



Midwest Printed Circuit Services, Inc.

Providing Interconnection Solutions Through Innovative Products

Company Overview:

- ✓ Established in 1984
- ✓ *Dedicated to Total Customer Satisfaction!*
- ✓ 47,000 Square Feet
- ✓ Lead-times From 1 Day to 3 Weeks (standard)
- ✓ Military / Medical / Commercial Applications
- ✓ Rigid, Flexible, and Rigid-Flex Printed Circuit Boards
- ✓ Proud to be American Owned and Operated
- ✓ Every Product is Manufactured in our U.S.A Facilities
- ✓ Combined Management Experience of over 200 years

Technology

- ✓ Printed Circuit Boards up to 24 Layers (higher layer counts are subject to review of data)
- ✓ Rigid, Flex and Rigid-Flex Printed Circuit Boards
- ✓ Blind/Buried Vias
- ✓ Sequential Lamination and Controlled Depth Drill/Plating Capability
- ✓ Heat Sink and Metal Core Printed Circuit Boards
- ✓ Controlled Impedance +/- 10% (+/- 5% on request)
- ✓ Thin and heavy copper weights
- ✓ Exotic Mixed substrates / Multiple Core Types
- ✓ Extreme Environment

Capabilities

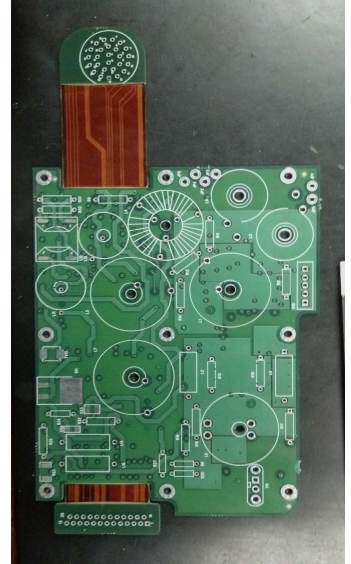
- ✓ Via size to .004"
- ✓ Lines/Space to .003"
- ✓ Via in Pad
- ✓ LPI and Dry Film Solder Mask
- ✓ NASA – Meets or Exceeds Out-gassing Requirements
- ✓ Fully Automated CAM
- ✓ Peelable Solder Mask
- ✓ Raised Profile Plating
- ✓ Deep Ni/Au, Immersion Gold (ENiG), Silver, OSP
- ✓ Lead Free Solder

Materials

- ✓ 370HR
- ✓ 185HR
- ✓ VT47
- ✓ IT180A
- ✓ Getek
- ✓ FR408
- ✓ Polyimide – BT Epoxy
- ✓ Thermagon
- ✓ Teflon/Duroid/PTFE
- ✓ Flexible and Rigid/Flex

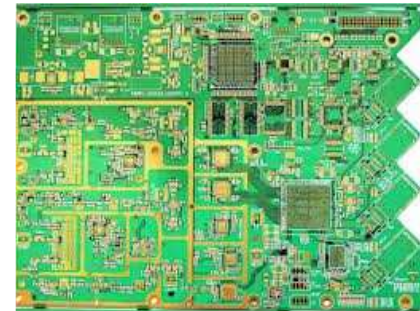
Thermal Management

- ✓ External Heat Sink Boards
- ✓ Internal Metal Core Boards
- ✓ Thermagon Construction (10x thermally conductive substrates & pre-pregs)



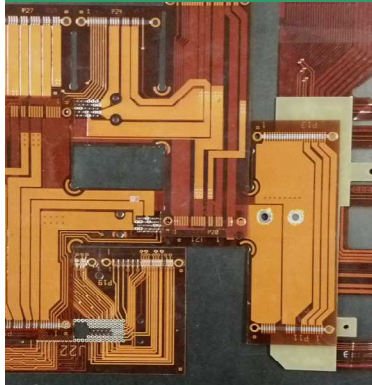
SERVICES

- Quick-Turnaround:
 - Prototype
 - Production
- Full Production
- Design/Layout
- Engineering
- Assembly
- Stocking programs



Commitment to Quality

- MIL-PRF-31032/1/2/3/4
- MIL-PRF-50884
- MIL-PRF-55110 GF & GI
- IPC 6012
- IPC 6013 (Flex & Rigid Flex)
- NADCAP 7004 (In process)
- NADCAP 7119 (In process)
- Approved for Manned Space Flight
- IPC Class 3 Standard
- UL Listed
- ITAR Registered
- ROHS Compliant
- ISO 9001:2015 (In process)



Contacts:

Quoting

MPCS@MidwestPCB.com

Customer Support

Bob Denbo

RDenbo@MidwestPCB.com

Customer Service

Carol Main

CMain@MidwestPCB.com

P: 847.740.4120

F: 847.740.4187



MPCS, Inc.

PCB Manufacturing

1741 Circuit Drive

Round Lake Beach, IL 60073

Phone 847.740.4120

Fax 847.740.4187

MPCS@MidwestPCB.com

WWW.MidwestPCB.COM