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Test Report

On Behalf of

Shenzhen Chip Optech Co.,Ltd

LED Display Screen

P16、 P5、 P6.67、 P10、 P4

Prepared For : Shenzhen Chip Optech Co.,Ltd
5th Floor, Tower C, Baoshi Technological Park, Baoshi Road, Shiyan Street, Bao'an District, Shenzhen City China

Prepared By : World Standardization Certification & Testing Group (Shenzhen) Co., Ltd.
Building A-B, Baoshi Road, Baoshi Science & Technology Park, Bao'an District, Shenzhen, Guangdong, China
TEL: 86-755-26996192; FAX: 86-755-86376605



Date of Test: 18 February 2023 to 06 March 2023
Date of Report: 06 March 2023
Report Number: WSCT-CNAS-IT230300099A

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Report No.: WSCT-CNAS-IT230300099A Issued: 06 March 2023 Revised: None.
Revision History Of Report

Rev.	Issue No.	Revisions	Effect Page	Revised By
00	WSCT-CNAS-IT230300099A	Initial Issue	ALL	Wang Fengbing

ACCREDITATIONS

Our laboratories are accredited and approved by the following approval agencies according to ISO/IEC 17025.

Global	CBTL	IECEE (International Electrotechnical Commission, The certificate registration number is TL672)
America	USA	A2LA(The certificate registration number is 5768.01)
Asia	China	CNAS (The certificated registration number is L3732)

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Report No.: WSCT-CNAS-IT230300099A Issued: 06 March 2023 Revised: None.

Test Report UL 94 STANDARD FOR SAFETY Tests for Flammability of Plastic Materials for Parts in Devices and Appliances	
Report reference No.	WSCT-CNAS-IT230300099A
Tested by (+ signature)	Wang Yucheng <i>Wang Yucheng</i>
Checked by (+ signature)	Sun Jianqing <i>Sun Jianqing</i>
Approved by (+ signature)	Liu Haipeng <i>Liu Haipeng</i>
Date of issue	06 March 2023
Total number of pages ...	10
Testing Laboratory Name	World Standardization Certification & Testing Group (Shenzhen) Co., Ltd.
Address	Building A-B, Baoshi Road, Baoshi Science & Technology Park, Bao'an District, Shenzhen, Guangdong, China
Testing location	CBTL <input type="checkbox"/> CCATL <input type="checkbox"/> SMT <input type="checkbox"/> TMP <input type="checkbox"/>
Address	Same as above.
Applicant's Name	Shenzhen Chip Optech Co.,Ltd
Address	5th Floor, Tower C, Baoshi Technological Park, Baoshi Road, Shiyan Street, Bao'an District, Shenzhen City China
Standard	UL 94:2013
Test procedure	Test Report
Procedure deviation	N/A.
Non-standard test method	N/A.





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Report No.: WSCT-CNAN-IT230300099A Issued: 06 March 2023 Revised: None.

Test item description LED Display Screen
 Manufacturer..... Shenzhen Chip Optech Co.,Ltd
 Address 5th Floor, Tower C, Baoshi Technological Park, Baoshi Road, Shiyan Street, Bao'an District, Shenzhen City China
 Trademark chipshow
 Model and/or type reference P16、 P5、 P6.67、 P10、 P4 (Plastic enclosure model: JH960 HT (M1) (sr), JH960 HT (M1) (ccc) (##)(sr), JH960-HT (M1) (ccc) (##)(sr) , PCB for main board model: JSY-1)

Test item particulars :

Equipment mobility : N/A
 Operating condition : N/A
 Tested for IT power systems : N/A
 IT testing, phase-phase voltage (V) : N/A
 Class of equipment : N/A
 Test Results..... : V-0

Test case verdicts:

Test case does not apply to the test object : N/A.
 Test item does meet the requirement..... : P (Pass)
 Test item does not meet the requirement..... : F (Fail)

Testing:

Date of receipt of test item : 18 February 2023
 Date(s) of performance of test : 18 February 2023 to 06 March 2023





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Sample description: Test Methods: UL 94:2013

Test Results: Plastic enclosure 1/ Plastic enclosure 2/ PCB for main board

Pretreatment	23 ± 2°C, 50±5 %RH, 48 h						70 ± 2°C, 168h placed in the desiccator, cooling at least 4H at 23 ± 2°C at room temperature				
No.		1	2	3	4	5	1	2	3	4	5
sample discription t1(s)	Plastic enclosure 1	0.8	0.3	0.8	0.5	1.1	0.9	0.8	1.2	1.2	1.1
	Plastic enclosure 2	0.7	0.6	0.7	0.6	0.9	0.8	0.9	1.3	0.7	1.3
	PCB for main board	0.7	0.4	0.6	0.7	0.7	0.6	0.7	1.1	0.3	1.6
Afterflame time after the second combustion t2 (s)	Plastic enclosure 1	1.5	1.8	1.9	1.3	1.9	1.6	1.8	1.5	1.8	1.9
	Plastic enclosure 2	1.4	1.9	1.6	1.3	1.3	1.4	1.4	1.6	1.2	1.6
	PCB for main board	1.7	1.6	1.7	1.4	1.1	1.9	1.6	1.9	1.4	1.8
Afterburning time after the second combustion t3 (s)	Plastic enclosure 1	0	0	0	0	0	0	0	0	0	0
	Plastic enclosure 2	0	0	0	0	0	0	0	0	0	0
	PCB for main board	0	0	0	0	0	0	0	0	0	0
All afterflame afterflame time t1+t2(s)	Plastic enclosure 1	11.9					13.8				
	Plastic enclosure 2	11.1					12.2				
	PCB for main board	10.6					12.9				
After the second	Plastic enclosure 1	1.5	1.8	1.9	1.3	1.9	1.6	1.8	1.5	1.8	1.9





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combustion, afterflame and afterburning time t2+t3(s)	Plastic enclosure 2	1.4	1.9	1.6	1.3	1.3	1.4	1.4	1.6	1.2	1.6
	PCB for main board	1.7	1.6	1.7	1.4	1.1	1.9	1.6	1.9	1.4	1.8
Whether to ignite cotton?	Plastic enclosure 1	No	No	No	No	No	No	No	No	No	No
	Plastic enclosure 2	No	No	No	No	No	No	No	No	No	No
	PCB for main board	No	No	No	No	No	No	No	No	No	No
Whether the cotton is melted Light?	Plastic enclosure 1	No	No	No	No	No	No	No	No	No	No
	Plastic enclosure 2	No	No	No	No	No	No	No	No	No	No
	PCB for main board	No	No	No	No	No	No	No	No	No	No

Classification: V-0 to V-2 (see Table 1)

Conclusion: Plastic enclosure 1/ Plastic enclosure 2/ PCB for main board V-0 requirements

Table 1

Standard condition	V-0	V-1	V-2
Afterflame time t1/t2(s) for each sample	≤ 10S	≤ 30S	≤ 30S
5 samples afterflame time t1/t2(s)	≤ 50S	≤ 250S	≤ 250S
The second and then afterflame time t2(s) + afterburning time t3(s)	≤ 30S	≤ 60S	≤ 60S
Whether to ignite cotton?	No	No	No
Whether the cotton is melted Light?	No	No	Yes





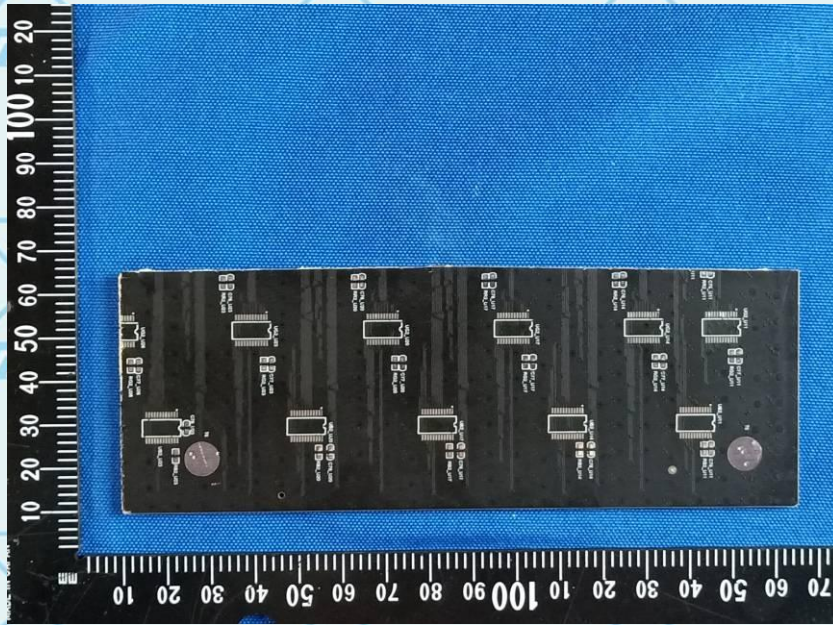
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Appendix 1

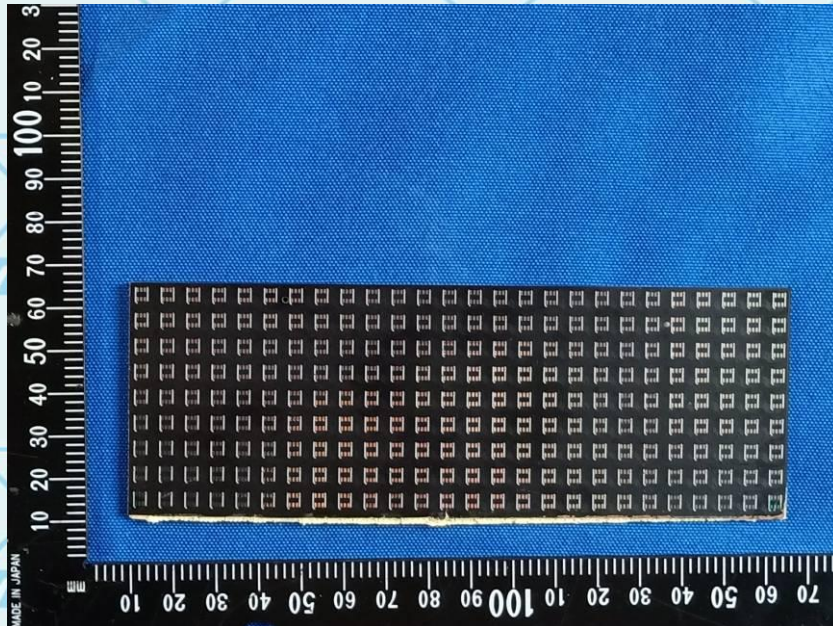
Photo documentation

Photo 1



Whole view for model: PCB for main board

Photo 2



Whole view for model: PCB for main board

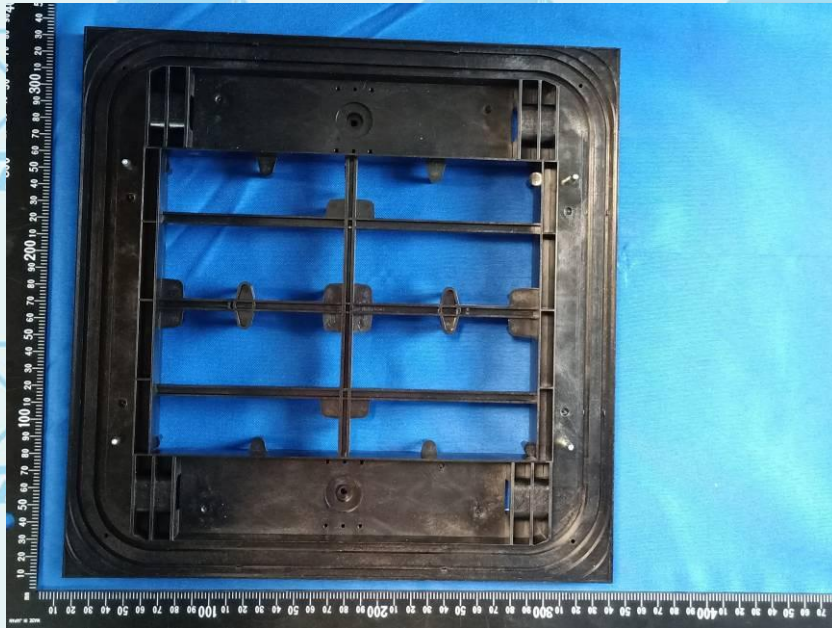




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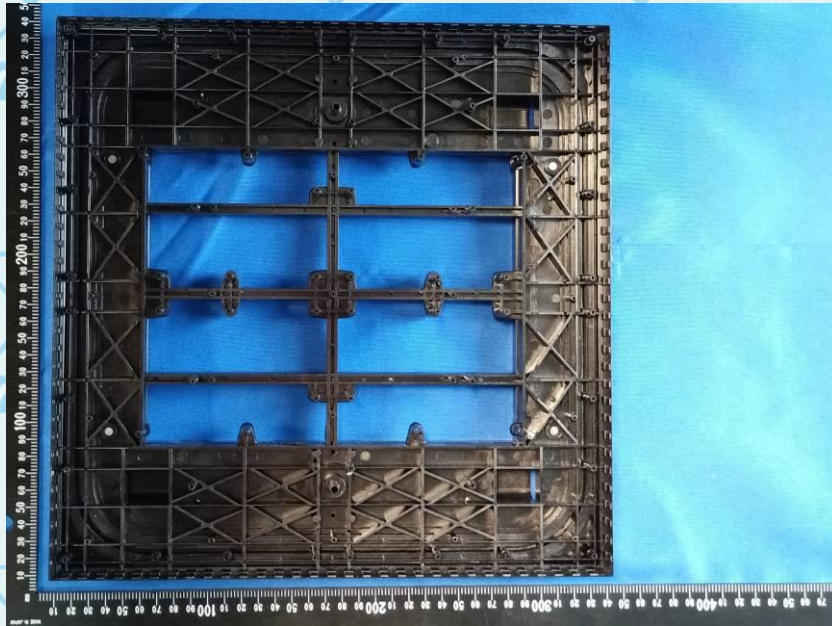
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Photo 3



Cropped test sample: Plastic enclosure 1

Photo 4



Cropped test sample: Plastic enclosure 1

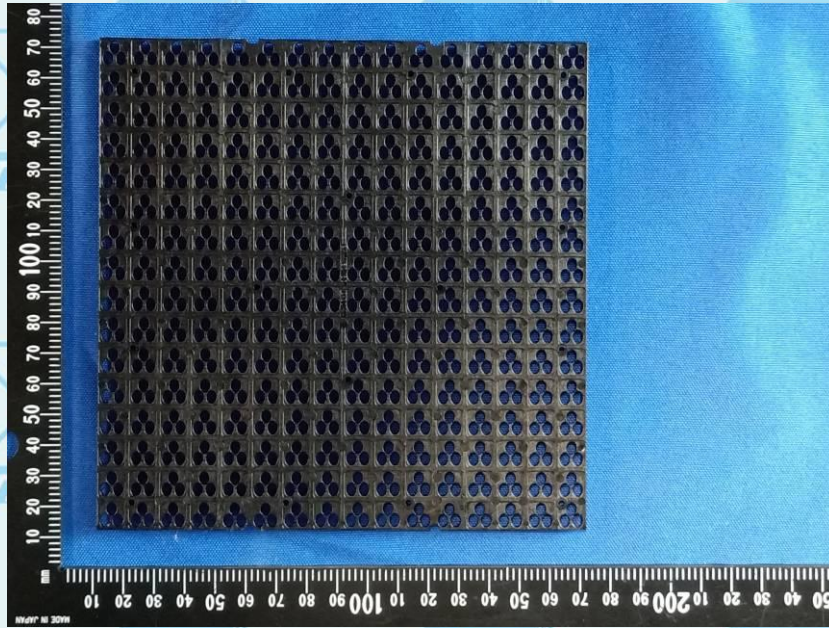




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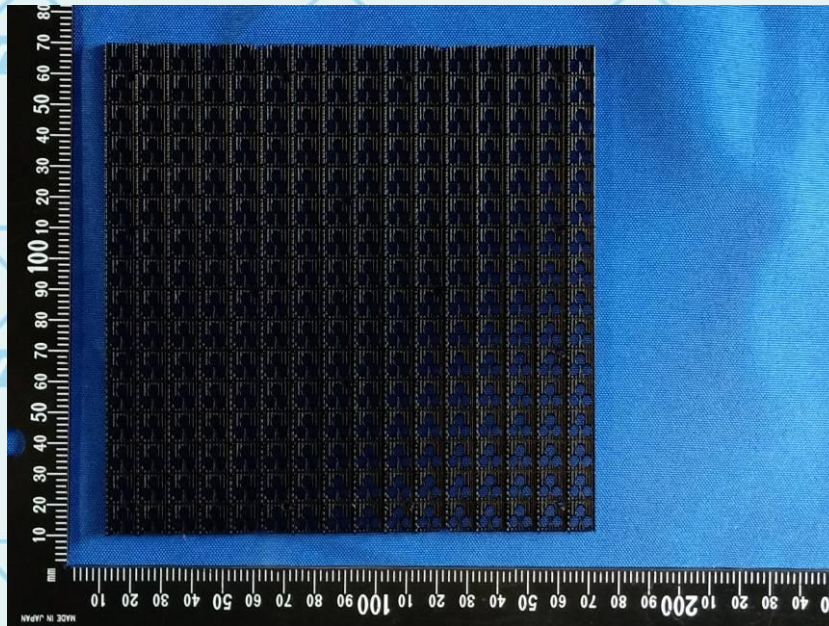
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Photo 5



Cropped test sample: Plastic enclosure 2

Photo 6



Cropped test sample: Plastic enclosure 2





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Appendix 2

Equipment list

Code	Name	Model/ Type	S/N	Calibrated date	Next Calibration Date	Manufacture	Used or not
WSCTE E-014	Temp.&Humi. Chamber	GDJS- 500-40	0329	2022.05.06	2023.05.05	Guangzhou Gongwen	✓
WSCTE E-021	Digital Caliper	(0~ 150)mm	300609	2022.03.11	2023.03.10	Shanghai	✓
WSCTE E-121	Horizontal vertical combustion tester	DTE-DF	--	2022.05.06	2023.05.05	Shenzhen Huacetong	✓

---End---

