

Manufacturing Capabilities

Technology	Burton Industries Capabilities	Pb Free RoHS
Surface Mount Assembly	Placement: 0.44mm Pitch QFP, 0.4mm Pitch BGA, CSP and 01005 Chip	Yes
Plated Through Hole Assembly	Double-Sided, Wave and Selective Solder	Yes
Double-Sided Mixed Technology	SMT / PTH Double-Sided, Reflow and Selective Solder	Yes
Flex Circuit Assembly	Mixed Technology	Yes
Solder / Flux Process	Low Residue / No-Clean, and Water Soluble Aqueous Wash per Customer Requirements	Yes
Box Build	Full Turn-Key Assembly, Harnesses, Testing	Yes
BGA and μ BGA Assembly	0.4mm Pitch and Up; Maximum 2" Square Packages	Yes
BGA Rework	In-House Rework Equipment, Removal/Placement with vision	Yes
BGA Inspection	ERSA Scope (Digital Magnification), AOI, and X-Ray	Yes
Short Production Runs Prototyping	Quick-Turn PWB, Expedited Parts Acquisition, and Quick-Turn Assembly	Yes
Design for Test	100% Net Access, Tooling Hole Requirements, Pin Targets, Fixture Style, Component Locations	n/a
In-Circuit Test	MDT: Fixtures, Hardware and Software, Component Presence, Value, Orientation, and Net Open/Short Test	n/a
Functional Test	Automated Fixtures, Hardware and Software, Full Component, Circuit, Functional Operation, and Tolerance Test	n/a
Test Jet	Solder/Lead Connectivity Test	n/a
GPIB	Complete Computerized Control, Test Capability Expansion	n/a
Electronic Vision	100% Automated Optical Inspection: Component ID, Orientation, and Solder Joint Inspection	Yes
X-Ray	In-House X-Ray: BGA, Circuit Board, and Other Component Inspection	Yes
In House Design	Circuit Design, Assembly Updates and PWB Layout	Yes
Design for Manufacturing	Complete Assembly DFM Review for Ease of Manufacture and Cost Reductions, BOM "Scrubbing" for RoHS and Lead Free Compliance	Yes
Cable/Harness Assembly	Full Turn-Key Assembly	Yes
Conformal Coating	Masking, Coating, and Inspection	n/a
Potting	Assembly Potting	n/a
Domestic and International Materials Procurement	Worldwide Component, PWB, and Services Sourcing (Including Metal Fabrication, Overlays, Touch Panels, Obsolete Parts, Plastic Injections, Part Substitutions, etc)	Yes
Standards and Classifications	ISO 9000:2001, ISO 13485:2003, J-STD-001 Certified, IPC A-610 Class 2 Standard - Class 3 Available	Yes
Automotive	APQP/FMEA/PPAP All Levels, AIAG Member	Yes
Warehousing and Direct Shipping	Blanket Order Scheduled Deliveries - JIT and Kanban Shipping – Drop Shipping Direct to End Customer	n/a

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