3M[™] Active Optical Pluggable Transceiver for QSFP+ Applications

Using industry leading VCSEL technology and an advanced new light-engine design, the 3M Active Optical Pluggable Transceiver provides exceptional cost/performance value. The QSFP+ Pluggable Transceiver delivers 4 channels of bi-directional data at up to 10.5 Gbps per channel for a total aggregate bandwidth of over 40 Gbps while using a subtle 750mW of power per end.

Key Features

- Low power consumption
- IBTA certified
- Designed to SFF 8436 QSFP+
- Supports 40GBASE-SR4 and nPPI specifications per IEEE 802.3ba-2010 D3.2
- 4 Channel x 10.3125 Gbps with 64B/66B
- Reliable 850nm VCSEL
- Serial I2C interface for user diagnostics
- Optical lengths up to 100m using OM3
- Hot pluggable
- Industry standard MTP/MPO optical interface
- 3M Active Optical 2-year warranty

Regulatory

- FDA CDRH Laser Class 1M per IEC 60825-1
- FCC part 15, class B and CE emissions & immunity
- RoHS compliant
- ESD:
 - HBM 2000V (JESD22-A114-B)
 - Air Discharge 15kV (EN610004-2)
 - Contact Discharge 8kV(EN610004-2)

Applications

- High-Performance Computing Clusters
- Data Center Networks
- IB & GbE Switches
- High-Speed Servers
- Storage
- Routers, Hubs, Load Balancer





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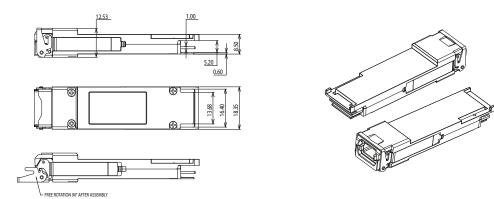
Product Specifications	
Module Form Factor	QSFP+
Protocols Supported	InfiniBand QDR,DDR, SDR & 40G Ethernet
Channels	4 channels, bi-directional
Channel Data Rate	Up to 10.5 Gbps/channel
Operating Optical Wavelength	850nm
BER	<10E-12
Operating Case Temperature	0 to +70° deg C
Storage Temperature	-20 to +85° deg C
Supply Voltage	3.3V
Electrical Interface	38-pin edge connector
Power Consumption	1.5W max
Management Interface	Serial, I2C
Optical Interface	8 or 12F - MTP/MP0

Ordering Information

QSFP+ Pluggable Transceiver parts are available on customer drawing 78-5100-2570-9.

Please reference this drawing for additional details and availability.

Part Number: 6B2A-0412A-0



Unless otherwise noted, references to industry specifications are intended to indicate substantial compliance to the material elements of the specification. Such references should not be construed as a guarantee of compliance to all requirements in a given specification.

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