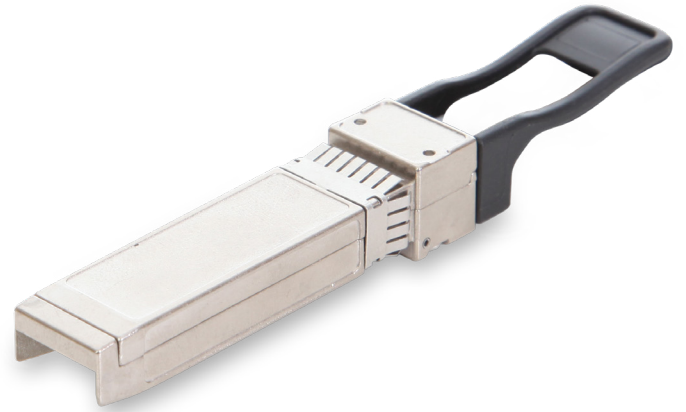


# SFP+ Loopback Module



The SFP+ Loopback Module effectively tests SFP and SFP+ ports in the host system by looping back the electrical signal. The loopback supports data rates of up to 28 Gbps. Applications include Fibre Channel, InfiniBand, Gigabit Ethernet and so on. The hot pluggable feature allows changing to/from another SFP+ compatible module without having to remove system power. Each module provides serial ID information which describes the part number in the EEPROM.



## Product Features & Benefits

- Broadband operation capabilities for data rate from 1.0 Gbps to 28Gbps
- Extended plug cycle life
- Excellent EMC/EMI performance
- Only "positive latching" in the industry (patent pending) lowers the risk of field failure
- Customized loopback module solutions including EEPROM contents
- Proprietary high-speed PCB design minimizes the impedance discontinuity and crosstalk
- Different pull-tab color options
- SFP+ MSA Compliant
- Backward compatible with industry standard SFP interface

## 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

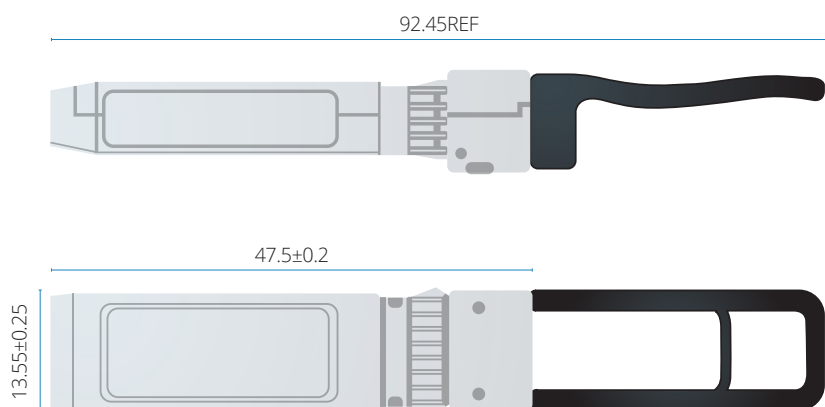


# SFP+ Loopback Module



Electrical Characteristics		
Differential Impedance:	100±10	Ohms
Data Rate:	Up to 28	Gbps
Power Supply Voltage:	3.3 ± 5%	V
Hot Plug Inrush Current	< 400	mA
SCL, SDA Pin Input Capacitance:	< 100	pF
Operating Voltage:	< 30	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 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

[lorom.com](http://lorom.com)  
[info@lorom.com](mailto:info@lorom.com)