

CUSTOM LAMINATED BUS BARS

For over 30 years, the BUSSCO division of CCI has been manufacturing Bus Bars in a variety of sizes and shapes addressing a full range of electronic devices and systems. These innovative and cost effective custom-engineered solutions are available in a choice of laminated, machined, and powder-coated products designed to improve electrical performance, simplify system packaging, save space, reduce system cost, and improve quality over conventional technology. At BUSSCO, we aim to develop a lead position as a supplier of power distribution solutions to the markets we serve through a total focus on customer needs and customer satisfaction.

Benefits

✦ Superior Electrical & Thermal Performance

- High current & voltage capability
- Large Surface areas
- Low Impedance
- Distributed capacitance
- Grounding and shielding capability

✦ Cost/Performance Advantages

- Denser Packaging

✦ Customized Designs For Ease of Handling and Installation

- Three dimensional shapes
- Various bend angles
- Modular Designs
- Integrated connectors & fasteners
- Terminal identification
- Customer specific terminations

✦ Protection Against Harsh Environments

Manufacturing Capabilities

✦ Prototypes To Large Volume Orders

- Engineering design support
- Minimal tooling investment for prototypes
- Hard tooling is used for larger volume orders

✦ Conductor Material

- Copper
- Brass
- Stainless, Cold Rolled and Galvanized Steel

✦ Conductor Size

- Lengths up to 6.5 feet long
- Copper width is application specific

✦ Plating

- Tin, Gold and Nickel Standard
- Copper plating materials available

✦ Insulation Materials

- Non Rigid: Kapton, Nomex and Mylar/Tedlar
- Rigid: FR4

✦ Edge Sealing

- Potting – Use of epoxy potting on edges
- Pinch-Off – Insulation overlap is laminated together

✦ Edge terminations

- Any shape desired usually fabricated as an integral portion of the conductor

✦ Mounting Holes & Fasteners

- Standard and custom sizes available
- Hardware installation – studs, nuts, & fasteners

✦ Electrical Testing

- Hi-pot up to 10kV AC and DC
- Partial discharge up to 3kV AC, < 1pC events

***Ideal Solutions,
Superior Products,
and Outstanding Service...
that's our commitment to you.***



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Markets Served

⚡ Computers

- Mass memory storage
- Servers



⚡ Industrial

- Power conversion equipment
- Motor drives / Controls
- Fabrication machinery
- Elevator system
- Test equipment
- Inverters



⚡ Transportation

- Recreation vehicles
- Light rail systems
- Electric vehicles
- Earth movers
- Maglev



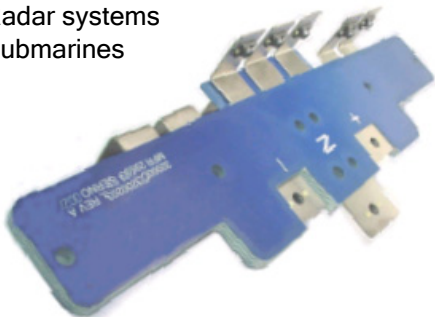
⚡ IGBT Solutions

- High power inverters
- Linear drives
- Motor drives



⚡ Military

- Communication systems
- Missile systems
- Radar systems
- Submarines



⚡ Telecommunications

- Switching systems
- Routers



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