

CVR-100_QP28-SP28

QSFP28 to SFP28 Adapter Module

Description:

QSFP28 to SFP28 Adapter Module offers 25 Gigabit Ethernet connectivity for Quad Small Form-Factor Pluggable (QSFP28)-only platforms. It allows smooth and cost-effective migration to 100 Gigabit Ethernet by providing an option to use lower-speed Enhanced Small Form-Factor Pluggable (SFP28) modules in empty QSFP28 ports or when the other end of the network is running at lower speeds.

The **CVR-100_QP28-SP28** interoperates with all major optical modules and direct attached copper cable vendors. Its design assures minimum loss on the conversion path between the QSFP28 cage and the SFP28 receptacle. The high-speed data channel of the SFP28 receptacle is connected to lane 1 of the QSFP28 connector. The three remaining channels on the QSFP28 connector are not connected. With this adapter, customers have the flexibility to use any SFP28 module or cable to connect to a lower-speed port on the other end of the network. This adapter supports all SFP28 optics and cable reaches and is compatible switch models and SFP28 modules.

The **CVR-100_QP28-SP28** is qualified for SFP28 transceivers meeting the Small Form Factor Pluggable (SFP) Transceiver Multi-Source Agreement (MSA). The module provides a solution for integrating systems using different vendors' equipment, is vendor agnostic and provides a direct path to the SFP28 port unit's memory.

Features:

- Trouble-free installation and network bring-up
- Compliant to industry standards: SFF-8665 and SFF-8432
- Precision process control for minimization of pair-to-pair skew
- 1 independent duplex channels operating at 25Gbps, also support for 10Gbps, 5Gbps data rates
- All-metal housing for superior EMI performance
- 100 Ohm differential impedance system
- Low crosstalk
- Secure latching mechanism
- RoHS compliant



Applications:

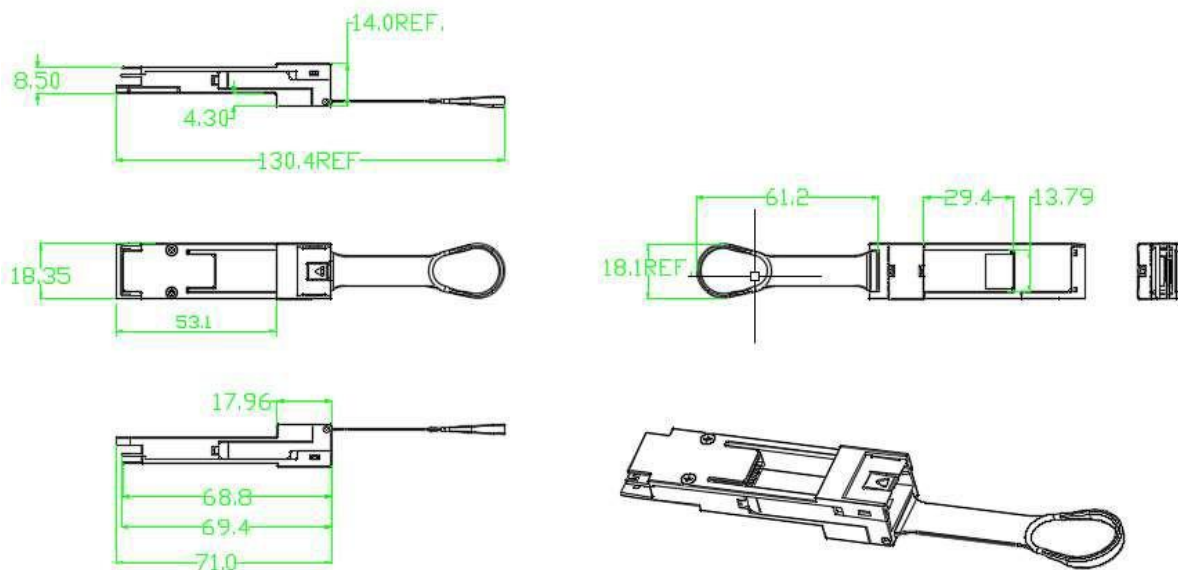
- Low EMI radiation switches, servers and routers
- Telecommunication and wireless infrastructure
- Test and measurement equipment
- Networked storage systems
- Data Center networks
- Storage area networks



General specifications:

Parameter	Symbol	Min	Typ	Max	Unit
Operating Case Temperature	Top	0	–	+70	°C
Storage Temperature	Tst	-40	–	+85	°C
Relative Humidity (non-condensation)	RS	–	–	85	%
Power Supply Voltage	VC	3.15	3.3	3.45	V
Power Supply Current	Icc	–	–	570	mA
Data Rate (Total)	DRT	–	–	25	Gbps
Characteristic impedance	Chi	90	100	110	Ohm
Weight			Less than 100g		

Mechanical dimensions:



Ordering code:

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