

PwrBlok® Connectors

HIGH CURRENT BUSBAR AND PCB POWER INTERCONNECT

PwrBlok® connectors provide 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. The large surface contact area ensures small voltage loss, minimum heat generation and low insertion/extraction forces.

PwrBlok® connectors use a high performance multi-fingered spring which provides a large surface contact area, thus ensuring small voltage loss, minimum heat generation, and low insertion and extraction forces. The connectors provide a wide current carrying capacity from 65A to 140A, based on specific pin size. PwrBlok® connectors are available with press-fit PCB tails for mounting on both circuit boards and busbars.

- Available in 3.00mm and 6.00mm diameter pins
- Current carrying capacity from 65A to 140A
- Compliant press-fit tails
- Vertical design for parallel/mezzanine applications

FEATURES

- High performance spring and silver plating
- Two pin sizes: 3.00mm and 6.00mm diameter
- Compliant press-fit tails
- Wide operating temperature range from -40°C to +125°C
- Halogen-free resin
- Low mating force



TARGET MARKETS



BENEFITS

- Low resistance and low voltage drop
- Current carrying range delivering 65A to 140A
- Convenient to mount on circuit boards or busbars
- Adaptable to extreme environments
- Meets JEDEC JS709 Electronic Industry Standard
- 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

ENVIRONMENTAL

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

ELECTRICAL PERFORMANCE

Series	Pin Diameter	Current Rating	Contact Resistance
CBS	3.00mm	65A	1.00MΩ
CBS	6.00mm	140A	0.40MΩ

SPECIFICATIONS

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

APPROVALS AND CERTIFICATIONS

- UL E66906

PACKAGING

- Tray

TARGET MARKETS/APPLICATIONS



AC/DC pluggable power supplies
Networking equipment
Switches



Server
Storage



Industrial equipment
Hyperscale computing architectures

PART NUMBERS

Description	Part Numbers
PwrBlok® CBS 3.00mm vertical plug	10136378-001LF
PwrBlok® CBS 3.00mm vertical receptacle	10132198-001LF
PwrBlok® CBS 6.00mm vertical plug	10132094-001LF
PwrBlok® CBS 6.00mm vertical receptacle	10132093-001LF