Storage & Server IO

Amphenol

Hyper Cool Edge Connectors (SFF–TA–1037 PMM Connector) for 112G PAM4 and PCIe® Gen 6

MEETS SFF–TA–1037 SPECIFICATION

Amphenol's Hyper Cool Edge Connectors (SFF–TA–1037 PMM Connector) for 112G PAM4 and PCIe® Gen 6 support the Pluggable Multi–purpose Module (SFF–TA–1034) with high–speed, sideband, and power.

- 0.6 mm pitch connector with high–speed, sideband, and power
- Support xPU/CXL/NIC module for data center, server, storage, accelerator, AI, and machine learning applications
- Vertical, right angle, and straddle mount board–to–board connectors, including panel mount cable termination for board–to–cable applications are available
- High–speed 32GT/s to 64GT/s PAM4, able to upgrade to 112GT/s PAM4
- 108 signal pins + 156 signal pins with 2 power pins + 2 power pins interface



TARGET MARKETS

FEATURES

- 4C+ EP receptacle supports x16 PCIe® lanes, sideband, and 200W power
- 108–pin receptacle supports an additional sixteen (16) Tx and Rx PCIe® lanes
- 2–pin power receptacle supports up to an additional 400 W
- Hot–pluggable connector
- Common clock with options for SRIS and SRNS supported by both host and device

BENEFITS

- Supports different board–to–board/cable module applications such as SSD, NIC, and CXL
- Supports xPU/CXL/Smart NIC applications and power modules
- Product portfolio meets standard BTB and BTC applications
- Support single–ended, high–speed diff pairs up to 64G PAM4. Upgradeable up to 112G PAM4

TECHNICAL INFORMATION

TARGET MARKETS/APPLICATIONS

xPU/CXL/NIC Module
Server & Storage
Accelerator
Artificial Intelligence (AI)
Machine Learning

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