELE	Comply
E LAK TE	O'I WANTES	PBBs	MUAKTES.	WAY TESTIN	NA
50	Silver metal pin	PBDEs		<u></u>	NA
		DBP			NA
	3 IX TESTING	BBP STIME	W. TESTING		NA
	O HUM	DEHP	Man	White	NA
		DIBP		-SmyG	NA
	V TESTING	Pb	W TESTING	HUAK	Comply
	MUAN MUAN	Cd	BL		Comply
		Hg	BL	LIAK TESTING	Comply
	TING WESTING	Cr(VI)	BL ^{mG}	ESTING	Comply
MEA	Diode plantin han	PBBs	BL	HUAK	Comply
51	Black plastic base	PBDEs	BL		Comply
	3 myG	DBP			NA
	HUAKTEST	BBP	HUAKTESI	THAT TEST	NA
		DEHP	<u></u>	<u></u>	NA
	an G	DIBP	mio-	LAK TESTING	NA
	TING	THE PARTY OF THE P	TIME .	THE WALL	

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REPORT	No.: HK2405087079-1F	RR Date	Date: May 14, 2024		
Part No.	Part Name	Restricted Substances	Result of EDXRF (1)	Result of Chemical Testing (2) (mg/kg)	Conclusion on RoHS
TESTING	·a	Pb	BL	V TESTING	Comply
	"IAK TESTING	Cd	BL	MINA	Comply
3	O House	Hg	BL	-no	Comply
		Cr(VI)	BL	HUAK TESTIN	Comply
FOXTE	Mhite plactic bacc	PBBs 755TMG	BL	XTESTAY	Comply
52	White plastic base	PBDEs	BL	MI HUAN	Comply
		DBP			NA
STIN	3	BBP		CTNG	NA
HUAKTES	HUAKTES	DEHP	HUAK TES	MAKTES	NA
J.G		DIBP			NA
TESTI	TING	Pb	BL	- WAKTESTIN	Comply
	HUAKTES	Cd	BL	©	Comply
		Hg	BL	TESTING	Comply
	TING O	Cr(VI)	BL 🌕	HIAK .	Comply
E SAK TE	Mhita plactic bacc	PBBs	BL	HUAKTESTI	Comply
53	White plastic base	PBDEs	BL	<u></u>	Comply
		DBP			NA
AK TESTIN	3 AKTESTING	BBP	AKTESTING		NA *******
HUPA	O HUAN	DEHP	MIND	White	NA
ESTING		DIBP		-SmyG	NA
	X TESTING	Pb	BL	HUAK	Comply
	O HUAN	Cd	BL	(Comply
,		Hg	BL	MAKTESTING	Comply
TE TE	STING WIESTING	Cr(VI)	BL	TESTING	Comply
HUAK	Cilver mestal mir	PBBs	HUP.	HUAK	NA
54	Silver metal pin	PBDEs			NA
m	3	DBP	_{my} G	Olympia	NA
HUAKTESI	HUAKTESI	BBP	HUAK TEST	THAT TEST	NA
		DEHP	<u></u>		NA
TESTING	a)G	DIBP	10	NATESTING	NA

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REPORT	No.: HK240508/0/9-1	Page 22 of 51			
Part No.	Part Name	Restricted Substances	Result of EDXRF (1)	Result of Chemical Testing (2) (mg/kg)	Conclusion on RoHS
TESTING		Pb	$OL^{\scriptscriptstyle{\textcircled{1}\!\!1}}$	7.3*10 ³	Comply
	HAKTESTING	Cd	AK TESTING BL	MUAN	Comply
3	10 m	Hg	BL		Comply
		Cr(VI)	BL	HUAKTESTI	Comply
55	Silver metal	PBBs	HAKTESTING (III)	OK TESTIM	NA
	Silver metal	PBDEs	3	● HUN	NA
		DBP			NA
	3 TSTING	BBP	ESTING	TSTING	NA
	HUAKTL	DEHP	HUAKTE	in march	NA
n)G		DIBP			NA
	STING	Pb	BL	HUAK TESTIN	Comply
	HUAKTEL	Cd	BL	<u> </u>	Comply
		Hg	BL	TESTING	Comply
	TING STING	Cr(VI)	BL	HIAM	Comply
56	White plastic base	PBBs	BL	HUAK TEST	Comply
30	Write plastic base	PBDEs	BL	<u></u>	Comply
		DBP			NA
	S LAKTESTING	BBP	LAK TSTING	- JAK TESTING	NA
	O HO.	DEHP	O HO	(1) HO.	NA
ESTING		DIBP		TESTING	NA
	ON TESTING	Pb	NY TESTING	WHUAK	Comply
	Mary Horse	Cd	BL		Comply
		Hg	BL	JUAN TESTING	Comply
	TING ON TESTING	Cr(VI)	BL	TESTING	Comply
57	Silver metal pin	PBBs	D HO	HUAN	NA
- 01	Onver metal pin	PBDEs			NA
	5 STING	DBP			NA
	HUAKTES	BBP	HUAKTES	HALAK TES	NA
	**	DEHP			NA
	TNG	DIBP	- NG-	MAKESTIN	NA



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Part No.	Part Name	Restricted Substances	Result of EDXRF (1)	Result of Chemical Testing (2) (mg/kg)	Conclusion on RoHS
TESTING		Pb	BL	V TESTING	Comply
		Cd	BL	MINA	Comply
G		Hg	BL	mg	Comply
		Cr(VI)	BL	HUAK TEST	Comply
58	Black sponge	PBBs	BL	AK TESTIM	Comply
36	viscose	PBDEs	BL	€ HUM	Comply
		DBP		N.D.	Comply
ESTIN		BBP	STING	N.D.	Comply
HUAKTE		DEHP	HUAKTE	N.D.	Comply
, NG		DIBP		N.D.	Comply
TEST	STING	Pb	BL	HUAY TESTIN	Comply
		Cd	BL	·	Comply
k :		Hg	BL	TESTING	Comply
		Cr(VI)	BL	MAK	Comply
59	Black plastic	PBBs	BL	HUAK TEST	Comply
39	black plastic	PBDEs	BL	<u> </u>	Comply
		DBP			NA
AKTESTIN		BBP	OFTESTING		NA
HOM		DEHP	O HO	Mary Horn	NA
TESTING.		DIBP		TESTING	NA
	AKTESTING	Pb	BL	HUAK	Comply
		Cd	BL	(Comply
		Hg	BL	WAY TESTING	Comply
TE		Cr(VI)	BL	TESTIN	Comply
60	Black wire	PBBs	BL BL	HUAR	Comply
00	DIACK WILE	PBDEs	BL		Comply
-7119		DBP		-myG	NA
HUAK TES		BBP	HUAK TES	THE PROPERTY OF THE STATE OF TH	NA
		DEHP			NA
TESTING		DIBP	- SVa	OK TESTING	NA

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	11 No.: 1112400007073-1111 Date: May 14, 2024			1 age 24 01 31	
Part No.	Part Name	Restricted Substances	Result of EDXRF (1)	Result of Chemical Testing (2) (mg/kg)	Conclusion on RoHS
TESTING	-1G	Pb	BL	AK TESTING	Comply
	WAKTESTING	© KOOM Cd	BL	1 HOW	Comply
		Hg 💮 💮	BL	THE .	Comply
		Cr(VI)	IN	N.D.	Comply
61×11	Silver metal gasket	PBBs	TAKTESTING (III)	OX TESTIN	NA
01	Silver metal gasket	PBDEs		€ HOW	NA
		DBP			NA
STIN	3 STING	BBP	STING	STING	NA
MAKTE	AKTE NILWITED	DEHP	HUAKTE	MAKTE	NA
niG		DIBP		_{m/G}	NA
ESTI	SIME	Pb	BL	HUAKTESTI	Comply
	HUAKTE	Cd	BL	<u> </u>	Comply
		Hg	BL	TESTING	Comply
	THE STING	Cr(VI)	BL	HIAR	Comply
62	Silver screw	PBBs	MAKTE-	HUAK TEST	NA
02	Oliver Sciew	PBDEs		<u></u>	NA
		DBP			NA
OKTESTIN	AK TESTING	BBP	LONG TO STING	OKTESTING	NA
IO.	O HO	DEHP	● HO	MD-HD	NA
TING		DIBP		(ING	NA





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Remark:

(1) (a) When conducting the test for PBBs&PBDEs, XRF was introduced to screen Br Exclusively, When conducting the test for Hexavalent Chromium, XRF was introduced to screen Chromium exclusively.

(b)Results are obtained by EDXRF for primary screening, and further chemical testing by ICP-OES (for Cd, Pb, Hg), UV-Vis (for Cr (VI)) and GC/MS (for PBBs, PBDEs) is recommended to be performed, if the concentration exceeds the below warning value according to IEC62321-3-1:2013 (unit: mg/kg)

Element	Polymer	Metal	Composite Materials	
04	BL≤(70-3σ) <x<(130+3σ)< td=""><td>BL≤(70-3σ)<x<(130+3σ)< td=""><td>1.00 47 4(450+0-) 401</td></x<(130+3σ)<></td></x<(130+3σ)<>	BL≤(70-3σ) <x<(130+3σ)< td=""><td>1.00 47 4(450+0-) 401</td></x<(130+3σ)<>	1.00 47 4(450+0-) 401	
Cd	≤OL	≤OL	LOD <x<(150+3σ) td="" ≤ol<=""></x<(150+3σ)>	
ESTING DI	BL≤(700-3σ) <x<(1300+3σ)< td=""><td>BL≤(700-</td><td>BL≤(500-</td></x<(1300+3σ)<>	BL≤(700-	BL≤(500-	
Pb	≤OL	3σ) <x<(1300+3σ) td="" ≤ol<=""><td>3σ)<x<(1500+3σ) td="" ≤ol<=""></x<(1500+3σ)></td></x<(1300+3σ)>	3σ) <x<(1500+3σ) td="" ≤ol<=""></x<(1500+3σ)>	
6	BL≤(700-3σ) <x<(1300+3σ)< td=""><td>BL≤(700-</td><td>BL≤(500-</td></x<(1300+3σ)<>	BL≤(700-	BL≤(500-	
Hg	≤OL	3σ) <x<(1300+3σ) td="" ≤ol<=""><td>3σ)<x<(1500+3σ) td="" ≤ol<=""></x<(1500+3σ)></td></x<(1300+3σ)>	3σ) <x<(1500+3σ) td="" ≤ol<=""></x<(1500+3σ)>	
Br HUN	BL≤(300-3σ) <x< td=""><td>HUAKTED</td><td>BL≤(250-3σ)<x< td=""></x<></td></x<>	HUAKTED	BL≤(250-3σ) <x< td=""></x<>	
Cr	BL≤(700-3σ) <x< td=""><td>BL≤(700-3σ)<x< td=""><td>BL≤(500-3σ)<x< td=""></x<></td></x<></td></x<>	BL≤(700-3σ) <x< td=""><td>BL≤(500-3σ)<x< td=""></x<></td></x<>	BL≤(500-3σ) <x< td=""></x<>	

- (c) BL = Below warning value, OL = Over Limit, IN = Inconclusive, LOD = Limit of Detection, -- = Not Regulated, NA = Not Applicable.
- (d) The XRF screening test for RoHS elements The reading may be different to the actual content in the sample be of non-uniformity composition.
- (2) (a) 1mg/kg = 1ppm = 0.0001%, N.D.= Not Detected (<MDL), --- = Not Conducted.
 - (b) Unit and Method Detection Limit (MDL) in wet chemical test

Test Items	Pb	Cd	Hg	DBP	BBP	DEHP	DIBP
Units	mg/kg						
MDL	2	2	2	100	100	100	100

The MDL for single compound of PBBs & PBDEs is 5 mg/kg, MDL of Cr(VI) for polymer & composite sample is 2 mg/kg and MDL of DBP, BBP, DEHP and DIBP is 30mg/kg.

(c) When Cr(VI) for metal sample is testing according to IEC 62321-7-1:2015, the unit is $\mu g/cm^2$, and the MDL is 0,10 $\mu g/cm^2$. When the Cr (VI) concentration is > the 0,13 $\mu g/cm^2$, the sample is positive for Cr(VI) and considered to contain Cr(VI); when the Cr (VI) concentration is N.D.(< the 0,10 $\mu g/cm^2$), the sample is negative for Cr(VI) and considered a non-Cr(VI) based coating; when the Cr (VI) concentration is \geq the 0,10 $\mu g/cm^2$ and \leq the 0,13 $\mu g/cm^2$, the result is considered to be inconclusive - Unavoidable coating variations may influence the determination.



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- (d) [®]RoHS Exemption: 6(c), Copper alloy containing up to 4 % lead by weight.
- (e) For necessary wet chemistry measurements (flame retardants, phthalates) components with a weight of less than 0.1 grams are not considered for testing and rating due to technical measurement reasons.

(3) The maximum permissible limit is quoted from the Directive (EU) 2015/863 - Amendment of EU RoHS Directive 2011/65/EU (RoHS 2.0) Annex II.

RoHS Restricted Substances	Maximum Concentration Value (by weight in homogenous materials)		
Lead (Pb)	0.1%		
Cadmium (Cd)	0.01%		
Mercury (Hg)	0.1%		
Hexavalent Chromium (Cr VI)	0.1%		
Polybrominated biphenyls (PBBs)	0.1%		
Polybrominated diphenylethers (PBDEs)	0.1%		
Dibutyl Phthalate (DBP)	0.1%		
Benzylbutyl Phthalate (BBP)	0.1%		
Bis-(2-ethylhexyl) Phthalate (DEHP)	0.1%		
Diisobutyl Phthalate (DIBP)	0.1%		



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RoHS Exemptions

Exemptions	HAKTESTIN HAKTESTIN	
RoHS Directive 2011/65/EU ANNEX III and (EU)2017/2102	
Exemption Items	Expires Date	
Mercury in single capped (compact) fluorescent lamps not exceeding (per burner):	MAK TESTING	
1(a), For general lighting purposes < 30 W:3,5 mg	Expires on 24 February 2023	
1(b), For general lighting purposes≥ 30 W and < 50W:3,5mg	Expires on 24 February 2023	
1(c), For general lighting purposes ≥ 50 W and < 150 W: 5 mg	Expires on 24 February 2023	
1(d), For general lighting purposes ≥ 150 W: 15 mg	Expires on 24 February 2023	
1(e), For general lighting purposes with circular or square structural shape and tube diameter ≤ 17 mm: 7 mg	Expires on 24 February 2023	
1(f)-I,For lamps designed to emit mainly light in the ultraviolet spectrum: 5 mg	Expires on 24 February 2027	
1(f)-II,For special purposes: 5 mg	Expires on 24 February 2025	
1(g),For general lighting purposes < 30 W with a lifetime equal or above 20000 h: 3,5 mg	Expires on 24 August 2023	
2(a),Mercury in double-capped linear fluorescent lamps for general lighting purposes not exceeding (per lamp):	- G HUAK I	
2(a)(1),Tri-band phosphor with normal lifetime and a tube diameter < 9 mm (e.g. T2): 4 mg	Expires on 24 February 2023	
2(a)(2),Tri-band phosphor with normal lifetime and a tube diameter ≥ 9 mm and ≤ 17 mm (e.g. T5): 3 mg	Expires on 24 August 2023	
2(a)(3),Tri-band phosphor with normal lifetime and a tube diameter > 17 mm and ≤ 28 mm (e.g. T8):3.5mg	Expires on 24 August 2023	
2(a)(4),Tri-band phosphor with normal lifetime and a tube diameter > 28 mm (e.g. T12): 5 mg	Expires on 24 February 2023	
2(a)(5),Tri-band phosphor with long lifetime (≥ 25 000 h): 5 mg	Expires on 24 February 2023	
2(b), Mercury in other fluorescent lamps not exceeding (per lamp):	TING	
2(b)(1),Linearhalophosphate lamps with tube > 28 mm (e.g. T10 and T12): 10 mg	Expires on 13 April 2012	
2(b)(2),Non-linear halophosphate lamps (all diameters): 15 mg	Expires on 13 April 2016	
2(b)(3),Non-linear tri-band phosphor lamps with tube diameter > 17 mm (e.g. T9):15mg Expires on 24 February mg may be used per lam February 2023 until 24 2025		
2(b)(4) -I, Lamps for other general lighting and special purposes (e.g. induction lamps): 15 mg	Expires on 24 February 2025	
2(b)(4) -II, Lamps emitting mainly light in the ultraviolet spectrum: 15 mg	Expires on 24 February 2027	
2(b)(4) -III, Emergency lamps: 15 mg	Expires on 24 February 2027	
3, Mercury in cold cathode fluorescent lamps and external electrode fluorescent lamps (CCFL and EEFL) for special purposes used in EEE placed on the market before 24 February 2022 not exceeding (per lamp):	LAK TESTING	

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Exemptions	aug aug
RoHS Directive 2011/65/EU ANNEX III a	nd (EU)2017/2102
Exemption Items	Expires Date
3(a), Short length (≤500 mm):3.5mg	Expires on 24 February 2025
3(b), Medium length (> 500 mm and ≤ 1 500 mm):5mg	Expires on 24 February 2025
3(c), Long length (> 1 500 mm):13mg	Expires on 24 February 2025
4(a), Mercury in other low pressure discharge lamps (per lamp):15m	g Expires on 24 February 2023
4(a)-I,Mercury in low pressure non-phosphor coated discharge lamp where the application requires the main range of the lamp-spectral of to be in the ultraviolet spectrum: up to 15 mg mercury may be used plamp	output Expires on 24 February 2027
4(b), Mercury in High Pressure Sodium (vapour) lamps for general li purposes not exceeding (per burner) in lamps with improved colour rendering index Ra > 80: P ≤ 105 W: 16 mg may be used per burner	Expires on 24 February 2027
4(b) -I,rendering indexRa > 60:P ≤155 W:30mg	Expires on 24 February 2023
4(b) -II,rendering index Ra > 60:155 W < P ≤ 405 W:40mg	Expires on 24 February 2023
4(b) -III,rendering index Ra > 60: P > 405 W:40mg	Expires on 24 February 2023
4(c),Mercury in other High Pressure Sodium (vapour) lamps for general lighting purposes not exceeding (per burner):	TESTING OF THE
4(c)-I,P ≤ 155 W:20mg	Expires on 24 February 2027
4(c)-II,155 W < P ≤ 405 W:25mg	Expires on 24 February 2027
4(c)-III,P> 405 W:25mg	Expires on 24 February 2027
4(d),Mercury in High Pressure Mercury (vapour) lamps (HPMV)	Expires on 13 April 2015
4(e),Mercury in metal halide lamps (MH)	Expires on 24 February 2027
4(f)-I,Mercury in other discharge lamps for special purposes not specifically mentioned in this Annex	Expires on 24 February 2025
4(f)-II,Mercury in high pressure mercury vapour lamps used in project where an output ≥ 2000 lumen ANSI is required	Expires on 24 February 2027
4(f)-III,Mercury in high pressure sodium vapour lamps used for hortion lighting	Expires on 24 February 2027
4(f)-IV,Mercury in lamps emitting light in the ultraviolet spectrum	Expires on 24 February 2027
4(g),Mercury in hand crafted luminous discharge tubes used for sign decorative or architectural and specialist lighting and light-artwork, we the mercury content shall be limited as follows: (a) 20 mg per electropair + 0,3 mg per tube length in cm, but not more than 80 mg, for our applications and indoor applications exposed to temperatures below 20 °C; (b) 15 mg per electrode pair + 0,24 mg per tube length in cm, but no than 80 mg, for all other indoor applications.	tdoor Expires on 31 December 2018
5(a), Lead in glass of cathode ray tubes	and C
5(b), Lead in glass of fluorescent tubes not exceeding 0,2 % by weight	ght



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Exemptions	
RoHS Directive 2011/65/EU ANNEX III and (EU)2017/2102
Exemption Items	Expires Date
6(a), Lead as an alloying element in steel for machining purposes and in galvanized steel containing up to 0,35 % lead by weight	THUS TESTING
6(a)-I,Lead as an alloying element in steel for machining purposes containing up to 0,35 % lead by weight and in batch hot dip galvanised steel components containing up to 0,2 % lead by weight	TESTING HUARA
6(b),Lead as an alloying element in aluminium containing up to 0,4 % lead by weight	TESTING ON TESTING
6(b)-I, Lead as an alloying element in aluminium containing up to 0,4 % lead by weight	O HILLS
6(b)-II, Lead as an alloying element in aluminium containing up to 0,4 % lead by weight	de de
6(c), Copper alloy containing up to 4 % lead by weight	WAKTESTIN
7(a), Lead in high melting temperature type solders (i.e. lead- based alloys containing 85 % by weight or more lead)	(a)
7(b), Lead in solders for servers, storage and storage array systems, network infrastructure equipment for switching, signalling, transmission, and network management for telecommunications	HUANTESTING HUANTESTING
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	N. TESTING
7(c)-II, Lead in dielectric ceramic in capacitors for a rated voltage of 125 V AC or 250 V DC or higher	HUAN TES TIME HUAN TESTIN OF
7(c)-III, Lead in dielectric ceramic in capacitors for a rated voltage of less than 125 V AC or 250 V DC	Expires on 1 January 2013 and after that date may be used in spare parts for EEE placed on the market before 1 January 2013
7(c)-IV, Lead in PZT based dielectric ceramic materials for capacitors being part of integrated circuits or discrete semiconductors	Expires on: -21 July 2021 for categories 1-7 and 10; -21 July 2021 for categories 8 and 9 other than in vitro diagnostic medical devices and industrial monitoring and control instruments; -21 July 2023 for category 8 in vitro diagnostic medical devices; -21 July 2024 for category 9 industrial monitoring and control instruments, and for category 11. Expires on 1 January 2012 and
8(a), Cadmium and its compounds in one shot pellet type thermal cut-offs	after that date may be used in spare parts for EEE placed on the market before 1 January 2012
8(b), Cadmium and its compounds in electrical contacts	TESTING

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	Exemptions	
RoHS Directiv	ve 2011/65/EU ANNEX III and (EU)2017/2102
Exemption Items		Expires Date
8(b)-I,Cadmium and its compounds in el - circuit breakers, - thermal sensing controls, - thermal motor protectors (excluding he - AC switches rated at: 6 A and more at more at 125 V AC and more, - DC switches rated at 20 A and more at 125 V AC and more at 125 V AC and more,	ermetic thermal motor protectors), 250 V AC and more, or 12 A and at 18 V DC and more, and	WITESTING HUAYTESTING
 switches for use at voltage supply frequent Hexavalent chromium as an anticorro cooling system in absorption refrigerator cooling solution 	sion agent of the carbon steel	
9(a)-I,Up to 0,75 % hexavalent chromiur anticorrosion agent in the cooling solution of absorption refrigerators (including mir partly with electrical heater, having an arrange at constant running conditions	on of carbon steel cooling systems nibars) designed to operate fully or	Applies to categories 1-7 and 10 and expires on 5 March 2021.
9(a)-II,Up to 0,75 % hexavalent chromiu anticorrosion agent in the cooling solution of absorption refrigerators: - designed to operate fully or partly with average utilised power input ≥ 75 W at condense to fully operate with nonelection.	electrical heater, having an constant running conditions,	Applies to categories 1-7 and 10 and expires on 21 July 2021.
9(a)-III,Up to 0,7 % hexavalent chromiur anticorrosion agent in the working fluid on gas absorption heat pumps for space ar	of the carbon steel sealed circuit of	Applies to category 1 and expires on 31 December 2026.
9(b), Lead in bearing shells and bushes compressors for heating, ventilation, air (HVACR) applications	for refrigerant-containing	Applies to categories 8, 9 and 11; expires on: - 21 July 2023 for category 8 in vitro diagnostic medical devices, - 21 July 2024 for category 9 industrial monitoring and control instruments and for category 11, - 21 July 2021 for other subcategories of categories 8 and
THE STINE OF HUMAN	THE THE OF	9.
9(b)-(I),Lead in bearing shells and bushe hermetic scroll compressors with a state below 9 kW for heating, ventilation, air c (HVACR) applications	ed electrical power input equal or	Applies to category 1; expires on 21 July 2019.
11(a), Lead used in C-press compliant p	in connector systems	May be used in spare parts for EEE placed on the market before 24 September 2010





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TING	Exemptions	THE THE
RoHS Dire	ective 2011/65/EU ANNEX III and (EU)2017/2102
Exemption Items	9	Expires Date
11(b), Lead used in other than C-pres	ss compliant pin connector systems	market before 1 January 2013
12, Lead as a coating material for the	thermal conduction module C-ring	May be used in spare parts for EEE placed on the market before 24 September 2010
13(a), Lead in white glasses used for	optical applications	Applies to all categories; expires on: - 21 July 2023 for category 8 in vitro diagnostic medical devices; - 21 July 2024 for category 9 industrial monitoring and control instruments and for category 11; - 21 July 2021 for all other categories and subcategories
13(b), Cadmium and lead in filter glas standards	sses and glasses used for reflectan	Applies to categories 8, 9 and 11; expires on: - 21 July 2023 for category 8 in vitro diagnostic medical devices; - 21 July 2024 for category 9 industrial monitoring and control instruments and for category 11; - 21 July 2021 for other subcategories of categories 8 and 9
13(b)- (I),Lead in ion coloured optical	filter glass types	TESTING TESTING
13(b)- (II), Cadmium in striking optical applications falling under point 39 of		O HOW
13(b)- (III),Cadmium and lead in glaz	es used for reflectance standards	V TESTING
14, Lead in solders consisting of more connection between the pins and the lead content of more than 80 % and I	package of micropro-cessors with	Expired on 1 January 2011 and after that date may be used in spare parts for EEE placed on the market before 1 January 2011
15, Lead in solders to complete a via	ble electrical connection between	Applies to categories 8, 9 and 11 and expires on: - 21 July 2021 for categories 8 and 9 other than in vitro diagnostic medical devices and industrial
semiconductor die and carrier within		monitoring and control instruments; - 21 July 2023 for category 8 in vitro diagnostic medical devices; - 21 July 2024 for category 9 industrial monitoring and control instruments, and for category 11.



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Exemptions	THE THE
RoHS Directive 2011/65/EU ANNEX III and (EU)2017/2102
Exemption Items	Expires Date
15(a),Lead in solders to complete a viable electrical connection between the semiconductor die and carrier within integrated circuit flip chip packages where at least one of the following criteria applies:- a semiconductor technology node of 90 nm or larger; - a single die of 300 mm2 or larger in any semiconductor technology node; - stacked die packages with die of 300 mm2 or larger, or silicon interposers of 300 mm2 or larger	Applies to categories 1 to 7 and 10 and expires on 21 July 2021.
16, Lead in linear incandescent lamps with silicate coated tubes	Expires on 1 September 2013
17, Lead halide as radiant agent in high intensity discharge (HID) lamps used for professional reprography applications	
18(a), Lead as activator in the fluorescent powder (1 % lead by weight or less) of discharge lamps when used as speciality lamps for diazoprinting reprography, lithography, insect traps,photochemical and curing processes containing phosphors such as SMS ((Sr,Ba)2MgSi2O7:Pb)	HUAK TESTING
	Expires on: - 21 July 2021 for categories 1-7 and 10; - 21 July 2021 for categories 8 and 9 other than in vitro
18(b), Lead as activator in the fluorescent powder (1 % lead by weight or less) of discharge lamps when used as sun tanning lamps containing phosphors such as BSP (BaSi ₂ O ₅ :Pb)	diagnosticmedical devices and industrial monitoring and control instruments; - 21 July 2023 for category 8 in vitro diagnostic medical devices; - 21 July 2024 for category 9 industrial monitoring and control
May Sun, Sun,	instruments, and for category 11.
18(b)-I,Lead as activator in the fluorescent powder (1 % lead by weight or less) of discharge lampscontaining phosphors such as BSP (BaSi2O5:Pb) when used in medical phototherapy equipment	Applies to categories 5 and 8, excluding applications covered byentry 34 of Annex IV, and expires on 21 July 2021.
19,Lead with PbBiSn-Hg and PbInSn-Hg in specific compositions as main amalgam and with PbSnHg as auxiliary amalgam in very compact energy saving lamps (ESL)	Expires on 1 June 2011
20,Lead oxide in glass used for bonding front and rear substrates of flat fluorescent lamps used for Liquid Crystal Displays (LCDs)	Expires on 1 June 2011



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THIS THIS	Exemptions	3 Part Sum
RoHS Dire	ective 2011/65/EU ANNEX III and	d (EU)2017/2102
Exemption Items		Expires Date
21, Lead and cadmium in printing ink glasses, such as borosilicate and soc		Applies to categories 8, 9 and 11 and expires on: - 21 July 2021 for categories 8 and 9 other than in vitro diagnostic medical devices and industrial monitoring and control instruments; - 21 July 2023 for category 8 in vitro diagnostic medical devices; - 21 July 2024 for category 9 industrial monitoring and control instruments, and for category 11.
21(a),Cadmium when used in colour functions, used as a component in lig displays and control panels of EEE		Applies to categories 1 to 7 and 10 except applications covered by entry 21(b) or entry 39 and expires on 21 July 2021
21(b),Cadmium in printing inks for the such as borosilicate and soda lime gl		Applies to categories 1 to 7 and 10 except applications covered by entry 21(a) or 39 and expires on 21 July 2021.
21(c),Lead in printing inks for the appropriate glasses	olication of enamels on other than	Applies to categories 1 to 7 and 10 and expires on 21 July 2021.
23, Lead in finishes of fine pitch compitch of 0,65 mm and less	ponents other than connectors wi	ith a May be used in spare parts for EEE placed on the market before 24 September 2010
24, Lead in solders for the soldering and planar array ceramic multilayer o		Expires on: - 21 July 2021 for categories 1-7 and 10, - 21 July 2021 for categories 8 and 9 other than in vitro diagnostic medical
25, Lead oxide in surface conduction in structural elements, notably in the		
26,Lead oxide in the glass envelope		Expires on 1 June 2011
27,Lead alloys as solder for transduction (designated to operate for several hodb SPL and above) loudspeakers		Expired on 24 September 2010



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TING TING	Exempt	ions	THE THE
HUME TEST RO	HS Directive 2011/65/EU AN	NNEX III and (EU)201	7/2102
Exemption Items		Ex	pires Date
TESTING WHILE THE	MAKTESTING HUA	an	pires on: 1 July 2021 for categories 1-7 d 10; 21 July 2021 for categories 8 and other than in vitro
29, Lead bound in crystal gla and 4) of Council Directive 69	ss as defined in Annex I (Cate 9/493/EEC (¹)	egories 1, 2, 3 dia inclins	agnosticmedical devices and dustrial monitoring and ontrol struments; 21 July 2023 for category 8 in ro diagnostic medical devices; 21 July 2024 for category 9
WAY TESTING		inc	dustrial monitoring and control struments, and for category 11.
conductors located directly or	rical/mechanical solder joints to the voice coil in transducers sound pressure levels of 100 c	to elec-trical s used in high-	LAK TESTING
31, Lead in soldering materia	ils in mercury free flat fluoresc d crystal displays, design or in	cent lamps	HUAKTES
and Krypton laser tubes	ed for making window assemb	an - 2 9 c olies for Argon mo - 2 vit - 2 inc ins	spires on: 21 July 2021 for categories 1-7 d 10, 21 July 2021 for categories 8 and other than in vitro diagnostic edical devices and industrial onitoring and control instruments, 21 July 2023 for category 8 in ro diagnostic medical devices, 21 July 2024 for category 9 dustrial monitoring and control struments, and for category 11.
diameter and less in power tr			oplies to all categories; expires
34, Lead in cermet-based trin	nmer potentiometer elements	on - 2 an - 3 9 c me mc - 2 vit - 2	21 July 2021 for categories 1-7 d 10, 21 July 2021 for categories 8 and other than in vitro diagnostic edical devices and industrial onitoring and control instruments, 21 July 2023 for category 8 in ro diagnostic medical devices, 21 July 2024 for category 9
TESTING			dustrial monitoring and control struments, and for category 11.



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	Exemptions		
RoHS Direct	ive 2011/65/EU ANNEX III and (EU)	2017/2102	
Exemption Items	Expires Date		
36, Mercury used as a cathode sputtering inhibitor in DC plasma displays with a content up to 30 mg per display		Expired on 1 July 2010	
37, Lead in the plating layer of high volt borate glass body	age diodes on the basis of a zinc	Expires on: - 21 July 2021 for categories 1-7 and 10; - 21 July 2021 for categories 8 and 9 other than in vitro diagnosticmedical devices and industrial monitoring and control instruments; - 21 July 2023 for category 8 in vitro diagnostic medical devices; - 21 July 2024 for category 9 industrial monitoring and control instruments, and for category 11.	
38, Cadmium and cadmium oxide in thi bonded beryllium oxide	MAKTEST	MURANTES THIS	
39(a), Cadmium selenide in downshiftir nanocrystal quantum dots for use in dis Cd per mm2 of display screen area)		Expires for all categories on 31 October 2019	
40, Cadmium in photoresistors for analogous professional audio equipment	ogue optocouplers applied in	Expires on 31 December 2013	
41, Lead in solders and termination finis components and finishes of printed circ and other electrical and electronic engin technical reasons must be mounted dire cylinder of hand-held combustion engin Directive 97/68/EC of the European Par	uit boards used in ignition modules ne control systems, which for ectly on or in thecrankcase or es (classes SH:1, SH:2, SH:3 of	Applies to all categories and expires on: - 31 March 2022 for categories 1 to 7, 10 and 11; - 21 July 2021 for categories 8 and 9 other than in vitro diagnosticmedical devices and industrial monitoring and control instruments; - 21 July 2023 for category 8 in vitro diagnostic medical devices; - 21 July 2024 for category 9 industrial monitoring and control instruments.	
42,Lead in bearings and bushes of dies internal combustion engines applied in equipment:- with engine total displacem total displacement < 15 litres and the enapplications where the time between signification to be less than 10 seconds; or performed in a harsh and dirty outdoor construction, and agriculture application	non-road professional use nent ≥ 15 litres; or - with engine ngine is designed to operate in gnal to start and full load is regular maintenance is typically environment, such as mining,	Applies to category 11, excluding applications covered by entry 6(c) of this Annex. Expires on 21 July 2024.	



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TING	TOVG	Exemptions	Name Of the Control o
WAKTES	RoHS Directiv	ve 2011/65/EU ANNEX III and	(EU)2017/2102
Exemption Item	S		Expires Date
designed for use use and provided human mucous r	in equipment that is not that no plasticised mat membranes or into prolo	components in engine systems it intended solely for consumer terial comes into contact with onged contact with human skin ylhexyl) phthalate does not	MURK IN
(a) 30 % by weig gaskets; or (iii) ru components usin and attached to t	ubber components including electrical, mechanical he engine	asket coatings; (ii) solid-rubber ded in assemblies of at least th I or hydraulic energy to do work	nree on 21 July 2024
referred to in poi with human skin'	nt (a). For the purposes means continuous conf	percontaining components not of this entry, 'prolonged contact tact of more than 10 minutes eriod of 30 minutes, per day	Ct WHAK TESTING
combustion engi European Parliar at fixed positions	nes within the scope of ment and of the Council	and engine control units of Regulation (EU) 2016/1628 of (4), installed in equipment use th is designed for professionals	ed Applies to category 11 and expires
45,Leaddiazide, tetroxide), lead d civil (professiona	lead styphnate, lead dip ioxide in electric and ele I) use and barium chron	oicramate, orange lead (lead ectronic initiators of explosives mate in long time pyrotechnic plosives for civil (professional) u	on 20 April 2026

** Modified History **

		iniotory	· Co
Revision	Description	Issued Data	Remark
Revision 1.0	Initial Test Report Release	2024/05/14	Jason Zhou
	- WAYTES IN	- HUAKTES III	
TESTING	W TESTING TESTING	A TESTING (B)	TESTING IN TESTING





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Photo(s) of the sample(s)





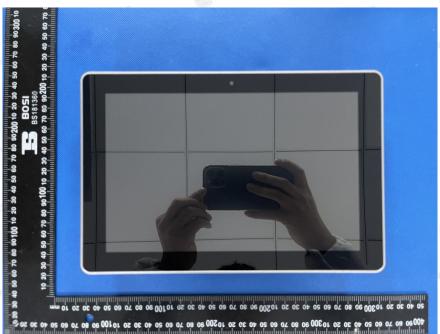
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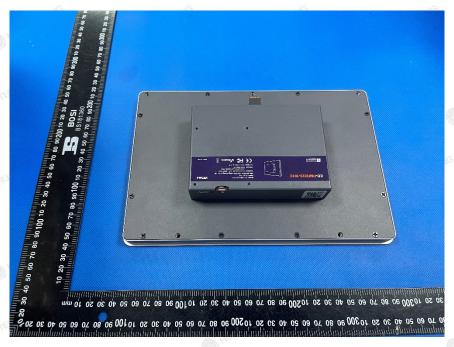
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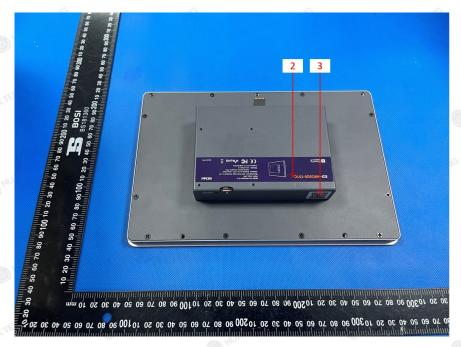
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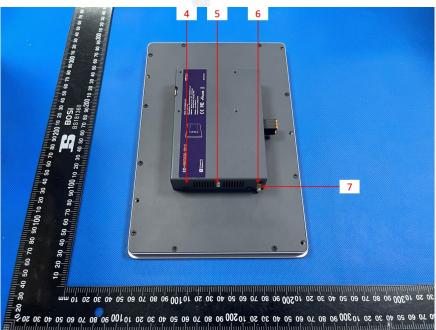






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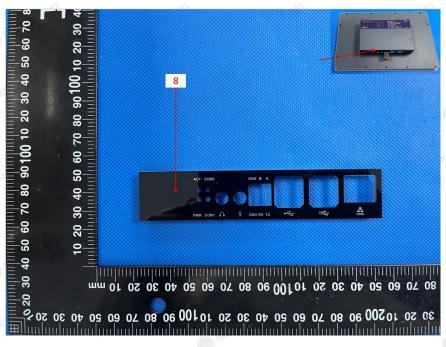


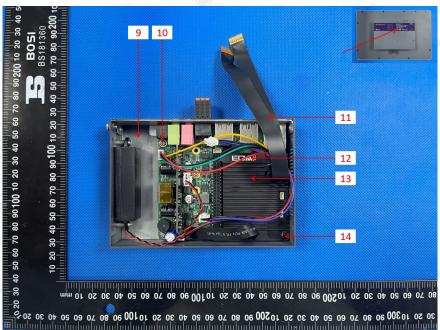
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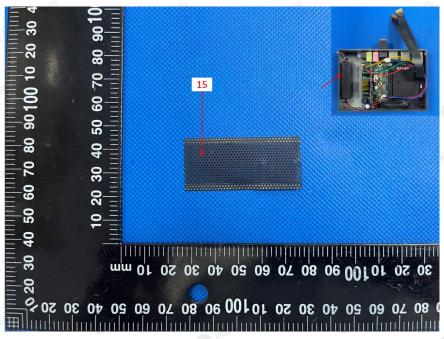
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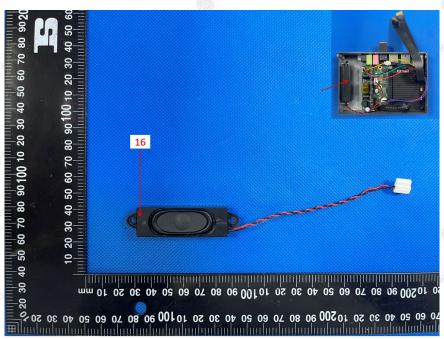






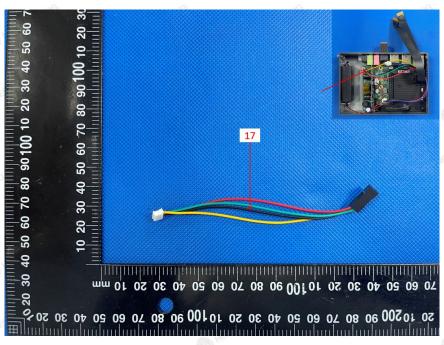
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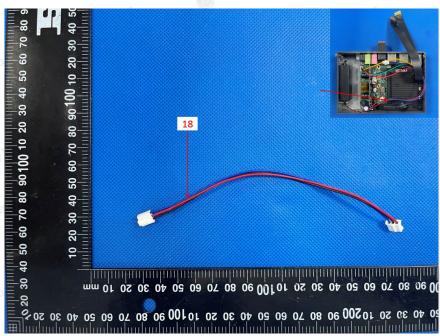






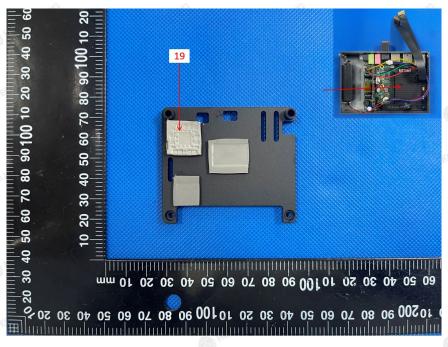
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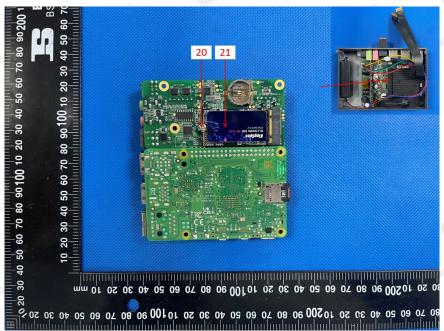






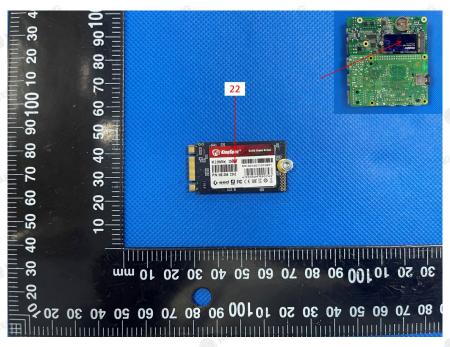
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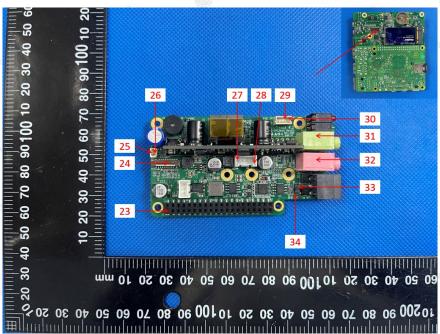






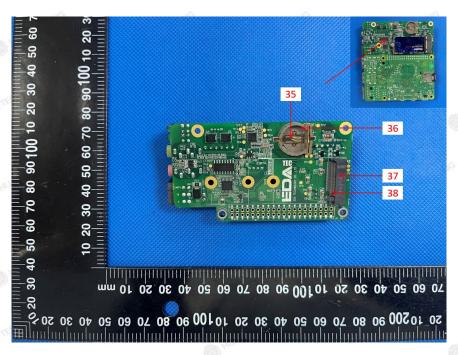
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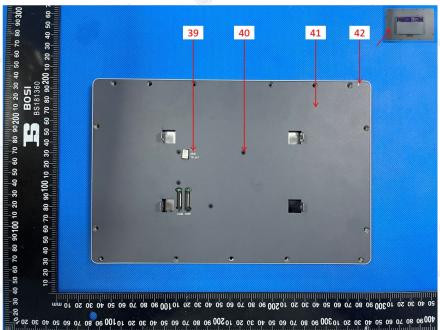






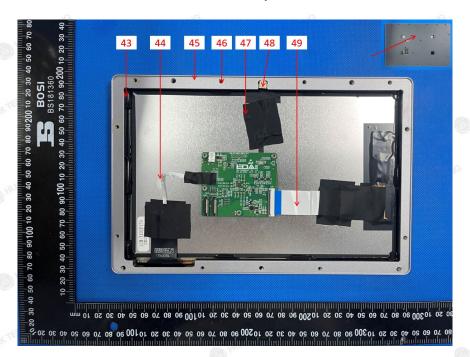
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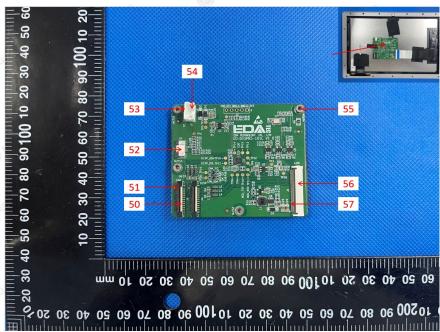






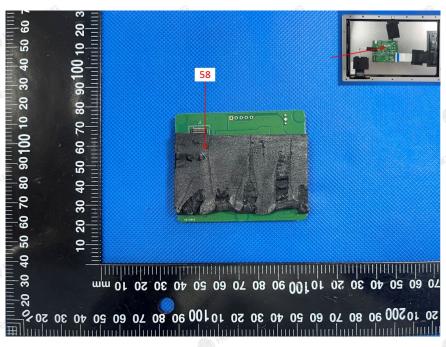
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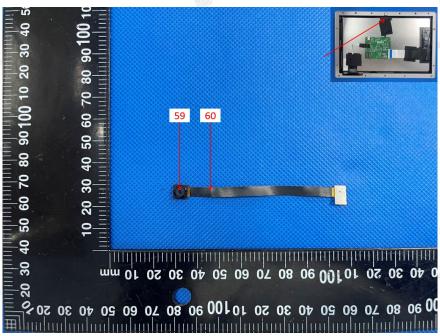






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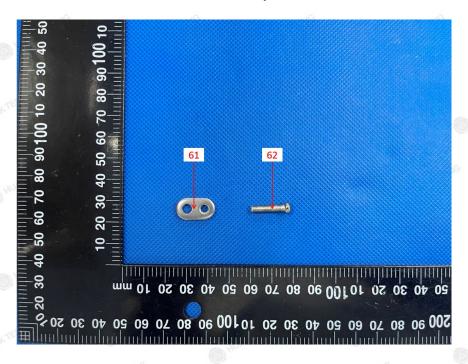




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