

12+ Gbps 0.8mm High-Speed Edge Card Connectors

FLEXIBILITY

PERFORMANCE

DENSITY

Amphenol's .8mm board to board high speed edge card connectors are suitable for a wide variety of applications in datacom systems, enterprise servers, telecommunications equipment, industrial, medical and test.

Design applications including:

- Perpendicular board to board applications requiring high density and high speed single ended or differential signaling
- Elevated mezzanine board stacking designs that require high-density and single ended or differential signaling
- Cable to board interface for coax or twin-ax cabling using a PCB interface

FLEXIBILITY

Flexible stacking heights for parallel board to board applications from (connector is 7.8 high) 16 – 40mm with the use of a PCB riser card

- Perpendicular board to board ability for micro card, midplane, or mini backplane type applications

- Pin counts from 20 to 200 positions
- Robust contact design tolerant of misalignment, enables a reliable connection, and supports blind mate
- Supports XAU1, PCI Express Gen 1/2/3
SATA and other application speeds

PERFORMANCE

Controlled impedance, crosstalk limiting contact design supports speeds up to 12+ Gbps (30 mm stack height)

- Short electrical contact length allows for excellent electrical performance
- Signal integrity

- Differential Impedance is 100+-10% ohms
- Embedded ground plane within riser card limits row to row crosstalk and enhances signal integrity

DENSITY

- Number of Contacts: 20-200
- .8mm pitch card edge



