



# Circuit Tech Assembly, LLC

Circuit Tech Assembly, LLC (CTA) is a provider of Contract Electronic Manufacturing (CEM) services. Established in 2004, we have been providing solutions to our customers for over a decade. It is the goal of CTA to form strategic alliances with our clients in order to meet production goals, reduce costs, and improve the design and manufacturability of their products. CTA is a process driven company that builds quality into our customer's products.

## Design and Engineering

- ECAD : Mentor Graphics PADS PowerPCB  
Shape-based Interactive and Automatic PCB Layout
- Aegis Checkpoint – Bill Of Materials Manager
- Aegis CircuitCam – CAM software for the electronics assembly
- Mechanical Design software – ProEngineer / AutoCAD / Solidworks

The above platforms allow CTA to be a complete provider of Design and Product Revision services. Also, we offer Reverse Engineering services for our customers. CTA is capable of accepting multiple CAD inputs of data, BOM formats, and Gerber data.

## Processes & Operators certified to:

- ISO 9001:2008
- Technicians are Certified IPC Specialists (IPC-A-610D)
- IPC-A-610, Rev. E, Class 2/3, for Commercial / Industrial Ind.
- J-STD-001, Rev. E, Class 2/3, for Defense / Healthcare Ind.
- Aegis Manufacturing Execution System (Paperless Work Floor)
- Full Rework Capabilities available including
- BGA, X-Ray, and Lead Free services.
- CTA uses both No-Clean and Aqueous processes.



## Surface Mount Technology (SMT)

- Fine Pitch to 0.015",  $\mu$ BGA, Odd Form Components
- Lead Free Processes
- Automatic Screen Printer, 29" x 29" – DEK 265 GS
- Pick and Place – MYDATA TP11-UFP Hydra (14K+ cph)
- Agilent Intelligent Feeder System / MyLabel Barcode
- Convection Reflow Oven –BTU VIP98A, 7 Zones
- Hakko SMT rework system

## Plated Through Hole (PTH)

- Pillarhouse Jade S-200 - Selective Soldering System
- Lead Free Processes
- Various Microscopes
- Slide Line
- Component Preparation – Lead Forming

## Printed Circuit Boards

- Your source for Single, Double, & Multilayer boards
- Up to 24 Layers
- From prototype to production quantities

## Other Services

- Low Cost Region Sourcing Agreements
- Electro-Mechanical Assembly – Box Builds
- Wire & Cable Harnesses
- Conformal Coating / Potting
- Quality Programs / Traceability /Component Level Test
- X-Ray Inspection / BGA Void Detection
- Kitting – Consigned & Turn Key
- Testing : ICT, In-Process, Full Functional
- Certified ESD Program



**Lead Free**  
RoHS & WEEE Compliance

