

Connectors with assessed quality, for use in d.c., low frequency analogue and digital high-speed data applications - Part 4: Printed board connectors - Section 101: Detail specification for two-part connector modules having a basic grid of 2,0 mm for printed boards and backplanes in accordance with IEC 60917 (IEC 61076-4-101:2001)

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English version

Connectors for electronic equipment
Part 4-101: Printed board connectors with assessed quality -
Detail specification for two-part connector modules, having a basic grid of
2,0 mm for printed boards and backplanes in accordance with IEC 60917
(IEC 61076-4-101:2001)

Connecteurs pour équipements
électroniques

Partie 4-101: Connecteurs pour cartes
imprimées sous assurance de la qualité -
Spécification particulière pour modules de
connecteurs en deux parties, au pas de
base de 2,0 mm, pour cartes imprimées et
fonds de panier selon la CEI 60917
(CEI 61076-4-101:2001)

Steckverbinder für elektronische
Einrichtungen

Teil 4-101: Steckverbinder für gedruckte
Schaltungen mit bewerteter Qualität -
Bauartspezifikation für indirekte
Steckverbindermodule im Raster 2,0 mm
für Leiterplatten und Rückplatten nach
IEC 60917
(IEC 61076-4-101:2001)

SIST EN 61076-4-101:2002

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This European Standard was approved by CENELEC on 2001-10-01. 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.

CENELEC members are the national electrotechnical committees of Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Malta, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

CENELEC

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

Central Secretariat: rue de Stassart 35, B - 1050 Brussels

Foreword

The text of document 48B/1065/FDIS, future edition 2 of IEC 61076-4-101, prepared by SC 48B, Connectors, of IEC TC 48, Electromechanical components and mechanical structures for electronic equipment, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as EN 61076-4-101 on 2001-10-01.

This European Standard supersedes EN 61076-4-101:1998.

The following dates were 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) 2002-07-01
- latest date by which the national standards conflicting with the EN have to be withdrawn (dow) 2004-10-01

Annexes designated "normative" are part of the body of the standard.

Annexes designated "informative" are given for information only.

In this standard, annex ZA is normative and annexes A and B are informative.

Annex ZA has been added by CENELEC.

Endorsement notice

The text of the International Standard IEC 61076-4-101:2001 was approved by CENELEC as a European Standard without any modification.

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Annex ZA (normative)

Normative references to international publications with their corresponding European publications

This European Standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies (including amendments).

NOTE When an international publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60068-1	- ¹⁾	Environmental testing Part 1: General and guidance	EN 60068-1	1994 ²⁾
IEC 60086	Series	Primary batteries	EN 60086	Series
IEC 60352-1	- ¹⁾	Solderless connections Part 1: Wrapped connections - General requirements, test methods and practical guidance	EN 60352-1	1997 ²⁾
IEC 60352-5	- ¹⁾	Part 5: Press-in connections - General requirements, test methods and practical guidance	EN 60352-5	2001 ²⁾
IEC 60410	1973	Sampling plans and procedures for inspection by attributes	-	-
IEC 60512	Series	Connectors for electronic equipment - Tests and measurements	EN 60512	Series
IEC 60917-1	- ¹⁾	Modular order for the development of mechanical structures for electronic equipment practices Part 1: Generic standard	EN 60917-1	1998 ²⁾
IEC 60917-2-2	- ¹⁾	Part 2: Sectional specification - Interface co-ordination dimensions for the 25 mm equipment practice - Section 2: Detail specification - Dimensions for subracks, chassis, backplanes, front panels and plug-in units	EN 60917-2-2	1996 ²⁾

¹⁾ Undated reference.

²⁾ Valid edition at time of issue.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 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 - Capability approval	EN 61076-1	1995
IEC 61076-4	1995	Part 4: Sectional specification - Printed board connectors	EN 61076-4	1996
ISO 1302	1992	Technical drawings - Method of indicating surface texture	-	-

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Connecteurs pour équipements électroniques –

Partie 4-101:

**Connecteurs pour cartes imprimées sous
assurance de la qualité –**

**Spécification particulière pour modules de
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de 2,0 mm, pour cartes imprimées et fonds
de panier selon la CEI 60917**

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Part 4-101:

**Printed board connectors with assessed quality –
Detail specification for two-part connector modules,
having a basic grid of 2,0 mm for printed boards
and backplanes in accordance with IEC 60917**

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Commission Electrotechnique Internationale
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INTERNATIONAL ELECTROTECHNICAL COMMISSION

CONNECTORS FOR ELECTRONIC EQUIPMENT –

**Part 4-101: Printed board connectors with assessed quality –
Detail specification for two-part connector modules,
having a basic grid of 2,0 mm for printed boards
and backplanes in accordance with IEC 60917**

FOREWORD

- 1) The IEC (International Electrotechnical Commission) is a worldwide organization for standardization comprising all national electrotechnical committees (IEC National Committees). The object of the IEC is to promote international co-operation on all questions concerning standardization in the electrical and electronic fields. To this end and in addition to other activities, the IEC publishes International Standards. Their preparation is entrusted to technical committees; any IEC National Committee interested in the subject dealt with may participate in this preparatory work. International, governmental and non-governmental organizations liaising with the IEC also participate in this preparation. The IEC collaborates closely with the International Organization for Standardization (ISO) in accordance with conditions determined by agreement between the two organizations.
- 2) The formal decisions or agreements of the IEC on technical matters express, as nearly as possible, an international consensus of opinion on the relevant subjects since each technical committee has representation from all interested National Committees.
- 3) The documents produced have the form of recommendations for international use and are published in the form of standards, technical specifications, technical reports or guides and they are accepted by the National Committees in that sense.
- 4) In order to promote international unification, IEC National Committees undertake to apply IEC International Standards transparently to the maximum extent possible in their national and regional standards. Any divergence between the IEC Standard and the corresponding national or regional standard shall be clearly indicated in the latter.
- 5) The IEC provides no marking procedure to indicate its approval and cannot be rendered responsible for any equipment declared to be in conformity with one of its standards.
- 6) Attention is drawn to the possibility that some of the elements of this International Standard may be the subject of patent rights. The IEC shall not be held responsible for identifying any or all such patent rights.

International Standard IEC 61076-4-101 has been prepared by subcommittee 48B: Connectors, of IEC technical committee 48: Electromechanical components and mechanical structures for electronic equipment.

This second edition of IEC 61076-4-101 cancels and replaces the first edition, published in 1995, and constitutes a technical revision.

The text of this standard is based on the following documents:

FDIS	Report on voting
48B/1065/FDIS	48B/1096/RVD

Full information on the voting for the approval of this standard can be found in the report on voting indicated in the above table.

Annexes A and B are for information only.

This part 4-101 constitutes the detail specification in the IEC quality assessment system for electronic components (IECQ) for two-part connector modules having a basic grid of 2,0 mm for printed boards and backplanes in accordance with IEC 60917.

The QC number that appears on the front cover of this publication is the specification number in the IEC Quality Assessment System for Electronic Components (IECQ).

This publication has been drafted in accordance with the ISO/IEC Directives, Part 3.

The committee has decided that the contents of this publication will remain unchanged until 2005. At this date, the publication will be

- reconfirmed;
- withdrawn;
- replaced by a revised edition, or
- amended.

The contents of the corrigendum of November 2003 have been included in this copy.

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