

**DATASHEET 5.0**

# CVR-CFP2-QSFP28

**CFP2 to QSFP28 converter module**

## OVERVIEW

The CVR-CFP2-QSFP28 provides the ability to use a QSFP28 transceiver in a host having an CFP2 interface. This enables usage of the same form factor for interfaces across multiple platforms deployed in a network.

## TECHNICAL DATA

PARAMETER	VALUE
Technology	Conv CFP2 – QSFP28
Protocols	Eth: 100GbE OTN: OTU4
Temperature Range	0°C to +70°C
Power consumption	< 1.8W
FEC scheme	NA
MSA Compliance	CFP MSA QSFP28 MSA 8661
Digital Diagnostic Monitoring	Via MDIO i/f
Regulator Compliance	
EMC CE	EN 55022:2010 EN 55024:2010
UL/Safety	UL 60950-1
FCC	47 CFR PART 15 OCT, 2013
RoHS	RoHS 6 EN 60950-1:2006 +A11+A1+A12+A2
	-40°C to 85°C

## ORDERING INFORMATION

Part Number	Description
CVR-CFP2-QSFP28	CFP2 to QSFP28 converter module

## GENERAL DEFINITIONS

<b>Technology</b>	Grey; Transceiver type for non-WDM applications. Electrical or optical. CWDM; Transceiver type for CWDM applications using G.694.2 channel grid. DWDM; Transceiver type for DWDM applications using G.694.1 channel grid. BiDi; Transceiver pair using two different wavelength channels operating on a single-fiber. DAC: Direct Attach Cable. Electrical or optical cable with attached connectors.
<b>Transmission Media</b>	Type of fiber, e.g. Multimode (MM) or Singlemode (SM). Number of and connector type within brackets (e.g. 2x LC, 1x MPO).
<b>Typical reach</b>	Nominal distance performance based on dispersion and power budget properties, i.e. w/o dispersion compensation and optical amplification.
<b>Bit rate range:</b>	Supported bit rate range in Gigabit or Megabit per second (Gbps or Mbps).
<b>Protocols:</b>	Protocols within supported bit rate range.
<b>Nominal wavelength</b>	Typical wavelength from transmitter.
<b>Interface standards</b>	Referenced interface standards e.g. IEEE 802.3 standard for 10GbE services.
<b>Power budget</b>	Min and max power budget between Transmitter and Receiver. Excluding any dispersion penalty.
<b>Dispersion tolerance/penalty</b>	Maximum amount of tolerated dispersion and required reduction of power budget to maintain BER better than $1E^{-12}$ . Defined at a specific bit rate.
<b>Temperature range</b>	Max operating case temperature range. Standard temperature range: Typically 0°C to +70°C (32°F to +158°F) Extended temperature range (E-temp): Typically -20°C to +75°C (-4°F to +167°F) Industrial temperature range (I-temp): -40°C to +85°C (-40°F to +185°F)
<b>Power consumption</b>	Worst case power consumption. Will vary over temperature.
<b>Transmitter Output power</b>	Average output power. Provided in min and max values.
<b>Receiver minimum input power</b>	Minimum average input power at specified BER, normally $1E^{-12}$ .
<b>Receiver max input power</b>	Maximum average input power giving a BER, normally $1E^{-12}$ .
<b>DDM</b>	Digital Diagnostic Monitoring functionality as defined in SFF-8472 MSA.

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