

SNR-CFP-QSFP28

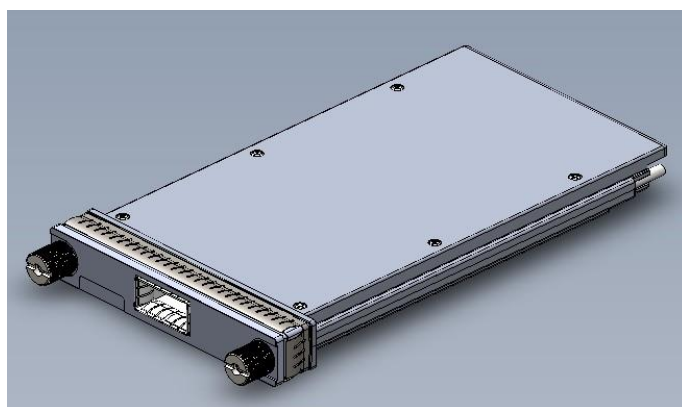
Convert 100G QSFP28 to CFP

SNR-CFP-QSFP28

Convert 100G QSFP28 to CFP Port

Features

- ◆ Compatible with CFP MSA Specification
- ◆ Compatible with QSFP28 MSA SFF 8661 Specification
- ◆ Supports 103Gbps and 112Gbps aggregate bit rates*(Note1)
- ◆ Single 3.3V Power Supply and Power Dissipation <5.5W
- ◆ Operating Case Temperature Range:
Standard: 0°C~+70°C
- ◆ MDIO interface with integrated Digital Diagnostic Monitoring
- ◆ Complaint with the EU RoHS 6 Environmental requirements.



Applications

- ◆ Convert QSFP28 port to CFP port

Ordering Information

Part No.	Support CFP→QSFP28 PRBS *Note2	Form Factor Convert	Temp
SNR-CFP-QSFP28 **	YES	QSFP28→CFP	0°C ~ 70°C

*The product image only for reference purpose.

**Standard Version, please contact LLC NAG for more product information.

*Note1: When try to run converter at 112G rate, please confirm with LLC NAG.

*Note2: Only expect to state whether the converter supports the high speed data stream transportation between CFP and QSFP28.

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Regulatory Compliance*

Product Certificate	Certificate Number	Applicable Standard
TUV	R50135086	EN 60950-1:2006+A11+A1+A12+A2
		EN 60825-1:2014
		EN 60825-2:2004+A1+A2
UL	E317337	UL 60950-1
		CSA C22.2 No. 60950-1-07
EMC CE	AE 50285865 0001	EN 55022:2010
		EN 55024:2010
FCC	WTF14F0514417E	47 CFR PART 15 OCT., 2013
FDA	/	CDRH 1040.10
ROHS	/	2011/65/EU

*The above certificate number updated to June 2014, because some certificate will be updated every year, such as FCC, FDA and ROHS.

Product Description

The SNR-CFP-QSFP28 converts a 100G QSFP28 port into a 100G CFP port. With the converter module, customers have the flexibility to use the 100 G CFP interface port of a switch with CFP modules or QSFP28 modules. This flexibility is critical when the specific type of interface is not available in one or the other form factor or when customers want to use the same form factor for interfaces across multiple platforms deployed in their network.

It is a highly integrated, serial optical converter module for high-speed, 100G data transmission applications. The module is fully compliant to IEEE 802.3 standard for Ethernet, making it ideally suited for 100GBE datacom (Rack-to-Rack, Client interconnection) applications. The converter operates within a wide case temperature range of 0 °C to +70°C and offers optimum heat dissipation and excellent electromagnetic shielding which enables high port densities for 100G systems. A 148 pin electrical connector and a QSFP28 interface assure that connectivity is compliant to both CFP MSA and QSFP28 MSA.

Thermal Management

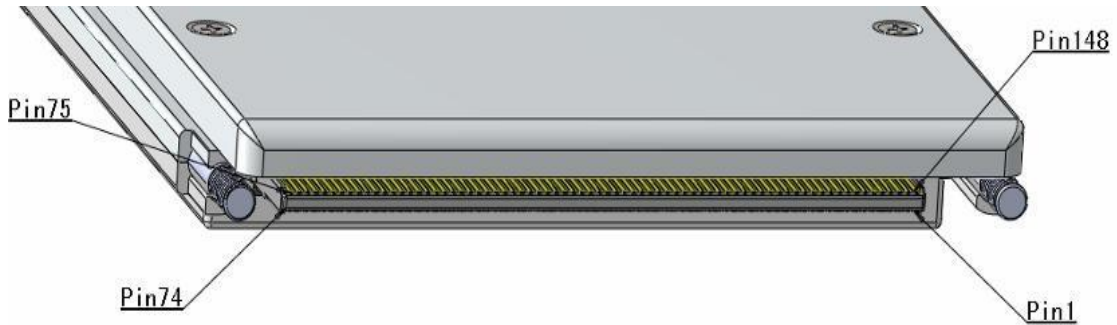
The converter is designed for an operation within a case temperature range from 0°C to +70°C at an altitude of < 3km. The built in heatsink provides an optimized thermal performance.

The user needs to guarantee per system design not to exceed this temperature range. It has to be considered that in case of usage of multiple modules on a single host board that there is a temperature rise among the modules hosted side by side. Airflow direction and air speed needs to be chosen accordingly. For further information it is referred to the MSA document.

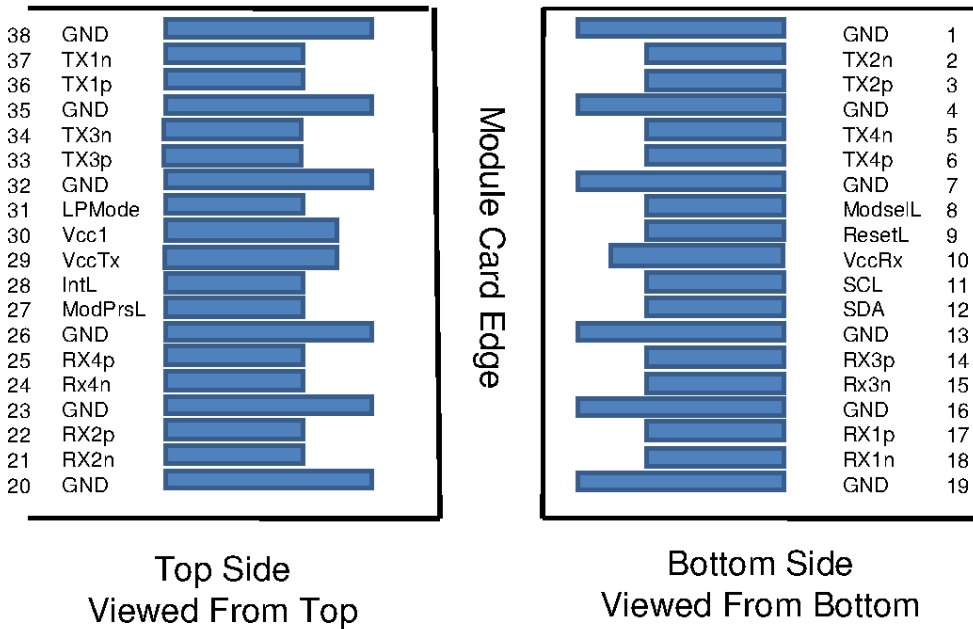
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CFP Transceiver Electrical Pad Layout



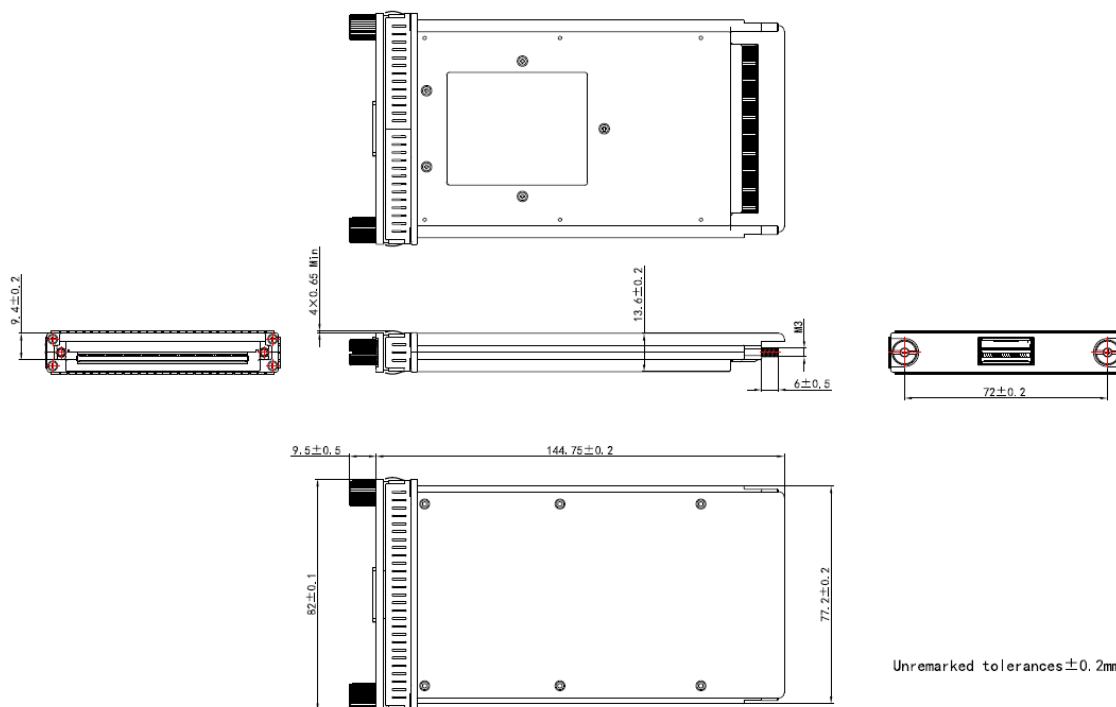
QSFP28 Transceiver Electrical Pad Layout



SNR-CFP-QSFP28

Convert 100G QSFP28 to CFP

Mechanical Specification



GUARANTEE:



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