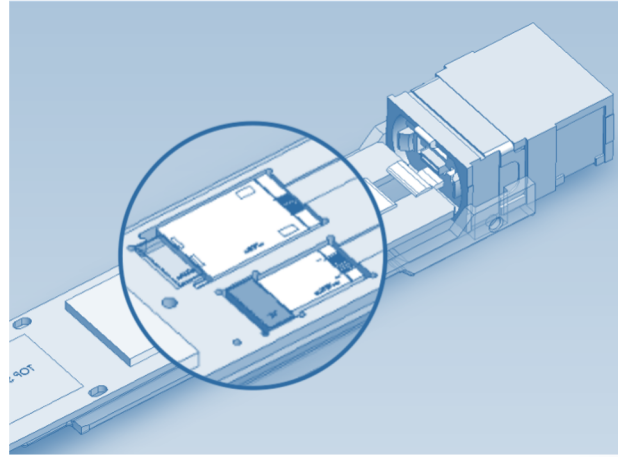




800G Silicon Photonics Transceiver Chipset



CHIPSET

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

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

APPLICATIONS

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

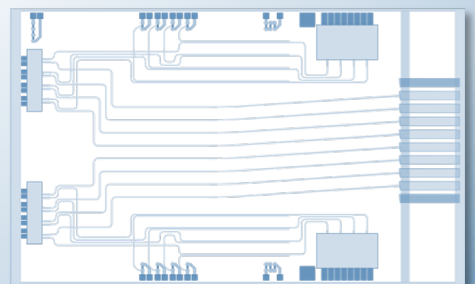
TIA



Receive PIC



Driver



Transmit PIC

Ordering Information

Product Code	Description
RPC-TR08CE-001	800GBASE-2DR4 Receive Chipset
RPC-TT08CE-001	800GBASE-2DR4 Transmit Chipset