

Fiber Optic Transceiver, SFP, 1550nm, EX SMF  
40km, 1000Base DDM, Alcatel 7x50



## FXC-SFP-EX-1G-A7x

### Features

- Operating Data Rate up to 1.25 Gbps
- Distance Range 40KM
- Single 3.3V Power Supply and TTL Logic Interface
- Pluggable SFP Duplex LC Connector
- Standard and Industrial Operating Temperature
- Compliant with Alcatel 7x50 SFP Specification

### Applications

- Telecom (Service Provider)
- Datacom
- Enterprise Networks
- Government
- Fiber to the home/business

### Description

The L-com FXC-SFP-EX-1G-A7x is an SFP form-factor transceiver, supporting 1G Ethernet rates. The L-com FXC-SFP-EX-1G-A7x supports 40KM distance and it is Alcatel 7x50 compliant transceiver. The L-com FXC-SFP-EX-1G-A7x features digital diagnostics for performance monitoring of the transceiver. The L-com FXC-SFP-EX-1G-A7x is one of thousands of fiber optic connectivity products available from L-com in-stock and ready to ship. Contact our knowledgeable technical support and sales staff for your answers on fiber optic connectivity or other L-com products.

### Configuration

Data Rate	1 Gbps
Form Factor	SFP
Connector	LC
Connector Mode	Duplex
Mode	Single Mode
Distance	40 km
Mfg Platform Compatibility	Alcatel 7x50

### Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Wattage			1.04	W
Power Supply Voltage Vcc	3.15	3.3	3.45	V
Power Supply Current Icc			300	mA

### Optical Specifications

Description	Minimum	Typical	Maximum	Units
TX Center Wavelength	1500	1550	1580	nm
TX Data Rate		1.25		Gbps
TX Spectral Width			1	nm
TX Average Output Power	-5		0	dBm
TX Extinction Ratio	9			dB

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications:  
[Fiber Optic Transceiver, SFP, 1550nm, EX SMF 40km, 1000Base DDM, Alcatel 7x50 FXC-SFP-EX-1G-A7x](#)

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## FXC-SFP-EX-1G-A7x

RX Center Wavelength	1260	1600	nm
RX Receiver Sensitivity	-24		dBm
RX Receiver Overload		-3	dBm

### Environmental Specifications

#### Temperature

Operating Range

0 to +70 deg C

Storage Range

-40 to +85 deg C

Notes:

**Compliance Certifications** (see [product page](#) for current document)

### Plotted and Other Data

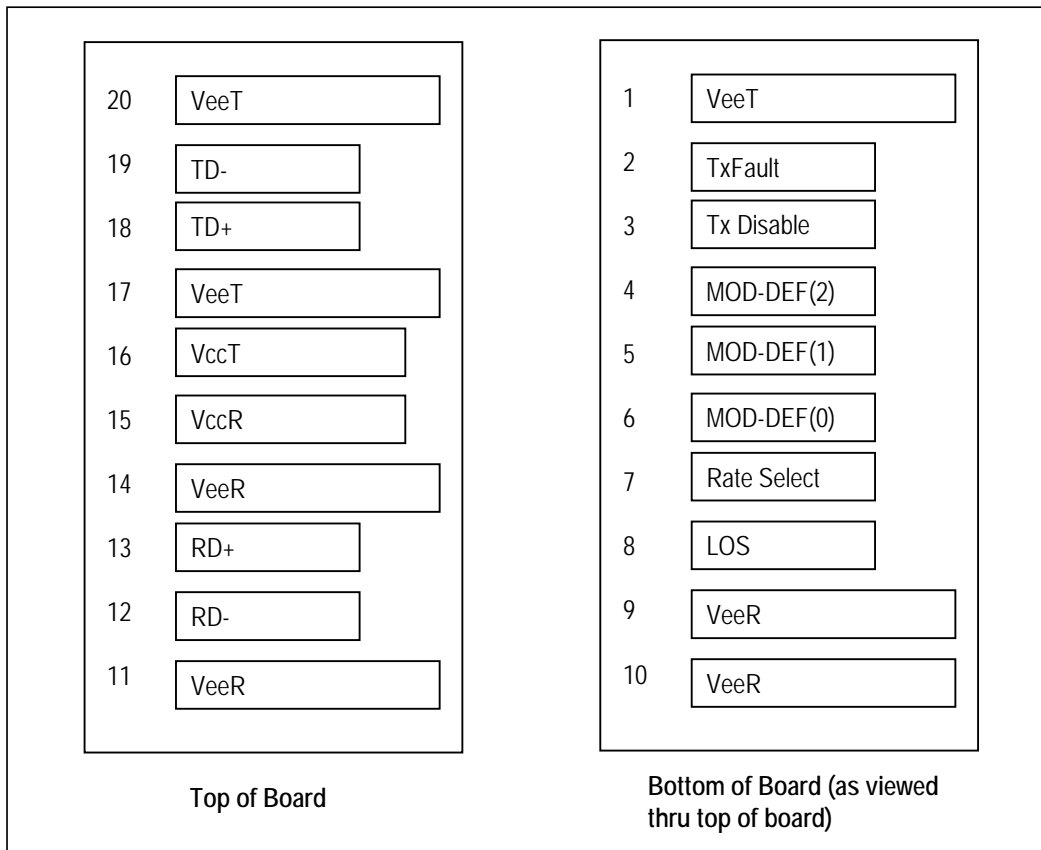
Notes:

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**FXC-SFP-EX-1G-A7x**

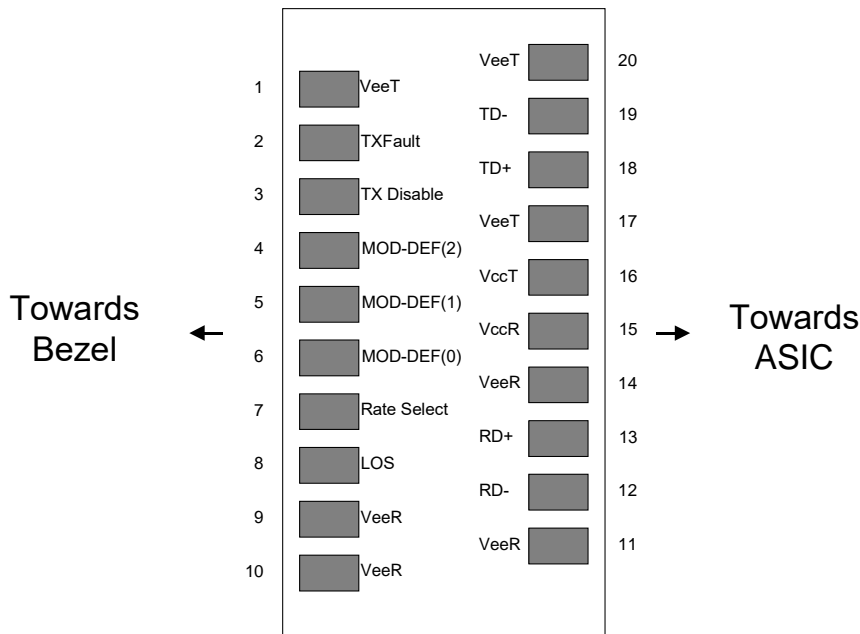
**Small Form-factor Pluggable (SFP) Transceiver MultiSource Agreement (MSA)**



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**FXC-SFP-EX-1G-A7x**



**Figure 1. Diagram of Host Board Connector Block Pin Numbers and Names**

Fiber Optic Transceiver, SFP, 1550nm, EX SMF 40km, 1000Base DDM, Alcatel 7x50 from L-com has same day shipment for domestic and International orders. Our portfolio includes coaxial cable assemblies, connectors, adapters and custom products as well as lightning and surge protectors, NEMA rated enclosures, and an RF product line which includes antennas, amplifiers, passive, and active components.

The information contained within this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part in order to impliment improvements. L-com reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. L-com does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and L-com does not assume liability arising out of the use of any part or document.

L-com CAD Drawing

