
Konektorji za elektronsko opremo – Preskusi in meritve – 12-1. del: Spajkalni preskusi – Preskus 12a: Spajkljivost, ovlaženje, metoda s spajkalno banjico (IEC 60512-12-1:2006)

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

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**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)

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- latest date by which the national standards conflicting with the EN have to be withdrawn (dow) 2009-04-01

Annex ZA has been added by CENELEC.

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	– ¹⁾	Connectors for electronic equipment - Tests and measurements Part 1-1: General examination - Test 1a: Visual examination	EN 60512-1-1	2002 ²⁾
IEC 60068-2-20	1979	Basic environmental testing procedures Part 2: Tests - Test T: Soldering	HD 323.2.20 S3 ³⁾	1988
IEC 60068-2-58	– ¹⁾	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 ²⁾ 2004

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¹⁾ Undated reference.

²⁾ Valid edition at date of issue.

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

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**NORME
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**CEI
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60512-12-1

Première édition
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**Connecteurs pour équipements électroniques –
Essais et mesures –**

**Partie 12-1:
Essais de soudure –
Essai 12a: Soudabilité, mouillage,
méthode du bain d'alliage**

**Connectors for electronic equipment –
Tests and measurements –**

**Part 12-1:
Soldering tests –
Test 12a: Solderability, wetting,
solder bath method**

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Commission Electrotechnique Internationale
International Electrotechnical Commission
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INTERNATIONAL ELECTROTECHNICAL COMMISSION

**CONNECTORS FOR ELECTRONIC EQUIPMENT
TESTS AND MEASUREMENTS –****Part 12-1: Soldering tests –
Test 12a: Solderability, wetting, solder bath method**

FOREWORD

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International Standard IEC 60512-12-1 has been prepared by subcommittee 48B: Connectors, of IEC technical committee 48: Electromechanical components and mechanical structures for electronic equipment.

This standard cancels and replaces Test 12a of IEC 60512-6, issued in 1984, and constitutes a technical revision. This standard is to be read in conjunction with IEC 60512-1 and IEC 60512-1-100 which explains the structure of the IEC 60512 series.

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

FDIS	Report on voting
48B/1604/FDIS	48B/1657/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.

This publication has been drafted in accordance with the ISO/IEC Directives, Part 2.

IEC 60512-12 consists of the following parts, under the general title *Connectors for electronic equipment – Tests and measurements*:

- Part 12-1: Soldering tests – Test 12a: Solderability, wetting, solder bath method
- Part 12-2: Soldering tests – Test 12b: Solderability, wetting, soldering iron method
- Part 12-3: Soldering tests – Test 12c: Solderability, de-wetting
- Part 12-4: Soldering tests – Test 12d: Resistance to soldering heat, solder bath method
- Part 12-5: Soldering tests – Test 12e: Resistance to soldering heat, soldering iron method
- Part 12-6: Soldering tests – Test 12f: Sealing against flux and cleaning solvents in machine soldering
- Part 12-7: Soldering tests – Test 12g: Solderability, wetting balance method

The committee has decided that the contents of this publication will remain unchanged until the maintenance result date indicated on the IEC web site under <http://webstore.iec.ch> in the data related to the specific publication. At this date, the publication will be

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- withdrawn;
- replaced by a revised edition, or
- amended.