

Detail specification: Two-part connectors for printed boards having a grid of 2,54 mm, short version in compliance with CECC 75 101-801, with assessed quality

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

Käesolev Eesti standard EVS-EN 175101-809:2002 sisaldab Euroopa standardi EN 175101-809:1999 ingliskeelset teksti.

Standard on kinnitatud Eesti Standardikeskuse 18.12.2002 käskkirjaga ja jõustub sellekohase teate avaldamisel EVS Teatajas.

Standard on kättesaadav Eesti standardiorganisatsioonist.

This Estonian standard EVS-EN 175101-809:2002 consists of the English text of the European standard EN 175101-809:1999.

This standard is ratified with the order of Estonian Centre for Standardisation dated 18.12.2002 and is endorsed with the notification published in the official bulletin of the Estonian national standardisation organisation.

The standard is available from Estonian standardisation organisation.

ICS 31.220.10

detail specification, electric plugs, electronic equ, electronic equipment and components, mounting characteristics, printed- circuit boards, printed circuits, quality assessment systems, quality assurance progra, quality assurance systems

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English version

Detail Specification:

**Two-part connectors for printed boards having a grid of 2,54 mm,
short version in compliance with CECC 75 101-801,
with assessed quality**

Spécification particulière:

Connecteurs en deux parties pour
circuits imprimés sur une grille de base
de 2,54 mm, version simplifiée en
conformité avec la CECC 75 101-801,
pour l'assurance de la qualité

This European Standard was approved by CENELEC on 1999-10-01. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration.

Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Central Secretariat or to any CENELEC member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CENELEC member into its own language and notified to the Central Secretariat has the same status as the official versions.

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CENELEC

European Committee for Electrotechnical Standardization
Comité Européen de Normalisation Electrotechnique
Europäisches Komitee für Elektrotechnische Normung

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Foreword

At the request of the Technical Committee CENELEC TC 48B, LF connectors, the text of CECC 75 101-809:1996, Issue 1, was submitted to the formal vote for conversion into a European Standard. It was approved by CENELEC as EN 175101-809 on 1999-10-01.

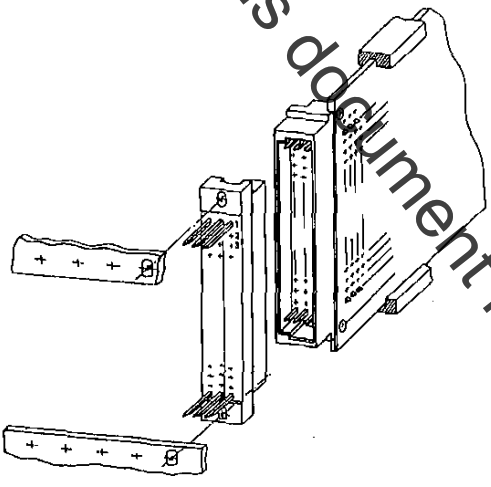
The following date was fixed:

- latest date by which the EN has to be implemented
at national level by publication of an identical
national standard or by endorsement (dop) 2000-10-01

This Detail Specification is to be used in conjunction with EN 61076-4:1996.

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CECC WG25: LF Connectors Specification available from the addresses shown on the inside cover.	EN 175101-809
ELECTRONIC COMPONENTS OF ASSESSED QUALITY – DETAIL SPECIFICATION IN ACCORDANCE WITH EN 61076-4:1996	Page 3 of 37 pages
See 5 for dimensions 	1 SCOPE Two-part connectors for printed boards having a grid of 2,54 mm, short version in compliance with CECC 75 101-801 Issue 2 (1993), with assessed quality. Basic grid 2,54 mm, common mounting features, 16 to 48 contacts, normal (male contacts in free board connectors) and reversed versions Terminations: solder, press-in, wrap, press-in + wrap and press-in + wrap + rear plug up Performance levels (PL): 1, 2, 3 Assessment levels: B and G (*) Combinations of performance and assessment levels: 1G, 2B, 2G, 3B

Climatic categories: PL1 55/125/56
 PL2 55/125/21
 PL3 40/080/00

Electrical characteristics: see 7.2

Mechanical characteristics: see 7.3

Ordering information: see 10

(*) see 8 and 9

Information about manufacturers who have components qualified to this detail specification is available in the current CECC 00 200 (Register of Firms, Products and Services Approved under the CECC System).

2 Related documents

The following documents contain provisions which, through reference in this text, constitute provisions of this specification. At the time of publication, the editions indicated were valid. All standards are subject to revision, and parties to agreements based on this specification are encouraged to investigate the possibility of applying the most recent editions of the documents indicated below. Members of IEC and ISO maintain registers of currently valid International Standards.

EN 61076-1	(1995): Connectors with assessed quality, for use in d.c., low frequency analogue and in digital high-speed data applications Part 1: Generic specification
EN 61076-4	(1996): Part 4: Sectional specification - Printed board connectors
IEC 60068-1	(1988): Basic environmental testing procedures Part 1: General and guidance
IEC 60097	(1970): Grid system for printed circuits
IEC 60194	(1975): Terms and definitions for printed circuits
IEC 60326-3	(1991): Printed boards Part 3: Design and use of printed boards
IEC 60352-1	(1983): Solderless connections Part 1: Solderless wrapped connections – General requirements, test methods and practical guidance
IEC 60352-5	(Draft): Solderless connections Part 5: Solderless press-in connections – General requirements, test methods and practical guidance
IEC 60410	(1973): Sampling plans and procedures for inspection by attributes
IEC 60512-1	(1984): Electromechanical components for electronic equipment; basic testing procedures and measuring methods Part 1: General Amendment No. 1 (1988)
IEC 60512-2	(1985): Part 2: General examination, electrical continuity and contact resistance tests, insulation tests and voltage stress tests
IEC 60512-3	(1976): Part 3: Current carrying capacity tests
IEC 60512-4	(1976): Part 4: Dynamic stress tests
IEC 60512-5	(1992): Part 5: Impact tests (free components), static load tests (fixed components), endurance tests and overload tests
IEC 60512-6	(1984): Part 6: Climatic tests and soldering tests
IEC 60512-7	(1993): Part 7: Mechanical operating tests and sealing tests
IEC 60512-8	(1993): Part 8: Connector tests (mechanical) and mechanical tests of contacts and terminations
IEC 60512-9	(1992): Part 9: Miscellaneous tests
IEC 60603-1	(1991): Connectors for frequencies below 3 MHz for use with printed boards Part 1: Generic specification – General requirements and guide for the preparation of detail specifications, with assessed quality Amendment No. 1 (1992)
ISO 272	(1982): Fastener hexagon products widths across flats