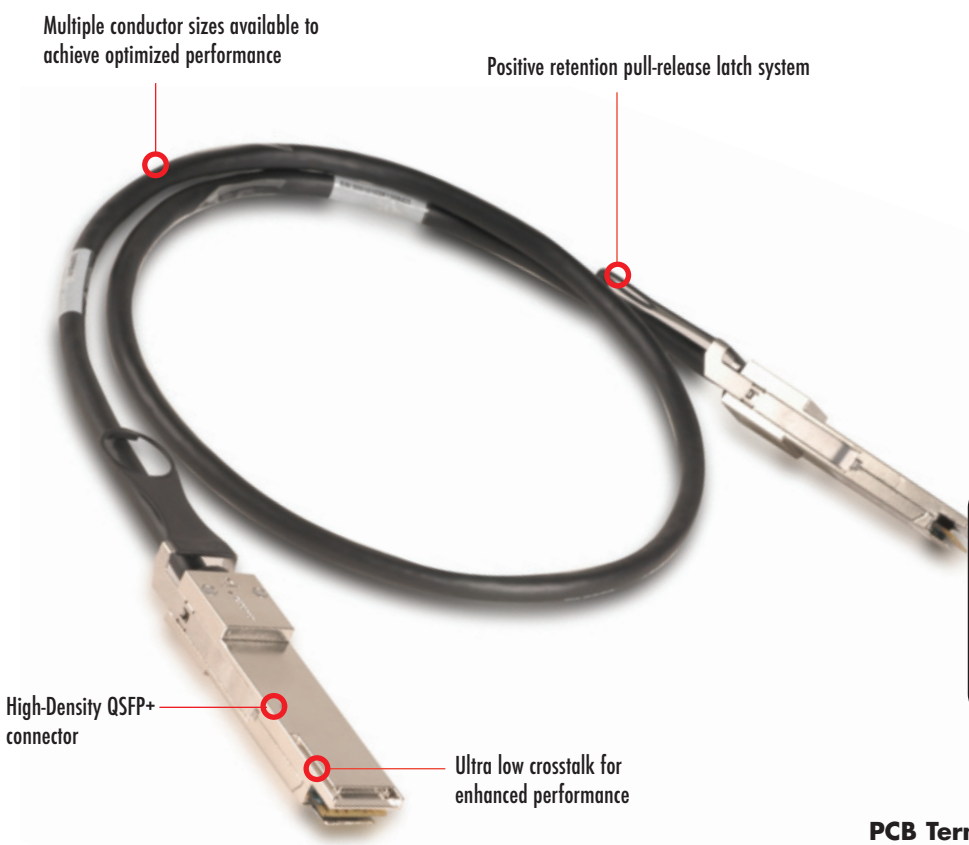


Siemon QSFP+ FDR Passive Copper Assemblies

Siemon Interconnect Solutions QSFP+ FDR Copper Cable assemblies provide 56Gb/s of bandwidth (4 X 14Gb/s). These QSFP+ (SFF-8436) cables exceed industry standards to support DDR, QDR, FDR and emerging 4x16Gb/s applications. Siemon's QSFP+ Fourteen Data Rate assemblies are a high-density, cost-effective, low-power option for leading edge 56Gbs high-speed data centers, available in standard lengths up to 3 meters with longer custom lengths available upon request.



Multiple conductor sizes available to achieve optimized performance

Positive retention pull-release latch system

High-Density QSFP+ connector

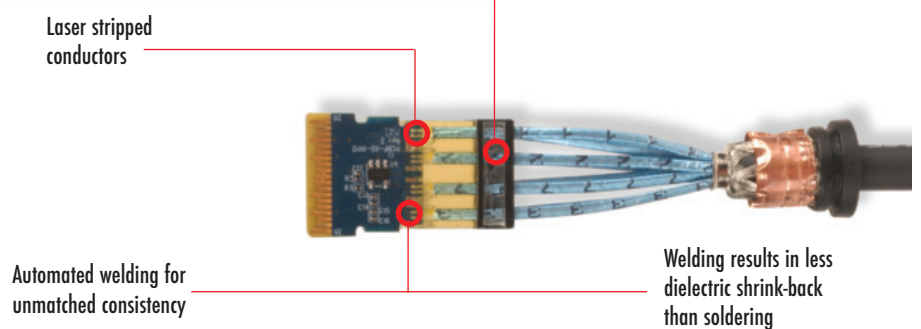
Ultra low crosstalk for enhanced performance

- APPLICATIONS**
- InfiniBand 4X SDR, DDR, QDR, FDR
 - Ethernet 10G,40G
 - FiberChannel 10G,40G, SAN, 4x16G
 - RapidIO
 - Myrinet 40G
 - Rack-to-Rack, Shelf-to-Shelf Interconnect
 - Networking
 - Storage
 - Hubs, switches, routers, servers

- STANDARDS COMPLIANCE**
- Electrical: IBTA V2 Revision 1.3
 - IEEE 802.3ba
 - EEPROM: SFF-8436
 - RoHS

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

Siemon QSFP+ FDR 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

Ordering Information:

QSFP+ to QSFP+ FDR Passive Copper Cable Assemblies

Part Number	Length (Meters)	Gauge
QSFPFDR30-0.5	0.5	30
QSFPFDR30-01	1	30
QSFPFDR30-02	2	30
QSFPFDR28-03	3	28

Maximum Lengths

Gauge	IBTA DDR (meters)	IBTA QDR (meters)	IEEE 802.3ba (meters)	IBTA FDR (meters)
30	5	3	3	2
28	7	4	4	3

Note: Contact customer service for additional lengths
Because we continuously improve our products, Siemon reserves the right to change specifications and availability without prior notice.

Plug	
Backshell Material	Nickel Plated Zinc Diecast
Contact Material	PCB with Gold-Plated Pads
Plastic Material	Nylon
Latch	Positive Latching w/Pull Tab
Insertion Force	40N Max.
Withdrawal Force	30N Max.
Retention Force	90N Min.
Durability	250 Cycles
Tightest Recommended Vertical Spacing (Belly to Belly)	11.80 mm Center to Center
Tightest Recommended Vertical Spacing (Stacked)	17.50 mm Center to Center
Cable	
Conductor	Solid
Wire Gauge	30 AWG and 28 AWG
Impedance	100 +/- 5 ohms
Construction	Twinaxial
Cable OD	30AWG = 6.1mm (0.240 in)
	28AWG = 8.7mm (0.343 in)
Jacket Type	PVC
Bend Radius	5X Cable OD - Single 10X Cable OD - Repeated

For additional resource information:

Visit our web site at www.siemon.com/SIS

Siemon Interconnect Solutions

Watertown, CT USA

Phone (1) 860 945-4213

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WWW.SIEMON.COM/SIS

ISO 9001
CERTIFIED

ISO 14001
CERTIFIED



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