

CLIENTELE



CERTIFICATIONS



WHO WE ARE

About Us

Established in 1968, PNC Inc. is one of the largest electronics manufacturing services providers in the northeast. With a track record of excellence and a commitment to quality, we specialize in providing cutting-edge PCB solutions tailored to meet your specific needs.

All manufacturing and assemblies of PCBs are MADE IN USA, at our 60,000 sq. ft facility in Nutley, NJ.

CONTACT US



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TURNKEY PCB MANUFACTURING & ASSEMBLY

MADE IN USA • ALL UNDER ONE ROOF

DESIGN • FABRICATION • ASSEMBLY
TESTING • BOX BUILD

PNC



WWW.PNCONLINE.COM

PCB DESIGN

Taking a customer's concept, idea, schematic, or re-engineering requirements, our design engineers can design a PCB to meet your requirements and specifications.

Capabilities Include:

- Double Sided & Multi-layer designs
- Radial Layouts and Non-standard geometrics
- Digital, Analog, RF, Power, Mixed Technologies
- High Speed/High Density Fine Pitch
- High Power PCB & Flex Circuits
- Software Development

Design Tools:

- Cadence Allegro v16
- OrCAD Capture v16.3 & OrCAD PCB Designer v16.3
- PADS v9
- Signal Integrity Analysis: Hyperlynx

Deliverables:

- Source Design Files
- Schematic
- PCB Layout
- 3D Model of PCBA
- Bill of Materials
- Gerber Files



PCB FABRICATION

PNC Inc. offers 24-hour prototypes and high-volume PCB production. We have the expertise and technology to deliver high-quality, reliable PCBs that exceed industry standards. Manufacturing includes single-sided and multi-layer fabrications using an array of base materials.

Capabilities Include:

- Quick-Turn Prototype and Production PCBs
- Layers: 1-24
- Minimum Trace/Space: 3/3 mils
- Minimum Pad Size: 3 mils
- Board Thickness: 20-250 mils
- Smallest Drill Size: 6 mils mechanical, 3 mils laser
- Impedance Tolerance: 5%
- Vias: Blind, Buried, Filled, In Pad
- Scoring: V-Score, Jump Score, Counter-sink, Counterbore, Beveling, Milling

Materials:

- FR 4
- Polyimide
- Rogers
- Arlon
- Metal Core
- More available upon request
- Halogen-free
- High Frequency
- Taconic
- Nelco
- MEGTRON



PCB ASSEMBLY

PNC Inc. offers top-tier PCB assembly services in the same building as our PCB fabrication. As a leading provider in PCB assembly in the northeast, PNC understands the critical role that precision assembly plays in the success of electronics projects.

Service Offerings Including:

- Full Turnkey, Partial Turnkey, Full Consignment
- Surface Mount Technology (SMT)
- Thru Hole Technology
- Mixed Technology
- PCBA Cleaning
- Conformal Coating

Inspection and Testing

- 3D Solder Paste Inspection
- 3D AOI Inspection
- X-Ray Inspection
- 100% Visual Inspection
- Functional Testing
- Flying Probe Test
- Voltage Testing
- Programming

Box Building

- Plastic enclosures
- Electro-Mechanical assemblies
- Kitting, labeling and packaging
- Direct ship to distributor or end customers

