

Fiber Optic Transceiver SFP Gigabit Ethernet, 80 km reach, 1550nm



## FXC-SFP1G-55-80

### Features

- Operating Data Rate up to 1.25Gbps
- Distance Range 80km
- Pluggable SFP Duplex LC Connector
- Standard Operating Temperature
- MSA Compliant

### Applications

- Gigabit Ethernet Switches and Routers
- Fibre Channel Switch Infrastructure
- Optical Links

### Description

The L-com FXC-SFP1G-55-80 is an SFP form-factor transceiver, supporting Gigabit Ethernet data rates. The L-com FXC-SFP1G-55-80 features a 1550nm transmitter and supports 80 km links over single mode fiber. The FXC-SFP1G-55-80 is an MSA-compliant transceiver, compatible with most switch and router platforms. The L-com FXC-SFP1G-55-80 features digital diagnostics for performance monitoring of the transceiver. The L-com FXC-SFP1G-55-80 SFP transceiver 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

Connector 1	LC
Connector Mode	Duplex
Compatibility	MSA

### Filter Specifications

Description	Minimum	Typical	Maximum	Units
TX Center Wavelength	1,500	1,550	1,580	nm
TX Data Rate		1.25		Gbps
TX Spectral Width			1	nm
TX Average Output Power	0		5	dBm
TX Extinction Ratio	9			dB
RX Center Wavelength	1,260		1,600	nm
RX Receiver Sensitivity	-24			dBm
RX Receiver Overload			-3	dBm

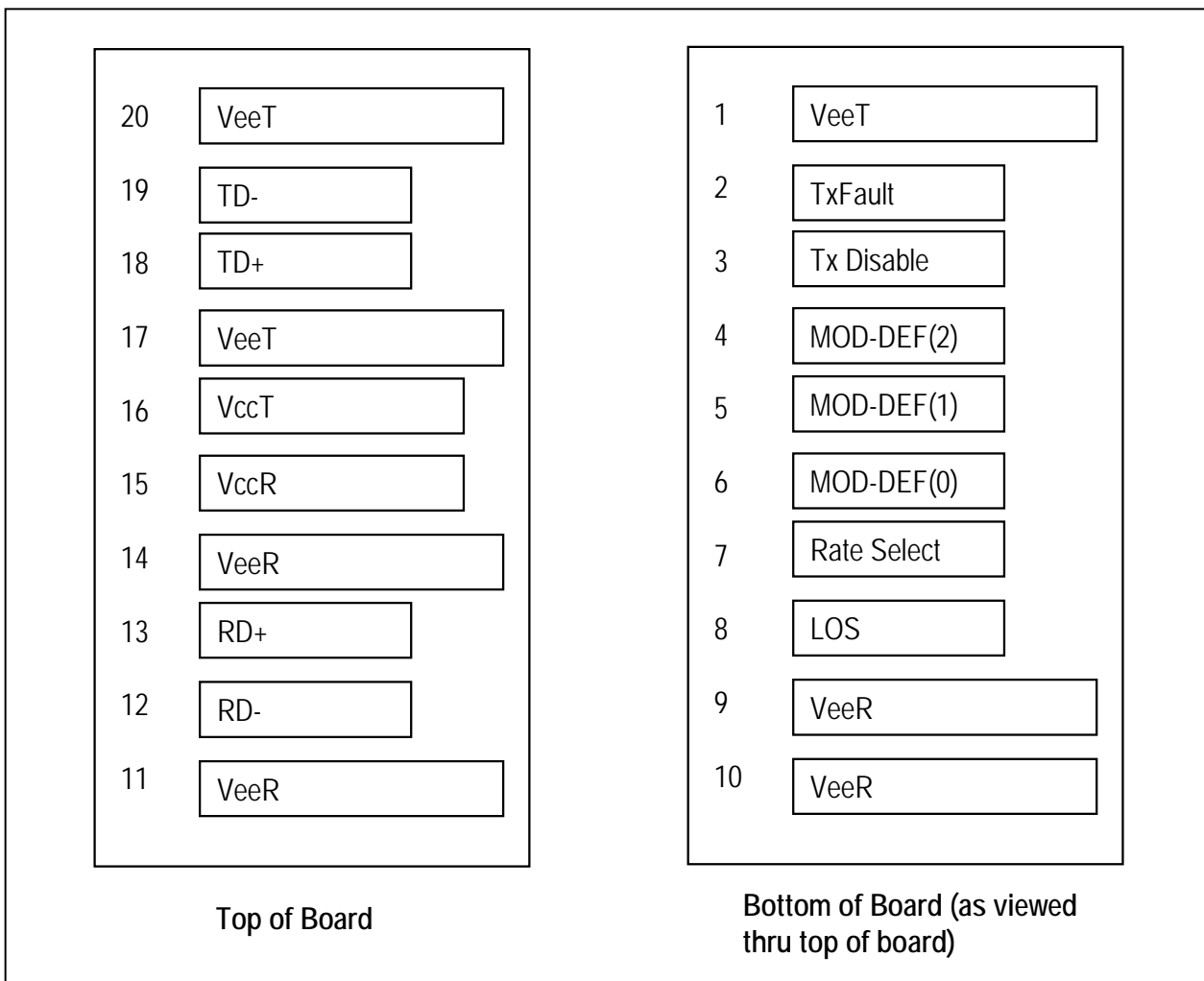
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications:  
[Fiber Optic Transceiver SFP Gigabit Ethernet, 80 km reach, 1550nm FXC-SFP1G-55-80](#)

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**FXC-SFP1G-55-80**

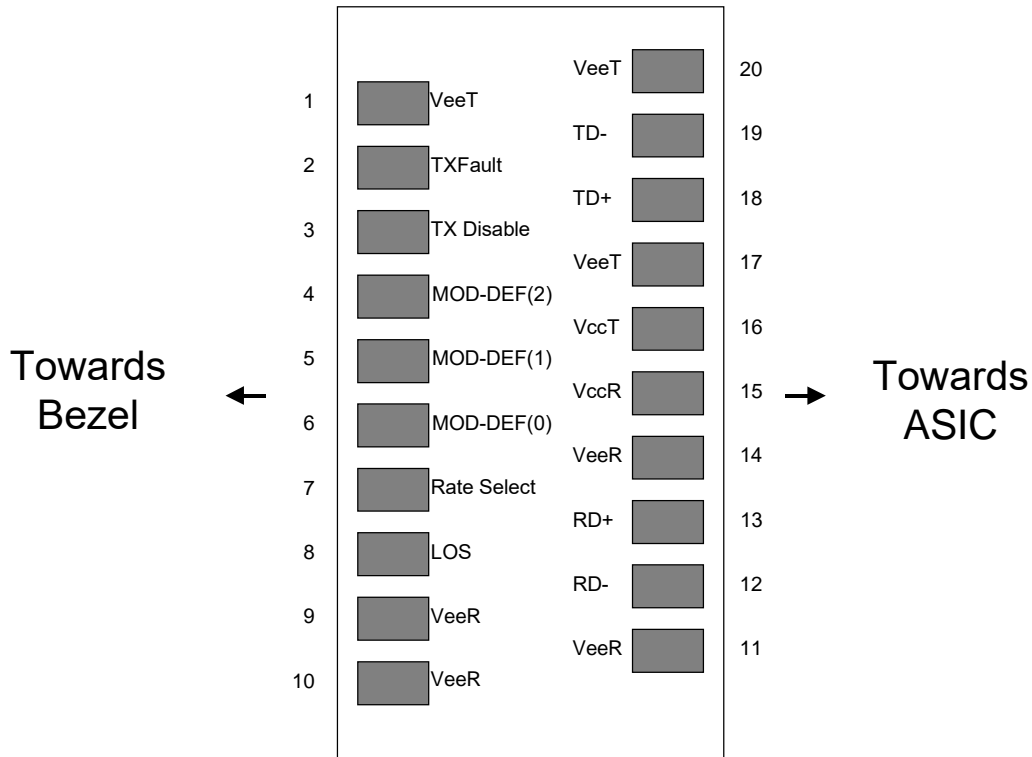
**Small Form-factor Pluggable (SFP) Transceiver MultiSource Agreement (MSA)**



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

**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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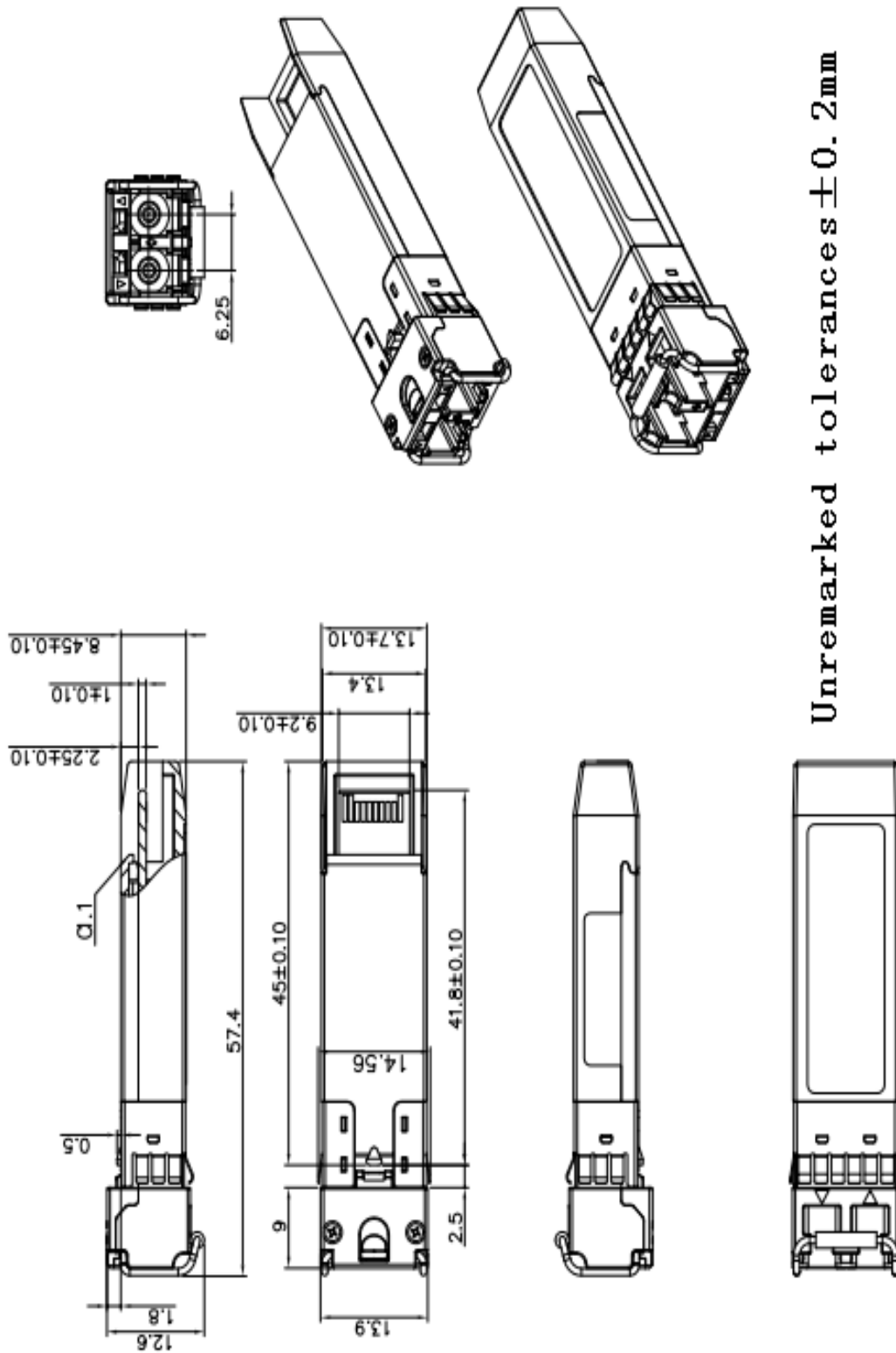
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Fiber Optic Transceiver SFP Gigabit Ethernet, 80 km reach, 1550nm from L-com has same day shipment for domestic and International orders. Our portfolio includes coaxial cable assemblies, connectors, adapters and custom products as well as lightning 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

# Mechanical Specifications



Unremarked tolerances ±0.2mm