

# CONTRACT MANUFACTURING



QUALITY

SERVICE

COMMITMENT

**WORLD's electronics prides their benchmark reputation on being a customer-driven provider of a full range of turnkey solutions with maximum flexibility. WORLD offers the widest range of cutting edge technology in the market for PCB assembly and remains committed to fulfilling customer needs.**

## **CONTRACT DESIGN AND MANUFACTURING OF ELECTRONIC ASSEMBLIES**

- To ensure our customer's expectations of flexibility, cost and quality, WORLD electronics combines multi-functional customer teams with cutting edge technology.
- Engineering, Design and Layout utilizing Accel EDA (P-CAD) 2002 software
- Quick turn prototypes
- Material Strategies- component warehousing and our vast network of supply partners are utilized to provide competitive pricing
- Surface Mount and Thru Hole assembly: BGA to Discrete's 0201s, CSPs, Doublesided / Mirrored BGA Assembly, Press Fit Connectors
- Plastic, Ceramic and Micro BGA technology with X-ray inspection
- Flip Chip and COB technology
- Au and Al Wire Bonding technology
- Real Time tracking through integrated bar coding systems
- Automated Optical Inspection
- Low to Medium Volume Production
- Higher Level Assembly- box build and configuration of a finished product
- Products Manufactured to meet or exceed IPC 610-2 or -3 standards
- Exceptional Flexibility

## **CUTTING EDGE TECHNOLOGY AND EQUIPMENT**

- MPM UP2000 screen printers visually align stencil with PCB and perform 2D solder paste verification
- 7 - independent Assembleon surface mount lines have combined placement capabilities of 100,000 components per hour (cph) capable of placing 0201 packages
- Teredyne Automatic Optical Inspection (AOI) station
- Philips ACM (Advanced Component Placement) for bare die and Flip Chip devices
- Kulicke and Soffa 8090 large area wedge bonder combines incredible speeds (5 wires/second) with the industry's largest bonding area, finest pitch (5.2 Micron accuracy) capability, and highest reliability.
- White vertical and horizontal "PowerFile" automated inventory retrieval systems
- Data I/O component programmer

## **TESTING**

- WORLD electronics delivers quality, defect-free assemblies through proper utilization of advanced test technologies including In-Circuit (ICT), functional, environmental and system test. WORLD electronics also offers RF test capability
- 2 - Teredyne Z1850 In-Circuit testers
- Agilent 3070 Series II In-Circuit tester
- 2 - Cincinnati Sub Zero Z32 Environmental Test Chambers
- Tenney 942 Environmental Test Chamber
- Hewlett Packard Spectrum Analyzer and signal generator



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