

RUGGED LATCHING HIGH-SPEED SYSTEM

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



EPLSP

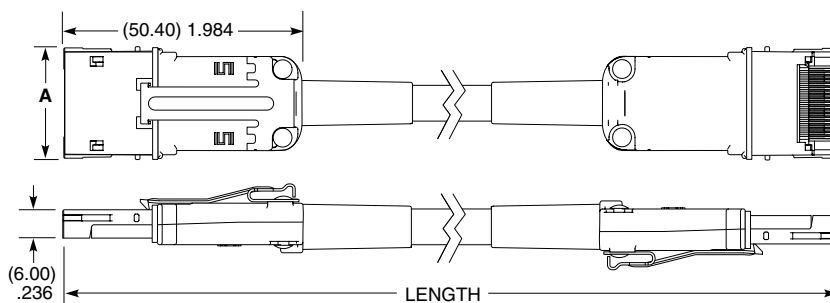
Mates:
ERI8

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
EPLSP = Eye Speed® I/O Cable	-019 = 9 Pairs, 5 Power, 19 positions -031 = 17 Pairs, 5 Power, 31 positions	-"XXXX" = Length in millimeters -1000, -2000, -3000 (Standard lengths)

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 μ m) 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

**EDGE
RATE
CONTACT**

ERI8

NO. OF POSITIONS

PLATING OPTION

D

RA

OTHER OPTION

-019

= 9 Pairs,
5 Power,
19 positions

-031

= 17 Pairs,
5 Power,
31 positions

-S

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

-TR

= Tape
& Reel

-FR

= Full Reel
Tape &
Reel
(must
order
max.
quantity
per reel;
contact
Samtec

NO. OF POSITIONS	A
-019	(19,08) .751
-031	(28.68) 1.13

SERIES

NO. OF POSITIONS

01

OPTION

ERC

= Cage

-019,
-031

= Number of
Positions

-01

= Without
Gasket

-02

= With
Gasket

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

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.

