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Connectors for frequencies below 3 MHz for use with printed boards - Part 14:  
Detail specification for circular connectors for low-frequency audio and video  
applications such as audio, video and audio-visual equipment (IEC 60603-14:1998)

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English version

**Connectors for frequencies below 3 MHz for use with printed boards  
Part 14: Detail specification for circular connectors for low-frequency audio  
and video applications such as audio, video and audio-visual equipment  
(IEC 60603-14:1998)**

Connecteurs pour fréquences  
inférieures à 3 MHz pour utilisation  
avec cartes imprimées

Partie 14: Spécification particulière  
pour les connecteurs circulaires pour  
applications audio et vidéo en basse  
fréquence tels que les équipements  
audio, vidéo et audiovisuels  
(CEI 60603-14:1998)

Steckverbinder für gedruckte  
Schaltungen für Frequenzen unter  
3 MHz

Teil 14: Bauartspezifikation für  
Rundsteckverbinder für niederfrequente  
Audio- und Video-Anwendungen wie bei  
Audio-, Video- und audiovisuellen  
Geräten  
(IEC 60603-14:1998)

This European Standard was approved by CENELEC on 1999-05-01. 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, 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 the International Standard IEC 60603-14:1998, 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 60603-14 on 1999-05-01 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) 2000-08-01
- latest date by which the national standards conflicting  
with the EN have to be withdrawn (dow) 2002-08-01

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.

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## Endorsement notice

The text of the International Standard IEC 60603-14:1998 was approved by CENELEC as a European Standard without any modification.

SIST EN 60603-14:2003

<https://standards.iteh.ai/catalog/standards/sist/cb9f14f7-1ddd-424c-9ff4-de53be8e291d/sist-en-60603-14-2003>

## 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 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 60512-5	1992	Part 5: Impact tests (free components), static load tests (fixed components), endurance tests and overload tests	-	-
IEC 60512-7	1993	Part 7: Mechanical operating tests and sealing tests	-	-
ISO 468	1982	Surface roughness - Parameters, their values and general rules for specifying requirements	-	-

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**NORME  
INTERNATIONALE  
INTERNATIONAL  
STANDARD**

**CEI  
IEC**

**60603-14**

Première édition  
First edition  
1998-02

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**Connecteurs pour fréquences inférieures  
à 3 MHz pour utilisation avec cartes imprimées –**

**Partie 14:**

**Spécification particulière pour les connecteurs  
circulaires pour applications audio et vidéo  
en basse fréquence tels que les équipements  
audio, vidéo et audiovisuels**

[SIST EN 60603-14:2003](https://standards.iteh.ai/catalog/standards/sist/cb9f14f7-1ddd-424c-9ff4-75003110e400/iec-60603-14-1998)

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**Connectors for frequencies below 3 MHz  
for use with printed boards –**

**Part 14:**

**Detail specification for circular connectors for  
low-frequency audio and video applications  
such as audio, video and audio-visual equipment**

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Commission Electrotechnique Internationale  
International Electrotechnical Commission  
Международная Электротехническая Комиссия

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For price, see current catalogue

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## INTERNATIONAL ELECTROTECHNICAL COMMISSION

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## CONNECTORS FOR FREQUENCIES BELOW 3 MHz FOR USE WITH PRINTED BOARDS –

### Part 14: Detail specification for circular connectors for low-frequency audio and video applications such as audio, video and audio-visual equipment

## 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 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 60603-14 has been prepared by subcommittee 48B: Connectors, of IEC technical committee 48: Electromechanical components and mechanical structures for electronic equipment.

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

FDIS	Report on voting
48B/655/FDIS	48B/666/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.

## CONNECTORS FOR FREQUENCIES BELOW 3 MHz FOR USE WITH PRINTED BOARDS –

### Part 14: Detail specification for circular connectors for low-frequency audio and video applications such as audio, video and audio-visual equipment

#### 1 Scope

This part of IEC 60603 applies to circular connectors for low-frequency audio and video applications such as audio, video and audio-visual equipment.

The object of this part of IEC 60603 is to specify the dimensions and the general requirements and tests for the circular connectors for use in audio, video and audio-visual equipment.

#### 2 Normative references

The following normative documents contain provisions which, through reference in this text, constitute provisions of this part of IEC 60603. At the time of publication, the editions indicated were valid. All normative documents are subject to revision, and parties to agreements based on this part of IEC 60603 are encouraged to investigate the possibility of applying the most recent editions of the normative documents indicated below. Members of IEC and ISO maintain registers of currently valid International Standards.

<https://standards.iteh.ai/catalog/standards/sist/cb9f14f7-1ddd-424c-9f81-de53be8e291d/sist-en-60603-14-2003>  
SIST EN 60603-14:2003  
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*

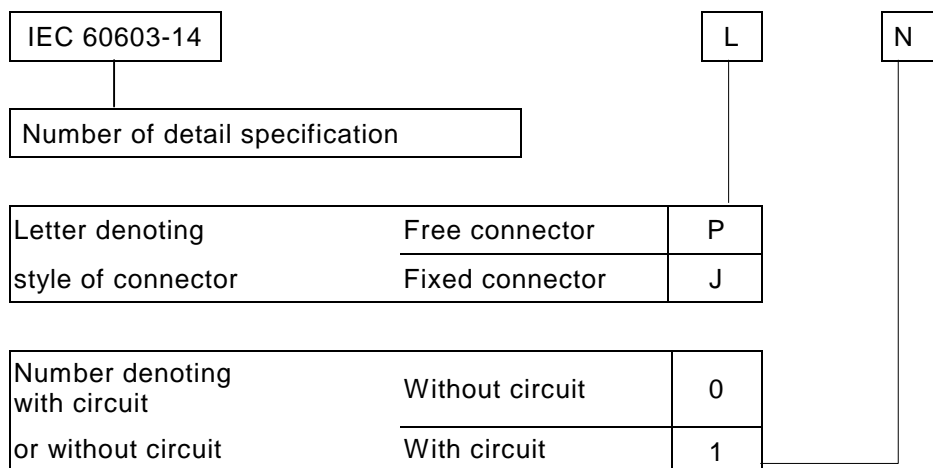
IEC 60512-5:1992, *Electromechanical components for electronic equipment; basic testing procedures and measuring methods – Part 5: Impact tests (free components), static load tests (fixed components), endurance tests and overload tests*

IEC 60512-7:1993, *Electromechanical components for electronic equipment; basic testing procedures and measuring methods – Part 7: Mechanical operating tests and sealing tests*

ISO 468:1982, *Surface roughness – Parameters, their values and general rules for specifying requirements*

#### 3 IEC type designation

The connectors according to this standard shall be designated by the following system.

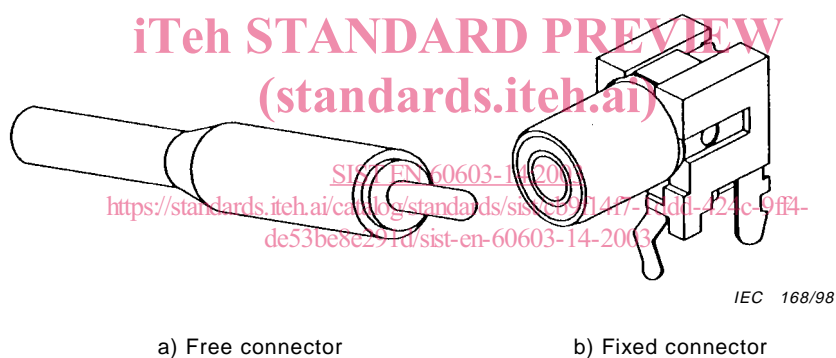


NOTE – "L" stands for letter.

"N" stands for number

Example: Free connector, with circuit IEC 60603-14-P1

#### 4 Isometric view



**Figure 1 – Connectors**