SIGNAMAX NETWORK SOLUTIONS

Product Specifications

10GBASE-LR SINGLEMODE SFP+ MODULE

KEY FEATURES:

- SFF-8431 and SFF-8432 MSA Compliant
- Support 10GBase-LR
- Hot-pluggable
- Dual LC connector
- RoHS compliant and lead-free
- Single +3.3V power supply
- Supports 10 Gigabit Ethernet and 10G Fibre Channel up to 10 km over SingleMode fiber
- Ambient Operating Temperature: 0°C to +70°C
- Supports Digital Optical Diagnostics (DOM)
- Metal enclosure with low EMI
- DFB transmitter and PIN Receiver
- GR-253-CORE compliant



ORDERING INFORMATION:

PART NO.	DESCRIPTION
065-80LR10G10KM	10G LR SFP+ Module 1310nm LC/SM, 10km

SPECIFICATIONS

APPLICABLE STANDARDS
IEEE 802.3ae 10GBase-LR
IEEE 802.3z 1000Base-LX

3.3V ELECTRICAL POWER INTERFACE
Supply Current : Max: 300mA
Input Voltage : Typical: 3.3, Min: 3.13, Max: 3.47V

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)

CERTIFICATIONS
Emissions: CE Mark: EN 55022, Class B; FCC Part 15 Class B, VCCI Class B
Immunity: IEC 61000-4-2/3
Safety: EN 60950, IEC 60825-1/2, FDA 21CFR 1040.10/11

WARRANTY
5 - Year Limited Component

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Miami, FL 33169
Tel: 800.446.2377

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OPTICAL CHARACTERISTICS:

PARAMETER	MIN	TYPICAL	MAX	UNIT	NOTE
Transmitter					
Output Opt. Power	-6	-	+0.5	dBm	1
Optical modulation amplitude	-5.2	-2		dBm	
Extinction Ratio	3.5	-	-	dB	
Transmitter and Dispersion Penalty	-	-	3.2	dB	
Average Launch power of OFF TX	-	-	-30	dBm	
Optical Wavelength	1260	1310	1355	nm	
Side mode Suppression Ratio	30			dB	
Optical Return Loss Tolerance			12	dB	
Relative Intensity Noise	-	-	-128	dB/Hz	
Transmitter Reflectance	-	-	-12	dB	
Eye Diagram	Compatible with IEEE 802.3-2005				
Receiver Sensitivity	-	-	-14.4	dBm	1
Overload	0.5	-	-	dBm	1
Receiver Reflectance	-	-	-12	dB	
Optical Center Wavelength	1260	-	1610	nm	
Los Assert	-30	-	-	dBm	
Los De-assert	-	-	-15	dBm	
Los hysteresis	0.5	-	5	dB	

NOTES:

1. BER ≤10-12 @PRBS231-1 at 10.3125Gb/s.

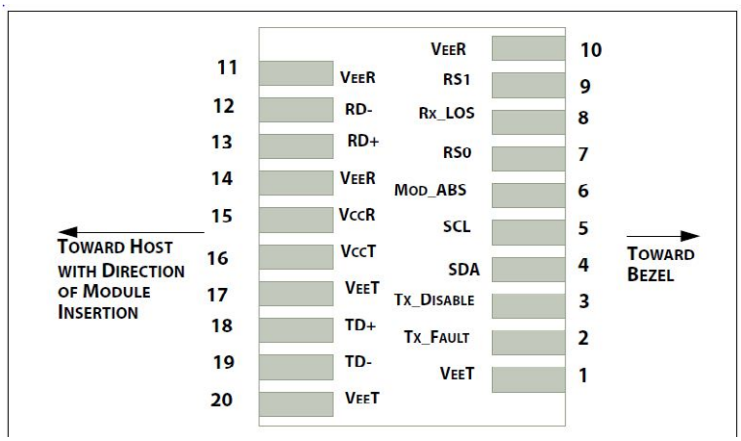


Figure 1. Diagram of host board connector block pin numbers and names

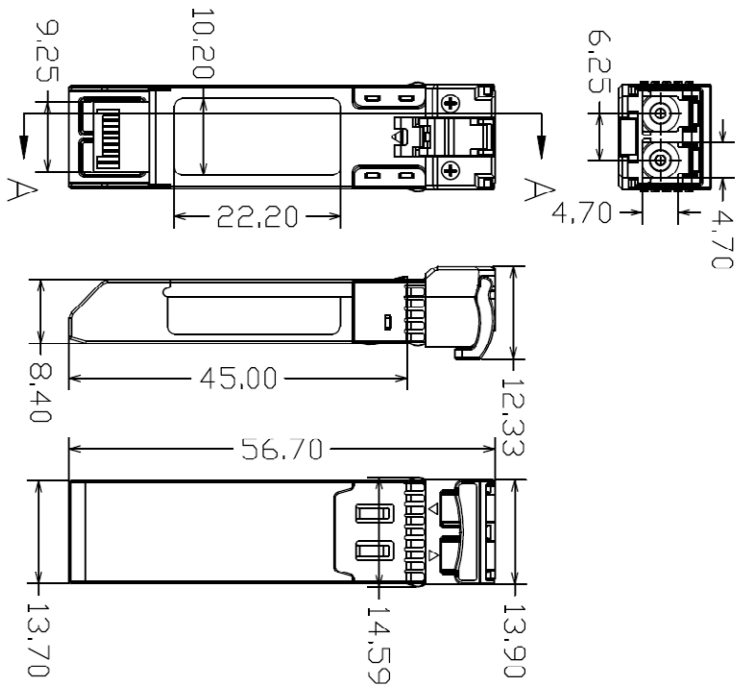
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MECHANICAL DIMENSIONS (MM)



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