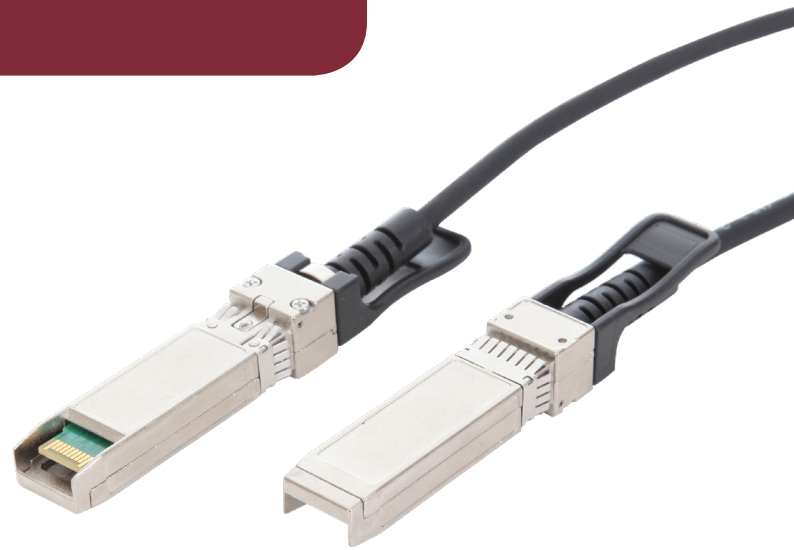


# Passive SFP56



Lorom's SFP56 direct attach copper cable assembly products family is a cost effective I/O interconnect solution for the 56 Gbps PAM4 and 28 Gbps NRZ short reach applications. Lorom SFP56 cable assembly will support continuing growth in network bandwidth demand and datacenter traffic. The product series meet and exceed the standard performance and reliability requirements of the IEEE802.3cd\_D1p1.



## Product Features & Benefits

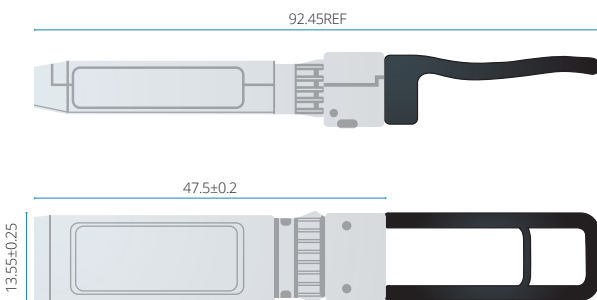
- Broadband operation capabilities for data rate up to 56 Gbps (PAM4) or 28Gbps (NRZ)
- Extended plug cycle life
- Use of E-MAXX® high speed copper cable for optimum SI performance
- Small bend radius for higher density and easier management
- Over molded cable termination increases mechanical robustness
- Various wire gauges and lengths providing diverse cable management options
- Excellent EMC/EMI performance
- Customized SFP56 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 IEEE802.3cd\_D1p1
- 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:	Up to 56	Gbps, PAM-4 modulation
	Up to 28	Gbps, NRZ modulation
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

Lorom Part Number	Length	AWG
LRHSP B80 D005	0.5m	30
LRHSP B80 C010	1.0m	28
LRHSP B80 A020	2.0m	24
LRHSP B80 A030	3.0m	24
LRHSP B80 A050	5.0m	24

### LOROM Industrial Co. Ltd.

Fl. 13, Rm. 2, No. 78, Sec. 2, An-Ho Road, Taipei, Taiwan  
**Phone:** +886-2-2706-2981

### LOROM America, West

39650 Liberty Street, Suite 400, Fremont, CA 94538, USA  
**Phone:** +1-408-981-8580

### LOROM Europe Ltd.

4 The Parks, Haydock, Merseyside, WA12 0JQ, UK  
**Phone:** +44-1942-727-775