

STRADA WHISPER R BACKPLANE CONNECTORS

BENEFITS

- Upgrade path to 112G
- Design for 56G PAM-4 backplane applications
- Cost effective solution

APPLICATIONS

- Data centers
- Servers & storage
- Wireless infrastructure (e.g., 5G BBU)
- Optical transport
- Core routing
- Switching

The newest addition to our STRADA Whisper portfolio, STRADA Whisper R high-speed backplane connectors provide an upgrade path from 56G PAM-4 to 112G PAM-4, making future data center system upgrades much easier. A newly-optimized footprint simplifies signal path routing and enables a migration path to 112G.

STRADA Whisper R connectors utilize the same mating interface and are backwards compatible with our existing STRADA Whisper connectors. The STRADA Whisper product family operates with extremely low noise, low insertion loss and little to no skew—all of which provide system architects with design flexibility and high design margin. With 92 Ohm impedance, STRADA Whisper R connectors support both 85 Ohm and 100 Ohm impedance system requirements.

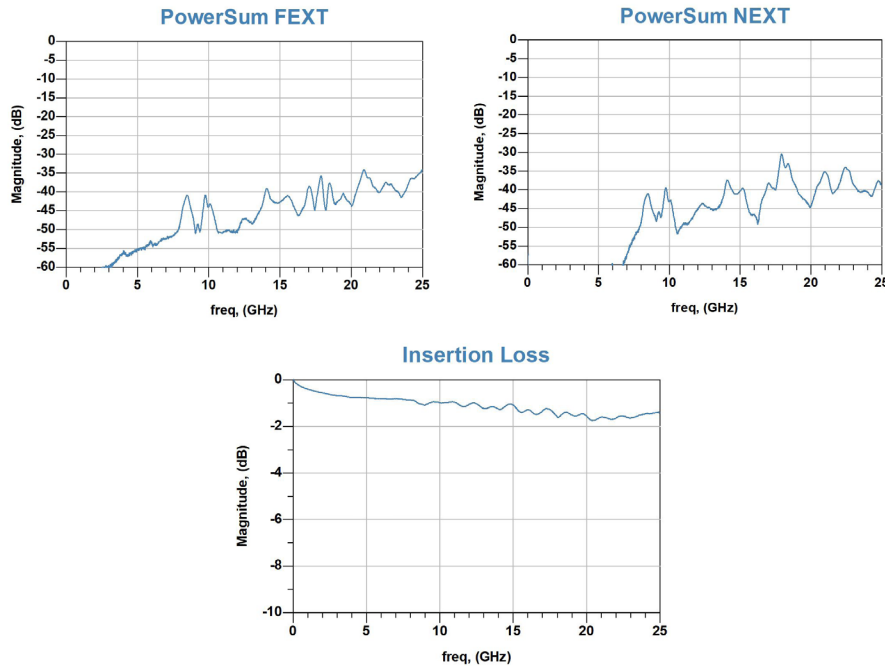
STRADA Whisper R connectors are a more cost effective solution thanks to a new design and a fully automated assembly process.

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STRADA Whisper R Backplane Connectors

SIGNAL INTEGRITY

Electrical models are available upon request



Technical Detail

- Data Rate: 56G PAM4
- Impedance: 92 Ohm
- PCB Termination: Press-fit
- Electrical:
 - Signal LLCR Max Initial: 200 mOhm
 - Insulation Resistance: 1000 M-ohm min
 - Voltage Rating: 80 Vac
 - Current Rating: 0.5A per contact
- Mechanical:
 - Wipe Length: 2.50 mm
 - Mating Force: 2.50 N max per differential pair including ground
 - Unmating Force: 0.31 N min per differential pair including ground
 - Press-fit insertion force: 17.8 N max per contact
- Product Specification: 108-140186
- Application Specification: 114-32029
- PCB routing guide available upon request

AVAILABLE PART NUMBERS

TE Part Number	Connector Type	Configuration
2356426-1	Receptacle	4x4
2356429-1	Receptacle	4x6
2329739-1	Receptacle	4x8
2187724-1	Header	4x4
2187726-1	Header	4x6
2187799-1	Header	4x8

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