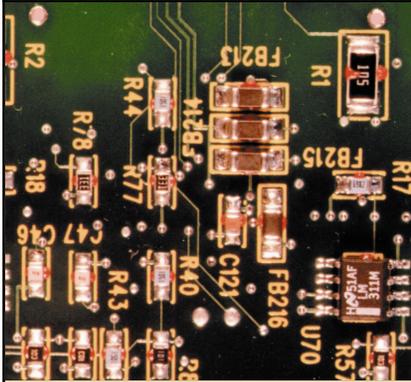


**PRINTED WIRING BOARD
RIGID LAMINATE**



RIGID LAMINATE

A rigid printed wiring board is a board construction method using only rigid base materials to produce what is classically known as a printed wiring board (PWB).

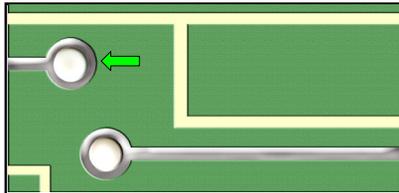
The printed board may be single-sided, double-sided with or without plated-through holes, multi-layer with plated-through holes, multilayer with or without buried / blind vias, and metal core.

See Section 5.01 "Printed Wiring Board, General Requirements", for common accept / reject criteria.



GENERAL REQUIREMENTS

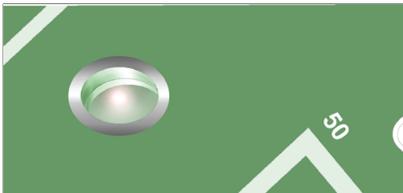
Board is clean, flat, and damage-free. Conductive patterns are sharply defined. Plating and solder mask are of uniform color and finish, holes are properly located, markings are sharply defined and aligned, and electrical / solder termination areas are bright and shiny.



**PREFERRED
SUPPORTED HOLES**

Supported / plated-through holes (PTH) designated for lead insertion exhibit a smooth / even bore and plating, proper diameter, are free of resist, and have symmetrical annular rings.

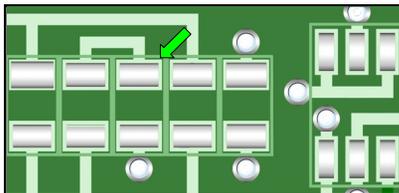
[Best Workmanship Practice](#)



**PREFERRED
UNSUPPORTED HOLES**

Unsupported / non-plated-through holes (NPTH) exhibit smooth / even walls, proper diameter, are free of plating, and have symmetrical annular rings.

[Best Workmanship Practice](#)



**PREFERRED
SURFACE MOUNT TERMINATION PADS**

Electrical / solder termination areas are clean, bright and shiny. Solder mask is of uniform color, finish, and orientation. Markings are sharply defined and properly aligned.

[Best Workmanship Practice](#)

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