BARGUIDE® CONNECTOR

HIGH CURRENT POWER INTERCONNECTION

BarGuide® connectors provides a high current power interconnection with quick connect/disconnect function for space constrained board-to-board, board-to-busbar, and busbar-to-busbar power distribution applications.

- Large surface contact area ensures small voltage loss, minimum heat generation and low insertion/extraction forces
- Current carrying capacity from 65Amps to 140Amps
- Press-fit tails for mounting on both circuit boards and busbars
- Vertical design for parallel/mezzanine applications



TARGET MARKETS

FEATURES	BENEFITS
▪ High performance spring and silver plating	▪ Low resistance, low voltage drop
▪ Two pin sizes: 3.0 and 6.0mm diameter	▪ Current carrying range delivering 65Amps to 140Amps
▪ Compliant press-fit tails	▪ Convenient to mount on circuit boards or busbars
▪ Wide operating temperature range from -40°C to +125°C	▪ Adaptable to extreme environment
▪ Halogen-free resin	▪ Meets next generation environmental requirements
▪ Low mating force	▪ Reduced plating wear for high durability cycles

TECHNICAL INFORMATION

MATERIAL

- Housing: High Temperature Thermoplastic (UL 94 V-0, halogen free), Black
- Contact Contact: High Conductivity Copper Alloy
- Contact Finish: AGT® Silver Plating over Nickel

MECHANICAL PERFORMANCE

- Durability: 200 mating cycles

APPROVALS AND CERTIFICATIONS

- UL E66906

PACKAGING

- Tray

ELECTRICAL PERFORMANCE

Series	Pin Diameter	Current Rating	Contact Resistance
CBS	3.0mm	65A	1.0mΩ
CBS	6.0mm	140A	0.4mΩ

ENVIRONMENTAL

- Operating Temperature: -40°C to +125°C
- RoHS: this product is compatible according to the European Union Directive 2011/65/EU

SPECIFICATIONS

- Product Specification: GS-12-1260
- Application Specification: GS-20-0424

TARGET MARKETS/APPLICATIONS



AC/DC pluggable power supplies in Telecom & Datacom
Networking Equipment
Switches



Server
Storage



Industrial Equipment
Hyperscale computing architectures using busbars for power distribution

PART NUMBERS

Description	Part Number
CBS 3.0mm vertical plug*	10136378-001LF
CBS 3.0mm vertical receptacle*	10132198-001LF
CBS 6.0mm vertical plug*	10132094-001LF
CBS 6.0mm vertical receptacle*	10132093-001LF

*UL Recognized

PWRBARGUIDE0716EA4

For more information,
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Disclaimer
Please note that the above information is subject to change without notice.