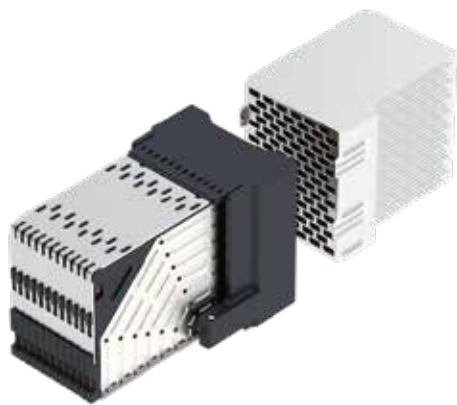


Intrepid Backplane Connector



OVERVIEW

Intrepid® revolutionary architecture sets the benchmark for signal integrity performance in backplane interconnects. Exhibiting smooth linear transmission beyond 40GHz, the lowest crosstalk and IL in the market which support today’ s and future’ s data rates. Intrepid® is design for provides a flexible and scalable platform through use of a simplified connector construction, which can support traditional backplanes, cable backplanes, orthogonal configurations for telecom & Datacom platform.

FEATURES & BENEFITS

- Data rate up to 112G PAM4 support today’ s and future’ s data rates
- Impedance 92ohm
- Fully shielded structure design for better SI performance
- Stronger structural design prevents bent pin risk
- Unique sinking design provides better heat dissipation design
- High density design 2.0mm column pitch and 4.0mm Pair pitch
- Impedance control over 1.5mm connector de-mating

PRODUCT APPLICATIONS

- Server
- Datacenter
- External Storage System
- Supercomputer
- Switches
- Routers
- Wireless Infrastructure
- Telecom Datacom

TECHNICAL INFORMATION

MATERIAL

Contact Base Metal: Copper Alloy  
Contact Area Finish: Gold over Nickel  
Housing: High temperature thermoplastic (UL 94V-0)

MECHANICAL PERFORMANCE

250 mating cycles  
2.2mm column pitch and 4.0mm Pair pitch  
Mating force per Differential Pair: 1.2N MAX  
Unmating force per Differential Pair: 0.35N MIN  
Signal Contact Wipe Length: 1.5mm-2.0mm  
Guide capture : ±2mm X and Y

ELECTRICAL PERFORMANCE

Rate Voltage: 50 VAC per contact  
Rate Current:: 0.50 Amp Max  
Temperature: -40°C to +80°C

ENVIRONMENTAL

Operating temperature: -40°C to +80°C  
storage temperature: -10°C to +60°C

SPECIFICATION

EIA 364

PACKAGING

Tape&Reel

Partial PN Table

PN	Description
PTP064-1510-000-0H	4P8C VH (56G)
PTP064-1520-000-0H	4P8C VH (112G)
PTP064-5510-000-0H	4P8C RAR (56G)
PTP064-5520-000-0H	4P8C RAR (112G)
PTP192-5510-000-0H	6P16C RAR (56G)
PTP192-5520-000-0H	6P16C RAR (112G)
PTP192-5510-100-0H	8P12C OD (56G)
PTP192-5520-100-0H	8P12C OD (112G)
PTP096-1510-002-0H	6P8C VH (56G)
PTP096-1520-002-0H	6P8C VH (112G)
PTP064-5510-100-0H	4P8C OD (56G)
PTP096-5510-000-0H	6P8C RAR (56G)
PTP096-5520-000-0H	6P8C RAR (112G)