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TOYO LED ELECTRONICS LIMITED UNIT 10-11, 19/F., METRO LOFT, 38 KWAI HEI STREET, KWAI CHUNG, NEW TERRITORIES, HONG KONG

Sample Name	: LED DISPLAY, SMD DISPLAY, CUSTOM DESIGN LED DISPLAY, THROUGHT HOLE LED, SMD LED, TOP VIEW SMD LED (PLCC), INFRARED & PHOTOTRANSIST LED
SGS Job No.	: 5110750 - HK
Date of Sample Received	: 20 Sep 2022
Verification Period	: 20 Sep 2022 – 07 Oct 2022
Verification Requested:	: With reference to RoHS Directive (EU) 2015/863 amending 2011/65/EU.
Verification Method	: Please refer to next page(s)
Verification Results	: Please refer to next page(s)
Verification Conclusion	: Based on the verification results of the submitted samples, the results of Lead, Mercury, Cadmium, Hexavalent chromium, Polybrominated biphenyls (PBBs), Polybrominated diphenyl ethers (PBDEs) and Phthalates such as Bis(2-ethylhexyl) phthalate (DEHP), Butyl benzyl phthalate (BBP), Dibutyl phthalate (DBP), and Diisobutyl phthalate (DIBP) <b>comply with</b> the limits as set by RoHS Directive (EU) 2015/863 amending Annex II to Directive 2011/65/EU.
Note	: The test results are related only to the tested items. The report shall not be reproduced except in full without the written approval of the testing laboratory.

Signed for and on behalf of SGS Hong Kong Limited

Lam Ka Yung, Allen Senior Chemist

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Verification Method:

- 1. With reference to IEC 62321-2:2021, review was performed for the samples disjointed from the submitted articles.
- 2. With reference to IEC 62321-1:2013, tests were performed for the samples indicated by the photos in this report
  - (1) With reference to IEC 62321-3-1:2013, screening by EDXRF spectroscopy. (Decision Rule; please refer to appendix 1: Category 5)
  - (2) Wet chemical test method
  - a. With reference to IEC 62321-5:2013, determination of Cadmium by ICP-OES. (Decision Rule: please refer to appendix 1: Category 1)
  - b. With reference to IEC 62321-5:2013, determination of Lead by ICP-OES (Decision Rule: please refer to appendix 1: Category 1)
  - c. With reference to IEC 62321-4:2013, determination of Mercury by ICP-OES. (Decision Rule: please refer to appendix 1: Category 1)
  - d. With reference to IEC 62321-7-2:2017 & ISO 17075-1:2017, determination of Hexavalent chromium by Colorimetric method using UV-Vis. (Decision Rule: please refer to appendix 1: Category 1)
    With reference to IEC 62321-7-1:2015, determination of Hexavalent chromium by Colorimetric method using UV-Vis. (Decision Rule: please refer to appendix 1: Category 4)
  - e. With reference to IEC 62321-6:2015, determination of PBBs and PBDEs by GC-MS.
    - (Decision Rule: please refer to appendix 1: Category 1)
- 3. With reference to IEC 62321-8:2017, determination of phthalates by GC-MS. (Decision Rule: please refer to appendix 1: Category 1)

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Part No.	Part Description	BOM No.	Restricted Substances	Results of EDXRF <sup>(1)</sup>	Screening Result of PHTH <sup>(2)</sup>	Result of Wet Chemical Testing <sup>(3)</sup> (mg/kg)	Conclusion on EU RoHS	Sample Submitted / Resubmitted Date			
			Cd	BL			Comply				
			Pb	BL			Comply				
	Transparent/		Hg	BL			Comply				
	white plastic		Cr(VI)▼	BL			Comply				
1	w/ green		PBBs	BL			Comply	00 Can 0000			
	printing w/ silvery metal		PBDEs	BL			Comply	20 Sep 2022			
	w/ chips -		DBP		BL		Comply				
	SMD LED		BBP		BL		Comply				
				DEHP		BL		Comply			
			DIBP		BL		Comply				
			Cd	BL			Comply				
	Transparent/		Pb	BL			Comply				
	white plastic		Hg	BL			Comply				
	w/ green		Cr(VI)▼	BL			Comply				
0	printing w/		PBBs	BL			Comply	00.0			
2	2 golden		PBDEs	BL			Comply	20 Sep 2022			
	metal w/		DBP		BL		Comply				
	chips - SMD		BBP		BL		Comply				
	LED	D	DEHP		BL		Comply				
			DIBP		BL		Comply				
			Cd	BL			Comply				
			Pb	BL			Comply				
	Transparent/		Hg	BL			Comply				
	white plastic		Cr(VI) <sup>▼</sup>	BL			Comply				
_	w/ green		PBBs	BL			Comply	00.0			
3	printing w/ silvery metal		PBDEs	BL			Comply	20 Sep 2022			
	w/ chips -		DBP		BL		Comply				
	SMD LED		BBP		BL		Comply				
	SIND LED		DEHP		BL		Comply				
			DIBP		BL		Comply				
			Cd	BL			Comply				
	Transparent		Pb	BL			Comply	1			
	yellow/ white		Hg	BL			Comply				
	plastic w/		Cr(VI)▼	BL			Comply	1			
4	green		PBBs	BL			Comply	00 Can 0000			
4	printing w/		PBDEs	BL			Comply	20 Sep 2022			
	silvery metal		DBP		BL		Comply	]			
	w/ chips -		BBP		BL		Comply				
	SMD LED					DEHP		BL		Comply	1
			DIBP		BL		Comply	1			

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			Cd	BL			Comply			
			Pb	BL			Comply			
	Transparent/		Hg	BL			Comply			
	white plastic		Cr(VI)▼	BL			Comply			
5	w/ green		PBBs	BL			Comply	00 Can 0000		
5	printing w/ silvery metal		PBDEs	BL			Comply	20 Sep 2022		
	w/ chips -		DBP		BL		Comply			
	SMD LED		BBP		BL		Comply			
		1		DEHP		BL		Comply		
			DIBP		BL		Comply			
			Cd	BL			Comply			
			Pb	BL			Comply			
	Transparent/		Hg	BL			Comply			
	white plastic		Cr(VI)▼	BL			Comply			
	w/ green		PBBs	BL			Comply			
6	printing w/		PBDEs	BL			Comply	20 Sep 2022		
	silvery metal w/ chips -		DBP		BL		Comply			
	SMD LED		BBP		BL		Comply			
			DEHP		BL		Comply			
			DIBP		BL		Comply			
			Cd	BL			Comply			
			Pb	BL			Comply			
	Transparent/		Ha	BL			Comply			
	white plastic		Cr(VI)▼	BL			Comply			
_	w/ green		PBBs	BL			Comply			
7	printing w/		PBDEs	BL			Comply	20 Sep 2022		
	silvery metal w/ chips -		DBP		BL		Comply			
			BBP		BL		Comply			
	SMD LED	SMD LED		DEHP		BL		Comply		
			DIBP		BL		Comply			
			Cd	BL			Comply			
			Pb	BL			Comply			
	Transparent/		Ha	BL			Comply			
	white plastic		Cr(VI)▼	BL			Comply			
	w/ green		PBBs	BL			Comply			
8	printing w/		PBDEs	BL			Comply	20 Sep 2022		
	silvery metal		DBP		BL		Comply			
	w/ chips -		BBP		BL		Comply			
	SMD LED	SMD LED	SMD LED		DEHP		BL		Comply	
			DIBP		BL		Comply			

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Part No.	Part Description	BOM No.	Restricted Substances	Results of EDXRF <sup>(1)</sup>	Screening Result of PHTH <sup>(2)</sup>	Result of Wet Chemical Testing <sup>(3)</sup> (mg/kg)	Conclusion on EU RoHS	Sample Submitted / Resubmitted Date				
			Cd	BL			Comply					
	Transparent/		Pb	BL			Comply					
	white plastic		Hg	BL			Comply					
	w/ green/		Cr(VI)▼	BL			Comply					
9	black		PBBs	BL			Comply	00 Can 0000				
9	printing w/		PBDEs	BL			Comply	20 Sep 2022				
	silvery metal		DBP		BL		Comply					
	w/ chips - SMD LED		BBP		BL		Comply					
		SMD LED		DEHP		BL		Comply				
			DIBP		BL		Comply					
			Cd	BL			Comply					
			Pb	BL			Comply					
	Transparent/		Hg	BL			Comply					
	white plastic		Cr(VI)▼	BL			Comply					
10	w/ green printing w/ silvery metal	•	•	•	•		PBBs	BL			Comply	00 Can 0000
10			PBDEs	BL			Comply	20 Sep 2022				
	w/ chips -		DBP		BL		Comply					
	SMD LED		BBP		BL		Comply					
				DEHP		BL		Comply				
			DIBP		BL		Comply					
			Cd	BL			Comply					
			Pb	BL			Comply					
	Transparent/		Hg	BL			Comply					
	white plastic		Cr(VI) <sup>▼</sup>	BL			Comply					
11	w/ green printing w/		PBBs	IN		ND	Comply	20 Sep 2022				
	silvery metal		PBDEs	IN		ND	Comply	20 Sep 2022				
	w/ chips -		DBP		BL		Comply					
	w/ chips - SMD LED			BBP		BL		Comply				
			DEHP		BL		Comply					
			DIBP		BL		Comply					
			Cd	BL			Comply					
			Pb	BL			Comply					
	Transparent/		Hg	BL			Comply					
	white plastic		Cr(VI) <sup>▼</sup>	BL			Comply					
12	w/ green printing w/		PBBs	BL			Comply	20 Sep 2022				
12	silvery metal		PBDEs	BL			Comply	20 000 2022				
			DBP		BL		Comply					
	w/ chips - SMD LED					BBP		BL		Comply		
			DEHP		BL		Comply					
			DIBP		BL		Comply					

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Part No.	Part Description	BOM No.	Restricted Substances	Results of EDXRF <sup>(1)</sup>	Screening Result of PHTH <sup>(2)</sup>	Result of Wet Chemical Testing <sup>(3)</sup> (mg/kg)	Conclusion on EU RoHS	Sample Submitted / Resubmitted Date										
			Cd	BL			Comply											
			Pb	BL			Comply											
	Transparent/		Hg	BL			Comply											
	white plastic		Cr(VI) <sup>▼</sup>	BL			Comply											
13	w/ green		PBBs	BL			Comply	00 Can 0000										
13	printing w/ silvery metal		PBDEs	BL			Comply	20 Sep 2022										
	w/ chips -		DBP		BL		Comply											
	SMD LED				BBP		BL		Comply									
				DEHP		BL		Comply										
			DIBP		BL		Comply											
			Cd	BL			Comply											
			Pb	BL			Comply											
	Transparent/		Hg	BL			Comply											
	white plastic		Cr(VI)▼	BL			Comply											
14	w/ green		PBBs	BL			Comply	00 Can 0000										
14	printing w/ silvery metal		PBDEs	BL			Comply	20 Sep 2022										
	w/ chips -		DBP		BL		Comply											
		SMD LED											BBP		BL		Comply	
			DEHP		BL		Comply											
			DIBP		BL		Comply											
			Cd	BL			Comply											
			Pb	BL			Comply											
	Transparent/		Hg	BL			Comply											
	white plastic		Cr(VI) <sup>▼</sup>	BL			Comply											
15	w/ green		PBBs	BL			Comply	00 Can 0000										
15	printing w/ silvery metal		PBDEs	BL			Comply	20 Sep 2022										
	w/ chips -		DBP		BL		Comply											
	SMD LED		BBP		BL		Comply											
			DEHP		BL		Comply											
			DIBP		BL		Comply											
			Cd	BL			Comply											
			Pb	BL			Comply	]										
	Transparent/		Hg	BL			Comply	]										
	white plastic		Cr(VI)▼	BL			Comply											
16	w/ green		PBBs	BL			Comply	20 San 2022										
16	printing w/ silvery metal		PBDEs	BL			Comply	20 Sep 2022										
			DBP		BL		Comply											
	w/ chips - SMD LED		BBP		BL		Comply											
		SMD LED	SMD LED	SMD LED	SMD LED	SMD LED	SMD LED			DEHP		BL		Comply				
			DIBP		BL		Comply											

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			Cd	BL			Comply									
			Pb	BL			Comply									
	Transparent		Hg	BL			Comply									
	plastic w/		Cr(VI)▼	BL			Comply									
17	black		PBBs	BL			Comply	00.0								
17	coating w/ adhesive -		PBDEs	BL			Comply	20 Sep 2022								
	LED display		DBP		BL		Comply									
	film					BBP		BL		Comply						
				DEHP		BL		Comply								
			DIBP		BL		Comply									
			Cd	BL			Comply									
			Pb	BL			Comply									
	White/		Hg	BL			Comply									
	translucent		Cr(VI)▼	BL			Comply									
10	plastic w/		PBBs	IN		ND	Comply	00.0								
18	<sup>18</sup> grey coating		PBDEs	IN		ND	Comply	20 Sep 2022								
	- LED		DBP		BL		Comply									
	display case	display case	display case	display case	display case	display case	display case	display case	display case		BBP		BL		Comply	
												DEHP		BL		Comply
			DIBP		BL		Comply									
			Cd	BL			Comply									
			Pb	BL			Comply									
			Hg	BL			Comply									
			Cr(VI)▼	BL			Comply									
10	Silvery metal		PBBs					00.0								
19	- Pin		PBDEs					20 Sep 2022								
			DBP													
			BBP		_											
			DEHP													
			DIBP													
	Plack glass		Cd	BL			Comply									
	Black glass fiber w/		Pb	BL			Comply	]								
	green		Hg	BL			Comply									
	coating w/		Cr(VI)▼	BL			Comply	]								
20	silvery/		PBBs	IN		ND	Comply	20 Sep 2022								
20	coppery		PBDEs	IN		ND	Comply	20 Sep 2022								
	metal w/ translucent plastic -		DBP		BL		Comply	]								
			BBP		BL		Comply	]								
		plastic -	plastic -		DEHP		BL		Comply	]						
	PCB		DIBP		BL		Comply									

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			Cd	BL			Comply					
			Pb	BL			Comply					
			Hg	BL			Comply					
	Black glass		Cr(VI)▼	BL			Comply					
21	fiber w/		PBBs	IN		ND	Comply	00 Can 0000				
21	golden		PBDEs	IN		ND	Comply	20 Sep 2022				
	metal - PCB		DBP		BL		Comply					
			BBP		BL		Comply					
			DEHP		BL		Comply					
			DIBP		BL		Comply					
			Cd	BL			Comply					
			Pb	BL			Comply					
	White/		Hg	BL			Comply					
	translucent		Cr(VI)▼	BL			Comply					
22	plastic w/		PBBs	IN		ND	Comply	00 Can 0000				
22	grey coating		PBDEs	IN		ND	Comply	20 Sep 2022				
	- Display		DBP		BL		Comply					
	case		BBP		BL		Comply					
							DEHP		BL		Comply	
			DIBP		BL		Comply					
			Cd	BL			Comply					
			Pb	BL			Comply					
	White/		Hg	BL			Comply					
	translucent		Cr(VI) <sup>▼</sup>	BL			Comply					
23	plastic w/		PBBs	IN		ND	Comply	20 San 2022				
23	black		PBDEs	IN		ND	Comply	20 Sep 2022				
	coating -		DBP		BL		Comply					
	Display case			BBP		BL		Comply				
			DEHP		BL		Comply					
			DIBP		BL		Comply					
			Cd	BL			Comply					
			Pb	BL			Comply					
	Black glass		Hg	BL			Comply					
	fiber w/		Cr(VI)▼	BL			Comply	]				
24	white		PBBs	IN		ND	Comply	20 Sep 2022				
24	coating w/		PBDEs	IN		ND	Comply	20 Sep 2022				
	golden		DBP		BL		Comply					
	metal - PCB		BBP		BL		Comply					
			DEHP		BL		Comply	]				
			DIBP		BL		Comply					

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			Cd	BL			Comply		
			Pb	BL			Comply		
	Transparent		Hg	BL			Comply		
	plastic w/		Cr(VI) <sup>▼</sup>	BL			Comply		
05	black		PBBs	BL			Comply	00 Can 0000	
25	coating w/ adhesive -		PBDEs	BL			Comply	20 Sep 2022	
	LED display		DBP		BL		Comply		
	film		BBP		BL		Comply		
		1		DEHP		BL		Comply	
			DIBP		BL		Comply		
			Cd	BL			Comply		
			Pb	BL			Comply		
	White/		Hg	BL			Comply		
	translucent		Cr(VI)▼	BL			Comply		
	plastic w/		PBBs	IN		ND	Comply	00.0	
26	26 black		PBDEs	IN		ND	Comply	20 Sep 2022	
	coating -		DBP		BL		Comply	]	
	Display case	Display case		BBP		BL		Comply	
			DEHP		BL		Comply		
			DIBP		BL		Comply		
			Cd	BL			Comply		
			Pb	BL			Comply		
			Hg	BL			Comply		
			Cr(VI) <sup>▼</sup>	BL			Comply		
07	Silvery metal		PBBs					00.0	
27	- Pin		PBDEs					20 Sep 2022	
			DBP						
				BBP					
			DEHP						
			DIBP						
			Cd	BL			Comply		
	Black glass		Pb	BL			Comply		
	fiber w/		Hg	BL			Comply		
	translucent		Cr(VI)▼	BL			Comply		
	plastic w/		PBBs	IN		ND	Comply	00.0	
28	white		PBDEs	IN		ND	Comply	20 Sep 2022	
	coating w/		DBP		BL		Comply		
	silvery metal		BBP		BL		Comply		
	- PCB		DEHP		BL		Comply		
			DIBP		BL		Comply	1	

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Part No.	Part Description	BOM No.	Restricted Substances	Results of EDXRF <sup>(1)</sup>	Screening Result of PHTH <sup>(2)</sup>	Result of Wet Chemical Testing <sup>(3)</sup> (mg/kg)	Conclusion on EU RoHS	Sample Submitted / Resubmitted Date					
			Cd	BL			Comply						
			Pb	BL			Comply						
	Translucent		Hg	BL			Comply						
	green/ white		Cr(VI)▼	BL			Comply						
29	plastic w/		PBBs	IN		ND	Comply	00 Can 0000					
29	black		PBDEs	IN		ND	Comply	20 Sep 2022					
	coating -		DBP		BL		Comply						
	Display case		BBP		BL		Comply						
			DEHP		BL		Comply						
			DIBP		BL		Comply						
			Cd	BL			Comply						
			Pb	BL			Comply						
			Hg	BL			Comply						
			Cr(VI)▼	BL			Comply						
00	Silvery metal		PBBs					00.0 0000					
30	30 - Pin		PBDEs					20 Sep 2022					
			DBP										
			BBP										
			DEHP										
			DIBP										
			Cd	BL			Comply						
			Pb	BL			Comply						
	Black glass		Hg	BL			Comply						
	fiber w/		Cr(VI) <sup>▼</sup>	BL			Comply						
31	translucent		PBBs	IN		ND	Comply	00 Can 0000					
31	green plastic		PBDEs	IN		ND	Comply	20 Sep 2022					
	w/ silvery		DBP		BL		Comply						
	metal - PCB							BBP		BL		Comply	
					DEHP		BL		Comply				
			DIBP		BL		Comply						
			Cd	BL			Comply						
			Pb	BL			Comply	]					
	White/		Hg	BL			Comply						
	translucent		Cr(VI)▼	BL			Comply						
32	plastic w/		PBBs	IN		ND	Comply	20 Son 2022					
32	black		PBDEs	IN		ND	Comply	20 Sep 2022					
	coating -		DBP		BL		Comply						
	Display case		BBP		BL		Comply						
				DEHP		BL		Comply					
			DIBP		BL		Comply						

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Part No.	Part Description	BOM No.	Restricted Substances	Results of EDXRF <sup>(1)</sup>	Screening Result of PHTH <sup>(2)</sup>	Result of Wet Chemical Testing <sup>(3)</sup> (mg/kg)	Conclusion on EU RoHS	Sample Submitted / Resubmitted Date													
			Cd	BL			Comply														
			Pb	BL			Comply														
	Transparent		Hg	BL			Comply														
	plastic w/		Cr(VI)▼	BL			Comply														
33	black		PBBs	BL			Comply	00 Can 0000													
33	coating w/ adhesive -		PBDEs	BL			Comply	20 Sep 2022													
	LED display		DBP		BL		Comply														
	film		BBP		BL		Comply														
			DEHP		BL		Comply														
			DIBP		BL		Comply														
			Cd	BL			Comply														
			Pb	BL			Comply														
			Hg	BL			Comply														
			Cr(VI)▼	BL			Comply														
0.4	Silvery metal		PBBs					00.0													
34	34 - Pin		PBDEs					20 Sep 2022													
			DBP																		
			BBP																		
			DEHP																		
			DIBP																		
			Cd	BL			Comply														
			Pb	BL			Comply														
	Black glass		Hg	BL			Comply														
	fiber w/		Cr(VI) <sup>▼</sup>	BL			Comply														
35	translucent		PBBs	IN		ND	Comply	00 Can 0000													
35	plastic w/		PBDEs	IN		ND	Comply	20 Sep 2022													
	golden		DBP		BL		Comply														
	metal - PCB			BBP		BL		Comply													
			DEHP		BL		Comply														
			DIBP		BL		Comply														
			Cd	BL			Comply														
			Pb	BL			Comply	]													
	Translucent		Hg	BL			Comply														
	plastic w/		Cr(VI)▼	BL			Comply	]													
36	black/ yellow		PBBs	BL			Comply	20 San 2022													
30	coating w/ adhesive -		PBDEs	BL			Comply	20 Sep 2022													
	LED display		DBP		BL		Comply	]													
	film		BBP		BL		Comply														
	tiim	film	tilm	tilm	tilm	TIIM	חווח	TIIM	tilm	TIIM	TIIM	TIIM	TIIM	TIIM		DEHP		BL		Comply	1
			DIBP		BL		Comply														

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Part No.	Part Description	BOM No.	Restricted Substances	Results of EDXRF <sup>(1)</sup>	Screening Result of PHTH <sup>(2)</sup>	Result of Wet Chemical Testing <sup>(3)</sup> (mg/kg)	Conclusion on EU RoHS	Sample Submitted / Resubmitted Date					
			Cd	BL			Comply						
			Pb	BL			Comply						
	White/		Hg	BL			Comply						
	translucent		Cr(VI) <sup>▼</sup>	BL			Comply						
37	plastic w/		PBBs	IN		ND	Comply	00 Can 0000					
37	black		PBDEs	IN		ND	Comply	20 Sep 2022					
	coating -		DBP		BL		Comply						
	Display case		BBP		BL		Comply						
			DEHP		BL		Comply						
			DIBP		BL		Comply						
			Cd	BL			Comply						
			Pb	BL			Comply						
			Hg	BL			Comply						
			Cr(VI)▼	BL			Comply						
	Silvery metal		PBBs										
38	- Pin		PBDEs					20 Sep 2022					
			DBP										
			BBP										
			DEHP										
			DIBP										
			Cd	BL			Comply						
			Pb	BL			Comply						
	Black glass		Hg	BL			Comply						
	fiber w/		Cr(VI)▼	BL			Comply						
	translucent		PBBs	IN		ND	Comply						
39	plastic w/		PBDEs	IN		ND	Comply	20 Sep 2022					
	silvery metal		DBP		BL		Comply						
	- PCB						BBP		BL		Comply		
								DEHP		BL		Comply	
			DIBP		BL		Comply						
		1	Cd	BL			Comply						
			Pb	BL			Comply						
	Translucent		Hq	BL			Comply						
	plastic w/		Cr(VI)▼	BL			Comply						
	black		PBBs	BL			Comply						
40	coating w/		PBDEs	BL			Comply	20 Sep 2022					
	adhesive -		DBP		BL		Comply						
	LED display film						BBP		BL		Comply		
						film	film	film	film	film	film		DEHP
			DIBP		BL		Comply						

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Part No.	Part Description	BOM No.	Restricted Substances	Results of EDXRF <sup>(1)</sup>	Screening Result of PHTH <sup>(2)</sup>	Result of Wet Chemical Testing <sup>(3)</sup> (mg/kg)	Conclusion on EU RoHS	Sample Submitted / Resubmitted Date											
			Cd	BL			Comply												
			Pb	BL			Comply												
	White/		Hg	BL			Comply												
	translucent		Cr(VI)▼	BL			Comply												
41	plastic w/		PBBs	IN		ND	Comply	00 Can 0000											
41	black		PBDEs	IN		ND	Comply	20 Sep 2022											
	coating -		DBP		BL		Comply												
	Display case		BBP		BL		Comply												
			DEHP		BL		Comply												
			DIBP		BL		Comply												
			Cd	BL			Comply												
			Pb	BL			Comply												
			Hg	BL			Comply												
			Cr(VI)▼	BL			Comply												
42	Silvery metal		PBBs					00 Can 0000											
42	- Pin		PBDEs					20 Sep 2022											
			DBP																
			BBP																
			DEHP																
			DIBP																
			Cd	BL			Comply												
			Pb	BL			Comply												
			Hg	BL			Comply												
			Cr(VI) <sup>▼</sup>	BL			Comply												
43	Black plastic		PBBs	IN		ND	Comply	00 Can 0000											
43	- Pin holder		PBDEs	IN		ND	Comply	20 Sep 2022											
			DBP		BL		Comply												
			BBP		BL		Comply												
			DEHP		BL		Comply												
			DIBP		BL		Comply												
			Cd	BL			Comply												
			Pb	BL			Comply												
	Black glass		Hg	BL			Comply												
	fiber w/		Cr(VI)▼	BL			Comply												
44	translucent		PBBs	IN		ND	Comply	00 Can 0000											
44	plastic w/		PBDEs	IN		ND	Comply	20 Sep 2022											
	silvery metal		DBP		BL		Comply												
	- PCB		BBP		BL		Comply												
				-	-	-							-		DEHP		BL		Comply
			DIBP		BL		Comply												

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Part No.	Part Description	BOM No.	Restricted Substances	Results of EDXRF <sup>(1)</sup>	Screening Result of PHTH <sup>(2)</sup>	Result of Wet Chemical Testing <sup>(3)</sup> (mg/kg)	Conclusion on EU RoHS	Sample Submitted / Resubmitted Date
			Cd	BL			Comply	
			Pb	BL			Comply	
	White/		Hg	BL			Comply	
	transparent		Cr(VI)▼	BL			Comply	
45	plastic w/		PBBs	BL			Comply	Submitted / Resubmitted
45	silvery metal		PBDEs	BL			Comply	
	w/ chips -		DBP		BL		Comply	
	SMD LED		BBP		BL		Comply	
			DEHP		BL		Comply	
			DIBP		BL		Comply	
			Cd	BL			Comply	
			Pb	BL			Comply	
	White/		Hq	BL			Comply	
	transparent		Cr(VI)▼	BL			Comply	
	plastic w/		PBBs	BL			Comply	20 Sep 2022 20 Sep 2022 20 Sep 2022 20 Sep 2022 20 Sep 2022
46	silvery metal w/ chips -		PBDEs	BL			Comply	20 Sep 2022
			DBP		BL		Comply	
	SMD LED		BBP		BL		Comply	-
			DEHP		BL		Comply	
			DIBP		BL		Comply	
			Cd	BL			Comply	
			Pb	BL			Comply	
			Hq	BL			Comply	
	White/ transparent		Cr(VI)▼	BL			Comply	
	plastic w/		PBBs	BL			Comply	
47	silvery metal		PBDEs	BL			Comply	20 Sep 2022
	w/ chips -		DBP		BL		Comply	
	SMD LED		BBP		BL		Comply	
			DEHP		BL		Comply	
			DIBP		BL		Comply	
			Cd	BL			Comply	
			Pb	BL			Comply	
			Ha	BL			Comply	
	White/		Cr(VI)▼	BL			Comply	
	transparent plastic w/		PBBs	BL			Comply	
48	silvery metal		PBDEs	BL			Comply	20 Sep 2022
	w/ chips -		DBP		BL		Comply	
	SMD LED		BBP		BL		Comply	
			DEHP		BL		Comply	
			DIBP		BL		Comply	

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Part No.	Part Description	BOM No.	Restricted Substances	Results of EDXRF <sup>(1)</sup>	Screening Result of PHTH <sup>(2)</sup>	Result of Wet Chemical Testing <sup>(3)</sup> (mg/kg)	Conclusion on EU RoHS	Sample Submitted / Resubmitted Date								
			Cd	BL			Comply									
			Pb	BL			Comply									
	White/		Hg	BL			Comply									
	transparent		Cr(VI)▼	BL			Comply	Submitted / Resubmitted								
49	plastic w/		PBBs	BL			Comply									
49	silvery metal		PBDEs	BL			Comply	20 Sep 2022								
	w/ chips -		DBP		BL		Comply									
	SMD LED		BBP		BL		Comply									
			DEHP		BL		Comply									
			DIBP		BL		Comply									
			Cd	BL			Comply									
			Pb	BL			Comply									
	White/		Hg	BL			Comply									
	transparent		Cr(VI)▼	BL			Comply									
	plastic w/		PBBs	BL			Comply									
50	silvery metal w/ chips -		PBDEs	BL			Comply	20 Sep 2022								
			DBP		BL		Comply									
	SMD LED		BBP		BL		Comply									
			DEHP		BL		Comply									
			DIBP		BL		Comply									
			Cd	BL			Comply									
			Pb	BL			Comply									
	Transparent		Ha	BL			Comply									
	vellow/ white		Cr(VI)▼	BL			Comply									
	plastic w/		PBBs	BL			Comply									
51	silvery metal		PBDEs	BL			Comply	20 Sep 2022								
	w/ chips -		DBP		BL		Comply									
	SMD LED		BBP		BL		Comply									
											DEHP		BL		Comply	
			DIBP		BL		Comply									
			Cd	BL			Comply									
			Pb	BL			Comply									
	White/		Ha	BL			Comply									
	transparent		Cr(VI)▼	BL			Comply									
_	plastic w/		PBBs	BL			Comply									
52	silvery metal		PBDEs	BL			Comply	20 Sep 2022								
	w/ chips -		DBP		BL		Comply									
	SMD LED		BBP		BL		Comply									
			DEHP		BL		Comply									
			DIBP		BL		Comply									

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Part No.	Part Description	BOM No.	Restricted Substances	Results of EDXRF <sup>(1)</sup>	Screening Result of PHTH <sup>(2)</sup>	Result of Wet Chemical Testing <sup>(3)</sup> (mg/kg)	Conclusion on EU RoHS	Sample Submitted / Resubmitted Date					
			Cd	BL			Comply						
			Pb	BL			Comply						
	White/		Hg	BL			Comply						
	transparent		Cr(VI)▼	BL			Comply						
50	plastic w/		PBBs	BL			Comply	00.0					
53	53 silvery metal		PBDEs	BL			Comply	20 Sep 2022					
	w/ chips -		DBP		BL		Comply						
	SMD LED		BBP		BL		Comply						
			DEHP		BL		Comply						
			DIBP		BL		Comply						
			Cd	BL			Comply						
				Pb	BL			Comply					
								Hg	BL			Comply	
						Cr(VI)▼	BL			Comply			
<b>F</b> 4	Transparent		PBBs	IN		ND	Comply	00.0					
54	plastic - LED		PBDEs	IN		ND	Comply	20 Sep 2022					
			DBP		BL		Comply						
			BBP		BL		Comply						
			DEHP		BL		Comply						
			DIBP		BL		Comply						
			Cd	BL			Comply						
			Pb	BL			Comply						
			Hg	BL			Comply						
			Cr(VI) <sup>▼</sup>	BL			Comply						
55	Silvery metal		PBBs					00 Can 0000					
55	- Pin		PBDEs					20 Sep 2022					
			DBP										
			BBP										
			DEHP					20 Sep 2022 20 Sep 2022 20 Sep 2022 20 Sep 2022 20 Sep 2022					
			DIBP										
			Cd	BL			Comply						
			Pb	BL			Comply						
			Hg	BL			Comply	]					
			Cr(VI)▼	BL			Comply						
56	Transparent		PBBs	IN		ND	Comply	20 San 2000					
96	plastic - LED		PBDEs	IN		ND	Comply	20 Sep 2022					
			DBP		BL		Comply	1					
			BBP		BL		Comply	20 Sep 2022					
			DEHP		BL		Comply						
			DIBP		BL		Comply	1					

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Part No.	Part Description	BOM No.	Restricted Substances	Results of EDXRF <sup>(1)</sup>	Screening Result of PHTH <sup>(2)</sup>	Result of Wet Chemical Testing <sup>(3)</sup> (mg/kg)	Conclusion on EU RoHS	Sample Submitted / Resubmitted Date
			Cd	BL			Comply	
			Pb	BL			Comply	
			Hg	BL			Comply	
			Cr(VI) <sup>▼</sup>	BL			Comply	
57	Silvery metal		PBBs					00 Can 0000
57	- Pin		PBDEs					20 Sep 2022
			DBP					
			BBP					
			DEHP					
			DIBP					
			Cd	BL			Comply	
			Pb	BL			Comply	
	Transparent		Hg	BL			Comply	
	vellow/ white		Cr(VI) <sup>▼</sup>	BL			Comply	
58	plastic w/		PBBs	BL			Comply	20 Sep 2022
90	silvery metal		PBDEs	BL			Comply	
	w/ chips -		DBP		BL		Comply	
	SMD LED		BBP		BL		Comply	
			DEHP		BL		Comply	
			DIBP		BL		Comply	
			Cd	BL			Comply	
			Pb	BL			Comply	
	Transparent		Hg	BL			Comply	
	yellow/ white		Cr(VI) <sup>▼</sup>	BL			Comply	
59	plastic w/		PBBs	BL			Comply	20 San 2022
59	silvery metal		PBDEs	BL			Comply	20 Sep 2022
	w/ chips -		DBP		BL		Comply	
	SMD LED		BBP		BL		Comply	
			DEHP		BL		Comply	
			DIBP		BL		Comply	
			Cd	BL			Comply	
			Pb	BL			Comply	20 Sep 2022 20 Sep 2022 20 Sep 2022 20 Sep 2022
	Transparent		Hg	BL			Comply	J l
	yellow/ white		Cr(VI) <sup>▼</sup>	BL			Comply	
60	plastic w/		PBBs	BL			Comply	20 San 2022
00	silvery metal		PBDEs	BL			Comply	20 Sep 2022
	w/ chips -		DBP		BL		Comply	
	SMD LED		BBP		BL		Comply	J l
			DEHP		BL		Comply	
			DIBP		BL		Comply	

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Part No.	Part Description	BOM No.	Restricted Substances	Results of EDXRF <sup>(1)</sup>	Screening Result of PHTH <sup>(2)</sup>	Result of Wet Chemical Testing <sup>(3)</sup> (mg/kg)	Conclusion on EU RoHS	Sample Submitted / Resubmitted Date
			Cd	BL			Comply	
			Pb	BL			Comply	
	Transparent		Hg	BL			Comply	
	yellow/ white		Cr(VI) <sup>▼</sup>	BL			Comply	
61	plastic w/		PBBs	BL			Comply	20 San 2022
01	silvery metal		PBDEs	BL			Comply	Submitted / Resubmitted
	w/ chips -		DBP		BL		Comply	
	SMD LED		BBP		BL		Comply	
			DEHP		BL		Comply	
			DIBP		BL		Comply	
			Cd	BL			Comply	
	Transparent		Pb	BL			Comply	
	vellow/ white		Hg	BL			Comply	
	plastic w/		Cr(VI)▼	BL			Comply	
62	green		PBBs	BL			Comply	Submitted / Resubmitted Date         20 Sep 2022         20 Sep 2022
62	printing w/		PBDEs	BL			Comply	
	silvery metal		DBP		BL		Comply	
	w/ chips -		BBP		BL		Comply	
	SMD LED		DEHP		BL		Comply	
			DIBP		BL		Comply	
			Cd	BL			Comply	
			Pb	BL			Comply	
	White/		Hg	BL			Comply	
	transparent		Cr(VI) <sup>▼</sup>	BL			Comply	
63	plastic w/		PBBs	BL			Comply	00 Can 0000
63	silvery metal		PBDEs	BL			Comply	20 Sep 2022
	w/ chips -		DBP		BL		Comply	
	SMD LED		BBP		BL		Comply	
			DEHP		BL		Comply	
			DIBP		BL		Comply	
			Cd	BL			Comply	
			Pb	BL			Comply	20 Sep 2022 20 Sep 2022
			Hg	BL			Comply	
			Cr(VI)▼	BL			Comply	
64	Transparent		PBBs	IN		ND	Comply	20 San 2000
04	plastic - LED		PBDEs	IN		ND	Comply	20 Sep 2022
			DBP		BL		Comply	
			BBP		BL		Comply	
			DEHP		BL		Comply	コ
			DIBP		BL		Comply	

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Part No.	Part Description	BOM No.	Restricted Substances	Results of EDXRF <sup>(1)</sup>	Screening Result of PHTH <sup>(2)</sup>	Result of Wet Chemical Testing <sup>(3)</sup> (mg/kg)	Conclusion on EU RoHS	Sample Submitted / Resubmitted Date	
			Cd	BL			Comply		
			Pb	BL			Comply		
			Hg	BL			Comply		
			Cr(VI)▼	BL			Comply		
05	Silvery metal		PBBs					00.000 0000	
65	- Pin		PBDEs					20 Sep 2022	
			DBP						
			BBP						
			DEHP						
			DIBP						
			Cd	BL			Comply		
			Pb	BL			Comply		
			Hg	BL			Comply		
			Cr(VI)▼	BL			Comply	20 Sep 2022	
66	Transparent		PBBs	BL			Comply	20 San 2022	
00	plastic - LED		PBDEs	BL			Comply	20 Sep 2022	
			DBP		BL		Comply		
			BBP		BL		Comply		
			DEHP		BL		Comply		
				DIBP		BL		Comply	
			Cd	BL			Comply		
			Pb	BL			Comply		
			Hg	BL			Comply		
			Cr(VI) <sup>▼</sup>	BL			Comply		
67	Silvery metal		PBBs					20 San 2022	
07	- Pin		PBDEs					20 Sep 2022	
			DBP						
			BBP						
			DEHP						
			DIBP					20 Sep 2022 20 Sep 2022 20 Sep 2022	
			Cd	BL			Comply		
			Pb	BL			Comply	]	
			Hg	BL			Comply	]	
			Cr(VI) <sup>▼</sup>	BL			Comply	]	
68	Transparent		PBBs	BL			Comply	20 Sep 2022 20 Sep 2022 20 Sep 2022	
00	plastic - LED		PBDEs	BL			Comply	20 0ep 2022	
		DBP BL	Comply						
			BBP		BL		Comply	20 Sep 2022	
			DEHP		BL		Comply	ļ	
			DIBP		BL		Comply		

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Part No.	Part Description	BOM No.	Restricted Substances	Results of EDXRF <sup>(1)</sup>	Screening Result of PHTH <sup>(2)</sup>	Result of Wet Chemical Testing <sup>(3)</sup> (mg/kg)	Conclusion on EU RoHS	Sample Submitted / Resubmitted Date		
			Cd	BL			Comply			
			Pb	BL			Comply			
			Hg	BL			Comply			
			Cr(VI)▼	BL			Comply	Submitted / Resubmitted		
69	Silvery metal		PBBs					00 Can 0000		
69	- Pin		PBDEs					20 Sep 2022		
			DBP							
			BBP							
			DEHP							
			DIBP							
			Cd	BL			Comply			
			Pb	BL			Comply			
			Hg	BL			Comply			
	<b>-</b> .	-	Transport		Cr(VI)▼	BL			Comply	
70	Transparent		PBBs	BL			Comply	00.0		
70	orange		PBDEs	BL			Comply	20 Sep 2022		
	plastic - LED		DBP		BL		Comply			
			BBP		BL		Comply			
			DEHP		BL		Comply			
			DIBP		BL		Comply			
			Cd	BL			Comply			
				Pb	BL			Comply		
			Hg	BL			Comply			
			Cr(VI)▼	BL			Comply			
74	Silvery metal		PBBs					00.0		
71	- Pin		PBDEs					20 Sep 2022		
			DBP							
			BBP							
			DEHP							
			DIBP							
			Cd	BL			Comply			
			Pb	BL			Comply			
			Hg	BL			Comply			
			Cr(VI)▼	BL			Comply	1		
70	Transparent		PBBs	IN		ND	Comply	00.0		
72	plastic - LED		PBDEs	IN		ND	Comply	20 Sep 2022		
	-		DBP		BL		Comply	1		
			BBP		BL		Comply			
			DEHP		BL		Comply	1		
			DIBP		BL		Comply	1		

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Part No.	Part Description	BOM No.	Restricted Substances	Results of EDXRF <sup>(1)</sup>	Screening Result of PHTH <sup>(2)</sup>	Result of Wet Chemical Testing <sup>(3)</sup> (mg/kg)	Conclusion on EU RoHS	Sample Submitted / Resubmitted Date
			Cd	BL			Comply	
			Pb	BL			Comply	
			Hg	BL			Comply	
			Cr(VI)▼	BL			Comply	
73	Silvery metal		PBBs					20 San 2022
73	- Pin		PBDEs					Submitted / Resubmitted
			DBP					
			BBP					
			DEHP					
			DIBP					
			Cd	BL			Comply	
			Pb	BL			Comply	
			Hg	BL			Comply	
			Cr(VI)▼	BL			Comply	
74	Transparent		PBBs	BL			Comply	00.0 0000
74	plastic - LED		PBDEs	BL			Comply	20 Sep 2022
			DBP		BL		Comply	
			BBP		BL		Comply	
			DEHP		BL		Comply	
			DIBP		BL		Comply	
			Cd	BL			Comply	
			Pb	BL			Comply	
			Hg	BL			Comply	
			Cr(VI) <sup>▼</sup>	BL			Comply	
75	Silvery metal		PBBs					00 Can 0000
75	- Pin		PBDEs					20 Sep 2022
			DBP					
			BBP					
			DEHP					
			DIBP					
			Cd	BL			Comply	
			Pb	BL			Comply	20 Sep 2022 20 Sep 2022
			Hg	BL			Comply	
			Cr(VI)▼	BL			Comply	
76	Transparent		PBBs	IN		ND	Comply	20 Sep 2022
70	plastic - LED		PBDEs	IN		ND	Comply	20 Sep 2022
			DBP		BL		Comply	
			BBP		BL		Comply	20 Sep 2022
			DEHP		BL		Comply	
			DIBP		BL		Comply	

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Part No.	Part Description	BOM No.	Restricted Substances	Results of EDXRF <sup>(1)</sup>	Screening Result of PHTH <sup>(2)</sup>	Result of Wet Chemical Testing <sup>(3)</sup> (mg/kg)	Conclusion on EU RoHS	Sample Submitted / Resubmitted Date
			Cd	BL			Comply	
			Pb	BL			Comply	
			Hg	BL			Comply	Submitted / Resubmitted
			Cr(VI)▼	BL			Comply	
77	Silvery metal		PBBs					
11	// - Pin		PBDEs					20 Sep 2022
			DBP					
			BBP					
			DEHP					
			DIBP					
			Cd	BL			Comply	
			Pb	BL			Comply	
			Hg	BL			Comply	
	Trevelueent		Cr(VI) <sup>▼</sup>	BL			Comply	
78	Translucent green plastic		PBBs	BL			Comply	20 Son 2022
70	- LED		PBDEs	BL			Comply	20 Sep 2022
	LLD		DBP		BL		Comply	
			BBP		BL		Comply	
			DEHP		BL		Comply	
			DIBP		BL		Comply	
			Cd	BL			Comply	
			Pb	BL			Comply	
			Hg	BL			Comply	
			Cr(VI) <sup>▼</sup>	BL			Comply	
79	Silvery metal		PBBs					20 San 2022
79	- Pin		PBDEs					20 Sep 2022
			DBP					
			BBP					
			DEHP					
			DIBP					
			Cd	BL			Comply	
			Pb	BL			Comply	
			Hg	BL			Comply	
	Translations		Cr(VI)▼	BL			Comply	
80	Translucent green plastic		PBBs	BL			Comply	20 Sep 2022
00	- LED		PBDEs	BL			Comply	20 000 2022
			DBP		BL		Comply	
			BBP		BL		Comply	
			DEHP		BL		Comply	
			DIBP		BL		Comply	

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			Cd	BL			Comply			
			Pb	BL			Comply			
			Hg	BL			Comply			
			Cr(VI) <sup>▼</sup>	BL			Comply			
81	Silvery metal		PBBs					20 San 2022		
01	- Pin		PBDEs					20 Sep 2022		
			DBP							
			BBP							
			DEHP							
			DIBP							
			Cd	BL			Comply			
			Pb	BL			Comply			
					Hg	BL			Comply	
	Trevelueent		Cr(VI) <sup>▼</sup>	BL			Comply			
82	Translucent vellow		PBBs	IN		ND	Comply	20 San 2022		
02	plastic - LED		PBDEs	IN		ND	Comply	20 Sep 2022		
			DBP		BL		Comply			
			BBP		BL		Comply			
			DEHP		BL		Comply	Submitted / Resubmitted		
			DIBP		BL		Comply			
			Cd	BL			Comply			
			Pb	BL			Comply			
			Hg	BL			Comply			
			Cr(VI) <sup>▼</sup>	BL			Comply			
83	Black plastic		PBBs	BL			Comply	20 San 2022		
03	- Pin holder		PBDEs	BL			Comply	20 Sep 2022		
			DBP		BL		Comply			
			BBP		BL		Comply			
			DEHP		BL		Comply			
			DIBP		BL		Comply			
			Cd	BL			Comply			
			Pb	BL			Comply			
			Hg	BL			Comply			
			Cr(VI)▼	BL			Comply			
84	Silvery metal		PBBs					20 Sep 2022		
04	- Pin		PBDEs					20 000 2022		
			DBP							
			BBP					20 Sep 2022 20 Sep 2022		
		DEHP					]			
			DIBP							

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Part No.	Part Description	BOM No.	Restricted Substances	Results of EDXRF <sup>(1)</sup>	Screening Result of PHTH <sup>(2)</sup>	Result of Wet Chemical Testing <sup>(3)</sup> (mg/kg)	Conclusion on EU RoHS	Sample Submitted / Resubmitted Date		
			Cd	BL			Comply			
			Pb	BL			Comply	]		
			Hg	BL			Comply			
			Cr(VI)▼	BL			Comply	Submitted / Resubmitted		
85	Translucent		PBBs	IN		ND	Comply	00 Can 0000		
65	blue plastic - LED		PBDEs	IN		ND	Comply	20 Sep 2022		
			DBP		BL		Comply			
			BBP		BL		Comply	Submitted / Resubmitted / Resubmitted / Resubmitted Date		
			DEHP		BL		Comply			
			DIBP		BL		Comply			
			Cd	BL			Comply			
			Pb	BL			Comply			
			Hg	BL			Comply			
					Cr(VI)▼	BL			Comply	
00	Silvery metal		PBBs					00.0		
86	- Pin		PBDEs					20 Sep 2022		
			DBP							
			BBP							
			DEHP							
			DIBP							
				Cd	BL			Comply		
			Pb	BL			Comply			
			Hg	BL			Comply			
			Cr(VI) <sup>▼</sup>	BL			Comply			
87	Transparent		PBBs	IN		ND	Comply	20 San 2022		
87	plastic - LED		PBDEs	IN		ND	Comply	20 Sep 2022		
			DBP		BL		Comply			
				BBP		BL		Comply		
			DEHP		BL		Comply			
			DIBP		BL		Comply			
			Cd	BL			Comply			
			Pb	BL			Comply	Date           20 Sep 2022           20 Sep 2022           20 Sep 2022		
			Hg	BL			Comply			
			Cr(VI)▼	BL			Comply	]		
88	Silvery metal		PBBs					00 Can 2000		
88	- Pin		PBDEs					20 Sep 2022		
			DBP							
			BBP					20 Sep 2022		
			DEHP					1		
			DIBP					1		

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			Cd	BL			Comply	
			Pb	BL			Comply	
			Hg	BL			Comply	
			Cr(VI)▼	BL			Comply	
89	Transparent		PBBs	BL			Comply	20 San 2022
09	plastic - LED		PBDEs	BL			Comply	20 Sep 2022
			DBP		BL		Comply	
			BBP		BL		Comply	
			DEHP		BL		Comply	
			DIBP		BL		Comply	
			Cd	BL			Comply	
			Pb	BL			Comply	
			Hg	BL			Comply	
			Cr(VI)▼	BL			Comply	
90	Silvery metal		PBBs					20 Sep 2022
90	- Pin		PBDEs					20 Sep 2022
			DBP					
			BBP					
			DEHP					
			DIBP					

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### Remark

- (1) (a) There are the results on total Br while test items on restricted substances are PBBs and PBDEs. There is the result on total Cr while test item on restricted substances is Cr(VI).
  - (b) Results are obtained by EDXRF for primary screening, and further chemical testing by ICP-OES (for Cd, Pb, Hg), UV-Vis (for Cr(VI)) and GC-MS (for PBBs, PBDEs) is recommended to be performed if the concentration exceeds the below warning value according to IEC62321-3-1:2013 (unit: mg/kg).

Element	Polymer	Metal	Composite Materials
Cd	BL ≤(70-3σ)< X <(130+3σ)≤OL	BL ≤(70-3σ)< X <(130+3σ)≤OL	LOD < X <(150+3σ)≤ OL
Pb	BL ≤(700-3σ)< X<(1300+3σ)≤ OL	BL ≤(700-3σ)< X <(1300+3σ)≤ OL	BL ≤(500-3σ)< X<(1500+3σ)≤ OL
Hg	BL ≤(700-3σ)< X <(1300+3σ)≤ OL	BL ≤(700-3σ)< X <(1300+3σ)≤ OL	BL ≤(500-3σ)< X <(1500+3σ)≤ OL
Br	BL ≤ (300-3σ)< X		BL ≤ (250-3σ)< X
Cr	BL ≤ (700-3σ)< X	BL ≤ (700-3σ)< X	BL ≤ (500-3σ)< X

- (c) BL = Below Limit, OL = Over Limit, IN = Inconclusive, LOD = Limit of Detection, -- = Not regulated.
- (d) The XRF screening test for RoHS elements The reading may be different to the actual content in the sample be of non-uniformity composition.
- (2) Screening results of PHTH are for primary screening, and further chemical testing by GC-MS (for DBP, BBP, DEHP and DIBP) are recommended to be performed if the concentration exceeds the below warning value
  (unit: mail(a))

(unit: mg/kg).

Compound	Polymer
DBP	BL ≤ 600< X
BBP	BL ≤ 600< X
DEHP	BL ≤ 600< X
DIBP	BL ≤ 600< X

- (3) (a) mg/kg = 0.0001%, MDL=Method detection Limit, ND = Not Detected (<MDL), --- = Not conducted, - = Without BOM.
  - (b) Unit and MDL in wet chemical test

Test Item	Pb	Cd	Hg	DBP	BBP	DEHP	DIBP
Unit	mg/kg						
MDL	10	10	10	100	100	100	100

The MDL for single compound of PBBs and PBDEs is 100 mg/kg, MDL of Cr(VI) for polymer, composite and leather sample is 10 mg/kg. MDL of Cr(VI) for metal sample is  $0.10\mu g/cm^2$ .

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### (c) $^{\bullet}$ =Metal sample

- a. The sample is positive for CrVI if the CrVI concentration is greater than 0.13 µg/cm<sup>2</sup>. The sample coating is considered to contain CrVI
- b. The sample is negative for CrVI if CrVI is ND (concentration less than 0.10  $\mu$ g/cm<sup>2</sup>). The coating is considered a non-CrVI based coating
- c. The result between 0.10 µg/cm<sup>2</sup> and 0.13 µg/cm<sup>2</sup> is considered to be inconclusive unavoidable coating variations may influence the determination

Information on storage conditions and production date of the tested sample is unavailable and thus Cr(VI) results represent status of the sample at the time of testing.

IEC 62321 series is equivalent to EN 62321 series http://www.cenelec.eu/dyn/www/f?p=104:30:1742232870351101::::FSP\_ORG\_ID,FSP\_LANG\_ID :1258637,25

(4) \* = Considering insufficient sample amount, the Method Detection Limit (MDL) is raised appropriately.

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### Appendix 1

Category	Decision Rule Statement
1	<ul> <li>The decision rule for conformity reporting is based on the non-binary statement with guard band (is equal to the expanded measurement uncertainty with a 95% coverage probability, w = U95) in ILAC-G8:09/2019 Clause 4.2.3.</li> <li>A. "Pass - the measured value is within (or below / above) the acceptance limit, where the acceptance limit is below / above to the guard band." or "Pass - The measured values were observed in tolerance at the points tested. The specific false accept risk is up to 2.5%.".</li> <li>B. "Conditional Pass - The measured values were observed in tolerance at the points tested. However, a portion of the expanded measurement uncertainty intervals about one or more measured values exceeded / out of tolerance. When the measured result is close to the tolerance, the specific false accept risk is up to 50%.".</li> <li>C. "Conditional Fail - One or more measured values were observed out of tolerance at the points tested. However, a portion of the expanded measurement uncertainty intervals about one or more measured values were in tolerance. When the measured result is close to the tolerance, the specific false reject risk is up to 50%.".</li> <li>D. "Fail - the measured value is out of (or below / above) the tolerance limit added / subtracted to the guard band." or "Fail - One or more measured values were observed out of tolerance at the points tested". The specific false reject risk is up to 2.5%.</li> </ul>
2	The decision rule for conformity reporting is based on BS EN 1811:2011+A1:2015: Reference test method for release of nickel from all post assemblies which are inserted into pierced parts of the human body and articles intended to come into direct and prolonged contact with the skin in Section 9.2 interpretation of results.
3	The decision rule for conformity reporting is based on the general consideration of simple acceptance as stated in ISO/IEC Guide 98-3: "Uncertainty of measurement - Part 3: Guide to the expression of uncertainty in measurement (GUM 1995)", and more specifically for analytical measurements to the EURACHEM/CITAC Guide 2012 "Quantifying Uncertainty in Analytical Measurement ".
4	The decision rule for conformity reporting is according to the IEC 62321-7-1 Edition 1.0 2015-09 Section 7: Table 1-(comparison to standard and interpretation of result)
5	The decision rule for conformity reporting is according to the IEC 62321-3-1 Edition 1.0 2013-06 Annex A.3 interpretation of result.
6	The decision rule for conformity reporting is according to the GB/T 26125-2011 Annex A to H
7	The decision rule for conformity reporting is according to the requested specification or standard (ASTM F963-17 section 4.3.5)
8	The decision rule for conformity reporting is according to the requested specification or standard (AS/NZS ISO 8124 Part 3 section 4.2)
Remark	If the decision rule is not feasible to be used and the uncertainty of the result is able to be provided, the uncertainty range of the result will be shown in the report. Otherwise, only result will be shown in the report.

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# Appendix 2

As per client's declaration, the submitted sample contains the items below. Such declaration is not verified by SGS Hong Kong Ltd

Item No. given by client	
TY-Y0402UG1(0.45)	
TY-Y0606RGB3(0.60)-R1	
TY-Y0603UG1(0.60)	
TY-Y0603CW1(0.60)	
TY-Y0603BL1(0.60)	
TY-Y0603UA1(0.60)	
TY-Y0805UR1(0.80)	
TY-Y0805UY1(0.80)	
TY-Y1206PG1(1.10)-A-R	
TY-Y0603UR1-LS(0.95)	
TY-CLDSV1204IR1(2.10)-940	
TY-YSV0602PG1(1.10)	
TY-YSV0802UY1(0.96)	
TY-YSV1204UR1(1.50)	
TY-YSV1204BL1(1.50)	
TY-YSV1204RGB1(1.50)-R34	

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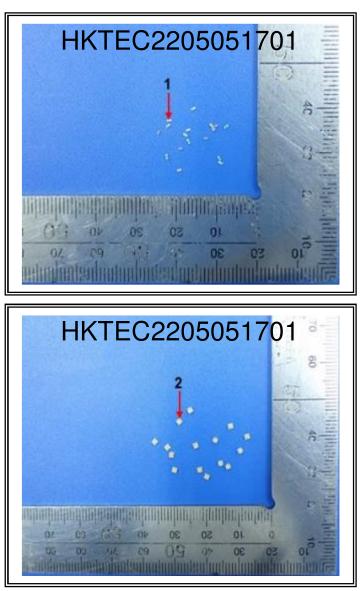


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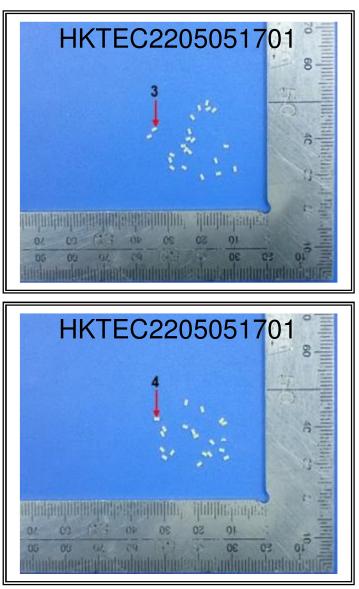


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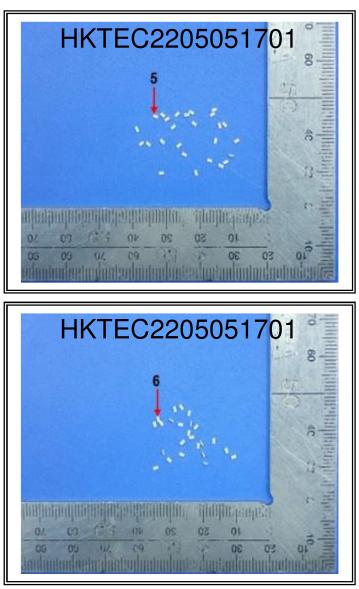


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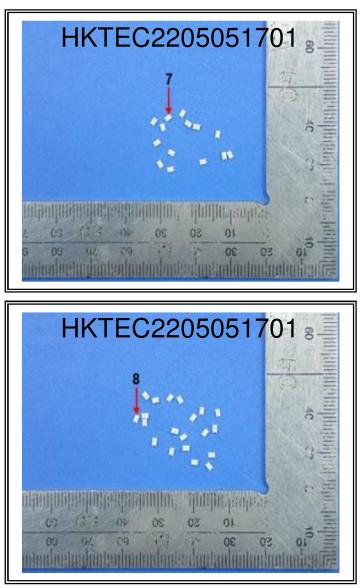


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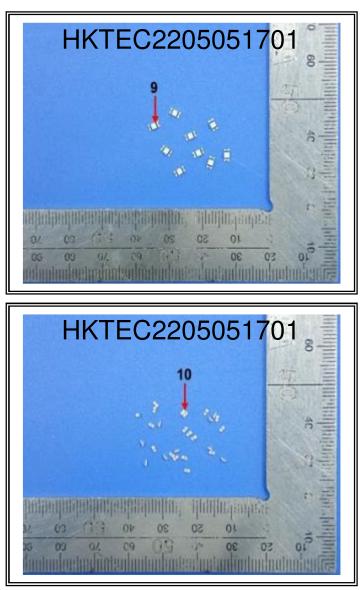


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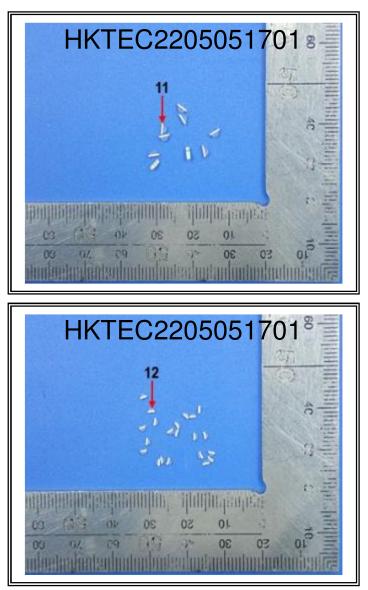


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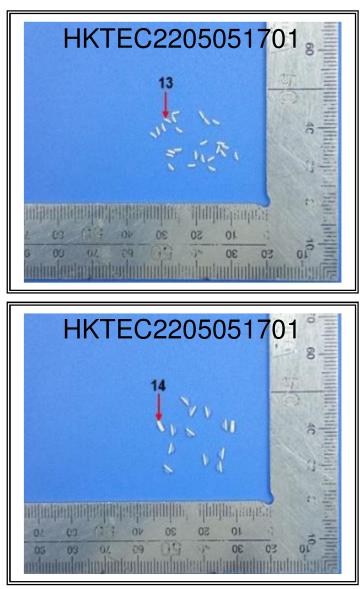


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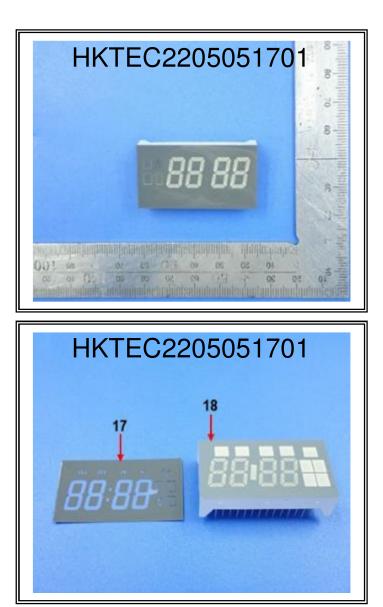


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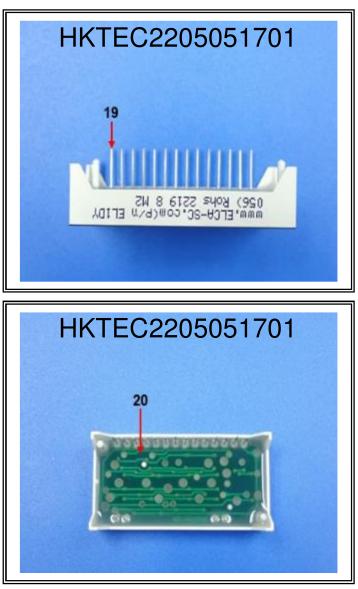
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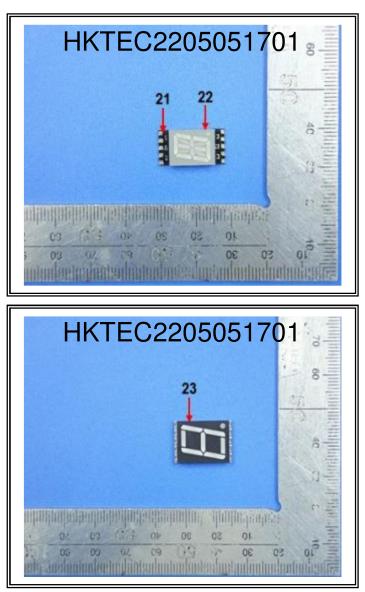


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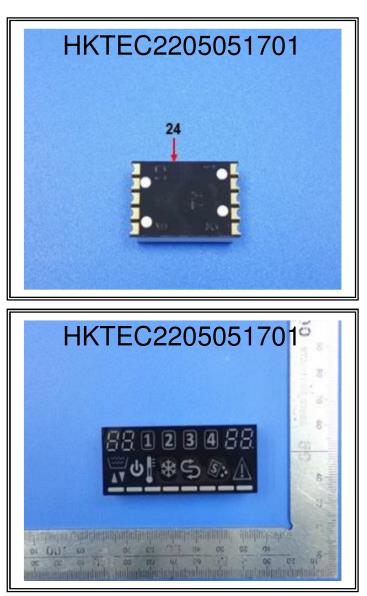


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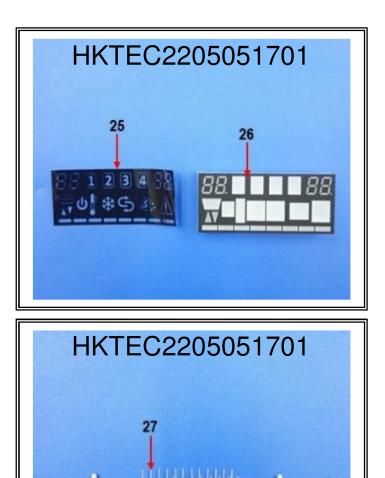


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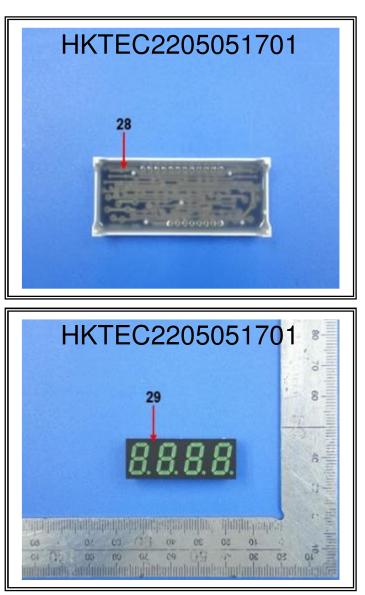
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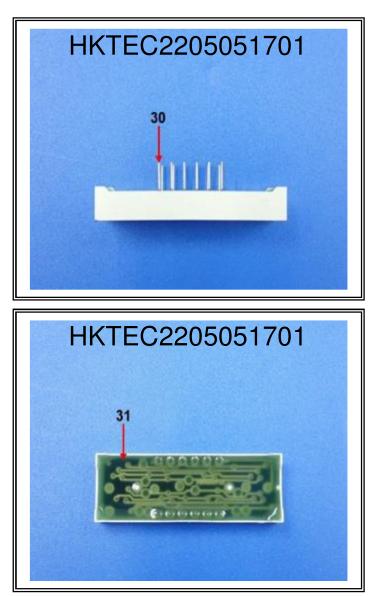


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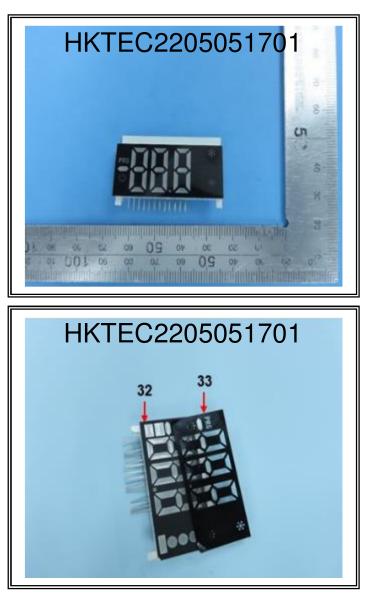


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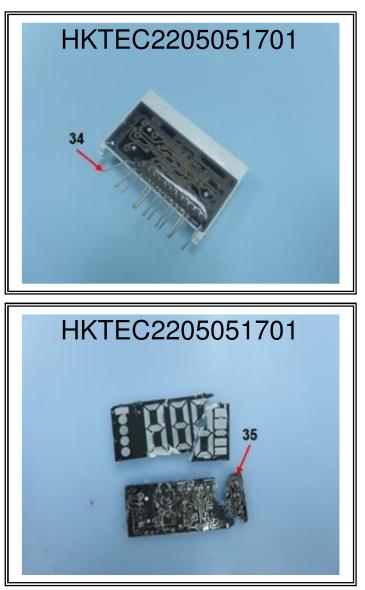
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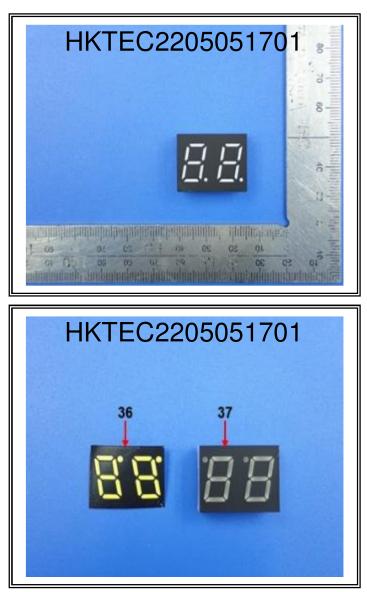


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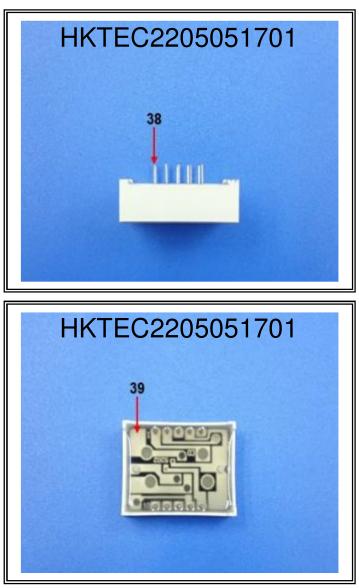
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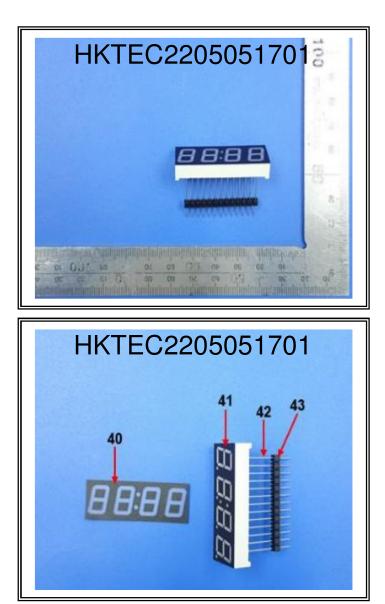


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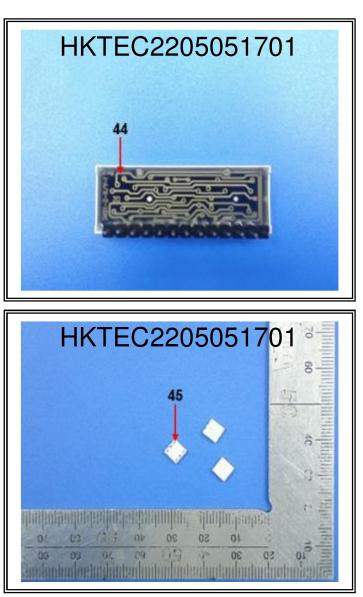


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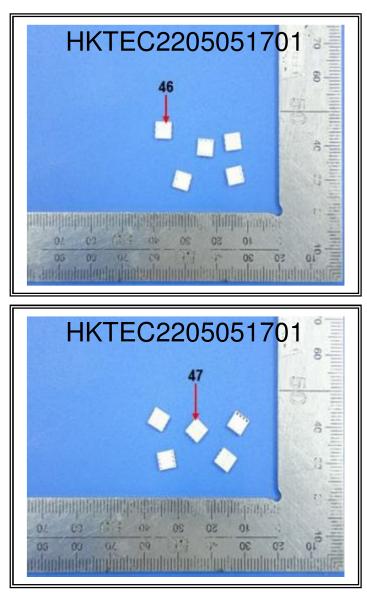


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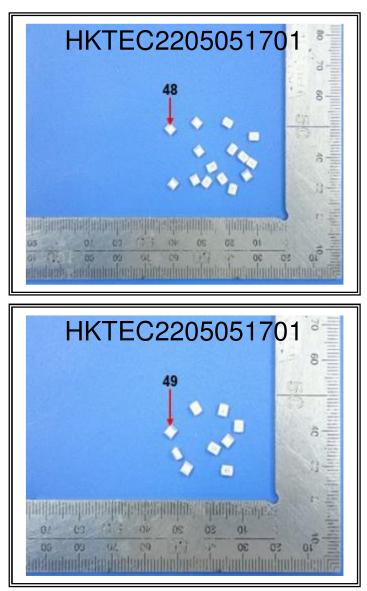


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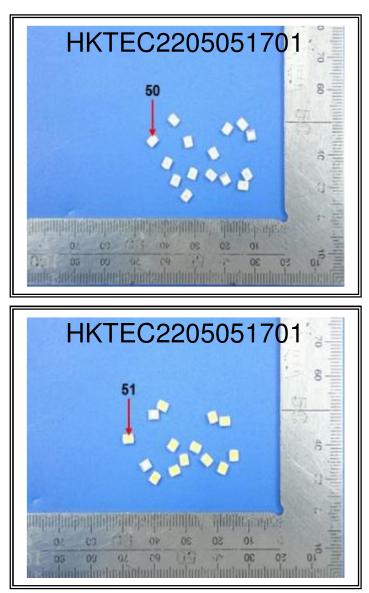


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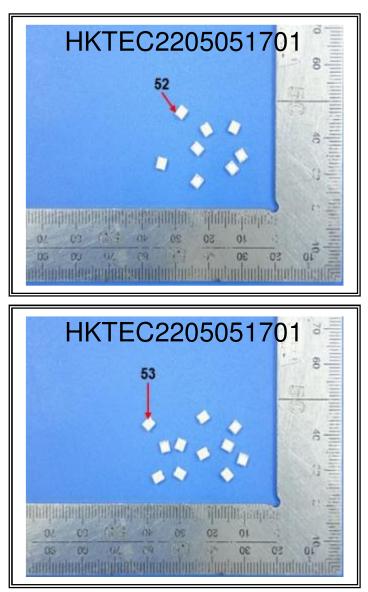


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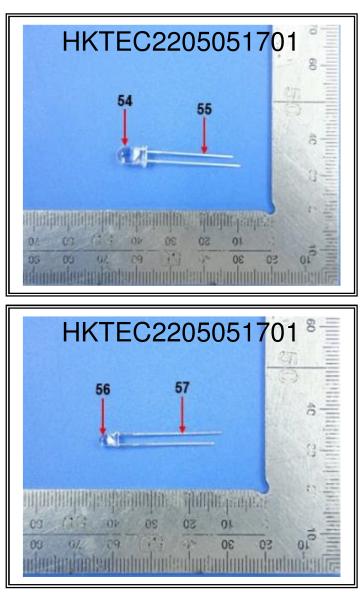


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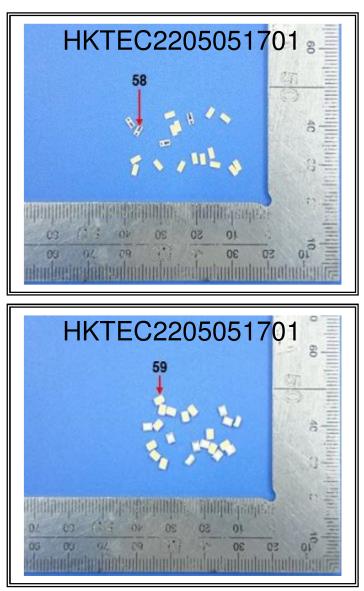


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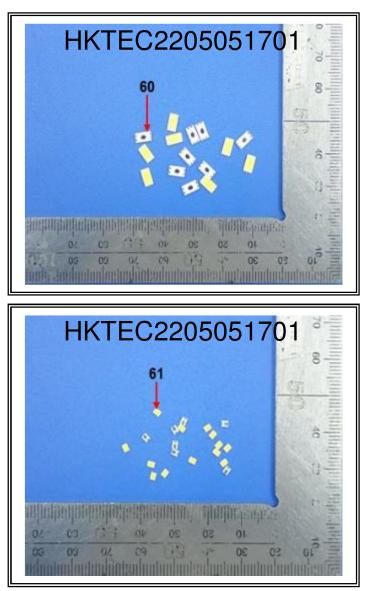


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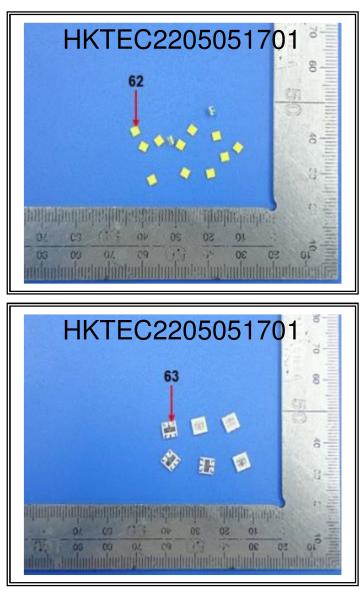


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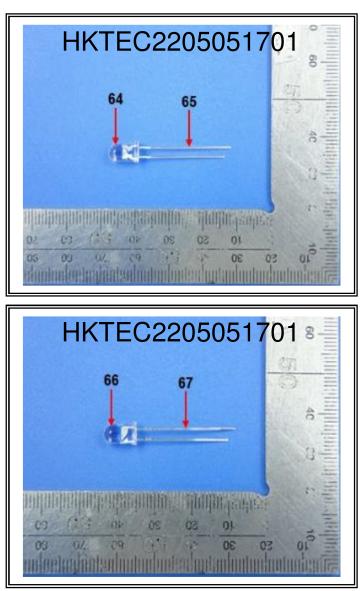


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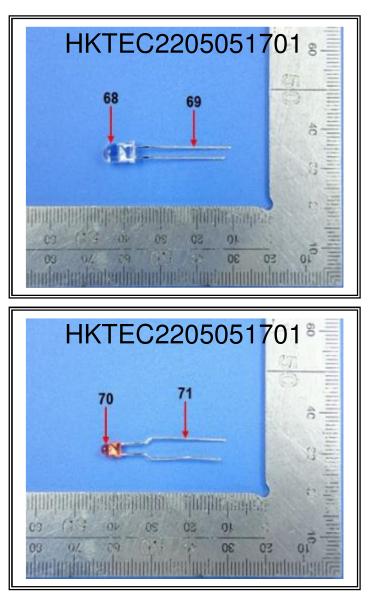


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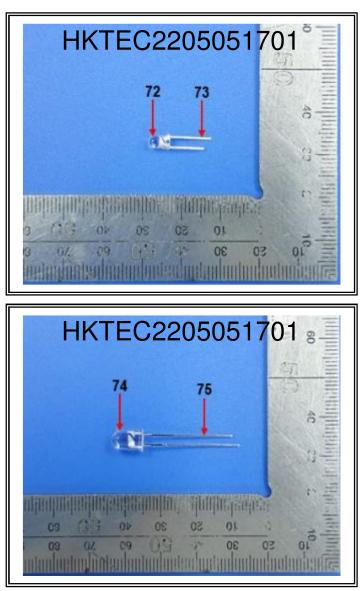


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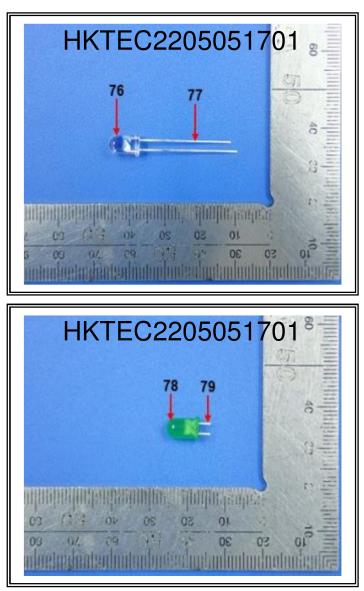


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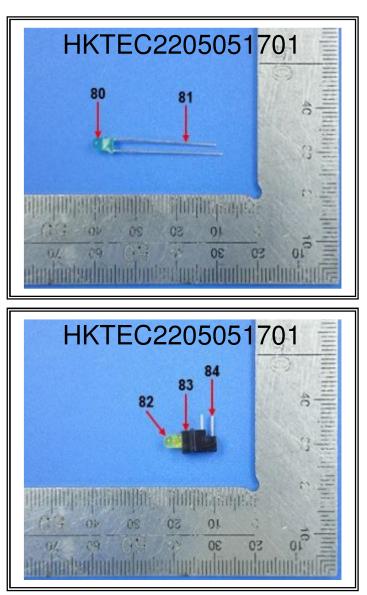


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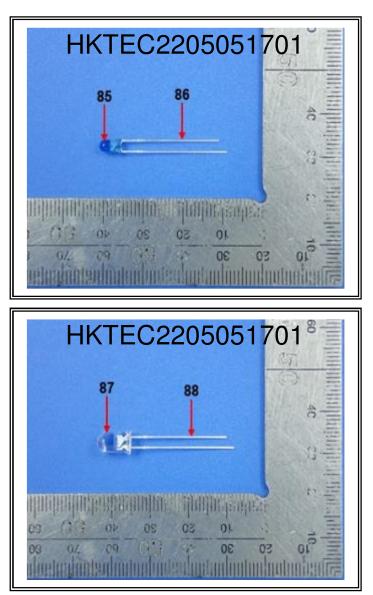


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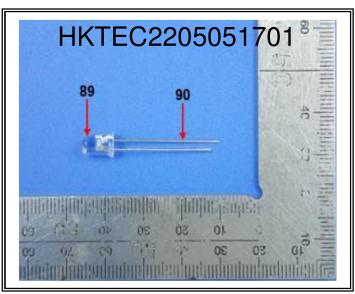


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