

(0.80 mm) .0315"

EPLSP-019-2000

EPLSP SERIES

# RUGGED LATCHING HIGH-SPEED SYSTEM

## 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

### 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**Current Rating:**  
1.7 A per pin  
(2 pins powered)**RoHS Compliant:**  
Yes

## PROTOCOLS

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

## ALSO AVAILABLE (MOQ Required)

- Other lengths

**Note:**  
This Series is non-standard,  
non-returnable.

Mates with:  
ERI8

## APPLICATION

ERC-019-01-02

ERI8-019-S-D-RA

EPLSP-019-1000

Low-profile  
latching

High  
cycles

Metal-to-metal  
contact interface

32 AWG  
Low  
Skew  
Pair

**EDGE  
RATE**  
CONTACT

## TYPE

### EPLSP

= Eye Speed® I/O Cable

## NO. OF POSITIONS

-019

= 9 Pairs, 5 Power, 19 positions

-031

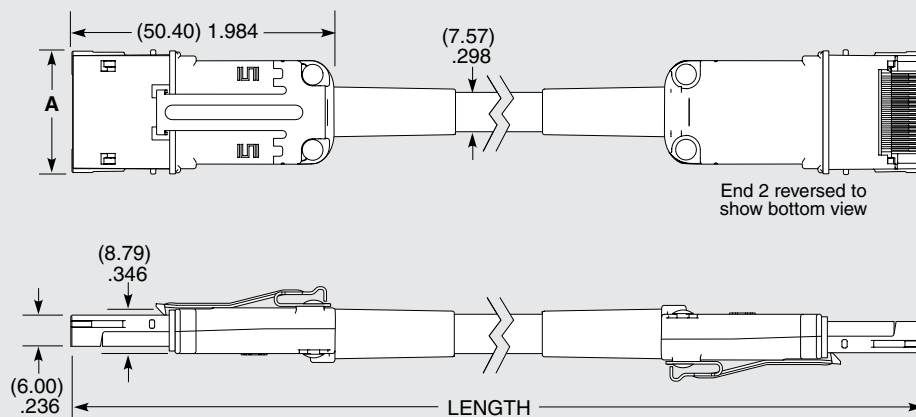
= 17 Pairs, 5 Power, 31 positions

## LENGTH

-“XXXX”

= Length in millimeters  
-1000, -2000, -3000  
(Standard lengths)

| NO. OF POSITIONS | A            |
|------------------|--------------|
| -019             | (23.85) .939 |
| -031             | (32.95) 1.30 |



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

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All parts within this catalog are built to Samtec's specifications.  
Customer specific requirements must be approved by Samtec and identified in a Samtec customer-specific drawing to apply.