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Report No.: CTK0206-RS-0003

RoHS Test Report

Product	Extracorporeal Medical Camera	
Name and address of the applicant:	PIE Co., Ltd. 3F, 45, Changnyong-daero, Paldal-gu, Suwon-si, Gyeonggi-do, Republic of Korea	
Name and address of the manufacturer:	PIE Co., Ltd. 3F, 45, Changnyong-daero, Paldal-gu, Suwon-si, Gyeonggi-do, Republic of Korea	
Name and address of the Factory:	PIE Co., Ltd. 3F, 45, Changnyong-daero, Paldal-gu, Suwon-si, Gyeonggi-do, Republic of Korea	
Trade mark:	PIE	
Model:	Focuskin M, Focuskin	
Test sample received (date) :	Oct. 23, 2024	
Results of testing	One sample has been tested and complies with RoHS Directive 2011/65/EU Annex II and its amendment (EU) 2015/863	
Tested according to :	EN 62321-1, EN 62321-2, EN 62321-3-1, EN 62321-4, EN 62321-5, EN 62321-6, EN 62321-7-1, EN 62321-7-2, EN 62321-8	
Directive	RoHS Directive 2011/65/EU Annex II and its amendment (EU) 2015/863 on the restriction of hazardous substances in electrical and electronic equipment	
Additional Information	The evaluation has been performed on one sample and item by applicant	
Name and address of the test laboratory	CTK Co., LTD. 52-17, Sinjeong-ro 41beon-gil, Giheung-gu, Yongin-si, Gyeonggi-do, 17093, Korea Telephone:(+82)31 702 3155 Fax:(+82)31 624 9501	
Tested by	 Signature Chang Sik Yoon Date Oct. 28, 2024 ~ Dec. 03, 2024	
Reviewed by	 signature Jung Hoon Cho / Lab. Manager Date Dec. 03, 2024	

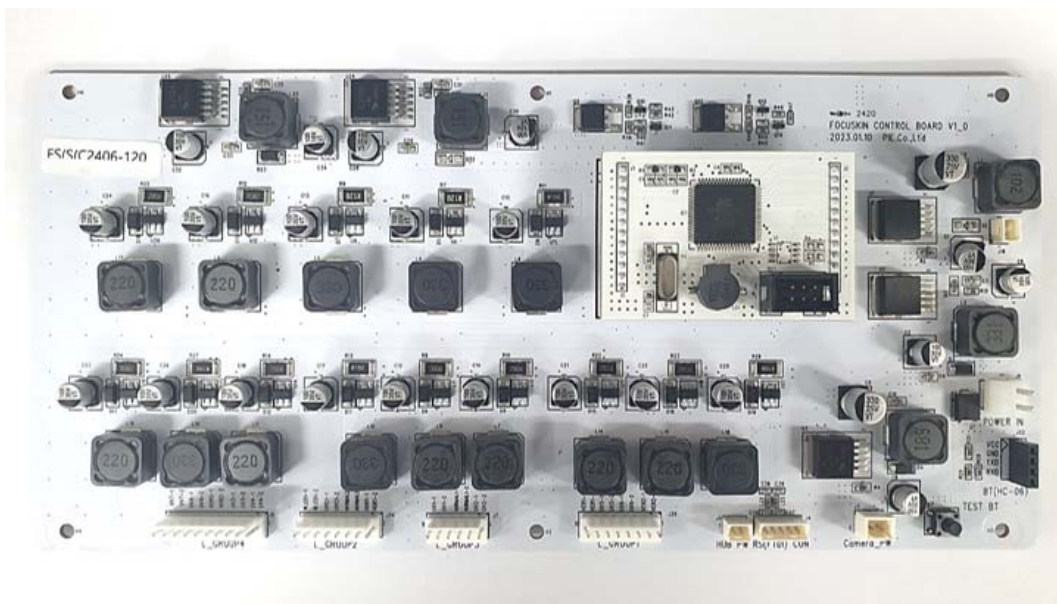
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3	Photo (ED-XRF Test Sample)	6 ~ 38
4	ED-XRF Screening Test	39 ~ 50
5-1	Chemical Test : Pb, Cd, Cr ⁶⁺ , Hg, PBBs, PBDEs	51 ~ 93
5-2	Chemical Test : Phthalates (DEHP, DBP, DIBP, BBP)	94 ~ 100
SUMMARY		
	This test results are obtained from two procedures : i) Screening by the ED-XRF(EN 62321-3-1) ii) Determination(precision): Lead, Cadmium and Mercury by ICP/OES(EN 62321-4, EN 62321-5) Hexavalent Chromium by Colorimetric method and UV-VIS (EN 62321-7-1, EN 62321-7-2) PBBs and PBDEs by GC/MS(EN 62321-6) Phthalates(DEHP, BBP, DBP, DIBP) by GC/MS(EN 62321-8)	
GENERAL REMARK		
	- This report applies only to the sample(s) tested. It is the manufacturer's responsibility to assure the additional production units of this product are manufactured with identical electrical and mechanical components. - Exemption components were verified to documents, provided by manufacturer. - This report is not evaluated the component ; Battery, Camera	
	- This report is tested with model Focuskin M. - The Focuskin M and Focuskin are same products, distinguished only by the model name.	
OTHERS		
	N.D : Not Detected, N.A : Not Applicable, D.L : Detection limit	
	Test Equipment ICP-OES Perkin Elmer Optima 5100 DV / AAS Perkin Elmer AAnalyst 400 UV-VIS Perkin Elmer Lambda 25 GC/MS Shimadzu QP2020NX GC/MS Agilent 7890A-5975C	

1. Photo

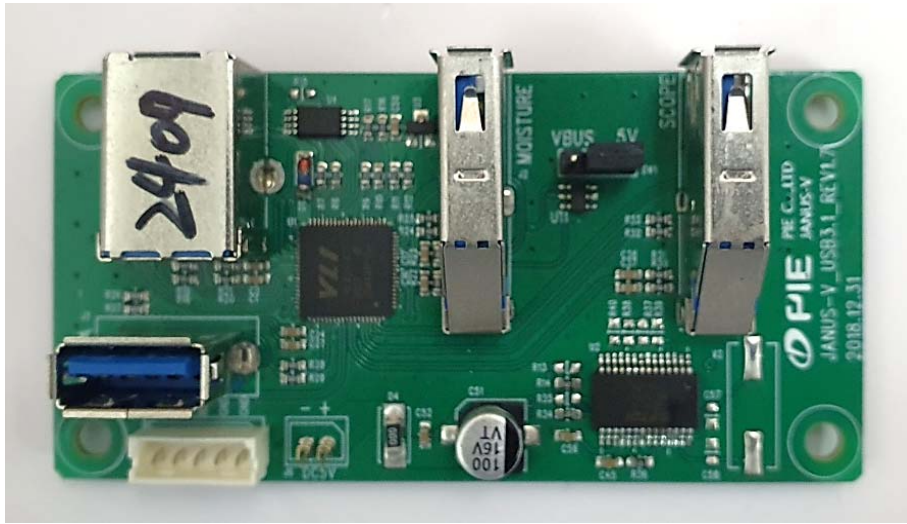
Focuskin M



CONTROL BOARD



USB HUB BOARD





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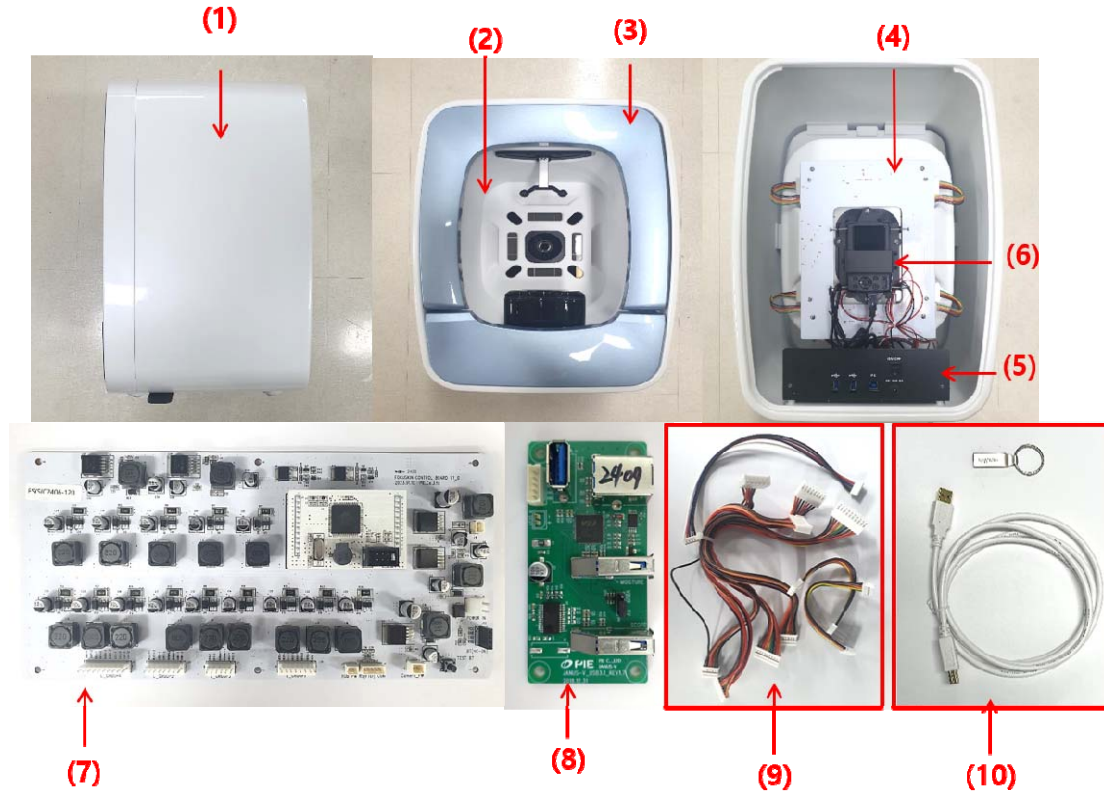
Report No.: CTK0206-RS-0003

2. PART LIST

Part Name	MAKER	Part Name	MAKER
BODY	SEOJU PLATEC	USB 3.0 HUB	MTI
TERMINAL PLATE	DAECHUK INDUSTRY	PL FILTER	EDMUNDOPTICS KOREA
SPRING	SAMJUNG	CABLE	YG ELECTRIC
CONTROL BOARD	SHINSUNG ELECCOM		

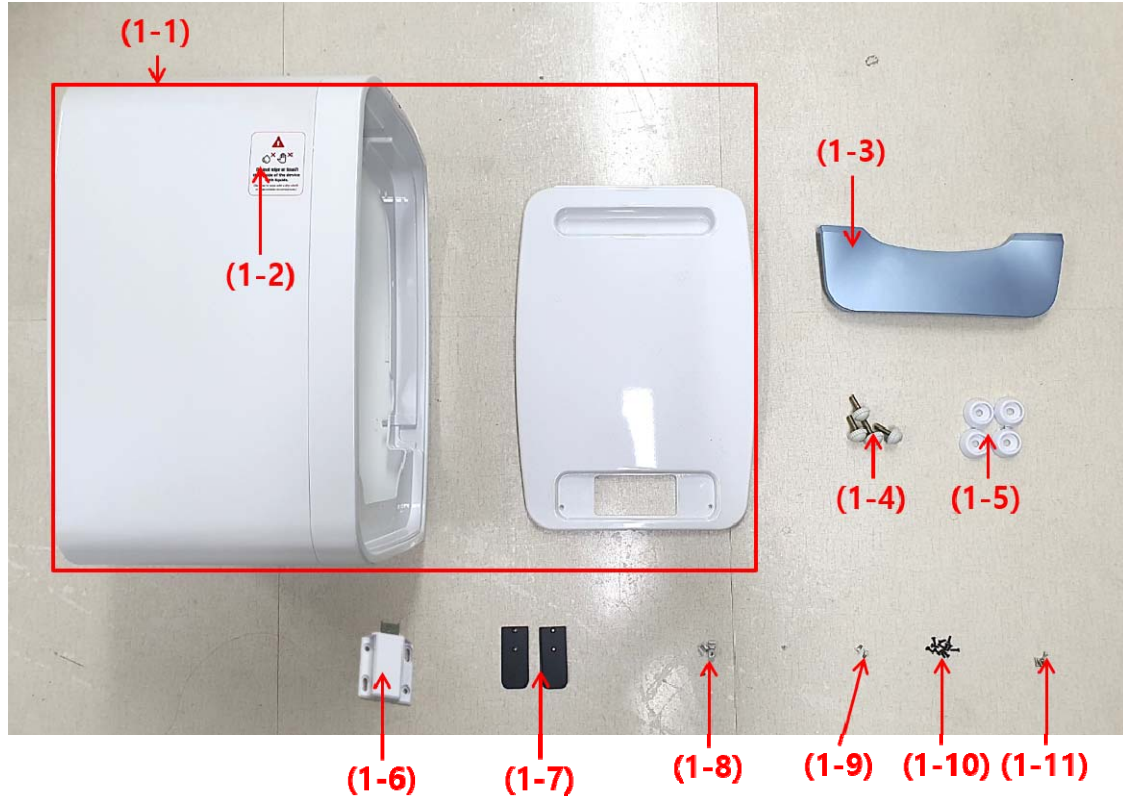
3. PHOTO (ED-XRF test)

Focuskin M



1	BODY&AS COVER	6	CAMERA ASS'Y
2	INSIDE CASE	7	CONTROL BOARD
3	FRONT DECO TOP	8	USB HUB BOARD
4	LED BOARD	9	CABLES
5	TERMINAL PLATE ASS'Y	10	ACCESSORY

(1) BODY&AS COVER



1-1	FRONT & AS COVER	1-7	CRADLE BRACKET
1-2	STICKER	1-8	HOLDER(GRAY)
1-3	FRONT DECO BOTTOM	1-9	SCREW-1
1-4	FOOT SCREW	1-10	SCREW-2
1-5	FOOT CAP	1-11	SCREW-3
1-6	TOUCH OPENER		

(1-4) FOOT SCREW



(1-4-1)

(1-4-2)

No.

SAMPLE NAME

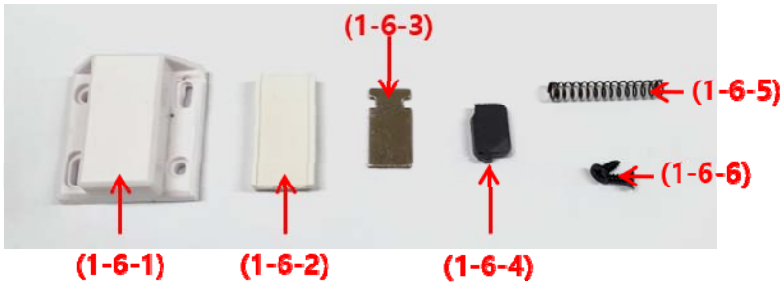
1-4-1

CAP

1-4-2

SCREW

(1-6) TOUCH OPENER



(1-6-1)

(1-6-2)

(1-6-4)

(1-6-3)

(1-6-5)

(1-6-6)

No.

SAMPLE NAME

1-6-1

BODY

1-6-2

COVER

1-6-3

METAL PLATE

1-6-4

MAGNET

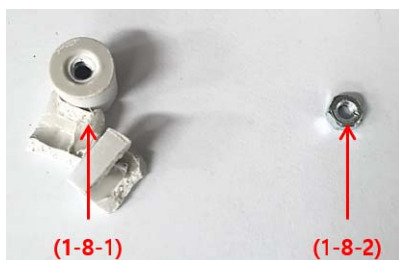
1-6-5

SPRING

1-6-6

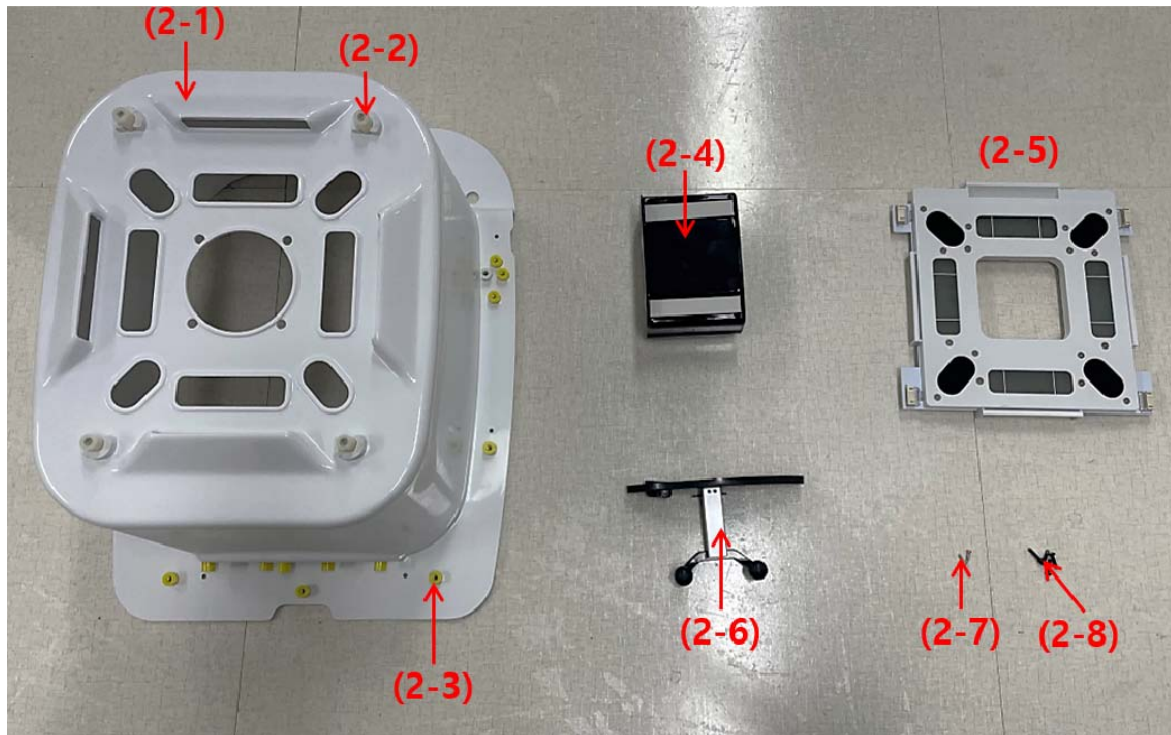
SCREW(BLACK)

(1-8) HOLDER(GRAY)



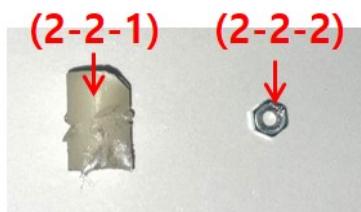
No.	SAMPLE NAME
1-8-1	HOLDER
1-8-2	NUT

(2) INSIDE CASE



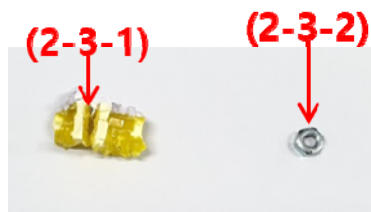
2-1	INSIDE CASE	2-5	FILTER BRACKET
2-2	HOLDER(WHITE)	2-6	FOREHEAD STAND
2-3	HOLDER(YELLOW)	2-7	SCREW-1
2-4	JAW STAND	2-8	SCREW-2

(2-2) HOLDER(WHITE)



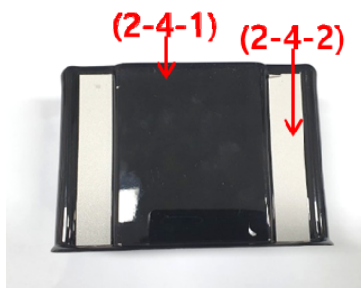
No.	SAMPLE NAME
2-2-1	HOLDER
2-2-2	NUT

(2-3) HOLDER(YELLOW)



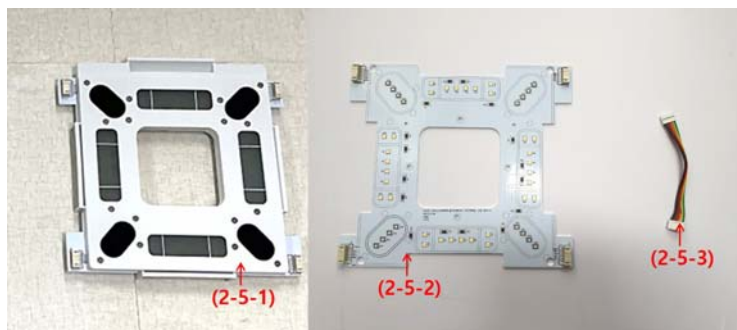
No.	SAMPLE NAME
2-3-1	HOLDER
2-3-2	NUT

(2-4) JAW STAND



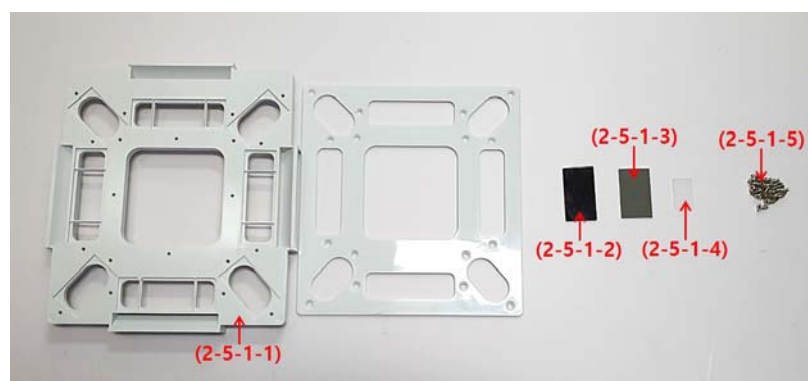
No.	SAMPLE NAME
2-4-1	STAND
2-4-2	GRAY REFERENCE TAPE

(2-5) FILTER BRACKET



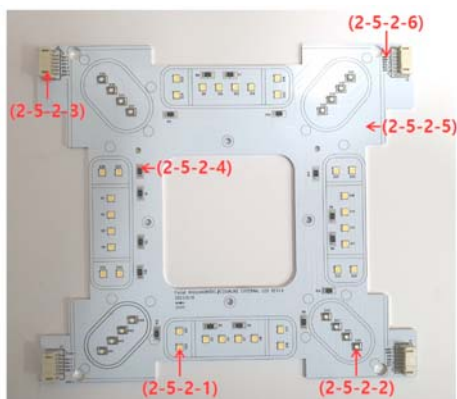
No.	SAMPLE NAME
2-5-1	FILTER BRACKET
2-5-2	LED OUTSIDE BOARD
2-5-3	CABLE

(2-5-1) FILTER BRACKET



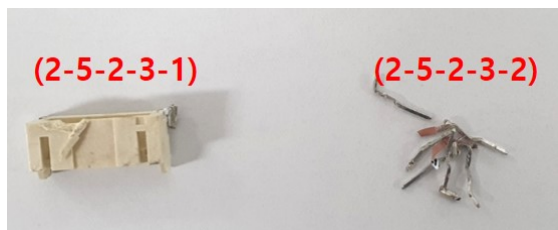
No.	SAMPLE NAME
2-5-1-1	FILTER BRACKET
2-5-1-2	CUT FILTER
2-5-1-3	PL FILTER
2-5-1-4	PL DIFFUSER
2-5-1-5	SCREW

(2-5-2) LED OUTSIDE BOARD



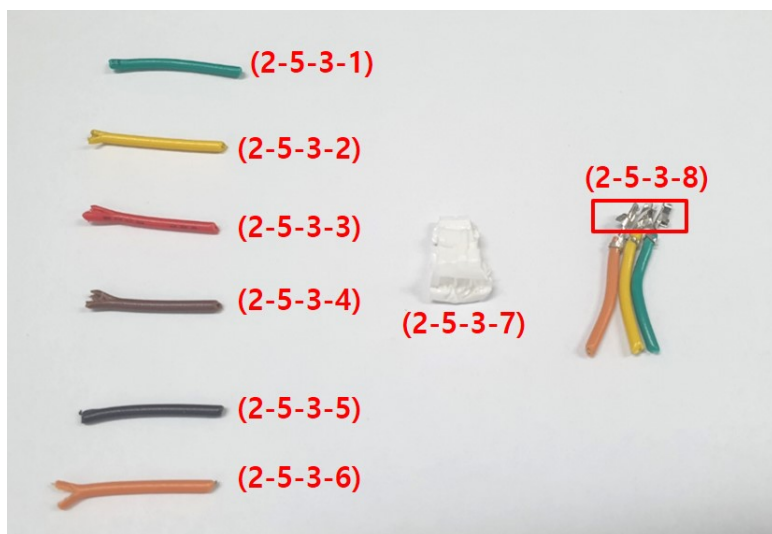
No.	SAMPLE NAME
2-5-2-1	LED
2-5-2-2	UV LED
2-5-2-3	CONNECTOR
2-5-2-4	CHIP RESISTOR
2-5-2-5	PCB
2-5-2-6	SOLDER

(2-5-2-3) CONNECTOR



No.	SAMPLE NAME
2-5-2-3-1	MOLD
2-5-2-3-2	PIN

(2-5-3) CABLE



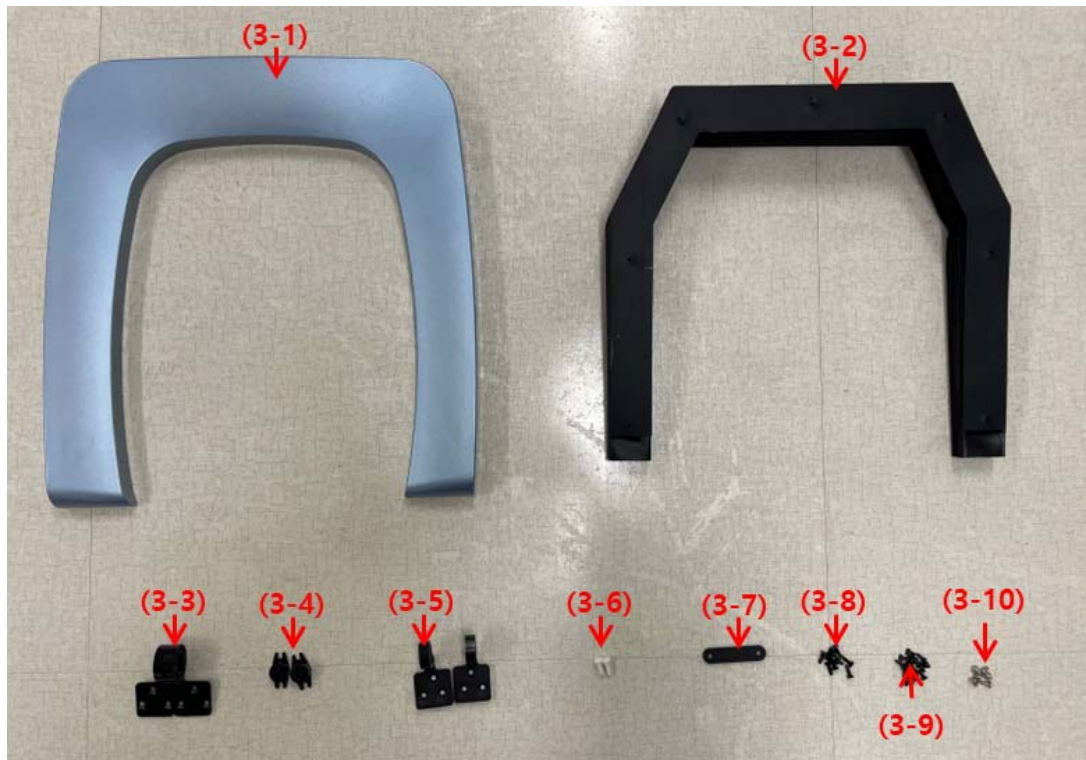
No.	SAMPLE NAME
2-5-3-1	INSULATION WIRE(GREEN)
2-5-3-2	INSULATION WIRE(YELLOW)
2-5-3-3	INSULATION WIRE(RED)
2-5-3-4	INSULATION WIRE(BROWN)
2-5-3-5	INSULATION WIRE(BLACK)
2-5-3-6	INSULATION WIRE(ORANGE)
2-5-3-7	MOLD
2-5-3-8	PIN

(2-6) FOREHEAD STAND



No.	SAMPLE NAME
2-6-1	BASE
2-6-2	GUIDE(Y TYPE)
2-6-3	HOLDER
2-6-4	HOLD PLT
2-6-5	SUPPORT RUBBER
2-6-6	FOREHEAD FRONT
2-6-7	FOREHEAD RAIL
2-6-8	SPRING T TYPE
2-6-9	PLUNGER
2-6-10	WASHER
2-6-11	SCREW(SILVER)
2-6-12	SCREW(BLACK)

(3) FRONT DECO TOP



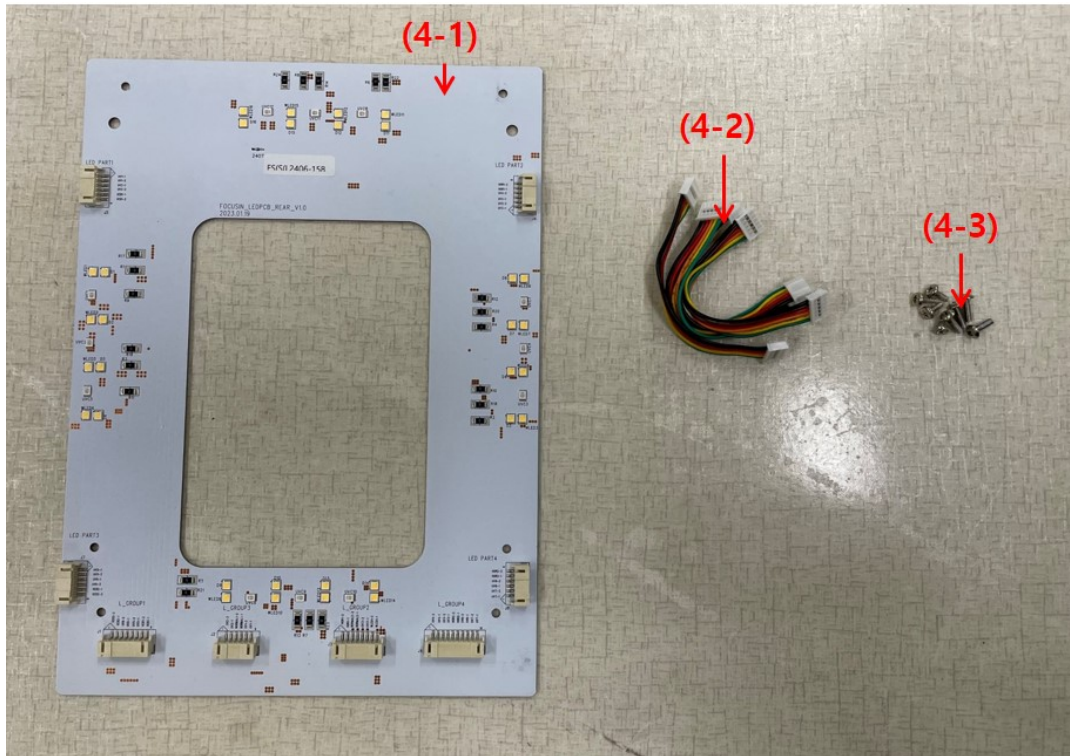
3-1	SCREEN COVER TOP	3-6	HINGE FIXED PIN
3-2	POLDING SCREEN	3-7	CATCH STEEL PLATE
3-3	PLEAT HINGE COVER L/R	3-8	SCREW-1
3-4	HINGE FIXED BRACKET	3-9	SCREW-2
3-5	PLEAT HINGE BODY L/R	3-10	SCREW-3

(3-2) POLDING SCREEN



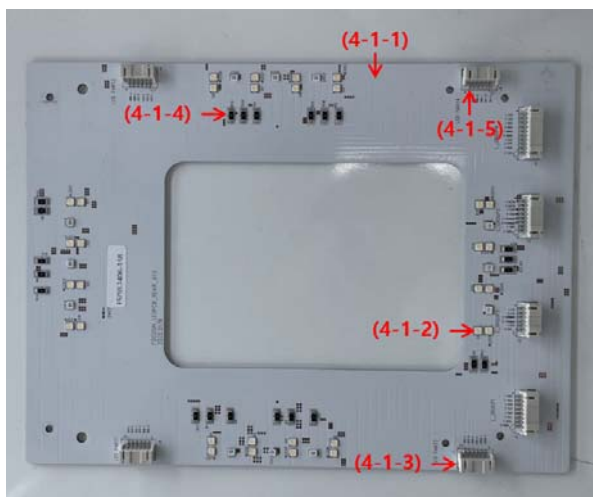
No.	SAMPLE NAME
3-2-1	MOLD
3-2-2	FABRIC

(4) LED BOARD



4-1	LED INSIDE BOARD	4-3	SCREW
4-2	LED CABLE		

(4-1) LED INSIDE BOARD



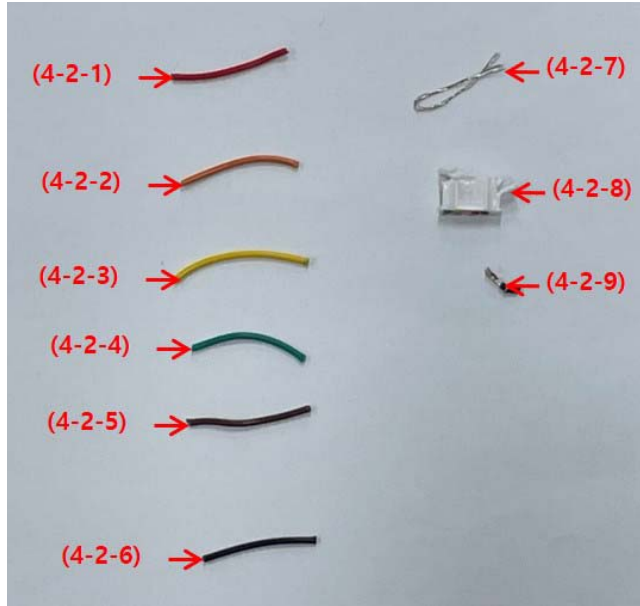
No.	SAMPLE NAME
4-1-1	BOARD
4-1-2	CHIP LED DIODE(YELLOW)
4-1-3	CONNECTOR
4-1-4	CHIP RESISTOR
4-1-5	SOLDER

(4-1-3) CONNECTOR



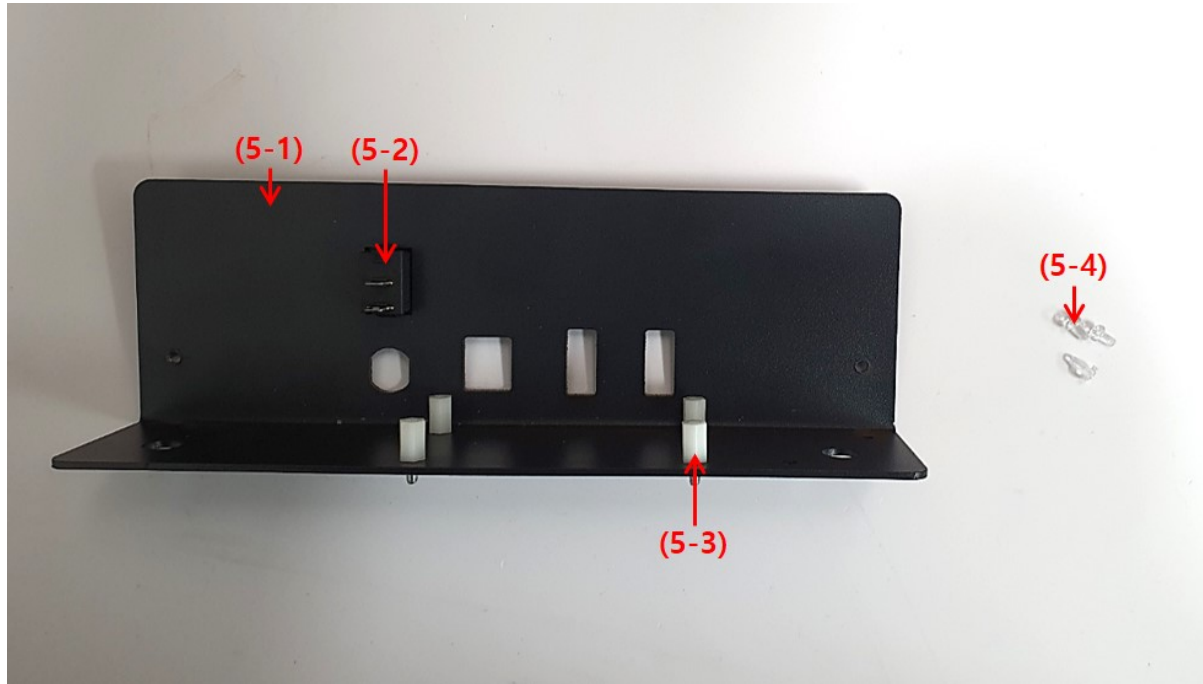
No.	SAMPLE NAME
4-1-3-1	MOLD
4-1-3-2	PIN

(4-2) LED CABLE



No.	SAMPLE NAME
4-2-1	INSULATION WIRE(RED)
4-2-2	INSULATION WIRE(ORANGE)
4-2-3	INSULATION WIRE(YELLOW)
4-2-4	INSULATION WIRE(GREEN)
4-2-5	INSULATION WIRE(BROWN)
4-2-6	INSULATION WIRE(BLACK)
4-2-7	INNER WIRE
4-2-8	MOLD
4-2-9	PIN

(5) TERMINAL PLATE ASS'Y



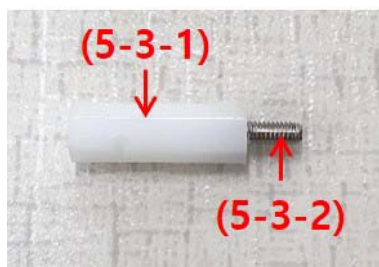
5-1	TERMINAL PLATE	5-3	SUPPORT SCREW
5-2	SWITCH	5-4	PP SCREW

(5-2) SWITCH



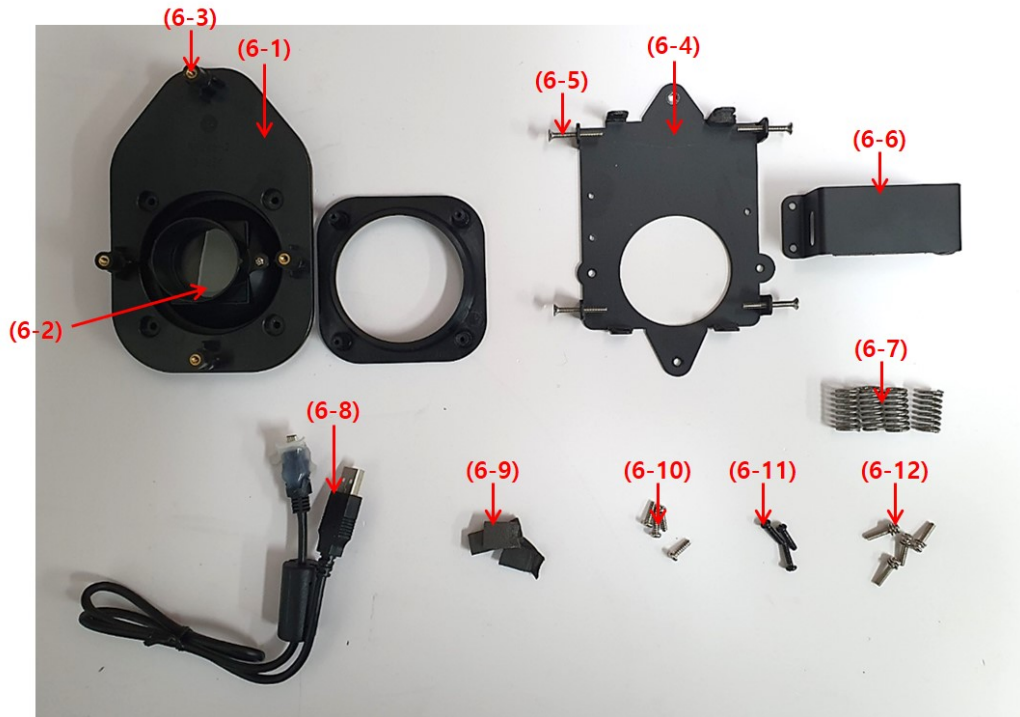
No.	SAMPLE NAME
5-2-1	BASE
5-2-2	KNOB
5-2-3	CONTACT
5-2-4	INNER METAL
5-2-5	SPRING

(5-3) SUPPORT SCREW



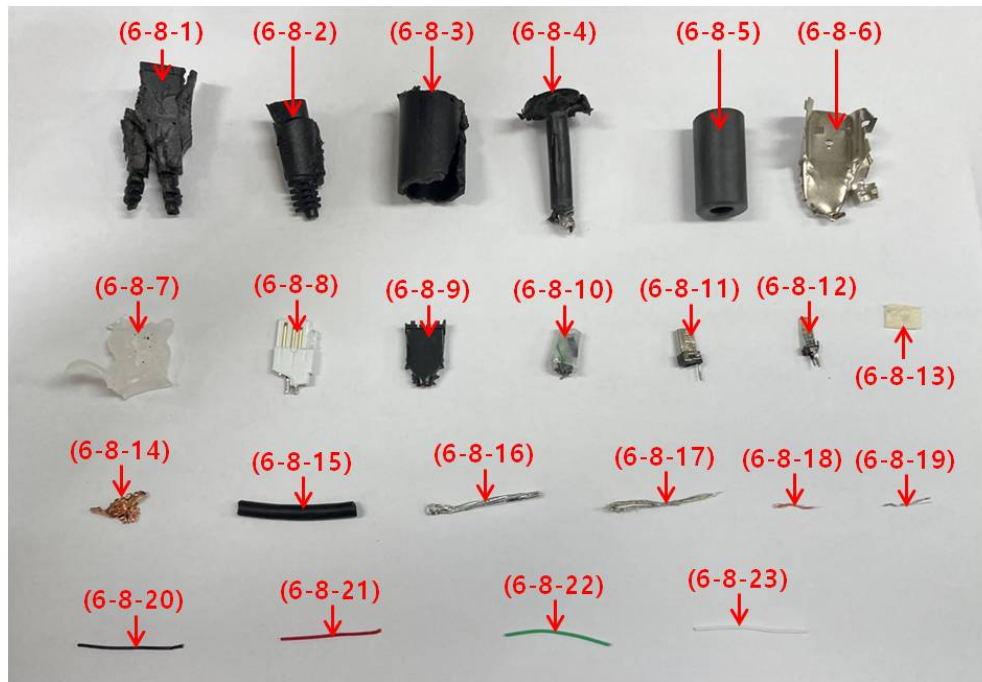
No.	SAMPLE NAME
5-3-1	MOLD
5-3-2	SCREW

(6) CAMERA ASS'Y



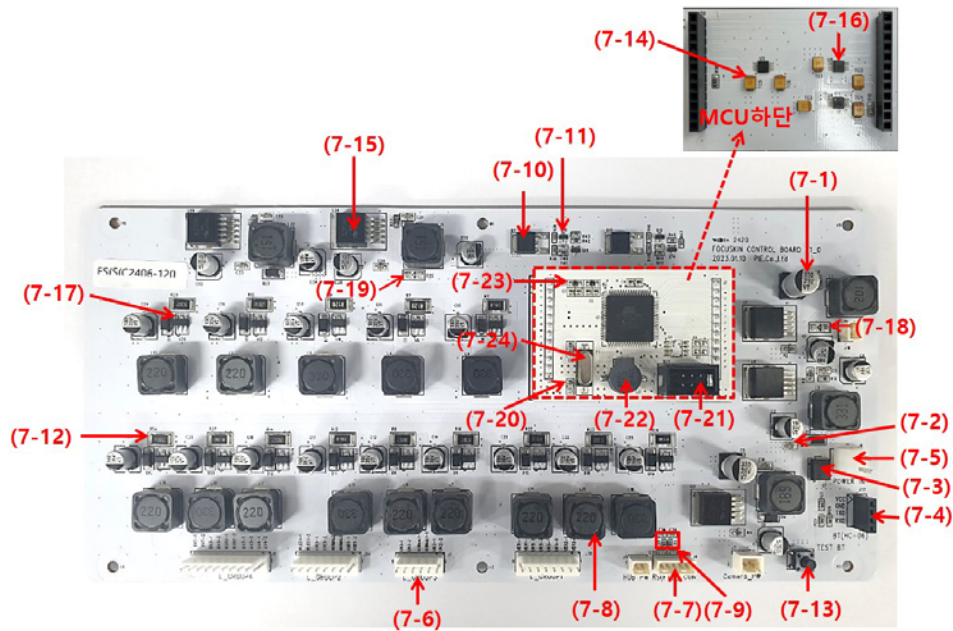
6-1	CAMERA HOLDER	6-7	SPRING
6-2	CAMERA PL FILTER	6-8	CAMERA USB CABLE
6-3	BUSHING SCREW	6-9	SPONGE
6-4	CAMERA BRACKET	6-10	SCREW-1
6-5	CAMERA BRACKET HOLDER SCREW	6-11	SCREW-2
6-6	CAMERA BRACKET CLIP	6-12	SCREW-3

(6-8) CAMERA USB CABLE



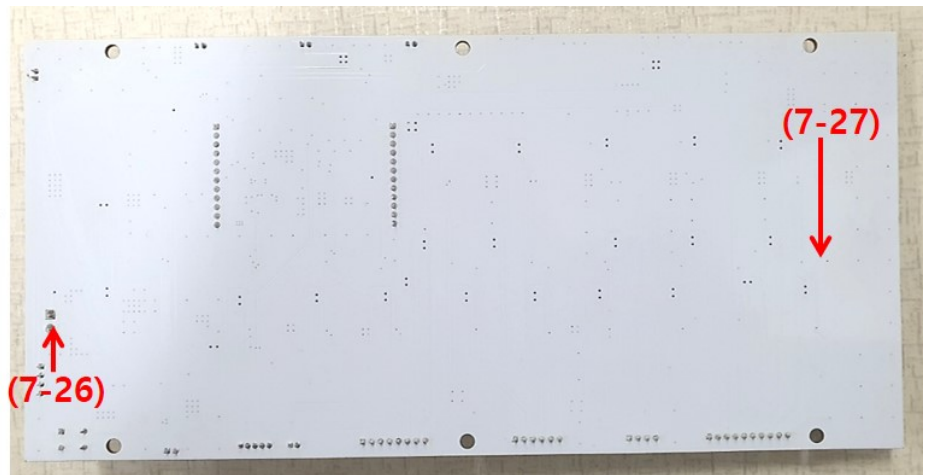
6-8-1	USB BUSHING	6-8-13	TAPE
6-8-2	BUSHING-1	6-8-14	COPPER WIRE
6-8-3	BUSHING-2	6-8-15	JACKET-2
6-8-4	JACKET-1	6-8-16	AL FOIL
6-8-5	CORE	6-8-17	INNER WIRE-1
6-8-6	USB SHELL	6-8-18	SHIELD WIRE
6-8-7	SILICONE	6-8-19	INNER WIRE-2
6-8-8	USB MOLD(WHITE)	6-8-20	INSULATION WIRE(BLACK)
6-8-9	USB MOLD(BLACK)	6-8-21	INSULATION WIRE(RED)
6-8-10	RESIN	6-8-22	INSULATION WIRE(GREEN)
6-8-11	USB PIN-1	6-8-23	INSULATION WIRE(WHITE)
6-8-12	USB PIN-2		

(7) CONTROL BOARD



7-1	CAPACITOR(C1~3,6,8,9,11~18,21~26,34) : JS-CON	7-13	SWITCH(SW7) : DAEJUNG ELC.
7-2	C-CHIP(C4,5,7,10,29,31,33,35~39) : WISIN	7-14	CAPACITOR(TC1~6) : KEMET, AUX
7-3	DIODE(D1~12,15~20,22~23) : FIRST SILICON	7-15	IC(U1~3,24,25) : IK SEMICOM
7-4	HEADER(J30~32) : YEONHO	7-16	IC(U4,5,8) : ANALOG DEVICE
7-5	PWR IN CONNECTOR(J6) : YEONHO	7-17	LED DRIVER(U6,7,9~14,17~22) : POWERTECH
7-6	CONNECTOR(J7,8,34,35) : YEONHO	7-18	DIODE(D2~12,15~20,23) : FIRST SILICON
7-7	CONNECTOR(J3~5,18) : YEONHO	7-19	DIODE(D22) : FIRST SILICON
7-8	INDUCTOR(L1~11,14~19,21,22) : KOEL	7-20	C-CHIP(C1,2,4~7) : WISIN / UNIOIN
7-9	CHIP FERRITE BEAD(L23,24) : MAX EHOH	7-21	CONNECTOR(ISP1) : YEONHO
7-10	MOSFET(Q5,13) : INFINEON	7-22	BUZZER(LS1) : EL3
7-11	NPN BJT(Q10~12,14,15,17) : FIRST SILICON	7-23	R-CHIP(R1,2,4~7) : WISIN / UNIOIN
7-12	CHIP RESISTOR (R2~4,7~15,18,19,22~29,31~36,39~55) : WISIN / UNIOIN	7-24	OSCILLATOR(Y1) : DAEJUNG ELC.

(7) CONTROL BOARD



7-25	DIODE(Q1) : FIRST SILICON	7-27	PCB
7-26	SOLDER		

(7-1) CAPACITOR(C1~3,6,8,9,11~18,21~26,34) : JS-CON

	No.	SAMPLE NAME
	7-1-1	AL CAN
	7-1-2	RUBBER BAKE
	7-1-3	SEPARATOR
	7-1-4	BASE
	7-1-5	PIN

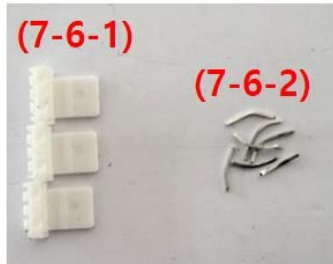
(7-4) HEADER(J30~32) : YEONHO

	No.	SAMPLE NAME
	7-4-1	MOLD
	7-4-2	PIN

(7-5) PWR IN CONNECTOR(J6) : YEONHO

	No.	SAMPLE NAME
	7-5-1	MOLD
	7-5-2	PIN

(7-6) CONNECTOR(J7,8,34,35) : YEONHO



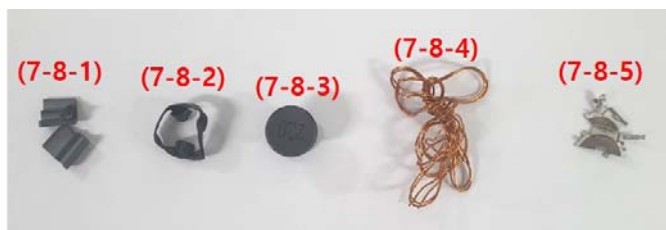
No.	SAMPLE NAME
7-6-1	MOLD
7-6-2	PIN

(7-7) CONNECTOR(J3~5,18,LED VAR) : YEONHO



No.	SAMPLE NAME
7-7-1	MOLD
7-7-2	PIN

(7-8) INDUCTOR(L1~11,14~19,21,22) : KOEL



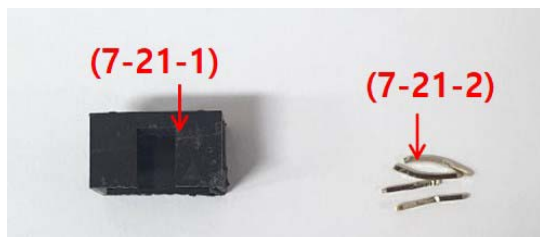
No.	SAMPLE NAME
7-8-1	FERRITE CORE
7-8-2	INSULATION TAPE
7-8-3	BOBBIN
7-8-4	COIL
7-8-5	CONTACT PLATE

(7-13) SWITCH(SW7) : DAEJUNG ELC.



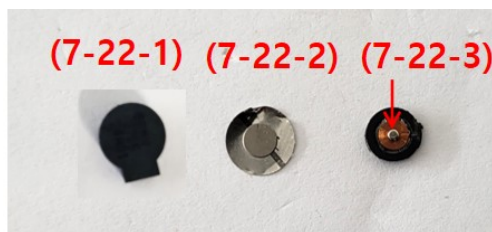
No.	SAMPLE NAME
7-13-1	BUTTON
7-13-2	DAMPER
7-13-3	DISC
7-13-4	MOLD BASE
7-13-5	CONTACT

(7-21) CONNECTOR(ISP1) : YEONHO



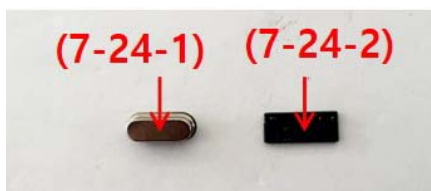
No.	SAMPLE NAME
7-21-1	MOLD
7-21-2	PIN

(7-22) BUZZER(LS1) : EL3



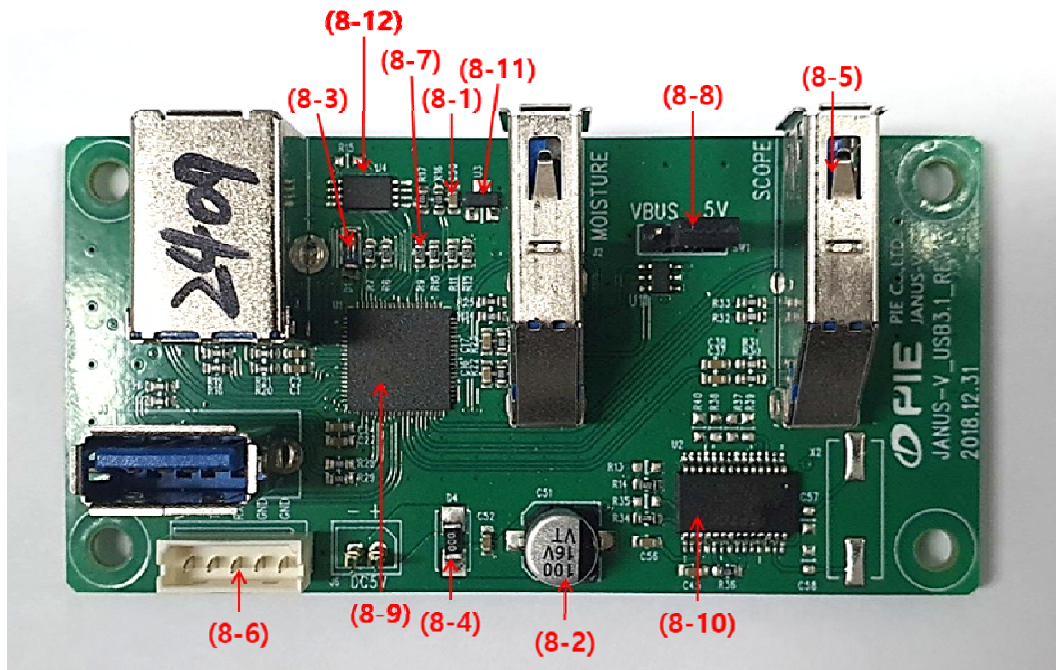
No.	SAMPLE NAME
7-22-1	CASE
7-22-2	ELEMENT DISC
7-22-3	METAL PLATE

(7-24) OSCILLATOR(Y1) : DAEJUNG ELC.



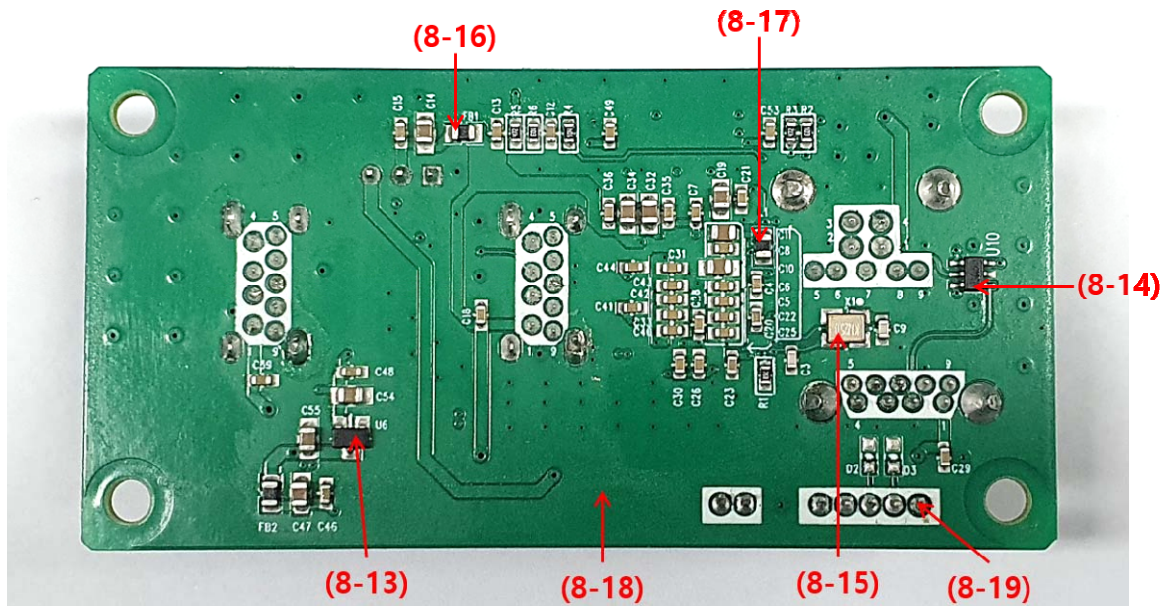
No.	SAMPLE NAME
7-24-1	CASE
7-24-2	BASE

(8) USB HUB BOARD



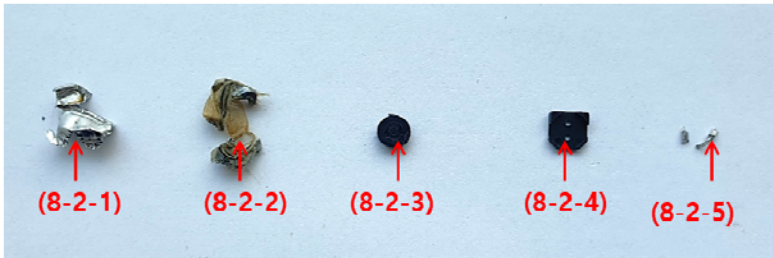
8-1	C-CHIP(C1~50, etc) : SAMHWA	8-7	R-CHIP(R1~14,16~40) : SAMSUNG ELC.
8-2	CAPACITOR(C51) : SAMHWA	8-8	HEADER(SW1) : WURTH
8-3	DIODE(D1) : ONSEMI	8-9	CONTROLLER(U1) : VIA LAB
8-4	RESISTOR(D4) : SAMSUNG ELC.	8-10	IC(U2) : FTDI
8-5	CONNECTOR(J1~4) : AMPHENOL	8-11	IC(U3) : MICROCHIP
8-6	CONNECTOR(J1~4) : MOLEX	8-12	IC(U4) : MACRONIX

(8) USB HUB BOARD

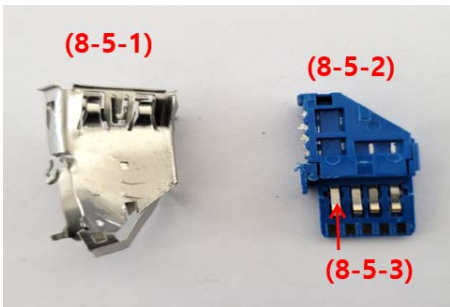


8-13	IC(U6) : AIC	8-17	INDUCTOR(L1) : TDK
8-14	TVS ARRAY(U10,11) : SEMIWARE	8-18	PCB
8-15	X-TAL(X1) : CHIPSUN	8-19	SOLDER
8-16	BEAD(FB1,2) : TDK		

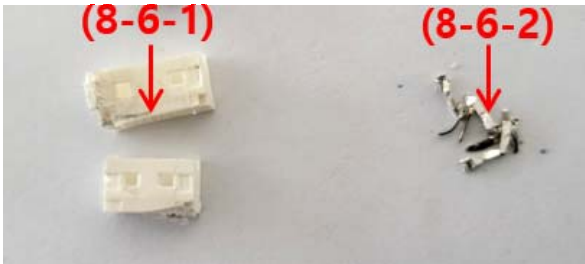
(8-2) CAPACITOR(C51) : SAMHWA

	No.	SAMPLE NAME
	8-2-1	AL CAN
	8-2-2	SEPARATOR
	8-2-3	RUBBER BAKE
	8-2-4	BASE
	8-2-5	PIN

(8-5) CONNECTOR(J1~4) : AMPHENOL

	No.	SAMPLE NAME
	8-5-1	SHELL
	8-5-2	MOLD
	8-5-3	PIN

(8-6) CONNECTOR(J1~4) : MOLEX

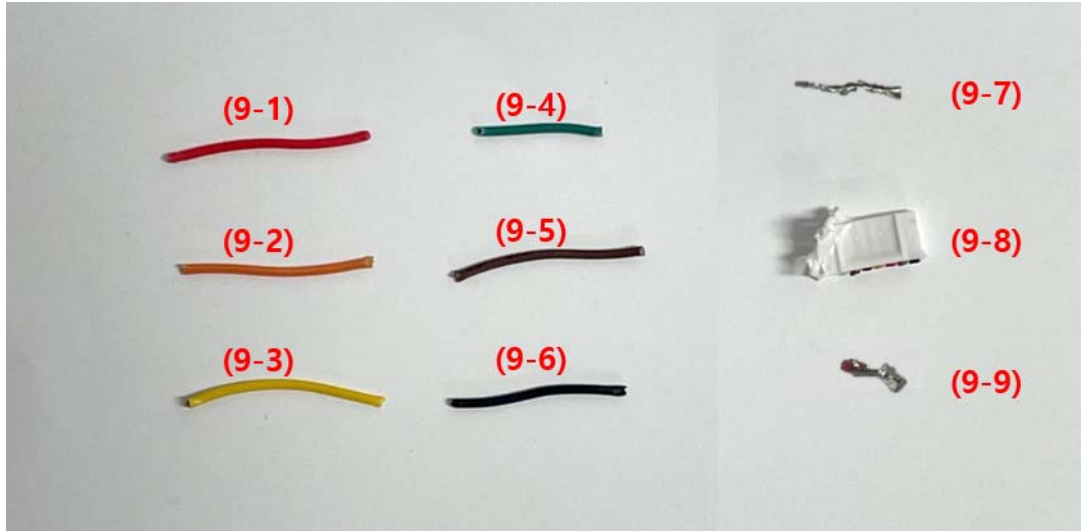
	No.	SAMPLE NAME
	8-6-1	MOLD
	8-6-2	PIN

(8-8) HEADER(SW1) : WURTH



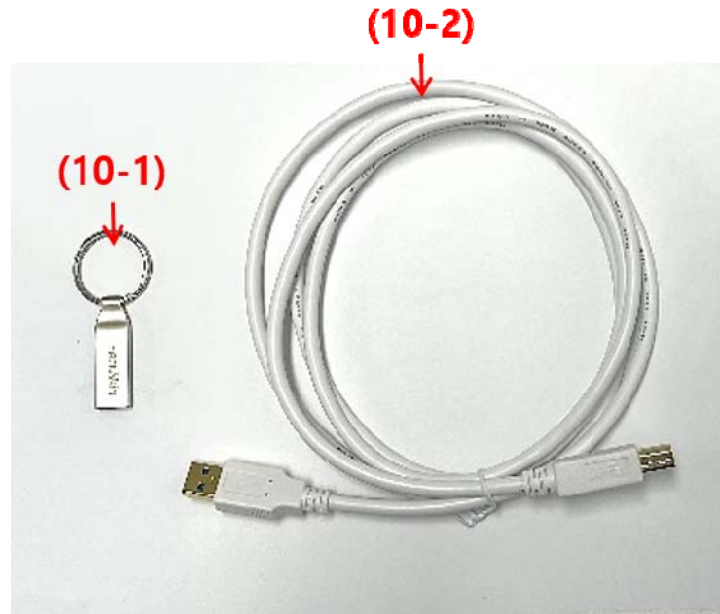
No.	SAMPLE NAME
8-8-1	MOLD
8-8-2	TERMINAL

(9) CABLES

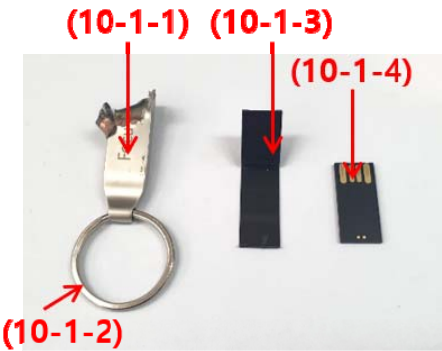


9-1	INSULATION WIRE(RED)	9-6	INSULATION WIRE(BLACK)
9-2	INSULATION WIRE(ORANGE)	9-7	INNER WIRE
9-3	INSULATION WIRE(YELLOW)	9-8	MOLD
9-4	INSULATION WIRE(GREEN)	9-9	PIN
9-5	INSULATION WIRE(BROWN)		

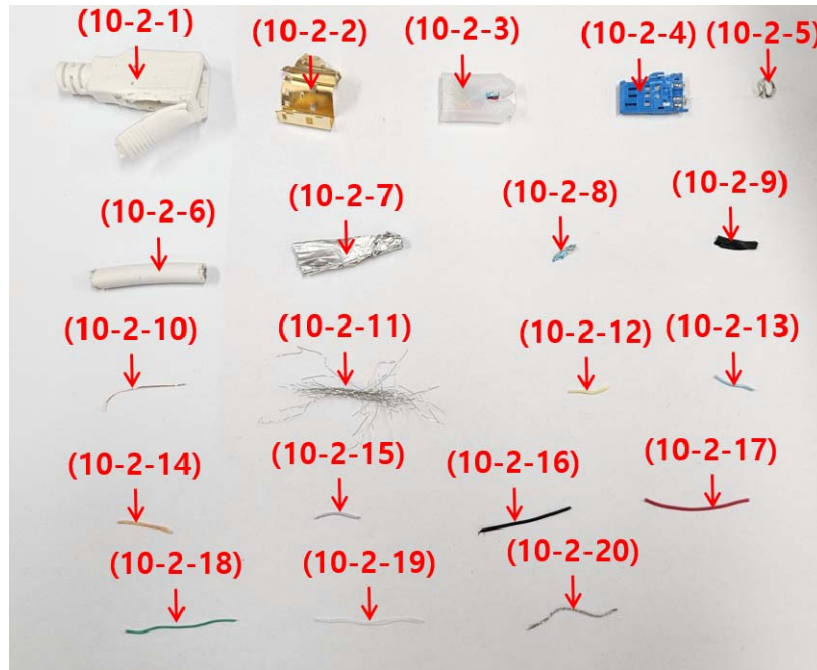
(10) ACCESSORY



10-1	USB	10-2	USB CABLE
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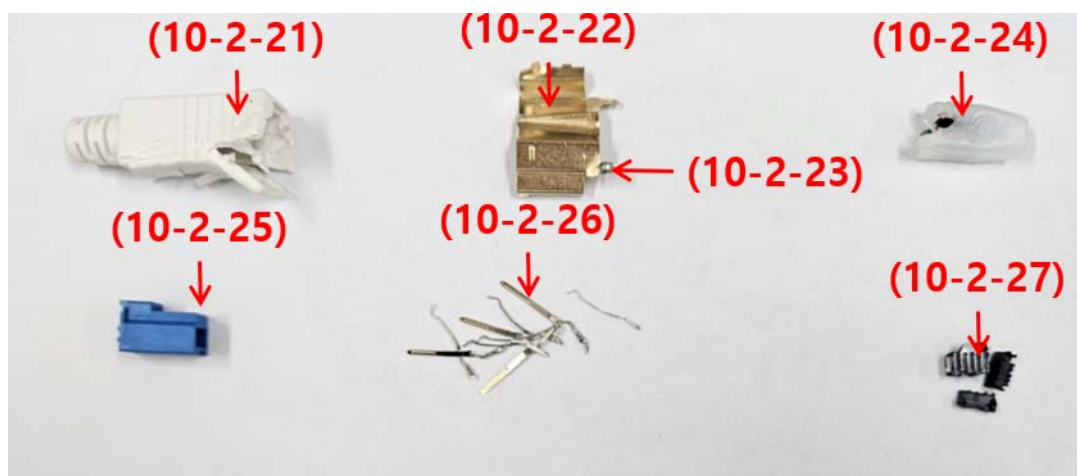
(10-1) USB		
	No.	SAMPLE NAME
	10-1-1	METAL CASE
	10-1-2	KEYRING
	10-1-3	INNER MOLD
	10-1-4	CONTACT TERMINAL

(10-2) USB CABLE



10-2-1	USB BUSHING	10-2-11	SHIELD WIRE
10-2-2	USB SHELL	10-2-12	INSULATION WIRE(YELLOW)
10-2-3	RESIN-1	10-2-13	INSULATION WIRE(SKY)
10-2-4	USB MOLD(BLUE)	10-2-14	INSULATION WIRE(ORANGE)
10-2-5	PIN-1	10-2-15	INSULATION WIRE(PURPLE)
10-2-6	JACKET	10-2-16	INSULATION WIRE(BLACK)
10-2-7	AL FOIL(SILVER)	10-2-17	INSULATION WIRE(RED)
10-2-8	AL FOIL(SKY)	10-2-18	INSULATION WIRE(GREEN)
10-2-9	SHEET(BLACK)	10-2-19	INSULATION WIRE(WHITE)
10-2-10	COPPER WIRE	10-2-20	WIRE

(10-2) USB CABLE



10-2-21	BUSHING	10-2-25	MOLD(BLUE)
10-2-22	SHELL	10-2-26	PIN-2
10-2-23	SOLDER	10-2-27	INNER MOLD(BLACK)
10-2-24	RESIN-2		

4. ED-XRF Screening TEST

No.	Sample Name	Results					Results of Chemical Testing(mg/kg) / Colormetric test (µg/cm ² or mg/kg)	Conclusion on ROHS
		Pb	Cd	Cr	Hg	Br		
1	BODY&AS COVER							
1-1	FRONT & AS COVER	BL	BL	BL	BL	BL		Comply
1-2	STICKER	BL	BL	BL	BL	BL		Comply
1-3	FRONT DECO BOTTOM	BL	BL	BL	BL	BL		Comply
1-4-1	FOOT SCREW_CAP	BL	BL	BL	BL	BL		Comply
*1-4-2	SCREW	BL	BL	IN	BL	N.A	Colormetric test : Negative	Comply
1-5	FOOT CAP	BL	BL	BL	BL	BL		Comply
1-6	TOUCH OPENER_BODY	BL	BL	BL	BL	BL		Comply
1-6-2	COVER	BL	BL	BL	BL	BL		Comply
1-6-3	METAL PLATE	BL	BL	BL	BL	N.A		Comply
1-6-4	MAGNET	BL	BL	BL	BL	N.A		Comply
1-6-5	SPRING	BL	BL	BL	BL	N.A		Comply
*1-6-6	SCREW(BLACK)	BL	BL	IN	BL	N.A	Colormetric test : Negative	Comply
1-7	CRADLE BRACKET	BL	BL	BL	BL	N.A		Comply
1-8-1	HOLDER(GRAY)_HOLDER	BL	BL	BL	BL	BL		Comply
*1-8-2	NUT	BL	BL	IN	BL	N.A	Colormetric test : Negative	Comply
*1-9	SCREW-1	BL	BL	IN	BL	N.A	Colormetric test : Negative	Comply
*1-10	SCREW-2	BL	BL	IN	BL	N.A	Colormetric test : Negative	Comply
*1-11	SCREW-3	BL	BL	IN	BL	N.A	Colormetric test : Negative	Comply
2	INSIDE CASE							
2-1	INSIDE CASE	BL	BL	BL	BL	BL		Comply
2-2-1	HOLDER(WHITE)_HOLDER	BL	BL	BL	BL	BL		Comply
*2-2-2	NUT	BL	BL	IN	BL	N.A	Colormetric test : Negative	Comply
2-3-1	HOLDER(YELLOW)_HOLDER	BL	BL	BL	BL	BL		Comply

OL: Over Limit / BL: below limit / IN : inconclusive / N.D: Not Detection / N.A: Not Applicable / * Chemical Test

No.	Sample Name	Results					Results of Chemical Testing(mg/kg) / Colormetric test (µg/cm ² or mg/kg)	Conclusion on ROHS
		Pb	Cd	Cr	Hg	Br		
*2-3-2	NUT	BL	BL	IN	BL	N.A	Colormetric test : Negative	Comply
2-4-1	JAW STAND_STAND	BL	BL	BL	BL	BL		Comply
2-4-2	GRAY REFERENCE TAPE	BL	BL	BL	BL	BL		Comply
2-5-1-1	FILTER BRACKET	BL	BL	BL	BL	BL		Comply
2-5-1-2	CUT FILTER	BL	BL	BL	BL	BL		Comply
2-5-1-3	PL FILTER	BL	BL	BL	BL	BL		Comply
2-5-1-4	PL DIFFUSER	BL	BL	BL	BL	BL		Comply
*2-5-1-5	SCREW	BL	BL	IN	BL	N.A	Colormetric test : Negative	Comply
2-5-2-1	LED OUTSIDE BOARD LED	BL	BL	BL	BL	BL		Comply
2-5-2-2	UV LED	BL	BL	BL	BL	BL		Comply
2-5-2-3-1	CONNECTOR_MOLD	BL	BL	BL	BL	BL		Comply
2-5-2-3-2	PIN	BL	BL	BL	BL	N.A		Comply
*2-5-2-4	CHIP RESISTOR	IN	BL	IN	BL	BL	Pb : 1.1×10 ³ (Exemption : Annex III 7(c)-I) Cr ⁶⁺ : N.D	Comply
2-5-2-5	PCB	BL	BL	BL	BL	N.A		Comply
2-5-2-6	SOLDER	BL	BL	BL	BL	N.A		Comply
2-5-3-1	CABLE INSULATION WIRE (GREEN)	BL	BL	BL	BL	BL		Comply
2-5-3-2	INSULATION WIRE(YELLOW)	BL	BL	BL	BL	BL		Comply
2-5-3-3	INSULATION WIRE(RED)	BL	BL	BL	BL	BL		Comply
2-5-3-4	INSULATION WIRE(BROWN)	BL	BL	BL	BL	BL		Comply
2-5-3-5	INSULATION WIRE(BLACK)	BL	BL	BL	BL	BL		Comply
2-5-3-6	INSULATION WIRE(ORANGE)	BL	BL	BL	BL	BL		Comply
2-5-3-7	MOLD	BL	BL	BL	BL	BL		Comply
2-5-3-8	PIN	BL	BL	BL	BL	N.A		Comply
2-6-1	FOREHEAD STAND_BASE	BL	BL	BL	BL	BL		Comply
2-6-2	GUIDE(Y TYPE)	BL	BL	BL	BL	BL		Comply

OL: Over Limit / BL: below limit / IN : inconclusive / N.D: Not Detection / N.A: Not Applicable / * Chemical Test

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No.	Sample Name	Results					Results of Chemical Testing(mg/kg) / Colormetric test (µg/cm ² or mg/kg)	Conclusion on ROHS
		Pb	Cd	Cr	Hg	Br		
2-6-3	HOLDER	BL	BL	BL	BL	BL		Comply
2-6-4	HOLD PLT	BL	BL	BL	BL	BL		Comply
2-6-5	SUPPORT RUBBER	BL	BL	BL	BL	BL		Comply
2-6-6	FOREHEAD FRONT	BL	BL	BL	BL	N.A		Comply
*2-6-7	FOREHEAD RAIL	IN	BL	BL	BL	N.A	Pb : 3.0×10 ⁴ (Exemption : Annex III 6(c))	Comply
*2-6-8	SPRING T TYPE	BL	BL	IN	BL	N.A	Colormetric test : Negative	Comply
*2-6-9	PLUNGER	BL	BL	IN	BL	N.A	Colormetric test : Negative	Comply
*2-6-10	WASHER	BL	BL	IN	BL	N.A	Colormetric test : Negative	Comply
2-6-11	SCREW(SILVER)	BL	BL	BL	BL	N.A		Comply
*2-6-12	SCREW(BLACK)	BL	BL	IN	BL	N.A	Colormetric test : Negative	Comply
3	FRONT DECO TOP							
3-1	SCREEN COVER TOP	BL	BL	BL	BL	BL		Comply
3-2-1	POLDING SCREEN_MOLD	BL	BL	BL	BL	BL		Comply
3-2-2	FABRIC	BL	BL	BL	BL	BL		Comply
3-3	PLEAT HINGE COVER L/R	BL	BL	BL	BL	BL		Comply
3-4	HINGE FIXED BRACKET	BL	BL	BL	BL	BL		Comply
3-5	PLEAT HINGE BODY L/R	BL	BL	BL	BL	BL		Comply
3-6	HINGE FIXED PIN	BL	BL	BL	BL	BL		Comply
3-7	CATCH STEEL PLATE	BL	BL	BL	BL	N.A		Comply
*3-8	SCREW-1	BL	BL	IN	BL	N.A	Colormetric test : Negative	Comply
*3-9	SCREW-2	BL	BL	IN	BL	N.A	Colormetric test : Negative	Comply
3-10	SCREW-3	BL	BL	BL	BL	N.A		Comply
4	LED BOARD							
4-1-1	LED INSIDE BOARD_BOARD	BL	BL	BL	BL	N.A		Comply

OL: Over Limit / BL: below limit / IN : inconclusive / N.D: Not Detection / N.A: Not Applicable / * Chemical Test

No.	Sample Name	Results					Results of Chemical Testing(mg/kg) / Colormetric test (µg/cm ² or mg/kg)	Conclusion on ROHS
		Pb	Cd	Cr	Hg	Br		
4-1-2	CHIP LED DIODE(YELLOW)	BL	BL	BL	BL	BL		Comply
4-1-3-1	CONNECTOR_MOLD	BL	BL	BL	BL	BL		Comply
4-1-3-2	PIN	BL	BL	BL	BL	N.A		Comply
*4-1-4	CHIP RESISTOR	IN	BL	IN	BL	BL	Pb : 1.3×10 ³ (Exemption : Annex III 7(c)-I) Cr ⁶⁺ : N.D	Comply
4-1-5	SOLDER	BL	BL	BL	BL	N.A		Comply
4-2-1	LED CABLE INSULATION WIRE(RED)	BL	BL	BL	BL	BL		Comply
4-2-2	INSULATION WIRE(ORANGE)	BL	BL	BL	BL	BL		Comply
4-2-3	INSULATION WIRE(YELLOW)	BL	BL	BL	BL	BL		Comply
4-2-4	INSULATION WIRE(GREEN)	BL	BL	BL	BL	BL		Comply
4-2-5	INSULATION WIRE(BROWN)	BL	BL	BL	BL	BL		Comply
4-2-6	INSULATION WIRE(BLACK)	BL	BL	BL	BL	BL		Comply
4-2-7	INNER WIRE	BL	BL	BL	BL	N.A		Comply
*4-2-8	MOLD	BL	BL	BL	BL	IN	PBBs/PBDEs : N.D	Comply
4-2-9	PIN	BL	BL	BL	BL	N.A		Comply
4-3	SCREW	BL	BL	BL	BL	N.A		Comply
5	TERMINAL PLATE ASS'Y							
5-1	TERMINAL PLATE	BL	BL	BL	BL	N.A		Comply
5-2-1	SWITCH_BASE	BL	BL	BL	BL	BL		Comply
5-2-2	KNOB	BL	BL	BL	BL	BL		Comply
*5-2-3	CONTACT	BL	BL	IN	BL	N.A	Colormetric test : Negative	Comply
5-2-4	INNER METAL	BL	BL	BL	BL	N.A		Comply
5-2-5	SPRING	BL	BL	BL	BL	N.A		Comply
5-3-1	SUPPORT SCREW_MOLD	BL	BL	BL	BL	BL		Comply
5-3-2	SCREW	BL	BL	BL	BL	N.A		Comply
5-4	PP SCREW	BL	BL	BL	BL	BL		Comply

OL: Over Limit / BL: below limit / IN : inconclusive / N.D: Not Detection / N.A: Not Applicable / * Chemical Test

No.	Sample Name	Results					Results of Chemical Testing(mg/kg) / Colormetric test (µg/cm ² or mg/kg)	Conclusion on ROHS
		Pb	Cd	Cr	Hg	Br		
6	CAMERA ASS'Y							
6-1	CAMERA HOLDER	BL	BL	BL	BL	BL		Comply
6-2	CAMERA PL FILTER	BL	BL	BL	BL	BL		Comply
*6-3	BUSHING SCREW	IN	BL	BL	BL	N.A	Pb : 3.1×10 ⁴ (Exemption : Annex III 6(c))	Comply
6-4	CAMERA BRACKET	BL	BL	BL	BL	N.A		Comply
*6-5	CAMERA BRACKET HOLDER SCREW	BL	BL	IN	BL	N.A	Colormetric test : Negative	Comply
6-6	CAMERA BRACKET CLIP	BL	BL	BL	BL	N.A		Comply
*6-7	SPRING	BL	BL	IN	BL	N.A	Colormetric test : Negative	Comply
*6-8-1	CAMERA USB CABLE_ USB BUSHING	BL	BL	BL	BL	IN	PBBs/PBDEs : N.D	Comply
*6-8-2	BUSHING-1	BL	BL	BL	BL	IN	PBBs/PBDEs : N.D	Comply
6-8-3	BUSHING-2	BL	BL	BL	BL	BL		Comply
6-8-4	JACKET-1	BL	BL	BL	BL	BL		Comply
6-8-5	CORE	BL	BL	BL	BL	N.A		Comply
6-8-6	USB SHELL	BL	BL	BL	BL	N.A		Comply
6-8-7	SILICONE	BL	BL	BL	BL	BL		Comply
6-8-8	USB MOLD(WHITE)	BL	BL	BL	BL	BL		Comply
6-8-9	USB MOLD(BLACK)	BL	BL	BL	BL	BL		Comply
6-8-10	RESIN	BL	BL	BL	BL	BL		Comply
6-8-11	USB PIN-1	BL	BL	BL	BL	N.A		Comply
6-8-12	USB PIN-2	BL	BL	BL	BL	N.A		Comply
6-8-13	TAPE	BL	BL	BL	BL	BL		Comply
6-8-14	COPPER WIRE	BL	BL	BL	BL	N.A		Comply
6-8-15	JACKET-2	BL	BL	BL	BL	BL		Comply
6-8-16	AL FOIL	BL	BL	BL	BL	N.A		Comply
6-8-17	INNER WIRE-1	BL	BL	BL	BL	N.A		Comply

OL: Over Limit / BL: below limit / IN : inconclusive / N.D: Not Detection / N.A: Not Applicable / * Chemical Test

No.	Sample Name	Results					Results of Chemical Testing(mg/kg) / Colormetric test (μg/cm ² or mg/kg)	Conclusion on ROHS
		Pb	Cd	Cr	Hg	Br		
*6-8-18	SHIELD WIRE	BL	BL	IN	BL	N.A	Colormetric test : Negative	Comply
6-8-19	INNER WIRE-2	BL	BL	BL	BL	N.A		Comply
6-8-20	INSULATION WIRE(BLACK)	BL	BL	BL	BL	BL		Comply
6-8-21	INSULATION WIRE(RED)	BL	BL	BL	BL	BL		Comply
6-8-22	INSULATION WIRE(GREEN)	BL	BL	BL	BL	BL		Comply
6-8-23	INSULATION WIRE(WHITE)	BL	BL	BL	BL	BL		Comply
6-9	SPONGE	BL	BL	BL	BL	BL		Comply
6-10	SCREW-1	BL	BL	BL	BL	N.A		Comply
*6-11	SCREW-2	BL	BL	IN	BL	N.A	Colormetric test : Negative	Comply
6-12	SCREW-3	BL	BL	BL	BL	N.A		Comply
7	CONTROL BOARD							
7-1-1	CAPACITOR (C1~3,6,8,9,11~18,21~26,34)_AL CAN	BL	BL	BL	BL	N.A		Comply
7-1-2	RUBBER BAKE	BL	BL	BL	BL	BL		Comply
7-1-3	SEPARATOR	BL	BL	BL	BL	BL		Comply
7-1-4	BASE	BL	BL	BL	BL	BL		Comply
7-1-5	PIN	BL	BL	BL	BL	N.A		Comply
7-2	C-CHIP (C4,5,7,10,29,31,33,35~39)	BL	BL	BL	BL	BL		Comply
7-3	DIODE(D1~12,15~20,22~23)	BL	BL	BL	BL	BL		Comply
*7-4-1	HEADER(J30~32)_MOLD	BL	BL	BL	BL	IN	PBBs/PBDEs : N.D	Comply
7-4-2	PIN	BL	BL	BL	BL	N.A		Comply
7-5-1	PWR IN CONNECTOR(J6)_MOLD	BL	BL	BL	BL	BL		Comply
7-5-2	PIN	BL	BL	BL	BL	N.A		Comply
7-6-1	PWR IN CONNECTOR (J7,8,34,35)_MOLD	BL	BL	BL	BL	BL		Comply
7-6-2	PIN	BL	BL	BL	BL	N.A		Comply

OL: Over Limit / BL: below limit / IN : inconclusive / N.D: Not Detection / N.A: Not Applicable / * Chemical Test

No.	Sample Name	Results					Results of Chemical Testing(mg/kg) / Colormetric test ($\mu\text{g}/\text{cm}^2$ or mg/kg)	Conclusion on ROHS
		Pb	Cd	Cr	Hg	Br		
7-8-1	INDUCTOR(L1~11,14~19,21,22)_FERRITE CORE	BL	BL	BL	BL	N.A		Comply
7-8-2	INSULATION TAPE	BL	BL	BL	BL	BL		Comply
7-8-3	BOBBIN	BL	BL	BL	BL	BL		Comply
7-8-4	COIL	BL	BL	BL	BL	N.A		Comply
7-8-5	CONTACT PLATE	BL	BL	BL	BL	N.A		Comply
7-9	CHIP FERRITE BEAD(L23,24)	BL	BL	BL	BL	BL		Comply
*7-10	MOSFET(Q5,13)	IN	BL	BL	BL	BL	Pb : 5.5×10^3 (Exemption : Annex III 7(a)) (Exemption : Annex III 7(c)-I)	Comply
7-11	NPN BJT(Q10~12,14,15,17)	BL	BL	BL	BL	BL		Comply
*7-12	CHIP RESISTOR (R2~4,7~15,18,19,22~29,31~36,39~55)	IN	BL	IN	BL	BL	Pb : 1.3×10^3 (Exemption : Annex III 7(c)-I) Cr ⁶⁺ : N.D	Comply
7-13-1	SWITCH(SW7)_BUTTON	BL	BL	BL	BL	BL		Comply
7-13-2	DAMPER	BL	BL	BL	BL	N.A		Comply
7-13-3	DISC	BL	BL	BL	BL	N.A		Comply
7-13-4	MOLD BASE	BL	BL	BL	BL	BL		Comply
7-13-5	CONTACT	BL	BL	BL	BL	N.A		Comply
7-14	CAPACITOR(TC1~6)	BL	BL	BL	BL	BL		Comply
*7-15	IC(U1~3,24,25)	IN	BL	BL	BL	BL	Pb : 2.7×10^3 (Exemption : Annex III 7(c)-I)	Comply
7-16	IC(U4,5,8)	BL	BL	BL	BL	BL		Comply
7-17	LED DRIVER (U6,7,9~14,17~22)	BL	BL	BL	BL	BL		Comply
*7-18	DIODE(D2~12,15~20,23)	IN	BL	BL	BL	BL	Pb : 8.1×10^2 (Exemption : Annex III 7(a)) (Exemption : Annex III 7(c)-I)	Comply
*7-19	DIODE(D22)	IN	BL	BL	BL	BL	Pb : 1.3×10^2 (Exemption : Annex III 7(a)) (Exemption : Annex III 7(c)-I)	Comply
7-20	C-CHIP(C1,2,4~7)	BL	BL	BL	BL	BL		Comply
*7-21-1	CONNECTOR(ISP1)_MOLD	BL	BL	BL	BL	IN	PBBs/PBDEs : N.D	Comply
7-21-2	PIN	BL	BL	BL	BL	N.A		Comply
7-22-1	BUZZER(LS1)_CASE	BL	BL	BL	BL	BL		Comply

OL: Over Limit / BL: below limit / IN : inconclusive / N.D: Not Detection / N.A: Not Applicable / * Chemical Test

No.	Sample Name	Results					Results of Chemical Testing(mg/kg) / Colormetric test (μg/cm ² or mg/kg)	Conclusion on ROHS
		Pb	Cd	Cr	Hg	Br		
7-22-2	ELEMENT DISC	BL	BL	BL	BL	N.A		Comply
7-22-3	METAL PLATE	BL	BL	BL	BL	N.A		Comply
*7-23	R-CHIP(R1,2,4~7)	IN	BL	IN	BL	BL	Pb : 7.1×10 ² (Exemption : Annex III 7(c)-I) Cr ⁶⁺ : N.D	Comply
7-24-1	OSCILLATOR(Y1)_CASE	BL	BL	BL	BL	N.A		Comply
7-24-2	BASE	BL	BL	BL	BL	BL		Comply
7-25	DIODE(Q1) : FIRST SILICON	BL	BL	BL	BL	BL		Comply
7-26	SOLDER	BL	BL	BL	BL	N.A		Comply
7-27	PCB	BL	BL	BL	BL	N.A		Comply
8	USB HUB BOARD							
8-1	C-CHIP(C1~50)	BL	BL	BL	BL	BL		Comply
8-2-1	CAPACITOR(C51)_AL CAN	BL	BL	BL	BL	N.A		Comply
8-2-2	SEPARATOR	BL	BL	BL	BL	BL		Comply
8-2-3	RUBBER BAKE	BL	BL	BL	BL	BL		Comply
8-2-4	BASE	BL	BL	BL	BL	BL		Comply
8-2-5	PIN	BL	BL	BL	BL	N.A		Comply
*8-3	DIODE(D1)	IN	BL	BL	BL	BL	Pb : 1.0×10 ⁵ (Exemption : Annex III 7(a)) (Exemption : Annex III 7(c)-I)	Comply
*8-4	DIODE(D4)	IN	BL	BL	BL	BL	Pb : 1.3×10 ³ (Exemption : Annex III 7(c)-I)	Comply
8-5	CONNECTOR(J1~4)_SHELL	BL	BL	BL	BL	N.A		Comply
8-5-2	MOLD	BL	BL	BL	BL	BL		Comply
8-5-3	PIN	BL	BL	BL	BL	N.A		Comply
8-6-1	CONNECTOR(J1~4)_MOLD	BL	BL	BL	BL	BL		Comply
8-6-2	PIN	BL	BL	BL	BL	N.A		Comply
*8-7	R-CHIP(R1~14,16~40)	IN	BL	IN	BL	BL	Pb : 1.3×10 ³ (Exemption : Annex III 7(c)-I) Cr ⁶⁺ : N.D	Comply
*8-8-1	HEADER(SW1)_MOLD	BL	BL	BL	BL	IN	PBBs/PBDEs : N.D	Comply

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No.	Sample Name	Results					Results of Chemical Testing(mg/kg) / Colormetric test (μg/cm ² or mg/kg)	Conclusion on ROHS
		Pb	Cd	Cr	Hg	Br		
8-8-2	TERMINAL	BL	BL	BL	BL	N.A		Comply
8-9	CONTROLLER(U1)	BL	BL	BL	BL	BL		Comply
8-10	IC(U2)	BL	BL	BL	BL	BL		Comply
8-11	IC(U3)	BL	BL	BL	BL	BL		Comply
8-12	IC(U4)	BL	BL	BL	BL	BL		Comply
8-13	IC(U6)	BL	BL	BL	BL	BL		Comply
8-14	TVS ARRAY(U10,11)	BL	BL	BL	BL	BL		Comply
8-15	X-TAL(X1)	BL	BL	BL	BL	BL		Comply
8-16	BEAD(FB1,2)	BL	BL	BL	BL	BL		Comply
8-17	INDUCTOR(L1)	BL	BL	BL	BL	BL		Comply
*8-18	PCB	BL	BL	BL	BL	IN	PBBs/PBDEs : N.D	Comply
8-19	SOLDER	BL	BL	BL	BL	N.A		Comply
9	CABLES							
9-1	INSULATION WIRE(RED)	BL	BL	BL	BL	BL		Comply
9-2	INSULATION WIRE(ORANGE)	BL	BL	BL	BL	BL		Comply
9-3	INSULATION WIRE(YELLOW)	BL	BL	BL	BL	BL		Comply
9-4	INSULATION WIRE(GREEN)	BL	BL	BL	BL	BL		Comply
9-5	INSULATION WIRE(BROWN)	BL	BL	BL	BL	BL		Comply
9-6	INSULATION WIRE(BLACK)	BL	BL	BL	BL	BL		Comply
9-7	INNER WIRE	BL	BL	BL	BL	N.A		Comply
*9-8	MOLD	BL	BL	BL	BL	IN	PBBs/PBDEs : N.D	Comply
9-9	PIN	BL	BL	BL	BL	N.A		Comply
10	ACCESSORY							
10-1-1	METAL CASE	BL	BL	BL	BL	N.A		Comply

OL: Over Limit / BL: below limit / IN : inconclusive / N.D: Not Detection / N.A: Not Applicable / * Chemical Test

No.	Sample Name	Results					Results of Chemical Testing(mg/kg) / Colormetric test (μg/cm ² or mg/kg)	Conclusion on ROHS
		Pb	Cd	Cr	Hg	Br		
10-1-2	KEYRING	BL	BL	BL	BL	N.A		Comply
10-1-3	INNER MOLD	BL	BL	BL	BL	BL		Comply
10-1-4	CONTACT TERMINAL	BL	BL	BL	BL	N.A		Comply
10-2-1	USB_BUSHING	BL	BL	BL	BL	BL		Comply
10-2-2	USB SHELL	BL	BL	BL	BL	N.A		Comply
10-2-3	RESIN-1	BL	BL	BL	BL	BL		Comply
*10-2-4	USB MOLD(BLUE)	BL	BL	BL	BL	IN	PBBs/PBDEs : N.D	Comply
10-2-5	PIN-1	BL	BL	BL	BL	N.A		Comply
10-2-6	JACKET	BL	BL	BL	BL	BL		Comply
10-2-7	AL FOIL(SILVER)	BL	BL	BL	BL	BL		Comply
10-2-8	AL FOIL(SKY)	BL	BL	BL	BL	BL		Comply
10-2-9	SHEET(BLACK)	BL	BL	BL	BL	BL		Comply
10-2-10	COPPER WIRE	BL	BL	BL	BL	N.A		Comply
10-2-11	SHIELD WIRE	BL	BL	BL	BL	N.A		Comply
10-2-12	INSULATION WIRE(YELLOW)	BL	BL	BL	BL	BL		Comply
10-2-13	INUSULATION WIRE(SKY)	BL	BL	BL	BL	BL		Comply
10-2-14	INSULATION WIRE(ORANGE)	BL	BL	BL	BL	BL		Comply
10-2-15	INSULATION WIRE(PURPLE)	BL	BL	BL	BL	BL		Comply
10-2-16	INSULATION WIRE(BLACK)	BL	BL	BL	BL	BL		Comply
10-2-17	INSULATION WIRE(RED)	BL	BL	BL	BL	BL		Comply
10-2-18	INSULATION WIRE(GREEN)	BL	BL	BL	BL	BL		Comply
10-2-19	INSULATION WIRE(WHITE)	BL	BL	BL	BL	BL		Comply
10-2-20	WIRE	BL	BL	BL	BL	N.A		Comply
10-2-21	BUSHING	BL	BL	BL	BL	BL		Comply

OL: Over Limit / BL: below limit / IN : inconclusive / N.D: Not Detection / N.A: Not Applicable / * Chemical Test



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Report No.: CTK0206-RS-0003

No.	Sample Name	Results					Results of Chemical Testing(mg/kg) / Colormetric test (μg/cm ² or mg/kg)	Conclusion on ROHS
		Pb	Cd	Cr	Hg	Br		
10-2-22	SHELL	BL	BL	BL	BL	N.A		Comply
10-2-23	SOLDER	BL	BL	BL	BL	N.A		Comply
10-2-24	RESIN-2	BL	BL	BL	BL	BL		Comply
*10-2-25	MOLD(BLUE)	BL	BL	BL	BL	IN	PBBs/PBDEs : N.D	Comply
10-2-26	PIN-2	BL	BL	BL	BL	N.A		Comply
10-2-27	INNER MOLD(BLACK)	BL	BL	BL	BL	BL		Comply

OL: Over Limit / BL: below limit / IN : inconclusive / N.D: Not Detection / N.A: Not Applicable / * Chemical Test

1) Remark

a) If the results of EDXRF screening exceed the below warning value with reference to EN 62321-3-1, chemical testing is to be performed by ICP (Cd, Pb, Hg), UV-Vis (CrVI) and GC/MSD (PBBs, PBDEs).

Element	Polymer	Metal	Composite Materials
Cd	$X \leq 65$ (BL) $65 < X < 133$ (IN) $133 \leq X$ (OL)	$X \leq 65$ (BL) $65 < X < 133$ (IN) $133 \leq X$ (OL)	$X < \text{LOD}(5)$ (BL) $5 < X < 153$ (IN) $153 \leq X$ (OL)
Pb	$X \leq 695$ (BL) $695 < X < 1303$ (IN) $1303 \leq X$ (OL)	$X \leq 695$ (BL) $695 < X < 1303$ (IN) $1303 \leq X$ (OL)	$X \leq 495$ (BL) $495 < X < 1503$ (IN) $1503 \leq X$ (OL)
Hg	$X \leq 695$ (BL) $695 < X < 1303$ (IN) $1303 \leq X$ (OL)	$X \leq 695$ (BL) $695 < X < 1303$ (IN) $1303 \leq X$ (OL)	$X \leq 495$ (BL) $495 < X < 1503$ (IN) $1503 \leq X$ (OL)
Br	$X \leq 295$ (BL) $295 < X$ (IN)	-	$X \leq 245$ (BL) $245 < X$ (IN)
Cr	$X \leq 695$ (BL) $695 < X$ (IN)	$X \leq 695$ (BL) $695 < X$ (IN)	$X \leq 495$ (BL) $495 < X$ (IN)

b) OL: Over Limit / BL: below limit / IN: inconclusive

c) ED-XRF screening results of RoHS element may be different to the actual content in the sample of non-uniformity composition.

d) This product contains the following exemption item.

- Annex III 6(c) : Copper alloy containing up to 4 % lead by weight
- Annex III 7(a) : Lead in high melting temperature type solders
(i.e. lead- based alloys containing 85 % by weight or more lead)
- Annex III 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

5-1. Chemical Test Results : Pb, Cd, Cr⁶⁺, Hg, PBBs, PBDEs

1-4-2) BODY&AS COVER FOOT SCREW SCREW

Heavy Metals					
Test Items	Test Results	unit	D.L.	Limit	Test Methods
Pb	N.A	mg/kg	5.0	1 000	EN 62321-5 : 2014 _ICP-OES
Cd	N.A	mg/kg	0.5	100	EN 62321-5 : 2014 _ICP-OES
Hg	N.A	mg/kg	1.0	1 000	EN 62321-4 : 2014 _ICP-OES
Cr ⁶⁺	Negative	µg/cm ²	0.1	-	EN 62321-7-1 : 2015 _UV/Vis
Flame Retardants					
Test Items		Test Results (mg/kg)	D.L.	Limit	Test Method
PBB _s	Bromobiphenyl	N.A	5.0	1 000	EN 62321-6 : 2015 _GC/MS
	Dibromobiphenyl	N.A	5.0		
	Tribromobiphenyl	N.A	5.0		
	Tetrabromobiphenyl	N.A	5.0		
	Pentabromobiphenyl	N.A	5.0		
	Hexabromobiphenyl	N.A	5.0		
	Heptabromodiphenyl	N.A	5.0		
	Octabromobiphenyl	N.A	5.0		
	Nonabromobiphenyl	N.A	5.0		
	Decabromobiphenyl	N.A	5.0		
PBDE _s	Bromodiphenyl ether	N.A	5.0	1 000	
	Dibromodiphenyl ether	N.A	5.0		
	Tribromodiphenyl ether	N.A	5.0		
	Tetrabromodiphenyl ether	N.A	5.0		
	Pentabromodiphenyl ether	N.A	5.0		
	Hexabromodiphenyl ether	N.A	5.0		
	Heptabromodiphenyl ether	N.A	5.0		
	Octabromodiphenyl ether	N.A	5.0		
	Nonabromodiphenyl ether	N.A	5.0		
	Decabromodiphenyl ether	N.A	5.0		

1-6-6) BODY&AS COVER TOUCH OPENER SCREW(BLACK)

Heavy Metals					
Test Items	Test Results	unit	D.L.	Limit	Test Methods
Pb	N.A	mg/kg	5.0	1 000	EN 62321-5 : 2014 _ICP-OES
Cd	N.A	mg/kg	0.5	100	EN 62321-5 : 2014 _ICP-OES
Hg	N.A	mg/kg	1.0	1 000	EN 62321-4 : 2014 _ICP-OES
Cr ⁶⁺	Negative	µg/cm ²	0.1	-	EN 62321-7-1 : 2015 _UV/Vis
Flame Retardants					
Test Items		Test Results (mg/kg)	D.L.	Limit	Test Method
PBB _s	Bromobiphenyl	N.A	5.0	1 000	EN 62321-6 : 2015 _GC/MS
	Dibromobiphenyl	N.A	5.0		
	Tribromobiphenyl	N.A	5.0		
	Tetrabromobiphenyl	N.A	5.0		
	Pentabromobiphenyl	N.A	5.0		
	Hexabromobiphenyl	N.A	5.0		
	Heptabromodiphenyl	N.A	5.0		
	Octabromobiphenyl	N.A	5.0		
	Nonabromobiphenyl	N.A	5.0		
	Decabromobiphenyl	N.A	5.0		
PBDE _s	Bromodiphenyl ether	N.A	5.0	1 000	
	Dibromodiphenyl ether	N.A	5.0		
	Tribromodiphenyl ether	N.A	5.0		
	Tetrabromodiphenyl ether	N.A	5.0		
	Pentabromodiphenyl ether	N.A	5.0		
	Hexabromodiphenyl ether	N.A	5.0		
	Heptabromodiphenyl ether	N.A	5.0		
	Octabromodiphenyl ether	N.A	5.0		
	Nonabromodiphenyl ether	N.A	5.0		
	Decabromodiphenyl ether	N.A	5.0		

1-8-2) BODY&AS COVER HOLDER(GRAY)_NUT

Heavy Metals					
Test Items	Test Results	unit	D.L.	Limit	Test Methods
Pb	N.A	mg/kg	5.0	1 000	EN 62321-5 : 2014 _ICP-OES
Cd	N.A	mg/kg	0.5	100	EN 62321-5 : 2014 _ICP-OES
Hg	N.A	mg/kg	1.0	1 000	EN 62321-4 : 2014 _ICP-OES
Cr ⁶⁺	Negative	μg/cm ²	0.1	-	EN 62321-7-1 : 2015 _UV/Vis
Flame Retardants					
Test Items		Test Results (mg/kg)	D.L.	Limit	Test Method
PBB _s	Bromobiphenyl	N.A	5.0	1 000	EN 62321-6 : 2015 _GC/MS
	Dibromobiphenyl	N.A	5.0		
	Tribromobiphenyl	N.A	5.0		
	Tetrabromobiphenyl	N.A	5.0		
	Pentabromobiphenyl	N.A	5.0		
	Hexabromobiphenyl	N.A	5.0		
	Heptabromodiphenyl	N.A	5.0		
	Octabromobiphenyl	N.A	5.0		
	Nonabromobiphenyl	N.A	5.0		
	Decabromobiphenyl	N.A	5.0		
PBDE _s	Bromodiphenyl ether	N.A	5.0	1 000	
	Dibromodiphenyl ether	N.A	5.0		
	Tribromodiphenyl ether	N.A	5.0		
	Tetrabromodiphenyl ether	N.A	5.0		
	Pentabromodiphenyl ether	N.A	5.0		
	Hexabromodiphenyl ether	N.A	5.0		
	Heptabromodiphenyl ether	N.A	5.0		
	Octabromodiphenyl ether	N.A	5.0		
	Nonabromodiphenyl ether	N.A	5.0		
	Decabromodiphenyl ether	N.A	5.0		

1-9) BODY&AS COVER SCREW-1

Heavy Metals					
Test Items	Test Results	unit	D.L.	Limit	Test Methods
Pb	N.A	mg/kg	5.0	1 000	EN 62321-5 : 2014 _ICP-OES
Cd	N.A	mg/kg	0.5	100	EN 62321-5 : 2014 _ICP-OES
Hg	N.A	mg/kg	1.0	1 000	EN 62321-4 : 2014 _ICP-OES
Cr ⁶⁺	Negative	µg/cm ²	0.1	-	EN 62321-7-1 : 2015 _UV/Vis
Flame Retardants					
Test Items		Test Results (mg/kg)	D.L.	Limit	Test Method
PBB _s	Bromobiphenyl	N.A	5.0	1 000	EN 62321-6 : 2015 _GC/MS
	Dibromobiphenyl	N.A	5.0		
	Tribromobiphenyl	N.A	5.0		
	Tetrabromobiphenyl	N.A	5.0		
	Pentabromobiphenyl	N.A	5.0		
	Hexabromobiphenyl	N.A	5.0		
	Heptabromodiphenyl	N.A	5.0		
	Octabromobiphenyl	N.A	5.0		
	Nonabromobiphenyl	N.A	5.0		
	Decabromobiphenyl	N.A	5.0		
PBDE _s	Bromodiphenyl ether	N.A	5.0	1 000	
	Dibromodiphenyl ether	N.A	5.0		
	Tribromodiphenyl ether	N.A	5.0		
	Tetrabromodiphenyl ether	N.A	5.0		
	Pentabromodiphenyl ether	N.A	5.0		
	Hexabromodiphenyl ether	N.A	5.0		
	Heptabromodiphenyl ether	N.A	5.0		
	Octabromodiphenyl ether	N.A	5.0		
	Nonabromodiphenyl ether	N.A	5.0		
	Decabromodiphenyl ether	N.A	5.0		

1-10) BODY&AS COVER_SCREW-2

Heavy Metals					
Test Items	Test Results	unit	D.L.	Limit	Test Methods
Pb	N.A	mg/kg	5.0	1 000	EN 62321-5 : 2014 _ICP-OES
Cd	N.A	mg/kg	0.5	100	EN 62321-5 : 2014 _ICP-OES
Hg	N.A	mg/kg	1.0	1 000	EN 62321-4 : 2014 _ICP-OES
Cr ⁶⁺	Negative	µg/cm ²	0.1	-	EN 62321-7-1 : 2015 _UV/Vis
Flame Retardants					
Test Items		Test Results (mg/kg)	D.L.	Limit	Test Method
PBB _s	Bromobiphenyl	N.A	5.0	1 000	EN 62321-6 : 2015 _GC/MS
	Dibromobiphenyl	N.A	5.0		
	Tribromobiphenyl	N.A	5.0		
	Tetrabromobiphenyl	N.A	5.0		
	Pentabromobiphenyl	N.A	5.0		
	Hexabromobiphenyl	N.A	5.0		
	Heptabromodiphenyl	N.A	5.0		
	Octabromobiphenyl	N.A	5.0		
	Nonabromobiphenyl	N.A	5.0		
	Decabromobiphenyl	N.A	5.0		
PBDE _s	Bromodiphenyl ether	N.A	5.0	1 000	
	Dibromodiphenyl ether	N.A	5.0		
	Tribromodiphenyl ether	N.A	5.0		
	Tetrabromodiphenyl ether	N.A	5.0		
	Pentabromodiphenyl ether	N.A	5.0		
	Hexabromodiphenyl ether	N.A	5.0		
	Heptabromodiphenyl ether	N.A	5.0		
	Octabromodiphenyl ether	N.A	5.0		
	Nonabromodiphenyl ether	N.A	5.0		
	Decabromodiphenyl ether	N.A	5.0		

1-11) BODY&AS COVER _SCREW-3

Heavy Metals					
Test Items	Test Results	unit	D.L.	Limit	Test Methods
Pb	N.A	mg/kg	5.0	1 000	EN 62321-5 : 2014 _ICP-OES
Cd	N.A	mg/kg	0.5	100	EN 62321-5 : 2014 _ICP-OES
Hg	N.A	mg/kg	1.0	1 000	EN 62321-4 : 2014 _ICP-OES
Cr ⁶⁺	Negative	µg/cm ²	0.1	-	EN 62321-7-1 : 2015 _UV/Vis
Flame Retardants					
Test Items		Test Results (mg/kg)	D.L.	Limit	Test Method
PBB _s	Bromobiphenyl	N.A	5.0	1 000	EN 62321-6 : 2015 _GC/MS
	Dibromobiphenyl	N.A	5.0		
	Tribromobiphenyl	N.A	5.0		
	Tetrabromobiphenyl	N.A	5.0		
	Pentabromobiphenyl	N.A	5.0		
	Hexabromobiphenyl	N.A	5.0		
	Heptabromodiphenyl	N.A	5.0		
	Octabromobiphenyl	N.A	5.0		
	Nonabromobiphenyl	N.A	5.0		
	Decabromobiphenyl	N.A	5.0		
PBDE _s	Bromodiphenyl ether	N.A	5.0	1 000	
	Dibromodiphenyl ether	N.A	5.0		
	Tribromodiphenyl ether	N.A	5.0		
	Tetrabromodiphenyl ether	N.A	5.0		
	Pentabromodiphenyl ether	N.A	5.0		
	Hexabromodiphenyl ether	N.A	5.0		
	Heptabromodiphenyl ether	N.A	5.0		
	Octabromodiphenyl ether	N.A	5.0		
	Nonabromodiphenyl ether	N.A	5.0		
	Decabromodiphenyl ether	N.A	5.0		

2-2-2) INSIDE CASE HOLDER(WHITE)_NUT

Heavy Metals					
Test Items	Test Results	unit	D.L.	Limit	Test Methods
Pb	N.A	mg/kg	5.0	1 000	EN 62321-5 : 2014 _ICP-OES
Cd	N.A	mg/kg	0.5	100	EN 62321-5 : 2014 _ICP-OES
Hg	N.A	mg/kg	1.0	1 000	EN 62321-4 : 2014 _ICP-OES
Cr ⁶⁺	Negative	µg/cm ²	0.1	-	EN 62321-7-1 : 2015 _UV/Vis
Flame Retardants					
Test Items		Test Results (mg/kg)	D.L.	Limit	Test Method
PBB _s	Bromobiphenyl	N.A	5.0	1 000	EN 62321-6 : 2015 _GC/MS
	Dibromobiphenyl	N.A	5.0		
	Tribromobiphenyl	N.A	5.0		
	Tetrabromobiphenyl	N.A	5.0		
	Pentabromobiphenyl	N.A	5.0		
	Hexabromobiphenyl	N.A	5.0		
	Heptabromodiphenyl	N.A	5.0		
	Octabromobiphenyl	N.A	5.0		
	Nonabromobiphenyl	N.A	5.0		
	Decabromobiphenyl	N.A	5.0		
PBDE _s	Bromodiphenyl ether	N.A	5.0	1 000	
	Dibromodiphenyl ether	N.A	5.0		
	Tribromodiphenyl ether	N.A	5.0		
	Tetrabromodiphenyl ether	N.A	5.0		
	Pentabromodiphenyl ether	N.A	5.0		
	Hexabromodiphenyl ether	N.A	5.0		
	Heptabromodiphenyl ether	N.A	5.0		
	Octabromodiphenyl ether	N.A	5.0		
	Nonabromodiphenyl ether	N.A	5.0		
	Decabromodiphenyl ether	N.A	5.0		

2-3-2) INSIDE CASE HOLDER(YELLOW)_NUT

Heavy Metals					
Test Items	Test Results	unit	D.L.	Limit	Test Methods
Pb	N.A	mg/kg	5.0	1 000	EN 62321-5 : 2014 _ICP-OES
Cd	N.A	mg/kg	0.5	100	EN 62321-5 : 2014 _ICP-OES
Hg	N.A	mg/kg	1.0	1 000	EN 62321-4 : 2014 _ICP-OES
Cr ⁶⁺	Negative	µg/cm ²	0.1	-	EN 62321-7-1 : 2015 _UV/Vis
Flame Retardants					
Test Items		Test Results (mg/kg)	D.L.	Limit	Test Method
PBB _s	Bromobiphenyl	N.A	5.0	1 000	EN 62321-6 : 2015 _GC/MS
	Dibromobiphenyl	N.A	5.0		
	Tribromobiphenyl	N.A	5.0		
	Tetrabromobiphenyl	N.A	5.0		
	Pentabromobiphenyl	N.A	5.0		
	Hexabromobiphenyl	N.A	5.0		
	Heptabromodiphenyl	N.A	5.0		
	Octabromobiphenyl	N.A	5.0		
	Nonabromobiphenyl	N.A	5.0		
	Decabromobiphenyl	N.A	5.0		
PBDE _s	Bromodiphenyl ether	N.A	5.0	1 000	
	Dibromodiphenyl ether	N.A	5.0		
	Tribromodiphenyl ether	N.A	5.0		
	Tetrabromodiphenyl ether	N.A	5.0		
	Pentabromodiphenyl ether	N.A	5.0		
	Hexabromodiphenyl ether	N.A	5.0		
	Heptabromodiphenyl ether	N.A	5.0		
	Octabromodiphenyl ether	N.A	5.0		
	Nonabromodiphenyl ether	N.A	5.0		
	Decabromodiphenyl ether	N.A	5.0		

2-5-1-5) INSIDE CASE_FILTER BRACKET_SCREW

Heavy Metals					
Test Items	Test Results	unit	D.L.	Limit	Test Methods
Pb	N.A	mg/kg	5.0	1 000	EN 62321-5 : 2014 _ICP-OES
Cd	N.A	mg/kg	0.5	100	EN 62321-5 : 2014 _ICP-OES
Hg	N.A	mg/kg	1.0	1 000	EN 62321-4 : 2014 _ICP-OES
Cr ⁶⁺	Negative	µg/cm ²	0.1	-	EN 62321-7-1 : 2015 _UV/Vis
Flame Retardants					
Test Items		Test Results (mg/kg)	D.L.	Limit	Test Method
PBB _s	Bromobiphenyl	N.A	5.0	1 000	EN 62321-6 : 2015 _GC/MS
	Dibromobiphenyl	N.A	5.0		
	Tribromobiphenyl	N.A	5.0		
	Tetrabromobiphenyl	N.A	5.0		
	Pentabromobiphenyl	N.A	5.0		
	Hexabromobiphenyl	N.A	5.0		
	Heptabromodiphenyl	N.A	5.0		
	Octabromobiphenyl	N.A	5.0		
	Nonabromobiphenyl	N.A	5.0		
	Decabromobiphenyl	N.A	5.0		
PBDE _s	Bromodiphenyl ether	N.A	5.0	1 000	
	Dibromodiphenyl ether	N.A	5.0		
	Tribromodiphenyl ether	N.A	5.0		
	Tetrabromodiphenyl ether	N.A	5.0		
	Pentabromodiphenyl ether	N.A	5.0		
	Hexabromodiphenyl ether	N.A	5.0		
	Heptabromodiphenyl ether	N.A	5.0		
	Octabromodiphenyl ether	N.A	5.0		
	Nonabromodiphenyl ether	N.A	5.0		
	Decabromodiphenyl ether	N.A	5.0		

2-5-2-4) INSIDE CASE_FILTER BRACKET_LED OUTSIDE BOARD_CHIP RESISTOR

Heavy Metals					
Test Items	Test Results	unit	D.L.	Limit	Test Methods
Pb	1.1×10 ³	mg/kg	5.0	1 000	EN 62321-5 : 2014 _ICP-OES
Cd	N.A	mg/kg	0.5	100	EN 62321-5 : 2014 _ICP-OES
Hg	N.A	mg/kg	1.0	1 000	EN 62321-4 : 2014 _ICP-OES
Cr ⁶⁺	N.D	mg/kg	8.0	1 000	EN 62321-7-2 : 2017 _UV/Vis
Flame Retardants					
Test Items		Test Results (mg/kg)	D.L.	Limit	Test Method
PBB _s	Bromobiphenyl	N.A	5.0	1 000	EN 62321-6 : 2015 _GC/MS
	Dibromobiphenyl	N.A	5.0		
	Tribromobiphenyl	N.A	5.0		
	Tetrabromobiphenyl	N.A	5.0		
	Pentabromobiphenyl	N.A	5.0		
	Hexabromobiphenyl	N.A	5.0		
	Heptabromodiphenyl	N.A	5.0		
	Octabromobiphenyl	N.A	5.0		
	Nonabromobiphenyl	N.A	5.0		
	Decabromobiphenyl	N.A	5.0		
PBDE _s	Bromodiphenyl ether	N.A	5.0	1 000	
	Dibromodiphenyl ether	N.A	5.0		
	Tribromodiphenyl ether	N.A	5.0		
	Tetrabromodiphenyl ether	N.A	5.0		
	Pentabromodiphenyl ether	N.A	5.0		
	Hexabromodiphenyl ether	N.A	5.0		
	Heptabromodiphenyl ether	N.A	5.0		
	Octabromodiphenyl ether	N.A	5.0		
	Nonabromodiphenyl ether	N.A	5.0		
	Decabromodiphenyl ether	N.A	5.0		

Note) Exemption : Electrical and electronic components containing lead in a glass (2011/65/EU Annex III 7(c)-I)

2-6-7) INSIDE CASE FOREHEAD STAND FOREHEAD RAIL

Heavy Metals					
Test Items	Test Results	unit	D.L.	Limit	Test Methods
Pb	3.0×10 ⁴	mg/kg	5.0	1 000	EN 62321-5 : 2014 _ICP-OES
Cd	N.A	mg/kg	0.5	100	EN 62321-5 : 2014 _ICP-OES
Hg	N.A	mg/kg	1.0	1 000	EN 62321-4 : 2014 _ICP-OES
Cr ⁶⁺	N.A	μg/cm ²	0.1	-	EN 62321-7-1 : 2015 _UV/Vis
Flame Retardants					
Test Items		Test Results (mg/kg)	D.L.	Limit	Test Method
PBB _s	Bromobiphenyl	N.A	5.0	1 000	EN 62321-6 : 2015 _GC/MS
	Dibromobiphenyl	N.A	5.0		
	Tribromobiphenyl	N.A	5.0		
	Tetrabromobiphenyl	N.A	5.0		
	Pentabromobiphenyl	N.A	5.0		
	Hexabromobiphenyl	N.A	5.0		
	Heptabromodiphenyl	N.A	5.0		
	Octabromobiphenyl	N.A	5.0		
	Nonabromobiphenyl	N.A	5.0		
	Decabromobiphenyl	N.A	5.0		
PBDE _s	Bromodiphenyl ether	N.A	5.0	1 000	
	Dibromodiphenyl ether	N.A	5.0		
	Tribromodiphenyl ether	N.A	5.0		
	Tetrabromodiphenyl ether	N.A	5.0		
	Pentabromodiphenyl ether	N.A	5.0		
	Hexabromodiphenyl ether	N.A	5.0		
	Heptabromodiphenyl ether	N.A	5.0		
	Octabromodiphenyl ether	N.A	5.0		
	Nonabromodiphenyl ether	N.A	5.0		
	Decabromodiphenyl ether	N.A	5.0		

Note) Exemption : Copper alloy containing up to 4% lead by weight (2011/65/EU Annex III 6(c))

2-6-8) INSIDE CASE FOREHEAD STAND SPRING T TYPE

Heavy Metals					
Test Items	Test Results	unit	D.L.	Limit	Test Methods
Pb	N.A	mg/kg	5.0	1 000	EN 62321-5 : 2014 _ICP-OES
Cd	N.A	mg/kg	0.5	100	EN 62321-5 : 2014 _ICP-OES
Hg	N.A	mg/kg	1.0	1 000	EN 62321-4 : 2014 _ICP-OES
Cr ⁶⁺	Negative	µg/cm ²	0.1	-	EN 62321-7-1 : 2015 _UV/Vis
Flame Retardants					
Test Items		Test Results (mg/kg)	D.L.	Limit	Test Method
PBB _s	Bromobiphenyl	N.A	5.0	1 000	EN 62321-6 : 2015 _GC/MS
	Dibromobiphenyl	N.A	5.0		
	Tribromobiphenyl	N.A	5.0		
	Tetrabromobiphenyl	N.A	5.0		
	Pentabromobiphenyl	N.A	5.0		
	Hexabromobiphenyl	N.A	5.0		
	Heptabromodiphenyl	N.A	5.0		
	Octabromobiphenyl	N.A	5.0		
	Nonabromobiphenyl	N.A	5.0		
	Decabromobiphenyl	N.A	5.0		
PBDE _s	Bromodiphenyl ether	N.A	5.0	1 000	
	Dibromodiphenyl ether	N.A	5.0		
	Tribromodiphenyl ether	N.A	5.0		
	Tetrabromodiphenyl ether	N.A	5.0		
	Pentabromodiphenyl ether	N.A	5.0		
	Hexabromodiphenyl ether	N.A	5.0		
	Heptabromodiphenyl ether	N.A	5.0		
	Octabromodiphenyl ether	N.A	5.0		
	Nonabromodiphenyl ether	N.A	5.0		
	Decabromodiphenyl ether	N.A	5.0		

2-6-9) INSIDE CASE_FOREHEAD STAND_PLUNGER

Heavy Metals					
Test Items	Test Results	unit	D.L.	Limit	Test Methods
Pb	N.A	mg/kg	5.0	1 000	EN 62321-5 : 2014 _ICP-OES
Cd	N.A	mg/kg	0.5	100	EN 62321-5 : 2014 _ICP-OES
Hg	N.A	mg/kg	1.0	1 000	EN 62321-4 : 2014 _ICP-OES
Cr ⁶⁺	Negative	µg/cm ²	0.1	-	EN 62321-7-1 : 2015 _UV/Vis
Flame Retardants					
Test Items		Test Results (mg/kg)	D.L.	Limit	Test Method
PBB _s	Bromobiphenyl	N.A	5.0	1 000	EN 62321-6 : 2015 _GC/MS
	Dibromobiphenyl	N.A	5.0		
	Tribromobiphenyl	N.A	5.0		
	Tetrabromobiphenyl	N.A	5.0		
	Pentabromobiphenyl	N.A	5.0		
	Hexabromobiphenyl	N.A	5.0		
	Heptabromodiphenyl	N.A	5.0		
	Octabromobiphenyl	N.A	5.0		
	Nonabromobiphenyl	N.A	5.0		
	Decabromobiphenyl	N.A	5.0		
PBDE _s	Bromodiphenyl ether	N.A	5.0	1 000	
	Dibromodiphenyl ether	N.A	5.0		
	Tribromodiphenyl ether	N.A	5.0		
	Tetrabromodiphenyl ether	N.A	5.0		
	Pentabromodiphenyl ether	N.A	5.0		
	Hexabromodiphenyl ether	N.A	5.0		
	Heptabromodiphenyl ether	N.A	5.0		
	Octabromodiphenyl ether	N.A	5.0		
	Nonabromodiphenyl ether	N.A	5.0		
	Decabromodiphenyl ether	N.A	5.0		

2-6-10) INSIDE CASE_FOREHEAD STAND_WASHER

Heavy Metals					
Test Items	Test Results	unit	D.L.	Limit	Test Methods
Pb	N.A	mg/kg	5.0	1 000	EN 62321-5 : 2014 _ICP-OES
Cd	N.A	mg/kg	0.5	100	EN 62321-5 : 2014 _ICP-OES
Hg	N.A	mg/kg	1.0	1 000	EN 62321-4 : 2014 _ICP-OES
Cr ⁶⁺	Negative	µg/cm ²	0.1	-	EN 62321-7-1 : 2015 _UV/Vis
Flame Retardants					
Test Items		Test Results (mg/kg)	D.L.	Limit	Test Method
PBB _s	Bromobiphenyl	N.A	5.0	1 000	EN 62321-6 : 2015 _GC/MS
	Dibromobiphenyl	N.A	5.0		
	Tribromobiphenyl	N.A	5.0		
	Tetrabromobiphenyl	N.A	5.0		
	Pentabromobiphenyl	N.A	5.0		
	Hexabromobiphenyl	N.A	5.0		
	Heptabromodiphenyl	N.A	5.0		
	Octabromobiphenyl	N.A	5.0		
	Nonabromobiphenyl	N.A	5.0		
	Decabromobiphenyl	N.A	5.0		
PBDE _s	Bromodiphenyl ether	N.A	5.0	1 000	
	Dibromodiphenyl ether	N.A	5.0		
	Tribromodiphenyl ether	N.A	5.0		
	Tetrabromodiphenyl ether	N.A	5.0		
	Pentabromodiphenyl ether	N.A	5.0		
	Hexabromodiphenyl ether	N.A	5.0		
	Heptabromodiphenyl ether	N.A	5.0		
	Octabromodiphenyl ether	N.A	5.0		
	Nonabromodiphenyl ether	N.A	5.0		
	Decabromodiphenyl ether	N.A	5.0		

2-6-12) INSIDE CASE FOREHEAD STAND SCREW(BLACK)

Heavy Metals					
Test Items	Test Results	unit	D.L.	Limit	Test Methods
Pb	N.A	mg/kg	5.0	1 000	EN 62321-5 : 2014 _ICP-OES
Cd	N.A	mg/kg	0.5	100	EN 62321-5 : 2014 _ICP-OES
Hg	N.A	mg/kg	1.0	1 000	EN 62321-4 : 2014 _ICP-OES
Cr ⁶⁺	Negative	µg/cm ²	0.1	-	EN 62321-7-1 : 2015 _UV/Vis
Flame Retardants					
Test Items		Test Results (mg/kg)	D.L.	Limit	Test Method
PBB _s	Bromobiphenyl	N.A	5.0	1 000	EN 62321-6 : 2015 _GC/MS
	Dibromobiphenyl	N.A	5.0		
	Tribromobiphenyl	N.A	5.0		
	Tetrabromobiphenyl	N.A	5.0		
	Pentabromobiphenyl	N.A	5.0		
	Hexabromobiphenyl	N.A	5.0		
	Heptabromodiphenyl	N.A	5.0		
	Octabromobiphenyl	N.A	5.0		
	Nonabromobiphenyl	N.A	5.0		
	Decabromobiphenyl	N.A	5.0		
PBDE _s	Bromodiphenyl ether	N.A	5.0	1 000	
	Dibromodiphenyl ether	N.A	5.0		
	Tribromodiphenyl ether	N.A	5.0		
	Tetrabromodiphenyl ether	N.A	5.0		
	Pentabromodiphenyl ether	N.A	5.0		
	Hexabromodiphenyl ether	N.A	5.0		
	Heptabromodiphenyl ether	N.A	5.0		
	Octabromodiphenyl ether	N.A	5.0		
	Nonabromodiphenyl ether	N.A	5.0		
	Decabromodiphenyl ether	N.A	5.0		

3-8) FRONT DECO TOP SCREW-1

Heavy Metals					
Test Items	Test Results	unit	D.L.	Limit	Test Methods
Pb	N.A	mg/kg	5.0	1 000	EN 62321-5 : 2014 _ICP-OES
Cd	N.A	mg/kg	0.5	100	EN 62321-5 : 2014 _ICP-OES
Hg	N.A	mg/kg	1.0	1 000	EN 62321-4 : 2014 _ICP-OES
Cr ⁶⁺	Negative	µg/cm ²	0.1	-	EN 62321-7-1 : 2015 _UV/Vis
Flame Retardants					
Test Items		Test Results (mg/kg)	D.L.	Limit	Test Method
PBB _s	Bromobiphenyl	N.A	5.0	1 000	EN 62321-6 : 2015 _GC/MS
	Dibromobiphenyl	N.A	5.0		
	Tribromobiphenyl	N.A	5.0		
	Tetrabromobiphenyl	N.A	5.0		
	Pentabromobiphenyl	N.A	5.0		
	Hexabromobiphenyl	N.A	5.0		
	Heptabromodiphenyl	N.A	5.0		
	Octabromobiphenyl	N.A	5.0		
	Nonabromobiphenyl	N.A	5.0		
	Decabromobiphenyl	N.A	5.0		
PBDE _s	Bromodiphenyl ether	N.A	5.0	1 000	
	Dibromodiphenyl ether	N.A	5.0		
	Tribromodiphenyl ether	N.A	5.0		
	Tetrabromodiphenyl ether	N.A	5.0		
	Pentabromodiphenyl ether	N.A	5.0		
	Hexabromodiphenyl ether	N.A	5.0		
	Heptabromodiphenyl ether	N.A	5.0		
	Octabromodiphenyl ether	N.A	5.0		
	Nonabromodiphenyl ether	N.A	5.0		
	Decabromodiphenyl ether	N.A	5.0		

3-9) FRONT DECO TOP_SCREW-2

Heavy Metals					
Test Items	Test Results	unit	D.L.	Limit	Test Methods
Pb	N.A	mg/kg	5.0	1 000	EN 62321-5 : 2014 _ICP-OES
Cd	N.A	mg/kg	0.5	100	EN 62321-5 : 2014 _ICP-OES
Hg	N.A	mg/kg	1.0	1 000	EN 62321-4 : 2014 _ICP-OES
Cr ⁶⁺	Negative	µg/cm ²	0.1	-	EN 62321-7-1 : 2015 _UV/Vis
Flame Retardants					
Test Items		Test Results (mg/kg)	D.L.	Limit	Test Method
PBB _s	Bromobiphenyl	N.A	5.0	1 000	EN 62321-6 : 2015 _GC/MS
	Dibromobiphenyl	N.A	5.0		
	Tribromobiphenyl	N.A	5.0		
	Tetrabromobiphenyl	N.A	5.0		
	Pentabromobiphenyl	N.A	5.0		
	Hexabromobiphenyl	N.A	5.0		
	Heptabromodiphenyl	N.A	5.0		
	Octabromobiphenyl	N.A	5.0		
	Nonabromobiphenyl	N.A	5.0		
	Decabromobiphenyl	N.A	5.0		
PBDE _s	Bromodiphenyl ether	N.A	5.0	1 000	
	Dibromodiphenyl ether	N.A	5.0		
	Tribromodiphenyl ether	N.A	5.0		
	Tetrabromodiphenyl ether	N.A	5.0		
	Pentabromodiphenyl ether	N.A	5.0		
	Hexabromodiphenyl ether	N.A	5.0		
	Heptabromodiphenyl ether	N.A	5.0		
	Octabromodiphenyl ether	N.A	5.0		
	Nonabromodiphenyl ether	N.A	5.0		
	Decabromodiphenyl ether	N.A	5.0		

4-1-4) LED BOARD_LED INSIDE BOARD_CHIP RESISTOR

Heavy Metals					
Test Items	Test Results	unit	D.L.	Limit	Test Methods
Pb	1.3×10 ³	mg/kg	5.0	1 000	EN 62321-5 : 2014 _ICP-OES
Cd	N.A	mg/kg	0.5	100	EN 62321-5 : 2014 _ICP-OES
Hg	N.A	mg/kg	1.0	1 000	EN 62321-4 : 2014 _ICP-OES
Cr ⁶⁺	N.D	mg/kg	8.0	1 000	EN 62321-7-2 : 2017 _UV/Vis
Flame Retardants					
Test Items		Test Results (mg/kg)	D.L.	Limit	Test Method
PBB _s	Bromobiphenyl	N.A	5.0	1 000	EN 62321-6 : 2015 _GC/MS
	Dibromobiphenyl	N.A	5.0		
	Tribromobiphenyl	N.A	5.0		
	Tetrabromobiphenyl	N.A	5.0		
	Pentabromobiphenyl	N.A	5.0		
	Hexabromobiphenyl	N.A	5.0		
	Heptabromodiphenyl	N.A	5.0		
	Octabromobiphenyl	N.A	5.0		
	Nonabromobiphenyl	N.A	5.0		
	Decabromobiphenyl	N.A	5.0		
PBDE _s	Bromodiphenyl ether	N.A	5.0	1 000	
	Dibromodiphenyl ether	N.A	5.0		
	Tribromodiphenyl ether	N.A	5.0		
	Tetrabromodiphenyl ether	N.A	5.0		
	Pentabromodiphenyl ether	N.A	5.0		
	Hexabromodiphenyl ether	N.A	5.0		
	Heptabromodiphenyl ether	N.A	5.0		
	Octabromodiphenyl ether	N.A	5.0		
	Nonabromodiphenyl ether	N.A	5.0		
	Decabromodiphenyl ether	N.A	5.0		

Note) Exemption : Electrical and electronic components containing lead in a glass (2011/65/EU Annex III 7(c)-I)

4-2-8) LED BOARD_LED CABLE_MOLD

Heavy Metals					
Test Items	Test Results	unit	D.L.	Limit	Test Methods
Pb	N.A	mg/kg	5.0	1 000	EN 62321-5 : 2014 _ICP-OES
Cd	N.A	mg/kg	0.5	100	EN 62321-5 : 2014 _ICP-OES
Hg	N.A	mg/kg	1.0	1 000	EN 62321-4 : 2014 _ICP-OES
Flame Retardants					
Test Items		Test Results (mg/kg)	D.L.	Limit	Test Method
PBB _s	Bromobiphenyl	N.D	5.0	1 000	EN 62321-6 : 2015 _GC/MS
	Dibromobiphenyl	N.D	5.0		
	Tribromobiphenyl	N.D	5.0		
	Tetrabromobiphenyl	N.D	5.0		
	Pentabromobiphenyl	N.D	5.0		
	Hexabromobiphenyl	N.D	5.0		
	Heptabromodiphenyl	N.D	5.0		
	Octabromobiphenyl	N.D	5.0		
	Nonabromobiphenyl	N.D	5.0		
	Decabromobiphenyl	N.D	5.0		
PBDE _s	Bromodiphenyl ether	N.D	5.0	1 000	
	Dibromodiphenyl ether	N.D	5.0		
	Tribromodiphenyl ether	N.D	5.0		
	Tetrabromodiphenyl ether	N.D	5.0		
	Pentabromodiphenyl ether	N.D	5.0		
	Hexabromodiphenyl ether	N.D	5.0		
	Heptabromodiphenyl ether	N.D	5.0		
	Octabromodiphenyl ether	N.D	5.0		
	Nonabromodiphenyl ether	N.D	5.0		
	Decabromodiphenyl ether	N.D	5.0		

5-2-3) TERMINAL PLATE ASS'Y_SWITCH_CONTACT

Heavy Metals					
Test Items	Test Results	unit	D.L.	Limit	Test Methods
Pb	N.A	mg/kg	5.0	1 000	EN 62321-5 : 2014 _ICP-OES
Cd	N.A	mg/kg	0.5	100	EN 62321-5 : 2014 _ICP-OES
Hg	N.A	mg/kg	1.0	1 000	EN 62321-4 : 2014 _ICP-OES
Cr ⁶⁺	Negative	µg/cm ²	0.1	-	EN 62321-7-1 : 2015 _UV/Vis
Flame Retardants					
Test Items		Test Results (mg/kg)	D.L.	Limit	Test Method
PBB _s	Bromobiphenyl	N.A	5.0	1 000	EN 62321-6 : 2015 _GC/MS
	Dibromobiphenyl	N.A	5.0		
	Tribromobiphenyl	N.A	5.0		
	Tetrabromobiphenyl	N.A	5.0		
	Pentabromobiphenyl	N.A	5.0		
	Hexabromobiphenyl	N.A	5.0		
	Heptabromodiphenyl	N.A	5.0		
	Octabromobiphenyl	N.A	5.0		
	Nonabromobiphenyl	N.A	5.0		
	Decabromobiphenyl	N.A	5.0		
PBDE _s	Bromodiphenyl ether	N.A	5.0	1 000	
	Dibromodiphenyl ether	N.A	5.0		
	Tribromodiphenyl ether	N.A	5.0		
	Tetrabromodiphenyl ether	N.A	5.0		
	Pentabromodiphenyl ether	N.A	5.0		
	Hexabromodiphenyl ether	N.A	5.0		
	Heptabromodiphenyl ether	N.A	5.0		
	Octabromodiphenyl ether	N.A	5.0		
	Nonabromodiphenyl ether	N.A	5.0		
	Decabromodiphenyl ether	N.A	5.0		

6-3) CAMERA ASS'Y_BUSHING SCREW

Heavy Metals					
Test Items	Test Results	unit	D.L.	Limit	Test Methods
Pb	3.1×10 ⁴	mg/kg	5.0	1 000	EN 62321-5 : 2014 _ICP-OES
Cd	N.A	mg/kg	0.5	100	EN 62321-5 : 2014 _ICP-OES
Hg	N.A	mg/kg	1.0	1 000	EN 62321-4 : 2014 _ICP-OES
Cr ⁶⁺	N.A	μg/cm ²	0.1	-	EN 62321-7-1 : 2015 _UV/Vis
Flame Retardants					
Test Items		Test Results (mg/kg)	D.L.	Limit	Test Method
PBB _s	Bromobiphenyl	N.A	5.0	1 000	EN 62321-6 : 2015 _GC/MS
	Dibromobiphenyl	N.A	5.0		
	Tribromobiphenyl	N.A	5.0		
	Tetrabromobiphenyl	N.A	5.0		
	Pentabromobiphenyl	N.A	5.0		
	Hexabromobiphenyl	N.A	5.0		
	Heptabromodiphenyl	N.A	5.0		
	Octabromobiphenyl	N.A	5.0		
	Nonabromobiphenyl	N.A	5.0		
	Decabromobiphenyl	N.A	5.0		
PBDE _s	Bromodiphenyl ether	N.A	5.0	1 000	
	Dibromodiphenyl ether	N.A	5.0		
	Tribromodiphenyl ether	N.A	5.0		
	Tetrabromodiphenyl ether	N.A	5.0		
	Pentabromodiphenyl ether	N.A	5.0		
	Hexabromodiphenyl ether	N.A	5.0		
	Heptabromodiphenyl ether	N.A	5.0		
	Octabromodiphenyl ether	N.A	5.0		
	Nonabromodiphenyl ether	N.A	5.0		
	Decabromodiphenyl ether	N.A	5.0		

Note) Exemption : Copper alloy containing up to 4% lead by weight (2011/65/EU Annex III 6(c))

6-5) CAMERA ASS'Y CAMERA BRACKET HOLDER SCREW

Heavy Metals					
Test Items	Test Results	unit	D.L.	Limit	Test Methods
Pb	N.A	mg/kg	5.0	1 000	EN 62321-5 : 2014 _ICP-OES
Cd	N.A	mg/kg	0.5	100	EN 62321-5 : 2014 _ICP-OES
Hg	N.A	mg/kg	1.0	1 000	EN 62321-4 : 2014 _ICP-OES
Cr ⁶⁺	Negative	μg/cm ²	0.1	-	EN 62321-7-1 : 2015 _UV/Vis
Flame Retardants					
Test Items		Test Results (mg/kg)	D.L.	Limit	Test Method
PBB _s	Bromobiphenyl	N.A	5.0	1 000	EN 62321-6 : 2015 _GC/MS
	Dibromobiphenyl	N.A	5.0		
	Tribromobiphenyl	N.A	5.0		
	Tetrabromobiphenyl	N.A	5.0		
	Pentabromobiphenyl	N.A	5.0		
	Hexabromobiphenyl	N.A	5.0		
	Heptabromodiphenyl	N.A	5.0		
	Octabromobiphenyl	N.A	5.0		
	Nonabromobiphenyl	N.A	5.0		
	Decabromobiphenyl	N.A	5.0		
PBDE _s	Bromodiphenyl ether	N.A	5.0	1 000	
	Dibromodiphenyl ether	N.A	5.0		
	Tribromodiphenyl ether	N.A	5.0		
	Tetrabromodiphenyl ether	N.A	5.0		
	Pentabromodiphenyl ether	N.A	5.0		
	Hexabromodiphenyl ether	N.A	5.0		
	Heptabromodiphenyl ether	N.A	5.0		
	Octabromodiphenyl ether	N.A	5.0		
	Nonabromodiphenyl ether	N.A	5.0		
	Decabromodiphenyl ether	N.A	5.0		

6-7) CAMERA ASS'Y_SPRING

Heavy Metals					
Test Items	Test Results	unit	D.L.	Limit	Test Methods
Pb	N.A	mg/kg	5.0	1 000	EN 62321-5 : 2014 _ICP-OES
Cd	N.A	mg/kg	0.5	100	EN 62321-5 : 2014 _ICP-OES
Hg	N.A	mg/kg	1.0	1 000	EN 62321-4 : 2014 _ICP-OES
Cr ⁶⁺	Negative	µg/cm ²	0.1	-	EN 62321-7-1 : 2015 _UV/Vis
Flame Retardants					
Test Items		Test Results (mg/kg)	D.L.	Limit	Test Method
PBB _s	Bromobiphenyl	N.A	5.0	1 000	EN 62321-6 : 2015 _GC/MS
	Dibromobiphenyl	N.A	5.0		
	Tribromobiphenyl	N.A	5.0		
	Tetrabromobiphenyl	N.A	5.0		
	Pentabromobiphenyl	N.A	5.0		
	Hexabromobiphenyl	N.A	5.0		
	Heptabromodiphenyl	N.A	5.0		
	Octabromobiphenyl	N.A	5.0		
	Nonabromobiphenyl	N.A	5.0		
	Decabromobiphenyl	N.A	5.0		
PBDE _s	Bromodiphenyl ether	N.A	5.0	1 000	
	Dibromodiphenyl ether	N.A	5.0		
	Tribromodiphenyl ether	N.A	5.0		
	Tetrabromodiphenyl ether	N.A	5.0		
	Pentabromodiphenyl ether	N.A	5.0		
	Hexabromodiphenyl ether	N.A	5.0		
	Heptabromodiphenyl ether	N.A	5.0		
	Octabromodiphenyl ether	N.A	5.0		
	Nonabromodiphenyl ether	N.A	5.0		
	Decabromodiphenyl ether	N.A	5.0		

6-8-1) CAMERA ASS'Y CAMERA USB CABLE USB BUSHING

Heavy Metals					
Test Items	Test Results	unit	D.L.	Limit	Test Methods
Pb	N.A	mg/kg	5.0	1 000	EN 62321-5 : 2014 _ICP-OES
Cd	N.A	mg/kg	0.5	100	EN 62321-5 : 2014 _ICP-OES
Hg	N.A	mg/kg	1.0	1 000	EN 62321-4 : 2014 _ICP-OES
Flame Retardants					
Test Items		Test Results (mg/kg)	D.L.	Limit	Test Method
PBB _s	Bromobiphenyl	N.D	5.0	1 000	EN 62321-6 : 2015 _GC/MS
	Dibromobiphenyl	N.D	5.0		
	Tribromobiphenyl	N.D	5.0		
	Tetrabromobiphenyl	N.D	5.0		
	Pentabromobiphenyl	N.D	5.0		
	Hexabromobiphenyl	N.D	5.0		
	Heptabromodiphenyl	N.D	5.0		
	Octabromobiphenyl	N.D	5.0		
	Nonabromobiphenyl	N.D	5.0		
	Decabromobiphenyl	N.D	5.0		
PBDE _s	Bromodiphenyl ether	N.D	5.0	1 000	
	Dibromodiphenyl ether	N.D	5.0		
	Tribromodiphenyl ether	N.D	5.0		
	Tetrabromodiphenyl ether	N.D	5.0		
	Pentabromodiphenyl ether	N.D	5.0		
	Hexabromodiphenyl ether	N.D	5.0		
	Heptabromodiphenyl ether	N.D	5.0		
	Octabromodiphenyl ether	N.D	5.0		
	Nonabromodiphenyl ether	N.D	5.0		
	Decabromodiphenyl ether	N.D	5.0		

6-8-2) CAMERA ASS'Y CAMERA USB CABLE BUSHING-1

Heavy Metals					
Test Items	Test Results	unit	D.L.	Limit	Test Methods
Pb	N.A	mg/kg	5.0	1 000	EN 62321-5 : 2014 _ICP-OES
Cd	N.A	mg/kg	0.5	100	EN 62321-5 : 2014 _ICP-OES
Hg	N.A	mg/kg	1.0	1 000	EN 62321-4 : 2014 _ICP-OES
Flame Retardants					
Test Items		Test Results (mg/kg)	D.L.	Limit	Test Method
PBB _s	Bromobiphenyl	N.D	5.0	1 000	EN 62321-6 : 2015 _GC/MS
	Dibromobiphenyl	N.D	5.0		
	Tribromobiphenyl	N.D	5.0		
	Tetrabromobiphenyl	N.D	5.0		
	Pentabromobiphenyl	N.D	5.0		
	Hexabromobiphenyl	N.D	5.0		
	Heptabromodiphenyl	N.D	5.0		
	Octabromobiphenyl	N.D	5.0		
	Nonabromobiphenyl	N.D	5.0		
	Decabromobiphenyl	N.D	5.0		
PBDE _s	Bromodiphenyl ether	N.D	5.0	1 000	
	Dibromodiphenyl ether	N.D	5.0		
	Tribromodiphenyl ether	N.D	5.0		
	Tetrabromodiphenyl ether	N.D	5.0		
	Pentabromodiphenyl ether	N.D	5.0		
	Hexabromodiphenyl ether	N.D	5.0		
	Heptabromodiphenyl ether	N.D	5.0		
	Octabromodiphenyl ether	N.D	5.0		
	Nonabromodiphenyl ether	N.D	5.0		
	Decabromodiphenyl ether	N.D	5.0		

6-8-18) CAMERA ASS'Y CAMERA USB CABLE SHIELD WIRE

Heavy Metals					
Test Items	Test Results	unit	D.L.	Limit	Test Methods
Pb	N.A	mg/kg	5.0	1 000	EN 62321-5 : 2014 _ICP-OES
Cd	N.A	mg/kg	0.5	100	EN 62321-5 : 2014 _ICP-OES
Hg	N.A	mg/kg	1.0	1 000	EN 62321-4 : 2014 _ICP-OES
Cr ⁶⁺	Negative	µg/cm ²	0.1	-	EN 62321-7-1 : 2015 _UV/Vis
Flame Retardants					
Test Items		Test Results (mg/kg)	D.L.	Limit	Test Method
PBB _s	Bromobiphenyl	N.A	5.0	1 000	EN 62321-6 : 2015 _GC/MS
	Dibromobiphenyl	N.A	5.0		
	Tribromobiphenyl	N.A	5.0		
	Tetrabromobiphenyl	N.A	5.0		
	Pentabromobiphenyl	N.A	5.0		
	Hexabromobiphenyl	N.A	5.0		
	Heptabromodiphenyl	N.A	5.0		
	Octabromobiphenyl	N.A	5.0		
	Nonabromobiphenyl	N.A	5.0		
	Decabromobiphenyl	N.A	5.0		
PBDE _s	Bromodiphenyl ether	N.A	5.0	1 000	
	Dibromodiphenyl ether	N.A	5.0		
	Tribromodiphenyl ether	N.A	5.0		
	Tetrabromodiphenyl ether	N.A	5.0		
	Pentabromodiphenyl ether	N.A	5.0		
	Hexabromodiphenyl ether	N.A	5.0		
	Heptabromodiphenyl ether	N.A	5.0		
	Octabromodiphenyl ether	N.A	5.0		
	Nonabromodiphenyl ether	N.A	5.0		
	Decabromodiphenyl ether	N.A	5.0		

6-11) CAMERA ASS'Y SCREW-2

Heavy Metals					
Test Items	Test Results	unit	D.L.	Limit	Test Methods
Pb	N.A	mg/kg	5.0	1 000	EN 62321-5 : 2014 _ICP-OES
Cd	N.A	mg/kg	0.5	100	EN 62321-5 : 2014 _ICP-OES
Hg	N.A	mg/kg	1.0	1 000	EN 62321-4 : 2014 _ICP-OES
Cr ⁶⁺	Negative	µg/cm ²	0.1	-	EN 62321-7-1 : 2015 _UV/Vis
Flame Retardants					
Test Items		Test Results (mg/kg)	D.L.	Limit	Test Method
PBB _s	Bromobiphenyl	N.A	5.0	1 000	EN 62321-6 : 2015 _GC/MS
	Dibromobiphenyl	N.A	5.0		
	Tribromobiphenyl	N.A	5.0		
	Tetrabromobiphenyl	N.A	5.0		
	Pentabromobiphenyl	N.A	5.0		
	Hexabromobiphenyl	N.A	5.0		
	Heptabromodiphenyl	N.A	5.0		
	Octabromobiphenyl	N.A	5.0		
	Nonabromobiphenyl	N.A	5.0		
	Decabromobiphenyl	N.A	5.0		
PBDE _s	Bromodiphenyl ether	N.A	5.0	1 000	
	Dibromodiphenyl ether	N.A	5.0		
	Tribromodiphenyl ether	N.A	5.0		
	Tetrabromodiphenyl ether	N.A	5.0		
	Pentabromodiphenyl ether	N.A	5.0		
	Hexabromodiphenyl ether	N.A	5.0		
	Heptabromodiphenyl ether	N.A	5.0		
	Octabromodiphenyl ether	N.A	5.0		
	Nonabromodiphenyl ether	N.A	5.0		
	Decabromodiphenyl ether	N.A	5.0		

7-4-1) CONTROL BOARD_HEADER(J30~32)_MOLD

Heavy Metals					
Test Items	Test Results	unit	D.L.	Limit	Test Methods
Pb	N.A	mg/kg	5.0	1 000	EN 62321-5 : 2014 _ICP-OES
Cd	N.A	mg/kg	0.5	100	EN 62321-5 : 2014 _ICP-OES
Hg	N.A	mg/kg	1.0	1 000	EN 62321-4 : 2014 _ICP-OES
Flame Retardants					
Test Items		Test Results (mg/kg)	D.L.	Limit	Test Method
PBB _s	Bromobiphenyl	N.D	5.0	1 000	EN 62321-6 : 2015 _GC/MS
	Dibromobiphenyl	N.D	5.0		
	Tribromobiphenyl	N.D	5.0		
	Tetrabromobiphenyl	N.D	5.0		
	Pentabromobiphenyl	N.D	5.0		
	Hexabromobiphenyl	N.D	5.0		
	Heptabromodiphenyl	N.D	5.0		
	Octabromobiphenyl	N.D	5.0		
	Nonabromobiphenyl	N.D	5.0		
	Decabromobiphenyl	N.D	5.0		
PBDE _s	Bromodiphenyl ether	N.D	5.0	1 000	
	Dibromodiphenyl ether	N.D	5.0		
	Tribromodiphenyl ether	N.D	5.0		
	Tetrabromodiphenyl ether	N.D	5.0		
	Pentabromodiphenyl ether	N.D	5.0		
	Hexabromodiphenyl ether	N.D	5.0		
	Heptabromodiphenyl ether	N.D	5.0		
	Octabromodiphenyl ether	N.D	5.0		
	Nonabromodiphenyl ether	N.D	5.0		
	Decabromodiphenyl ether	N.D	5.0		

7-10) CONTROL BOARD_MOSFET(Q5,13,16)

Heavy Metals					
Test Items	Test Results	unit	D.L.	Limit	Test Methods
Pb	5.5×10 ³	mg/kg	5.0	1 000	EN 62321-5 : 2014 _ICP-OES
Cd	N.A	mg/kg	0.5	100	EN 62321-5 : 2014 _ICP-OES
Hg	N.A	mg/kg	1.0	1 000	EN 62321-4 : 2014 _ICP-OES
Flame Retardants					
Test Items		Test Results (mg/kg)	D.L.	Limit	Test Method
PBB _s	Bromobiphenyl	N.A	5.0	1 000	EN 62321-6 : 2015 _GC/MS
	Dibromobiphenyl	N.A	5.0		
	Tribromobiphenyl	N.A	5.0		
	Tetrabromobiphenyl	N.A	5.0		
	Pentabromobiphenyl	N.A	5.0		
	Hexabromobiphenyl	N.A	5.0		
	Heptabromodiphenyl	N.A	5.0		
	Octabromobiphenyl	N.A	5.0		
	Nonabromobiphenyl	N.A	5.0		
	Decabromobiphenyl	N.A	5.0		
PBDE _s	Bromodiphenyl ether	N.A	5.0	1 000	
	Dibromodiphenyl ether	N.A	5.0		
	Tribromodiphenyl ether	N.A	5.0		
	Tetrabromodiphenyl ether	N.A	5.0		
	Pentabromodiphenyl ether	N.A	5.0		
	Hexabromodiphenyl ether	N.A	5.0		
	Heptabromodiphenyl ether	N.A	5.0		
	Octabromodiphenyl ether	N.A	5.0		
	Nonabromodiphenyl ether	N.A	5.0		
	Decabromodiphenyl ether	N.A	5.0		

Note) Exemption : Lead in high melting temperature type solders (2011/65/EU Annex III 7(a))
Electrical and electronic components containing lead in a glass (2011/65/EU Annex III 7(c)-I)

7-12) CONTROL BOARD_CHIP RESISTOR(R2~4,7~15,18,19,22~29,31~36,39~55)

Heavy Metals					
Test Items	Test Results	unit	D.L.	Limit	Test Methods
Pb	1.3×10 ³	mg/kg	5.0	1 000	EN 62321-5 : 2014 _ICP-OES
Cd	N.A	mg/kg	0.5	100	EN 62321-5 : 2014 _ICP-OES
Hg	N.A	mg/kg	1.0	1 000	EN 62321-4 : 2014 _ICP-OES
Cr ⁶⁺	N.D	mg/kg	8.0	1 000	EN 62321-7-2 : 2017 _UV/Vis
Flame Retardants					
Test Items		Test Results (mg/kg)	D.L.	Limit	Test Method
PBB _s	Bromobiphenyl	N.A	5.0	1 000	EN 62321-6 : 2015 _GC/MS
	Dibromobiphenyl	N.A	5.0		
	Tribromobiphenyl	N.A	5.0		
	Tetrabromobiphenyl	N.A	5.0		
	Pentabromobiphenyl	N.A	5.0		
	Hexabromobiphenyl	N.A	5.0		
	Heptabromodiphenyl	N.A	5.0		
	Octabromobiphenyl	N.A	5.0		
	Nonabromobiphenyl	N.A	5.0		
	Decabromobiphenyl	N.A	5.0		
PBDE _s	Bromodiphenyl ether	N.A	5.0	1 000	
	Dibromodiphenyl ether	N.A	5.0		
	Tribromodiphenyl ether	N.A	5.0		
	Tetrabromodiphenyl ether	N.A	5.0		
	Pentabromodiphenyl ether	N.A	5.0		
	Hexabromodiphenyl ether	N.A	5.0		
	Heptabromodiphenyl ether	N.A	5.0		
	Octabromodiphenyl ether	N.A	5.0		
	Nonabromodiphenyl ether	N.A	5.0		
	Decabromodiphenyl ether	N.A	5.0		

Note) Exemption : Electrical and electronic components containing lead in a glass (2011/65/EU Annex III 7(c)-I)

7-15) CONTROL BOARD_IC(U1~3,24,25)

Heavy Metals					
Test Items	Test Results	unit	D.L.	Limit	Test Methods
Pb	2.7×10 ³	mg/kg	5.0	1 000	EN 62321-5 : 2014 _ICP-OES
Cd	N.A	mg/kg	0.5	100	EN 62321-5 : 2014 _ICP-OES
Hg	N.A	mg/kg	1.0	1 000	EN 62321-4 : 2014 _ICP-OES
Flame Retardants					
Test Items		Test Results (mg/kg)	D.L.	Limit	Test Method
PBB _s	Bromobiphenyl	N.A	5.0	1 000	EN 62321-6 : 2015 _GC/MS
	Dibromobiphenyl	N.A	5.0		
	Tribromobiphenyl	N.A	5.0		
	Tetrabromobiphenyl	N.A	5.0		
	Pentabromobiphenyl	N.A	5.0		
	Hexabromobiphenyl	N.A	5.0		
	Heptabromodiphenyl	N.A	5.0		
	Octabromobiphenyl	N.A	5.0		
	Nonabromobiphenyl	N.A	5.0		
	Decabromobiphenyl	N.A	5.0		
PBDE _s	Bromodiphenyl ether	N.A	5.0	1 000	
	Dibromodiphenyl ether	N.A	5.0		
	Tribromodiphenyl ether	N.A	5.0		
	Tetrabromodiphenyl ether	N.A	5.0		
	Pentabromodiphenyl ether	N.A	5.0		
	Hexabromodiphenyl ether	N.A	5.0		
	Heptabromodiphenyl ether	N.A	5.0		
	Octabromodiphenyl ether	N.A	5.0		
	Nonabromodiphenyl ether	N.A	5.0		
	Decabromodiphenyl ether	N.A	5.0		

Note) Exemption : Electrical and electronic components containing lead in a glass (2011/65/EU Annex III 7(c)-I)

7-18) CONTROL BOARD_DIODE(D2~12,15~20,23)

Heavy Metals					
Test Items	Test Results	unit	D.L.	Limit	Test Methods
Pb	8.1×10 ²	mg/kg	5.0	1 000	EN 62321-5 : 2014 _ICP-OES
Cd	N.A	mg/kg	0.5	100	EN 62321-5 : 2014 _ICP-OES
Hg	N.A	mg/kg	1.0	1 000	EN 62321-4 : 2014 _ICP-OES
Flame Retardants					
Test Items		Test Results (mg/kg)	D.L.	Limit	Test Method
PBB _s	Bromobiphenyl	N.A	5.0	1 000	EN 62321-6 : 2015 _GC/MS
	Dibromobiphenyl	N.A	5.0		
	Tribromobiphenyl	N.A	5.0		
	Tetrabromobiphenyl	N.A	5.0		
	Pentabromobiphenyl	N.A	5.0		
	Hexabromobiphenyl	N.A	5.0		
	Heptabromodiphenyl	N.A	5.0		
	Octabromobiphenyl	N.A	5.0		
	Nonabromobiphenyl	N.A	5.0		
	Decabromobiphenyl	N.A	5.0		
PBDE _s	Bromodiphenyl ether	N.A	5.0	1 000	
	Dibromodiphenyl ether	N.A	5.0		
	Tribromodiphenyl ether	N.A	5.0		
	Tetrabromodiphenyl ether	N.A	5.0		
	Pentabromodiphenyl ether	N.A	5.0		
	Hexabromodiphenyl ether	N.A	5.0		
	Heptabromodiphenyl ether	N.A	5.0		
	Octabromodiphenyl ether	N.A	5.0		
	Nonabromodiphenyl ether	N.A	5.0		
	Decabromodiphenyl ether	N.A	5.0		

Note) Exemption : Lead in high melting temperature type solders (2011/65/EU Annex III 7(a))
Electrical and electronic components containing lead in a glass (2011/65/EU Annex III 7(c)-I)

7-19) CONTROL BOARD_DIODE(D22)

Heavy Metals					
Test Items	Test Results	unit	D.L.	Limit	Test Methods
Pb	1.3×10 ²	mg/kg	5.0	1 000	EN 62321-5 : 2014 _ICP-OES
Cd	N.A	mg/kg	0.5	100	EN 62321-5 : 2014 _ICP-OES
Hg	N.A	mg/kg	1.0	1 000	EN 62321-4 : 2014 _ICP-OES
Flame Retardants					
Test Items		Test Results (mg/kg)	D.L.	Limit	Test Method
PBB _s	Bromobiphenyl	N.A	5.0	1 000	EN 62321-6 : 2015 _GC/MS
	Dibromobiphenyl	N.A	5.0		
	Tribromobiphenyl	N.A	5.0		
	Tetrabromobiphenyl	N.A	5.0		
	Pentabromobiphenyl	N.A	5.0		
	Hexabromobiphenyl	N.A	5.0		
	Heptabromodiphenyl	N.A	5.0		
	Octabromobiphenyl	N.A	5.0		
	Nonabromobiphenyl	N.A	5.0		
	Decabromobiphenyl	N.A	5.0		
PBDE _s	Bromodiphenyl ether	N.A	5.0	1 000	
	Dibromodiphenyl ether	N.A	5.0		
	Tribromodiphenyl ether	N.A	5.0		
	Tetrabromodiphenyl ether	N.A	5.0		
	Pentabromodiphenyl ether	N.A	5.0		
	Hexabromodiphenyl ether	N.A	5.0		
	Heptabromodiphenyl ether	N.A	5.0		
	Octabromodiphenyl ether	N.A	5.0		
	Nonabromodiphenyl ether	N.A	5.0		
	Decabromodiphenyl ether	N.A	5.0		

Note) Exemption : Lead in high melting temperature type solders (2011/65/EU Annex III 7(a))
Electrical and electronic components containing lead in a glass (2011/65/EU Annex III 7(c)-I)

7-21-1) CONTROL BOARD_CONNECTOR(ISP1)_MOLD

Heavy Metals					
Test Items	Test Results	unit	D.L.	Limit	Test Methods
Pb	N.A	mg/kg	5.0	1 000	EN 62321-5 : 2014 _ICP-OES
Cd	N.A	mg/kg	0.5	100	EN 62321-5 : 2014 _ICP-OES
Hg	N.A	mg/kg	1.0	1 000	EN 62321-4 : 2014 _ICP-OES
Flame Retardants					
Test Items		Test Results (mg/kg)	D.L.	Limit	Test Method
PBB _s	Bromobiphenyl	N.D	5.0	1 000	EN 62321-6 : 2015 _GC/MS
	Dibromobiphenyl	N.D	5.0		
	Tribromobiphenyl	N.D	5.0		
	Tetrabromobiphenyl	N.D	5.0		
	Pentabromobiphenyl	N.D	5.0		
	Hexabromobiphenyl	N.D	5.0		
	Heptabromodiphenyl	N.D	5.0		
	Octabromobiphenyl	N.D	5.0		
	Nonabromobiphenyl	N.D	5.0		
	Decabromobiphenyl	N.D	5.0		
PBDE _s	Bromodiphenyl ether	N.D	5.0	1 000	
	Dibromodiphenyl ether	N.D	5.0		
	Tribromodiphenyl ether	N.D	5.0		
	Tetrabromodiphenyl ether	N.D	5.0		
	Pentabromodiphenyl ether	N.D	5.0		
	Hexabromodiphenyl ether	N.D	5.0		
	Heptabromodiphenyl ether	N.D	5.0		
	Octabromodiphenyl ether	N.D	5.0		
	Nonabromodiphenyl ether	N.D	5.0		
	Decabromodiphenyl ether	N.D	5.0		

7-23) CONTROL BOARD_R-CHIP(R1,2,4~7)

Heavy Metals					
Test Items	Test Results	unit	D.L.	Limit	Test Methods
Pb	7.1×10 ²	mg/kg	5.0	1 000	EN 62321-5 : 2014 _ICP-OES
Cd	N.A	mg/kg	0.5	100	EN 62321-5 : 2014 _ICP-OES
Hg	N.A	mg/kg	1.0	1 000	EN 62321-4 : 2014 _ICP-OES
Cr ⁶⁺	N.D	mg/kg	8.0	1 000	EN 62321-7-2 : 2017 _UV/Vis
Flame Retardants					
Test Items		Test Results (mg/kg)	D.L.	Limit	Test Method
PBB _s	Bromobiphenyl	N.A	5.0	1 000	EN 62321-6 : 2015 _GC/MS
	Dibromobiphenyl	N.A	5.0		
	Tribromobiphenyl	N.A	5.0		
	Tetrabromobiphenyl	N.A	5.0		
	Pentabromobiphenyl	N.A	5.0		
	Hexabromobiphenyl	N.A	5.0		
	Heptabromodiphenyl	N.A	5.0		
	Octabromobiphenyl	N.A	5.0		
	Nonabromobiphenyl	N.A	5.0		
	Decabromobiphenyl	N.A	5.0		
PBDE _s	Bromodiphenyl ether	N.A	5.0	1 000	
	Dibromodiphenyl ether	N.A	5.0		
	Tribromodiphenyl ether	N.A	5.0		
	Tetrabromodiphenyl ether	N.A	5.0		
	Pentabromodiphenyl ether	N.A	5.0		
	Hexabromodiphenyl ether	N.A	5.0		
	Heptabromodiphenyl ether	N.A	5.0		
	Octabromodiphenyl ether	N.A	5.0		
	Nonabromodiphenyl ether	N.A	5.0		
	Decabromodiphenyl ether	N.A	5.0		

Note) Exemption : Electrical and electronic components containing lead in a glass (2011/65/EU Annex III 7(c)-I)

8-3) USB HUB BOARD_DIODE(D1)

Heavy Metals					
Test Items	Test Results	unit	D.L.	Limit	Test Methods
Pb	1.0×10 ⁵	mg/kg	5.0	1 000	EN 62321-5 : 2014 _ICP-OES
Cd	N.A	mg/kg	0.5	100	EN 62321-5 : 2014 _ICP-OES
Hg	N.A	mg/kg	1.0	1 000	EN 62321-4 : 2014 _ICP-OES
Flame Retardants					
Test Items		Test Results (mg/kg)	D.L.	Limit	Test Method
PBB _s	Bromobiphenyl	N.A	5.0	1 000	EN 62321-6 : 2015 _GC/MS
	Dibromobiphenyl	N.A	5.0		
	Tribromobiphenyl	N.A	5.0		
	Tetrabromobiphenyl	N.A	5.0		
	Pentabromobiphenyl	N.A	5.0		
	Hexabromobiphenyl	N.A	5.0		
	Heptabromodiphenyl	N.A	5.0		
	Octabromobiphenyl	N.A	5.0		
	Nonabromobiphenyl	N.A	5.0		
	Decabromobiphenyl	N.A	5.0		
PBDE _s	Bromodiphenyl ether	N.A	5.0	1 000	
	Dibromodiphenyl ether	N.A	5.0		
	Tribromodiphenyl ether	N.A	5.0		
	Tetrabromodiphenyl ether	N.A	5.0		
	Pentabromodiphenyl ether	N.A	5.0		
	Hexabromodiphenyl ether	N.A	5.0		
	Heptabromodiphenyl ether	N.A	5.0		
	Octabromodiphenyl ether	N.A	5.0		
	Nonabromodiphenyl ether	N.A	5.0		
	Decabromodiphenyl ether	N.A	5.0		

Note) Exemption : Lead in high melting temperature type solders (2011/65/EU Annex III 7(a))
Electrical and electronic components containing lead in a glass (2011/65/EU Annex III 7(c)-I)

8-4) USB HUB BOARD_DIODE(D4)

Heavy Metals					
Test Items	Test Results	unit	D.L.	Limit	Test Methods
Pb	1.3×10 ³	mg/kg	5.0	1 000	EN 62321-5 : 2014 _ICP-OES
Cd	N.A	mg/kg	0.5	100	EN 62321-5 : 2014 _ICP-OES
Hg	N.A	mg/kg	1.0	1 000	EN 62321-4 : 2014 _ICP-OES
Flame Retardants					
Test Items		Test Results (mg/kg)	D.L.	Limit	Test Method
PBB _s	Bromobiphenyl	N.A	5.0	1 000	EN 62321-6 : 2015 _GC/MS
	Dibromobiphenyl	N.A	5.0		
	Tribromobiphenyl	N.A	5.0		
	Tetrabromobiphenyl	N.A	5.0		
	Pentabromobiphenyl	N.A	5.0		
	Hexabromobiphenyl	N.A	5.0		
	Heptabromodiphenyl	N.A	5.0		
	Octabromobiphenyl	N.A	5.0		
	Nonabromobiphenyl	N.A	5.0		
	Decabromobiphenyl	N.A	5.0		
PBDE _s	Bromodiphenyl ether	N.A	5.0	1 000	
	Dibromodiphenyl ether	N.A	5.0		
	Tribromodiphenyl ether	N.A	5.0		
	Tetrabromodiphenyl ether	N.A	5.0		
	Pentabromodiphenyl ether	N.A	5.0		
	Hexabromodiphenyl ether	N.A	5.0		
	Heptabromodiphenyl ether	N.A	5.0		
	Octabromodiphenyl ether	N.A	5.0		
	Nonabromodiphenyl ether	N.A	5.0		
	Decabromodiphenyl ether	N.A	5.0		

Note) Exemption : Electrical and electronic components containing lead in a glass (2011/65/EU Annex III 7(c)-I)

8-7) USB HUB BOARD_R-CHIP(R1~14,16~40)

Heavy Metals					
Test Items	Test Results	unit	D.L.	Limit	Test Methods
Pb	1.3×10 ³	mg/kg	5.0	1 000	EN 62321-5 : 2014 _ICP-OES
Cd	N.A	mg/kg	0.5	100	EN 62321-5 : 2014 _ICP-OES
Hg	N.A	mg/kg	1.0	1 000	EN 62321-4 : 2014 _ICP-OES
Cr ⁶⁺	N.D	mg/kg	8.0	1 000	EN 62321-7-2 : 2017 _UV/Vis
Flame Retardants					
Test Items		Test Results (mg/kg)	D.L.	Limit	Test Method
PBB _s	Bromobiphenyl	N.A	5.0	1 000	EN 62321-6 : 2015 _GC/MS
	Dibromobiphenyl	N.A	5.0		
	Tribromobiphenyl	N.A	5.0		
	Tetrabromobiphenyl	N.A	5.0		
	Pentabromobiphenyl	N.A	5.0		
	Hexabromobiphenyl	N.A	5.0		
	Heptabromodiphenyl	N.A	5.0		
	Octabromobiphenyl	N.A	5.0		
	Nonabromobiphenyl	N.A	5.0		
	Decabromobiphenyl	N.A	5.0		
PBDE _s	Bromodiphenyl ether	N.A	5.0	1 000	
	Dibromodiphenyl ether	N.A	5.0		
	Tribromodiphenyl ether	N.A	5.0		
	Tetrabromodiphenyl ether	N.A	5.0		
	Pentabromodiphenyl ether	N.A	5.0		
	Hexabromodiphenyl ether	N.A	5.0		
	Heptabromodiphenyl ether	N.A	5.0		
	Octabromodiphenyl ether	N.A	5.0		
	Nonabromodiphenyl ether	N.A	5.0		
	Decabromodiphenyl ether	N.A	5.0		

Note) Exemption : Electrical and electronic components containing lead in a glass (2011/65/EU Annex III 7(c)-I)

8-8-1) USB HUB BOARD_HEADER(SW1)_MOLD

Heavy Metals					
Test Items	Test Results	unit	D.L.	Limit	Test Methods
Pb	N.A	mg/kg	5.0	1 000	EN 62321-5 : 2014 _ICP-OES
Cd	N.A	mg/kg	0.5	100	EN 62321-5 : 2014 _ICP-OES
Hg	N.A	mg/kg	1.0	1 000	EN 62321-4 : 2014 _ICP-OES
Flame Retardants					
Test Items		Test Results (mg/kg)	D.L.	Limit	Test Method
PBB _s	Bromobiphenyl	N.D	5.0	1 000	EN 62321-6 : 2015 _GC/MS
	Dibromobiphenyl	N.D	5.0		
	Tribromobiphenyl	N.D	5.0		
	Tetrabromobiphenyl	N.D	5.0		
	Pentabromobiphenyl	N.D	5.0		
	Hexabromobiphenyl	N.D	5.0		
	Heptabromodiphenyl	N.D	5.0		
	Octabromobiphenyl	N.D	5.0		
	Nonabromobiphenyl	N.D	5.0		
	Decabromobiphenyl	N.D	5.0		
PBDE _s	Bromodiphenyl ether	N.D	5.0	1 000	
	Dibromodiphenyl ether	N.D	5.0		
	Tribromodiphenyl ether	N.D	5.0		
	Tetrabromodiphenyl ether	N.D	5.0		
	Pentabromodiphenyl ether	N.D	5.0		
	Hexabromodiphenyl ether	N.D	5.0		
	Heptabromodiphenyl ether	N.D	5.0		
	Octabromodiphenyl ether	N.D	5.0		
	Nonabromodiphenyl ether	N.D	5.0		
	Decabromodiphenyl ether	N.D	5.0		

8-18) USB HUB BOARD_PCB

Heavy Metals					
Test Items	Test Results	unit	D.L.	Limit	Test Methods
Pb	N.A	mg/kg	5.0	1 000	EN 62321-5 : 2014 _ICP-OES
Cd	N.A	mg/kg	0.5	100	EN 62321-5 : 2014 _ICP-OES
Hg	N.A	mg/kg	1.0	1 000	EN 62321-4 : 2014 _ICP-OES
Flame Retardants					
Test Items		Test Results (mg/kg)	D.L.	Limit	Test Method
PBB _s	Bromobiphenyl	N.D	5.0	1 000	EN 62321-6 : 2015 _GC/MS
	Dibromobiphenyl	N.D	5.0		
	Tribromobiphenyl	N.D	5.0		
	Tetrabromobiphenyl	N.D	5.0		
	Pentabromobiphenyl	N.D	5.0		
	Hexabromobiphenyl	N.D	5.0		
	Heptabromodiphenyl	N.D	5.0		
	Octabromobiphenyl	N.D	5.0		
	Nonabromobiphenyl	N.D	5.0		
	Decabromobiphenyl	N.D	5.0		
PBDE _s	Bromodiphenyl ether	N.D	5.0	1 000	
	Dibromodiphenyl ether	N.D	5.0		
	Tribromodiphenyl ether	N.D	5.0		
	Tetrabromodiphenyl ether	N.D	5.0		
	Pentabromodiphenyl ether	N.D	5.0		
	Hexabromodiphenyl ether	N.D	5.0		
	Heptabromodiphenyl ether	N.D	5.0		
	Octabromodiphenyl ether	N.D	5.0		
	Nonabromodiphenyl ether	N.D	5.0		
	Decabromodiphenyl ether	N.D	5.0		

9-8) CABLES_MOLD

Heavy Metals					
Test Items	Test Results	unit	D.L.	Limit	Test Methods
Pb	N.A	mg/kg	5.0	1 000	EN 62321-5 : 2014 _ICP-OES
Cd	N.A	mg/kg	0.5	100	EN 62321-5 : 2014 _ICP-OES
Hg	N.A	mg/kg	1.0	1 000	EN 62321-4 : 2014 _ICP-OES
Flame Retardants					
Test Items		Test Results (mg/kg)	D.L.	Limit	Test Method
PBB _s	Bromobiphenyl	N.D	5.0	1 000	EN 62321-6 : 2015 _GC/MS
	Dibromobiphenyl	N.D	5.0		
	Tribromobiphenyl	N.D	5.0		
	Tetrabromobiphenyl	N.D	5.0		
	Pentabromobiphenyl	N.D	5.0		
	Hexabromobiphenyl	N.D	5.0		
	Heptabromodiphenyl	N.D	5.0		
	Octabromobiphenyl	N.D	5.0		
	Nonabromobiphenyl	N.D	5.0		
	Decabromobiphenyl	N.D	5.0		
PBDE _s	Bromodiphenyl ether	N.D	5.0	1 000	
	Dibromodiphenyl ether	N.D	5.0		
	Tribromodiphenyl ether	N.D	5.0		
	Tetrabromodiphenyl ether	N.D	5.0		
	Pentabromodiphenyl ether	N.D	5.0		
	Hexabromodiphenyl ether	N.D	5.0		
	Heptabromodiphenyl ether	N.D	5.0		
	Octabromodiphenyl ether	N.D	5.0		
	Nonabromodiphenyl ether	N.D	5.0		
	Decabromodiphenyl ether	N.D	5.0		

10-2-4) ACCESSORY_USB CABLE_USB MOLD(BLUE)

Heavy Metals					
Test Items	Test Results	unit	D.L.	Limit	Test Methods
Pb	N.A	mg/kg	5.0	1 000	EN 62321-5 : 2014 _ICP-OES
Cd	N.A	mg/kg	0.5	100	EN 62321-5 : 2014 _ICP-OES
Hg	N.A	mg/kg	1.0	1 000	EN 62321-4 : 2014 _ICP-OES
Flame Retardants					
Test Items		Test Results (mg/kg)	D.L.	Limit	Test Method
PBB _s	Bromobiphenyl	N.D	5.0	1 000	EN 62321-6 : 2015 _GC/MS
	Dibromobiphenyl	N.D	5.0		
	Tribromobiphenyl	N.D	5.0		
	Tetrabromobiphenyl	N.D	5.0		
	Pentabromobiphenyl	N.D	5.0		
	Hexabromobiphenyl	N.D	5.0		
	Heptabromodiphenyl	N.D	5.0		
	Octabromobiphenyl	N.D	5.0		
	Nonabromobiphenyl	N.D	5.0		
	Decabromobiphenyl	N.D	5.0		
PBDE _s	Bromodiphenyl ether	N.D	5.0	1 000	
	Dibromodiphenyl ether	N.D	5.0		
	Tribromodiphenyl ether	N.D	5.0		
	Tetrabromodiphenyl ether	N.D	5.0		
	Pentabromodiphenyl ether	N.D	5.0		
	Hexabromodiphenyl ether	N.D	5.0		
	Heptabromodiphenyl ether	N.D	5.0		
	Octabromodiphenyl ether	N.D	5.0		
	Nonabromodiphenyl ether	N.D	5.0		
	Decabromodiphenyl ether	N.D	5.0		

10-2-25) ACCESSORY_USB CABLE_MOLD(BLUE)

Heavy Metals					
Test Items	Test Results	unit	D.L.	Limit	Test Methods
Pb	N.A	mg/kg	5.0	1 000	EN 62321-5 : 2014 _ICP-OES
Cd	N.A	mg/kg	0.5	100	EN 62321-5 : 2014 _ICP-OES
Hg	N.A	mg/kg	1.0	1 000	EN 62321-4 : 2014 _ICP-OES
Flame Retardants					
Test Items		Test Results (mg/kg)	D.L.	Limit	Test Method
PBB _s	Bromobiphenyl	N.D	5.0	1 000	EN 62321-6 : 2015 _GC/MS
	Dibromobiphenyl	N.D	5.0		
	Tribromobiphenyl	N.D	5.0		
	Tetrabromobiphenyl	N.D	5.0		
	Pentabromobiphenyl	N.D	5.0		
	Hexabromobiphenyl	N.D	5.0		
	Heptabromodiphenyl	N.D	5.0		
	Octabromobiphenyl	N.D	5.0		
	Nonabromobiphenyl	N.D	5.0		
	Decabromobiphenyl	N.D	5.0		
PBDE _s	Bromodiphenyl ether	N.D	5.0	1 000	
	Dibromodiphenyl ether	N.D	5.0		
	Tribromodiphenyl ether	N.D	5.0		
	Tetrabromodiphenyl ether	N.D	5.0		
	Pentabromodiphenyl ether	N.D	5.0		
	Hexabromodiphenyl ether	N.D	5.0		
	Heptabromodiphenyl ether	N.D	5.0		
	Octabromodiphenyl ether	N.D	5.0		
	Nonabromodiphenyl ether	N.D	5.0		
	Decabromodiphenyl ether	N.D	5.0		

5-2. Chemical Test Results : Phthalates

No.	Sample Name	Results (mg/kg)				Limit (mg/kg)	Test Method
		DEHP	DBP	DIBP	BBP		
		Detection Limit (mg/kg)					
		50	50	50	50		
1-1	FRONT & AS COVER	N.D	N.D	N.D	N.D	1 000	EN 62321-8 : 2017 _GC/MS
1-2	STICKER	N.D	N.D	N.D	N.D		
1-3	FRONT DECO BOTTOM	N.D	N.D	N.D	N.D		
1-4-1	FOOT SCREW_CAP	N.D	N.D	N.D	N.D		
1-5	FOOT CAP	N.D	N.D	N.D	N.D		
1-6	TOUCH OPENER_BODY	N.D	N.D	N.D	N.D		
1-6-2	COVER	N.D	N.D	N.D	N.D		
1-8-1	HOLDER(GRAY)_HOLDER	N.D	N.D	N.D	N.D		
2-1	INSIDE CASE	N.D	N.D	N.D	N.D		
2-2-1	HOLDER(WHITE)_HOLDER	N.D	N.D	N.D	N.D		
2-3-1	HOLDER(YELLOW)_HOLDER	N.D	N.D	N.D	N.D		
2-4-1	JAW STAND _STAND	N.D	N.D	N.D	N.D		
2-4-2	GRAY REFERENCE TAPE	N.D	N.D	N.D	N.D		
2-5-1-1	FILTER BRACKET	N.D	N.D	N.D	N.D		
2-5-1-2	CUT FILTER	N.D	N.D	N.D	N.D		
2-5-1-3	PL FILTER	N.D	N.D	N.D	N.D		
2-5-1-4	PL DIFFUSER	N.D	N.D	N.D	N.D		
2-5-2-1	LED OUTSIDE BOARD LED	N.D	N.D	N.D	N.D		
2-5-2-2	UV LED	N.D	N.D	N.D	N.D		
2-5-2-3-1	CONNECTOR_MOLD	N.D	N.D	N.D	N.D		
2-5-2-4	CHIP RESISTOR	N.D	N.D	N.D	N.D		
2-5-3-1	CABLE_INSULATION WIRE(GREEN)	N.D	N.D	N.D	N.D		

*Note : DEHP (di-(2-ethylhexyl) phthalate), DBP (di-n-butyl phthalate), DIBP (di-isobutyl phthalate), BBP (benzylbutyl phthalate)

No.	Sample Name	Results (mg/kg)				Limit (mg/kg)	Test Method
		DEHP	DBP	DIBP	BBP		
		Detection Limit (mg/kg)					
		50	50	50	50		
2-5-3-2	INSULATION WIRE(YELLOW)	8.6×10 ²	N.D	N.D	N.D	1 000	EN 62321-8 : 2017 _GC/MS
2-5-3-3	INSULATION WIRE(RED)	N.D	N.D	N.D	N.D		
2-5-3-4	INSULATION WIRE(BROWN)	N.D	N.D	N.D	N.D		
2-5-3-5	INSULATION WIRE(BLACK)	N.D	N.D	N.D	N.D		
2-5-3-6	INSULATION WIRE(ORANGE)	N.D	N.D	N.D	N.D		
2-5-3-7	MOLD	N.D	N.D	N.D	N.D		
2-6-1	FOREHEAD STAND_BASE	N.D	N.D	N.D	N.D		
2-6-2	GUIDE(Y TYPE)	N.D	N.D	N.D	N.D		
2-6-3	HOLDER	N.D	N.D	N.D	N.D		
2-6-4	HOLD PLT	N.D	N.D	N.D	N.D		
2-6-5	SUPPORT RUBBER	N.D	N.D	N.D	N.D		
3-1	SCREEN COVER TOP	N.D	N.D	N.D	N.D		
3-2-1	POLDING SCREEN_MOLD	N.D	N.D	N.D	N.D		
3-2-2	FABRIC	N.D	N.D	N.D	N.D		
3-3	PLEAT HINGE COVER L/R	N.D	N.D	N.D	N.D		
3-4	HINGE FIXED BRACKET	N.D	N.D	N.D	N.D		
3-5	PLEAT HINGE BODY L/R	N.D	N.D	N.D	N.D		
3-6	HINGE FIXED PIN	N.D	N.D	N.D	N.D		
4-1-2	CHIP LED DIODE(YELLOW)	N.D	N.D	N.D	N.D		
4-1-3-1	CONNECTOR_MOLD	N.D	N.D	N.D	N.D		
4-1-4	CHIP RESISTOR	N.D	N.D	N.D	N.D		
4-2-1	LED CABLE_ INSULATION WIRE(RED)	N.D	N.D	N.D	N.D		
4-2-2	INSULATION WIRE(ORANGE)	N.D	N.D	N.D	N.D		

*Note : DEHP (di-(2-ethylhexyl) phthalate), DBP (di-n-butyl phthalate), DIBP (di-isobutyl phthalate), BBP (benzylbutyl phthalate)

No.	Sample Name	Results (mg/kg)				Limit (mg/kg)	Test Method
		DEHP	DBP	DIBP	BBP		
		Detection Limit (mg/kg)					
		50	50	50	50		
4-2-3	INSULATION WIRE(YELLOW)	9.2×10 ²	N.D	N.D	N.D	1 000	EN 62321-8 : 2017 _GC/MS
4-2-4	INSULATION WIRE(GREEN)	N.D	N.D	N.D	N.D		
4-2-5	INSULATION WIRE(BROWN)	N.D	N.D	N.D	N.D		
4-2-6	INSULATION WIRE(BLACK)	N.D	N.D	N.D	N.D		
4-2-8	MOLD	N.D	N.D	N.D	N.D		
5-2-1	SWITCH_BASE	N.D	N.D	N.D	N.D		
5-2-2	KNOB	N.D	N.D	N.D	N.D		
5-3-1	SUPPORT SCREW_MOLD	N.D	N.D	N.D	N.D		
5-4	PP SCREW	N.D	N.D	N.D	N.D		
6-1	CAMERA HOLDER	N.D	N.D	N.D	N.D		
6-2	CAMERA PL FILTER	N.D	N.D	N.D	N.D		
6-8-1	CAMERA USB CABLE_ USB BUSHING	N.D	N.D	N.D	N.D		
6-8-2	BUSHING-1	N.D	N.D	N.D	N.D		
6-8-3	BUSHING-2	N.D	N.D	N.D	N.D		
6-8-4	JACKET-1	N.D	N.D	N.D	N.D		
6-8-7	SILICONE	N.D	N.D	N.D	N.D		
6-8-8	USB MOLD(WHITE)	N.D	N.D	N.D	N.D		
6-8-9	USB MOLD(BLACK)	N.D	N.D	N.D	N.D		
6-8-10	RESIN	N.D	N.D	N.D	N.D		
6-8-13	TAPE	N.D	N.D	N.D	N.D		
6-8-15	JACKET-2	N.D	N.D	N.D	N.D		
6-8-20	INSULATION WIRE(BLACK)	N.D	N.D	N.D	N.D		
6-8-21	INSULATION WIRE(RED)	N.D	N.D	N.D	N.D		

*Note : DEHP (di-(2-ethylhexyl) phthalate), DBP (di-n-butyl phthalate), DIBP (di-isobutyl phthalate), BBP (benzylbutyl phthalate)

No.	Sample Name	Results (mg/kg)				Limit (mg/kg)	Test Method
		DEHP	DBP	DIBP	BBP		
		Detection Limit (mg/kg)					
		50	50	50	50		
6-8-22	INSULATION WIRE(GREEN)	N.D	N.D	N.D	N.D	1 000	EN 62321-8 : 2017 _GC/MS
6-8-23	INSULATION WIRE(WHITE)	N.D	N.D	N.D	N.D		
6-9	SPONGE	N.D	N.D	N.D	N.D		
7-1-2	RUBBER BAKE	N.D	N.D	N.D	N.D		
7-1-3	SEPARATOR	N.D	N.D	N.D	N.D		
7-1-4	BASE	N.D	N.D	N.D	N.D		
7-2	C-CHIP (C4,5,7,10,29,31,33,35~39)	N.D	N.D	N.D	N.D		
7-3	DIODE(D1~12,15~20,22~23)	N.D	N.D	N.D	N.D		
7-4-1	HEADER(J30~32)_MOLD	N.D	N.D	N.D	N.D		
7-5-1	PWR IN CONNECTOR(J6) _MOLD	N.D	N.D	N.D	N.D		
7-6-1	PWR IN CONNECTOR (J7,8,34,35) _MOLD	N.D	N.D	N.D	N.D		
7-8-2	INSULATION TAPE	N.D	N.D	N.D	N.D		
7-8-3	BOBBIN	N.D	N.D	N.D	N.D		
7-9	CHIP FERRITE BEAD(L23,24)	N.D	N.D	N.D	N.D		
7-10	MOSFET(Q5,13)	N.D	N.D	N.D	N.D		
7-11	NPN BJT(Q10~12,14,15,17)	N.D	N.D	N.D	N.D		
7-12	CHIP RESISTOR (R2~4,7~15,18,19,22~29,31~36,39~55)	N.D	N.D	N.D	N.D		
7-13-1	SWITCH(SW7)_BUTTON	N.D	N.D	N.D	N.D		
7-13-4	MOLD BASE	N.D	N.D	N.D	N.D		
7-14	CAPACITOR(TC1~6)	N.D	N.D	N.D	N.D		
7-15	IC(U1~3,24,25)	N.D	N.D	N.D	N.D		
7-16	IC(U4,5,8)	N.D	N.D	N.D	N.D		
7-17	LED DRIVER (U6,7,9~14,17~22)	N.D	N.D	N.D	N.D		

*Note : DEHP (di-(2-ethylhexyl) phthalate), DBP (di-n-butyl phthalate), DIBP (di-isobutyl phthalate), BBP (benzylbutyl phthalate)

No.	Sample Name	Results (mg/kg)				Limit (mg/kg)	Test Method
		DEHP	DBP	DIBP	BBP		
		Detection Limit (mg/kg)					
		50	50	50	50		
7-18	DIODE(D2~12,15~20,23)	N.D	N.D	N.D	N.D	1 000	EN 62321-8 : 2017 _GC/MS
7-19	DIODE(D22)	N.D	N.D	N.D	N.D		
7-20	C-CHIP(C1,2,4~7)	N.D	N.D	N.D	N.D		
7-21-1	CONNECTOR(ISP1)_MOLD	N.D	N.D	N.D	N.D		
7-22-1	BUZZER(LS1)_CASE	N.D	N.D	N.D	N.D		
7-23	R-CHIP(R1,2,4~7)	N.D	N.D	N.D	N.D		
7-24-2	BASE	N.D	N.D	N.D	N.D		
7-25	DIODE(Q1) : FIRST SILICON	N.D	N.D	N.D	N.D		
8-1	C-CHIP(C1~50)	N.D	N.D	N.D	N.D		
8-2-2	SEPARATOR	N.D	N.D	N.D	N.D		
8-2-3	RUBBER BAKE	N.D	N.D	N.D	N.D		
8-2-4	BASE	N.D	N.D	N.D	N.D		
8-3	DIODE(D1)	N.D	N.D	N.D	N.D		
8-4	DIODE(D4)	N.D	N.D	N.D	N.D		
8-5-2	MOLD	N.D	N.D	N.D	N.D		
8-6-1	CONNECTOR(J1~4)_MOLD	N.D	N.D	N.D	N.D		
8-7	R-CHIP(R1~14,16~40)	N.D	N.D	N.D	N.D		
8-8-1	HEADER(SW1)_MOLD	N.D	N.D	N.D	N.D		
8-9	CONTROLLER(U1)	N.D	N.D	N.D	N.D		
8-10	IC(U2)	N.D	N.D	N.D	N.D		
8-11	IC(U3)	N.D	N.D	N.D	N.D		
8-12	IC(U4)	N.D	N.D	N.D	N.D		
8-13	IC(U6)	N.D	N.D	N.D	N.D		

*Note : DEHP (di-(2-ethylhexyl) phthalate), DBP (di-n-butyl phthalate), DIBP (di-isobutyl phthalate), BBP (benzylbutyl phthalate)

No.	Sample Name	Results (mg/kg)				Limit (mg/kg)	Test Method
		DEHP	DBP	DIBP	BBP		
		Detection Limit (mg/kg)					
		50	50	50	50		
8-14	TVS ARRAY(U10,11)	N.D	N.D	N.D	N.D	1 000	EN 62321-8 : 2017 _GC/MS
8-15	X-TAL(X1)	N.D	N.D	N.D	N.D		
8-16	BEAD(FB1,2)	N.D	N.D	N.D	N.D		
8-17	INDUCTOR(L1)	N.D	N.D	N.D	N.D		
8-18	PCB	N.D	N.D	N.D	N.D		
9-1	INSULATION WIRE(RED)	N.D	N.D	N.D	N.D		
9-2	INSULATION WIRE(ORANGE)	N.D	N.D	N.D	N.D		
9-3	INSULATION WIRE(YELLOW)	9.3×10 ²	N.D	N.D	N.D		
9-4	INSULATION WIRE(GREEN)	N.D	N.D	N.D	N.D		
9-5	INSULATION WIRE(BROWN)	N.D	N.D	N.D	N.D		
9-6	INSULATION WIRE(BLACK)	N.D	N.D	N.D	N.D		
9-8	MOLD	N.D	N.D	N.D	N.D		
10-1-3	INNER MOLD	N.D	N.D	N.D	N.D		
10-2-1	USB_BUSHING	N.D	N.D	N.D	N.D		
10-2-3	RESIN-1	N.D	N.D	N.D	N.D		
10-2-4	USB MOLD(BLUE)	N.D	N.D	N.D	N.D		
10-2-6	JACKET	N.D	N.D	N.D	N.D		
10-2-7	AL FOIL(SILVER)	N.D	N.D	N.D	N.D		
10-2-8	AL FOIL(SKY)	N.D	N.D	N.D	N.D		
10-2-9	SHEET(BLACK)	N.D	N.D	N.D	N.D		
10-2-12	INSULATION WIRE(YELLOW)	N.D	N.D	N.D	N.D		
10-2-13	INUSULATION WIRE(SKY)	N.D	N.D	N.D	N.D		
10-2-14	INSULATION WIRE(ORANGE)	N.D	N.D	N.D	N.D		

*Note : DEHP (di-(2-ethylhexyl) phthalate), DBP (di-n-butyl phthalate), DIBP (di-isobutyl phthalate), BBP (benzylbutyl phthalate)

No.	Sample Name	Results (mg/kg)				Limit (mg/kg)	Test Method
		DEHP	DBP	DIBP	BBP		
		Detection Limit (mg/kg)					
		50	50	50	50		
10-2-15	INSULATION WIRE(PURPLE)	N.D	N.D	N.D	N.D	1 000	EN 62321-8 : 2017 _GC/MS
10-2-16	INSULATION WIRE(BLACK)	N.D	N.D	N.D	N.D		
10-2-17	INSULATION WIRE(RED)	N.D	N.D	N.D	N.D		
10-2-18	INSULATION WIRE(GREEN)	N.D	N.D	N.D	N.D		
10-2-19	INSULATION WIRE(WHITE)	N.D	N.D	N.D	N.D		
10-2-21	BUSHING	N.D	N.D	N.D	N.D		
10-2-24	RESIN-2	N.D	N.D	N.D	N.D		
10-2-25	MOLD(BLUE)	N.D	N.D	N.D	N.D		
10-2-27	INNER MOLD(BLACK)	N.D	N.D	N.D	N.D		

*Note : DEHP (di-(2-ethylhexyl) phthalate), DBP (di-n-butyl phthalate), DIBP (di-isobutyl phthalate), BBP (benzylbutyl phthalate)

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