iPass+ zHD Internal/External Connectors and Cable Assemblies

iPass+ zHD Connectors and Internal/External Cable Assemblies present next-generation PCIe/SAS solution that delivers 24 Gbps and eliminates midplane connections while improving system airflow and two cable styles for design flexibility

Features and Benefits

SAS 3.0, PCIe Gen 3, SFF 8643 and SAS 4.0 compliant
Meets next-generation as well as many existing industry standards

Internal cable assemblies offered in two versions: one with a 100-Ohm connector and the other with an 92-Ohm SMT connector with a metal latch frame on the receptacle
Provides design options to meet various application needs. The metal latch makes the receptacle more robust, preventing damage and the need to replace the board. The 92-Ohm version complies with both PCIe Gen 3 and SAS 4.0 standards

Overmolded organizer adjusts to different wire counts or sizes
Allows customer to use only the wires needed for their specific application

SMT connector
Eases routing issues. Opens up space on PCBs

External cables: Flexible mechanical design
Individual twin-ax pairs for greater pin-out flexibility. Allows use of a range of connections. Backshell capture handles a varying number of twin-ax pairs without redesign. EMI braid available if necessary

Applications

Data/Computing
- RAID
- Workstations
- Open Compute infrastructure
- White box

Telecommunications/Networking
- Rack-mount servers
- Servers
- Storage racks

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