



National Standards Authority of Ireland

IRISH STANDARD

**I.S. EN 61076-4-115:2003**

ICS 31.220.10

**CONNECTORS FOR ELECTRONIC  
EQUIPMENT  
PART 4-115: PRINTED BOARD CONNECTORS  
- BACKPLANE CONNECTOR FOR INFINIBAND  
EQUIPMENT  
(IEC 61076-4-115:2003)**

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EUROPEAN STANDARD

**EN 61076-4-115**

NORME EUROPÉENNE

EUROPÄISCHE NORM

August 2003

ICS 31.220.10

English version

**Connectors for electronic equipment  
Part 4-115: Printed board connectors –  
Backplane connector for InfiniBand equipment  
(IEC 61076-4-115:2003)**

Connecteurs pour équipements  
électroniques  
Partie 4-115: Connecteurs pour cartes  
imprimées –  
Connecteur de fond de panier pour  
équipement InfiniBand  
(CEI 61076-4-115:2003)

Steckverbinder für elektronische  
Einrichtungen  
Teil 4-115: Steckverbinder für gedruckte  
Schaltungen –  
Rückplatten-Steckverbinder für  
InfiniBand-Geräte  
(IEC 61076-4-115:2003)

This European Standard was approved by CENELEC on 2003-05-01. 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, Hungary, Iceland, Ireland, Italy, Lithuania, Luxembourg, Malta, Netherlands, Norway, Portugal, Slovakia, 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/1288/FDIS, future edition 1 of IEC 61076-4-115, 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 61076-4-115 on 2003-05-01.

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) 2004-03-01
- latest date by which the national standards conflicting  
with the EN have to be withdrawn (dow) 2006-05-01

The International Electrotechnical Commission (IEC) and CENELEC draw attention to the fact that it is claimed that compliance with this document may involve the use of a patent concerning

- a) an electrical connector assembly for establishing electrical contact with contacting devices of external terminals, e.g. with solder points of a circuit board;
- b) an electrical connector assembly for establishing electrical contact with external terminals having contacting devices with contact faces, e.g. with solder points of a circuit board;
- c) an electrical connector assembly with an electrical connector having a connecting position and contacting devices for establishing electrical contact between a first and a second printed circuit board.

The IEC and CENELEC take no position concerning the evidence, validity and scope of this patent right.

The holder of this patent right has assured the IEC that he/she is willing to negotiate licences under reasonable and non-discriminatory terms and conditions with applicants throughout the world. In this respect, the statement of the holder of this patent right is registered with the IEC. Information may be obtained from:

Tyco Electronics Cororation  
PO Box 3608  
Harrisburg, PA 17105-3608  
USA

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights other than those identified above. IEC and CENELEC shall not be held responsible for identifying any or all such patent rights.

Annexes designated "normative" are part of the body of the standard.  
In this standard, annexes A, B and ZA are normative.  
Annex ZA has been added by CENELEC.

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## Endorsement notice

The text of the International Standard IEC 61076-4-115:2003 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	1988	Environmental testing Part 1: General and guidance	EN 60068-1 <sup>1)</sup>	1994
IEC 60352-5	2001	Solderless connections Part 5: Press-in connections - General requirements, test methods and practical guidance	EN 60352-5	2001
IEC 60512	Series	Connectors for electronic equipment - Tests and measurements Part 1: General	EN 60512	Series
IEC 60512-1-100	2001	Connectors for electronic equipment - Tests and measurements Part 1-100: General - Applicable publications	EN 60512-1-100	2001
IEC 60917-2-2	1994	Modular order for the development of mechanical structures for electronic equipment practices 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
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	EN 61076-1	1995
IEC 61076-4	1995	Part 4: Sectional specification - Printed board connectors	EN 61076-4	1996

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<sup>1)</sup> EN 60068-1 includes corrigendum October 1998 + A1:1992 to IEC 60068-1.

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<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 61076-4-001	1996	Part 4: Printed board connectors -- Section 001: Blank detail specification	EN 61076-4-001	1996
ISO 1302	2002	Geometrical Product Specifications (GPS) - Indication of surface texture in technical product documentation	EN ISO 1302	2002

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