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

GB/T 15157.12-2011

**Connectors for frequencies below 3 MHz for use with printed boards --
Part 12: Detail specification for dimensions, general requirements and
tests for a range of sockets designed for use with integrated circuits**

频率低于3MHz的印制板连接器 第12部分：集成电路插座的尺寸、一般要求和试验方法详细规范

(English Translation)

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Foreword

GB/T 15157 "for frequencies below 3MHz Printed board connectors" is divided into 14 parts.

--- Part 1. Generic specification - General requirements and preparation of detail specifications, with assessed quality guidelines

--- Part 2. Evaluation of quality with common mounting features basic grid of 2.54mm (0.1in) of PCB with two formula Detail specification

--- Part 3. contact center spacing and terminations center staggered pitch of 2.54mm are two connectors Details specification

--- Part 4. contact center spacing and terminations center staggered pitch of 1.91mm are two connectors Details specification

--- Part 5. pitch of 2.54mm double-sided PCB fork socket connector and two connectors detailed specification

--- Part 6. nominal thickness of 1.6mm or double-sided PCB with contact pitch of 2.54mm

cutlery socket PCB connectors and connector detail specification

--- Part 7. having a common mating features eight fixed and free connectors with assessed quality Detail specification

--- Part 8. There is 0.63mm x 0.63mm square male contacts basic grid of 2.54mm two-piece printed circuit board connectors Detail specification

--- Part 9. basic grid of 2.54mm of the back panel and cable connectors, two-piece PCB connector detail specification

--- Part 10. Direction of a basic grid of 2.54mm two-piece PCB connector detail specification

--- Part 11. Detail specification for coaxial connector (free connectors and fixed connectors size)

--- Part 12. Dimensions of the IC socket, general requirements and test methods for detailed specifications

--- Part 13. Freedom connector insulation displacement terminals for non-assessed quality of basic grid of the two-piece 2.54mm PCB connector detail specification

--- Part 14. Audio, video and audio-visual equipment detailed specification for audio and video low circular connectors this part of GB/T 15157 "for frequencies below 3MHz Printed board connectors" Part 12.

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

This section identical with IEC 60603-12:1992 "for frequencies below 3MHz Printed board connectors - Part 12. Integrated circuit plug Block dimensions, general requirements and test methods for detailed specifications. " this part of IEC 60603-12:1992 made the following editorial changes.

a) Remove IEC 60603-12:1992 in the preface.

b) increase the GB/T 5095.1-1997 and GB/T 5095.8-1997 in reference file.

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).

1 Scope

This section provides dual in-line integrated circuit (see IEC 60191-2. 1966 provisions, such as A-50) socket sizes, generally Sum test methods.

Socket includes a standard type (see Figures 6 and 7) and a small housing type (see Fig. 8 and 9).

This section applies to the receptacle having a predetermined plate insertion through terminations for compliance with GB/T 1360-1998 for the provision of basic grid 2.54mm (0.1in) PCB.

Small shell socket can be side to side and end to end mounted on a 2.54mm (0.1in) Grid.

This section does not include a test Burn outlet.

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 1031-2009 Geometrical product specifications surface contour method (GPS) Surface texture roughness parameters and their values GB/T 1360-1998 printed circuit grid system (idt IEC 60097:1991) GB/T 5095.1-1997 electronic equipment - Basic testing procedures and measuring methods - Part Electromechanical components 1. General (idt IEC 60512-1:1994) 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 60512-2:1994) 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 Electromechanical components for electronic equipment - Basic testing procedures and measuring methods - Part 5. Impact tests (Free components), static load tests (fixed components), endurance tests and overload tests (idt IEC 60512-5:1992) GB/T 5095.6-1997 Electromechanical components for electronic equipment - Basic testing procedures and measuring methods - Part 6. Climatic tests and Soldering tests (idt IEC 60512-6. 1984) GB/T 5095.7-1997 electronic equipment - Basic testing procedures and measuring methods Electromechanical components - Part 7. Mechanical operating test Test and tightness test (idt IEC 60512-7:1993) GB/T 5095.8-1997 Electromechanical components for electronic equipment - Basic testing procedures and measuring methods - Part 8. Connector contact and terminations of mechanical tests (idt IEC 60512-8:1993) IEC 60191-2. Mechanical standardization of semiconductor devices - Part 21966. Dimension (Mechanicalstandardizationof semiconductordevices-Part 2. Dimensions)