



# INTERNATIONAL STANDARD

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**Printed board assemblies –  
Part 3: Sectional specification – Requirements for through-hole mount soldered  
assemblies**

INTERNATIONAL  
ELECTROTECHNICAL  
COMMISSION

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## INTERNATIONAL ELECTROTECHNICAL COMMISSION

### PRINTED BOARD ASSEMBLIES –

### Part 3: Sectional specification – Requirements for through-hole mount soldered assemblies

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International Standard IEC 61191-3 has been prepared by WG 2: Requirements for electronics assemblies, of IEC technical committee 91: Electronics assembly technology.

This second edition cancels and replaces the first edition published in 1998. This edition constitutes a technical revision.

This edition includes the following significant technical changes with respect to the previous edition:

- a) The requirements have been updated to be compliant with the acceptance criteria in IPC-A-610F.

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

CDV	Report on voting
91/1375/CDV	91/1435/RVC

Full information on the voting for the approval of this International Standard can be found in the report on voting indicated in the above table.

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

A list of all parts in the IEC 61191 series, published under the general title *Printed board assemblies*, can be found on the IEC website.

The committee has decided that the contents of this document will remain unchanged until the stability date indicated on the IEC website under "<http://webstore.iec.ch>" in the data related to the specific document. At this date, the document will be

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- withdrawn,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

## PRINTED BOARD ASSEMBLIES –

### Part 3: Sectional specification – Requirements for through-hole mount soldered assemblies

#### 1 Scope

This part of IEC 61191 prescribes requirements for lead and hole solder assemblies. The requirements pertain to those assemblies that totally use through-hole mounting technology (THT), or the THT portions of those assemblies that include other related technologies (i.e. surface mount, chip mounting, terminal mounting).

#### 2 Normative references

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.

IEC 60194, *Printed board design, manufacture and assembly – Terms and definitions*

IEC 61191-1:2013, *Printed board assemblies – Part 1: Generic specification – Requirements for soldered electrical and electronic assemblies using surface mount and related assembly technologies*

IPC-A-610, *Acceptability of Electronic Assemblies*