



National Standards Authority of Ireland

IRISH STANDARD

**I.S. EN 60512-12-1:2006**

ICS 31.220.10

**CONNECTORS FOR ELECTRONIC  
EQUIPMENT - TESTS AND  
MEASUREMENTS -- PART 12-1:  
SOLDERING TESTS - TEST 12A:  
SOLDERABILITY, WETTING, SOLDER  
BATH METHOD**

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EUROPEAN STANDARD  
NORME EUROPÉENNE  
EUROPÄISCHE NORM

**EN 60512-12-1**

May 2006

ICS 31.220.10

English version

**Connectors for electronic equipment -  
Tests and measurements  
Part 12-1: Soldering tests -  
Test 12a: Solderability, wetting, solder bath method  
(IEC 60512-12-1:2006)**

Connecteurs pour équipements  
électroniques - Essais et mesures  
Partie 12-1: Essais de soudure -  
Essai 12a: Soudabilité, mouillage,  
méthode du bain d'alliage  
(CEI 60512-12-1:2006)

Steckverbinder für elektronische  
Einrichtungen -  
Mess- und Prüfverfahren  
Teil 12-1: Prüfungen der Lötbarkeit -  
Prüfung 12a: Lötbarkeit, Lötbadverfahren  
(IEC 60512-12-1:2006)

This European Standard was approved by CENELEC on 2006-04-01. 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, Cyprus, the Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, the Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and the 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/1604/FDIS, future edition 1 of IEC 60512-12-1, 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 60512-12-1 on 2006-04-01.

This standard is to be read in conjunction with EN 60512-1 and EN 60512-1-100 which explains the structure of the EN 60512 series.

The following dates were fixed:

- |  |       |            |
|--|-------|------------|
| – latest date by which the EN has to be implemented<br>at national level by publication of an identical<br>national standard or by endorsement | (dop) | 2007-01-01 |
| – latest date by which the national standards conflicting<br>with the EN have to be withdrawn  | (dow) | 2009-04-01 |

Annex ZA has been added by CENELEC.

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## Endorsement notice

The text of the International Standard IEC 60512-12-1:2006 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

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

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 60512-1-1	— <sup>1)</sup>	Connectors for electronic equipment - Tests and measurements Part 1-1: General examination - Test 1a: Visual examination	EN 60512-1-1	2002 <sup>2)</sup>
IEC 60068-2-20	1979	Basic environmental testing procedures Part 2: Tests - Test T: Soldering	HD 323.2.20 S3 <sup>3)</sup>	1988
IEC 60068-2-58	— <sup>1)</sup>	Environmental testing Part 2-58: Tests - Test Td: Test methods for solderability, resistance to dissolution of metallization and to soldering heat of surface mounting devices (SMD)	EN 60068-2-58 + corr. December	2004 <sup>2)</sup> 2004

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<sup>1)</sup> Undated reference.

<sup>2)</sup> Valid edition at date of issue.

<sup>3)</sup> HD 323.2.20 S3 includes A2:1987 to IEC 60068-2-20.



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