

Specifications

Cisco Compatible 1000BaseSX Extended Distance Multimode SFP

KEY FEATURES:

- Supports 1000base-SX up to 2km over 50/125µm or 62.5/125µm Multimode 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 |
|----------|---|
| AS30120 | 1000BaseSX Extended Distance Multimode SFP, Cisco Compatible, 2km |

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

Product Specifications

OPTICAL CHARACTERISTICS:

| PARAMETER | MIN | TYPICAL | MAX | UNIT | NOTE |
|---|-----------------------------|---------|------|------|------|
| Transmitter | | | | | |
| Output Launch. Power | -10 | - | -1 | dBm | |
| Center Wavelength | 1260 | 1310 | 1355 | nm | |
| Spectral Width (RMS) | | | 4 | nm | |
| Extinction Ratio | 9 | | - | dB | |
| Optical Eye Mask | Compatible with IEEE 802.3z | | | | |
| Receiver | | | | | |
| Receiver Sensitivity | | | -21 | dBm | 1 |
| Maximum input Power | -3 | | | dBm | 1 |
| Optical Center Wavelength | 1260 | | 1620 | nm | |
| LOS De-Assert | | | -22 | dBm | |
| LOS Assert | -38 | | | 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

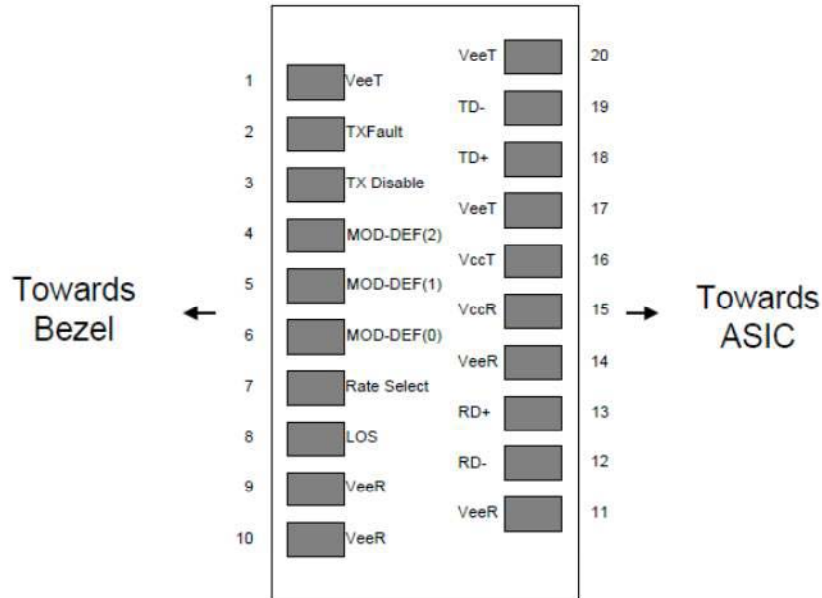


Figure 1. Diagram of host board connector block pin numbers and names

Product Specifications

MECHANICAL DIMENSIONS (MM)

Tc measurement point

