



November 12th, 2024

DPI CAPABILITIES STATEMENT

Diversified Power International, LLC (DPI), launched in 1997 as a battery charger, automotive and industrial electronics design and manufacturing company. Manufacturing processes have been added throughout the years for vertical integration into production and adding value to our services, all located in one factory, headquarters in eastern TN.

Printed Circuit Board (PCB) Assembly

Populate PCBs up to 457mm (18in) square
Component sizes from 0201 to 55mm
SMT, Through-Hole, BGA or Mixed Technology
Reflow Oven and Selective Point Soldering
Conformal Coating, Potting Processes
In Circuit Testing and JTAG Process
Automated Optical Inspection (AOI) Testing
X-Ray Testing, BGA Repair
Parts Kitting
RoHS compliant

Potting And Over-Molding

UL listed urethane based, flame retardant encapsulant
IP68 Rated construction
Custom Pot Molds design and implementation
Low pressure over-mold suitable for electronics

Transformers And Magnetics

Lamination Type Transformer VA range: 100VA to 5kVA
Split Core, Full Wind, and Ferro-Resonant Designs
Ferrite Core Transformers and Power/Common Mode Inductors
High Frequency Magnetics Design and Production
Edge Wound Coil Winding
Class A, F and Class H Listed Insulation Systems
Terminations include flying leads, embedded connectors

Machining And Tooling

CNC Lathe/Milling, Knee Milling, Cutting, Drilling, Forming
Process most all materials including Metals/Woods/Plastics/Resins, Titanium
Small to medium volume including single piece prototypes

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Intelligently®**



Wire, Cable, And Harness Assembly

Single, jacketed conductor capable including Battery Cable
Wire/Cable Handling of 28AWG to 4-Aught Battery Cable
Sheathed or Channel Construction Wire Harnesses
Terminal Presses, Welding, Soldering - RoHS Compliant

Engineering-Design Services

Cradle to Grave Design and Production Implementation
Design/Develop Schematics, Artworks, and CAD Drawings
Software Design includes Microprocessor Code Development
Electronics Design experience includes Analog/Digital, Mixed Signal,
Microprocessor and Printed Circuit Board layout
Electronics Lab fully furnished with test, measurement, data-logging and
analysis equipment

Box Builds

More than 4 Roller Final Assembly Lines
End-Of-Line Testing
Mixed Technology Assembly
Calibrated Air Drive Tools
Labeling And Packaging

Product Compliance Testing

Product Testing including Hipot, Load & Temperature
Environmental Chamber Temperature
IP6x Ingress Protection Chamber
Salt Fog Chamber

Value Added Services

Warehousing and storage
Parts Sourcing and Kitting
Drop Ship, Scheduling Supply Chain Capable

Compliance

ISO9001:2015, UL, CSA, RoHS, REACH.
Working towards PFAS free recognition