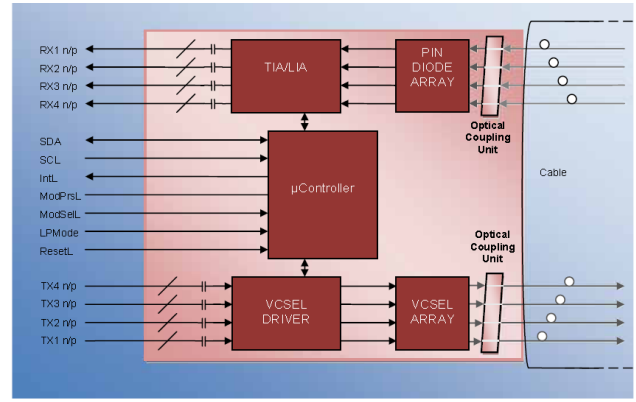




**QA-X04-C02801-0100-0-01**



*Block Diagram of one of the QSFP28 AOC modules*

**Product Summary**

This product is a high data rate parallel active optical cable (AOC), to overcome the bandwidth limitation of traditional copper cable. The AOC offers 4 independent data transmission channels and 4 data receiving channels via the multimode ribbon fibers, each capable of 25Gb/s operation. Consequently, an aggregate data rate of 100Gb/s over 100 meters transmission can be achieved by this product, to support the ultra-fast computing data exchange.

The product is designed with form factor, optical/electrical connection according to the QSFP Multi-Source Agreement (MSA). It has been designed to meet the harshest external operating conditions including temperature, humidity and EMI interference.

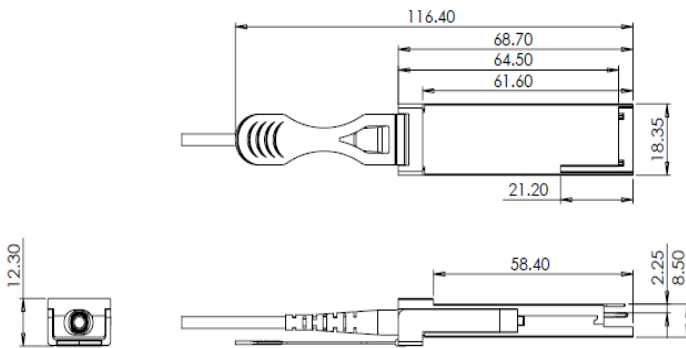
**Specifications and Features Highlights**

- **4 independent full-duplex channels**
- **Up to 28Gb/s data rate per channel**
- **QSFP MSA compliant**
- **Up to 100m OM4 MMF transmission**
- **Operating case temperature: 0 to 70°C**
- **Single 3.3V power supply**
- **Maximum power consumption 3.5W each terminal**
- **RoHS-6 compliant**

**Applications**

- **100G Ethernet links**
- **Infiniband EDR**

**Mechanical Considerations**



**Ordering information**

Part Number	Description
QA-X04-C02801-0100-0-01	QSFP28 Active Optical Cable (1m long) with Full Real-Time Digital Diagnostic Monitoring

For more information on this or other products:  
 Contact sales at  
**1-514-842-5179** or **1-408-715-1781** by email at  
[sales@reflexphotonics.com](mailto:sales@reflexphotonics.com)

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*Note: Document revision history is present in separate document.*

**Compliance**

Description	Specification
Safety	Laser Class 1 product EN 60825-1: 2014
RoHS	RoHS-6 Compliant
General information only; details are in data spec	