800G Silicon Photonics Transceiver Chipset

CHIPSET

✓ 8x100G receive PIC
✓ 8x100G transimpedance amplifier IC
✓ 8x100G transmit PIC
✓ 8x100G modulator driver IC

APPLICATIONS

✓ 800G-DR8, 400G-DR4 and 100G-DR optical datacenter links
✓ High-density 800G optical modules in QSFP-DD and OSFP form factors

KEY BENEFITS

- Highly-integrated silicon photonics receive and transmit PICs
- Low cost owing to compact layout and volume-scale SiPh manufacturing & full wafer-level inspection and testing
- Low-power BiCMOS TIA and driver ICs
- Interoperable with CDR chips from leading vendors
- Monolithically integrated tapers and v-grooves enable passively-aligned fibre attachment, reducing assembly cost
- High-speed electrical contact pitch enabling low-cost transceiver PCB implementation
- No discrete optical components required

Ordering Information

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<th>Description</th>
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<tr>
<td>RPC-TR08CE-001</td>
<td>800GBASE-2DR4 Receive Chipset</td>
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<tr>
<td>RPC-TT08CE-001</td>
<td>800GBASE-2DR4 Transmit Chipset</td>
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