

PCB type comparison

РСВ Туре	Characteristics	Ideal applications
Single sided PCB	A circuit board with components and traces on one side.	Simple electronic devices, e.g. remote controls, calculators.
Double sided PCB	Traces are placed on both sides of the board, allowing more connections.	Devices with more components, e.g. audio equipment, sensors.
Multilayer PCB	Several layers of copper and insulation laminated together, allowing complex connections.	Advanced applications, e.g. servers, telecommunications equipment.
HDI PCB	High trace density, reduced trace widths and via size.	Devices with a small form factor, e.g. smartphones, tablets, medical equipment.
Flex PCB	The circuit board material is flexible and thus can be bent, twisted and fit into compact spaces.	Wearable electronics, medical devices, aerospace equipment.
Rigid-flex PCB	Combines the features of both rigid and flexible circuit boards into a single assembly, saving space and improving reliability.	Complex applications in medical, automotive and military equipment.
IMS PCB	Aluminium or copper core, excellent heat dissipation.	LED systems, power supply electronics, automotive applications.
RF/Microwave PCB	Optimized for high frequency circuits. Increased signal stability and low signal loss.	Telecommunications, RF devices, radar circuitry, wireless systems.