

# Electronic Manufacturing Services

## TEAM WITH WAVELENGTH:

**BUILDS ARE ON TIME. ON BUDGET. ON SPEC. NO SURPRISES.**

For over 20 years, we have manufactured high precision electronic assemblies with excellent yield and accuracy. We invite you to leverage our expertise and learn what trouble-free manufacturing looks like.

Why team with Wavelength?

- We give you a competitive advantage:
  - » Fair, comprehensive costing — no surprises
  - » High yields mean no troubleshooting costs later
  - » On-time delivery compatible with JIT planning systems
  - » Design for Manufacturability Review by our Manufacturing Engineers
  - » Quick Turn Engineering prototypes to speed new product introduction (NPI)
  - » Cost-conscious full volume production
- We have state-of-the-art capabilities.
- We listen. We learn your goals and offer options to meet and exceed them. We work hard to be considered a valuable part of your team.



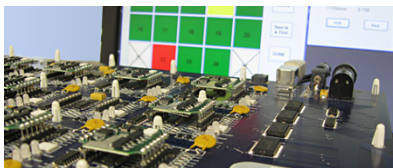
### ELECTRO-MECHANICAL ASSEMBLY

- Design for Manufacturability Evaluation and Process Plan is included in initial assessment
- Technical Program Management
- Box Build
- Cable Harness / Routing
- Heatsink Assembly
- Conformal Coat or Potting
- Well-trained, motivated assemblers



### SMT & SELECTIVE SOLDER

- Single- and Double-Sided Assembly
- Surface-Mount (SMT), Through-Hole, and Mixed Technologies
- Ball Grid Array (BGA) to 0.4mm pitch, and 0402 Packaged Components
- RoHS-compliant or Leaded
- Aqueous Wash or No-Clean Processes
- Two SMT Lines
- Selective Solder Machine for Plate-Through Automation



### MANUFACTURING TEST SERVICES

- Full electrical testing to your protocol ensures 100% accurate build
- Workmanship Standards to IPC Class 2 or 3
- Documentation Management of Bill of Materials and Assembly Instructions
- Moisture Sensitive Parts Handling
- Electro-Static Discharge (ESD) Prevention
- Parts Sourcing ensures only approved parts are used
- Visual Inspections throughout the build



### PURCHASING & INVENTORY CONTROL

- Supply chain management
- Turnkey Component Sourcing — from your BOM and approved supplier list
- Component Cost Reduction
- End-of-Life and Obsolescence Notification & Resolution
- Automated Shipping Systems for FedEx and UPS

406-587-4910

[www.teamWavelength.com](http://www.teamWavelength.com)

# Electronic Manufacturing Services

Our advanced manufacturing facility and well qualified engineers allow us to provide full-service product manufacturing with JIT-dependability, flexibility, and world-class quality.

If you are already using our precision QCL, laser diode, or temperature controllers, we can offer one-stop shopping and reduce your procurement cycle time and shipping costs. If you think our technical service on these parts is world-class, imagine what would happen if we built your entire assembly.



Accurate EMS quoting requires a number of documents up-front to determine the scope of the project. Once we receive the files, it takes about one business day to review and quote the project. If you are interested in having Wavelength Electronics manufacture your next build, please provide us with the following information and files:

NAME:	COMPANY:
EMAIL:	PHONE:
PROJECT NAME:	RAW BOARD REVISION:
	BILL OF MATERIALS REVISION:
HOW MANY PIECES TO QUOTE:	
IDEAL DELIVERY DATE:	
WHAT SERVICES SHOULD WE PROVIDE:	
<input type="checkbox"/> Buy some or all parts	<input type="checkbox"/> Solder on Surface Mount (SMT) parts
<input type="checkbox"/> Solder on Plate-Through parts	<input type="checkbox"/> Attach wire or wiring harnesses
<input type="checkbox"/> Install in chassis	<input type="checkbox"/> Program microprocessor(s)
<input type="checkbox"/> Test	<input type="checkbox"/> Cover with conformal coating or potting compound
<input type="checkbox"/> Special handling, such as, "Do not contaminate boards as they will be used in a clean room or inside a laser assembly"	<input type="checkbox"/> Other

**PLEASE SUBMIT THE FOLLOWING FILES:**

1. Gerber files (if we are not testing the boards, we do NOT need schematics)
2. Bill of Materials spreadsheet with quantities per assembly, manufacturer part numbers, part descriptions and reference designators.

You may submit your quote request

On our website: <http://www.teamwavelength.com/services/emsquote.php>

By telephone: 406-587-4910

By fax: 406-587-4911

Via email: [emsquotes@teamwavelength.com](mailto:emsquotes@teamwavelength.com)

