

QSFP Loopback Module



The QSFP Loopback Module effectively tests QSFP ports in the host system by looping back the electrical signal. The loopback supports data rates of up to 100 Gbps. Applications include Fibre Channel, InfiniBand, Gigabit Ethernet. The hot pluggable feature allows changing to/from another QSFP 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 up to 100 Gbps
- 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
- QSFP MSA Compliant

Lorom Part Number	Data Rate	Attenuation at DC
LRHSP D40 Z000	40Gbps	0dB
LRHSP D40 Z003	40Gbps	3dB
LRHSP D40 Z006	40Gbps	6dB
LRHSP D41 Z000	100Gbps	0dB
LRHSP D41 Z003	100Gbps	3dB
LRHSP D41 Z006	100Gbps	6dB

Target Markets & Applications

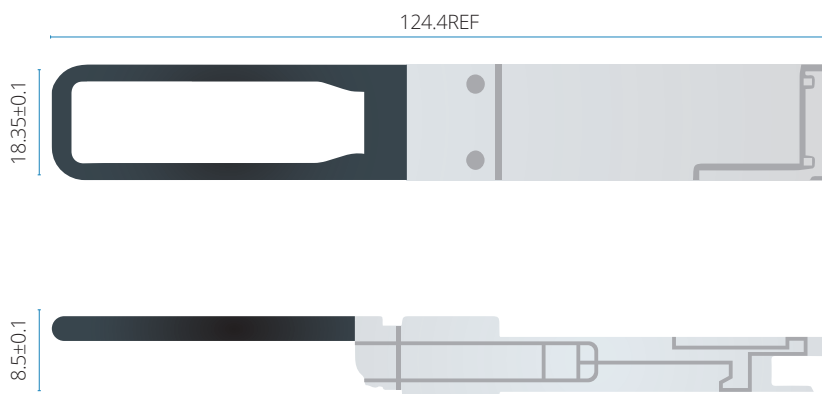
- High density and data rate I/O in SAN, NAS and Servers
- Switches and routers
- Data center cabling infrastructure
- High density interconnects for networking equipment and high-performance computing

QSFP Loopback Module



Electrical Characteristics		
Differential Impedance:	100±10	Ohms
Data Rate:	Up to 100	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: Nylon
- Dimensions according to SFF 8436

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
info@lorom.com