

Test methods for electrical materials, printed boards and other interconnection structures and assemblies - Part 5-601: General test methods for materials and assemblies - Reflow soldering ability test for solder joint, and reflow heat resistance test for printed boards

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

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English Version

Test methods for electrical materials, printed boards and other interconnection structures and assemblies - Part 5-601: General test methods for materials and assemblies - Reflow soldering ability test for solder joint, and reflow heat resistance test for printed boards
(IEC 61189-5-601:2021)

Méthodes d'essai pour les matériaux électriques, les cartes imprimées et autres structures d'interconnexion et ensembles - Partie 5-601: Méthodes d'essai générales pour les matériaux et les assemblages - Essai d'aptitude au brasage par refusion pour un joint brasé, et essai de résistance à la chaleur de refusion pour les cartes imprimées
(IEC 61189-5-601:2021)

Prüfverfahren für Elektromaterialien, Leiterplatten und andere Verbindungsstrukturen und Baugruppen – Teil 5-601: Allgemeine Prüfverfahren für Materialien und Baugruppen – Prüfverfahren für die Aufschmelz-Lötfähigkeit für Lötverbindungen und die Aufschmelz-Lötwärmebeständigkeit von Leiterplatten
(IEC 61189-5-601:2021)

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European foreword

The text of document 91/1601/CDV, future edition 1 of IEC 61189-5-601, prepared by IEC/TC 91 "Electronics assembly technology" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN IEC 61189-5-601:2021.

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In the official version, for Bibliography, the following notes have to be added for the standards indicated:

IEC 60068-2-58	NOTE	Harmonized as EN 60068-2-58
IEC 60068-2-78	NOTE	Harmonized as EN 60068-2-78
IEC 61188-5-8	NOTE	Harmonized as EN 61188-5-8
IEC 61189-5-3	NOTE	Harmonized as EN 61189-5-3
IEC 61190-1-1	NOTE	Harmonized as EN 61190-1-1
IEC 61190-1-2	NOTE	Harmonized as EN 61190-1-2
IEC 61249 (series)	NOTE	Harmonized as EN 61249 (series)
IEC 61249-2-7	NOTE	Harmonized as EN 61249-2-7
IEC 61249-2-8	NOTE	Harmonized as EN 61249-2-8
IEC 61760-1:2006	NOTE	Harmonized as EN 61760-1:2006 (not modified)
IEC 62137-1-1	NOTE	Harmonized as EN 62137-1-1
IEC 62137-4:2014	NOTE	Harmonized as EN 62137-4:2014 (not modified)

Annex ZA (normative)

Normative references to international publications with their corresponding European publications

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements 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 1 Where an International Publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

NOTE 2 Up-to-date information on the latest versions of the European Standards listed in this annex is available here: www.cenelec.eu.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60068-2	series	Environmental testing	EN 60068-2	series
IEC 60068-2-14	-	Environmental testing - Part 2-14: Tests - Test N: Change of temperature	EN 60068-2-14	-
IEC 60191-6-2	-	Mechanical standardization of semiconductor devices - Part 6-2: General rules for the preparation of outline drawings of surface mounted semiconductor devices packages - Design guide for 1,50 mm, 1,27 mm and 1,00 mm pitch ball and column terminal packages	EN 60191-6-2	-
IEC 60191-6-5	-	Mechanical standardization of semiconductor devices - Part 6-5: General rules for the preparation of outline drawings of surface mounted semiconductor device packages - Design guide for fine-pitch ball grid array (FBGA)	-	-
IEC 60191-6-19	-	Mechanical standardization of semiconductor devices - Part 6-19: Measurement methods of the package warpage at elevated temperature and the maximum permissible warpage	EN 60191-6-19	-
IEC 60194-1 ¹	-	Printed boards design, manufacture and assembly - Vocabulary - Part 1: Common usage in printed board and electronic assembly technologies	-	-

¹ Under preparation. Stage at the time of publication: IEC/FDIS 60194-1:2020.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60194-2	-	Printed boards design, manufacture and assembly - Vocabulary - Part 2: Common usage in electronic technologies as well as printed board and electronic assembly technologies	-	-
IEC 61190-1-3	-	Attachment materials for electronic assembly - Part 1-3: Requirements for electronic grade solder alloys and fluxed and non-fluxed solid solder for electronic soldering applications	EN IEC 61190-1-3	-
IEC 62137-3	-	Electronics assembly technology - Part 3: Selection guidance of environmental and endurance test methods for solder joints	EN 62137-3	-

INTERNATIONAL STANDARD

NORME INTERNATIONALE

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NORME INTERNATIONALE

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

**TEST METHODS FOR ELECTRICAL MATERIALS, PRINTED BOARDS
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The text of this International Standard is based on the following documents:

Draft	Report on voting
91/1601/CDV	91/1674/RVC

Full information on the voting for its approval can be found in the report on voting indicated in the above table.

The language used for the development of this International Standard is English.

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