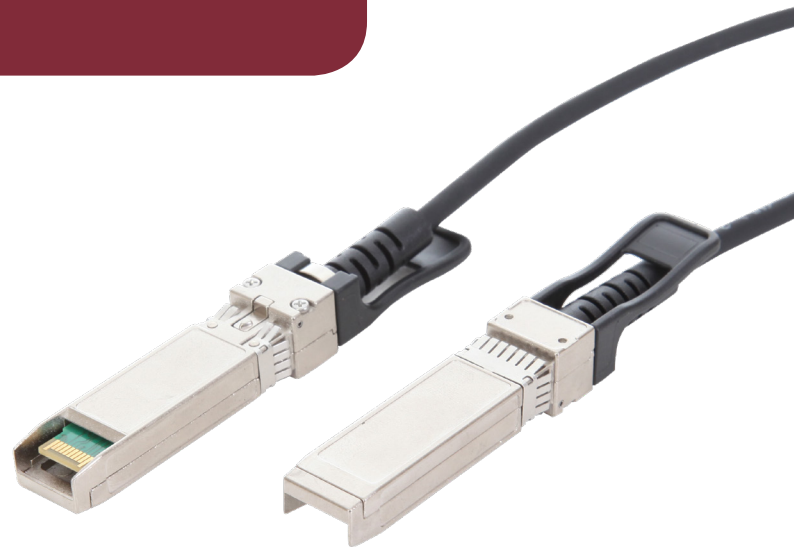


SFP+ & SFP28



Lorom's SFP+ and SFP28 direct attach copper cable assembly products family is a cost effective I/O interconnect solution addressing the ever-increasing demand for higher channel density with a high level of signal integrity performance in serial I/O interfaces. The product series meet and exceed the standard performance and reliability requirements of the SFF-8431 and IEEE802.3by.



Product Features & Benefits

- Broadband operation capabilities for data rate up to 10 Gbps for SFP+ and 28 Gbps for SFP28
- Extended plug cycle life
- Use of E-MAXX® high speed copper cable for optimum SI performance
- Both passive and active solutions are available for SFP+
- Small bend radius for higher density and easier management
- Over molded cable termination increases mechanical robustness
- Various wire gauges and lengths providing diverse cable management options
- Excellent EMC/EMI performance
- Customized module solutions including EEPROM contents, cross-over, and lengths
- Proprietary high-speed PCB design minimizes the impedance discontinuity and crosstalk
- Different pull-tab color options
- Compliant to SFF-8431 and IEEE802.3by
- Temperature range from 0°C to 70°C

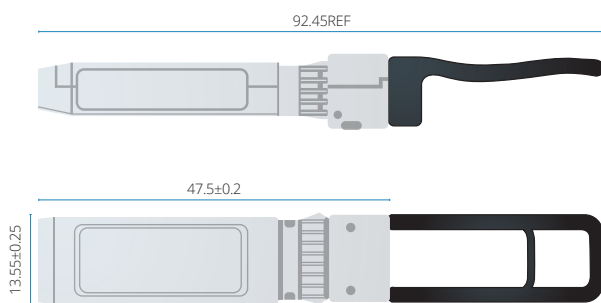
Target Markets & Applications

- High density and data rate I/O in SAN, NAS and Servers
- Switches and routers
- Data center cabling infrastructure
- High density interconnects for networking equipment and high-performance computing



Electrical Characteristics		
Differential Impedance:	100±10	Ohms
Data Rate:	10	Gbps, SFP+
	28	Gbps, SFP28
Power Supply Voltage:	3.3 ± 5%	V
Mechanical Characteristics		
Keyed:	No	
Latch Type:	Pull tab to release	
Environmental Characteristics		
Operating Temperature:	0-70°C	
Storage Temperature:	-20-80°C	

Mechanical Characteristics



- Back Shell Material: Zinc Die Cast, Nickel plated, electrodeposited as per AMS-QQ-N-290 Class 2
- Pull Tab Color: Various color options
- Pull Tab Material: Santoprene
- Dimensions according to SFF 8432

Passive 10Gbps SFP+

Lorom Part Number	Length	AWG
LRHSP B01 D005	0.5m +/- 0.03m	30
LRHSP B01 D010	1.0m +/- 0.03m	30
LRHSP B01 D020	2.0m +/- 0.05m	30
LRHSP B01 D030	3.0m +/- 0.05m	30
LRHSP B01 A040	4.0m +/- 0.08m	24
LRHSP B01 A050	5.0m +/- 0.08m	24

Active 10Gbps SFP+

Lorom Part Number	Length	AWG
LRHSP B32 D070	7.0m +/-0.08	30
LRHSP B32 C100	10.0m +/-0.10	28

Passive 28Gbps SFP+

Lorom Part Number	Length	AWG
LRHSP B02 D005	0.5m +/- 0.03m	30
LRHSP B02 C010	1.0m +/-0.03m	28
LRHSP B02 A020	2.0m +/-0.05m	24
LRHSP B02 A030	3.0m +/-0.05m	24
LRHSP B02 A050	5.0m +/-0.08m	24