





RoHS Verification Assessment Report

Product	Ethernet Switch					
Name, address and contact person of the applicant:	KG AUTO CO., LTD. 45, Sojeongsandan 4-ro, Sojeong-myeon, Sejong-si, Republic of Korea					
Name and address of the manufacturer:	KG AUTO CO., LTD. 45, Sojeongsandan 4-ro, Sojeong-myeon, Sejong-si, Republic of Korea					
Name and address of the factory:	KG AUTO CO., LTD. 45, Sojeongsandan 4-ro, Sojeong-myeon, Sejong-si, Republic of Korea					
Trade mark:	-					
Model :	SES-05					
Series Model :	SES-08					
Serial no.:	-					
Test sample received (date) :	Nov. 01, 2022					
Results of testing	Tested product is ascertained that the commodity complies with RoHS Directive (EU) 2015/863 amending 2011/65/EU.					
Tested according to:	IEC 62321 Series					
Directive	RoHS Directive (EU) 2015/863 amending Annex II to Directive 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment					
Additional Information	The test results are only applied to the submitted sample.					
Name and address of the test laboratory	SEL Incorporated Association Dongtan BIZ Tower #1007 63-12, Dongtancheomdansaneop 1-ro Hwaseong-si, Gyeonggi-do Republic of Korea	Telephone : (+82)1644-5955 Fax : (+82)31-8055-7449				
Tested by	 <table border="1"> <tr> <td>Signature</td> <td>Date</td> </tr> <tr> <td>Deul Lye Min</td> <td>2022-11-01 ~ 2022-11-22</td> </tr> </table>		Signature	Date	Deul Lye Min	2022-11-01 ~ 2022-11-22
Signature	Date					
Deul Lye Min	2022-11-01 ~ 2022-11-22					
Reviewed by	 <table border="1"> <tr> <td>Signature</td> <td>Date</td> </tr> <tr> <td>Do Weon Lee / Lab Manager</td> <td>2022-11-22</td> </tr> </table>		Signature	Date	Do Weon Lee / Lab Manager	2022-11-22
Signature	Date					
Do Weon Lee / Lab Manager	2022-11-22					
Test Report No.: RE-P-221101-1-095	Date of Issue : Nov. 22, 2022					

SEL (SEL Incorporated Association)

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SUMMARY		
	<p>These test results are obtained from three main procedures :</p> <p>i) Screening by the ED-XRF</p> <p>ii) Determination (precision) : Lead, Cadmium and Mercury by ICP-OES Hexavalent Chromium by Colorimetric method and UV/Vis PBBs, PBDEs, DEHP, BBP, DBP and DIBP by GC/MS</p> <p>iii) Composite materials of IC, TR, chip resistor and chip capacitor : Chemical Test</p>	
GENERAL REMARKS		
	<ul style="list-style-type: none"> - This report applies only to the sample(s) tested. It is the manufacturer's responsibility to ensure that they have the additional production units of this product, which is manufactured with identical electrical and mechanical components. - Samples for phthalates analysis are at random from the intermediate and high risk material (e.g. polymers, plastics, rubbers etc.). - The following materials are not likely to contain phthalates : Metal (Copper alloy, Steel alloy, Aluminum alloy etc.), Glass, Liquid, Ceramic, Paper & Wood. 	
Abbreviation	ND : Not Detected, NA : Not Applicable, DL : Detection Limit	
Test Equipments	ED-XRF (SHIMADZU, EDX-LE) ICP-OES (VARIAN, VISTA PRO) UV/Vis (SHIMADZU, 1650PC) GC/MS (SHIMADZU, QP2010 Ultra)	



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1. Photo

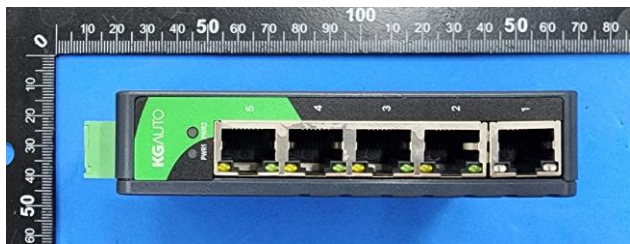
Ethernet Switch (SES-05)



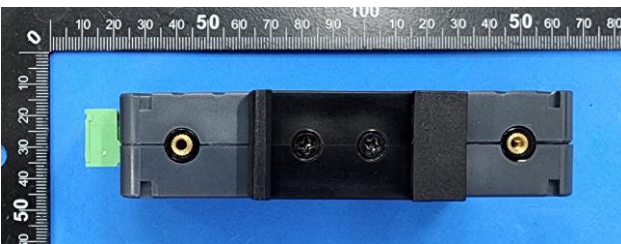
Upper



Bottom



Front



Rear



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Ethernet Switch (SES-08)



Upper



Bottom



Front



Rear



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2. PHOTO

1. Part 1 : Cover Ass'y

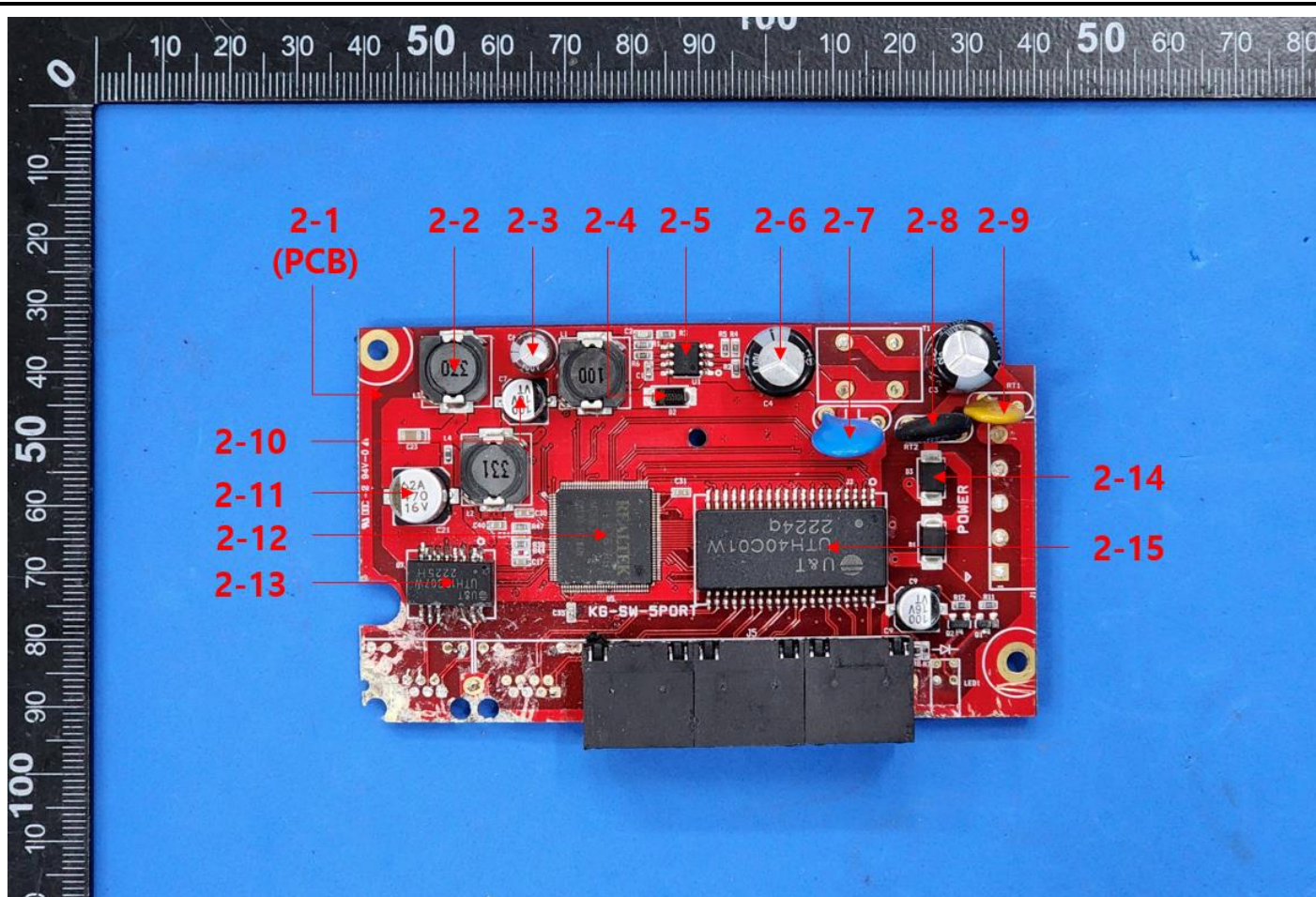


1-1	Cover Ass'y 1	1-8	Cover Ass'y 8
1-2	Cover Ass'y 2	1-9	Cover Ass'y 9
1-3	Cover Ass'y 3	1-10	Cover Ass'y 10
1-4	Cover Ass'y 4	1-11	Cover Ass'y 11
1-5	Cover Ass'y 5	1-12	Cover Ass'y 12
1-6	Cover Ass'y 6	1-13	Cover Ass'y 13
1-7	Cover Ass'y 7		End of Data



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2. Part 2 : Inner Ass'y

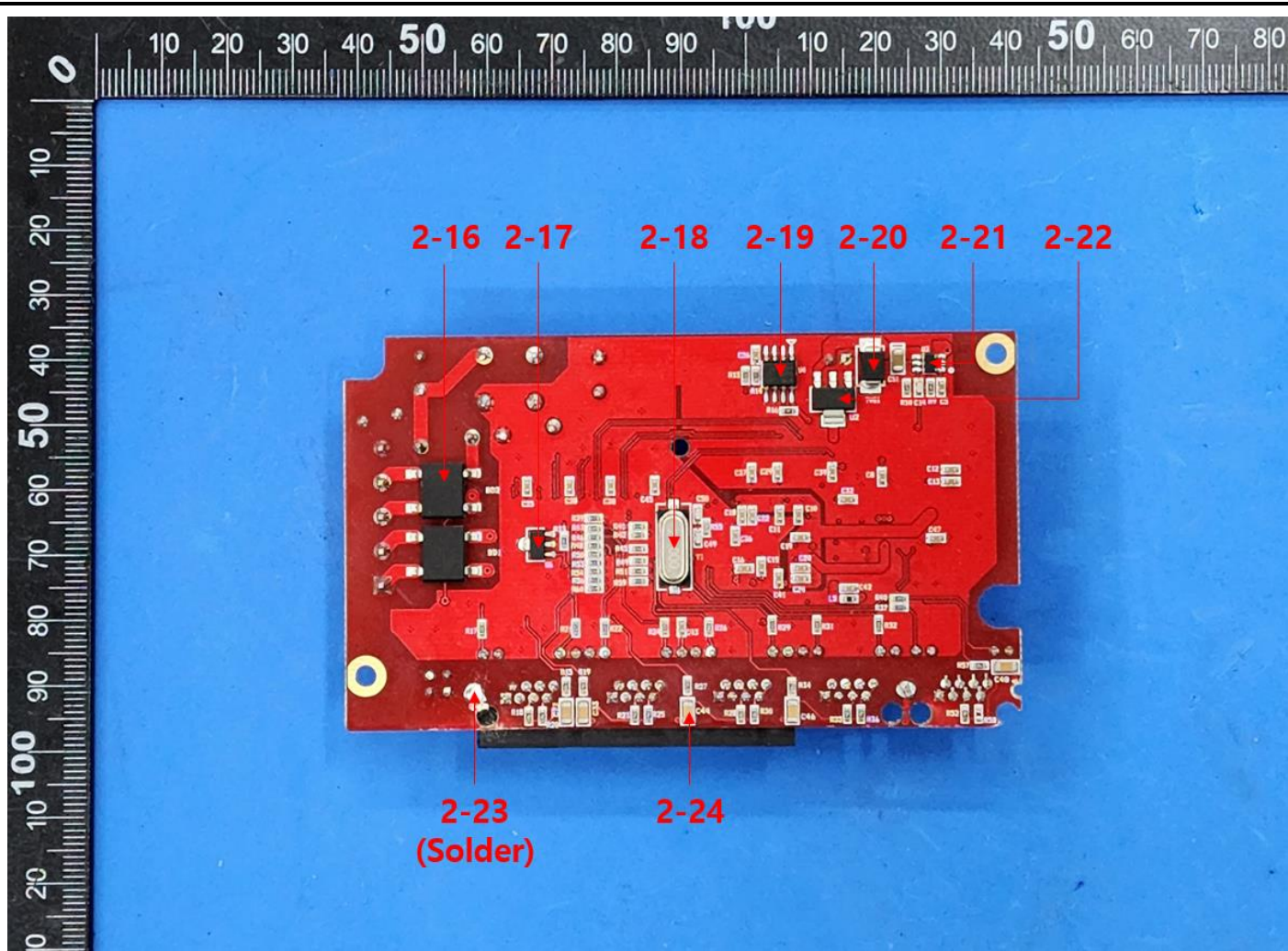


2-1	Inner Ass'y 1	2-9	Inner Ass'y 9
2-2	Inner Ass'y 2	2-10	Inner Ass'y 10
2-3	Inner Ass'y 3	2-11	Inner Ass'y 11
2-4	Inner Ass'y 4	2-12	Inner Ass'y 12
2-5	Inner Ass'y 5	2-13	Inner Ass'y 13
2-6	Inner Ass'y 6	2-14	Inner Ass'y 14
2-7	Inner Ass'y 7	2-15	Inner Ass'y 15
2-8	Inner Ass'y 8		Continuation of Data



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2. Part 2 : Inner Ass'y

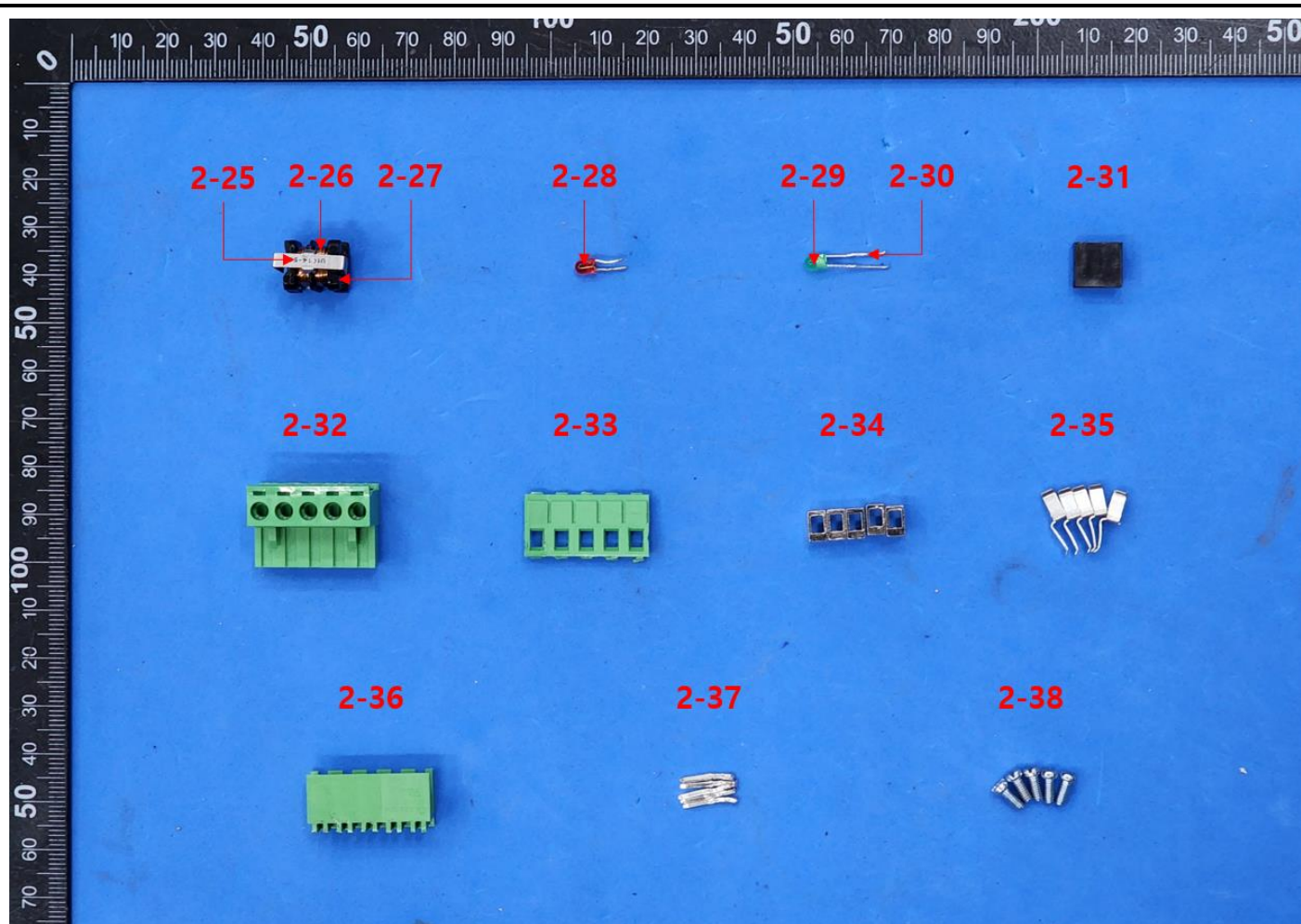


2-16	Inner Ass'y 16	2-21	Inner Ass'y 21
2-17	Inner Ass'y 17	2-22	Inner Ass'y 22
2-18	Inner Ass'y 18	2-23	Inner Ass'y 23
2-19	Inner Ass'y 19	2-24	Inner Ass'y 24
2-20	Inner Ass'y 20		Continuation of Data



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2. Part 2 : Inner Ass'y

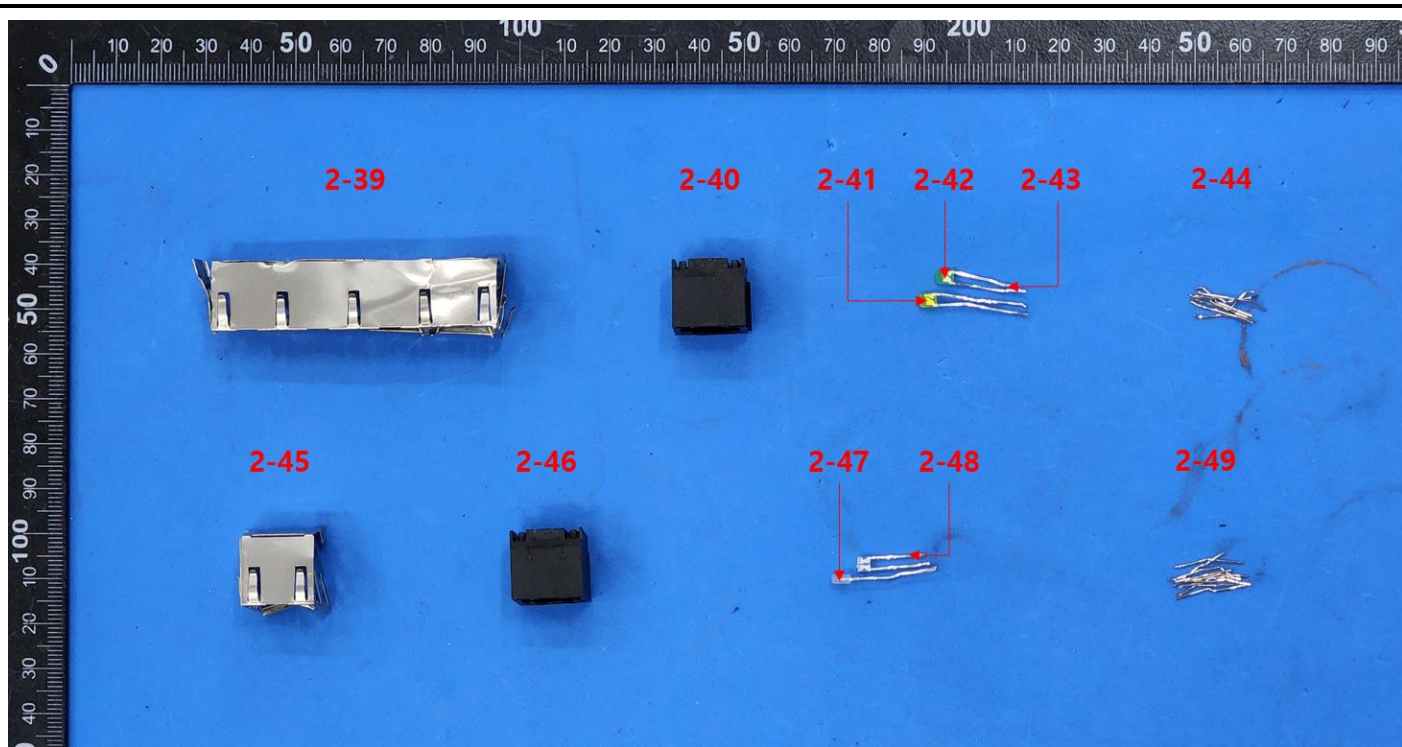


2-25	Inner Ass'y 25	2-32	Inner Ass'y 32
2-26	Inner Ass'y 26	2-33	Inner Ass'y 33
2-27	Inner Ass'y 27	2-34	Inner Ass'y 34
2-28	Inner Ass'y 28	2-35	Inner Ass'y 35
2-29	Inner Ass'y 29	2-36	Inner Ass'y 36
2-30	Inner Ass'y 30	2-37	Inner Ass'y 37
2-31	Inner Ass'y 31	2-38	Inner Ass'y 38



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2. Part 2 : Inner Ass'y

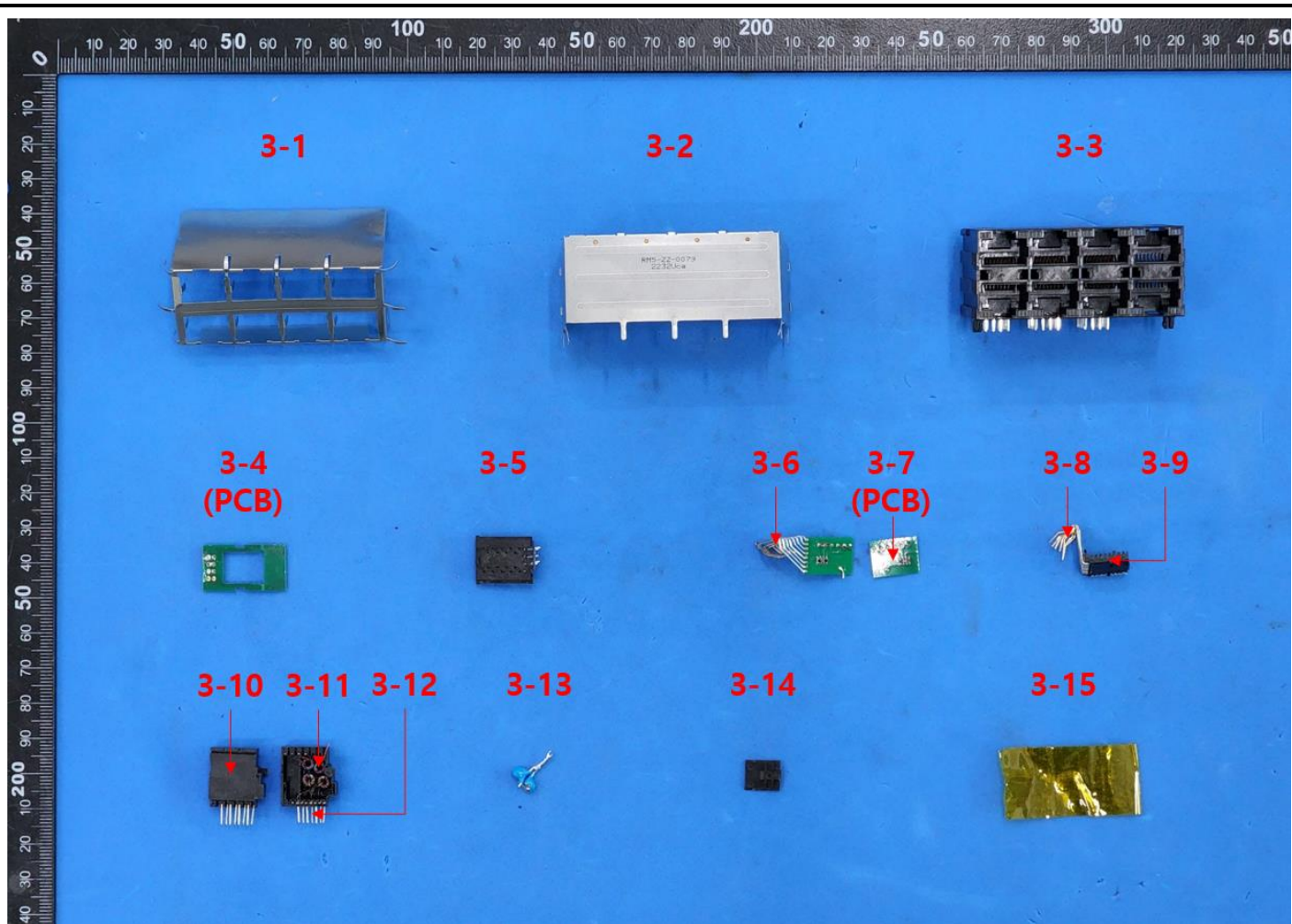


2-39	Inner Ass'y 39	2-45	Inner Ass'y 45
2-40	Inner Ass'y 40	2-46	Inner Ass'y 46
2-41	Inner Ass'y 41	2-47	Inner Ass'y 47
2-42	Inner Ass'y 42	2-48	Inner Ass'y 48
2-43	Inner Ass'y 43	2-49	Inner Ass'y 49
2-44	Inner Ass'y 44		End of Data



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3. Part 3 : Series Model Ass'y



3-1	Series Model Ass'y 1	3-9	Series Model Ass'y 9
3-2	Series Model Ass'y 2	3-10	Series Model Ass'y 10
3-3	Series Model Ass'y 3	3-11	Series Model Ass'y 11
3-4	Series Model Ass'y 4	3-12	Series Model Ass'y 12
3-5	Series Model Ass'y 5	3-13	Series Model Ass'y 13
3-6	Series Model Ass'y 6	3-14	Series Model Ass'y 14
3-7	Series Model Ass'y 7	3-15	Series Model Ass'y 15
3-8	Series Model Ass'y 8		End of Data



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3. ED-XRF Screening TEST

No.	Sample Name	Results					Results of Chemical Testing (mg/kg) / colorimetric method	Conclusion on RoHS
		Pb	Cd	Cr	Hg	Br		
1. Part 1 : Cover Ass'y								
1-1	Cover Ass'y 1	BL	BL	BL	BL	BL		PASS
1-2	Cover Ass'y 2	BL	BL	BL	BL	BL		PASS
1-3	Cover Ass'y 3	BL	BL	BL	BL	BL		PASS
1-4	Cover Ass'y 4	BL	BL	BL	BL	BL		PASS
1-5	Cover Ass'y 5	BL	BL	BL	BL	BL		PASS
*1-6	Cover Ass'y 6	OL	BL	BL	BL	NA	Pb : 3.89×10^4 (Exemption : Annex III 6(c))	PASS
1-7	Cover Ass'y 7	BL	BL	BL	BL	BL		PASS
1-8	Cover Ass'y 8	BL	BL	BL	BL	BL		PASS
1-9	Cover Ass'y 9	BL	BL	BL	BL	BL		PASS
*1-10	Cover Ass'y 10	BL	BL	IN	BL	NA	Cr ⁶⁺ : Negative	PASS
*1-11	Cover Ass'y 11	BL	BL	IN	BL	NA	Cr ⁶⁺ : Negative	PASS
*1-12	Cover Ass'y 12	BL	BL	IN	BL	NA	Cr ⁶⁺ : Negative	PASS
*1-13	Cover Ass'y 13	BL	BL	IN	BL	NA	Cr ⁶⁺ : Negative	PASS
2. Part 2 : Inner Ass'y								
*2-1	Inner Ass'y 1	BL	BL	BL	BL	IN	PBBs, PBDEs : ND	PASS
2-2	Inner Ass'y 2	BL	BL	BL	BL	BL		PASS
2-3	Inner Ass'y 3	BL	BL	BL	BL	BL		PASS
2-4	Inner Ass'y 4	BL	BL	BL	BL	BL		PASS
2-5	Inner Ass'y 5	BL	BL	BL	BL	BL		PASS
2-6	Inner Ass'y 6	BL	BL	BL	BL	BL		PASS
2-7	Inner Ass'y 7	BL	BL	BL	BL	BL		PASS
*2-8	Inner Ass'y 8	BL	BL	IN	BL	BL	Cr ⁶⁺ : ND	PASS
2-9	Inner Ass'y 9	BL	BL	BL	BL	BL		PASS
2-10	Inner Ass'y 10	BL	BL	BL	BL	BL		PASS
2-11	Inner Ass'y 11	BL	BL	BL	BL	BL		PASS

OL : Over Limit / BL : Below Limit / IN : Inconclusive / ND : Not Detected / NA : Not Applicable / * Chemical Test



RoHS Verification Assessment Report

No.	Sample Name	Results					Results of Chemical Testing (mg/kg) / colorimetric method	Conclusion on RoHS
		Pb	Cd	Cr	Hg	Br		
2-12	Inner Ass'y 12	BL	BL	BL	BL	BL		PASS
2-13	Inner Ass'y 13	BL	BL	BL	BL	BL		PASS
2-14	Inner Ass'y 14	BL	BL	BL	BL	BL		PASS
2-15	Inner Ass'y 15	BL	BL	BL	BL	BL		PASS
*2-16	Inner Ass'y 16	BL	BL	BL	BL	IN	PBBs, PBDEs : ND	PASS
2-17	Inner Ass'y 17	BL	BL	BL	BL	BL		PASS
2-18	Inner Ass'y 18	BL	BL	BL	BL	NA		PASS
2-19	Inner Ass'y 19	BL	BL	BL	BL	BL		PASS
2-20	Inner Ass'y 20	BL	BL	BL	BL	BL		PASS
2-21	Inner Ass'y 21	BL	BL	BL	BL	BL		PASS
2-22	Inner Ass'y 22	BL	BL	BL	BL	BL		PASS
2-23	Inner Ass'y 23	BL	BL	BL	BL	BL		PASS
*2-24	Inner Ass'y 24	BL	BL	BL	BL	IN	PBBs, PBDEs : ND	PASS
*2-25	Inner Ass'y 25	BL	BL	IN	BL	NA	Cr ⁶⁺ : Negative	PASS
2-26	Inner Ass'y 26	BL	BL	BL	BL	NA		PASS
2-27	Inner Ass'y 27	BL	BL	BL	BL	BL		PASS
2-28	Inner Ass'y 28	BL	BL	BL	BL	BL		PASS
*2-29	Inner Ass'y 29	BL	BL	BL	BL	IN	PBBs, PBDEs : ND	PASS
2-30	Inner Ass'y 30	BL	BL	BL	BL	NA		PASS
2-31	Inner Ass'y 31	BL	BL	BL	BL	BL		PASS
2-32	Inner Ass'y 32	BL	BL	BL	BL	BL		PASS
2-33	Inner Ass'y 33	BL	BL	BL	BL	BL		PASS
*2-34	Inner Ass'y 34	OL	BL	BL	BL	NA	Pb : 187.5	PASS
2-35	Inner Ass'y 35	BL	BL	BL	BL	NA		PASS
2-36	Inner Ass'y 36	BL	BL	BL	BL	BL		PASS
2-37	Inner Ass'y 37	BL	BL	BL	BL	NA		PASS
2-38	Inner Ass'y 38	BL	BL	BL	BL	NA		PASS

OL : Over Limit / BL : Below Limit / IN : Inconclusive / ND : Not Detected / NA : Not Applicable / * Chemical Test



RoHS Verification Assessment Report

No.	Sample Name	Results					Results of Chemical Testing (mg/kg) / colorimetric method	Conclusion on RoHS
		Pb	Cd	Cr	Hg	Br		
2-39	Inner Ass'y 39	BL	BL	BL	BL	NA		PASS
2-40	Inner Ass'y 40	BL	BL	BL	BL	BL		PASS
2-41	Inner Ass'y 41	BL	BL	BL	BL	BL		PASS
2-42	Inner Ass'y 42	BL	BL	BL	BL	BL		PASS
2-43	Inner Ass'y 43	BL	BL	BL	BL	NA		PASS
2-44	Inner Ass'y 44	BL	BL	BL	BL	BL		PASS
2-45	Inner Ass'y 45	BL	BL	BL	BL	BL		PASS
2-46	Inner Ass'y 46	BL	BL	BL	BL	BL		PASS
2-47	Inner Ass'y 47	BL	BL	BL	BL	BL		PASS
2-48	Inner Ass'y 48	BL	BL	BL	BL	NA		PASS
2-49	Inner Ass'y 49	BL	BL	BL	BL	NA		PASS
3. Part 3 : Series Model Ass'y								
*3-1	Series Model Ass'y 1	BL	BL	IN	BL	NA	Cr ⁶⁺ : Negative	PASS
*3-2	Series Model Ass'y 2	BL	BL	IN	BL	NA	Cr ⁶⁺ : Negative	PASS
*3-3	Series Model Ass'y 3	BL	BL	BL	BL	IN	PBBs, PBDEs : ND	PASS
*3-4	Series Model Ass'y 4	BL	BL	BL	BL	IN	PBBs, PBDEs : ND	PASS
*3-5	Series Model Ass'y 5	BL	BL	BL	BL	IN	PBBs, PBDEs : ND	PASS
3-6	Series Model Ass'y 6	BL	BL	BL	BL	NA		PASS
*3-7	Series Model Ass'y 7	BL	BL	BL	BL	IN	PBBs, PBDEs : ND	PASS
3-8	Series Model Ass'y 8	BL	BL	BL	BL	NA		PASS
*3-9	Series Model Ass'y 9	BL	BL	BL	BL	IN	PBBs, PBDEs : ND	PASS
*3-10	Series Model Ass'y 10	BL	BL	BL	BL	IN	PBBs, PBDEs : ND	PASS
3-11	Series Model Ass'y 11	BL	BL	BL	BL	BL		PASS
3-12	Series Model Ass'y 12	BL	BL	BL	BL	NA		PASS
3-13	Series Model Ass'y 13	BL	BL	BL	BL	BL		PASS
*3-14	Series Model Ass'y 14	BL	BL	BL	BL	IN	PBBs, PBDEs : ND	PASS
3-15	Series Model Ass'y 15	BL	BL	BL	BL	BL		PASS

OL : Over Limit / BL : Below Limit / IN : Inconclusive / ND : Not Detected / NA : Not Applicable / * Chemical Test

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Date of Issue : Nov. 22, 2022



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4. QUANTITATIVE Analysis of Phthalates

No.	Sample Name	Results of Chemical Testing (mg/kg)				Conclusion on RoHS
		DEHP	BBP	DBP	DIBP	
1. Part 1 : Cover Ass'y						
*1-1	Cover Ass'y 1	ND	ND	ND	ND	PASS
*1-5	Cover Ass'y 5	ND	ND	ND	ND	PASS
*1-7	Cover Ass'y 7	ND	ND	ND	ND	PASS
*1-8	Cover Ass'y 8	ND	ND	ND	ND	PASS
*1-9	Cover Ass'y 9	ND	ND	ND	ND	PASS
2. Part 2 : Inner Ass'y						
*2-1	Inner Ass'y 1	ND	ND	ND	ND	PASS
*2-6	Inner Ass'y 6	ND	ND	ND	ND	PASS
*2-31	Inner Ass'y 31	ND	ND	ND	ND	PASS
*2-33	Inner Ass'y 33	ND	ND	ND	ND	PASS
*2-40	Inner Ass'y 40	ND	ND	ND	ND	PASS
3. Part 3 : Series Model Ass'y						
*3-3	Series Model Ass'y 3	ND	ND	ND	ND	PASS
*3-14	Series Model Ass'y 14	ND	ND	ND	ND	PASS
*3-15	Series Model Ass'y 15	ND	ND	62	ND	PASS

ND : Not Detected / * Chemical Test / Detection Limit : Each of 50 mg/kg



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1) Remark

a) If the results of ED-XRF screening exceed the below warning value with reference to IEC 62321-3-1:2013, chemical testing is to be performed by ICP-OES (Cd, Pb, Hg), UV/Vis (Cr⁶⁺) and GC/MS (PBBs, PBDEs).

Element	Polymer	Metal	Composite Materials
Cd	X ≤ 67 (BL) 67 < X < 133 (IN) 133 ≤ X (OL)	X ≤ 67 (BL) 67 < X < 133 (IN) 133 ≤ X (OL)	X < LOD(7) (BL) 7 < X < 153 (IN) 153 ≤ X (OL)
Pb	X ≤ 697 (BL) 697 < X < 1303 (IN) 1303 ≤ X (OL)	X ≤ 697 (BL) 697 < X < 1303 (IN) 1303 ≤ X (OL)	X ≤ 497 (BL) 497 < X < 1503 (IN) 1503 ≤ X (OL)
Hg	X ≤ 697 (BL) 697 < X < 1303 (IN) 1303 ≤ X (OL)	X ≤ 697 (BL) 697 < X < 1303 (IN) 1303 ≤ X (OL)	X ≤ 497 (BL) 497 < X < 1503 (IN) 1503 ≤ X (OL)
Br	X ≤ 297 (BL) 297 < X (IN)	-	X ≤ 247 (BL) 247 < X (IN)
Cr	X ≤ 697 (BL) 697 < X (IN)	X ≤ 697 (BL) 697 < X (IN)	X ≤ 497 (BL) 497 < 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) According to IEC 62321-7-1:2015, result of Cr⁶⁺ for metal sample is shown as Positive or Negative.

- Negative : Absence of Cr⁶⁺ coating
- Positive : Presence of Cr⁶⁺ coating

According to IEC 62321-7-2:2017

(Determination of hexavalent chromium in polymers and electronics by the colorimetric method)

e) This product contains the following exemption item.

- Annex III 6(c) : Copper alloy containing up to 4 % lead by weight

f) Commission Delegated Directive (EU) 2015/863 of 31 March 2015 amending Annex II to Directive 2011/65/EU of the European Parliament and of the Council as regards the list of restricted substances.

g) Chemical test results of phthalates are obtained by GC/MS in regulated substances according to IEC 62321-8:2017.

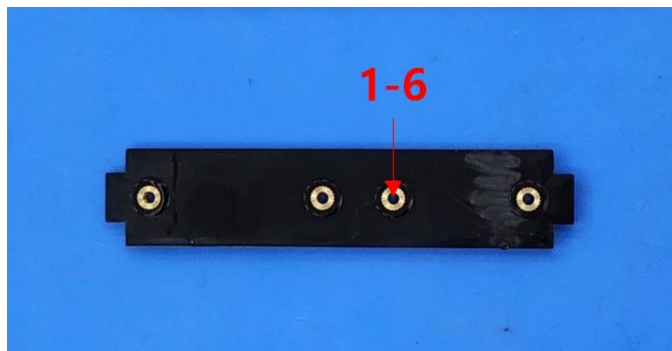


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5. Chemical Test Results

1-6) Cover Ass'y 6

Heavy Metals				
Test Items	Test Results	Detection Limit	Unit	Test Methods
Pb	3.89 x 10 ⁴	2.0	mg/kg	IEC 62321-5
Cd	NA	2.0	mg/kg	IEC 62321-5
Hg	NA	5.0	mg/kg	IEC 62321-4
Cr ⁶⁺	NA	0.10	µg/cm ²	IEC 62321-7-1
Flame Retardants				
Test Items		Test Results (mg/kg)	Detection Limit (mg/kg)	Test Methods
PBBs	Bromobiphenyl	NA	20.0	IEC 62321-6
	Dibromobiphenyl	NA	20.0	
	Tribromobiphenyl	NA	20.0	
	Tetrabromobiphenyl	NA	20.0	
	Pentabromobiphenyl	NA	20.0	
	Hexabromobiphenyl	NA	20.0	
	Heptabromodiphenyl	NA	20.0	
	Octabromobiphenyl	NA	20.0	
	Nonabromobiphenyl	NA	20.0	
	Decabromobiphenyl	NA	20.0	
PBDEs	Bromodiphenyl ether	NA	20.0	IEC 62321-6
	Dibromodiphenyl ether	NA	20.0	
	Tribromodiphenyl ether	NA	20.0	
	Tetrabromodiphenyl ether	NA	20.0	
	Pentabromodiphenyl ether	NA	20.0	
	Hexabromodiphenyl ether	NA	20.0	
	Heptabromodiphenyl ether	NA	20.0	
	Octabromodiphenyl ether	NA	20.0	
	Nonabromodiphenyl ether	NA	20.0	
	Decabromodiphenyl ether	NA	20.0	



NA : Not Applicable

Annex III 6(c) : Copper alloy containing up to 4 % lead by weight

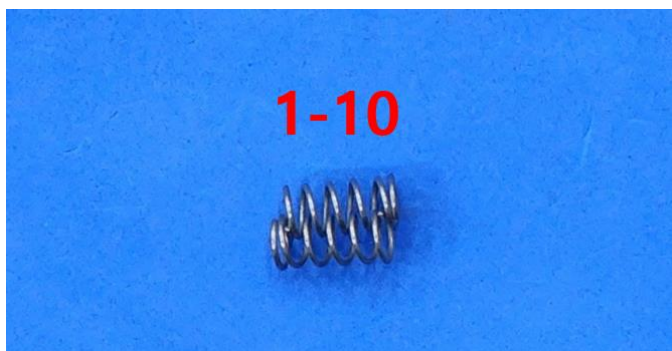


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1-10) Cover Ass'y 10

Heavy Metals				
Test Items	Test Results	Detection Limit	Unit	Test Methods
Pb	NA	2.0	mg/kg	IEC 62321-5
Cd	NA	2.0	mg/kg	IEC 62321-5
Hg	NA	5.0	mg/kg	IEC 62321-4
Cr ⁶⁺	Negative	0.10	µg/cm ²	IEC 62321-7-1

Flame Retardants			
Test Items	Test Results (mg/kg)	Detection Limit (mg/kg)	Test Methods
PBBs	Bromobiphenyl	NA	20.0
	Dibromobiphenyl	NA	20.0
	Tribromobiphenyl	NA	20.0
	Tetrabromobiphenyl	NA	20.0
	Pentabromobiphenyl	NA	20.0
	Hexabromobiphenyl	NA	20.0
	Heptabromodiphenyl	NA	20.0
	Octabromobiphenyl	NA	20.0
	Nonabromobiphenyl	NA	20.0
	Decabromobiphenyl	NA	20.0
PBDEs	Bromodiphenyl ether	NA	20.0
	Dibromodiphenyl ether	NA	20.0
	Tribromodiphenyl ether	NA	20.0
	Tetrabromodiphenyl ether	NA	20.0
	Pentabromodiphenyl ether	NA	20.0
	Hexabromodiphenyl ether	NA	20.0
	Heptabromodiphenyl ether	NA	20.0
	Octabromodiphenyl ether	NA	20.0
	Nonabromodiphenyl ether	NA	20.0
	Decabromodiphenyl ether	NA	20.0



NA : Not Applicable / Cr⁶⁺ : Negative (< 0.10 µg/cm²), Inconclusive (0.10 ~ 0.13 µg/cm²), Positive (> 0.13 µg/cm²)



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1-11) Cover Ass'y 11

Heavy Metals				
Test Items	Test Results	Detection Limit	Unit	Test Methods
Pb	NA	2.0	mg/kg	IEC 62321-5
Cd	NA	2.0	mg/kg	IEC 62321-5
Hg	NA	5.0	mg/kg	IEC 62321-4
Cr ⁶⁺	Negative	0.10	µg/cm ²	IEC 62321-7-1

Flame Retardants				
Test Items		Test Results (mg/kg)	Detection Limit (mg/kg)	Test Methods
PBBs	Bromobiphenyl	NA	20.0	IEC 62321-6
	Dibromobiphenyl	NA	20.0	
	Tribromobiphenyl	NA	20.0	
	Tetrabromobiphenyl	NA	20.0	
	Pentabromobiphenyl	NA	20.0	
	Hexabromobiphenyl	NA	20.0	
	Heptabromodiphenyl	NA	20.0	
	Octabromobiphenyl	NA	20.0	
	Nonabromobiphenyl	NA	20.0	
	Decabromobiphenyl	NA	20.0	
PBDEs	Bromodiphenyl ether	NA	20.0	IEC 62321-6
	Dibromodiphenyl ether	NA	20.0	
	Tribromodiphenyl ether	NA	20.0	
	Tetrabromodiphenyl ether	NA	20.0	
	Pentabromodiphenyl ether	NA	20.0	
	Hexabromodiphenyl ether	NA	20.0	
	Heptabromodiphenyl ether	NA	20.0	
	Octabromodiphenyl ether	NA	20.0	
	Nonabromodiphenyl ether	NA	20.0	
	Decabromodiphenyl ether	NA	20.0	



NA : Not Applicable / Cr⁶⁺ : Negative (< 0.10 µg/cm²), Inconclusive (0.10 ~ 0.13 µg/cm²), Positive (> 0.13 µg/cm²)



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1-12) Cover Ass'y 12

Heavy Metals				
Test Items	Test Results	Detection Limit	Unit	Test Methods
Pb	NA	2.0	mg/kg	IEC 62321-5
Cd	NA	2.0	mg/kg	IEC 62321-5
Hg	NA	5.0	mg/kg	IEC 62321-4
Cr ⁶⁺	Negative	0.10	µg/cm ²	IEC 62321-7-1

Flame Retardants				
Test Items		Test Results (mg/kg)	Detection Limit (mg/kg)	Test Methods
PBBs	Bromobiphenyl	NA	20.0	IEC 62321-6
	Dibromobiphenyl	NA	20.0	
	Tribromobiphenyl	NA	20.0	
	Tetrabromobiphenyl	NA	20.0	
	Pentabromobiphenyl	NA	20.0	
	Hexabromobiphenyl	NA	20.0	
	Heptabromodiphenyl	NA	20.0	
	Octabromobiphenyl	NA	20.0	
	Nonabromobiphenyl	NA	20.0	
	Decabromobiphenyl	NA	20.0	
PBDEs	Bromodiphenyl ether	NA	20.0	IEC 62321-6
	Dibromodiphenyl ether	NA	20.0	
	Tribromodiphenyl ether	NA	20.0	
	Tetrabromodiphenyl ether	NA	20.0	
	Pentabromodiphenyl ether	NA	20.0	
	Hexabromodiphenyl ether	NA	20.0	
	Heptabromodiphenyl ether	NA	20.0	
	Octabromodiphenyl ether	NA	20.0	
	Nonabromodiphenyl ether	NA	20.0	
	Decabromodiphenyl ether	NA	20.0	



NA : Not Applicable / Cr⁶⁺ : Negative (< 0.10 µg/cm²), Inconclusive (0.10 ~ 0.13 µg/cm²), Positive (> 0.13 µg/cm²)



RoHS Verification Assessment Report

1-13) Cover Ass'y 13

Heavy Metals				
Test Items	Test Results	Detection Limit	Unit	Test Methods
Pb	NA	2.0	mg/kg	IEC 62321-5
Cd	NA	2.0	mg/kg	IEC 62321-5
Hg	NA	5.0	mg/kg	IEC 62321-4
Cr ⁶⁺	Negative	0.10	µg/cm ²	IEC 62321-7-1

1-13

Flame Retardants				
Test Items		Test Results (mg/kg)	Detection Limit (mg/kg)	Test Methods
PBBs	Bromobiphenyl	NA	20.0	IEC 62321-6
	Dibromobiphenyl	NA	20.0	
	Tribromobiphenyl	NA	20.0	
	Tetrabromobiphenyl	NA	20.0	
	Pentabromobiphenyl	NA	20.0	
	Hexabromobiphenyl	NA	20.0	
	Heptabromodiphenyl	NA	20.0	
	Octabromobiphenyl	NA	20.0	
	Nonabromobiphenyl	NA	20.0	
	Decabromobiphenyl	NA	20.0	
PBDEs	Bromodiphenyl ether	NA	20.0	IEC 62321-6
	Dibromodiphenyl ether	NA	20.0	
	Tribromodiphenyl ether	NA	20.0	
	Tetrabromodiphenyl ether	NA	20.0	
	Pentabromodiphenyl ether	NA	20.0	
	Hexabromodiphenyl ether	NA	20.0	
	Heptabromodiphenyl ether	NA	20.0	
	Octabromodiphenyl ether	NA	20.0	
	Nonabromodiphenyl ether	NA	20.0	
	Decabromodiphenyl ether	NA	20.0	

NA : Not Applicable / Cr⁶⁺ : Negative (< 0.10 µg/cm²), Inconclusive (0.10 ~ 0.13 µg/cm²), Positive (> 0.13 µg/cm²)

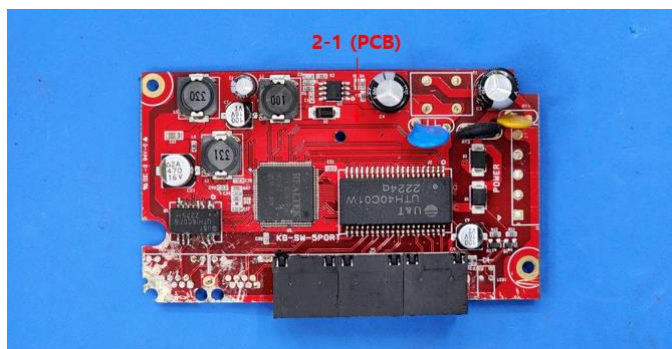


RoHS Verification Assessment Report

2-1) Inner Ass'y 1

Heavy Metals			
Test Items	Test Results (mg/kg)	Detection Limit (mg/kg)	Test Methods
Pb	NA	2.0	IEC 62321-5
Cd	NA	2.0	IEC 62321-5
Hg	NA	5.0	IEC 62321-4
Cr ⁶⁺	NA	8.0	IEC 62321-7-2

Flame Retardants				
	Test Items	Test Results (mg/kg)	Detection Limit (mg/kg)	Test Methods
PBBs	Bromobiphenyl	ND	20.0	IEC 62321-6
	Dibromobiphenyl	ND	20.0	
	Tribromobiphenyl	ND	20.0	
	Tetrabromobiphenyl	ND	20.0	
	Pentabromobiphenyl	ND	20.0	
	Hexabromobiphenyl	ND	20.0	
	Heptabromodiphenyl	ND	20.0	
	Octabromobiphenyl	ND	20.0	
	Nonabromobiphenyl	ND	20.0	
	Decabromobiphenyl	ND	20.0	
PBDEs	Bromodiphenyl ether	ND	20.0	
	Dibromodiphenyl ether	ND	20.0	
	Tribromodiphenyl ether	ND	20.0	
	Tetrabromodiphenyl ether	ND	20.0	
	Pentabromodiphenyl ether	ND	20.0	
	Hexabromodiphenyl ether	ND	20.0	
	Heptabromodiphenyl ether	ND	20.0	
	Octabromodiphenyl ether	ND	20.0	
	Nonabromodiphenyl ether	ND	20.0	
	Decabromodiphenyl ether	ND	20.0	



ND : Not Detected / NA : Not Applicable

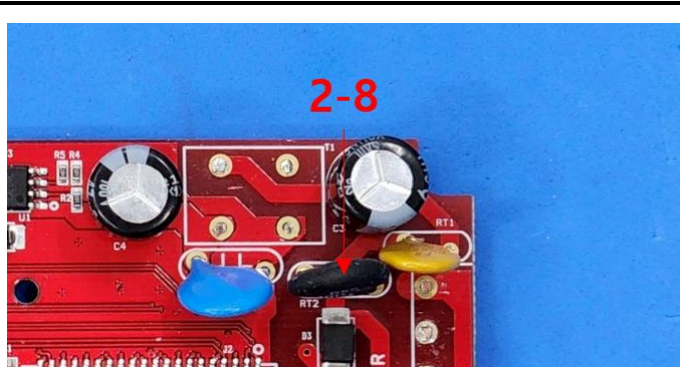


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2-8) Inner Ass'y 8

Heavy Metals			
Test Items	Test Results (mg/kg)	Detection Limit (mg/kg)	Test Methods
Pb	NA	2.0	IEC 62321-5
Cd	NA	2.0	IEC 62321-5
Hg	NA	5.0	IEC 62321-4
Cr ⁶⁺	ND	8.0	IEC 62321-7-2

Flame Retardants			
Test Items	Test Results (mg/kg)	Detection Limit (mg/kg)	Test Methods
PBBs	Bromobiphenyl	NA	20.0
	Dibromobiphenyl	NA	20.0
	Tribromobiphenyl	NA	20.0
	Tetrabromobiphenyl	NA	20.0
	Pentabromobiphenyl	NA	20.0
	Hexabromobiphenyl	NA	20.0
	Heptabromodiphenyl	NA	20.0
	Octabromobiphenyl	NA	20.0
	Nonabromobiphenyl	NA	20.0
	Decabromobiphenyl	NA	20.0
PBDEs	Bromodiphenyl ether	NA	20.0
	Dibromodiphenyl ether	NA	20.0
	Tribromodiphenyl ether	NA	20.0
	Tetrabromodiphenyl ether	NA	20.0
	Pentabromodiphenyl ether	NA	20.0
	Hexabromodiphenyl ether	NA	20.0
	Heptabromodiphenyl ether	NA	20.0
	Octabromodiphenyl ether	NA	20.0
	Nonabromodiphenyl ether	NA	20.0
	Decabromodiphenyl ether	NA	20.0



ND : Not Detected / NA : Not Applicable



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2-16) Inner Ass'y 16

Heavy Metals			
Test Items	Test Results (mg/kg)	Detection Limit (mg/kg)	Test Methods
Pb	NA	2.0	IEC 62321-5
Cd	NA	2.0	IEC 62321-5
Hg	NA	5.0	IEC 62321-4
Cr ⁶⁺	NA	8.0	IEC 62321-7-2

Flame Retardants			
Test Items	Test Results (mg/kg)	Detection Limit (mg/kg)	Test Methods
PBBs	Bromobiphenyl	ND	20.0
	Dibromobiphenyl	ND	20.0
	Tribromobiphenyl	ND	20.0
	Tetrabromobiphenyl	ND	20.0
	Pentabromobiphenyl	ND	20.0
	Hexabromobiphenyl	ND	20.0
	Heptabromodiphenyl	ND	20.0
	Octabromobiphenyl	ND	20.0
	Nonabromobiphenyl	ND	20.0
	Decabromobiphenyl	ND	20.0
PBDEs	Bromodiphenyl ether	ND	20.0
	Dibromodiphenyl ether	ND	20.0
	Tribromodiphenyl ether	ND	20.0
	Tetrabromodiphenyl ether	ND	20.0
	Pentabromodiphenyl ether	ND	20.0
	Hexabromodiphenyl ether	ND	20.0
	Heptabromodiphenyl ether	ND	20.0
	Octabromodiphenyl ether	ND	20.0
	Nonabromodiphenyl ether	ND	20.0
	Decabromodiphenyl ether	ND	20.0



ND : Not Detected / NA : Not Applicable

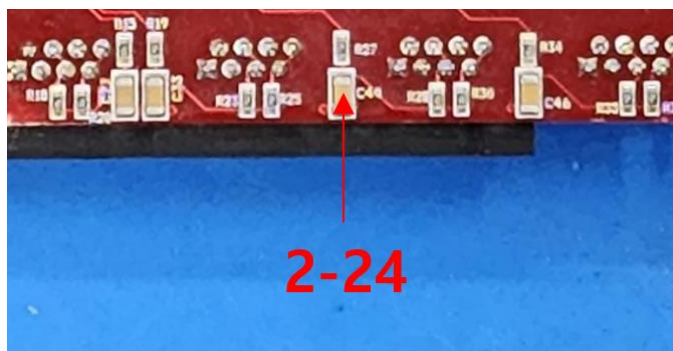


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2-24) Inner Ass'y 24

Heavy Metals			
Test Items	Test Results (mg/kg)	Detection Limit (mg/kg)	Test Methods
Pb	NA	2.0	IEC 62321-5
Cd	NA	2.0	IEC 62321-5
Hg	NA	5.0	IEC 62321-4
Cr ⁶⁺	NA	8.0	IEC 62321-7-2

Flame Retardants			
Test Items	Test Results (mg/kg)	Detection Limit (mg/kg)	Test Methods
PBBs	Bromobiphenyl	ND	20.0
	Dibromobiphenyl	ND	20.0
	Tribromobiphenyl	ND	20.0
	Tetrabromobiphenyl	ND	20.0
	Pentabromobiphenyl	ND	20.0
	Hexabromobiphenyl	ND	20.0
	Heptabromodiphenyl	ND	20.0
	Octabromobiphenyl	ND	20.0
	Nonabromobiphenyl	ND	20.0
	Decabromobiphenyl	ND	20.0
PBDEs	Bromodiphenyl ether	ND	20.0
	Dibromodiphenyl ether	ND	20.0
	Tribromodiphenyl ether	ND	20.0
	Tetrabromodiphenyl ether	ND	20.0
	Pentabromodiphenyl ether	ND	20.0
	Hexabromodiphenyl ether	ND	20.0
	Heptabromodiphenyl ether	ND	20.0
	Octabromodiphenyl ether	ND	20.0
	Nonabromodiphenyl ether	ND	20.0
	Decabromodiphenyl ether	ND	20.0



ND : Not Detected / NA : Not Applicable



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2-25) Inner Ass'y 25

Heavy Metals				
Test Items	Test Results	Detection Limit	Unit	Test Methods
Pb	NA	2.0	mg/kg	IEC 62321-5
Cd	NA	2.0	mg/kg	IEC 62321-5
Hg	NA	5.0	mg/kg	IEC 62321-4
Cr ⁶⁺	Negative	0.10	µg/cm ²	IEC 62321-7-1

Flame Retardants				
Test Items		Test Results (mg/kg)	Detection Limit (mg/kg)	Test Methods
PBBs	Bromobiphenyl	NA	20.0	IEC 62321-6
	Dibromobiphenyl	NA	20.0	
	Tribromobiphenyl	NA	20.0	
	Tetrabromobiphenyl	NA	20.0	
	Pentabromobiphenyl	NA	20.0	
	Hexabromobiphenyl	NA	20.0	
	Heptabromodiphenyl	NA	20.0	
	Octabromobiphenyl	NA	20.0	
	Nonabromobiphenyl	NA	20.0	
	Decabromobiphenyl	NA	20.0	
PBDEs	Bromodiphenyl ether	NA	20.0	IEC 62321-6
	Dibromodiphenyl ether	NA	20.0	
	Tribromodiphenyl ether	NA	20.0	
	Tetrabromodiphenyl ether	NA	20.0	
	Pentabromodiphenyl ether	NA	20.0	
	Hexabromodiphenyl ether	NA	20.0	
	Heptabromodiphenyl ether	NA	20.0	
	Octabromodiphenyl ether	NA	20.0	
	Nonabromodiphenyl ether	NA	20.0	
	Decabromodiphenyl ether	NA	20.0	

NA : Not Applicable / Cr⁶⁺ : Negative (< 0.10 µg/cm²), Inconclusive (0.10 ~ 0.13 µg/cm²), Positive (> 0.13 µg/cm²)

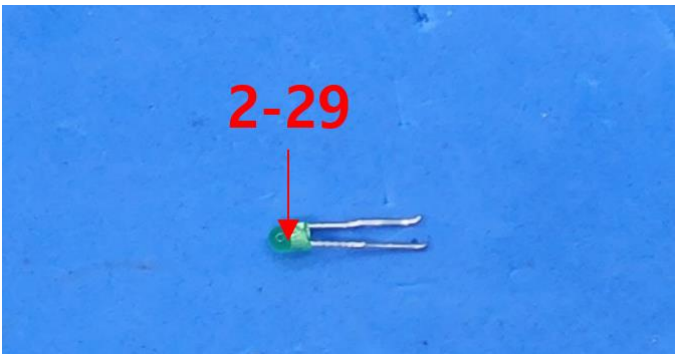


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2-29) Inner Ass'y 29

Heavy Metals			
Test Items	Test Results (mg/kg)	Detection Limit (mg/kg)	Test Methods
Pb	NA	2.0	IEC 62321-5
Cd	NA	2.0	IEC 62321-5
Hg	NA	5.0	IEC 62321-4
Cr ⁶⁺	NA	8.0	IEC 62321-7-2

Flame Retardants			
Test Items	Test Results (mg/kg)	Detection Limit (mg/kg)	Test Methods
PBBs	Bromobiphenyl	ND	20.0
	Dibromobiphenyl	ND	20.0
	Tribromobiphenyl	ND	20.0
	Tetrabromobiphenyl	ND	20.0
	Pentabromobiphenyl	ND	20.0
	Hexabromobiphenyl	ND	20.0
	Heptabromodiphenyl	ND	20.0
	Octabromobiphenyl	ND	20.0
	Nonabromobiphenyl	ND	20.0
	Decabromobiphenyl	ND	20.0
PBDEs	Bromodiphenyl ether	ND	20.0
	Dibromodiphenyl ether	ND	20.0
	Tribromodiphenyl ether	ND	20.0
	Tetrabromodiphenyl ether	ND	20.0
	Pentabromodiphenyl ether	ND	20.0
	Hexabromodiphenyl ether	ND	20.0
	Heptabromodiphenyl ether	ND	20.0
	Octabromodiphenyl ether	ND	20.0
	Nonabromodiphenyl ether	ND	20.0
	Decabromodiphenyl ether	ND	20.0



ND : Not Detected / NA : Not Applicable



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2-34) Inner Ass'y 34

Heavy Metals				
Test Items	Test Results	Detection Limit	Unit	Test Methods
Pb	187.5	2.0	mg/kg	IEC 62321-5
Cd	NA	2.0	mg/kg	IEC 62321-5
Hg	NA	5.0	mg/kg	IEC 62321-4
Cr ⁶⁺	NA	0.10	µg/cm ²	IEC 62321-7-1

Flame Retardants				
Test Items		Test Results (mg/kg)	Detection Limit (mg/kg)	Test Methods
PBBs	Bromobiphenyl	NA	20.0	IEC 62321-6
	Dibromobiphenyl	NA	20.0	
	Tribromobiphenyl	NA	20.0	
	Tetrabromobiphenyl	NA	20.0	
	Pentabromobiphenyl	NA	20.0	
	Hexabromobiphenyl	NA	20.0	
	Heptabromodiphenyl	NA	20.0	
	Octabromobiphenyl	NA	20.0	
	Nonabromobiphenyl	NA	20.0	
	Decabromobiphenyl	NA	20.0	
PBDEs	Bromodiphenyl ether	NA	20.0	IEC 62321-6
	Dibromodiphenyl ether	NA	20.0	
	Tribromodiphenyl ether	NA	20.0	
	Tetrabromodiphenyl ether	NA	20.0	
	Pentabromodiphenyl ether	NA	20.0	
	Hexabromodiphenyl ether	NA	20.0	
	Heptabromodiphenyl ether	NA	20.0	
	Octabromodiphenyl ether	NA	20.0	
	Nonabromodiphenyl ether	NA	20.0	
	Decabromodiphenyl ether	NA	20.0	



NA : Not Applicable



RoHS Verification Assessment Report

3-1) Series Model Ass'y 1

Heavy Metals				
Test Items	Test Results	Detection Limit	Unit	Test Methods
Pb	NA	2.0	mg/kg	IEC 62321-5
Cd	NA	2.0	mg/kg	IEC 62321-5
Hg	NA	5.0	mg/kg	IEC 62321-4
Cr ⁶⁺	Negative	0.10	µg/cm ²	IEC 62321-7-1

3-1

Flame Retardants				
Test Items		Test Results (mg/kg)	Detection Limit (mg/kg)	Test Methods
PBBs	Bromobiphenyl	NA	20.0	IEC 62321-6
	Dibromobiphenyl	NA	20.0	
	Tribromobiphenyl	NA	20.0	
	Tetrabromobiphenyl	NA	20.0	
	Pentabromobiphenyl	NA	20.0	
	Hexabromobiphenyl	NA	20.0	
	Heptabromodiphenyl	NA	20.0	
	Octabromobiphenyl	NA	20.0	
	Nonabromobiphenyl	NA	20.0	
	Decabromobiphenyl	NA	20.0	
PBDEs	Bromodiphenyl ether	NA	20.0	IEC 62321-6
	Dibromodiphenyl ether	NA	20.0	
	Tribromodiphenyl ether	NA	20.0	
	Tetrabromodiphenyl ether	NA	20.0	
	Pentabromodiphenyl ether	NA	20.0	
	Hexabromodiphenyl ether	NA	20.0	
	Heptabromodiphenyl ether	NA	20.0	
	Octabromodiphenyl ether	NA	20.0	
	Nonabromodiphenyl ether	NA	20.0	
	Decabromodiphenyl ether	NA	20.0	


NA : Not Applicable / Cr⁶⁺ : Negative (< 0.10 µg/cm²), Inconclusive (0.10 ~ 0.13 µg/cm²), Positive (> 0.13 µg/cm²)



RoHS Verification Assessment Report

3-2) Series Model Ass'y 2

Heavy Metals				
Test Items	Test Results	Detection Limit	Unit	Test Methods
Pb	NA	2.0	mg/kg	IEC 62321-5
Cd	NA	2.0	mg/kg	IEC 62321-5
Hg	NA	5.0	mg/kg	IEC 62321-4
Cr ⁶⁺	Negative	0.10	µg/cm ²	IEC 62321-7-1



Flame Retardants				
Test Items		Test Results (mg/kg)	Detection Limit (mg/kg)	Test Methods
PBBs	Bromobiphenyl	NA	20.0	IEC 62321-6
	Dibromobiphenyl	NA	20.0	
	Tribromobiphenyl	NA	20.0	
	Tetrabromobiphenyl	NA	20.0	
	Pentabromobiphenyl	NA	20.0	
	Hexabromobiphenyl	NA	20.0	
	Heptabromodiphenyl	NA	20.0	
	Octabromobiphenyl	NA	20.0	
	Nonabromobiphenyl	NA	20.0	
	Decabromobiphenyl	NA	20.0	
PBDEs	Bromodiphenyl ether	NA	20.0	
	Dibromodiphenyl ether	NA	20.0	
	Tribromodiphenyl ether	NA	20.0	
	Tetrabromodiphenyl ether	NA	20.0	
	Pentabromodiphenyl ether	NA	20.0	
	Hexabromodiphenyl ether	NA	20.0	
	Heptabromodiphenyl ether	NA	20.0	
	Octabromodiphenyl ether	NA	20.0	
	Nonabromodiphenyl ether	NA	20.0	
	Decabromodiphenyl ether	NA	20.0	

NA : Not Applicable / Cr⁶⁺ : Negative (< 0.10 µg/cm²), Inconclusive (0.10 ~ 0.13 µg/cm²), Positive (> 0.13 µg/cm²)

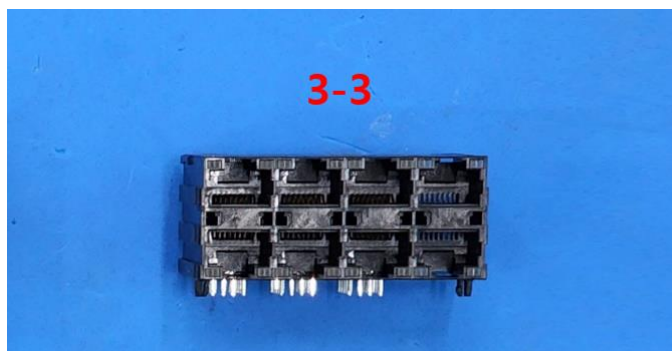


RoHS Verification Assessment Report

3-3) Series Model Ass'y 3

Heavy Metals			
Test Items	Test Results (mg/kg)	Detection Limit (mg/kg)	Test Methods
Pb	NA	2.0	IEC 62321-5
Cd	NA	2.0	IEC 62321-5
Hg	NA	5.0	IEC 62321-4
Cr ⁶⁺	NA	8.0	IEC 62321-7-2

Flame Retardants				
	Test Items	Test Results (mg/kg)	Detection Limit (mg/kg)	Test Methods
PBBs	Bromobiphenyl	ND	20.0	IEC 62321-6
	Dibromobiphenyl	ND	20.0	
	Tribromobiphenyl	ND	20.0	
	Tetrabromobiphenyl	ND	20.0	
	Pentabromobiphenyl	ND	20.0	
	Hexabromobiphenyl	ND	20.0	
	Heptabromodiphenyl	ND	20.0	
	Octabromobiphenyl	ND	20.0	
	Nonabromobiphenyl	ND	20.0	
	Decabromobiphenyl	ND	20.0	
PBDEs	Bromodiphenyl ether	ND	20.0	
	Dibromodiphenyl ether	ND	20.0	
	Tribromodiphenyl ether	ND	20.0	
	Tetrabromodiphenyl ether	ND	20.0	
	Pentabromodiphenyl ether	ND	20.0	
	Hexabromodiphenyl ether	ND	20.0	
	Heptabromodiphenyl ether	ND	20.0	
	Octabromodiphenyl ether	ND	20.0	
	Nonabromodiphenyl ether	ND	20.0	
	Decabromodiphenyl ether	ND	20.0	



ND : Not Detected / NA : Not Applicable

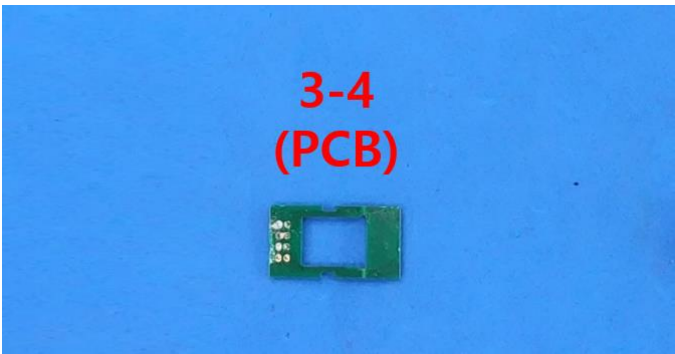


RoHS Verification Assessment Report

3-4) Series Model Ass'y 4

Heavy Metals			
Test Items	Test Results (mg/kg)	Detection Limit (mg/kg)	Test Methods
Pb	NA	2.0	IEC 62321-5
Cd	NA	2.0	IEC 62321-5
Hg	NA	5.0	IEC 62321-4
Cr ⁶⁺	NA	8.0	IEC 62321-7-2

Flame Retardants			
Test Items	Test Results (mg/kg)	Detection Limit (mg/kg)	Test Methods
PBBs	Bromobiphenyl	ND	20.0
	Dibromobiphenyl	ND	20.0
	Tribromobiphenyl	ND	20.0
	Tetrabromobiphenyl	ND	20.0
	Pentabromobiphenyl	ND	20.0
	Hexabromobiphenyl	ND	20.0
	Heptabromodiphenyl	ND	20.0
	Octabromobiphenyl	ND	20.0
	Nonabromobiphenyl	ND	20.0
	Decabromobiphenyl	ND	20.0
PBDEs	Bromodiphenyl ether	ND	20.0
	Dibromodiphenyl ether	ND	20.0
	Tribromodiphenyl ether	ND	20.0
	Tetrabromodiphenyl ether	ND	20.0
	Pentabromodiphenyl ether	ND	20.0
	Hexabromodiphenyl ether	ND	20.0
	Heptabromodiphenyl ether	ND	20.0
	Octabromodiphenyl ether	ND	20.0
	Nonabromodiphenyl ether	ND	20.0
	Decabromodiphenyl ether	ND	20.0



ND : Not Detected / NA : Not Applicable

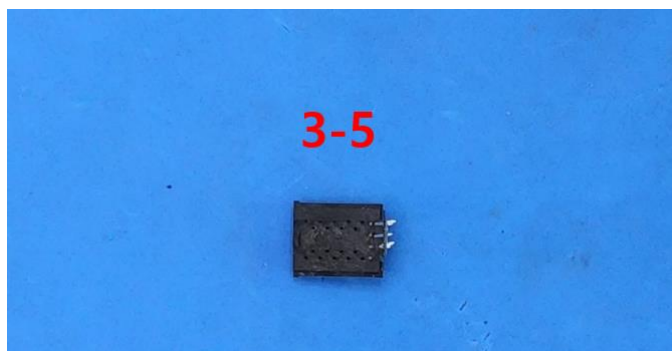


RoHS Verification Assessment Report

3-5) Series Model Ass'y 5

Heavy Metals			
Test Items	Test Results (mg/kg)	Detection Limit (mg/kg)	Test Methods
Pb	NA	2.0	IEC 62321-5
Cd	NA	2.0	IEC 62321-5
Hg	NA	5.0	IEC 62321-4
Cr ⁶⁺	NA	8.0	IEC 62321-7-2

Flame Retardants			
Test Items	Test Results (mg/kg)	Detection Limit (mg/kg)	Test Methods
PBBs	Bromobiphenyl	ND	20.0
	Dibromobiphenyl	ND	20.0
	Tribromobiphenyl	ND	20.0
	Tetrabromobiphenyl	ND	20.0
	Pentabromobiphenyl	ND	20.0
	Hexabromobiphenyl	ND	20.0
	Heptabromodiphenyl	ND	20.0
	Octabromobiphenyl	ND	20.0
	Nonabromobiphenyl	ND	20.0
	Decabromobiphenyl	ND	20.0
PBDEs	Bromodiphenyl ether	ND	20.0
	Dibromodiphenyl ether	ND	20.0
	Tribromodiphenyl ether	ND	20.0
	Tetrabromodiphenyl ether	ND	20.0
	Pentabromodiphenyl ether	ND	20.0
	Hexabromodiphenyl ether	ND	20.0
	Heptabromodiphenyl ether	ND	20.0
	Octabromodiphenyl ether	ND	20.0
	Nonabromodiphenyl ether	ND	20.0
	Decabromodiphenyl ether	ND	20.0



ND : Not Detected / NA : Not Applicable

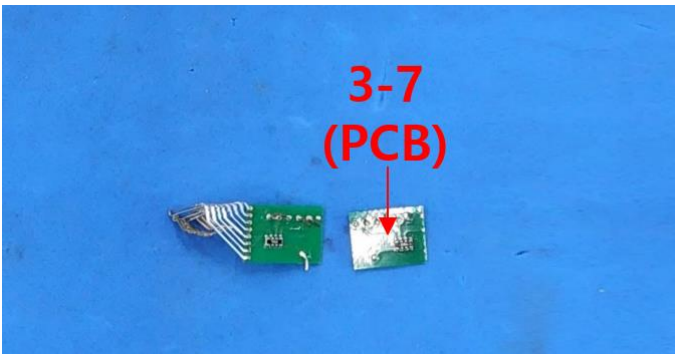


RoHS Verification Assessment Report

3-7) Series Model Ass'y 7

Heavy Metals			
Test Items	Test Results (mg/kg)	Detection Limit (mg/kg)	Test Methods
Pb	NA	2.0	IEC 62321-5
Cd	NA	2.0	IEC 62321-5
Hg	NA	5.0	IEC 62321-4
Cr ⁶⁺	NA	8.0	IEC 62321-7-2

Flame Retardants			
Test Items	Test Results (mg/kg)	Detection Limit (mg/kg)	Test Methods
PBBs	Bromobiphenyl	ND	20.0
	Dibromobiphenyl	ND	20.0
	Tribromobiphenyl	ND	20.0
	Tetrabromobiphenyl	ND	20.0
	Pentabromobiphenyl	ND	20.0
	Hexabromobiphenyl	ND	20.0
	Heptabromodiphenyl	ND	20.0
	Octabromobiphenyl	ND	20.0
	Nonabromobiphenyl	ND	20.0
	Decabromobiphenyl	ND	20.0
PBDEs	Bromodiphenyl ether	ND	20.0
	Dibromodiphenyl ether	ND	20.0
	Tribromodiphenyl ether	ND	20.0
	Tetrabromodiphenyl ether	ND	20.0
	Pentabromodiphenyl ether	ND	20.0
	Hexabromodiphenyl ether	ND	20.0
	Heptabromodiphenyl ether	ND	20.0
	Octabromodiphenyl ether	ND	20.0
	Nonabromodiphenyl ether	ND	20.0
	Decabromodiphenyl ether	ND	20.0



ND : Not Detected / NA : Not Applicable

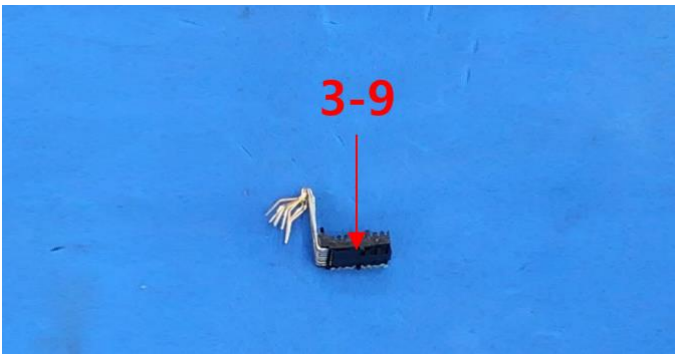


RoHS Verification Assessment Report

3-9) Series Model Ass'y 9

Heavy Metals			
Test Items	Test Results (mg/kg)	Detection Limit (mg/kg)	Test Methods
Pb	NA	2.0	IEC 62321-5
Cd	NA	2.0	IEC 62321-5
Hg	NA	5.0	IEC 62321-4
Cr ⁶⁺	NA	8.0	IEC 62321-7-2

Flame Retardants			
Test Items	Test Results (mg/kg)	Detection Limit (mg/kg)	Test Methods
PBBs	Bromobiphenyl	ND	20.0
	Dibromobiphenyl	ND	20.0
	Tribromobiphenyl	ND	20.0
	Tetrabromobiphenyl	ND	20.0
	Pentabromobiphenyl	ND	20.0
	Hexabromobiphenyl	ND	20.0
	Heptabromodiphenyl	ND	20.0
	Octabromobiphenyl	ND	20.0
	Nonabromobiphenyl	ND	20.0
	Decabromobiphenyl	ND	20.0
PBDEs	Bromodiphenyl ether	ND	20.0
	Dibromodiphenyl ether	ND	20.0
	Tribromodiphenyl ether	ND	20.0
	Tetrabromodiphenyl ether	ND	20.0
	Pentabromodiphenyl ether	ND	20.0
	Hexabromodiphenyl ether	ND	20.0
	Heptabromodiphenyl ether	ND	20.0
	Octabromodiphenyl ether	ND	20.0
	Nonabromodiphenyl ether	ND	20.0
	Decabromodiphenyl ether	ND	20.0



ND : Not Detected / NA : Not Applicable

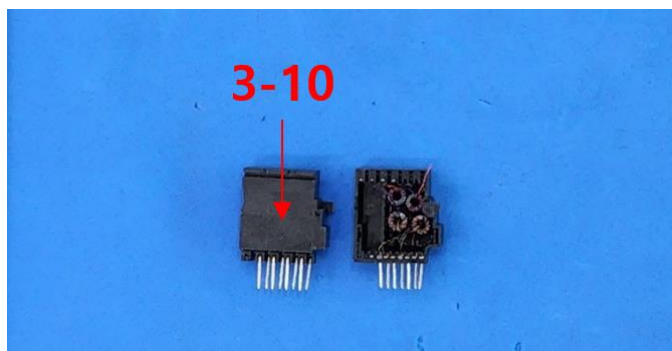


RoHS Verification Assessment Report

3-10) Series Model Ass'y 10

Heavy Metals			
Test Items	Test Results (mg/kg)	Detection Limit (mg/kg)	Test Methods
Pb	NA	2.0	IEC 62321-5
Cd	NA	2.0	IEC 62321-5
Hg	NA	5.0	IEC 62321-4
Cr ⁶⁺	NA	8.0	IEC 62321-7-2

Flame Retardants			
Test Items	Test Results (mg/kg)	Detection Limit (mg/kg)	Test Methods
PBBs	Bromobiphenyl	ND	20.0
	Dibromobiphenyl	ND	20.0
	Tribromobiphenyl	ND	20.0
	Tetrabromobiphenyl	ND	20.0
	Pentabromobiphenyl	ND	20.0
	Hexabromobiphenyl	ND	20.0
	Heptabromodiphenyl	ND	20.0
	Octabromobiphenyl	ND	20.0
	Nonabromobiphenyl	ND	20.0
	Decabromobiphenyl	ND	20.0
PBDEs	Bromodiphenyl ether	ND	20.0
	Dibromodiphenyl ether	ND	20.0
	Tribromodiphenyl ether	ND	20.0
	Tetrabromodiphenyl ether	ND	20.0
	Pentabromodiphenyl ether	ND	20.0
	Hexabromodiphenyl ether	ND	20.0
	Heptabromodiphenyl ether	ND	20.0
	Octabromodiphenyl ether	ND	20.0
	Nonabromodiphenyl ether	ND	20.0
	Decabromodiphenyl ether	ND	20.0



ND : Not Detected / NA : Not Applicable

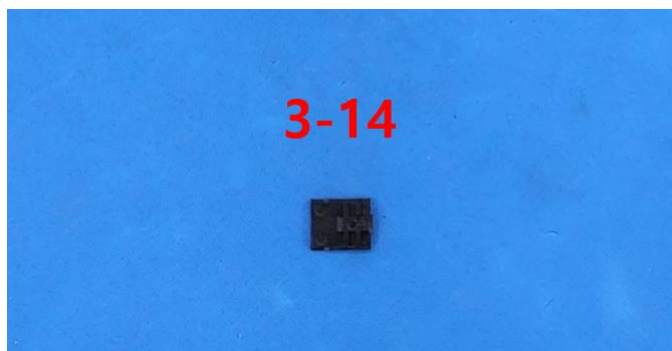


RoHS Verification Assessment Report

3-14) Series Model Ass'y 14

Heavy Metals			
Test Items	Test Results (mg/kg)	Detection Limit (mg/kg)	Test Methods
Pb	NA	2.0	IEC 62321-5
Cd	NA	2.0	IEC 62321-5
Hg	NA	5.0	IEC 62321-4
Cr ⁶⁺	NA	8.0	IEC 62321-7-2

Flame Retardants			
Test Items	Test Results (mg/kg)	Detection Limit (mg/kg)	Test Methods
PBBs	Bromobiphenyl	ND	20.0
	Dibromobiphenyl	ND	20.0
	Tribromobiphenyl	ND	20.0
	Tetrabromobiphenyl	ND	20.0
	Pentabromobiphenyl	ND	20.0
	Hexabromobiphenyl	ND	20.0
	Heptabromodiphenyl	ND	20.0
	Octabromobiphenyl	ND	20.0
	Nonabromobiphenyl	ND	20.0
	Decabromobiphenyl	ND	20.0
PBDEs	Bromodiphenyl ether	ND	20.0
	Dibromodiphenyl ether	ND	20.0
	Tribromodiphenyl ether	ND	20.0
	Tetrabromodiphenyl ether	ND	20.0
	Pentabromodiphenyl ether	ND	20.0
	Hexabromodiphenyl ether	ND	20.0
	Heptabromodiphenyl ether	ND	20.0
	Octabromodiphenyl ether	ND	20.0
	Nonabromodiphenyl ether	ND	20.0
	Decabromodiphenyl ether	ND	20.0



ND : Not Detected / NA : Not Applicable

- End of Report -