100G Single Mode Optical Connectivity

Description
The Intel® Silicon Photonics 100G LR4 10km Reach QSFP28 Optical Transceiver is a small form-factor, high speed, and low power consumption product, targeted for use in optical interconnects for data communications applications. The high bandwidth module supports 100GbE optical links over single-mode fiber for up to 10 km.

Applications
- Connectivity for large scale cloud and enterprise data centers
- Optical interfaces for Ethernet switch, router, and transport networking equipment

Features
- Compliant with IEEE 100GBASE-LR4 optical interface standard for applications up to 10 km
- Electrical interface compliant with IEEE 802.3bm CAUI-4 standard
- Compact QSFP28 form factor for high faceplate density in networking equipment
- Compatibility with single-mode fiber connectors and cable infrastructures
- Operating temperature range of 0 to 70°C
- Compliant with SFF-8636 management interface and control through I2C
- Class 1 laser

Ordering Information

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<th>Part Number</th>
<th>Description</th>
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<tr>
<td>SPTSBP4LLCDF</td>
<td>Intel® Silicon Photonics 100G LR4 QSFP28 Optical Transceiver With 10km Reach, Single Rate</td>
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<tr>
<td>SPTSQP4LLCDF</td>
<td>Intel® Silicon Photonics 100G LR4 QSFP28 Optical Transceiver With 10km Reach, Dual Rate</td>
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