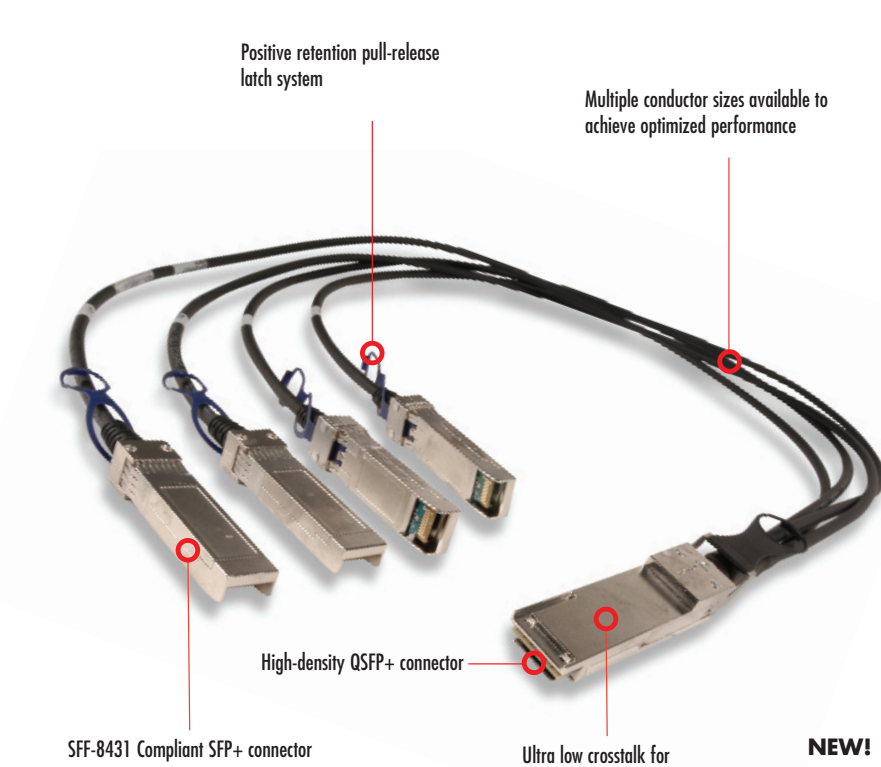


# Siemon QSFP+ to 4 SFP+ Passive Copper Assemblies

Siemon Interconnect Solutions hybrid cables allow users to connect SFP+ and QSFP+ equipment. They offer a cost-effective, low-power option for high-speed data center interconnects. The direct-attach assemblies support 4 lanes of 10 Gb/s (40 Gb/s composite) and are available in standard lengths up to 5 meters with longer custom lengths available.

HIGH SPEED INTERCONNECT



Positive retention pull-release latch system

Multiple conductor sizes available to achieve optimized performance

High-density QSFP+ connector

SFF-8431 Compliant SFP+ connector

Ultra low crosstalk for enhanced performance

**APPLICATIONS**

- InfiniBand SDR, DDR
- Ethernet 1G, 10G
- FibreChannel
- Rack-to-Rack, Shelf-to-Shelf Interconnect
- Networking
- Storage
- Hubs, switches, routers, servers

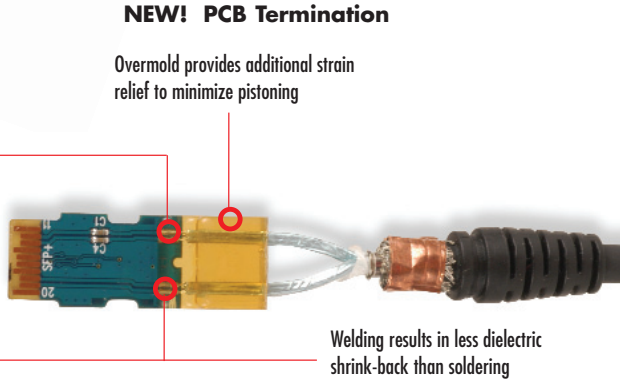
**STANDARDS COMPLIANCE**

**QSFP+ End**

- SFF-8436
- Electrical: IBTA Volume 2 Revision 1.2.1\*

**SFP+ End**

- SFF-8431
- SFF-8432
- SFF-8472



**NEW! PCB Termination**

Overmold provides additional strain relief to minimize pistoning

Laser stripped conductors

Automated welding for unmatched consistency

Welding results in less dielectric shrink-back than soldering

\* Proposed IBTA return loss limit (used at latest plugfest)

# Siemon QSFP+ to 4 SFP+ Passive Copper Assemblies

## Performance Specifications:

Electrical	
Min. Dielectric Withstand Voltage	300 VDC
Insulation Resistance	1000 Mohms
Current Rating	0.5 Amp Min/Signal Contact
General	
Operating Temperature	0 to 70 C (32 to 158 F)
Flammability Rating (Plastics)	UL 94
Green Features	RoHS, Lead-Free
Shield	Braid/Foil
Marking	Mfg Name, Part#, Date Code



Plug	
Backshell Material	Nickel Plated Zinc Diecast
Contact Material	PCB with Gold-Plated Pads
Latch	Positive Latching w/Pull Tab
Insertion Force	QSFP+: 40N Max. SFP+ 30N Max
Withdrawal Force	QSFP+: 30N Max. SFP+ 20N Max
Retention Force	90N Min.
Durability	QSFP+: 250 Cycles Min. SFP+ 50 cycles Min.
Cable	
Conductor	Solid
Wire Gauge	30 AWG and 28 AWG
Impedence	100 +/- 5 ohms
Construction	Twinaxial
Jacket Type	PVC
Bend Radius	5X Cable OD - Single 10X Cable OD - Repeated

## Ordering Information:

QSFP+ to SFP+ Passive Copper Cable Assemblies

Part Number	Length (Meters)	Gauge
SFPPQSFP30-00.5	1/2	30
SFPPQSFP30-01	1	30
SFPPQSFP30-02	2	30
SFPPQSFP28-03	3	28
SFPPQSFP28-05	5	28

### For additional resource information:

Visit our web site at [www.siemon.com/SIS](http://www.siemon.com/SIS)

### Siemon Interconnect Solutions

Watertown, CT USA

Phone (1) 860 945-4213

E-Mail - Customer Service. - [IS\\_customerservice@siemon.com](mailto:IS_customerservice@siemon.com)

E-Mail - Technical Support. - [IS\\_techsupport@siemon.com](mailto:IS_techsupport@siemon.com)

SS-SIS-QSFP+ to 4 SFP+ Rev. A 9/10

© 2010 Siemon

WWW.SIEMON.COM/SIS

ISO 9001  
CERTIFIED

ISO 14001  
CERTIFIED



**SIEMON**<sup>TM</sup>  
INTERCONNECT SOLUTIONS