



**TJM**  
ELECTRONICS

ELECTRONICS  
INNOVATION

LEADING  
THE WAY

## Printed Circuit Board & Electro-Mechanical Assembly

**TJM Electronics** is an electronic contract manufacturer located in Bristol, PA specialized in custom PCB assembly and electro-mechanical assembly for customers in the Aerospace and Defense, Medical, Industrial, LED lighting, and Non-commodity consumer electronic markets.

With a broad range of expertise developed over the last 30 years, TJM Electronics' capabilities include custom short or long run PCB assembly from prototypes to full production runs, cable assembly, as well as unparalleled turnkey services for complete box builds.

## WHO WE ARE

We strive to provide responsiveness and accuracy by utilizing modern process methodology, real-time communication, and employee empowerment and training to better help our customers succeed.



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## PCB Assembly

TJM provides high quality PCB assemblies utilizing SMT, through-hole, and mixed technology soldering methods. With mounting speeds up to 45,300 cph, and fine pitch down to 0.3mm, our smart automated assembly lines give us the speed, accuracy, and flexibility to meet the most rigorous and specialized PCB requirements.

## Contract Manufacturing

Our electronic contract manufacturing expertise encompasses a range of services including PCB assembly, cable assembly, box builds, final assembly, and testing. Our smart automated equipment allows us to manufacture simple to complex PCB assemblies up to 460mm wide and 1200mm long in low to high volumes with precision, high reliability, and quick turnaround.

## Electro-Mechanical Assembly

As a part of a total turnkey PCB manufacturing solution, TJM offers custom cable assembly and box builds services. TJM's skilled technicians will source and install cables and sub-assembly components into a customized enclosure to meet your projects requirements. Then they will test the final product to ensure optimal performance.

## Prototyping

Advocates for Design for Manufacturability (DFM), TJM can create your PCBA prototypes, test proof of concept, and evaluate your product's performance to help you ensure the best design outcome at the early stages. Our experts will consult with your design team on fit, form, function, sourcing abilities, and pricing so your team can determine the best next steps for your design.

### EQUIPMENT

- ASM Pick & Place Machines
- 8 Zone & 5 Zone Reflow Ovens
- 3D Paste Inspection Machines
- 3D AOI (Automatic Optical Inspection) Systems
- X-Ray Inspection System
- Stencil Printers
- Wave Solder & Selective Solder Systems

### PROCESSES

- Environmentally Safe Board Cleaning With De-Ionized Water Recycling
- ROSE Testing
- Humidity Controlled Storage for Moisture Sensitive Devices
- IPC Class 2
- High Reliability Class 3

### CERTIFICATIONS

- ISO 9001 : 2015
- J-STD-001
- IPC-A-610
- IPC-WHMA-A-620
- ANSI/ESD-S20.20

### MARKETS SERVED

- Aerospace & Defense
- Medical
- Industrial
- LED Lighting
- Non-Commodity Consumer Electronics

We are also RoHS compliant where required, DDTC registered, recognized by major defense contractors as a "3 Star Supplier," and a preferred supplier list member for electronics contract manufacturing.