

iPass+ High-Speed Channel (HSC) CXP Copper and Optical System

Achieve data rates up to 120 Gbps of pluggable data in one assembly - 12 channels of InfiniBand* or 10 Gigabit Ethernet - with Molex's first-to-market iPass+ HSC CXP Copper and Optical System

Solution:

- A: CXP Optical Cable Assembly
- B: iPass+ HSC CXP Integrated Connector
- C: iPass+ HSC CXP Stacked Dual-Port Integrated Connector
- D: iPass+ HSC CXP Copper Cable Assembly

Molex's iPass+ (HSC) CXP copper and optical system enables **twelve channels of 10-Gbps data, for up to 120 Gbps of total bandwidth**. This new technology results in one of the **fastest** and **highest-density** I/O's on the market today. The iPass+ HSC CXP system enables pluggable copper or optical options, thereby increasing the flexibility of system-level hardware for end users. This dual paddle-card system was adopted as the InfiniBand CXP 12X QDR standard in July, 2008.

By leveraging high-speed wafer technology and compliant pin tails, Molex developed a higher density, 12-channel connector system capable of achieving **Quad Data Rates (QDR) of 10 Gbps**. The one piece press-fit connector and cage assembly provides one-step placement to the board and is offered in both single and stacked dual-port configurations.

Molex CXP 12X copper cables are designed to accommodate **single, ganged or stacked connector configurations** in extremely high-density requirements. CXP passive copper cables are available in a **variety of lengths**.

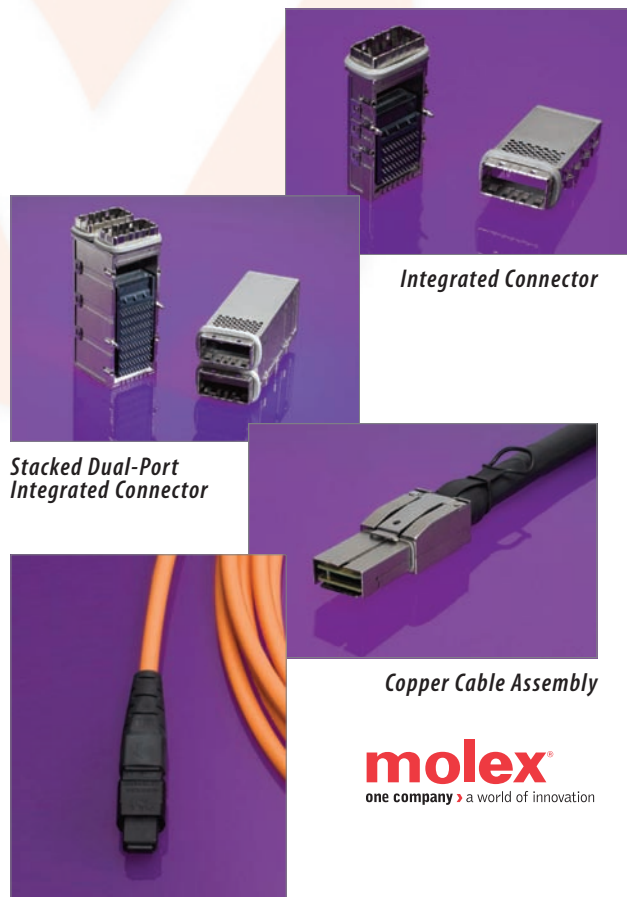
The low-profile CXP optical 4.50mm round cable assemblies offer improved fiber management over traditional flat cables for connecting CXP transceivers. The CXP optical cable assemblies utilize 24 fibers using industry-standard MTP/MPO connectors, 12 transmit (TX) and 12 receive (RX), and 10 Gbps high-bandwidth (OM3) fiber. This design meets the InfiniBand bandwidth requirements for CXP modules spaced up to 300.00m (984.25'). Molex provides a complete optical CXP solution with cable assemblies and loopbacks.

Bent u geïnteresseerd in een CXP Copper of Optical System van Molex?

Neem voor advies contact op met uw contactpersoon van Compricon via tel. +31 (0)492 - 593 000. Wij maken samen met u een passende configuratie. Daarnaast kunt u ons ook bellen voor productondersteuning.



Products include **MTP/MPO-to-LC cable assemblies** for connections to Small Form-factor Pluggable (SFP) or **LC patch panels**. Loopbacks feature a compact housing that loop optical TX to RX ports for testing, burn-in and field troubleshooting. Molex's iPass+ HSC CXP system is the latest addition to the existing iPass product family. The iPass Interconnect System offers connectors and cables that enable flexible-speed compatibility for applications ranging from 1 to 10 Gbps and is an **ideal solution for the growing server-storage market**.



CXP Optical Cable Assembly

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