



WELCOME TO BESTPROTO

Your Partner in Rapid Electronics Innovation

BESTProto is a leading U.S. Electronics Contract Manufacturer specializing in quick-turn prototyping and assembly services. Our capabilities range from CCA and PCB prototypes to higher level complex electromechanical box builds, ensuring a seamless path from concept to production.

Serving product development communities throughout the nation since 2005, we have a credible track record of delivering precision, speed, service excellence, and unbeatable value in high-mix, low-volume (HMLV) manufacturing, helping innovators bring products to life, faster and smarter.



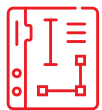
(877) 722-1015 OR (224) 387-3280 <-> INFO@BESTPROTO.NET

BESTPROTO.NET

WHY BESTPROTO

At BESTProto we work directly with the product design and development community, with the companies in need of *quick-turn prototypes* and *high mix / low volume* production runs.

We understand speed and quality, and we've built our reputation on both. We're master-certified in **IPC A610** and **J-STD-001** standards, so your prototypes work the first time.



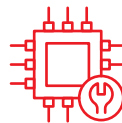
**QUICK-TURN
ASSEMBLY**



**FLEXIBLE
LEAD-TIMES**



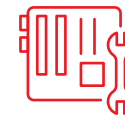
**CONSIGNED MATERIAL
THROUGH TURN-KEY**



**NO MINIMUM
BUILD QUANTITIES**



**DFM
FEEDBACK**



**BOARD
MODIFICATIONS**



**COMPLIANCE &
CERTIFICATIONS**



GENERAL CAPABILITIES

- SMT Assembly, including small odd-shaped boards, up to backplane size
- Rigid, Flex, Rigid-Flex board assembly
- Stencil-less solder printing capability
- Box Builds
- Wire and Cable Harness Assembly
- Process Development
- In-house Conformal Coating



Get Your Prototypes Right **The First Time**

SURFACE MOUNT TECHNOLOGY

- Component values tested prior to placement
- 100% X-ray and endoscopic inspection of leadless devices
- Automated Optical Inspection (AOI)
- 01005 components and 0.4mm BGAs placement
- PoP (Package-on-Package) Assembly
- Cut-tape, trays, or tubes can be utilized
- QFN, LGA and other bottom-terminated packages a specialty



Get Your Prototypes Right **The First Time**

THRU-HOLE TECHNOLOGY

Wave Soldering:

- Tin/lead, lead-free (RoHS) available

Press Fit Connectors and Terminals:

- Tooling design and presses for press fit connectors

Hand Placement:

- Radial and axial, electrolytic caps, connectors, brackets, guides, etc.

Board Cleaning:

- Aqueous closed loop cleaner
- Built-in omega meter allows for pre-set cleanliness levels

Get Your Prototypes Right The First Time



BOARD MODIFICATION & REWORK

Board Modifications:

- We can make physical changes to a board to allow powering up and testing to cut down on board spins

Rework and Repair:

- Performed per IPC 7711 and IPC 7721 standards by IPC trained and certified technicians
- Extensive collection of rework and repair equipment in-house



Get Your Prototypes Right **The First Time**

INSPECTION & TESTING

Inspection Verification:

- AOI (Automated Optical Inspection) with OCR, inspects for part presence, polarity, orientation, markings, tombstone, and billboard issues, as well as solder joint quality
- Trained Inspectors certified and trained to IPC A610D, JSTD, IPC 7711, and IPC 7721 standards
- 100% X-ray and endoscopic inspection of leadless devices, e.g. BGA, QFN, LGA, etc.

Testing & Programming:

- Flash programming
- Functional testing
- Standard test equipment in-house or develop custom test fixtures and procedures
- Component level troubleshooting
- ICT, flying probe, JTAG/Boundary scan available



Get Your Prototypes Right **The First Time**

GET YOUR QUOTE TODAY

CONTACT INFORMATION:

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Get Your Prototypes Right The First Time