ELECTRICAL PERFORMANCE

- Power Supply Voltage: 3.3V
- Bit Error Rate
  - BER < 10^{-12} at 25GbE, PRBS31
  - BER < 10^{-12} at 10GbE, PRBS31
- Lanes per device: 2 Transmits and 2 Receives
- Low Power Consumption (< 2W @ 25Gbps)
- Transmitter Type: 850nm VCSEL Laser
- Receiver Type: PIN Photodiode
- Differential Impedance RF Lines: 100 Ohm ±10%

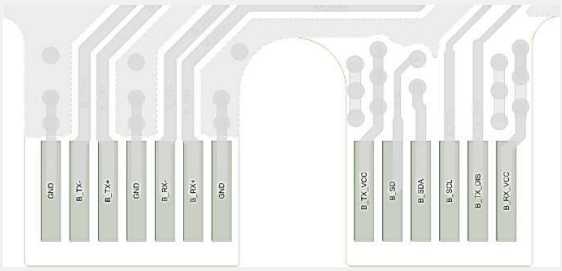
ADDITIONAL INFORMATION

- Board Thickness: 1.57mm
- Mates with Samtec HSE8-109 connector family
- Hard gold finish for the edge-connect, other areas using ENEPIG
- All SCFF signals are routed separately to the Edge Connector
- Signals applied to the Edge Connector are mirrored on both sides to allow easier custom layout routing
- The SCFF housing is connected to the signal ground on the Edge Card

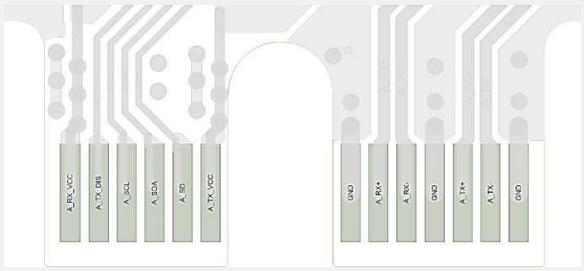
OPTICAL PERFORMANCE

- Operating Temp: -40°C to 85°C
- Storage Temp: -55°C to 100°C
- Typical Avg TX Power = 0.2dBm
- Typical RX Sensitivity = -12dBm (1E-12)
- Typical Power = 1.1W
- Power Supply = 3.3V
- Data Rate: 1Gbps to 25GbE
- Shock and Vibe: MIL-STD-883

SIGNAL TOP LAYER



SIGNAL BOTTOM LAYER



MECHANICAL PROPERTIES

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