

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 |
|--------|------------------|--------|
|--------|------------------|--------|

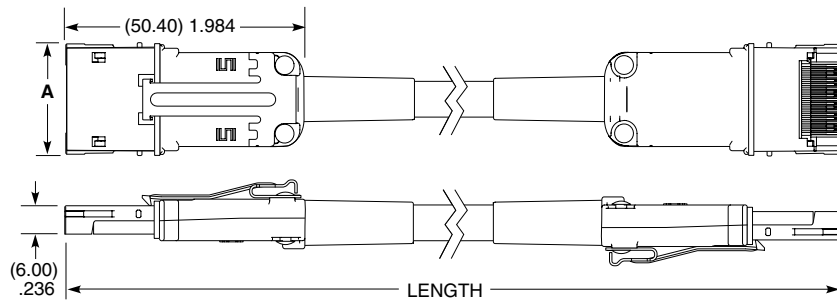
EPLSP
= Eye Speed[®] I/O Cable

-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 μ m)
Gold on
contact,
Matte Tin
on tail

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

-TR
= Tape
& Reel

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

| SERIES | NO. OF POSITIONS | 01 | OPTION |
|--------|------------------|----|--------|
|--------|------------------|----|--------|

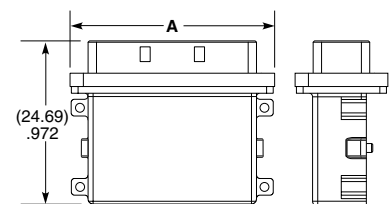
ERC
= Cage

**-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.

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Samtec:

[ERC-031-01-01](#) [ERC-019-01-01](#) [ERC-031-01-02](#) [ERC-019-01-02](#)