

Lorom's active OSFP direct attach copper cable assembly products family fills the expanding need for cost effective data center interconnect that cannot be served with length exceeding current passive copper or expensive fiber optic solutions. Lorom's active OSFP cable assembly products support the 200 Gbps NRZ and 400 Gbps PAM4 applications. The product series meet and exceed the standard performance and reliability requirements of the OSFP MSA and IEEE802.3cd.



## Product Features & Benefits

- Broadband operation capabilities for data rate up to 200 Gbps (NRZ) or 400Gbps (PAM4)
- 2X increase over passive cable reach
- Lower cost, lower power and more reliable than optics
- 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 OSFP module solutions including EEPROM contents, breakout, cross-over, and lengths
- Proprietary high-speed PCB design minimizes jitter and crosstalk
- Different pull-tab color options
- OSFP MSA and IEEE802.3cd Compliant
- 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 400	Gbps, PAM-4 modulation
	Up to 200	Gbps, NRZ modulation
Minimum eye width:	0.57	UI
Power Class:	228	mV
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: Nylon
- Dimensions according to OSFP MSA

Lorom Part Number	Length	AWG
LRHSP H04 D030	3	30
LRHSP H04 C040	4	28
LRHSP H04 B050	5	26
LRHSP H04 B060	6	26

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