100G Parallel Single Mode Data Center Connectivity

Bringing together the power of optics and the scalability of silicon for a high-speed, integrated optical connectivity solution

Description
The Intel® Silicon Photonics 100G PSM4 (Parallel Single Mode fiber 4-lane) 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.

Applications
• Connectivity for large scale cloud and enterprise data centers
• Ethernet switch, router, and client-side telecom interfaces

Features
• Compliant with PSM4 MSA optical interface specification
• Available in MTP/MPO fiber pigtail or MTP/MPO receptacle optical connector version
• Compact QSFP28 form factor for high faceplate density in networking equipment
• Compatibility with single-mode fiber connectors and cable infrastructures
• Electrical interface compliant with IEEE 802.3bm CAUI-4 standard
• Operating temperature range: 0 to 70°C
• 3.5 W maximum power dissipation
• Full module diagnostics and control through I²C, compliant with SFF-8636 spec

Ordering Information

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
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<tbody>
<tr>
<td>SPTSBP2PMCXX</td>
<td>100G PSM4 QSFP28 Optical Transceiver Receptacle</td>
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<tr>
<td>SPTSBP3PCCXXX</td>
<td>100G PSM4 QSFP28 Optical Transceiver with integrated LC fiber pigtail, lengths xxx in meters</td>
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<tr>
<td>SPTSBP3PTCXXX</td>
<td>100G PSM4 QSFP28 Optical Transceiver with integrated MTP/MPO fiber pigtail, lengths xxx in meters</td>
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