



EPLSP SERIES

(0.80 mm) .0315"

# 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

For complete specifications see  
[www.samtec.com?EPLSP](http://www.samtec.com?EPLSP)

### 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

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<sup>®</sup>**  
CONTACT

## TYPE

### EPLSP

= Eye Speed<sup>®</sup> I/O Cable

## NO. OF POSITIONS

### -019

= 9 Pairs, 5 Power, 19 positions

### -031

= 17 Pairs, 5 Power, 31 positions

## LENGTH

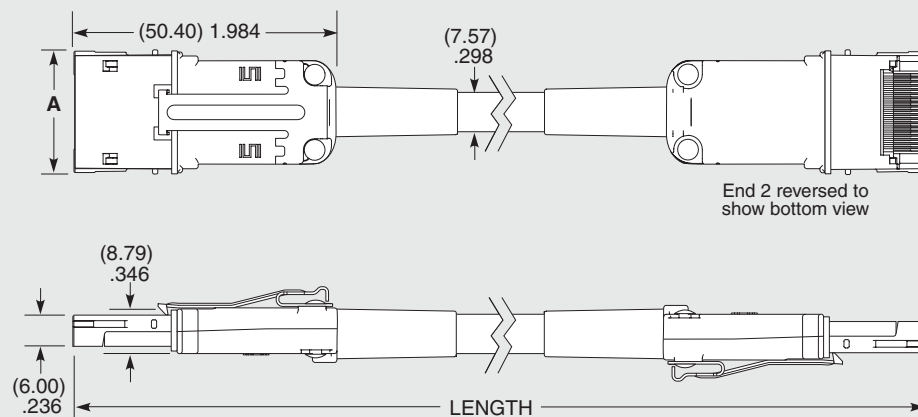
### - "XXXX"

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

## ALSO AVAILABLE (MOQ Required)

- Other lengths

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



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

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

[WWW.SAMTEC.COM](http://WWW.SAMTEC.COM)

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.