

Connectors for frequencies below 3 MHz for use with printed boards —

**Part 3: Two-part connectors for printed
boards having contacts spaced
at 2,54 mm (0,100 in) centres and
staggered terminations at that same
spacing**

The European Standard EN 60603-3:1998 has the status of a
British Standard

ICS 31.220.10

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National foreword

This British Standard is the English language version of EN 60603-3:1998. It is identical with IEC 60603-3:1987.

The UK participation in its preparation was entrusted by Technical Committee EPL/48, Electromechanical components for electronic equipment, to Subcommittee EPL/48/2, Connectors for electronic equipment, which has the responsibility to:

- aid enquirers to understand the text;
- present to the responsible international/European committee any enquiries on the interpretation, or proposals for change, and keep the UK interests informed;
- monitor related international and European developments and promulgate them in the UK.

A list of organizations represented on this subcommittee can be obtained on request to its secretary.

From 1 January 1997, all IEC publications have the number 60000 added to the old number. For instance, IEC 27-1 has been renumbered as IEC 60027-1. For a period of time during the change over from one numbering system to the other, publications may contain identifiers from both systems.

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Summary of pages

This document comprises a front cover, an inside front cover, pages i and ii, the EN title page, pages 2 to 16 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.

This British Standard, having been prepared under the direction of the Electrotechnical Sector Committee, was published under the authority of the Standards Committee and comes into effect on 15 November 1998

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ISBN 0 580 29297 5

Amendments issued since publication

Amd. No.	Date	Comments

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Descriptors: Electronic components, electric connectors, plug connectors, socket connectors, multi-contact connectors, printed-circuit cards, designation, dimensions, assembling, couplings, connector plugs, bed plates, tests, standard gauges, characteristics

English version

Connectors for frequencies below 3 MHz for use with
printed boards
Part 3: Two-part connectors for printed boards having
contacts spaced at 2,54 mm (0,1 in) centres and staggered
terminations at that same spacing

(IEC 60603-3:1987)

Connecteurs pour fréquences inférieures
à 3 MHz pour utilisation avec cartes imprimées
Partie 3: Connecteurs enfichables à deux
rangées pour cartes imprimées dont les contacts
sont au pas de 2,54 mm (0,1 in) et les sorties
décalées du même pas
(CEI 60603-3:1987)

Steckverbinder für gedruckte Schaltungen für
Frequenzen unter 3 MHz
Teil 3: Indirekte Steckverbinder für gedruckte
Schaltungen mit 2,54 mm (0,1 in)
Kontaktabstand und versetzten Anschlüssen
im gleichen Abstand
(IEC 60603-3:1987)

This European Standard was approved by CENELEC on 1998-01-01. 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

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Foreword

The text of the International Standard IEC 60603-3:1997, prepared by SC 48B, Connectors, of IEC TC 48, Electromechanical components and mechanical structures for electronic equipment, was submitted to the formal vote and was approved by CENELEC as EN 60603-3 on 1998-01-01 without any modification.

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) 1998-12-01
- latest date by which the national standards conflicting with the EN have to be withdrawn (dow) 1998-12-01

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 60603-3:1987 was approved by CENELEC as a European Standard without any modification.

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1 Scope

This standard applies to a group of related rectangular, multicontact, two-part printed board connectors with male and female contacts in conjunction with either solder or solderless terminations (such as wrap type). All connectors have the same contact spacing using the basic grid of 2.54 mm (0.100 in).

The free connectors feature a relatively new method for the attachment of the connector to the printed board. It is accomplished with a series of cantilever solder tabs, which are distributed evenly on both sides of the board. This new method was adopted to meet the following needs:

- a) direct replacement of a socket-connector by a two-piece mother and daughter board connector mated set, without requiring major design changes in the packaging system;
- b) easy access to both sides of a board without having to use plated-through holes;
- c) high density packaging, with components on both sides of the board, without the complication of staggered pins and termination pads.