

JIS

JAPANESE INDUSTRIAL STANDARD

**General rules
for printed wiring boards**

JIS C 5010^{—1994}

Translated and Published

by

Japanese Standards Association

**In the event of any doubt arising,
the original Standard in Japanese is to be final authority.**

1. Scope This Japanese Industrial Standard specifies the general items, the various dimensions including the external dimensions, etc. of the printed wiring boards to be used mainly for electronic equipment (hereafter referred to as "printed boards") and also the items to be specified in relevant detail specifications.

The printed boards mentioned above means single-sided, double-sided and multilayer printed boards employing the copper-clad laminates specified in JIS C 6480.

Remarks: The following standards are cited in this Standard:

JIS C 5001 General rules for electronic components

JIS C 5012 Test methods for printed wiring boards

JIS C 5603 Terms and definitions for printed circuits

JIS C 6480 General rules of copper-clad laminates for printed wiring boards

JIS Z 3282 Soft solder

2. Definitions For the purposes of this Standard, the definitions given in JIS C 5001 and JIS C 5603 apply.

3. Grade The grades which express the precision and quality of patterns on printed board dealt with in this Standard are given below.

These grades are used in such a way that a necessary grade is selected on each item to be specified. Practical assignment of grading shall be made in the detail specification.

Class I: A class for which normal level is required.

Class II: A class for which a high level is required.

Class III: A class for which a specially high level is required.

4. Design standard and tolerance thereon

4.1 Grid dimensions

4.1.1 Basic grid As for grids of printed boards, the grid of metric system shall be used as the standard, and the grid of inch system shall be used only when compatibility with the traditional product is necessary.