

Eye Speed®

Rugged High Speed I/O Connector and Cable System

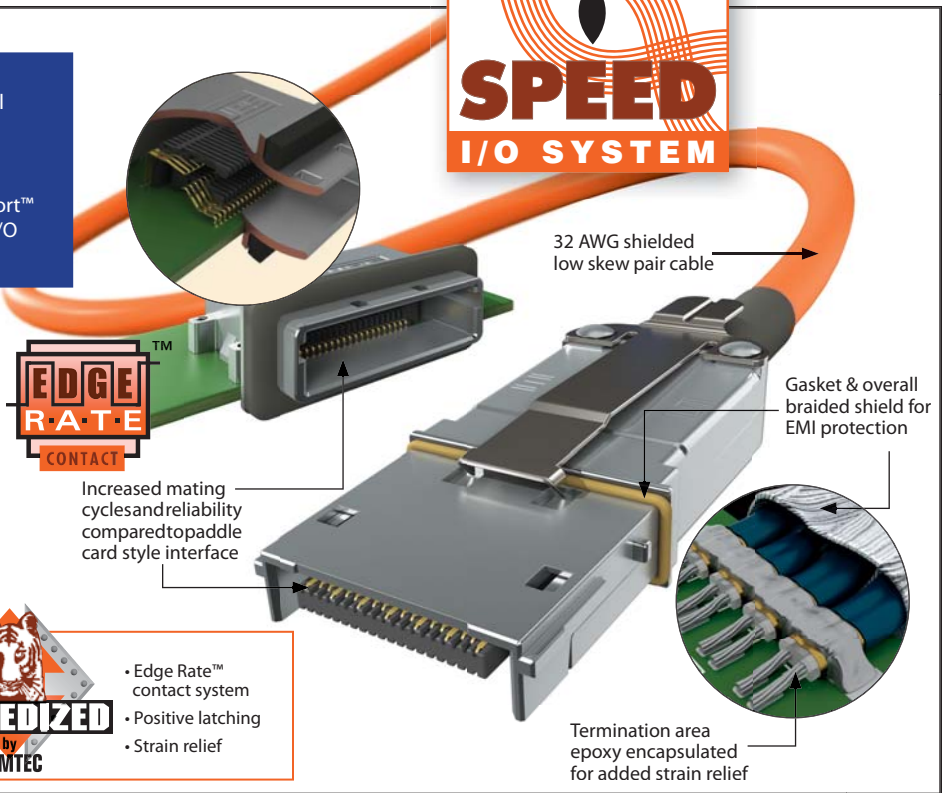
Eye Speed® is a rugged, small form factor, cost effective high speed I/O connector and cable system (EPLSP and ERI8/ERC Series). The Eye Speed® system supports performance specs to meet a variety of protocols and standards.

Samtec's Eye Speed® system achieves its superior ruggedness over comparable external PCIe cable assemblies primarily by using Edge Rate™ contacts. This is a two-piece, metal-to-metal contact, unlike paddle card style interfaces. Edge Rate™ contacts are designed for signal integrity and provide superior impedance matching, reduced broadside coupling and crosstalk, low insertion and withdrawal forces, and high cycles.

The EPLSP Series cable assembly comes standard with 32 AWG low skew pair, 100Ω controlled impedance cable boasting a 25mm bend radius. It has a cable flex life of up to 500 cycles (180° bend per EIA 364-41) and no suckout beyond 15 GHz, preserving the harmonic signal content.

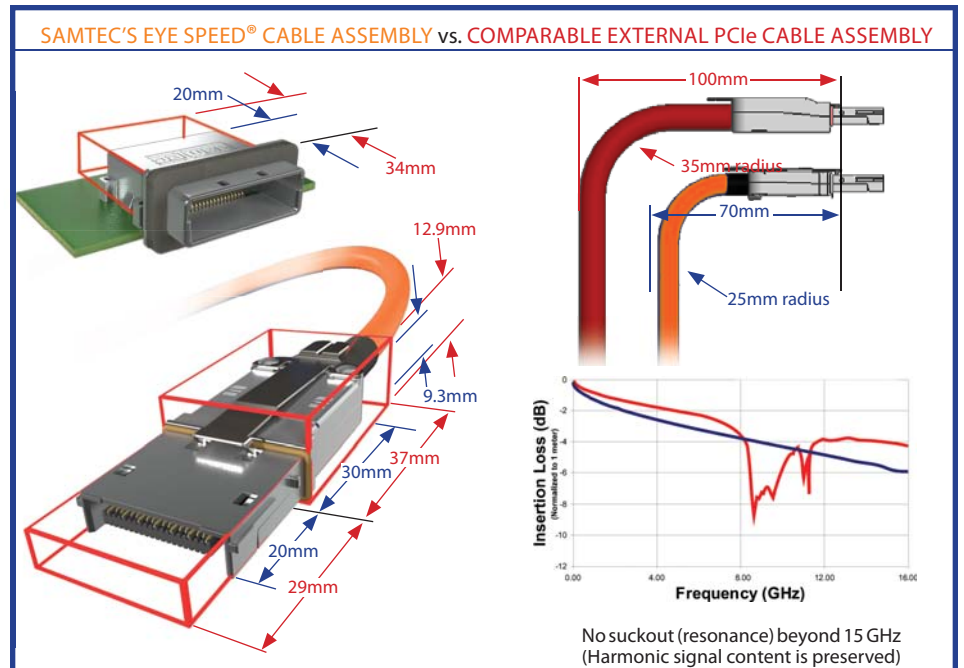
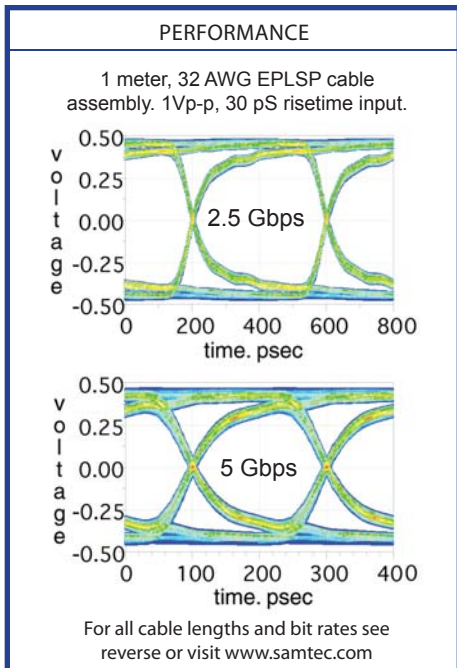
The Eye Speed® EPLSP Series cable assembly also features a rugged, low

Supports:
Fibre Channel
SAS
SATA
PCI Express®
HyperTransport™
Serial Rapid I/O
InfiniBand



profile, die cast housing which allows stacking, and positive latching. Eight and sixteen pair designs, with power and clock lines are the current standard product offering. This product is RoHS compliant.

For complete specifications on Samtec's Eye Speed® system visit www.samtec.com?EPLSP and www.samtec.com?ERI8 or, contact our Signal Integrity Group at SIG@samtec.com



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