

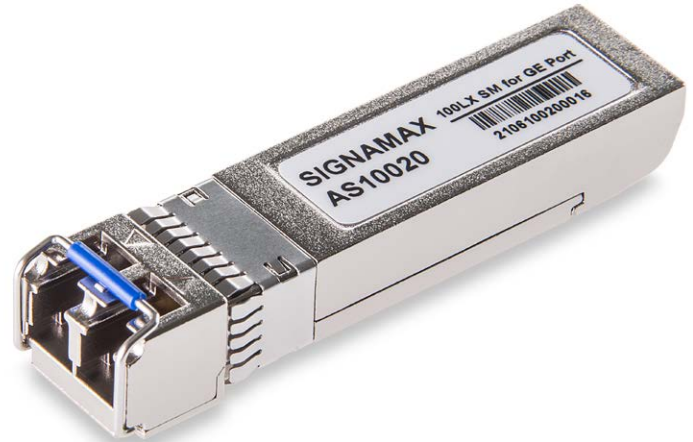
Product

Specifications

100BaseLX Singlemode SFP for use in Gigabit SFP Port

KEY FEATURES:

- Supports 100base-LX up to 15km over 9/125µm SingleMode fiber
- Multi-Source Agreement (MSA) Compliant
- Built-in FPGA Converts Gigabit SERDES interface to Fast Ethernet
- Hot-pluggable
- RoHS compliant and lead-free
- Single +3.3V power supply
- Extended temperature model available
- Compliant with SFF8472 diagnostic monitoring interface



ORDERING INFORMATION:

PART NO.	DESCRIPTION
AS10020	100BaseLX Singlemode SFP for GE Port
AS11020	100BaseLX Extended Temperature Singlemode SFP for GE Port

SPECIFICATIONS

APPLICABLE STANDARDS

IEEE 802.3ah-2004 100Base-LX

3.3V ELECTRICAL POWER INTERFACE

Supply Current : Max: 430mA

Input Voltage : Typical: 3.3, Min: 3.13V, Max: 3.47V

Maximum Voltage : 4V

Host Interface : Gigabit SERDES

Operating Temperature:

AS10020: 0 to 158 °F (0 to 70 °C)

AS11020: -40 to 185 °F (-40 to 85 °C)

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

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

WARRANTY

5 - Year Limited Component

ENVIRONMENTAL CONDITIONS

Product Specifications

OPTICAL CHARACTERISTICS:

PARAMETER	MIN	TYPICAL	MAX	UNIT	NOTE
Transmitter					
Output Launch. Power	-15	-	-3	dBm	
Center Wavelength	1270	1310	1355	nm	
Spectral Width (RMS)			4	nm	
Extinction Ratio	8		-	dB	
Optical Eye Mask	Compatible with IEEE 802.3ah-2004				
Receiver Sensitivity			-30	dBm	1
Maximum input Power	-3			dBm	1
Optical Center Wavelength	1270		1610	nm	
Optical Return Loss	12			dB	
LOS De-Assert			-31	dBm	
LOS Assert	-36			dBm	
LOS Hysteresis	0.5		4	dB	
Differential Data Output Voltage	300		800	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

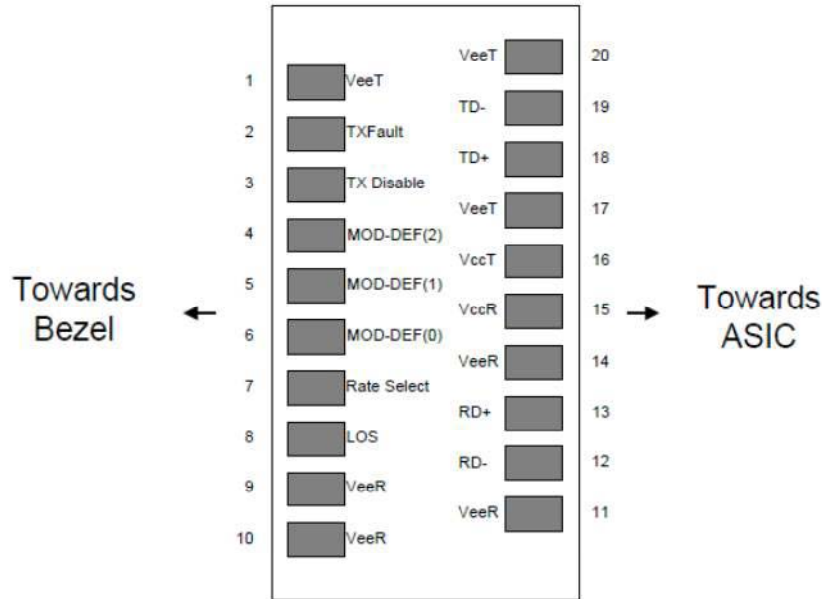


Figure 1. Diagram of host board connector block pin numbers and names

MECHANICAL DIMENSIONS (MM)

