

Report No.: TCT230508C024 Date: May. 11, 2023 Page No.: 1 of 35

Applicant: LINKCOM MANUFACTURING CO.,LTD

Address: Building 1,No.21 Huanqi Avenue,Qishi Town Dongguan Guangdong Sheng

The following sample was submitted and identified by/on behalf of the client as:

Sample Name: wireless charging pad

Model No.: **OPP130** Client Reference

OPP002

Information:

Sample Received Date: 2023.05.08

Testing Period: 2023.05.08-2023.05.11

As specified by client, Split the sample and determine the Pb, Cd, Hg, Cr(VI), Test Requested:

PBBs ,PBDEs, DBP, BBP, DEHP and DIBP content of the parts.

Sample Screening testing with reference to IEC 62321-3-1:2013 Test Method:

Chemical Test Method

a. Determination of Lead ,Cadmium by ICP-OES with reference to

b. Determination of Mercury by ICP-OES with reference to IEC

62321-4:2013+AMD1:2017

c. Determination of Hexavalent Chromium by Colorimetric method using

UV-Vis reference to IEC 62321-7-1:2015, IEC 62321-7-2:2017

d. Determination of PBBs and PBDEs by GC-MS with reference to IEC

62321-6:2015

e. Determination of DBP, BBP, DEHP and DIBP by GC-MS with reference

to IEC 62321-8:2017

Test Result(s): Please refer to the following page(s).

Base upon the performed tests by submitted sample, the test results comply Conclusion:

with the limits as set by Directive (EU) 2015/863 - Amendment of EU RoHS

Directive 2011/65/EU Annex II.

Checked by

Approved by

Fang

Ryan Zhang

Technical Manager



Report No. : TCT230508C024 Date : May. 11, 2023 Page No.: 2 of 35

Test Result(s)

Part No.	Part Description	Restricted Substances	. (L) `)	esult of DXRF (1)	Result of Chemical Testing (2) (mg/kg)	Conclusion on RoHS
		Pb		BL		Comply
		Cd		BL		Comply
		Hg		BL		Comply
		Cr(VI)		BL		Comply
	Black soft	PBBs		BL	(2)	Comply
ı	plastic	PBDEs		BL		Comply
		DBP			N.D.	Comply
	(C)	BBP		(C)	N.D.	Comply
		DEHP			N.D.	Comply
		DIBP			N.D.	Comply
(C)	(0)	Pb	(0)	BL	(0)	Comply
		Cd		BL		Comply
		Hg		BL		Comply
	$\langle C_j \rangle$	Cr(VI)		BL		Comply
2	Black plastic	PBBs		BL		Comply
2	shell	PBDEs		BL		Comply
		DBP			N.D.	Comply
		BBP			N.D.	Comply
		DEHP			N.D.	Comply
	(2)	DIBP		(3	N.D.	Comply
		Pb		BL		Comply
		Cd		BL		Comply
		Hg		BL	(17)	Comply
		Cr(VI)		BL		Comply
	Black soft	PBBs		BL		Comply
3	plastic	PBDEs		BL (\ 	Comply
		DBP		80	N.D.	Comply
		BBP			N.D.	Comply
		DEHP			N.D.	Comply
		DIBP			N.D.	Comply



Report No.: TCT230508C024 Date: May. 11, 2023 Page No.: 3 of 35

Part No.	Part Description	Restricted Substances	Result of EDXRF (1)	Result of Chemical Testing (2) (mg/kg)	Conclusion on RoHS
	(0)	Pb	BL		Comply
		Cd	BL		Comply
		Hg	BL	/ /.	Comply
		Cr(VI)	BL	(\underline{c})	Comply
	Black plastic	PBBs	BL		Comply
4	shell	PBDEs	BL		Comply
		DBP	(3)	N.D.	Comply
		BBP		N.D.	Comply
		DEHP		N.D.	Comply
		DIBP	(6)	N.D.	Comply
		Pb	BL		Comply
		Cd	BL		Comply
	(5)	Hg	BL		Comply
		Cr(VI)	BL		Comply
	Silvery color	PBBs			NA
5	metal screw	PBDEs		(-	NA (
		DBP			NA
		BBP			NA
		DEHP	(5)		NA NA
		DIBP			NA
		Pb	BL		Comply
		Cd	BL	(Comply
		Hg	BL		Comply
		Cr(VI)	BL		Comply
0	Silvery color	PBBs	(5)		NA
6	metal	PBDEs			NA
		DBP			NA
		BBP			NA
		DEHP	9	(2)	NA NA
		DIBP			NA



Report No.: TCT230508C024 Date: May. 11, 2023 Page No.: 4 of 35

Part No.	Part Description	Restricted Substances	Result of EDXRF (1)	Result of Chemical Testing (2) (mg/kg)	Conclusion on RoHS
		Pb	BL		Comply
		Cd	BL		Comply
		Hg	BL		Comply
		Cr(VI)	BL	(<u>c</u> ()	Comply
	Yellow plastic	PBBs	BL		Comply
7	tape	PBDEs	BL		Comply
		DBP	(c)	N.D.	Comply
		BBP		N.D.	Comply
		DEHP		N.D.	Comply
		DIBP	(6)	N.D.	Comply
		Pb	BL		Comply
		Cd	BL		Comply
	(5)	Hg	BL		Comply
		Cr(VI)	BL		Comply
	Grey magnet	PBBs	BL		Comply
8	core	PBDEs	BL	(-c)	Comply
		DBP		N.D.	Comply
		BBP		N.D.	Comply
	(3)	DEHP	(5)	N.D.	Comply
		DIBP		N.D.	Comply
		Pb	BL		Comply
	(3)	Cd	BL		Comply
		Hg	BL		Comply
		Cr(VI)	BL		Comply
9	White textile	PBBs	BL (S)		Comply
9	thread	PBDEs	BL		Comply
		DBP		N.D.	Comply
		BBP		N.D.	Comply
		DEHP		120	Comply
		DIBP		N.D.	Comply



Report No.: TCT230508C024 Date: May. 11, 2023 Page No.: 5 of 35

Part No.	Part Description	Restricted Substances	Result of EDXRF (1)	Result of Chemical Testing (2) (mg/kg)	Conclusion on RoHS
	(0)	Pb	BL		Comply
		Cd	BL		Comply
		Hg	BL	/ /.	Comply
		Cr(VI)	BL	(\underline{c})	Comply
	White	PBBs	BL		Comply
10	double-side	PBDEs	BL		Comply
	tape	DBP	(c)	N.D.	Comply
		BBP		N.D.	Comply
		DEHP		100	Comply
		DIBP	(5)	N.D.	Comply
		Pb	BL		Comply
		Cd	BL		Comply
	(0)	Hg	BL		Comply
		Cr(VI)	BL		Comply
	Copper color	PBBs			NA
11	enamelled wire	PBDEs	···	(-01)	NA C
		DBP			NA
		BBP			NA
	(3)	DEHP	(5		NA
		DIBP			NA
		Pb	BL		Comply
	(3)	Cd	BL		Comply
		Hg	BL		Comply
		Cr(VI)	BL		Comply
40	White textile	PBBs	BL (Comply
12	tape	PBDEs	BL		Comply
		DBP		N.D.	Comply
		BBP		N.D.	Comply
		DEHP		N.D.	Comply
		DIBP		N.D.	Comply



Report No.: TCT230508C024 Date: May. 11, 2023 Page No.: 6 of 35

Part No.	Part Description	Restricted Substances	Result of EDXRF (1)	Result of Chemical Testing (2) (mg/kg)	Conclusion on RoHS
		Pb	BL		Comply
		Cd	BL		Comply
		Hg	BL		Comply
		Cr(VI)	BL	(4)	Comply
13	Copper color	PBBs	BL		Comply
.0	enamelled wire	PBDEs	BL		Comply
		DBP	(0)	N.D.	Comply
		BBP		N.D.	Comply
		DEHP		N.D.	Comply
(0)	(60)	DIBP	(5)	N.D.	Comply
		Pb	BL		Comply
		Cd	BL		Comply
	$\langle C \rangle$	Hg	BL		Comply
		Cr(VI)	BL		Comply
14	Red enamelled	PBBs	BL		Comply
614	wire	PBDEs	BL	(-e 1)	Comply
		DBP		N.D.	Comply
		BBP		N.D.	Comply
	(6)	DEHP	(c)	N.D.	Comply
		DIBP		N.D.	Comply
		Pb	BL		Comply
	(cs)	Cd	BL		Comply
		Hg	BL		Comply
		Cr(VI)	BL		Comply
	Green	PBBs	BL		Comply
15	enamelled wire	PBDEs	BL		Comply
		DBP		N.D.	Comply
		ВВР		N.D.	Comply
		DEHP	<u> </u>	N.D.	Comply
		DIBP		N.D.	Comply



Report No.: TCT230508C024 Date: May. 11, 2023 Page No.: 7 of 35

Part No.	Part Description	Restricted Substances	Result of EDXRF (1)	Result of Chemical Testing (2) (mg/kg)	Conclusion on RoHS
	(0)	Pb	BL		Comply
		Cd	BL		Comply
		Hg	BL	, 	Comply
		Cr(VI)	BL	(<u>c</u>)	Comply
	Black plastic	PBBs	BL		Comply
16	jacket	PBDEs	BL		Comply
	Jacket	DBP	(5)	N.D.	Comply
		BBP		N.D.	Comply
		DEHP		N.D.	Comply
	(,c)	DIBP	<u></u>	N.D.	Comply
		Pb	BL		Comply
		Cd	BL		Comply
	Solder	Hg	BL		Comply
		Cr(VI)	BL		Comply
		PBBs			NA
17		PBDEs			NA (
		DBP			NA NA
		BBP			NA NA
		DEHP		\	NA NA
		DIBP)	NA NA
		Pb	BL		Comply
		Cd	BL		Comply
		Hg	BL	(60)	Comply
		Cr(VI)	BL		Comply
	Silvery color	PBBs	(A)		NA
18	metal pin	PBDEs	(C)) 	NA NA
	- motal pill	DBP			NA NA
		BBP			NA NA
		DEHP		(C)	NA NA
		DIBP			NA NA
		וטוט			IN/A



Report No.: TCT230508C024 Date: May. 11, 2023 Page No.: 8 of 35

Part No.	Part Description	Restricted Substances		Result of EDXRF (1)	Result of Chemical Testing (2) (mg/kg)	Conclusion on RoHS
		Pb		BL		Comply
		Cd		BL		Comply
		Hg		BL		Comply
		Cr(VI)	(6)	BL	<u>(c</u>)	Comply
	Transparent	PBBs		IN	N.D.	Comply
19	Transparent LED	PBDEs		IN	N.D.	
		DBP		IIN	N.D.	Comply
		BBP			N.D.	Comply
		DEHP			N.D.	Comply
						Comply
		DIBP	100)	N.D.	Comply
		Pb		BL		Comply
		Cd		BL		Comply
		Hg		BL C		Comply
		Cr(VI)		BL		Comply
20	Black plastic	PBBs		BL		Comply
	jacket	PBDEs	(50)	BL	(,0)	Comply
		DBP			N.D.	Comply
		BBP			N.D.	Comply
	(C)	DEHP		(<	N.D.	Comply
		DIBP			N.D.	Comply
		Pb	,	BL		Comply
	(0)	Cd	(20)	BL		Comply
		Hg		BL		Comply
		Cr(VI)		BL		Comply
21	Black plastic	PBBs		BL		Comply
	jacket	PBDEs		BL		Comply
		DBP			N.D.	Comply
		BBP			N.D.	Comply
		DEHP		/ 	N.D.	Comply
		DIBP			N.D.	Comply



Report No.: TCT230508C024 Date: May. 11, 2023 Page No.: 9 of 35

				Result of	
Part No.	Part Description	Restricted Substances	Result of EDXRF (1)	Chemical Testing (2) (mg/kg)	Conclusion on RoHS
		Pb	BL		Comply
		Cd	BL		Comply
	(5)	Hg	BL		Comply
		Cr(VI)	BL	(4)	Comply
22	Silvery color	PBBs			NA
	metal wire core	PBDEs			NA
		DBP	(3)		NA
		BBP			NA
		DEHP			NA
(0)	(6)	DIBP	9)		NA (O)
		Pb	BL		Comply
		Cd	BL		Comply
	(C)	Hg	BL (O)		Comply
		Cr(VI)	BL		Comply
23	Red plastic	PBBs	BL		Comply
	jacket	PBDEs	BL	(-6))	Comply
		DBP		N.D.	Comply
		BBP		N.D.	Comply
		DEHP	(c)	N.D.	Comply
		DIBP		N.D.	Comply
		Pb	BL		Comply
		Cd	BL		Comply
		Hg	BL		Comply
		Cr(VI)	IN	N.D.	Comply
24	Silvery color	PBBs	(3)		NA NA
24	metal	PBDEs			NA
		DBP			NA
		BBP			NA
		DEHP			NA NA
		DIBP			NA



Report No.: TCT230508C024 Date: May. 11, 2023 Page No.: 10 of 35

<u>'</u>			<u>, , , , , , , , , , , , , , , , , , , </u>		
Part No.	Part Description	Restricted Substances	Result of EDXRF (1)	Result of Chemical Testing (2) (mg/kg)	Conclusion on RoHS
			(3)		
		Pb	BL		Comply
		Cd	BL		Comply
		Hg	BL		Comply
		Cr(VI)	IN	N.D.	Comply
25	Silvery color	PBBs			NA
_~	metal	PBDEs			NA
		DBP	(0)		NA NA
		BBP			NA
		DEHP		<u></u>	NA
(C)	((C))	DIBP	(5)		NA (C)
		Pb	BL		Comply
		Cd	BL		Comply
	$\langle G_{i} \rangle$	Hg	BL		Comply
	Black plastic	Cr(VI)	BL		Comply
26		PBBs	BL		Comply
()		PBDEs	BL	(-c)	Comply
		DBP		N.D.	Comply
		BBP		N.D.	Comply
	(6)	DEHP	(6	N.D.	Comply
		DIBP		N.D.	Comply
		Pb	BL		Comply
	(5)	Cd	BL		Comply
		Hg	BL		Comply
		Cr(VI)	IN	N.D.	Comply
07	Copper color	PBBs	(3)		NA
27	metal pin	PBDEs			NA
		DBP			NA
		ВВР			NA NA
	(6)	DEHP	9	(0)	NA NA
		DIBP			NA



Report No.: TCT230508C024 Date: May. 11, 2023 Page No.: 11 of 35

'			,		<u> </u>
Part No.	Part Description	Restricted Substances	Result of EDXRF (1)	Result of Chemical Testing (2) (mg/kg)	Conclusion on RoHS
		Pb	BL		Comply
		Cd	BL		Comply
		Hg	BL		Comply
		Cr(VI)	BL	(80)	Comply
28	Black resistor	PBBs	BL		Comply
20	Diack resistor	PBDEs	BL		Comply
	(0)	DBP	(C)	N.D.	Comply
		BBP		N.D.	Comply
		DEHP		N.D.	Comply
		DIBP	(5)	N.D.	Comply
		Pb	BL		Comply
		Cd	BL		Comply
	(0)	Hg	BL		Comply
		Cr(VI)	BL		Comply
	Green	PBBs	BL		Comply
29	electronic	PBDEs	BL	(-c)	Comply
	component	DBP		N.D.	Comply
		BBP		N.D.	Comply
		DEHP	(5)	N.D.	Comply
		DIBP		N.D.	Comply
		Pb	OL [®]		Comply
		Cd	BL		Comply
		Hg	BL		Comply
		Cr(VI)	BL		Comply
		PBBs	BL		Comply
30	Black diode	PBDEs	BL	<i></i>	Comply
		DBP		N.D.	Comply
		BBP	~~~	N.D.	Comply
	((0))	DEHP	(0)	N.D.	Comply
		DIBP		N.D.	Comply
				11.0.	Comply



Report No.: TCT230508C024 Date: May. 11, 2023 Page No.: 12 of 35

•			,		<u> </u>
Part No.	Part Description	Restricted Substances	Result of EDXRF (1)	Result of Chemical Testing (2) (mg/kg)	Conclusion on RoHS
		Pb	BL		Comply
		Cd	BL		Comply
		Hg	BL		Comply
		Cr(VI)	BL	(2)	Comply
31	Black resistor	PBBs	BL		Comply
31	Diack resistor	PBDEs	BL		Comply
	(0)	DBP	(C)	N.D.	Comply
		BBP		N.D.	Comply
		DEHP		N.D.	Comply
		DIBP	<u>(</u> ()	N.D.	Comply
		Pb	BL		Comply
		Cd	BL		Comply
		Hg	BL		Comply
		Cr(VI)	BL		Comply
		PBBs	BL		Comply
32	Black transistor	PBDEs	BL	(-c)	Comply
		DBP		N.D.	Comply
		BBP		N.D.	Comply
		DEHP	(5)	N.D.	Comply
		DIBP		N.D.	Comply
		Pb	OL ^①		Comply
		Cd	BL	(-	Comply
		Hg	BL		Comply
		Cr(VI)	BL		Comply
		PBBs	BL		Comply
33	Black diode	PBDEs	BL	<i></i>	Comply
		DBP		N.D.	Comply
		BBP /		N.D.	Comply
	(0)	DEHP	(c) <u></u>	N.D.	Comply
		DIBP		N.D.	Comply
		חוטר		IN.D.	Comply



Report No.: TCT230508C024 Date: May. 11, 2023 Page No.: 13 of 35

Part No.	Part Description	Restricted Substances	Result of EDXRF (1)	Result of Chemical Testing (2) (mg/kg)	Conclusion on RoHS
	(0)	Pb	BL		Comply
		Cd	BL		Comply
		Hg	BL	,,	Comply
		Cr(VI)	BL	(<u>c</u> ^)	Comply
		PBBs	BL		Comply
34	Black IC	PBDEs	BL		Comply
		DBP	(3)	N.D.	Comply
		BBP		N.D.	Comply
		DEHP		N.D.	Comply
		DIBP	(6)	N.D.	Comply
		Pb	BL		Comply
		Cd	BL		Comply
		Hg	BL		Comply
		Cr(VI)	BL		Comply
	District of the	PBBs	BL		Comply
35	Black resistor	PBDEs	BL	(-c)	Comply
		DBP		N.D.	Comply
		BBP		N.D.	Comply
		DEHP	(S	N.D.	Comply
		DIBP		N.D.	Comply
		Pb	BL		Comply
	(3)	Cd	BL	((-)	Comply
		Hg	BL		Comply
		Cr(VI)	BL		Comply
36		PBBs	BL (S)		Comply
30	Grey inductor	PBDEs	BL		Comply
		DBP		N.D.	Comply
		BBP		N.D.	Comply
		DEHP		N.D.	Comply
		DIBP		N.D.	Comply



Report No.: TCT230508C024 Date: May. 11, 2023 Page No.: 14 of 35

'			, ,		
Part No.	Part Description	Restricted Substances	Result of EDXRF (1)	Result of Chemical Testing (2) (mg/kg)	Conclusion on RoHS
		Pb	BL		Comply
		Cd	BL		Comply
		Hg	BL		Comply
		Cr(VI)	BL	(80)	Comply
37	Brown capacitor	PBBs	BL		Comply
31	Brown capacitor	PBDEs	BL		Comply
	(0)	DBP	(C)	N.D.	Comply
		BBP		N.D.	Comply
		DEHP		N.D.	Comply
		DIBP	<u>(</u> ()	N.D.	Comply
		Pb	BL		Comply
		Cd	BL		Comply
	Black resistor	Hg	BL		Comply
		Cr(VI)	BL		Comply
		PBBs	BL		Comply
38		PBDEs	BL	(-c)	Comply
		DBP		N.D.	Comply
		BBP		N.D.	Comply
		DEHP	(5)	N.D.	Comply
		DIBP		N.D.	Comply
		Pb	BL		Comply
		Cd	BL	(\)	Comply
		Hg	BL		Comply
		Cr(VI)	BL		Comply
		PBBs	BL C		Comply
39	Black IC	PBDEs	BL	<i></i>	Comply
		DBP		N.D.	Comply
		BBP		N.D.	Comply
	((C))	DEHP	(0)	N.D.	Comply
		DIBP		N.D.	Comply
				11.0.	Comply



Report No.: TCT230508C024 Date: May. 11, 2023 Page No.: 15 of 35

Part No. Description Substances EDXRF (1) Testing (2) (mg/kg)						
A10 Brown capacitor	Part No.	(,G)		(C) *)	Chemical Testing (2)	Conclusion on RoHS
A10 Brown capacitor						
Hg						Comply
Cr(VI)						Comply
Brown capacitor			Hg	BL		Comply
PBDES BL			Cr(VI)	BL	(2)	Comply
PBDEs BL Comply	40	Brown canacitor	PBBs	BL		Comply
BBP	40	Drown capacitor	PBDEs	BL		Comply
DEHP			DBP	(30)	N.D.	Comply
DIBP			BBP		N.D.	Comply
Pb BL Comply Cd BL Comply Hg BL Comply Cr(VI) BL Comply PBBs NA PBDEs NA DBP NA DEHP NA DIBP NA DIBP Comply Cd BL Comply Cr(VI) BL Comply Cr(VI) BL Comply Cr(VI) BL Comply DBP N.D. Comply DBP N.D. Comply			DEHP		N.D.	Comply
Cd			DIBP	(5)	N.D.	Comply
A1 Solder			Pb	BL		Comply
A1 Solder			Cd	BL		Comply
A1 Solder PBBs NA PBDEs NA DBP NA BBP NA DEHP NA DIBP NA DIBP Comply Cd BL Comply Hg BL Comply Cr(VI) BL Comply PBBs IN N.D. Comply DBP N.D. Comply BBP N.D. Comply		Solder	Hg	BL		Comply
PBDEs			Cr(VI)	BL		Comply
PBDES NA DBP NA BBP NA DEHP NA DIBP NA DIBP NA Pb BL Comply Cd BL Comply Hg BL Comply Cr(VI) BL Comply PBBS IN N.D. Comply DBP N.D. Comply BBP N.D. Comply			PBBs			NA
BBP NA DEHP NA DIBP NA DIBP NA Pb BL Comply Cd BL Comply Hg BL Comply Cr(VI) BL Comply PBBs IN N.D. Comply PBDEs IN N.D. Comply DBP N.D. Comply BBP N.D. Comply	41		PBDEs	(S)	(-6)	NA (
DEHP NA DIBP NA NA NA Pb BL Comply Cd BL Comply Hg BL Comply Cr(VI) BL Comply PBBs IN N.D. Comply PBDEs IN N.D. Comply DBP N.D. Comply BBP N.D. Comply			DBP			NA
DIBP			BBP			NA
Pb BL Comply Cd BL Comply Hg BL Comply Cr(VI) BL Comply PBBs IN N.D. Comply PBDEs IN N.D. Comply DBP N.D. Comply BBP N.D. Comply			DEHP	(5)		NA NA
Cd			DIBP			NA
Hg BL Comply Cr(VI) BL Comply PBBs IN N.D. Comply PBDEs IN N.D. Comply DBP N.D. Comply BBP N.D. Comply			Pb	BL		Comply
42 Green PCB Cr(VI) BL Comply PBBs IN N.D. Comply PBDEs IN N.D. Comply DBP N.D. Comply BBP N.D. Comply			Cd	BL	(Comply
42 Green PCB Cr(VI) BL Comply PBBs IN N.D. Comply PBDEs IN N.D. Comply DBP N.D. Comply BBP N.D. Comply			Hg	BL		Comply
42 Green PCB PBDEs IN N.D. Comply DBP N.D. Comply BBP N.D. Comply				BL		Comply
42 Green PCB PBDEs IN N.D. Comply DBP N.D. Comply BBP N.D. Comply				IN C	N.D.	
DBP N.D. Comply BBP N.D. Comply	42	Green PCB	PBDEs	120	N.D.	
BBP N.D. Comply			DBP			
		(60)	DEHP	<u> </u>	N.D.	Comply
DIBP N.D. Comply						



Report No. : TCT230508C024 Date : May. 11, 2023 Page No.: 16 of 35

Part No.	Part Description	Restricted Substances	Result of EDXRF (1)	Result of Chemical Testing (2) (mg/kg)	Conclusion on RoHS
		Pb	BL		Comply
		Cd	BL		Comply
		Hg	BL	 X	Comply
(0)	(60)	Cr(VI)	BL	(\overline{C})	Comply
43	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	PBBs	IN	N.D.	Comply
	White plastic	PBDEs	IN	N.D.	Comply
	(3)	DBP	(C)	N.D.	Comply
		BBP		N.D.	Comply
		DEHP		N.D.	Comply
$(C_{\mathcal{O}})$		DIBP	5 ³)	N.D.	Comply
		Pb	BL		Comply
		Cd	BL		Comply
	$\langle c^{\prime} \rangle$	Hg	BL (C)		Comply
		Cr(VI)	BL		Comply
-11	Silvery color	PBBs			NA
44	metal	PBDEs	(1)	(-61)	NA (
		DBP	<u></u>		NA
		BBP			NA
	(c)	DEHP	(.ć)		NA NA
		DIBP			NA
		Pb	BL		Comply
(3)		Cd	BL		Comply
		Hg	BL		Comply
		Cr(VI)	BL		Comply
	Black soft	PBBs	BL (Comply
45	plastic	PBDEs	BL		Comply
		DBP		N.D.	Comply
		BBP		N.D.	Comply
		DEHP	9	N.D.	Comply
		DIBP		N.D.	Comply



Report No.: TCT230508C024 Date: May. 11, 2023 Page No.: 17 of 35

Part No.	Part Description	Restricted Substances	Result of EDXRF (1)	Result of Chemical Testing (2) (mg/kg)	Conclusion on RoHS
	(0)	Pb	BL		Comply
		Cd	BL		Comply
		Hg	BL		Comply
		Cr(VI)	BL	(\underline{c})	Comply
		PBBs	BL		Comply
46	White dry glue	PBDEs	BL		Comply
	$\langle C \rangle$	DBP	(c)	N.D.	Comply
		BBP		N.D.	Comply
		DEHP		N.D.	Comply
		DIBP	(6)	N.D.	Comply
		Pb	BL		Comply
		Cd	BL		Comply
	$\langle C \rangle$	Hg	BL		Comply
		Cr(VI)	BL		Comply
47	Copper color	PBBs			NA
647	metal pin	PBDEs	(5)	(-c)	NA C
		DBP			NA
		BBP			NA
	(6)	DEHP	(6		NA NA
		DIBP			NA
		Pb	BL		Comply
	(3)	Cd	BL		Comply
		Hg	BL		Comply
		Cr(VI)	BL		Comply
48	Solder	PBBs	(5)		NA
40	Solder	PBDEs	'		NA
		DBP			NA
		BBP			NA
		DEHP		(2)	NA NA
		DIBP			NA



Report No.: TCT230508C024 Date: May. 11, 2023 Page No.: 18 of 35

Part No.	Part Description	Restricted Substances	Result of EDXRF (1)	Result of Chemical Testing (2)	Conclusion on RoHS	
				(mg/kg)		
	(0)	Pb	BL		Comply	
		Cd	BL		Comply	
		Hg	BL	 /-	Comply	
		Cr(VI)	BL	<u>(,c')</u>	Comply	
40	Black plastic	PBBs	BL		Comply	
49	cable jacket	PBDEs	BL		Comply	
	$\langle C \rangle$	DBP	(c)	N.D.	Comply	
		BBP		N.D.	Comply	
		DEHP		N.D.	Comply	
		DIBP	(5)	N.D.	Comply	
		Pb	BL		Comply	
		Cd	BL		Comply	
	(())	Hg	BL		Comply	
		Cr(VI)	BL		Comply	
	White plastic	PBBs	BL		Comply	
50	jacket	PBDEs	BL	(-01)	Comply	
		DBP		N.D.	Comply	
		BBP		N.D.	Comply	
		DEHP	(5)	200	Comply	
		DIBP		N.D.	Comply	
		Pb	BL		Comply	
	(3)	Cd	BL		Comply	
		Hg	BL		Comply	
		Cr(VI)	BL		Comply	
51	Black plastic	PBBs	BL (S)		Comply	
ונ	jacket	PBDEs	BL		Comply	
		DBP		N.D.	Comply	
		BBP		N.D.	Comply	
		DEHP		210	Comply	
		DIBP		N.D.	Comply	



Report No.: TCT230508C024 Date: May. 11, 2023 Page No.: 19 of 35

Part No. Part Description Part Description Part Description Part Description Part Substances Part Part				, ,		1 age 110.1 10 01 00		
Cd	Part No.			(C) *)	Chemical Testing (2)	(,G)		
Cd								
Hg								
Cr(VI)								
Green plastic								
PBDES BL Comply			Cr(VI)	BL	(-2)	Comply		
Jacket PBDEs BL Comply	52	Green plastic	PBBs	BL		Comply		
BBP	02	jacket	PBDEs	BL		Comply		
DEHP		(0)	DBP	(30)	N.D.	Comply		
DIBP			BBP		N.D.	Comply		
Pb			DEHP		220	Comply		
Cd	(C)		DIBP	(5)	N.D.	Comply		
Hg			Pb	BL		Comply		
Red plastic PBBs BL Comply			Cd	BL		Comply		
Red plastic PBBs BL Comply		$\langle G^{\prime} \rangle$	Hg	BL		Comply		
Factor Pactor P			Cr(VI)	BL		Comply		
jacket		Red plastic	PBBs	BL		Comply		
BBP	53	jacket	PBDEs	BL	(-6)	Comply		
DEHP			DBP		N.D.	Comply		
DEHP			BBP		N.D.	Comply		
DIBP			DEHP	(5)	210			
Pb BL Comply			DIBP		N.D.	Comply		
Hg BL Comply Cr(VI) BL NA Silvery color metal wire core PBDEs NA DBP NA BBP NA DEHP NA NA			Pb	BL		Comply		
Silvery color metal wire core PBDEs NA DBP NA BBP NA DEHP NA NA NA NA NA NA NA NA NA		(ch)	Cd	BL		Comply		
Silvery color metal wire core PBDEs NA DBP NA BBP NA DEHP NA NA NA NA NA NA NA NA			Hg	BL		\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		
Silvery color metal wire core PBBs NA DBP NA BBP NA DEHP NA				BL				
54 metal wire core PBDEs NA DBP NA BBP NA DEHP NA		Silvery color		(A)				
DBP NA BBP NA DEHP NA	54	201	PBDEs			NA		
BBP NA NA O								
DEHP NA					((\)			
		((0))		(0)	((0))	(,C))		
			DIBP			NA NA		



Report No.: TCT230508C024 Date: May. 11, 2023 Page No.: 20 of 35

Part No.	Part Description	Restricted Substances	Result of EDXRF (1)	Result of Chemical Testing (2) (mg/kg)	Conclusion on RoHS
	(0)	Pb	BL		Comply
		Cd	BL		Comply
		Hg	BL	/ *** /:	Comply
	(0)	Cr(VI)	BL	(<u>c</u>)	Comply
	Black soft	PBBs	BL		Comply
55	plastic	PBDEs	BL		Comply
		DBP	(c)	N.D.	Comply
		BBP		N.D.	Comply
		DEHP		N.D.	Comply
		DIBP	(5)	N.D.	Comply
		Pb	BL		Comply
		Cd	BL		Comply
		Hg	BL		Comply
		Cr(VI)	BL		Comply
	Black resistor	PBBs	BL		Comply
56		PBDEs	BL	(-c)	Comply
		DBP		N.D.	Comply
		BBP		N.D.	Comply
		DEHP	(c)	N.D.	Comply
		DIBP		N.D.	Comply
		Pb	BL		Comply
	(3)	Cd	BL		Comply
		Hg	BL		Comply
		Cr(VI)	BL		Comply
57	Solder	PBBs	(5	·	NA
57	Solder	PBDEs	'&	·	NA
		DBP			NA
		BBP			NA
		DEHP			NA NA
		DIBP			NA



Report No.: TCT230508C024 Date: May. 11, 2023 Page No.: 21 of 35

'			,		- ago 11011 2 1 01 00
Part No.	Part Description	Restricted Substances	Result of EDXRF (1)	Result of Chemical Testing (2) (mg/kg)	Conclusion on RoHS
			(3)		
		Pb	BL		Comply
		Cd	BL		Comply
58		Hg	BL		Comply
		Cr(VI)	BL	(2)	Comply
	Green PCB	PBBs	IN	N.D.	Comply
		PBDEs	IN	N.D.	Comply
		DBP	(6)	N.D.	Comply
		BBP		N.D.	Comply
		DEHP		N.D.	Comply
(C)	(30)	DIBP	(5)	N.D.	Comply
		Pb	BL		Comply
		Cd	BL		Comply
		Hg	BL		Comply
		Cr(VI)	IN	N.D.	Comply
59	Silvery color	PBBs			NA
29	metal	PBDEs	<u>(1)</u>	(-c)	NA (
		DBP			NA
		BBP			NA
	(5)	DEHP	(d))	NA
		DIBP			NA
		Pb	BL		Comply
		Cd	BL		Comply
		Hg	BL		Comply
		Cr(VI)	IN	N.D.	Comply
60	Silvery color	PBBs	(3)		NA
60	metal pin	PBDEs			NA
		DBP			NA
		BBP			NA
		DEHP	<u> </u>		NA NA
		DIBP			NA



Report No.: TCT230508C024 Date: May. 11, 2023 Page No.: 22 of 35

			210 :ay:, 202		490 11011 22 01 00	
Part No.	Part Description	Restricted Substances	Result of EDXRF (1)	Result of Chemical Testing (2) (mg/kg)	Conclusion on RoHS	
		Pb	BL		Comply	
		Cd	BL		Comply	
		Hg	BL		Comply	
		Cr(VI)	BL	(2)	Comply	
61	Silvery color	PBBs			NA	
61	metal pin	PBDEs			NA	
	(0)	DBP	(30)		NA NA	
		BBP			NA	
		DEHP		<u></u>	NA	
((C))	((C))	DIBP	(5)	(<u>C</u>)	NA (C)	
		Pb	BL		Comply	
		Cd	BL		Comply	
	Grey plastic	Hg	BL		Comply	
		Cr(VI)	BL		Comply	
62		PBBs	BL		Comply	
62		PBDEs	BL	(-c))	Comply	
		DBP		N.D.	Comply	
		BBP		N.D.	Comply	
	(6)	DEHP	(5	N.D.	Comply	
		DIBP		N.D.	Comply	
		Pb	BL		Comply	
		Cd	BL		Comply	
		Hg	BL		Comply	
		Cr(VI)	BL		Comply	
00	Colder	PBBs	(3)		NA	
63	Solder	PBDEs	'&		NA	
		DBP			NA	
		BBP	I		NA	
		DEHP	<u> </u>	(20)	NA NA	
		DIBP			NA	



Report No. : TCT230508C024 Date : May. 11, 2023 Page No.: 23 of 35

Part No.	Part Description	Restricted Substances	Result of EDXRF (1)	Result of Chemical Testing (2) (mg/kg)	Conclusion on RoHS	
		Pb	BL		Comply	
		Cd	BL		Comply	
		Hg	BL		Comply	
	(60)	Cr(VI)	BL	(^C C)	Comply	
64	Green PCB	PBBs	IN	N.D.	Comply	
64	Green PCB	PBDEs	IN	N.D.	Comply	
	$\langle C_{i} \rangle$	DBP	(C)	N.D.	Comply	
		BBP		N.D.	Comply	
		DEHP		N.D.	Comply	
(C)		DIBP	<u>()</u>	N.D.	Comply	





Report No.: TCT230508C024 Date: May. 11, 2023 Page No.: 24 of 35

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 Cr(VI).
 - (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 IEC 62321-3-1:2013 (unit: mg/kg)

Element	Polymer	Metal	Composite Materials
C4	BL≤(70-3σ) <x<< td=""><td>BL≤(70-3σ)<x<< td=""><td>LOD<x<(150+3σ)< td=""></x<(150+3σ)<></td></x<<></td></x<<>	BL≤(70-3σ) <x<< td=""><td>LOD<x<(150+3σ)< td=""></x<(150+3σ)<></td></x<<>	LOD <x<(150+3σ)< td=""></x<(150+3σ)<>
Cd	(130+3σ)≤OL	(130+3σ) ≤OL	≤OL
Dh	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<<>
Pb	(1300+3σ) ≤OL	(1300+3σ) ≤OL	(1500+3σ) ≤OL
Ца	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<<>
Hg	(1300+3σ)≤OL	(1300+3σ)≤OL	(1500+3σ) ≤OL
Br	BL≤(300-3σ) <x< td=""><td>NA</td><td>BL≤(250-3σ)<x< td=""></x<></td></x<>	NA	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 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 Method Detection Limit (MDL) in chemical test

Test Items	Pb	Cd	Hg	Cr(VI)	PBBs	PBDEs	DBP	BBP	DEHP	DIBP
MDL(mg/kg)	10	10	10	*	100	100	100	100	100	100
Limit(mg/kg)	1000	100	1000	1000	1000	1000	1000	1000	1000	1000

^{*}MDL of Cr(VI) for polymer, composite sample is 10 mg/kg,

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

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

- (c) According to IEC 62321-7-1:2015, For metal samples,
 - a. 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).
 - b. When the Cr (VI) concentration is N.D.(< the 0,10 μ g/cm²), the sample is negative for Cr(VI) and considered a non-Cr(VI) based coating.
 - c. 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.

Because the storage condition and production date of the sample are not known, the test results of



Report No. : TCT230508C024 Date : May. 11, 2023 Page No.: 25 of 35

the sample of hexavalent chromium can only represent the state of hexavalent chromium in the samples tested.

(3) According to the client's statement,

[®]RoHS Exemption: 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 &RoHS Exemption: 7(a) Lead in high melting temperature type solders (i.e. lead-based alloys containing 85 % by weight or more lead.





Report No.: TCT230508C024 Date: May. 11, 2023 Page No.: 26 of 35

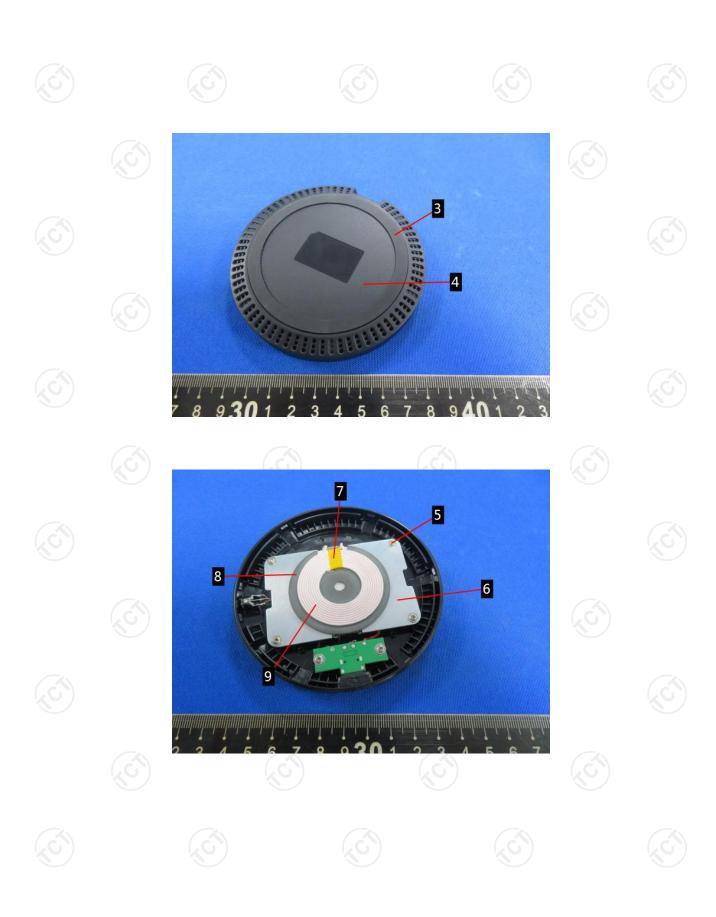
Photo(s) of the sample(s)





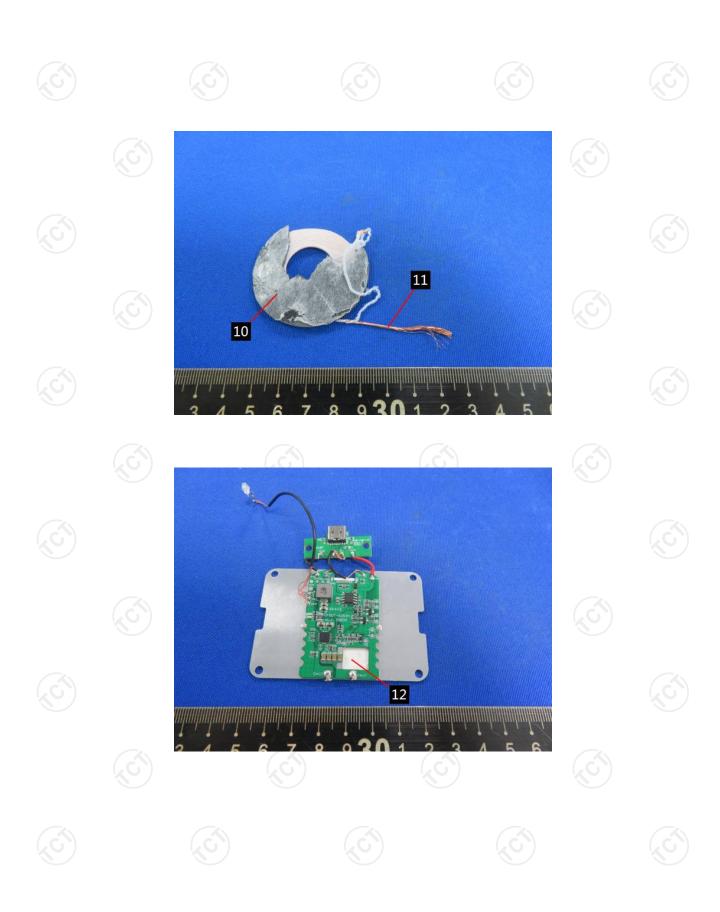


Report No.: TCT230508C024 Date: May. 11, 2023 Page No.: 27 of 35





Report No.: TCT230508C024 Date: May. 11, 2023 Page No.: 28 of 35



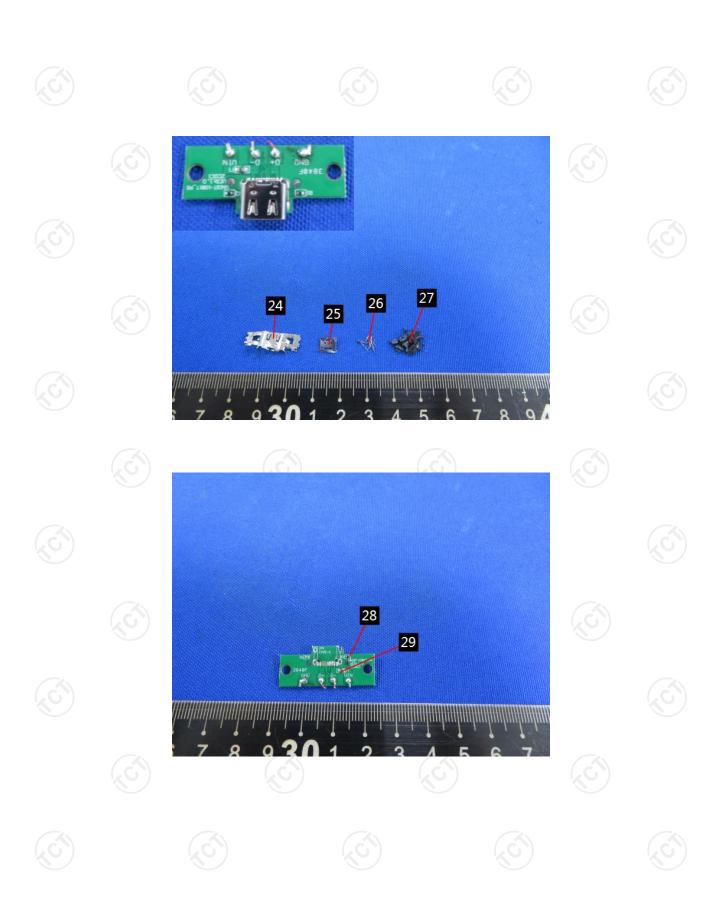


Report No.: TCT230508C024 Date: May. 11, 2023 Page No.: 29 of 35



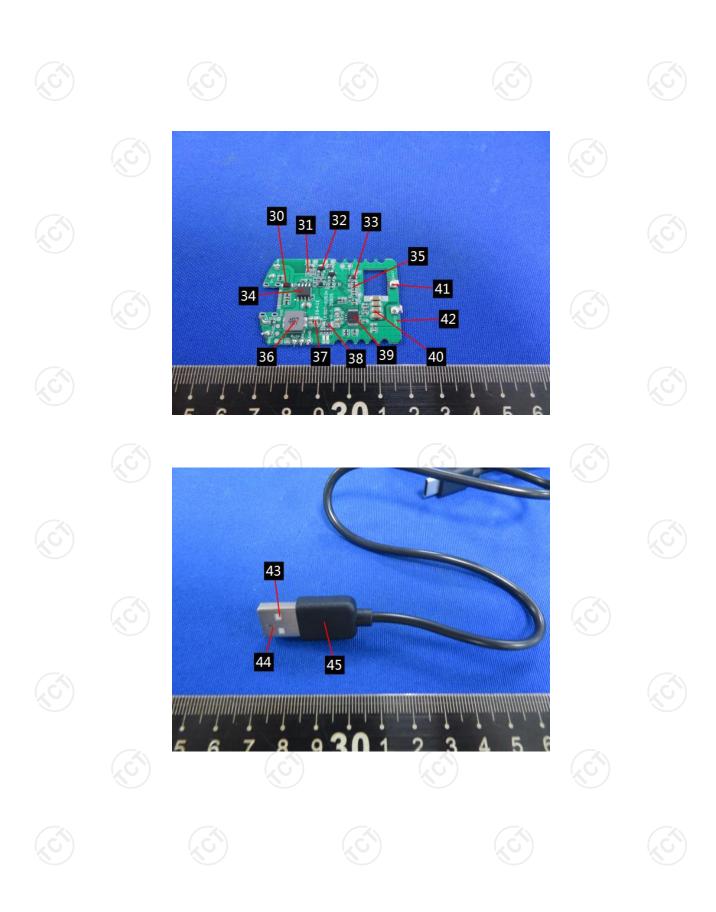


Report No.: TCT230508C024 Date: May. 11, 2023 Page No.: 30 of 35



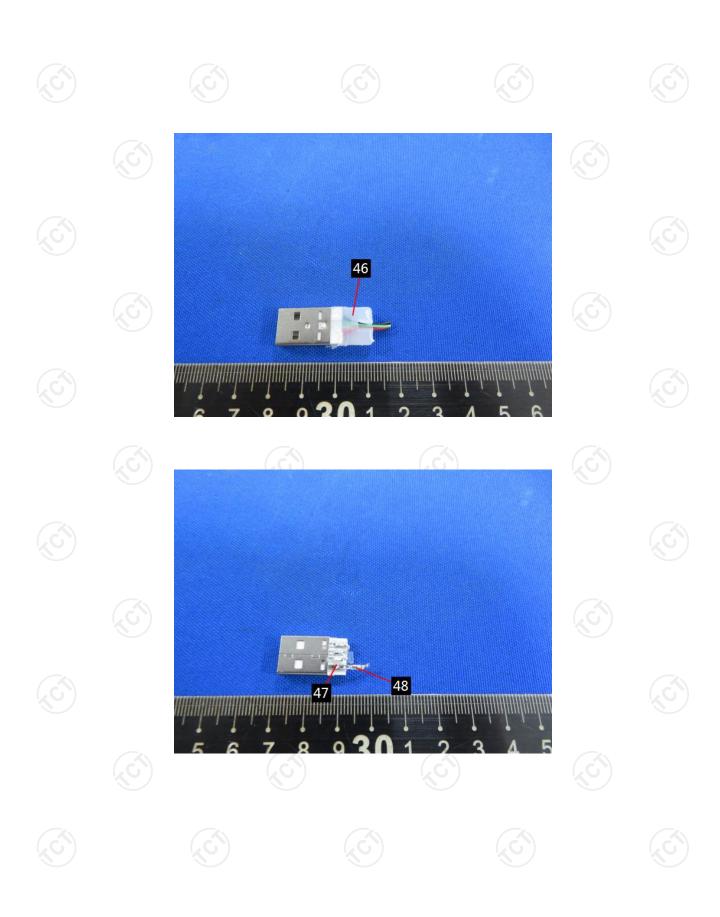


Report No.: TCT230508C024 Date: May. 11, 2023 Page No.: 31 of 35



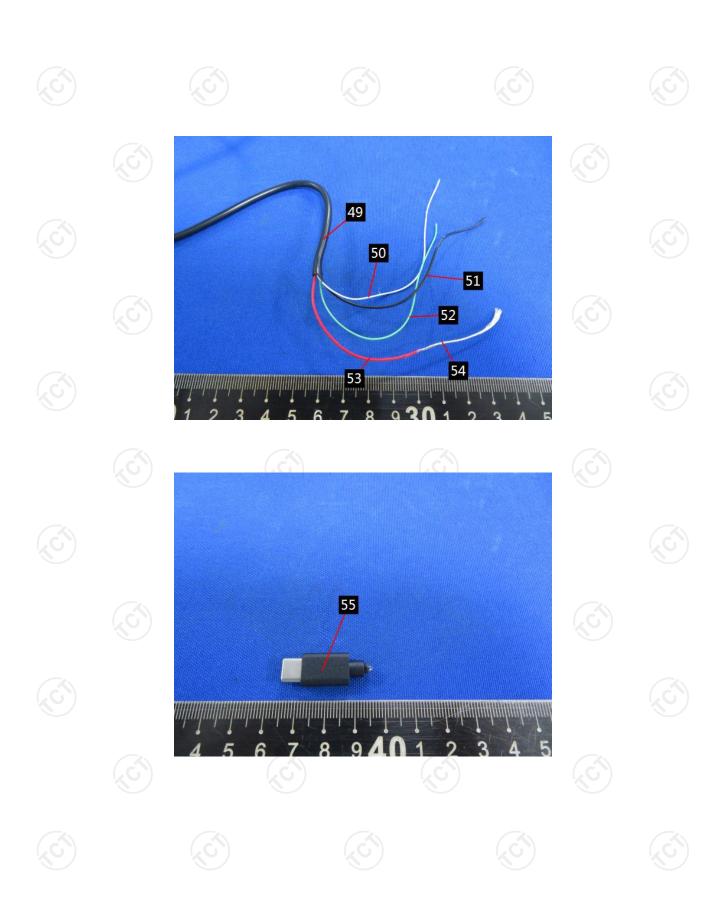


Report No.: TCT230508C024 Date: May. 11, 2023 Page No.: 32 of 35



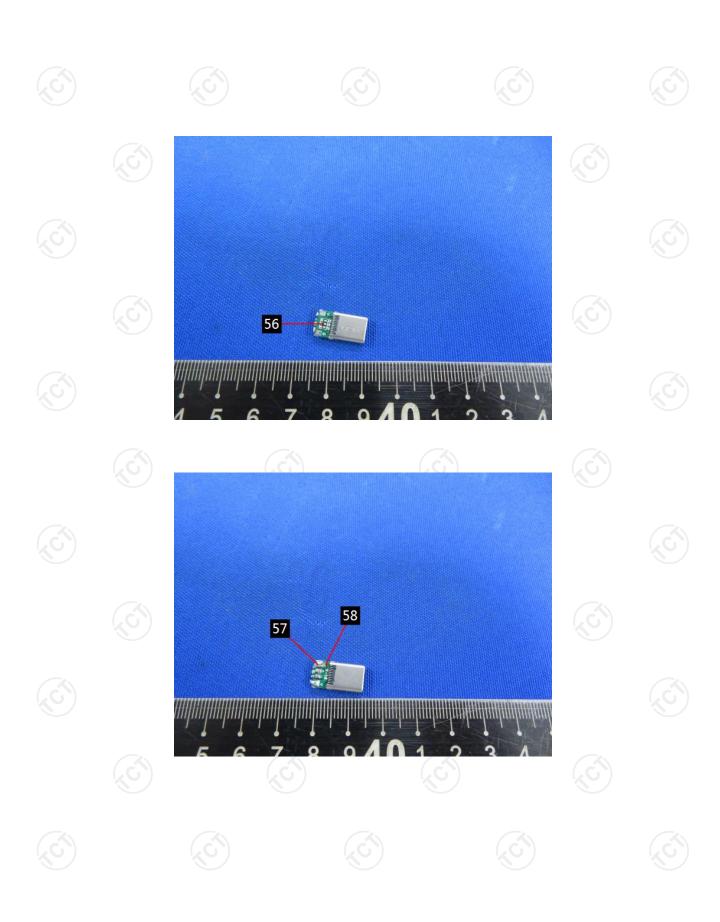


Report No.: TCT230508C024 Date: May. 11, 2023 Page No.: 33 of 35



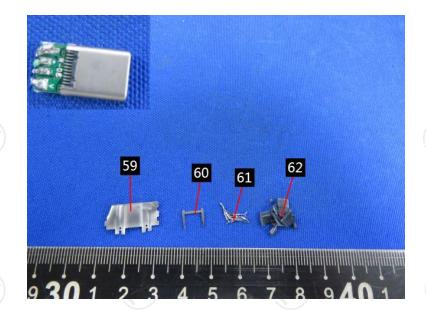


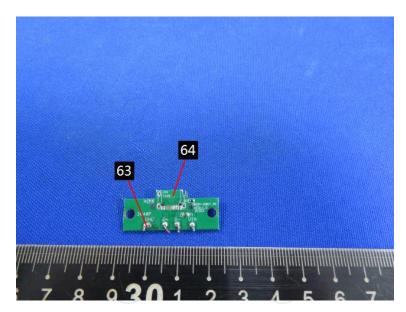
Report No.: TCT230508C024 Date: May. 11, 2023 Page No.: 34 of 35





Report No.: TCT230508C024 Date: May. 11, 2023 Page No.: 35 of 35





*** End of Report ***

Remark: This report is considered invalidated without the Special Seal for Inspection of the TCT. This report shall not be altered, increased or deleted. The results shown in this test report refer only to the sample(s) tested. Without written approval of TCT, this test report shall not be copied except in full and published as advertisement.