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**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB 19651.3-2008

**Miscellaneous lamp holders -- Part 2-2: Particular requirements
-- Connectors for LED-modules**

杂类灯座 第2-2部分：LED模块用连接器的特殊要求
(English Translation)

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Foreword

All technical content in this section is mandatory.

GB 19651 "Miscellaneous lampholders" is divided into three parts.

--- Part 1. General requirements and tests;

--- Part 2-1. Particular requirements for S14 lamp socket;

The first part --- 2-2. LED module with special requirements connector.

This is Part 2-2 GB 19651's.

This section should be used with GB 19651.1-2008, it is appropriate in terms of GB 19651.1-2008 supplement or repair Formulated from the following changes.

This section identical with IEC 60838-2-2:2006 "Miscellaneous lampholders Part 2-2. LED module connector special requirements" (English Chinese Version).

For ease of use, this section made the following editorial changes.

- a) "IEC 60838-2-2 This part" be replaced by "GB 19651 of the present section";
- b) Remove the IEC 60838-2-2 foreword;
- "." C) used in place of a decimal point as the decimal point, "";
- d) For other international standard IEC 60838-2-2 has been cited as tantamount to the adoption of standard references used in this section of these national standards or industry standards instead of the corresponding international standards (see Part 2 of this chapter).

This part is proposed by the China National Light Industry Council.

This part of the National Electric lighting Standardization Technical Committee (SAC/TC224) centralized.

This section drafted by. China Quality Certification Center, Beijing Institute of electric light source, Tongxiang Shenghui Lighting Appliance Co., Ltd., Shenzhen City Miao Ho hi-tech Development Co., Ltd., Shunde District of Foshan City, State Electric Co., Ltd., Zhongshan Xin Qi Wire Connector Factory.

1.1 Scope

GB 19651 of this section applies to miscellaneous built-in connector (including LED module (module) internal connection connector), the connector Member-based LED module PCB (printed circuit board) used together.

1.2 Normative references

The following documents contain provisions which, through reference in this Part of GB 19651, constitute provisions of this part. For dated reference documents Member, all subsequent amendments (not including errata content) or revisions do not apply to this section, however, encouraged to reach under this section Parties to research agreement to use the latest versions of these documents. For undated reference documents, the latest versions apply to this section.

GB 19651.1-2008 determined in 1.2 and the following normative references apply to this section.

GB/T 2423.10-2008 Environmental testing for electric and electronic products Part 2. Test methods Test Fc. Vibration (sinusoidal) (IEC 60068-2-6:1995, Environmentaltesting-Part 2. Tests-TestFc. Vibration (sinusoidal), IDT) GB/T 2423.22-2002 Environmental testing for electric and electronic products Part 2. Test methods - Test N. Temperature change (IEC 60068-2-14. 1984, Environmentaltesting-Part 2. Test-TestN. Changeoftemperature, IDT) GB

19651.1-2008 Miscellaneous lampholders - Part 1. General requirements and tests (IEC 60838-1:2004, IDT) IEC 60068-2-30:2005 Basic environmental testing procedures Part 2-30. Tests - Test Db and guidance. Damp heat, cyclic test (12 + 12h cycle)

2 Terms and definitions

GB determined following terms and definitions 19651.1-2008 Chapter 2 apply to this section.

The solid-containing apparatus can be issued P-N junction by current excitation light radiation [GB/T 2900.65 in 845-04-40].

A combined light source. In addition to the one or more light emitting diodes (LED), but may also include additional elements, such as optical, mechanical, electrical, and Electronic components (under consideration).

3 General requirements

In accordance with the requirements of GB 19651.1-2008 Chapter 3.

4 General conditions for tests

In accordance with the requirements of GB 19651.1-2008 Chapter 4 and the following conditions apply.

16.1, 16.2 and 4.1 for the chapter 19 of each test shall be carried out on three other samples.

5 Standard ratings

5.1

The maximum rated voltage of AC 50V.

Note: The equivalent maximum dc voltage 120V (under consideration).

GB 19651.3-2008/IEC 60838-2-2:2006

5.2

Minimum rated current of 10mA, the maximum rated current of 3A.

5.3

rated operating temperature range. -30 °C ~ + 65 °C.

Unless the entire system is restricted to indoor use, otherwise the system should be consistent with a lower temperature. Related Precautions and see Symbol GB 7000.1-2007.

NOTE: In the automotive industry, usually requires a minimum temperature of -40 °C.

Category 6

GB 19651.1-2008 accordance with the requirements of Chapter 5.

7 Logo

In accordance with Chapter 6 GB 19651.1-2008 requirements.

NOTE: small size components may be required to reduce the height of the letters and symbols.

8 Protection against electric shock

In accordance with the requirements of GB 19651.1-2008 Chapter 7.

9 Terminals

GB 19651.1-2008 accordance with Chapter 8 requirements.

10 Grounding device

In accordance with the requirements of GB 19651.1-2008 Chapter 9.

11 Structure

In accordance with the requirements of GB 19651.1-2008 Chapter 10 and the following conditions apply.

11.1

minimum cross-section of connecting wires to 0.22mm². As the use of ribbon cable (sometimes referred to as flat cable), then the minimum cross-section Area should be 0.09mm². It must be noted that the maximum cross-sectional area above the permitted current load should be considered given nominal 5.2 Flow range.

12 Moisture resistance, insulation resistance and dielectric strength

GB 19651.1-2008 accordance with the requirements of Chapter 11.

13 Mechanical strength

GB 19651.1-2008 accordance with the requirements of Chapter 12.