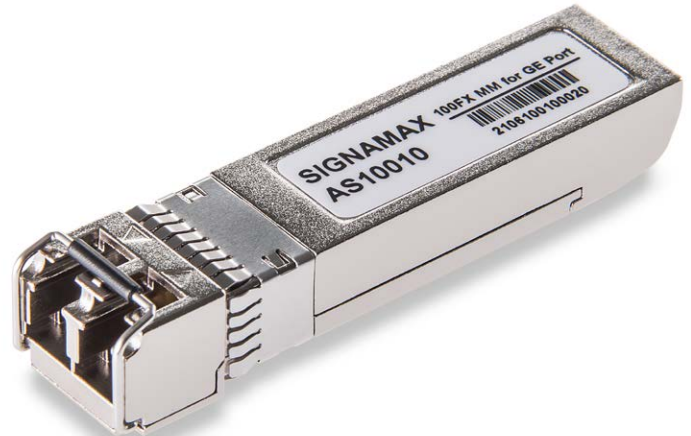


## 100BaseFX Multimode SFP for use in Gigabit SFP Port

### KEY FEATURES:

- Supports 100base-FX up to 2km over either 50/125µm or 62.5/125µm Multimode 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
AS10010	100BaseFX Multimode SFP for GE Port
AS11010	100BaseFX Extended Temperature Multimode SFP for GE Port

### SPECIFICATIONS

#### APPLICABLE STANDARDS

IEEE 802.3u 100Base-FX

#### 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:

**AS10010**: 0 to 158 °F (0 to 70 °C)

**AS11010**: -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
<b>Transmitter</b>					
Output Launch. Power	-20	-	-10	dBm	
Center Wavelength	1270	1310	1355	nm	
Spectral Width (RMS)			7	nm	
Extinction Ratio	8		-	dB	
Optical Eye Mask	Compatible with IEEE 802.3u				
Receiver Sensitivity			-28	dBm	1
Maximum input Power	-3			dBm	1
Optical Center Wavelength	1270		1610	nm	
Optical Return Loss	12			dB	
LOS De-Assert			-29	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 2<sup>7</sup>-1 test pattern @ 125Mbps BER < 10<sup>-10</sup>

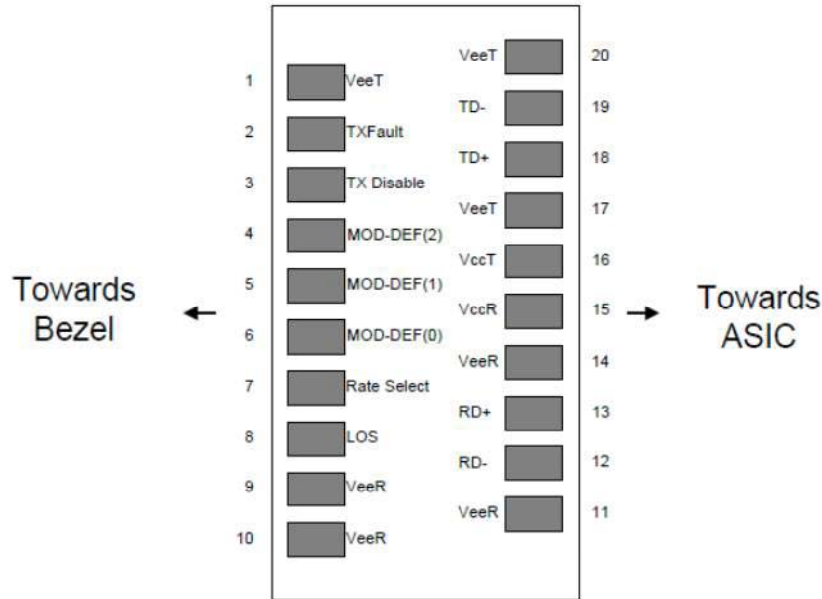


Figure 1. Diagram of host board connector block pin numbers and names

MECHANICAL DIMENSIONS (MM)

