



Huawei compatible 40G, QSFP+, 850nm, 150M Transceiver, MTP/MPO Connector for MMF with DOM | PlusOptic QSFP-40G-SR4-HUA

Product Images



Description

Huawei compatible 40G, QSFP+, 850nm, 150M Transceiver, MTP/MPO Connector for MMF with DOM | PlusOptic QSFP-40G-SR4-HUA

PLUSOPTIC QSFP-40G-SR4-PLU are designed for use in 40 Gigabit per second links over multimode fiber. They are compliant with the QSFP+ MSA and IEEE 802.3ba 40GBASE-SR4. The optical transmitter portion of the transceiver incorporates a 4-channel VCSEL (Vertical Cavity Surface Emitting Laser) array, a 4-channel input buffer and laser driver, diagnostic monitors, control and bias blocks. For module control, the control interface incorporates a Two Wire Serial interface of clock and data signals. Diagnostic monitors for VCSEL bias, module temperature, transmitted optical power, received optical power and supply voltage are implemented and results are available through the TWS interface. Alarm and warning thresholds are established for the monitored attributes. Flags are set and interrupts generated when the attributes are outside the thresholds. Flags are also set and interrupts generated for loss of input signal (LOS) and transmitter fault conditions. All flags are latched and will remain set even if the condition initiating the latch clears and operation resumes. All interrupts can be masked and flags are reset by reading the appropriate flag register.

The optical output will squelch for loss of input signal unless squelch is disabled. Fault detection or channel deactivation through the TWS interface will disable the channel. Status, alarm/warning and fault information are available via the TWS interface. The optical receiver portion of the transceiver incorporates a 4-channel PIN photodiode array, a 4-channel TIA array, a 4-channel output buffer, diagnostic monitors, and control and bias blocks. Diagnostic monitors for optical input power are implemented and results are available through the TWS interface. Alarm and warning thresholds are established for the monitored attributes. Flags are set and interrupts generated when the attributes are outside the thresholds. Flags are also set and interrupts generated for loss of optical input signal (LOS). All flags are latched and will remain set even if the condition initiating the flag clears and operation resumes. All interrupts can be masked and flags are reset upon reading the appropriate flag register. The electrical output will squelch for loss of input signal (unless squelch is disabled) and channel de-activation through TWS interface. Status and alarm/warning information are available via the TWS interface.

FEATURES

- High Channel Capacity: 40 Gbps per module
- Up to 11.1Gbps Data rate per channel
- Maximum link length of 100m links on OM3 multimode fiber or 150m links on OM4 multimode fiber
- High Reliability 850nm VCSEL technology
- Electrically hot-pluggable
- Digital diagnostic SFF-8436 compliant
- Case operating temperature range:0°C to 70°C
- Power dissipation < 1.5 W

APPLICATIONS

- 40G Ethernet
- Infiniband QDR
- Fibre channel

STANDARD

- Compliant to IEEE 802.3ba
- Compliant to SFF-8436
- RoHS Compliant

WARRANTY

3 - year limited warranty

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