

RUGGED LATCHING HIGH-SPEED SYSTEM



(0.80 mm) .0315" PITCH • EPLSP/ERI8/ERC SERIES

EPLSP

Mates:
ERI8

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 below
for additional information)

Operating Temp Range:
-20 °C to +105 °C

Current Rating:
1.7 A per pin
(2 pins powered)

SERIES	NO. OF POSITIONS	LENGTH
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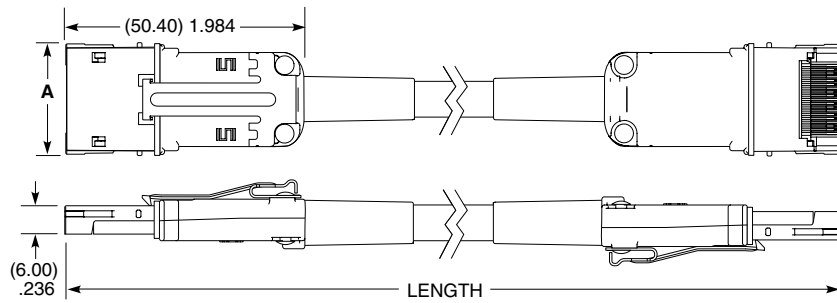
EPLSP
= Eye Speed® I/O Cable

-019
= 9 Pairs, 5 Power, 19 positions

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

-031
= 17 Pairs, 5 Power, 31 positions

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



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

ERI8

Mates:
EPLSP

SPECIFICATIONS

Insulator Material:
Black LCP

Terminal Material:
BeCu

Plating:
Au or Sn over
50 μ" (1.27 μm) Ni

Current Rating:
1.7 A per pin
(2 pins powered)

Voltage Rating:
225 VAC/320 VDC

Operating Temp Range:
-55 °C to +125 °C



ERI8	NO. OF POSITIONS	PLATING OPTION	D	RA	OTHER OPTION
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-019
= 9 Pairs,
5 Power,
19 positions

-S
= 30 μ"
(0.76 μm)
Gold on
contact,
Matte Tin
on tail

-TR
= Tape
& Reel

-031
= 17 Pairs,
5 Power,
31 positions

-FR
= Full Reel
Tape &
Reel
(must
order
max.
quantity
per reel;
contact
Samtec
for
quantity
breaks)

NO. OF POSITIONS	A
-019	(19.08) .751
-031	(28.68) 1.13

SERIES	NO. OF POSITIONS	01	OPTION
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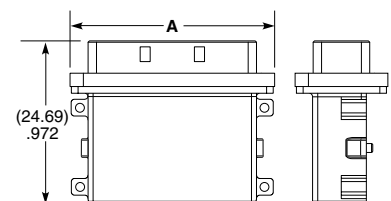
ERC
= Cage

**-019,
-031**
= Number of
Positions

-01
= Without
Gasket

-02
= With
Gasket

NO. OF POSITIONS	A
-019	(30.55) 1.203
-031	(40.15) 1.58



PROCESSING

Lead-Free Solderable:
Yes

SMT Lead Coplanarity:
(0.10 mm) .004" max

Notes:
Active equalization
reference design for
Eye Speed® I/O system
see www.samtec.com?EPLSP

Some lengths, styles and
options are non-standard,
non-returnable.

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[A06XAF06XAF22K254B](#) [A10XAF10XAF22K152B](#) [A13KR13KR26E254B](#) [A12SUR12SUR32W203A](#) [A16KR16KR26E203B](#)
[A12KR12KR26E305A](#) [A12KR12KR26E305B](#) [A12ZR12ZR28H203B](#) [A12ZR12ZR28H203A](#) [A10SR10SR30K254A](#) [A09SR09SR30K305A](#)
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[A15KR15KR26E305A](#) [A15KR15KR26E305B](#) [A11SR11SR30K305A](#) [A11ZR11ZR28H305A](#) [A11ZR11ZR28H305B](#) [A13ZR13ZR28H254A](#)
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[A16XSR16XSR36R254B](#)