

### QSFP+ Direct Attach Cable

For 40GBASE-SR4 Application  
RoHS6 Compliant



#### Features

- ◆ Fully compatible with IEEE802.3ba and Infiniband QDR specifications
- ◆ Allows for 10Gb/s per channel transmission; aggregate of 40 Gb/s total bandwidth
- ◆ Robust diecast covers for superior EMI shielding effectiveness
- ◆ EEPROM for cable signature & system communications
- ◆ Actively equalized cables enable longer cable lengths or the use of smaller cable diameters for shorter cable lengths
- ◆ 30 AWG cable sizes available
- ◆ 100 ohm differential impedance system
- ◆ Optimized PCB interface board to minimize crosstalk and insertion loss
- ◆ Lower Power Consumption < 1.5W
- ◆ Temperature Range: 0~ 70°C
- ◆ RoHS6 Compatible

#### Applications

- ◆ Servers
- ◆ Networked storage systems
- ◆ Routers
- ◆ External storage systems
- ◆ High Performance Computing (HPC) applications
- ◆ Data Center networking

#### Order Information

Part No.	Data Rate	Media type	Distance
SNR-QSFP+DA-1	Up to 40G	Cable	Up to 1m
SNR-QSFP+DA-2	Up to 40G	Cable	Up to 2m
SNR-QSFP+DA-3	Up to 40G	Cable	Up to 3m

Note1: Standard version

# SNR-QSFP+DA-XX 40Gbps

QSFP+ 40G Direct-attach Transceiver

## Regulatory Compliance

Feature	Standard	Performance
Electrostatic Discharge (ESD) to the Electrical Pins	MIL-STD-883G Method 3015.7	Class 1C (>1000 V)
Electrostatic Discharge to the enclosure	EN 55024:1998+A1+A2 IEC-61000-4-2 GR-1089-CORE	Compatible with standards
Electromagnetic Interference (EMI)	FCC Part 15 Class B EN55022:2006 CISPR 22B :2006 VCCI Class B	Compatible with standards Noise frequency range: 30MHz to 6GHz. Good system EMI design practice required to achieve Class B margins. System margins are dependent on customer host board and chassis design.
Immunity	EN 55024:1998+A1+A2 IEC 61000-4-3	Compatible with standards. 1KHz sine-wave, 80% AM, from 80MHz to 1GHz. No effect on transmitter/receiver performance is detectable between these limits.
Component Recognition	UL and CUL EN60950-1:2006	UL file E317337 TbV Certificate No. 50135086 (CB scheme )
RoHS6	2002/95/EC 4.1&4.2 2005/747/EC 5&7&13	Compliant with standards <sup>*note3</sup>

Note2: For update of the equipments and strict control of raw materials, SNR has the ability to supply the customized products since Jan 1th, 2007, which meet the requirements of RoHS6 (Restrictions on use of certain Hazardous Substances) of European Union.

In light of item 5 in RoHS exemption list of RoHS Directive 2002/95/EC, Item 5: Lead in glass of cathode ray tubes, electronic components and fluorescent tubes.

In light of item 13 in RoHS exemption list of RoHS Directive 2005/747/EC, Item13: Lead and cadmium in optical and filter glass. The three exemptions are being concerned for SNR's transceivers, because SNR's transceivers use glass, which may contain Pb, for components such as lenses, windows, isolators, and other electronic components.

## Product Description

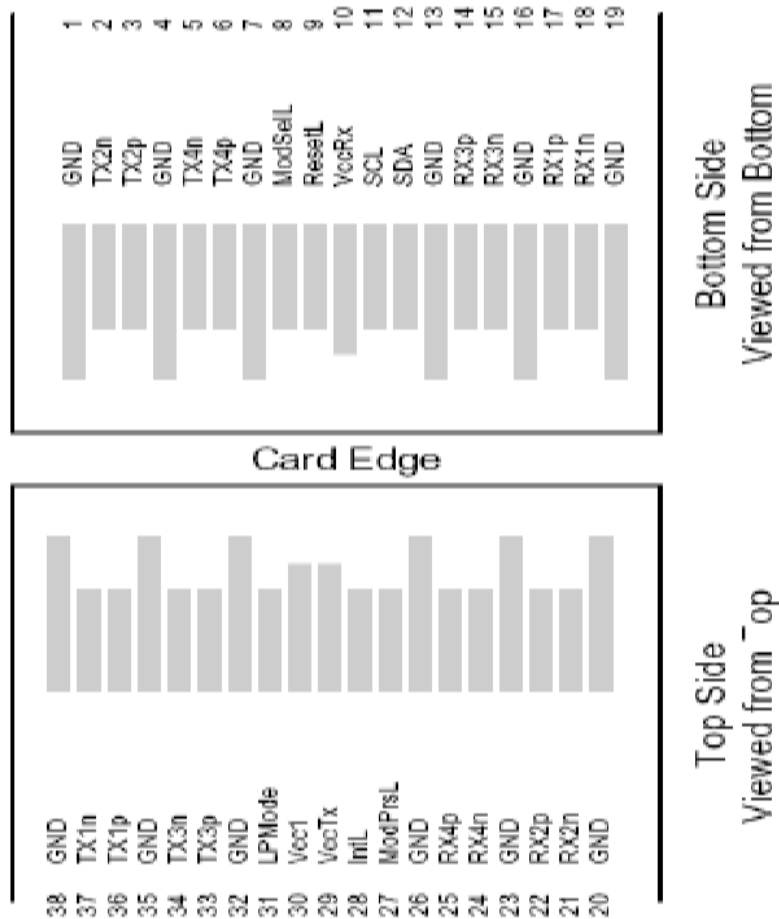
The SNR-QSFP+DA-XX Copper QSFP+ Cables is 40GBASE QSFP+ to QSFP+ direct-attach Cable. They are based on the QSFP+ Multi Source Agreement (MSA), and offer customers a wide variety of high-density 40 Gigabit Ethernet connectivity options for data center, high-

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QSFP+ 40G Direct-attach Transceiver

performance computing networks, enterprise core and distribution layers, and service provider transport applications.

## Pin Descriptions



### Notice:

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## GUARANTEE:



## CONTACT:

**Address:** Building 118, Vonsovskogo Street 1, Yekaterinburg, Russia

**Tel:** +7(343) 379-98-38

**Fax:** +7(343) 379-98-38

**E-mail:** [info@nag.ru](mailto:info@nag.ru)

**Online shop:** <http://shop.nag.ru>