





(0.80 mm) .0315"

EPLSP SERIES

RUGGED LATCHING HIGH-SPEED SYST

FEATURES

- Rugged external cable
- Small form factor
- Low profile latching
- Metal-to-metal two-piece contact system
- High mating cycles
- High cable flex life (500 cycles 180° bend)
- Small bend radius

SPECIFICATIONS

For complete specifications see www.samtec.com?EPLSP

Cable:

32 AWG Low Skew Pair/ 28 AWG Power Bend Radius: Constitution of the standard (See web address above for additional information) Operating Temp Range: -20 °C to +105 °C **Current Rating:** 1.7 A per pin (1 pin powered per row)
RoHS Compliant:

PROTOCOLS

- SAS
- SATA
- Fibre Channel
- Ethernet
- PCIe®
- InfiniBand[™]

OTHER SOLUTIONS



 IP68 Sealed System (RCH/RPBH Series).

For more information, see www.samtec.com?RCH and www.samtec.com?RPBH.

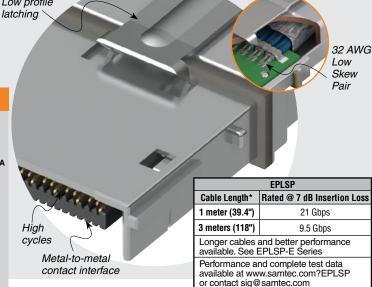
This Series is non-standard, non-returnable.



EDGE[®] RATE

APPLICATION







= Eye Speed® I/O Cable

NO. OF **POSITIONS**

-019 = 9 Pairs, 5 Power, 19 positions

-031

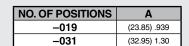
= 17 Pairs, 5 Power, 31 positions

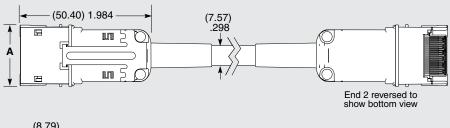
LENGTH

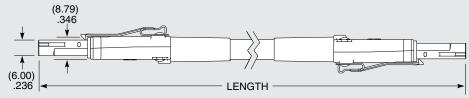
·"XXXX" Length in millimeters **–1000, –2000, –3000** (Standard lengths)

ALSO AVAILABLE (MOQ Required)

· Other lengths Contact Samtec.







Due to technical progress, all designs, specifications and components are subject to change without notice. WWW.SAMTEC.COM







(0.80 mm) .0315"

RUGGED LATCHING HIGH-SPEED SYSTEM

SPECIFICATIONS

For complete specifications see www.samtec.com?EPLSP-E

Cable: 32 AWG Low Skew Pair/ 28 AWG Power

Bend Radius: (25.40 mm) 1.00" Signal Routing:

100 Ω Differential Pinout Map:

1:1 Map Standard (See web address above for additional information) Operating Temp Range: -20 °C to +105 °C RoHS Compliant:

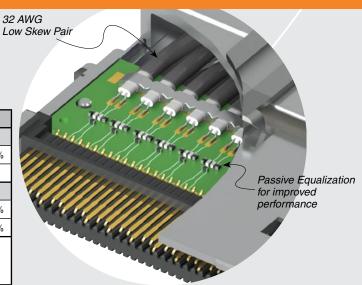
Mates with:

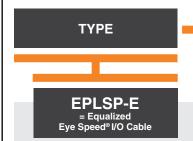


Performance Comparisons						
Data Rate	EPLSP	EPLSP-E	Δ			
14 Gbps	2 m (80")	2.8 m (112")	+ 40%			
28 Gbps	N/A	0.5 m (20")	N/A			
Cable Length	EPLSP	EPLSP-E	Δ			
1 meter (39.4")	21 Gbps	25.5 Gbps	+ 20%			
3 meters (118")	9.5 Gbps	13 Gbps	+ 37%			

Rated at 7 dB insertion loss

Performance and complete test data available at www.samtec.com?EPLSP-E or contact sig@samtec.com





NO. OF **POSITIONS**

-019

= 9 Pairs, 5 Power, 19 positions

-031

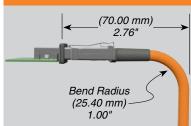
= 17 Pairs, 5 Power, 31 positions

LENGTH

-"XXXX"

Length in millimeters **–1000, –2000, –3000** (Standard lengths)

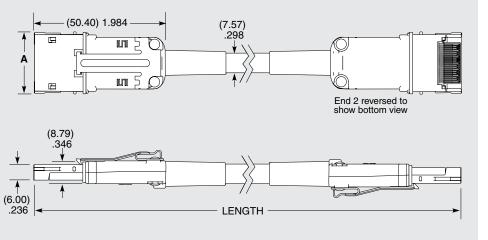
APPLICATION



NO. OF POSITIONS	Α	N	N+1	Nx2
-019	(23.85) .939	19	20	38
-031	(32.95) 1.30	31	32	62

ALSO AVAILABLE (MOQ Required)

· Other lengths Contact Samtec.



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