LEAD TIME
- **PROTOTYPES** (Up to 10 Manufacturing Panels)
  - Double Sided: 3 Days- Plus Transit
  - Multilayer: 4 Days- Plus Transit
- **PRE-PRODUCTION**
  - Double Sided: 4-5 Days- Plus Transit
  - Multilayer: 5-6 Days- Plus Transit
- **MASS PRODUCTION**
  - Repeat P/Ns: 10 Days- Plus Transit
  - New P/Ns: 15 Days- Plus Transit

SHIPMENTS INCLUDE
- Certificates of Conformance (CofC)
- Electrical Test Certificates
- Cross Section
- RoHS Compliant Materials
- Solder Samples
- Package Labeling

PROGRAM MANAGEMENT
- Scheduled deliveries
- Stocking Programs
- Flexible VMI

PCB PRODUCTION CAPABILITIES
- **STANDARD BOARDS**
  - Single Sided
  - Double Sided
- **MULTILAYER**
  - 4-30 Layer Boards
  - .004” Line Width
  - .004” Air Gap
- **MINIMUM BOARD THICKNESS**
  - .008” (2 layer)
  - .016” (4 layer)
  - .016” +/- 0.004” (6 layer)
  - .032” +/- 0.004” (8 layer)
- **MAXIMUM BOARD THICKNESS**
  - .250”
- **MAXIMUM PANEL SIZE**
  - 24” x 28”
- **MINIMUM DRILL HOLE SIZE**
  - .008”
- **CONTROLLED IMPEDANCE**
  - +/- 5% Standard
- **VALUE-ADDED CAPABILITIES**
  - Blind Vias
  - Buried Vias
  - Micro Vias / HDI Available
- **FABRICATION**
  - N/C Routing
  - V-Scoring/Punching
- **BOARD MATERIALS**
  - FR-4 (Tg135)
  - FR-4 (Tg180)
  - CEM
  - Rogers
  - Teflon
  - Polyimide
- **SURFACE FINISHES**
  - HASL
  - Lead Free-HASL
  - Entek (OSP)
  - Immersion Gold (ENIG)
  - Electrical Gold Plating
  - Immersion Tin
- **SOLDER MASK**
  - LPI Standard
  - Multiple Colors

QUALITY CERTIFICATIONS
- UL 94-V0
- IPC-A-600-G Class 2 and 3
- ISO/TS Certified
- AS9100
- ITAR Compliant
INJECTION MOLDING
We offer a variety injection molding machines ranging from 12-1400 tons. We utilize a wide range of engineering materials in a broad spectrum of injection molding applications, which include IMD, insert molding and overmolding.

ADDITIONAL SERVICES
- UV bonding
- sonic welding
- laser degating
- painting
- shielding
- decorating
- assembly processes
- packaging solutions

FLEX, RIGID-FLEX
We can supply single-sided, double-sided, multilayer and rigid-flex FPC like the following:

SINGLE-SIDED
Covering a layer of preservative after etching the circuit on a single-sided PI coated copper board to form a FPC with single-layer conductor.

NORMAL DOUBLE-SIDED
Covering a layer of preservative on each side of a double-sided PI coated copper board after etching the circuit on the two sides of the board to form a circuit board with double-layer conductor.

MULTI-LAYER
Pressing and gluing several single-sided PI coated copper boards with pressure-sensitive adhesive using the similar technique as that of Double-sided Printed Board with Substrate to form a circuit board with multi-layer conductor structure and a high pliability at the non-glued part.

RIGID-FLEX
Forming a multi-circuit board making use of flexible board’s high pliability and rigid board’s high supporting ability.

FLEX CAPABILITIES
- Up to 12 Layers
- Size up to 10” X 18”
- .0005”, .001”, and .002” base PI material
- .0005”, .001”, .002” and .003” PI coverlay film
- Blind and buried vias
- Eco-Bond available
- PI or FR4 stiffeners
- Laser trimming
- IPC 6013 Class 2 and IPC-A-600 inspection standards
- IPC-TM-650, GB/T4677-2002 Test standards
- Design consultation available

SHEET METAL FABRICATION
CAPABILITIES
- Sheer / punch and Form (bending)
- Materials cold rolled steel, copper & aluminum
- Spot welding Steel & aluminum, Heliarc, Arc & Mig

FINISHING
- Powder coating
- Liquid paint
- Plating
- Silk-screening

TURNKEY
- Engineering & Design, Prototype, to Production
- ESD Electronic Assembly
- Mechanical Assembly
- Function Test to customer specification

“Our relationship with PCB Solutions is a long term strategic partnership which has resulted in mutual success in our respective markets. Their application and implementation of the distributor model for PCB sourcing has been key element in this success. Their on going efforts to provide competitive solutions for our PCB requirements has essentially been seamless. They are truly an extension of our supply chain resources which has allowed our internal resources to concentrate on other elements of our supply chain.”

BOB RIDGEWAY, VICE PRESIDENT OF OPERATIONS, SPECTRUM CONTROLS

PCB Solutions, LLC
1403 N Batavia St., Ste 113
Orange, CA 92867
714-771-3353 Phone
714-771-3640 Fax
info@pcb-solutions.com

714-771-3353 Phone
714-771-3640 Fax
info@pcb-solutions.com