Finisar FTL4C1QE2C Datasheet

Finisar FTL4C1QE2C 40GBASE-LR4 10km Gen2 QSFP+ Optical Transceiver

FTL4C1QE2C

FTL4C1QE2C QSFP+ transceiver modules are designed for use in 40 Gigabit Ethernet links over single mode fiber. They are compliant with the QSFP+ MSA and IEEE 802.3ba 40GBASE-LR4. Digital diagnostics functions are available via an I2C interface, as specified by the QSFP+ MSA. The optical transceiver is RoHS compliant as described in Application Note AN-2038.

Features

- Hot-pluggable QSFP+ form factor
- Supports 41.2 Gb/s aggregate bit rates
- Power dissipation < 3.5W
- RoHS compliant
- Commercial temperature range 0°C to 70°C
- Single 3.3V power supply
- Maximum link length of 10km on Single Mode Fiber (SMF)
- Uncooled 4x10Gb/s CWDM transmitter
- XLPPI electrical interface
- Duplex LC receptacles
- Built-in digital diagnostic functions, including Tx/Rx power monitoring

Applications

- 40GBASE-LR4 40G Ethernet

Specifications

- Distance: 10 km
- Data Rate (max): 41.2 Gb/s
- Protocol: 40G Ethernet Compliant
- Low End Case Temperature (°C): 0
- High End Case Temperature (°C): 70
- Diagnostics: N/A
- Transmitter: 4x DFB Laser
- Receiver: PIN
- Voltage Supply: 3.3
- Connector: LC
- Wavelength: 1310nm Band

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