

PCB vocabulary



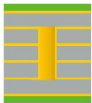
CONDUCTORS

Materials that allow electrons to pass through. In PCBs, conductors connect components.



INSULATION

Materials that **do not** allow electrons to pass through.



VIAS

Vertical holes in a PCB. They let electrons move between layers.



RESISTANCE

A measurement of how hard it is (or not) for electrons to move in a conductor.



TO PLATE

To apply a thin layer of metal.



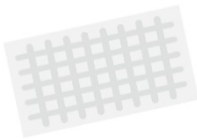
PADS

Places on the PCB's surface to solder components.



SOLDERING

Melted metal to connect a component to the pad.



PREPREG

Fiberglass **pre-impregnated** with epoxy. It is both glue and insulation between layers of copper conductors.



LAMINATE

Layers of cured prepreg.



CORE

Laminate with copper foil on both sides, used inside the PCB.



MICRON

Very small measurement unit.
1 millimeter = 1000 microns



DENSITY

How many components can fit onto this area.



PANELS

Sheets of identical PCBs that make the customer's handling more efficient.

