TCT通测检测 TESTING CENTRE TECHNOLOGY

Test Report

Report No. : TCT191125	C007 Date : E	Dec. 18, 2019	Page No.: 1 of 43
Applicant:	Shenzhen HDCVT Technolog	gy Co.,Ltd	
Address:	Floor 7, Building 5, Lihe indu	ustrial Park SongBai Rd,	, Nanshan District,
	Shenzhen, GuangDong Chin	a 🕢	
The following sample v Sample Name: Model No.:	as submitted and identified b 50m Cat.6 HDMI 18G & IR Ex HDV-BE50	-	
Client Reference Information:	HDC-E5100W, HDN-E9100, H HDC-E5100, HDCRX-EHB70 HDC-EHB50EARC, HDC-EH9 HDV-EB100KVM, HDP-EA90 HDC-EHB100AUE/AE, HDM-	UPSE, HDV-EB100CF, HI 970AU, HDC-EW91K, HD 1, HDC-E5100P, HDC-E5	DN-EN9100HTR, V-EB100CC, 100K,
	HDV-BE50P, HDV-F02, HDC- HBT-WPB70T, HBT-WPB210 HDC-WP20HUTW/B, HDC-W HDV-E50NU, HDV-E100U, H HDV-EU2050, HDV-EU2100, HBT-WP200U+WPC01, HDC HDV-EU2050/2100, HDV-W8	EHB70A/U, HDC-EHB100 T, HDC-WP10HUTW/B, H /P20HDTW/B, HDC-WP50 DV-E150C, HDP-BNT1K, HDC-EHB150CG, HDC-E -WP100U2, HBT-E70S, H	DAE/AUE, IDC-WP10HDTW/B, DHUW/B, HDV-E50C, HDV-CTL100, EDB50C,
Sample Received Date:	2019.11.25		
Testing Period:	2019.11.25—2019.12.18		
Test Requested:	According to customer's requ Cd, Hg, Cr(VI), PBBs & PBDE	Es, DBP, BBP, DEHP, DIBI	P content of the parts.
Test Method:	 Sample prepared with refe Sample Screening testing 		
	 Wet Chemical Test Metho a. Determination of Lead 62321-5:2013 		vith reference to IEC
	62321-4:2013+AMD1:20		
	c. Determination of Hexa	valent Chromium in colou ings on metals by UV-VIS	
	UV-Vis Method with reference of PBBs	valent Chromium in polyn ence to IEC 62321-7-2:20 s and PBDEs by GC-MS v	017.
	62321-6:2015		CC MS with reference
	to IEC 62321-8:2017	BBP, DEHP and DIBP by	
Test Result(s):	Please refer to the following p	age(s).	
Conclusion:	Base upon the performed tes with the limits as set by Dire Directive 2011/65/EU (RoHS	sts by submitted sample, active (EU) 2015/863 - Ar	
Checked by		Signed for and on	behalf of TCT
Noel Yin		fim th	my TC
Noel Yin			
		Kim Zha	
		Technical Ma	anager



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Test Result(s):

Part No.	Part Description	Restricted Substances	Result of EDXRF (1)	Result of Chemical Testing (2) (mg/kg)	Conclusion on RoHS	Data Submitted / Resubmitted Date
		Pb	BL		Comply	
		Cd	BL		Comply	
(Hg	BL		Comply	(\mathbf{C})
		Cr(VI)	BL		Comply	
	Silvery color	PBBs			NA	Nov. 05, 0040
1	metal with	PBDEs			NA	Nov. 25, 2019
	black plating	DBP		<u>k</u>	NA	
		BBP			NA	
		DEHP	(%		NA	
6		DIBP			NA	
		Pb	BL		Comply	
		Cd	BL		Comply	(A)
		Hg	BL	<u>(</u> C)	Comply	G)
	Silvery color	Cr(VI)	BL		Comply	
	metal screw	PBBs			NA	
2	with black	PBDEs)	NA	Nov. 25, 2019
	plating	DBP			NA	
	1 0	BBP			NA	
		DEHP			NA	
		DIBP			NA	
		Pb	BL		Comply	
		Cd	BL		Comply	
S		Hg	BL	/	Comply	
		Cr(VI)	BL		Comply	
	Silvery color	PBBs			NA	
3	metal screw	PBDEs)	KC)	NA	Nov. 25, 2019
		DBP			NA	
		BBP			NA	<u></u>
$\langle \mathcal{C} \rangle$		DEHP	<u>(</u> C))	NA	(\mathbf{C})
		DIBP			NA	



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Part No.	Part Description	Restricted Substances	Result of EDXRF (1)	Result of Chemical Testing (2) (mg/kg)	Conclusion on RoHS	Data Submitted / Resubmitted Date
		Pb	BL		Comply	
		Cd	BL		Comply	
		Hg	BL)	Comply	(\mathbf{c})
		Cr(VI)	BL		Comply	
	White soft	PBBs	BL		Comply	Nov. 25, 2019
4	plastic	PBDEs	BL		Comply	Dec. 04, 2019
		DBP		N.D.	Comply	
		BBP		N.D.	Comply	
		DEHP		N.D.	Comply	
No.		DIBP		N.D.	Comply	
		Pb	BL		Comply	
		Cd	BL		Comply	
		Hg 🔇	BL	<u>(</u> C)	Comply	(C)
		Cr(VI)	BL		Comply	
E	Silvery color	PBBs			NA	Nov. 25, 2019
5	metal	PBDEs	(<)	NA	1000. 25, 2019
		DBP			NA	
		BBP			NA	
		DEHP)		NA	(C)
		DIBP			NA	
		Pb	BL		Comply	
		Cd	BL)	Comply	(\mathbf{G})
		Hg	BL		Comply	
		Cr(VI)	BL		Comply	
6	Silvery color	PBBs			NA	Nov 25 2010
U	metal pin	PBDEs		X	NA	Nov. 25, 2019
		DBP			NA	
		BBP			NA	
KU I		DEHP	&	/	NA	
		DIBP			NA	



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Part No.	Part Description	Restricted Substances	Result of EDXRF (1)	Result of Chemical Testing (2) (mg/kg)	Conclusion on RoHS	Data Submitted / Resubmitted Date
		Pb	BL		Comply	
		Cd	BL		Comply	
		Hg	BL		Comply	(G)
		Cr(VI)	BL		Comply	
7	One relation	PBBs	BL		Comply	Nov. 25, 2019
7	Grey plastic	PBDEs	BL	<u></u>	Comply	Dec. 04, 2019
		DBP		N.D.	Comply	
		BBP		N.D.	Comply	
		DEHP		N.D.	Comply	
S.		DIBP		N.D.	Comply	
		Pb	BL		Comply	
		Cd	BL	7	Comply	
		Hg 🔇	BL	<u>(</u> 0)	Comply	(C)
		Cr(VI)	BL		Comply	
	Disalgata	PBBs	BL		Comply	Nov. 25, 2019
8	Black plastic	PBDEs	BL)	Comply	Dec. 04, 2019
		DBP		N.D.	Comply	
		BBP		N.D.	Comply	
		DEHP G)	N.D.	Comply	
		DIBP		N.D.	Comply	
		Pb	BL		Comply	
		Cd	BL		Comply	(\mathbf{G})
		Hg	BL		Comply	
		Cr(VI)	BL		Comply	
9	Silvery color	PBBs		-	NA	Nov 25 2010
Э	metal	PBDEs		<u>k</u>	NA	Nov. 25, 2019
		DBP			NA	
		BBP	(NA	
S.		DEHP)	NA	
		DIBP			NA	



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Part No.	Part Description	Restricted Substances	Result of EDXRF (1)	Result of Chemical Testing (2) (mg/kg)	Conclusion on RoHS	Data Submitted / Resubmitted Date
		Pb	BL		Comply	
		Cd	BL		Comply	
(Hg	BL		Comply	(\mathbf{C})
		Cr(VI)	BL		Comply	
10	Silvery color	PBBs			NA	Nov. 05, 0040
10	metal	PBDEs		<u></u>	NA	Nov. 25, 2019
		DBP		<u>k</u>	NA	
		BBP			NA	
		DEHP			NA	
S.		DIBP			NA	
		Pb	BL		Comply	
		Cd	BL	7	Comply	
		Hg 🔇	BL	<u>(</u> C)	Comply	$\langle G \rangle$
		Cr(VI)	BL		Comply	
	Silvery color	PBBs			NA	
11	metal pin	PBDEs)	NA	Nov. 25, 2019
		DBP			NA	
		BBP			NA	
		DEHP C)		NA	
		DIBP			NA	
		Pb	BL		Comply	
		Cd	BL		Comply	
		Hg	BL		Comply	
		Cr(VI)	BL		Comply	
		PBBs	BL		Comply	Nov. 25, 2019
12	Grey plastic	PBDEs	BL	KO S	Comply	Dec. 04, 2019
		DBP		N.D.	Comply	
		BBP	()	N.D.	Comply	
(())		DEHP	({C})	N.D.	Comply	
		DIBP		N.D.	Comply	



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Part No.	Part Description	Restricted Substances	Result of EDXRF (1)	Result of Chemical Testing (2) (mg/kg)	Conclusion on RoHS	Data Submitted / Resubmitted Date
		Pb	BL		Comply	
		Cd	BL		Comply	
(c)		Hg	BL		Comply	(\mathbf{C})
\sim		Cr(VI)	BL		Comply	
10	Silvery color	PBBs			NA	Nov 25 0010
13	metal	PBDEs			NA	Nov. 25, 2019
		DBP			NA	
		BBP			NA	
		DEHP			NA	
8		DIBP			NA	
		Pb	BL		Comply	
		Cd	BL		Comply	- As
		Hg 🔇	BL	<u>(</u> C)	Comply	G)
		Cr(VI)	BL		Comply	
	Silvery color	PBBs			NA	
14	metal pin	PBDEs			NA	Nov. 25, 2019
	-	DBP			NA	
		BBP			NA	
		DEHP)		NA	(S)
		DIBP			NA	
		Pb	BL		Comply	
		Cd	BL		Comply	
S		Hg	BL		Comply	
		Cr(VI)	BL		Comply	
	Silvery color	PBBs			NA	
15	metal pin	PBDEs)	<u>k</u> O)	NA	Nov. 25, 2019
	•	DBP			NA	
		BBP	()		NA	
		DEHP	(<)	NA	(<u>(</u> G))
		DIBP			NA	



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Part No.	Part Description	Restricted Substances	Result of EDXRF (1)	Result of Chemical Testing (2) (mg/kg)	Conclusion on RoHS	Data Submitted / Resubmitted Date
		Pb	BL		Comply	
		Cd	BL		Comply	
		Hg	BL)	Comply	(\mathcal{C})
		Cr(VI)	BL		Comply	
10		PBBs	BL		Comply	Nov. 25, 2019
16	Green LED	PBDEs	BL		Comply	Dec. 04, 2019
		DBP		N.D.	Comply	
		BBP		N.D.	Comply	
		DEHP		N.D.	Comply	
S		DIBP		N.D.	Comply	
		Pb	BL		Comply	
		Cd	BL	7	Comply	
		Hg 🔇	BL	<u>(</u> 6)	Comply	(\mathbf{C})
		Cr(VI)	BL		Comply	
47		PBBs	BL		Comply	Nov. 25, 2019
17	Yellow LED	PBDEs	BL)	Comply	Dec. 04, 2019
		DBP		N.D.	Comply	
		BBP		N.D.	Comply	
		DEHP G)	N.D.	Comply	(C)
		DIBP		N.D.	Comply	
		Pb	BL		Comply	
		Cd	BL		Comply	(\mathbf{c})
		Hg	BL		Comply	
		Cr(VI)	BL		Comply	
10	Vallauralastia	PBBs	IN	N.D.	Comply	Nov. 25, 2019
18	Yellow plastic	PBDEs	IN	N.D.	Comply	Dec. 04, 2019
		DBP		N.D.	Comply	
		BBP		N.D.	Comply	
KO.		DEHP		N.D.	Comply	
		DIBP		N.D.	Comply	



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Part No.	Part Description	Restricted Substances	Result of EDXRF (1)	Result of Chemical Testing (2) (mg/kg)	Conclusion on RoHS	Data Submitted / Resubmitted Date
		Pb	BL		Comply	
		Cd	BL		Comply	
(C)		Hg	BL		Comply	(\mathbf{C})
	Diask	Cr(VI)	BL		Comply	
10	Black	PBBs	BL		Comply	Nov. 05, 0040
19	electronic	PBDEs	BL		Comply	Nov. 25, 2019
	component	DBP		<u>k</u>	NA	
		BBP			NA	
		DEHP	(*		NA	
No.		DIBP)	NA	
		Pb	BL		Comply	
		Cd	BL	7	Comply	
		Hg 🔇	BL	<u>(</u> C)	Comply	(\mathcal{O})
	Olliversi seler	Cr(VI)	BL		Comply	
20	Silvery color	PBBs	BL		Comply	NI- 05 0040
20	electronic	PBDEs	BL)	Comply	Nov. 25, 2019
	component	DBP			NA	
		BBP			NA	
		DEHP		÷	NA	(G)
		DIBP			NA	
		Pb	BL		Comply	
		Cd	BL		Comply	
		Hg	BL		Comply	
		Cr(VI)	BL		Comply	
	Black	PBBs	BL	-	Comply	
21		PBDEs	BL	<u>k</u>	Comply	Nov. 25, 2019
	component	DBP			NA	
		BBP	(*		NA	
KC)		DEHP)	NA	
		DIBP			NA	



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Part No.	Part Description	Restricted Substances	Result of EDXRF (1)	Result of Chemical Testing (2) (mg/kg)	Conclusion on RoHS	Data Submitted / Resubmitted Date
		Pb	BL		Comply	
		Cd	BL		Comply	
		Hg	BL		Comply	(\mathbf{G})
	Disala	Cr(VI)	BL		Comply	
	Black	PBBs	BL		Comply	NL 05 0040
22	electronic	PBDEs	BL	<u>-</u>	Comply	Nov. 25, 2019
	component	DBP			NA	
		BBP			NA	
		DEHP			NA	
S.		DIBP			NA	
		Pb	BL		Comply	
		Cd	BL	7	Comply	
	Diack	Hg 🌾	BL		Comply	(C)
		Cr(VI)	BL		Comply	
00	Black	PBBs	BL		Comply	Nov. 05, 0040
23	electronic	PBDEs	BL)	Comply	Nov. 25, 2019
	component	DBP			NA	
		BBP			NA	
		DEHP G)	$\frac{1}{2}$	NA	(C)
		DIBP			NA	
		Pb	BL		Comply	
(C)		Cd	BL		Comply	(G)
		Hg	BL		Comply	
	Disala	Cr(VI)	BL		Comply	
04	Black	PBBs	BL		Comply	
24	electronic	PBDEs	BL	<u>k</u>	Comply	Nov. 25, 2019
	component	DBP			NA	
		BBP			NA	
S.		DEHP)	NA	
		DIBP			NA	



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Part No.	Part Description	Restricted Substances	Result of EDXRF (1)	Result of Chemical Testing (2) (mg/kg)	Conclusion on RoHS	Data Submitted / Resubmitted Date
		Pb	BL		Comply	\sim
		Cd	BL		Comply	
(c)		Hg	BL		Comply	
		Cr(VI)	BL		Comply	, C
	Black	PBBs	BL		Comply	
25	electronic	PBDEs	BL		Comply	Nov. 25, 2019
	component	DBP		<u>ko</u>	NA	
		BBP			NA	
		DEHP	(*		NA	
60)		DIBP	(C))	NA	
		Pb	BL		Comply	
		Cd	BL		Comply	
		Hg 🔇	BL	$(\underline{\zeta})$	Comply	(G)
		Cr(VI)	BL		Comply	
	a	PBBs			NA	
26	Solder	PBDEs	(C))	NA	Nov. 25, 2019
		DBP			NA	
		BBP			NA	
		DEHP)	()	NA	(C)
		DIBP			NA	
		Pb	BL		Comply	
6		Cd	BL		Comply	
		Hg	BL		Comply	, C
		Cr(VI)	BL		Comply	
07		PBBs	IN	N.D.	Comply	Nov. 25, 2019
27	Blue PCB	PBDEs	IN	N.D.	Comply	Dec. 04, 2019
		DBP		N.D.	Comply	
		BBP		N.D.	Comply	
<u>k</u> 0)		DEHP	<u> </u>	N.D.	Comply	
		DIBP		N.D.	Comply	



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Part No.	Part Description	Restricted Substances	Result of EDXRF (1)	Result of Chemical Testing (2) (mg/kg)	Conclusion on RoHS	Data Submitted / Resubmitted Date
		Pb	BL		Comply	
		Cd	BL		Comply	
		Hg	BL		Comply	(\mathbf{c})
	<u>Oiltean a slan</u>	Cr(VI)	BL		Comply	
	Silvery color	PBBs			NA	D 40. 0040
28	metal with	PBDEs		<u></u>	NA	Dec. 12, 2019
	black plating	DBP			NA	
		BBP			NA	
		DEHP			NA	
S.		DIBP			NA	
		Pb	BL		Comply	
		Cd	BL	7	Comply	
		Hg 🔇	BL	<u>(</u> C)	Comply	(\mathbf{G})
		Cr(VI)	BL		Comply	
29 ^(R)	Silvery color	PBBs			NA	Dec 18 2010
29	metal screw	PBDEs	(,C))	NA	Dec. 18, 2019
		DBP			NA	
		BBP			NA	
		DEHP)	$\frac{1}{2}$	NA	
		DIBP			NA	
		Pb	BL		Comply	
		Cd	BL		Comply	(\mathbf{c})
		Hg	BL		Comply	
		Cr(VI)	BL		Comply	
30	Silvery color	PBBs			NA	Dec 12 2010
30	metal nut	PBDEs		X	NA	Dec. 12, 2019
		DBP			NA	
		BBP			NA	
No.		DEHP		/	NA	
		DIBP			NA	



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Part No.	Part Description	Restricted Substances	Result of EDXRF (1)	Result of Chemical Testing (2) (mg/kg)	Conclusion on RoHS	Data Submitted / Resubmitted Date
		Pb	BL		Comply	
		Cd	BL		Comply	
G		Hg	BL		Comply	(\mathcal{C})
	Silvery color	Cr(VI)	BL		Comply	
31	metal screw	PBBs			NA	Dec 12 2010
31	with black	PBDEs		<u>-</u>	NA	Dec. 12, 2019
	plating	DBP		<u>k</u>	NA	
		BBP			NA	
		DEHP	(K		NA	
S.		DIBP			NA	
		Pb	BL		Comply	
		Cd	BL		Comply	
		Hg 🔇	BL	<u>(</u> C)	Comply	(\mathcal{O})
		Cr(VI)	BL		Comply	
	Silvery color	PBBs			NA	
32	metal	PBDEs)	NA	Dec. 12, 2019
		DBP			NA	
		BBP			NA	
		DEHP)		NA	
		DIBP			NA	
		Pb	BL		Comply	
(c)		Cd	BL		Comply	
		Hg	BL		Comply	, C
		Cr(VI)	BL		Comply	
	Lt. grey soft	PBBs	BL	-	Comply	Dec. 12, 2019
33	plastic	PBDEs	BL	<u>k</u>	Comply	Dec. 17, 2019
		DBP		N.D.	Comply	
		BBP	()	N.D.	Comply	
(())		DEHP	<u> </u>	N.D.	Comply	
		DIBP		N.D.	Comply	



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		Pb	BL		Comply	
		Cd	BL		Comply	
		Hg	BL		Comply	(\mathcal{G})
		Cr(VI)	BL		Comply	
34	Silvery color	PBBs			NA	Dec 12 2010
34	metal	PBDEs		<u> </u>	NA	Dec. 12, 2019
		DBP			NA	
		BBP			NA	
		DEHP			NA	
No.		DIBP			NA	
		Pb	BL		Comply	
		Cd	BL	7	Comply	
		Hg 🔇	BL	<u>(</u> C)	Comply	$\langle G \rangle$
		Cr(VI)	BL		Comply	
0.5	Silvery color	PBBs			NA	D 40 0040
35	metal	PBDEs			NA	Dec. 12, 2019
		DBP			NA	
		BBP			NA	
		DEHP)	()	NA	(G)
		DIBP			NA	
		Pb	BL		Comply	
		Cd	BL		Comply	
		Hg	BL		Comply	No.
		Cr(VI)	BL		Comply	
		PBBs	IN	N.D.	Comply	Dec. 12, 2019
36	Brown plastic	PBDEs	IN	N.D.	Comply	Dec. 17, 2019
		DBP		N.D.	Comply	
		BBP	(k	N.D.	Comply	
(S)		DEHP	({C})	N.D.	Comply	$\langle \langle \mathcal{O} \rangle \rangle$
		DIBP		N.D.	Comply	



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		Pb	BL		Comply	
		Cd	BL		Comply	
(0)		Hg	BL		Comply	(\mathbf{C})
		Cr(VI)	BL		Comply	
07	Orevenlegtie	PBBs	IN	N.D.	Comply	Dec. 12, 2019
37	Grey plastic	PBDEs	IN	N.D.	Comply	Dec. 17, 2019
		DBP		N.D.	Comply	
		BBP		N.D.	Comply	
		DEHP		N.D.	Comply	
S.		DIBP		N.D.	Comply	
		Pb	BL		Comply	
		Cd	BL	7	Comply	
		Hg 🔇	BL	$\frac{1}{2}$	Comply	(G)
		Cr(VI)	BL		Comply	
20	Silvery color	PBBs			NA	Dec. 40, 0040
38	metal	PBDEs)	NA	Dec. 12, 2019
		DBP			NA	
		BBP			NA	
		DEHP		$\frac{1}{2}$	NA	
		DIBP			NA	
		Pb	BL		Comply	
		Cd	BL		Comply	(\mathbf{c})
		Hg	BL		Comply	
		Cr(VI)	BL		Comply	
20	Silvery color	PBBs		-	NA	Dec 12 2010
39	metal pin	PBDEs		<u>k</u>	NA	Dec. 12, 2019
		DBP			NA	
		BBP	()		NA	
S.		DEHP)	NA	
		DIBP			NA	



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Part No.	Part Description	Restricted Substances	Result of EDXRF (1)	Result of Chemical Testing (2) (mg/kg)	Conclusion on RoHS	Data Submitted / Resubmitted Date
		Pb	BL		Comply	
		Cd	BL		Comply	
(Hg	BL		Comply	(\mathcal{C})
		Cr(VI)	BL		Comply	
40	Crovenlastia	PBBs	BL		Comply	Dec. 12, 2019
40	Grey plastic	PBDEs	BL		Comply	Dec. 17, 2019
		DBP		N.D.	Comply	
		BBP		N.D.	Comply	
		DEHP		N.D.	Comply	
		DIBP		N.D.	Comply	
		Pb	BL		Comply	
		Cd	BL	7	Comply	
		Hg 🎸	BL	<u>k</u> 0)	Comply	\mathcal{O}
		Cr(VI)	BL		Comply	
41	Yellow plastic	PBBs	IN	N.D.	Comply	Dec. 12, 2019
40	renow plastic	PBDEs	IN	N.D.	Comply	Dec. 17, 2019
		DBP		N.D.	Comply	
		BBP		N.D.	Comply	
		DEHP)	N.D.	Comply	$\langle \mathcal{O} \rangle$
		DIBP		N.D.	Comply	
		Pb	BL		Comply	
		Cd	BL		Comply	(\mathbf{C})
		Hg	BL		Comply	
		Cr(VI)	BL		Comply	
42	Silvery color metal	PBBs			NA	Dec. 12, 2019
42		PBDEs			NA	Dec. 12, 2019
		DBP			NA	
		BBP			NA	
No.		DEHP		/	NA	
		DIBP			NA	



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Part No.	Part Description	Restricted Substances	Result of EDXRF (1)	Result of Chemical Testing (2) (mg/kg)	Conclusion on RoHS	Data Submitted / Resubmitted Date
		Pb	BL		Comply	
		Cd	BL		Comply	
(c)		Hg	BL		Comply	
		Cr(VI)	BL		Comply	
43	Silvery color	PBBs			NA	Dec 10 0010
43	metal pin	PBDEs			NA	Dec. 12, 2019
		DBP			NA	
		BBP			NA	
		DEHP			NA	
KU I		DIBP			NA	
		Pb	BL		Comply	
		Cd	BL	7	Comply	
		Hg 🔇	BL	<u>(</u> C)	Comply	$\langle G \rangle$
		Cr(VI)	BL		Comply	
<u>.</u>	Silvery color	PBBs			NA	D 40 0040
44	metal pin	PBDEs)	NA	Dec. 12, 2019
		DBP			NA	
		BBP			NA	
		DEHP)	(, , , , , , , , , , , , , , , , , , ,	NA	
		DIBP			NA	
		Pb	BL		Comply	
6		Cd	BL		Comply	
		Hg	BL		Comply	
		Cr(VI)	BL		Comply	
45		PBBs	BL	-	Comply	Dec. 12, 2019
45	Yellow LED	PBDEs	BL	<u>k</u>	Comply	Dec. 17, 2019
		DBP		N.D.	Comply	
		BBP	(*	N.D.	Comply	
<u>k</u> 0)		DEHP	<u> </u>	N.D.	Comply	
		DIBP		N.D.	Comply	



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Part No.	Part Description	Restricted Substances	Result of EDXRF (1)	Result of Chemical Testing (2) (mg/kg)	Conclusion on RoHS	Data Submitted / Resubmitted Date
		Pb	BL		Comply	
		Cd	BL		Comply	
		Hg	BL		Comply	(\mathbf{c})
S		Cr(VI)	BL		Comply	
40		PBBs	BL		Comply	Dec. 12, 2019
46	Green LED	PBDEs	BL	.	Comply	Dec. 17, 2019
		DBP		N.D.	Comply	
		BBP		N.D.	Comply	
		DEHP	(*	N.D.	Comply	
No.		DIBP		N.D.	Comply	
		Pb	BL		Comply	
		Cd	BL	7	Comply	
		Hg 🔇	BL	$\frac{1}{2}$	Comply	(C)
		Cr(VI)	BL		Comply	
47	Disalguiantia	PBBs	BL		Comply	Dec. 12, 2019
47	Black plastic	PBDEs	BL)	Comply	Dec. 17, 2019
		DBP		N.D.	Comply	
		BBP		N.D.	Comply	
		DEHP)	N.D.	Comply	
		DIBP		N.D.	Comply	
		Pb	BL		Comply	
		Cd	BL		Comply	G
		Hg	BL		Comply	
		Cr(VI)	BL		Comply	
48	Silvery color	PBBs		-	NA	Dec 12 2010
48	metal	PBDEs		<u>k</u>	NA	Dec. 12, 2019
		DBP			NA	
		BBP	(*		NA	
KO.		DEHP)	NA	
		DIBP			NA	



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Part No.	Part Description	Restricted Substances	Result of EDXRF (1)	Result of Chemical Testing (2) (mg/kg)	Conclusion on RoHS	Data Submitted / Resubmitted Date
		Pb	BL		Comply	
		Cd	BL		Comply	
(C)		Hg	BL)	Comply	(\mathcal{C})
		Cr(VI)	BL		Comply	
40		PBBs	IN	N.D.	Comply	Dec. 12, 2019
49	Lt. grey plastic	PBDEs	IN	N.D.	Comply	Dec. 17, 2019
		DBP		N.D.	Comply	
		BBP		N.D.	Comply	
		DEHP		N.D.	Comply	
S		DIBP		N.D.	Comply	
		Pb	BL		Comply	
		Cd	BL	7	Comply	
		Hg 🔇	BL	<u>k</u> 0)	Comply	(\mathbf{C})
		Cr(VI)	BL		Comply	
50	Plack plastic	PBBs	BL		Comply	Dec. 12, 2019
50	Black plastic	PBDEs	BL)	Comply	Dec. 17, 2019
		DBP		N.D.	Comply	
		BBP		N.D.	Comply	
	(\mathbf{C})	DEHP C)	N.D.	Comply	G
		DIBP		N.D.	Comply	
		Pb	BL		Comply	
(C)		Cd	BL)	Comply	(\mathbf{c})
		Hg	BL		Comply	
		Cr(VI)	BL		Comply	
51	Copper color	PBBs			NA	Dec. 12, 2019
51	metal pin	PBDEs		X	NA	Dec. 12, 2019
		DBP			NA	
		BBP	(~~		NA	
No.		DEHP)	NA	
		DIBP			NA	



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Part No.	Part Description	Restricted Substances	Result of EDXRF (1)	Result of Chemical Testing (2) (mg/kg)	Conclusion on RoHS	Data Submitted / Resubmitted Date
		Pb	BL		Comply	
		Cd	BL		Comply	
		Hg	BL		Comply	(\mathbf{c})
		Cr(VI)	BL		Comply	
50	Silvery color	PBBs			NA	D
52	metal	PBDEs		-	NA	Dec. 12, 2019
		DBP		<u>k</u>	NA	\mathbf{S}
		BBP			NA	
		DEHP	(%		NA	
KC.		DIBP	(C))	NA	
		Pb	BL		Comply	
		Cd	BL	77	Comply	
		Hg 🔇	BL	<u>(</u> C)	Comply	(G)
		Cr(VI)	BL		Comply	
	Silvery color	PBBs			NA	
53	metal pin	PBDEs)	NA	Dec. 12, 2019
		DBP			NA	
		BBP			NA	
		DEHP)		NA	(\mathcal{C})
		DIBP			NA	
		Pb	BL		Comply	
		Cd	BL		Comply	
		Hg	BL		Comply	
		Cr(VI)	BL		Comply	
		PBBs	BL		Comply	Dec. 12, 2019
54	Grey plastic	PBDEs	BL	K	Comply	Dec. 17, 2019
		DBP		N.D.	Comply	
		BBP	(k	N.D.	Comply	
		DEHP	(30)	N.D.	Comply	((3))
		DIBP		N.D.	Comply	



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Part No.	Part Description	Restricted Substances	Result of EDXRF (1)	Result of Chemical Testing (2) (mg/kg)	Conclusion on RoHS	Data Submitted / Resubmitted Date
		Pb	BL		Comply	
		Cd	BL		Comply	
		Hg	BL		Comply	
S		Cr(VI)	BL		Comply	
	Black	PBBs	BL		Comply	5 40 0040
55	electronic	PBDEs	BL		Comply	Dec. 12, 2019
	component	DBP		<u>k</u>	NA	
		BBP			NA	
		DEHP			NA	
S.		DIBP)	NA	
		Pb	BL		Comply	
		Cd	BL	7	Comply	3
		Hg 🔇	BL	<u>(</u> C)	Comply	
		Cr(VI)	BL		Comply	
50	Black	PBBs	BL		Comply	D 10 0010
56	electronic	PBDEs	BL		Comply	Dec. 12, 2019
	component	DBP			NA	
		BBP			NA	
		DEHP		$\frac{1}{2}$	NA	(C)
		DIBP			NA	
		Pb	BL		Comply	
6		Cd	BL		Comply	(G)
		Hg	BL		Comply	
		Cr(VI)	BL		Comply	
	Silvery color electronic	PBBs	BL		Comply	Dec 10 0010
57		PBDEs	BL	<u>k</u>	Comply	Dec. 12, 2019
	component	DBP			NA	
		BBP	()		NA	
KC.		DEHP)	NA	
		DIBP			NA	



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Part No.	Part Description	Restricted Substances	Result of EDXRF (1)	Result of Chemical Testing (2) (mg/kg)	Conclusion on RoHS	Data Submitted / Resubmitted Date
		Pb	BL		Comply	
		Cd	BL		Comply	
(.C)		Hg	BL		Comply	(\mathbf{G})
		Cr(VI)	BL		Comply	
50	Onesseration	PBBs	BL		Comply	Dec. 40, 0040
58	Grey resistor	PBDEs	BL	<u>-</u>	Comply	Dec. 12, 2019
		DBP			NA	
		BBP			NA	
		DEHP			NA	
S		DIBP			NA	
		Pb	BL		Comply	
		Cd	BL	7	Comply	
		Hg 🔇	BL	$\frac{1}{2}$	Comply	
	Disale	Cr(VI)	BL		Comply	
50	Black	PBBs	BL		Comply	D. 10 0010
59	electronic	PBDEs	BL)	Comply	Dec. 12, 2019
	component	DBP			NA	
		BBP			NA	
		DEHP		$\frac{1}{2}$	NA	(C)
		DIBP			NA	
		Pb	BL		Comply	
6		Cd	BL		Comply	(\mathbf{c})
		Hg	BL		Comply	
		Cr(VI)	BL		Comply	
<u> </u>	Silvery color electronic	PBBs	BL		Comply	Dec 10 0010
60		PBDEs	BL	<u>k</u>	Comply	Dec. 12, 2019
	component	DBP			NA	
		BBP	(NA	(S)
KC.		DEHP)	NA	
		DIBP			NA	



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Part No.	Part Description	Restricted Substances	Result of EDXRF (1)	Result of Chemical Testing (2) (mg/kg)	Conclusion on RoHS	Data Submitted / Resubmitted Date
		Pb	BL		Comply	
		Cd	BL		Comply	
(C)		Hg	BL		Comply	(\mathbf{c})
		Cr(VI)	BL		Comply	
	Black	PBBs	BL		Comply	5 40 0040
61	electronic	PBDEs	BL		Comply	Dec. 12, 2019
	component	DBP		<u>k</u>	NA	
		BBP			NA	
		DEHP	(NA	
8		DIBP			NA	
		Pb	BL		Comply	
		Cd	BL		Comply	
		Hg 🔇	BL	<u>(</u> C)	Comply	(\mathcal{O})
		Cr(VI)	BL		Comply	
	Black	PBBs	BL		Comply	D (0.0010
62	electronic	PBDEs	BL)	Comply	Dec. 12, 2019
	component	DBP			NA	
		BBP			NA	
		DEHP)		NA	(C)
		DIBP			NA	
		Pb	BL		Comply	
(c)		Cd	BL		Comply	
		Hg	BL		Comply	NO NO
		Cr(VI)	BL		Comply	
	Black	PBBs	BL	-	Comply	
63	electronic	PBDEs	BL	KO V	Comply	Dec. 12, 2019
	component	DBP			NA	
		BBP	()		NA	
<u>(</u> ()		DEHP	(C))	NA	
		DIBP			NA	



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Part No.	Part Description	Restricted Substances	Result of EDXRF (1)	Result of Chemical Testing (2) (mg/kg)	Conclusion on RoHS	Data Submitted / Resubmitted Date
		Pb	BL		Comply	
		Cd	BL		Comply	
		Hg	BL)	Comply	(\mathbf{G})
S	Disci	Cr(VI)	BL		Comply	
	Black	PBBs	BL		Comply	D 40 0040
64	electronic	PBDEs	BL	.	Comply	Dec. 12, 2019
	component	DBP			NA	\bigcirc
		BBP			NA	
		DEHP	(k		NA	
8		DIBP)	NA	
		Pb	BL		Comply	
		Cd	BL	7	Comply	
		Hg 🔇	BL	$\frac{1}{2}$	Comply	$\langle G \rangle$
		Cr(VI)	BL		Comply	
05	Black	PBBs	BL		Comply	D. 40.0040
65	electronic	PBDEs	BL)	Comply	Dec. 12, 2019
	component	DBP			NA	
		BBP			NA	
		DEHP)	(, c)	NA	(G)
		DIBP			NA	
		Pb	BL		Comply	
		Cd	BL		Comply	(\mathbf{c})
		Hg	BL		Comply	
		Cr(VI)	BL		Comply	
	Solder	PBBs			NA	
66		PBDEs			NA	Dec. 12, 2019
		DBP			NA	
		BBP	(*		NA	
KC.		DEHP)	NA	
		DIBP			NA	



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Part No.	Part Description	Restricted Substances	Result of EDXRF (1)	Result of Chemical Testing (2) (mg/kg)	Conclusion on RoHS	Data Submitted / Resubmitted Date
		Pb	BL		Comply	
		Cd	BL		Comply	
(C)		Hg	BL)	Comply	(\mathbf{C})
		Cr(VI)	BL		Comply	
67		PBBs	IN	N.D.	Comply	Dec. 12, 2019
07	Green PCB	PBDEs	IN	N.D.	Comply	Dec. 17, 2019
		DBP		N.D.	Comply	
		BBP		N.D.	Comply	
		DEHP		N.D.	Comply	
		DIBP		N.D.	Comply	



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Remark:

(1) (a) It is the result on total Br while test item on restricted substances is PBBs/PBDEs. It is the result on total Cr while test item on restricted substances is Cr⁶⁺.

(b)Results are obtained by EDXRF for primary screening, and further chemical testing by ICP-OES (for Cd, Pb, Hg), UV-Vis (for Cr⁶⁺) 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
Cd	BL≤(70-3σ) <x<(130+3σ)< td=""><td>BL≤(70-3σ)<x<(130+3σ)< td=""><td></td></x<(130+3σ)<></td></x<(130+3σ)<>	BL≤(70-3σ) <x<(130+3σ)< td=""><td></td></x<(130+3σ)<>	
	≤OL	≤OL	LOD <x<(150+3σ) td="" ≤ol<=""></x<(150+3σ)>
O Dh	BL≤(700-3σ) <x<(1300+3σ)< td=""><td>BL≤(700-3σ)<x<(1300+3σ< td=""><td>BL≤(500-3σ)<x<(1500+< td=""></x<(1500+<></td></x<(1300+3σ<></td></x<(1300+3σ)<>	BL≤(700-3σ) <x<(1300+3σ< td=""><td>BL≤(500-3σ)<x<(1500+< td=""></x<(1500+<></td></x<(1300+3σ<>	BL≤(500-3σ) <x<(1500+< td=""></x<(1500+<>
Pb	≤OL) ≤OL	3σ) ≤OL
Hg	BL≤(700-3σ) <x<(1300+3σ)< td=""><td>BL≤(700-3σ)<x<(1300+3σ< td=""><td>BL≤(500-3σ)<x<(1500+< td=""></x<(1500+<></td></x<(1300+3σ<></td></x<(1300+3σ)<>	BL≤(700-3σ) <x<(1300+3σ< td=""><td>BL≤(500-3σ)<x<(1500+< td=""></x<(1500+<></td></x<(1300+3σ<>	BL≤(500-3σ) <x<(1500+< td=""></x<(1500+<>
	S≤OL) ≤OL	3σ) ≤OL
Br	BL≤(300-3σ)<Χ		BL≤(250-3σ)<Χ
Cr	BL≤(700-3σ)<Χ	BL≤(700-3σ)<Χ	BL≤(500-3σ)<Χ
		BL≤(700-3σ) <x< td=""><td>. ,</td></x<>	. ,

(c) BL = Below Limit, 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 Me	ethod Detection Limit (MDL)	in wet chemical test		(c)
Test Items	Pb	Cd	Hg	
Units	mg/kg	mg/kg	mg/kg	
MDL	2	2	2	

(b) Unit and Mathed Datastian Limit (MDL) in wat shaming test

The MDL for single compound of PBBs & PBDEs is 5 mg/kg, MDL of Cr⁶⁺ for polymer & composite sample is 2 mg/kg and MDL of DBP, BBP, DEHP and DIBP is 30mg/kg.

- (c) When Cr^{6+} for metal sample is testing according to IEC 62321-7-1:2015, the unit is $\mu q/cm^2$, and the MDL is 0,10 μ g/cm². When the Cr (VI) concentration is > the 0,13 μ g/cm², the sample is positive for Cr(VI) and considered to contain Cr(VI); when the Cr (VI) concentration is N.D.(< the 0.10 µg/cm²), 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 µg/cm² and \leq the 0,13 µg/cm², the result is considered to be inconclusive - Unavoidable coating variations may influence the determination.
- (3) ^(R)=Re-submitted sample.



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(4) 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 Valu (by weight in homogenous mate	
Lead (Pb)		0.1%	
Cadmium (Cd)		0.01%	
Mercury (Hg)		0.1%	
Hexavalent Chromium (Cr VI)		0.1%	
Polybrominated biphenyls (PBBs)	(\mathbf{c})	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		
RoHS Directive 2011/65/EU ANNEX III	$\langle \mathcal{O} \rangle$	(c
Exemption Items	Expires Date	
1, Mercury in single capped (compact) fluorescent lamps not exceeding (per burner):		
1(a), For general lighting purposes < 30 W:3.5 mg	2,5 mg shall be used per burner after 31 December 2012	
1(b), For general lighting purposes≥ 30 W and < 50W:3.5mg		
1(c), For general lighting purposes ≥ 50 W and < 150 W: 5 mg		(6
1(d), For general lighting purposes ≥ 150 W: 15 mg		N.
1(e), For general lighting purposes with circular or square structural shape and tube diameter ≤ 17 mm: 7 mg		
1(f), For special purposes: 5 mg		
2(a), Mercury in double-capped linear fluorescent lamps for general lighting purposes not exceeding (per lamp):	(C)	
2(a)(1), Tri-band phosphor with normal lifetime and a tube diameter < 9 mm (e.g. T2): 4 mg		
2(a)(2), Tri-band phosphor with normal lifetime and a tube diameter ≥ 9 mm and ≤ 17 mm (e.g. T5): 3 mg	(\mathbf{c})	(c
2(a)(3), Tri-band phosphor with normal lifetime and a tube diameter > 17 mm and ≤ 28 mm (e.g. T8):3.5mg		
2(a)(4), Tri-band phosphor with normal lifetime and a tube diameter > 28 mm (e.g. T12): 5 mg	Expires on 31 December 2012; 3,5 mg may be used per lamp after 31 Decemb 2012	
2(a)(5), Tri-band phosphor with long lifetime (≥ 25 000 h): 5 mg		
2(b), Mercury in other fluorescent lamps not exceeding (per lamp):		6
2(b)(2), Non-linear halophosphate lamps (all diameters): 15 mg	Expires on 13 April 2016	C
2(b)(3), Non-linear tri-band phosphor lamps with tube diameter > 17 mm (e.g. T9):15mg		
2(b)(4), Lamps for other general lighting and special purposes (e.g. induction lamps):15mg		
3, Mercury in cold cathode fluorescent lamps and external electrode fluorescent lamps (CCFL and EEFL) for special purposes not exceeding (per lamp):		
3(a), Short length (≤500 mm):3.5mg	(\mathcal{G})	T.C
3(b), Medium length (> 500 mm and \leq 1 500 mm):5mg		l'
3(c), Long length (> 1 500 mm):13mg		
4(a), Mercury in other low pressure discharge lamps (per lamp):15mg		
4(b), Mercury in High Pressure Sodium (vapour) lamps for general lighting purposes not exceeding (per burner) in lamps with improved	(C)	
colour rendering index Ra > 60:		
4(b) -I, P ≤155 W:30mg		
4(b) -II, 155 W < P ≤ 405 W:40mg		6
4(b) -III, P > 405 W:40mg		
4(c), Mercury in other High Pressure Sodium (vapour) lamps for general lighting purposes not exceeding (per burner):		2
4(c)-I, P ≤ 155 W:25mg		



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RoHS Directive 2011/65/EU ANNEX III	
Exemption Items	Expires Date
4(c)-II, 155 W < P ≤ 405 W:30mg	
4(c)-III, P > 405 W:40mg	
4(d), Mercury in High Pressure Mercury (vapour) lamps (HPMV)	Expires on 13 April 2015
4(e), Mercury in metal halide lamps (MH)	
4(f), Mercury in other discharge lamps for special purposes not	
specifically mentioned in this Annex	
5(a), Lead in glass of cathode ray tubes	
5(b), Lead in glass of fluorescent tubes not exceeding 0,2 % by weight	
6(a), Lead as an alloying element in steel for machining purposes and n galvanized steel containing up to 0,35 % lead by weight	
δ(b), Lead as an alloying element in aluminium containing up to 0,4 % ead by weight	
6(c), Copper alloy containing up to 4 % lead by weight	
7(a), Lead in high melting temperature type solders (i.e. lead- based alloys containing 85 % by weight or more lead)	
7(b), Lead in solders for servers, storage and storage array systems, network infrastructure equipment for switching, signalling, transmission, and network management for telecommunications	
7(c)-I, Electrical and electronic components containing lead in a glass or ceramic other than dielectric ceramic in capacitors, e.g. biezoelectronic devices, or in a glass or ceramic matrix compound	
7(c)-II, Lead in dielectric ceramic in capacitors for a rated voltage of 125 V AC or 250 V DC or higher	
7(c)-III, Lead in dielectric ceramic in capacitors for a rated voltage of	Expires on 1 January 2013
ess than 125 V AC or 250 V DC	
less than 125 V AC or 250 V DC 7(c)-IV, Lead in PZT based dielectric ceramic materials for capacitors being part of integrated circuits or discrete semiconductors	used in spare parts for EEE
7(c)-IV, Lead in PZT based dielectric ceramic materials for capacitors	used in spare parts for EEE placed on the market before January 2013
7(c)-IV, Lead in PZT based dielectric ceramic materials for capacitors being part of integrated circuits or discrete semiconductors B(a), Cadmium and its compounds in one shot pellet type thermal cut-offs	used in spare parts for EEE placed on the market before January 2013 Expires on 21 July 2016 Expires on 1 January 2012 and after that date may be used in spare parts for EEE placed on the market before
7(c)-IV, Lead in PZT based dielectric ceramic materials for capacitors being part of integrated circuits or discrete semiconductors 8(a), Cadmium and its compounds in one shot pellet type thermal cut-offs 8(b), Cadmium and its compounds in electrical contacts 9, Hexavalent chromium as an anticorrosion agent of the carbon steel cooling system in absorption refrigerators up to 0,75 % by weight in the cooling solution	used in spare parts for EEE placed on the market before January 2013 Expires on 21 July 2016 Expires on 1 January 2012 and after that date may be used in spare parts for EEE placed on the market before
7(c)-IV, Lead in PZT based dielectric ceramic materials for capacitors being part of integrated circuits or discrete semiconductors 8(a), Cadmium and its compounds in one shot pellet type thermal cut-offs 8(b), Cadmium and its compounds in electrical contacts 9, Hexavalent chromium as an anticorrosion agent of the carbon steel cooling system in absorption refrigerators up to 0,75 % by weight in the cooling solution 9(b), Lead in bearing shells and bushes for refrigerant-containing compressors for heating, ventilation, air conditioning and refrigeration HVACR) applications	used in spare parts for EEE placed on the market before January 2013 Expires on 21 July 2016 Expires on 1 January 2012 and after that date may be used in spare parts for EEE placed on the market before
7(c)-IV, Lead in PZT based dielectric ceramic materials for capacitors being part of integrated circuits or discrete semiconductors B(a), Cadmium and its compounds in one shot pellet type thermal	used in spare parts for EEE placed on the market before January 2013 Expires on 21 July 2016 Expires on 1 January 2012 and after that date may be used in spare parts for EEE placed on the market before



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Exemptions	
RoHS Directive 2011/65/EU ANNEX III	
Exemption Items	Expires Date
11(b), Lead used in other than C-press compliant pin connector systems	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
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	
13(b), Cadmium and lead in filter glasses and glasses used for reflectance standards	
14, Lead in solders consisting of more than two elements for the connection between the pins and the package of micropro-cessors with a lead content of more than 80 % and less than 85 % by weight	Expires 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 viable electrical connection between semiconductor die and carrier within integrated circuit flip chip packages	
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(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)	(C)
21, Lead and cadmium in printing inks for the application of enamels on glasses, such as borosilicate and soda lime glasses	
23, Lead in finishes of fine pitch components other than connectors with a pitch of 0,65 mm and less	May be used in spare parts for EEE placed on the market before 24 September 2010
24, Lead in solders for the soldering to machined through hole discoidal and planar array ceramic multilayer capacitors	(E)
25, Lead oxide in surface conduction electron emitter displays (SED) used in structural elements, notably in the seal frit and frit ring	
29, Lead bound in crystal glass as defined in Annex I (Categories 1, 2, 3 and 4) of Council Directive $69/493/EEC$ (¹)	
30, Cadmium alloys as electrical/mechanical solder joints to elec-trical conductors located directly on the voice coil in transducers used in high-powered loudspeakers with sound pressure levels of 100 dB (A) and more	
31, Lead in soldering materials in mercury free flat fluorescent lamps (which e.g. are used for liquid crystal displays, design or industrial lighting)	
32, Lead oxide in seal frit used for making window assemblies for Argon and Krypton laser tubes	
33, Lead in solders for the soldering of thin copper wires of 100 μm diameter and less in power transformers	
34. Lead in cermet-based trimmer potentiometer elements	



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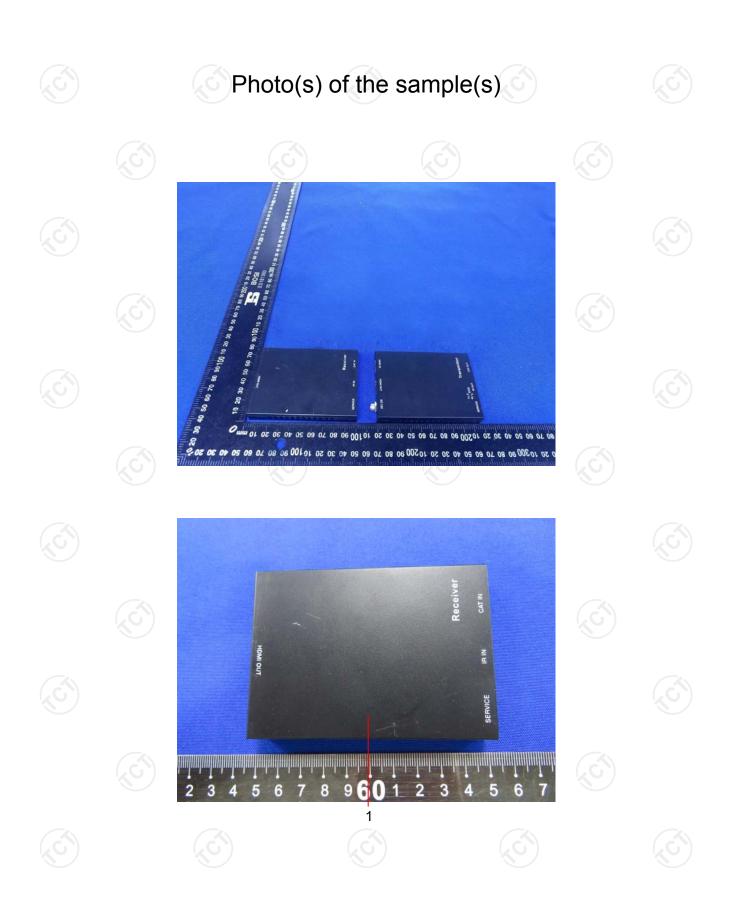
	Exemptions		
RoHS Directive 2011/65/EU ANNEX III			
Exemption Items	(KO)	Expires Date	(XO
37, Lead in the plating layer of high voltage zinc borate glass body	e diodes on the basis of a		
38, Cadmium and cadmium oxide in thick a aluminium bonded beryllium oxide	film pastes used on		
39, Cadmium in colour converting II-VI LEI light-emitting area) for use in solid state illu		Expires on 1 July 2014	
40, Cadmium in photoresistors for analogue professional audio equipment	ue optocouplers applied in	Expires on 31 Decembe 2013	er
Note: 1. (¹) OJ L 326, 29.12.1969, p.36. 2. For the purposes of Directive 2011/65/E homogeneous materials for lead, mercury, polybrominated diphenyl ethers (PBDE) ar cadmium shall be tolerated.	hexavalent chromium, polybi	rominated biphenyls (PBE	



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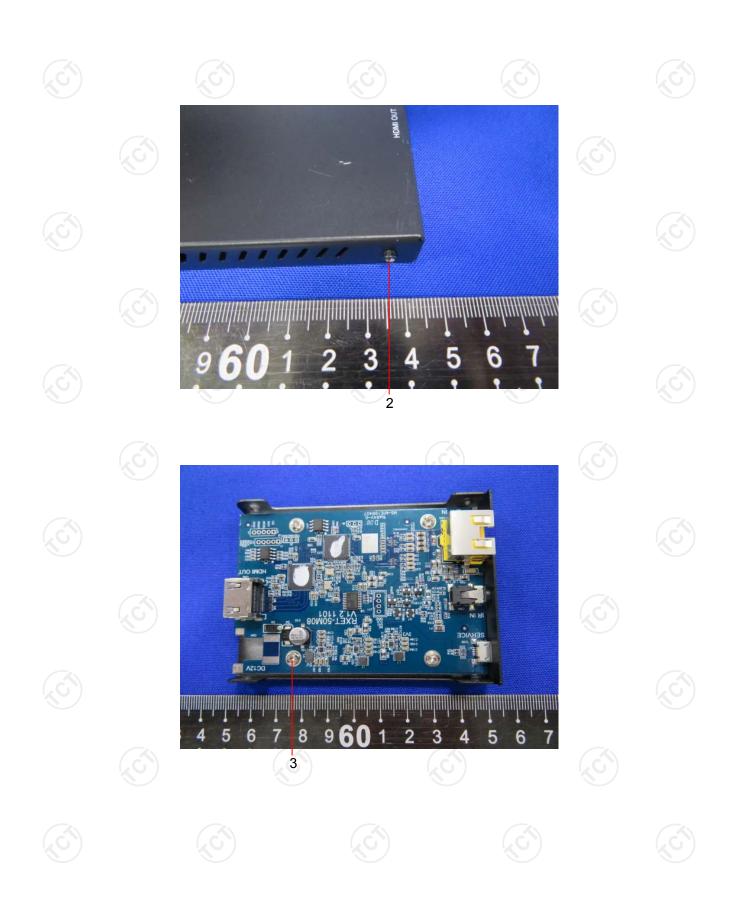




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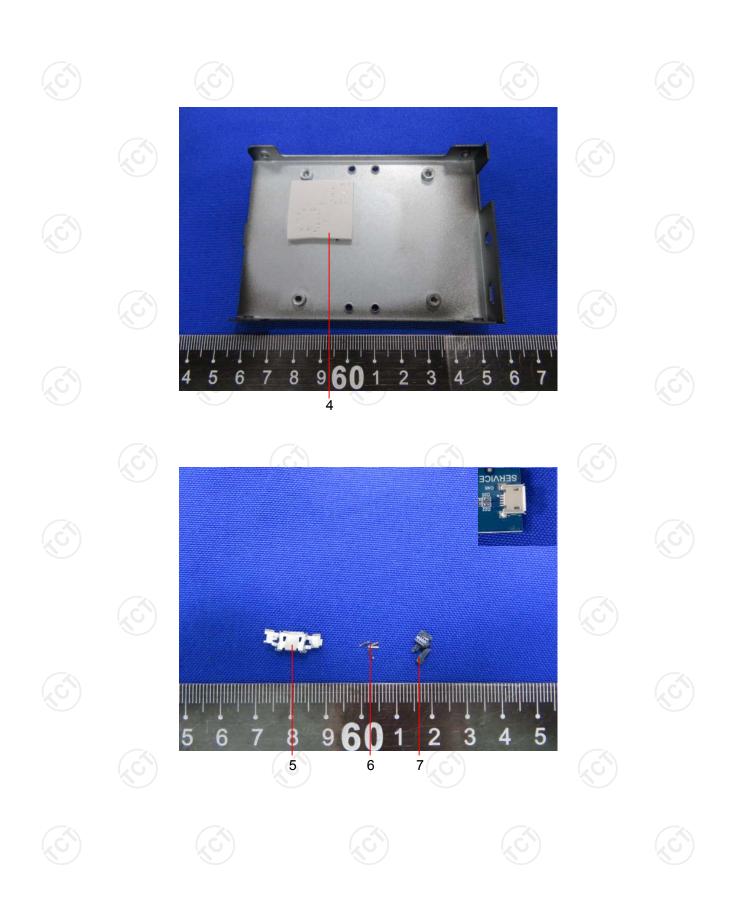




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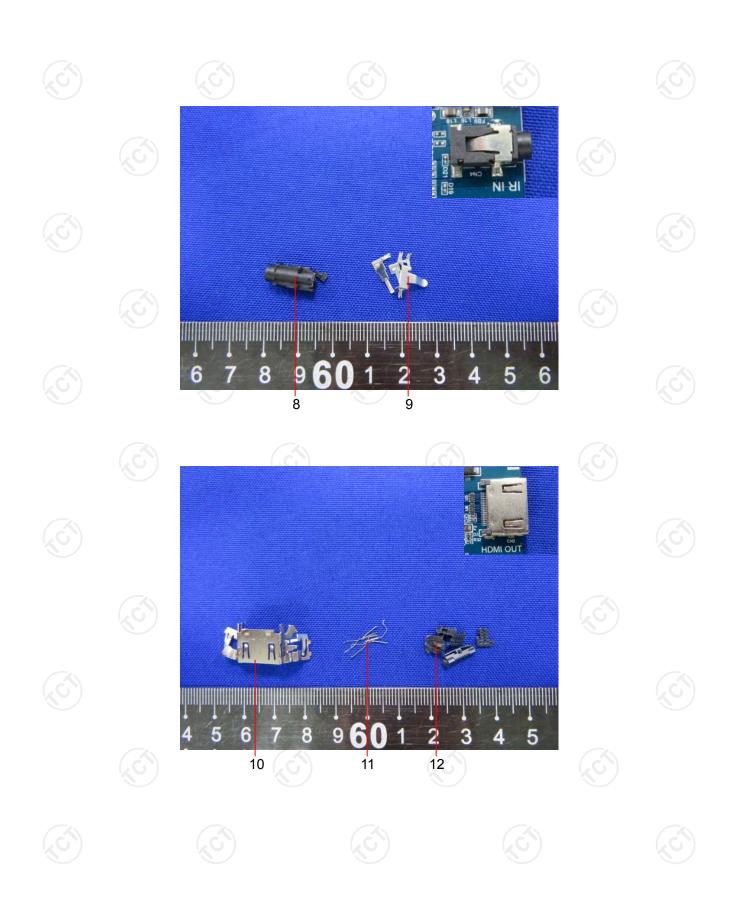




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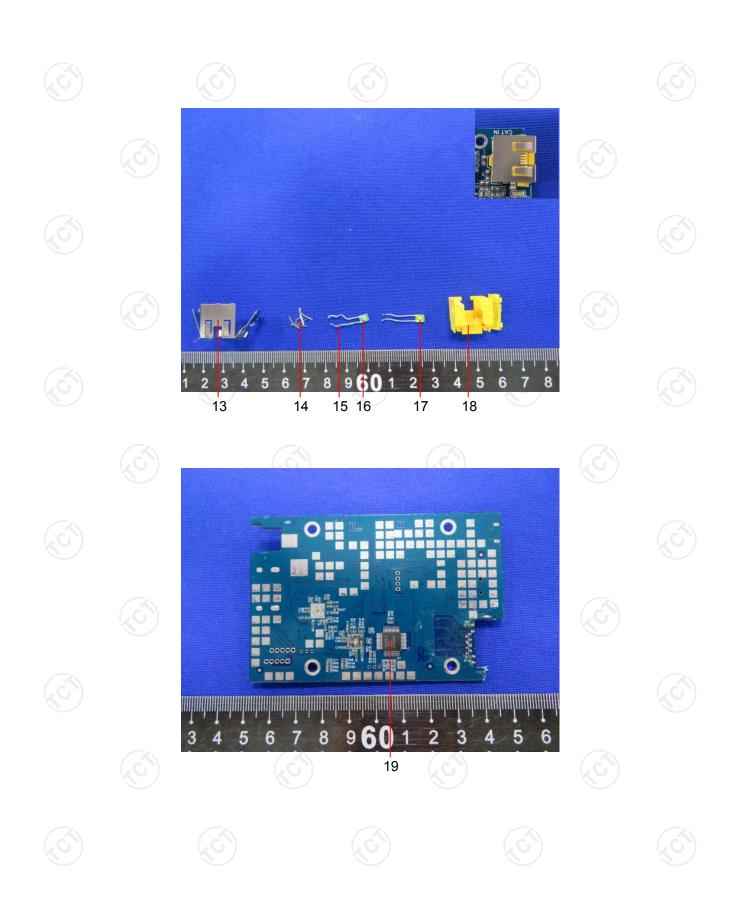




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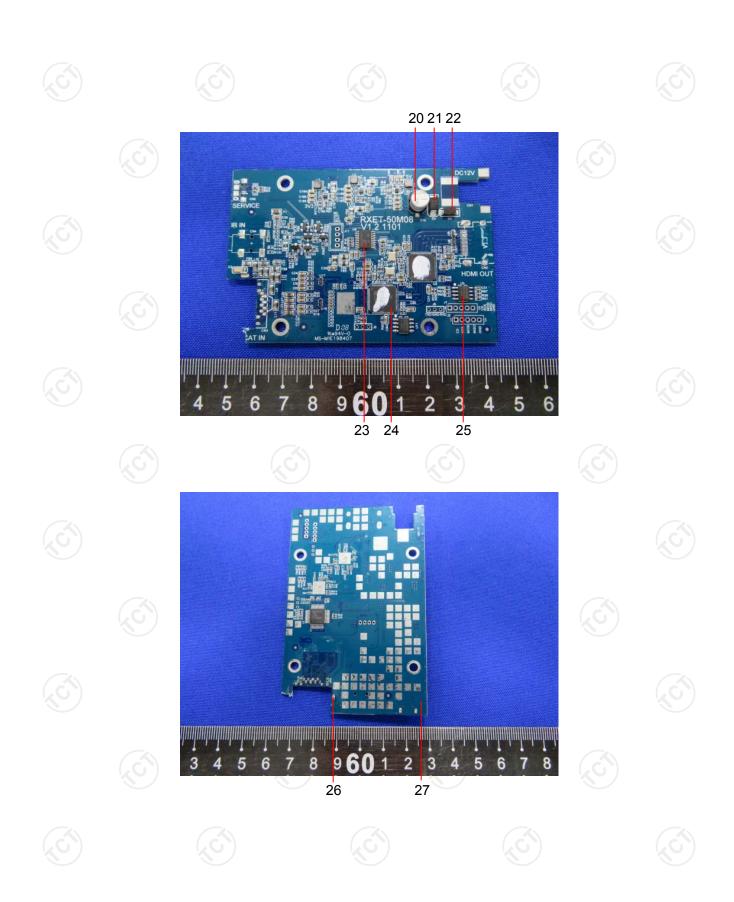




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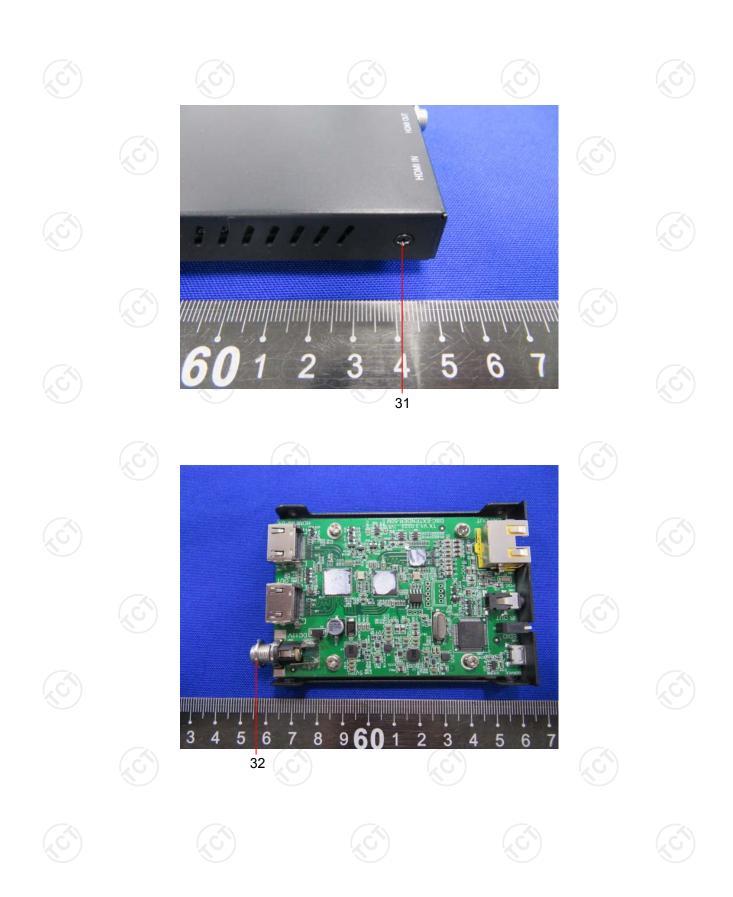




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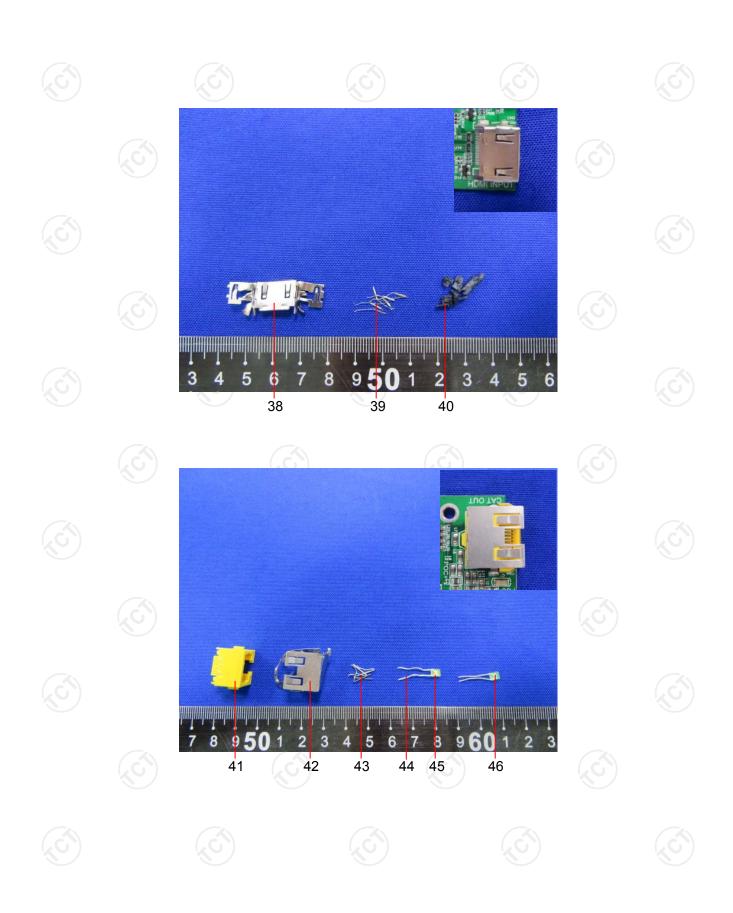




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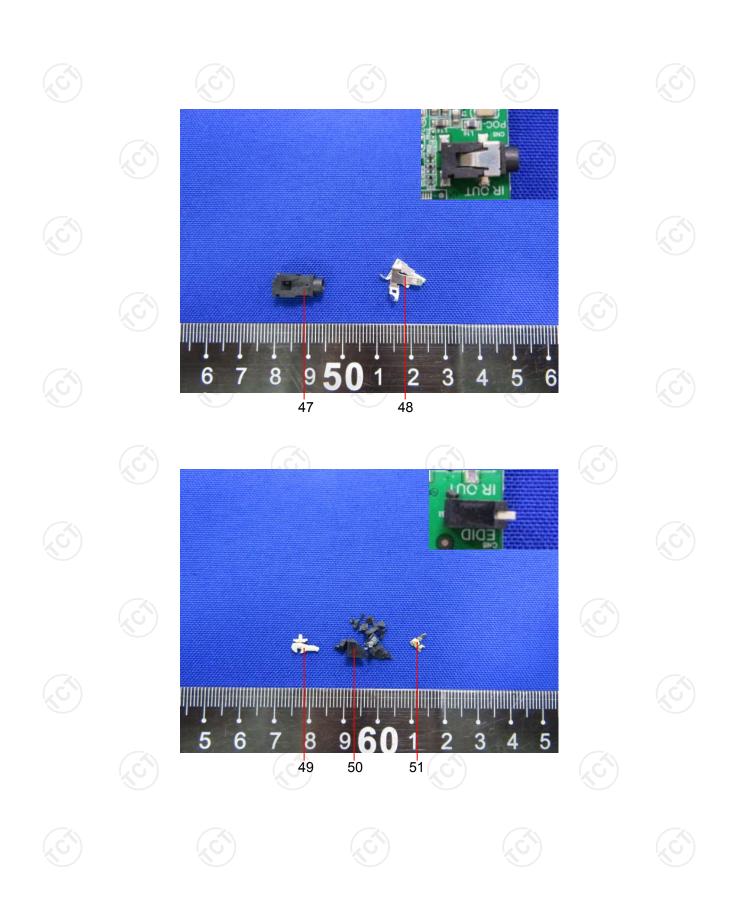




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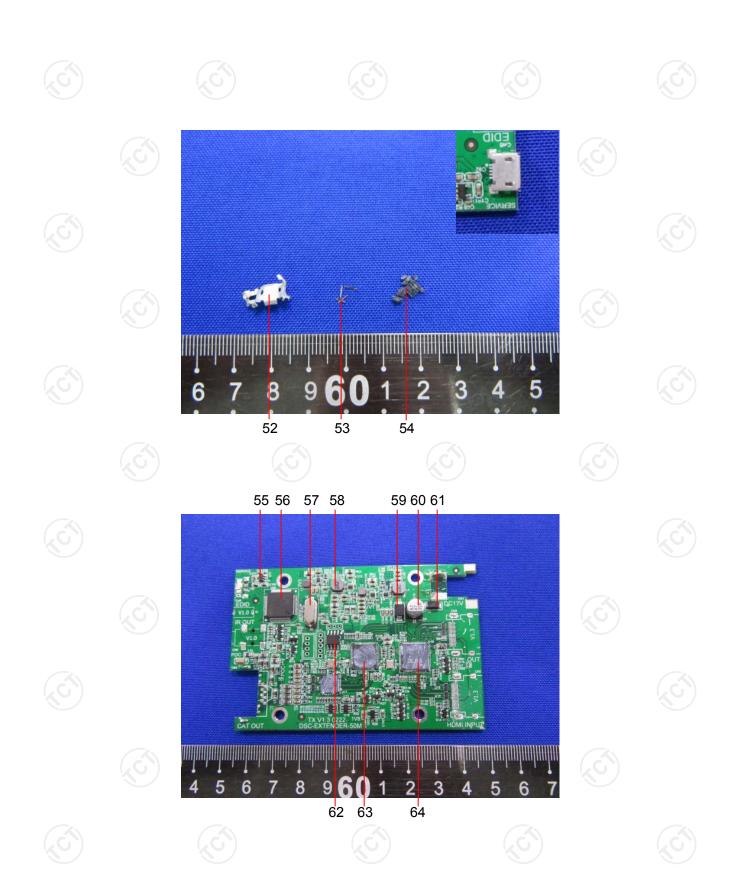




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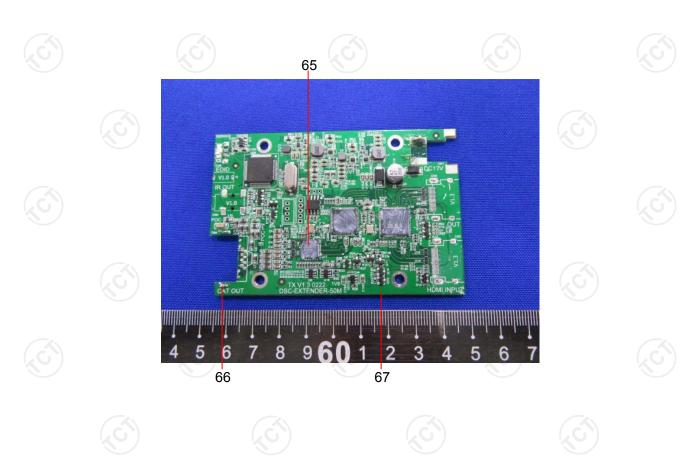




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*** End of Report ***

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