

3000W EnergyEdge™ X-treme

HIGHEST DENSITY CARD EDGE SERIES

The NEW 3000W EnergyEdge™ X-treme Card Edge series offers the highest linear density available in the market today. The EnergyEdge™ product series features twice as many contact points allowing for a 25% improvement in linear current density when compared to existing card edge products. X-treme's revolutionary dual contact design pushes the boundaries of card edge technology beyond 3000W to power modern system architectures. The EnergyEdge™ series also provides up to a 23% size reduction compared to eHPCE®, carrying 3000W in the same 43mm space. The series features two variations of power contacts, a dual-beam contact option with a pitch of 5.08mm rated at 28A per contact and a 3-beam option at a pitch of 7.62mm rated at 42A per contact. The multiple contact options provide greater flexibility for different pad layouts. The product series is available in right angle, right angle coplanar, vertical, and straddle mount configurations.



TARGET MARKETS



- 25% improvement in current linear density
- 23% size reduction when compared to traditional card edge connectors
- Multiple contact options for different pad layouts
- Available in straddle mount, right angle, right angle coplanar and vertical configurations
- Energy efficient dual contact design with end-of-life contact resistance of just 0.4mΩ

FEATURES

- Dual contact design delivers 3000W at 12V
- Two variations of power contact options
 - 2-beam with a 5.08mm pitch, 28A per contact
 - 3-beam with a 7.62mm pitch, 42A per contact
- Dual contact design with options for both 5-points and 7-points of contacts and silver-based plating
- Available in straddle mount, right angle, right angle coplanar and vertical configurations

BENEFITS

- 25% improvement in current linear density and 23% size reduction when compared to traditional card edge products
- Provides greater flexibility for pad layouts and system architectures
- End-of-life contact resistance of just 0.4mΩ ensures higher efficiency
- Suitable for a wide range of application requirements

TECHNICAL INFORMATION

MATERIAL

- Housing: High temperature thermoplastic UL 94 V-0, black
- Terminal: High conductivity copper alloy
- Power: GXT® plating over nickel
- Signal: GXT® plating over nickel

MECHANICAL PERFORMANCE

- Durability: 200 mating cycles

ELECTRICAL PERFORMANCE

- Current Rating: 42A per contact (7.62mm pitch), 28A per contact (5.08mm pitch)
- Dielectric Withstanding Voltage: 1500V DC for power

ENVIRONMENTAL

- Operating Temperature: -55°C to +105°C
- RoHS Information: This product is compatible according to European Union Directive 2011/65/EU

APPROVALS AND CERTIFICATIONS

- UL
- CSA
- TUV

PACKAGING

- Trays

TARGET MARKETS/APPLICATIONS



Datacom/Networking Equipment
Switches
Telecom



Industrial PCs



Industrial Controls & Instruments