

HIGH DENSITY CARD EDGE POWER CONNECTOR

While current density and power requirements are increasing, TE Connectivity (TE) has developed a new high density (HD) card edge connector that provides higher current at 25A per contact with low resistance and supports 1500-2000W power supply for data center equipment.

With a maximum operating temperature of 130°C, this connector provides reliable performance in harsh environments. The signal pitch is 1.27mm, which is compatible with common industry PCB footprint designs. The elasticity of the power/signal pins provides lower mating force.

Key Applications:

- Servers
- Switches
- Storage Devices

High Density Card Edge Power Connector

Extend the life of your power supply unit with one of 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: 25A (average)
- Working voltage: 100V

Low Contact Resistance

- 0.4 mΩ average
- Provides lower temperature rise and lower power loss on the connector

Common PCB Footprint

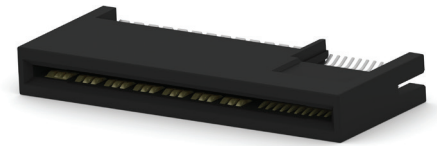
- Compact and cost-effective design with common power and signal contact module
- Flexible configuration with different contact quantities and positions
- Better scalability (AC & DC, low power & high power)

Reliable Performance

- Excellent mechanical and electrical performance
- Easy mating/un-mating with proper retention force
- Mating force 40N max with nominal mating PCB

Part Number Information

PART NUMBER	DESCRIPTION
2204798-1	High Density Card Edge Power Connector



Key Features

- Max. current density: 250A/in
- Width: 7.25mm
- PCB thickness: 1.57mm
- Current: 25A avg. (-12A/2.54mm)
- Max. resistance: 1.0 milliohm
- Avg. resistance: 0.4 milliohm
- Mating force: 6N/contact

Specifications

- Product spec: 108-128053
- Qualification test report: 501-128055
- Application spec: 114-128056

For More Information

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