



WELCOME TO BESTPROTO

BESTProto is a leading US-based electronics product development partner specializing in Quick-Turn PCB/CCA/electronics prototyping and assembly services, including higher-level electromechanical box builds and rack-mounted device assemblies.

BESTProto is a responsive and dependable EMS/CM committed to delivering precision, speed, and service excellence in high-mix low-to-mid volume (HMLV) orders.



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

BESTPROTO.NET

WHAT SETS US APART

We're Different

How, you ask?

Our people, that's how. Anyone can buy the same tools and equipment. It's our dedicated and talented staff that makes these tools sing. Add to that our broad collective experience with new and time-proven processes and practices from multiple industries, and we have what it takes to help you and your program succeed.

Product Life-cycle is what we're all about

Whether it's a prototype, new product development, current production or legacy product support, our systems were designed to provide efficient support at varying program levels. Our Customer Support team can help with troubleshooting, root cause analysis, and repair.

We Do Things that others can't or won't do

At BESTProto we're used to doing things that don't fit the "norm" of other EMS contract manufacturers. Regardless of complexity, volume, or lack of documentation, we can help you cross the "T's" and dot the "I's" with minimal information and support on your part.

Electronics Assembly

- From simple to complex CCA/PWB/PCB prototyping and electromechanical assembly
- Flex, Rigid-Flex, Aluminum, Ceramic, High-Temp & RF Substrate Assembly
- Expertise in BGA, micro-BGA, LGA, QFN and other leadless device placement
- Fine-pitch, 01005 SMT component placement
- Press-fit connector installation and backplane assembly
- Minimal overages for component kitting
- DFM and DFT Feedback provided
- Component traceability
- All assemblies are built to IPC-A-610 Class 2 and Class 3 standards

Box Builds

- PCB assembly, wiring, hardware and chassis integration, and testing
- Line card, module and other subassembly additions
- Product software setup, programming and configuration
- Serialization, barcoding & other forms of product tracking
- Full cabinet integration configured to your needs

Special Services

- Circuit Board Modification capabilities per IPC 7711/7721 to eliminate board spins
- Design, fabrication, and assembly of I/O Interposer boards
- Addition of traces or jumper wires
- Conformal coating
- BGA Reballing, Gold Mitigation, and Alloy Conversion
- Pre-populated PCB component placement
- In-cavity PCB assembly

OUR CAPABILITIES



BESTProto Inc.

PCB Design & Layout

- Convert from Through-Hole to Surface Mount Technology
- New board design and existing board redesigns
- Board layout and Gerber/ODB++ file generation
- Rigid, Rigid-Flex, and Flex circuits

Inspection & Testing

- Functional PCB Assembly testing, test designs and development
- Pick-and-Place machine automated testing, component value and size verification
- Flying probe and ICT (In-Circuit Testing)
- X-ray, AOI (automated optical Inspection), manual visual, comparator, and endoscopic inspections

Wire and Cable Harnesses

- Ribbon, flex, fiber-optic cable, and Insulation Displacement (IDC) termination
- Wire harnesses, tie wrapping and lacing
- Hook-up wire, crimp and poke, solder cup termination
- Wire prep, lead tinning and soldering
- Wire marking and Product Identification methods

Inventory & Logistics Services

- Customer-managed inventory, component consignment, turn-key or any combination thereof
- Component sourcing of obsolete parts
- On-site test and repair capabilities



INDUSTRIES WE SERVE



Defense & Aerospace
Telecommunications
Manufacturing
Medical
and many more



**CONTACT US TODAY TO DISCUSS YOUR
PRODUCT DEVELOPMENT PROJECT**

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