

53Gb/s QSFP Optical Transceiver Module

SQF0501L1LNGG01P

(50GBASE-LR, 1311nm, PAM4)

Features

- ◆ 1-lane x 53.125Gb/s PAM4 Optical Interface
 - High quality and reliability optical device and sub-assemblies
 - 1311nm range Laser Transmitter
 - High Sensitivity PIN-TIA
 - Up to 10km over a SMF
- ◆ IEEE802.3 Compliant
 - IEEE802.3 Clause 139 50GBASE-LR
 - 50GAUI-2 Electrical Interface
 - 2 Wire Serial Interface for module management
- ◆ QSFP28 MSA Compliant
 - Easy supply management for hot pluggability
 - QSFP28 MSA Form Factor
 - 38pin Electrical Connector
 - Dual LC Receptacle
 - Pull Tab and Bail Latch(Optional) is available
- ◆ Low Power Consumption
 - 3.3V single power supply
 - Power consumption (3.5W)
- ◆ RoHS Compliant



Applications

- interconnects between switches connection
- Routers and transport equipment connection
- Proprietary High-speed interconnects

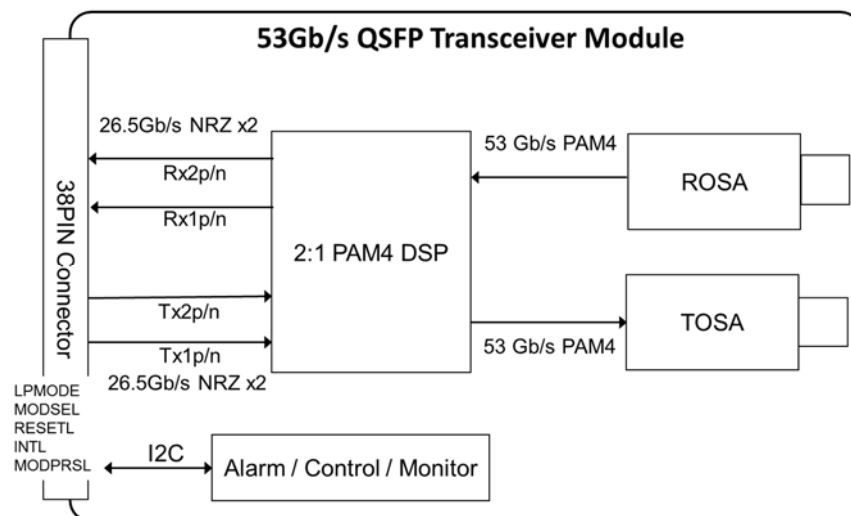


Figure 1.1.: Block Diagram