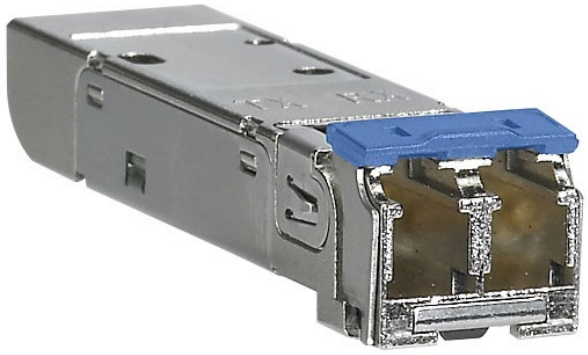
SIGNAMAX
NETWORK SOLUTIONS

Product Specifications

10GBase-SR Multimode SFP+ Module Cisco Compatible, 300m

KEY FEATURES:

- Support 10GBase-SR and 10G Fibre Channel up to 300m over 50/125um MultiMode fiber
- SFF-8431 and SFF-8432 MSA Compliant
- Cisco Compatible
- Hot-pluggable
- RoHS compliant and lead-free
- Single +3.3V power supply
- Supports Digital Optical Diagnostics (DOM)



ORDERING INFORMATION:

PART NUMBER	DESCRIPTION
AS51020	10G SR SFP+ Module Cisco Compatible, 850nm LC/MM, 300m

SPECIFICATIONS

APPLICABLE STANDARDS
IEEE 802.3ae 10GBase-SR
IEEE 802.3z 1000Base-SX

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

ENVIRONMENTAL REQUIREMENTS
Operating Temperature: 32 to 158°F (0 to 70°C)
Storage Temperature: -40 to 185°F (-40 to 85°C)
Operating/Storage Humidity: 5 to 95% (non-condensing)

CERTIFICATIONS
Emissions: CE Mark: EN 55022, Class B; FCC Part 15 Class B; VCCI Class B
Immunity: IEC61000-4-2/3
Safety: EN 60950, IEC 60825-1/2, FDA 21CFR 1040.10/11

WARRANTY
Five Years

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OPTICAL CHARACTERISTICS:

PARAMETER	MIN	TYPICAL	MAX	UNIT	NOTE
Transmitter					
Output Opt. Power	-7.3	-	-1	dBm	1
Optical modulation amplitude	-4.3	-3		dBm	
Extinction Ratio	3	4.5-	-	dB	
Transmitter and Dispersion Penalty	-	-	3.9	dB	
Average Launch power of OFF TX	-	-	-30	dBm	
Optical Wavelength	840		860	nm	
Optical Return Loss Tolerance			12	dB	
Relative Intensity Noise	-	-	-128	dB/Hz	
Eye Diagram		Compatible with IEEE 802.3-2005			
Receiver Sensitivity	-	-	-11	dBm	1
Receiver Sensitivity in OMA			-11.1	dBm	1
Overload	-1	-	-	dBm	1
Receiver Reflectance	-	-	-12	dB	
Optical Center Wavelength	840	-	860	nm	
Los Assert	-20	-	-	dBm	
Los De-assert	-	-	-13	dBm	
Los hysteresis	0.5	-		dB	

NOTES:

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

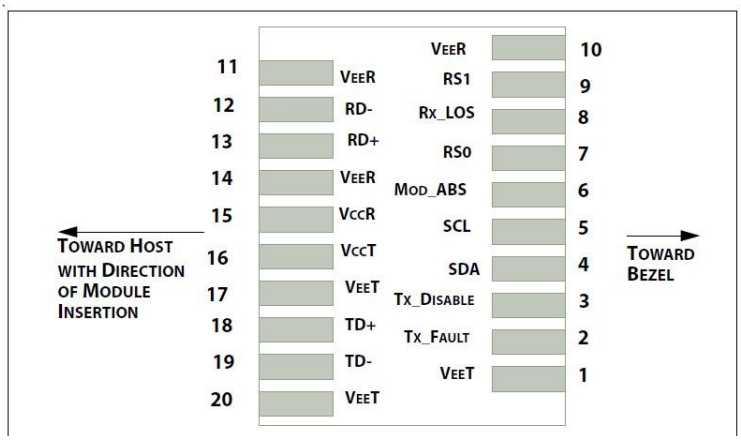

Figure 1. Diagram of host board connector block pin numbers and names

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MECHANICAL DIMENSIONS (MM)