



coredot circuit

Manufacturer of Printed Circuit Board



COREDOT CIRCUIT LLP

COREDOT CIRCUIT LLP PCB Solutions is A Trusted Name in The Field of Printed Circuit Board (PCB) Design, Manufacturing and Assembly. Based in Rajkot, Gujarat, We Deliver High-Performance PCB Solutions Tailored To Meet The Demands of Modern Electronics With A Focus on Precision, Durability and Innovation, We Support Industries Ranging From Consumer Electronics to Industrial Automation and Advanced Technology Sectors.

Our Mission is To Provide Reliable, Cost-Effective and Technologically Advanced PCB Solutions That Empower Businesses To Build Smarter and More Efficient Electronic Products.

About Us

We Specialize in High-Quality Printed Circuit Boards (PCBS) Designed For Reliability, Precision and Performance. Our Products are Widely Used in Electronics, Industrial Automation, Automotive and Consumer Devices.

What is A Printed Circuit Board (PCB) ?

A Printed Circuit Board (PCB) is The Backbone of any Electronic Device. It Mechanically Supports and Electrically Connects Electronic Components Using Conductive Pathways, Pads and Other Features Etched From Copper Sheets Laminated Onto A Non-conductive Substrate. PCBS Replace Traditional Wiring, Making Devices More Compact, Efficient and Reliable. From Mobile Phones to Complex Industrial Machines, PCBS are Essential in Every Electronic Application.

📍 Survey No.143/1, 143/4, 144/1 Plot No.11, Shree Guru Ind. Park, Opp. KT Dates, At-Ranpur(Navagam), Dist. Rajkot - 360023.

CONTACT US

Ankur Dobariya 📞 +91 90333 18654

📞 +91 95869 41200

Why Choose Us?

High Precision Manufacturing
Latest Technology & Equipment
Fast Delivery
Affordable Pricing
Custom Solutions For Every Need
Dedicated Customer Support

Our PCB Products**1. Single-sided PCB**

One Conductive Copper Layer
Cost-Effective Solution
Ideal For Simple Electronics
Applications: Led Lighting, Power Supplies, Calculators

2. Double-sided PCB

Copper Layers on Both Sides
Higher Circuit Density
Improved Performance
Applications: Amplifiers, HVAC Systems, Power Monitoring Devices

3. Multilayer PCB

3 or More Layers of Circuitry
Compact And High-speed Performance
Advanced Signal Integrity
Applications: Computers, Mobile Phones, Medical Equipment

4. Flexible PCB (Flex PCB)

Bendable And Lightweight
Space-saving Design
High Durability
Applications: Wearable Devices, Cameras, Automotive Electronics

5. Rigid-Flex PCB

Combination of Rigid and Flexible Boards
Reduced Assembly Complexity
Reliable Interconnections
Applications: Aerospace, Military, High & Electronics

Material Options

FR4 (Standard)
High TG FR4
Aluminum PCB (For Heat Dissipation)
Rogers Material (For High-frequency Circuits)



Our Services

PCB Designing
PCB Fabrication
PCB Assembly (SMT & Through Hole)
Prototype to Mass Production
Reverse Engineering
Modification

Quality Assurance

We maintain strict quality control at every stage:
Automated Optical Inspection (AOI)
Electrical Testing
Dimensional Accuracy Checks
Thermal Stress Testing

Industries We Serve

Consumer Electronics
Automotive
Industrial Automation
Telecommunications
Medical Devices
LED Lighting

List Of Machinery

Front End Engineering
• In-house Pcb Design Facility
• Laser Photo Plotter And Developer
• Automatic Film Punching Machine
• Photo-tool Film Protection Machine



TECHNICAL CAPABILITIES

Technical Specifications	Normal	Special
Materials Used	FR-4, FR4 (High-TG), Metal-Core (High-TG)	PTFE
Type of Pcb's	Multilayer, Double Side, Metal-Core (1-12 W) and Single Side	Multilayer Above 6 Layers
Input Media	Gerber Data 274X, Gerber Data D, PCB File, DRL File	-
Approvals	IAFT 16949:2016, UI94-VO, ISO 9001:2015	-
Copper Thickness	12 m To 140 m	Above 140 M
Board Thickness	0.30 mm To 3.20 mm	3.2 mm To 4.5 Mm
Minimum Hole Size (Hinished)	0.30 mm	0.20 mm
Minimum Line Spacing	0.20 mm	0.15 mm
Minimum Line Width	0.20 mm	0.15 mm
Minimum Annular Ring	0.15 mm	0.10 mm
Maximum Panel Size	650 X 550	-
Single Side	1200 X 508	-
Double Side	600 X 508	820 X 508
Multilayer	535 X 406	560 X 450
Minimum Solder Mask Dam	0.15 mm	0.10 mm
Hole Diameter Tolerance PTH	+/-0.075 mm	+/-0.05 mm
Hole Diameter Tolerance NPTH	+/-0.05 mm	NA
Profile Routing Tolerance	+/-0.20 mm	+/-0.12
Aspect Ratio	5.3:1	6.4:1
Surface Finish	Lead Free HASL, Tin-Lead Hasl and Lacquer	Lenig
Solder Mask Colors	Green, Black, White and Blue	All other Colours
Peelable Mask	Top Bottom or Both Sides	NA
Electrical Test	100% (Flying Probe or Fixture Test)	NA
Quaity Standards	IPC-A-600 J/Perfag	NA