

# AIPC

Amphenol Interconnect Products Corp.

## 4X, 12X

## InfiniBand

### Copper Assemblies

Amphenol High Speed Assemblies are ultra-high performance, cost effective solution for gigabit speed applications in data and switched fabric I/O, switches, routers, data storage arrays, and computer clusters. Available in 4 or 12 channels, Amphenol's High Speed Assemblies meet and exceed InfiniBand standards and requirements and have been tested to work at Double Data Rate (DDR)

#### Interface

- > 4X MicroGigaCN™
- > 12X MicroGigaCN™

#### Cable Options

- > 4X Twin Axial SkewClear™ 8 Pair cable
- > 12X Twin Axial SkewClear™ 24 Pair cable
- > High Performance EYE-OPENER® PLUS cable

#### Key Features

- > Compliant to IBTA InfiniBand Architecture Specifications
- > I/O Connector designed for high speed differential signal applications
- > Low insertion loss and low crosstalk
- > Matched impedance (100 ohms as per standard or 150 ohms for custom applications)
- > High precision control and minimization of in-pair and pair to pair skew
- > Adopted by the InfiniBand Architecture Specifications as the 4X and 12X I/O interface
- > Data rates up to 5.0Gbps guaranteed
- > Protocol-specific keying

#### Standards Supported

- > InfiniBand 4X, 12X
- > InfiniBand IBTA Volume 2 Release 1.2

#### Connector Standards

- > SFF-8470

#### Applications

- > Switched fabric I/O such as ultra high bandwidth switches and routers
- > High data rate low latency I/O such as clusters and supercomputers with parallel processing
- > Data Storage and high capacity I/O in Storage Area Networks, and Network Attached Storage
- > Data center cabling infrastructure
- > High density connections between networking equipment

#### Serial Speed

Designed for high speed I/O and high performance processing systems used in routers and computer clusters.

- > InfiniBand 2.5Gbps ( IB )
- > InfiniBand 5.0Gbps ( IB-5G, IB-x2, IB-DDR )



InfiniBand products  
highspeed@aipce.com

# 4X Connector Signal Assignment

