

HIGH DENSITY+ (HD+) CARD EDGE POWER CONNECTORS

Current density and power requirements in servers, switches and storage devices are increasing.

TE Connectivity's (TE) new HD+ card edge connector delivers the highest current density in the market at 15A/2.54mm and supports up to 3000W power supplies for data center equipment.

A unique design with dual layers of DC power contacts and pass-through pin provides multiple mating/contact points to the PCB which helps ensure low contact resistance and supports higher current. The signal pitch is 1.27mm, which is compatible with common industry PCB footprint designs.

APPLICATIONS

- Servers
- Switches
- Storage devices

HD+ Card Edge Power Connectors

Extend the life of your power supply unit with the highest current density power connectors in the market.

High Current Density

- 1.27mm signal contact pitch, 5.08mm power contact pitch
- Power contact current: 31A (average)
- Working voltage: 60V DC

Low Contact Resistance

- Unique dual layer design of DC power contacts and pass-through pins provides multiple mating/contact points to the PCB which helps ensure low contact resistance
- DC power contact: 1 m Ω max
- Provides lower temperature rising and lower power loss on the connector

Common PCB Footprint

- Compact and cost-effective design with common power and signal contact module
- Flexible configuration with different contact quantities and positions
- Better scalability (AC & DC, low power & high power)

Reliable Performance

- Excellent mechanical and electrical performance
- Easy mating/un-mating with proper retention force
- Mating force 80N max with nominal mating PCB

Part Number Information

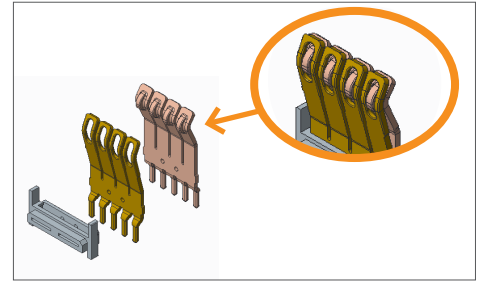
Part Number	Description
2322260-1	HD+ Card Edge Power Connector

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Unique dual-layer and multiple pin contact design

Key Features:

- Width: 7.8mm
- PCB thickness: 1.57mm
- Current: 31A avg. (-15.5A/2.54mm)
- Max. resistance: 0.8 milliohm
- Avg. resistance: 0.3 milliohm
- Mating force: 8.5N/contact

Specifications

- Product spec: 108-128060
- Qualification test report: 501-128061