



National Standards Authority of Ireland

IRISH STANDARD

I.S. EN 61076-4-104:1999

ICS 31.220.10

**CONNECTORS FOR USE IN D.C.
LOW-FREQUENCY ANALOGUE AND DIGITAL
HIGH SPEED DATA APPLICATIONS. PART
4-104: PRINTED BOARD CONNECTORS WITH
ASSESSED QUALITY DETAIL SPECIFICATION
FOR TWO-PART MODULAR CONNECTORS,
BASIC GRID OF 2,0 MM, WITH TERMINATIONS
ON A MULTIPLE GRID OF 0,5 MM
(IEC 61076-4-104:1999)**

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 61076-4-104

April 1999

ICS 31.220.10

English version

**Connectors for use in d.c. low-frequency analogue and
digital high speed data applications**
Part 4-104: Printed board connectors with assessed quality
Detail specification for two-part modular connectors, basic grid of 2,0 mm,
with terminations on a multiple grid of 0,5 mm
(IEC 61076-4-104:1999)

Connecteurs pour applications
analogiques en courant continu et à
basse fréquence et pour applications
numériques utilisant des débits élevés
pour le transfert des données
Partie 4-104: 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 avec des
connexions au pas multiple de 0,5 mm
(CEI 61076-4-104:1999)

Steckverbinder für Gleichspannungs-
und Niederfrequenzanwendungen sowie
digitale Anwendungen mit hoher
Übertragungsrate
Teil 4-104: Steckverbinder für gedruckte
Schaltungen mit bewerteter Qualität
Bauartspezifikation für indirekte,
modulare Steckverbinder, Raster
2,0 mm, mit Anschlüssen für das
Vielfache des Rasters 0,5 mm
(IEC 61076-4-104:1999)

This European Standard was approved by CENELEC on 1999-04-01. 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, 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/745/FDIS, future edition 1 of IEC 61076-4-104, 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 61076-4-104 on 1999-04-01.

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) 2000-01-01
- latest date by which the national standards conflicting
with the EN have to be withdrawn (dow) 2002-04-01

Annexes designated "normative" are part of the body of the standard.
In this standard, annex ZA is normative.
Annex ZA has been added by CENELEC.

Endorsement notice

The text of the International Standard IEC 61076-4-104:1999 was approved by CENELEC as a European Standard without any modification.

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 ¹⁾	1994
IEC 60352-5	1995	Solderless connections Part 5: Solderless press-in connections General requirements, test methods and practical guidance	EN 60352-5	1995
IEC 60410	1973	Sampling plans and procedures for inspection by attributes	-	-
IEC 60512-2	1985	Electromechanical components for electronic equipment - Basic testing procedures and measuring methods 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 on contacts and terminations	-	-
IEC 60512-9	1992	Part 9: Miscellaneous tests	-	-

1) EN 60068-1 includes the corrigendum October 1988 and A1:1992 to IEC 60068-1.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
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		
+ A1	1992		EN 60603-1	1998
IEC 60917	1988	Modular order for the development of mechanical structures for electronic equipment practices	EN 60917	1990
IEC 60917-2-2	1994	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 - Capability approval	EN 61076-1	1995
IEC 61076-4	1995	Part 4: Sectional specification - Printed board connectors	EN 61076-4	1996
IEC 61076-4-001	1996	Part 4: Printed board connectors Section 001: Blank detail specification	EN 61076-4-001	1996
ISO 468	1982	Surface roughness - Parameters, their values and general rules for specifying requirements	-	-

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