

Harmonized system of quality assessment for electronic components Sectional specification: Two-part and edge socket connectors for printed board application

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Committees responsible for this British Standard

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- British Telecommunications
- Electronic Components Industry Federation
- Electronic Engineering Association
- Ministry of Defence
- National Supervising Inspectorate
- Society of British Aerospace Companies Limited
- Telecommunication Engineering and Manufacturing Association (TEMA)

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National foreword

This British Standard has been prepared under the direction of the Electronic Components Standards Committee. It is identical with CENELEC Electronic Components Committee (CECC) 75100:1984 including Amendment 1 “*Harmonized system of quality assessment for electronic components: Sectional specification: Two part and edge socket connectors for printed board application.*”

This standard is a harmonized specification within the CECC system.

On publication of BS EN 175100 this standard will be declared obsolescent but will remain valid for existing qualification approvals until further notice.

Terminology and conventions. The text of the CECC specification has been approved as suitable for publication as a British Standard without deviation. Some terminology and certain conventions are not identical with those used in British Standards.

Cross references. The British Standard which implements CECC 00100 is BS 9000 “*General requirements for a system for electronic components of assessed quality*” Part 2:1983 “*Specification for national implementation of CECC basic rules and rules of procedure*”.

International Standard	Corresponding British Standard
	BS 308 <i>Engineering drawing practice</i>
ISO/R 129:1959	Part 2:1972 <i>Dimensioning and tolerancing of size</i> (Technically equivalent)
	BS 4500 <i>ISO limits and fits</i>
ISO/R 286:1962	Part 1:1969 <i>General, tolerances and deviations</i> (Technically equivalent)
ISO 1000:1981 ^a	BS 5555:1981 <i>Specification for SI units and recommendations for the use of their multiples and of certain other units.</i> (Identical)
	BS 308 <i>Engineering drawing practice</i>
ISO 1101:1983 ^b	Part 3:1972 <i>Geometrical tolerancing.</i> (Technically equivalent)
IEC 68	BS 2011 <i>Basic environmental testing procedures</i>
IEC 68-1:1982	Part 1.1:1983 <i>General and guidance.</i> (Identical)
IEC 410:1973	BS 6001:1972 <i>Sampling procedures and tables for inspection by attributes.</i> (Technically equivalent)
IEC 512	BS 5772 <i>Specification for electromechanical components for electronic equipment: basic testing procedures and measuring methods</i>
IEC 512-1:1976	Part 1:1979 <i>General</i> (Identical)
IEC 512-2:1976	Part 2:1979 <i>General examination, electrical continuity and contact resistance tests, insulation tests and voltage stress tests</i> (Identical)
IEC 512-3:1976	Part 3:1979 <i>Current carrying capacity tests</i> (Identical)

^a Referred to in the text as ISO/R 1000 prior to revision as an International Standard.

^b Referred to in the text as ISO/R 1101 prior to revision as an International Standard.

International Standard	Corresponding British Standard
CECC 00007:1978	BS E9007:1975 <i>Harmonized system of quality assessment for electronic components. Basic specification: sampling plans and procedures for inspection by attributes</i> (Identical)
CECC 00009:1980	BS CECC 00009:1982 <i>Harmonized system of quality assessment for electronic components. Basic specification: Basic testing procedures and measuring methods for electromechanical components</i> (Identical)

The references to IEC 27 and IEC 50(581), for which there are no corresponding British Standards, are for information only.

A British Standard does not purport to include all the necessary provisions of a contract. Users of British Standards are responsible for their correct application.

Compliance with a British Standard does not of itself confer immunity from legal obligations.

Summary of pages

This document comprises a front cover, an inside front cover, pages i to iv, the CECC title page, pages ii to iv, pages 1 to 22, an inside back cover and a back cover.

This standard has been updated (see copyright date) and may have had amendments incorporated. This will be indicated in the amendment table on the inside front cover.

English version

Harmonized System of Quality Assessment for
Electronic Components

SECTIONAL SPECIFICATION:
**TWO PART AND EDGE SOCKET
CONNECTORS FOR PRINTED
BOARD APPLICATION**

Système Harmonisé d'Assurance de la Qualité
des Composants Electroniques

SPECIFICATION INTERMEDIAIRE:
**CONNECTEURS
EN DEUX PARTIES ET LES
CONNECTEURS ENCARTABLES
POUR CARTES IMPRIMEES**



1 Issue
Edition
Ausgabe

CECC 75100

1984

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Foreword

The CENELEC Electronic Components Committee (CECC) is composed of those member countries of the European Committee for Electrotechnical Standardization (CENELEC) who wish to take part in a harmonized System for electronic components of assessed quality.

The object of the System is to facilitate international trade by the harmonization of the specifications and quality assessment procedures for electronic components, and by the grant of an internationally recognized Mark, or Certificate, of Conformity. The components produced under the System are thereby accepted by all member countries without further testing.

This specification has been formally approved by the CECC, and has been prepared for those countries taking part in the System who wish to issue national harmonized specifications for TWO PART AND EDGE SOCKET CONNECTORS FOR PRINTED BOARD APPLICATION. It should be read in conjunction with the current regulations for the CECC System.

Preface

This sectional specification (SS) was prepared by CECC WG 25 "Low frequency connectors". It is based, wherever possible, on the Publications of the International Electrotechnical Commission and in particular on IEC 512: Electromechanical Components for Electronic Equipment; Basic Testing Procedures and Measuring Methods.

The text of this SS was circulated to the CECC for voting in the documents listed below and was ratified by the President of the CECC for printing as a CECC Specification.

Document	Date of Voting	Report on the Voting
CECC (Secretariat) 965	August 1981	CECC (Secretariat) 1073

NOTE This specification does not conform completely with the requirements of CECC 00400.

1 Scope

This sectional specification relates to connectors particularly designed for use with printed boards in equipment for telecommunication and in electronic devices employing similar techniques.

Connectors essentially designed for use at frequencies exceeding 3 MHz are not covered.

The object of this SS is to establish uniform specification methods and type testing requirements for connectors for printed board applications and to establish rules for the preparation of DS.

In the event of conflict between this SS and the DS, the requirements of the DS shall prevail.

2 General

2.1 Related documents

In each case the latest issue of the document prior to the date of issue of this document is valid.

- | | |
|--------------|--|
| ISO/R/1000 | : Rules for the use of units of the International system of units and selection of the decimal multiples and submultiples of the SI units. |
| IEC 27 | : Letter symbols to be used in electrotechnology. |
| IEC 50 (581) | : International Electrotechnical Vocabulary (Electromechanical components for electronic equipment). |
| IEC 68 | : Basic environmental testing procedures. |
| IEC 410 | : Sampling procedures and tables for inspection by attributes for electronic components of assessed quality (see CECC 00007). |
| IEC 512 | : Electromechanical components for electronic equipment; basic testing procedures and measuring methods (see CECC 00009). |
| CECC 00007 | : Sampling procedures and tables for inspection by attributes for electronic components of assessed quality. |
| CECC 00009 | : Basic testing procedures and measuring methods for electromechanical components. |
| CECC 00100 | : Basic Rules (1974) |

2.2 Terminology

The terminology used in and applicable to this specification is included in IEC 50 (581).

IEC Publication 512 also contains applicable terms.

For the purpose of this specification, the following additional terms and definitions shall apply.

2.2.1

type

connectors within a particular sub-family, such as one-part connectors (edge socket connectors) or two-part connectors

2.2.2

style

a particular connector within a type

2.2.3

variant

variations within a type and style, or within a group of related connectors

2.2.4 Examples

Family : Connectors

Sub-family : Connector for printed boards

Type : Two-part connector for printed boards

Style : A particular external mounting configuration such as rectangular, flange mounting

Variant : Number of contacts, polarization, termination etc.