

Specifications

Cisco Compatible 1000BaseLX Extended Distance Singlemode SFP

KEY FEATURES:

- Supports 1000base-LX up to 40km over Singlemode fiber
- Multi-Source Agreement (MSA) Compliant
- Hot-pluggable
- RoHS compliant and lead-free
- Single +3.3V power supply
- Compliant with SFF8472 diagnostic monitoring interface



ORDERING INFORMATION:

PART NO.	DESCRIPTION
AS30140	1000BaseLX Extended Distance Singlemode SFP, Cisco Compatible, 40km

SPECIFICATIONS

APPLICABLE STANDARDS

IEEE 802.3z 1000Base-X

3.3V ELECTRICAL POWER INTERFACE

Supply Current : Max: 200mA

Input Voltage : Typical: 3.3, Min: 3.13V, Max: 3.5V

Maximum Voltage : 4V

ENVIRONMENTAL CONDITIONS

Operating Temperature: 0 to 158 °F (0 to 70 °C)

Storage Temperature: -40 to 185 °F (-40 to 85 °C)

Operating RH: 5 - 95% (non-condensing)

WARRANTY

5 - Year Limited Component

OPTICAL CHARACTERISTICS:

PARAMETER	MIN	TYPICAL	MAX	UNIT	NOTE
Transmitter					
Output Launch. Power	-2	-	+3	dBm	
Center Wavelength	1290	1310	1355	nm	
Spectral Width (RMS)			4	nm	
Extinction Ratio	9		-	dB	
Optical Eye Mask	Compatible with IEEE 802.3z				
Receiver					
Receiver Sensitivity			-24	dBm	1
Maximum input Power	-3			dBm	1
Optical Center Wavelength	1260		1620	nm	
LOS De-Assert			-25	dBm	
LOS Assert	-35			dBm	
LOS Hysteresis	0.5			dB	
Differential Data Output Voltage	600		1000	mV	
Receiver LOS Signal Output Voltage-Low	GND		0.8	V	
Receiver LOS Signal Output Voltage-High	2.0		Vcc	V	

NOTES:

1. Measured with a PRBS 2⁷-1 test pattern @ 125Mbps BER<10⁻¹⁰

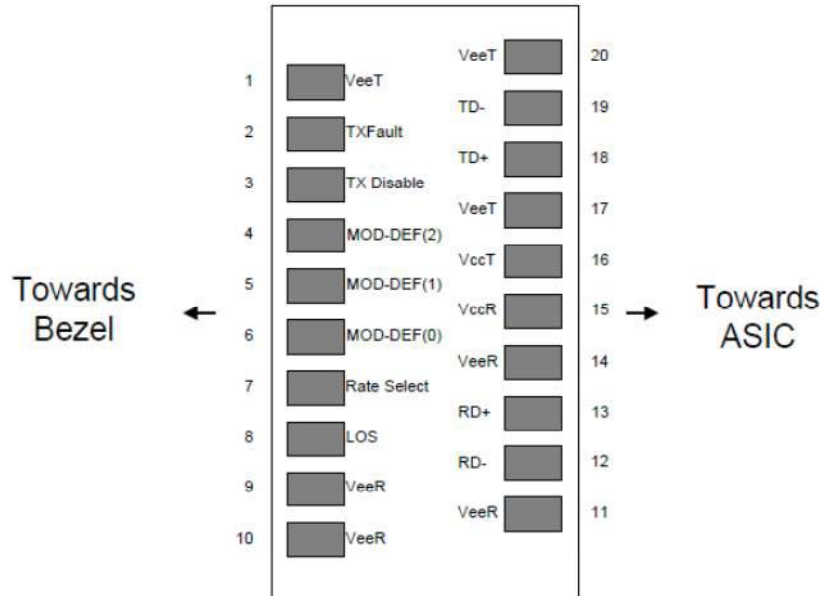


Figure 1. Diagram of host board connector block pin numbers and names

Product Specifications

MECHANICAL DIMENSIONS (MM)

Tc measurement point

