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

GB/T 15157.2-2015

Replacing GB/T 15157.2-1998

**Connectors for frequencies below 3 MHz for use with printed boards -- Part 2:
Detail specification for two-part connectors with assessed quality, for printed
boards, for basic grid of 2.54 mm with common mounting features**

印制板用频率低于3 MHz的连接器 第2部分：有质量评定的具有通用安装特征基本网格2.54 mm的印制板用两件式连接器详细规范

(English Translation)

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Foreword

GB/T 15157 "printed boards with Connectors for frequencies below 3MHz for" consists of the following components.

- Part 1. Generic specification - General requirements and preparation of detail specifications, with assessed quality guidelines;
- Part 2. Evaluation of quality of printed boards having a universal mounting feature basic grid of 2.54mm with two connectors Details specification;
- Part 3. having contacts center spacing of 2.54mm and staggered terminations at the same spacing of the two-piece connecting printed boards Connector;
- Part 4. having a contact pitch of 1.91mm centers and staggered terminations at the same spacing of the two-piece connecting printed boards Connector;
- Part 5. pitch of 2.54mm double-sided PCB with the edge of the receptacle connector and two connectors;
- Part 6. nominal thickness of 1.6mm single-sided or double-sided PCB with contact pitch of 2.54mm edge of the receptacle connector and PCB connectors;

- Part 7. Assessment of quality with common mating features eight fixed and free connectors detail specification;
- Part 8. a square male contacts 0.63mm x 0.63mm PCB basic grid of 2.54mm with two formula Connector;
- Part 9. basic grid of printed boards, backplanes, and cables for a connector two 2.54mm connector;
- Part 10. Anti-mounting a basic grid of 2.54mm PCB with two connectors;
- Part 11. Detail specification for concentric connectors (fixed and free connectors connector size);
- Part 12. Dimensions of the IC socket, general requirements and test methods for detailed specifications;
- Part 13. Evaluation of quality of untouchability having insulation displacement terminations (ID) free connectors, basic grid of 2.54mm Detail specification PCB with two connectors;
- Part 14. Audio, video and audio-visual equipment detailed specification for audio and video low circular connectors.

This section is GB/T Part of 215,157.

This section drafted in accordance with GB/T 1.1-2009 given rules.

This Part replaces GB/T 15157.2-1998 "PCB Connectors for frequencies below 3MHz Part 2. Evaluation of quality PCB has a universal mounting feature basic grid 2.54 mm with two connectors detailed specification. " This portion GB/T 15157.2-1998 compared to the main changes are as follows.

- Increasing the variety W two connectors and related requirements;
- Current carrying capacity of "all contacts" to "signal contacts" (see 723, 1998 Edition 7.2.3.);
- Increased crosstalk requirements (see 7.2.7);
- Added "Appendix C inductive test methods." this section uses the translation method is equivalent to using IEC 60603-2:1995 "PCB Connectors for frequencies below 2 3MHz Part of.

Assessed quality PCB with common mounting features basic grid 2.54mm (0.1in) with two connectors detailed specification "and repair Change a single 1 (2000).

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

- Modify the standard name;

--- Remove the imperial units;

--- Delete references to normative documents and content without the corresponding standard number.

Please note that some of the content of this document may involve patents. Release mechanism of the present document does not assume responsibility for the identification of these patents.

This part is proposed by the Ministry of Industry and Information Technology of the People's Republic of China.

This section is under the jurisdiction of the National electronic equipment Electromechanical components for Standardization Technical Committee (SAC/TC166).

This section is drafted. Guizhou Space Appliance Co., Ltd., Shenzhen Dinuo Wei Technology Co., Ltd., China Electronics Standardization Institute Study hospital.

1 Scope

GB/T 15157 apply to this part of the relevant two-piece printed circuit board connectors. The group connector range from a high density of the contact member Low voltage connector (varieties B and C) to have less contact high current and high voltage connector (species D, E, F, G and H). It also W varieties suitable for two-piece connector that is used for frequencies above 3MHz, additional grounding requirements, an increase of C-shaped ground plate (shield) of Connector.

This section also applies to the two varieties of M-type connector. The varieties have two, four or six holes are equipped with different types of special contacts, such as coaxial, high voltage or current contacts (see Appendix B), the remaining 78, 60 or 42 holes equipped with the same varieties C connector the contacts.

This section also applies to species Q, R, S, T, U and V two-piece connector male contacts mounted on a fixed plate mounted connectors, Female contacts mounted on the free board mounted connector.

All connectors have the same installation characteristics, regardless of their different usage characteristics. Of the connector mounted on the printed circuit board Branch has access terminal applicable to IEC 60326-3:1991 and complies with the provisions of GB/T 1360-1998 the provisions of 2.54mm grid PCB.

Free board mounted connector having a mating end solder or flat quick-connect fixing plate mounted connector has soldering, insulation displacement connectors, wire wrap, Threaded end and a mating end flat quick-connect. Fixing plate mounted connector terminations arrangement should apply in line with GB/T 1360-1998 2.54mm predetermined grid motherboard, and wiring technology is suitable for automation.

2 Normative references

The following documents for the application of this document is essential. For dated references, only the dated version suitable for use herein Member. For undated references, the latest edition (including any amendments) applies to this document.

GB/T 1360-1998 printed circuit grid system (idt IEC 60097:1991) GB/T 2421-1999 Environmental testing for electric and electronic products - Part 1. General (idt IEC 60068-1. 1988) GB/T 5095.2-1997 electronic equipment - Basic testing procedures and measuring methods - Electromechanical components - Part 2. General examination, electrical Continuity and contact resistance tests, insulation tests and voltage stress test (idt IEC 60512-2. 1985) GB/T 5095.3-1997 electronic equipment - Basic testing procedures and measuring methods - Electromechanical components - Part 3. Current - carrying capacity test Test (idt IEC 60512-3. 1976) GB/T 5095.4-1997 electronic equipment - Basic testing procedures and measuring methods - Electromechanical components - Part 4. Dynamic stress test Test (idt IEC 60512-4. 1976) GB/T 5095.5-1997 electronic equipment - Basic testing procedures and measuring methods - Electromechanical components - Part 5. Impact tests (from