400G QSFP-DD FR4/LR4 Optical Transceiver

FEATURES

- product targeted for use in optical interconnects for data communications applications. The high bandwidth module supports 400G Ethernet connections via LC connector over parallel single-mode fiber links up to 2 km and 10 km for the FR4 and LR4 variants.

ABSOLUTE MAXIMUM RATINGS

RECOMMENDED OPERATING CONDITIONS

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TRANSMITTER OPTICAL OUTPUT CHARACTERISTICSlaQ-3 28 nQ-3 7/TT2Qq[f0.02q[c 0 25.04 3.Td[S).5 0.0P2q[c -0.0

RECEIVER OPTICAL INPUT CHARACTERISTICS

QSFP-DD MFm0 DoQBT/CS0 cs 0 0.239 ₪07 9TI09 56

QSFP-DD MODULE ELECTRICAL CONNECTOR PIN DEFINITIONS CONT.

POWER SUPPLY FILTERING

LOW POWER MODE

LOW SPEED ELECTRICAL HARDWARE INTERFACE

ResetL	> 2µs) initiates a complete module reset and
ModPrsL	
IntL	
ModSelL	
InitMode	InitMode signal allows the host to defne whether
SCL	board; ≤ 3 kΩ is recommended. Note that SCL and SDA timing specifcations are defned in section defned in “Management Interface Timing.”
SDA	board; ≤ 3 kΩ is recommended. Note that SCL and SDA timing specifcations are defned in section defned in “Management Interface Timing.”

					3 kΩ pull up resistor
					1.6 kΩ pull up resistor
				µA	
					10kΩ pull up to Vcc

MODULE STATES BEHAVIOR

MANAGEMENT INTERFACE (I^2C) TIMING

SOFT CONTROL, ALARM, AND STATUS TIMING

Label Specification

jabil.com

About Jabil

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