

(0.80 mm) .0315"

ERI8, ERC SERIES

# HIGH-SPEED I/O SYSTEM

ERI8 Mates with:  
EPLSP

## SPECIFICATIONS

For complete specifications and recommended PCB layouts see [www.samtec.com?ERI8](http://www.samtec.com?ERI8)

**Insulator Material:**  
Black LCP

**Terminal Material:**  
BeCu

**Plating:**

Au or Sn over

50  $\mu$ " (1.27  $\mu$ 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

**Lead-Free Solderable:**

Yes

**SMT Lead Coplanarity:**

(0.10 mm) .004" max

**RoHS Compliant:**

Yes

### Notes:

Active equalization reference design for Eye Speed® I/O system see [www.samtec.com?EPLSP](http://www.samtec.com?EPLSP)

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

**EDGE  
RATE**  
CONTACT

ERI8

NO. OF  
POSITIONSPLATING  
OPTION

D

RA

OTHER  
OPTION

-019

= 9 Pairs, 5 Power,  
19 positions

-031

= 17 Pairs, 5 Power,  
31 positions

-S

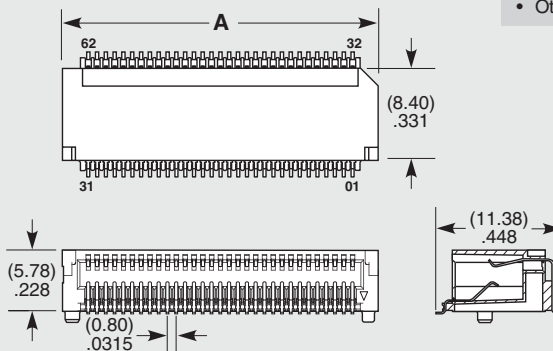
= 30  $\mu$ " (0.76  $\mu$ m) Gold on contact,  
Matte Tin on tail

-TR

= Tape & Reel  
Packaging
**ALSO AVAILABLE**  
(MOQ Required)

- Other platings

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



## SPECIFICATIONS

For complete specifications and recommended PCB layouts see [www.samtec.com?ERC](http://www.samtec.com?ERC)

TYPE

NO. OF  
POSITIONS

01

OPTION

ERC  
= Cage

-019, -031

= Number of Positions

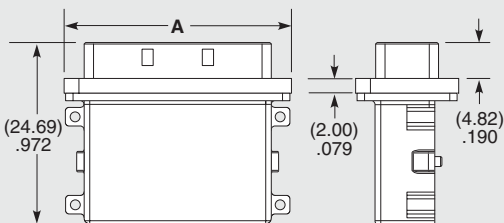
-01

= Without Gasket

-02

= With Gasket

| NO. OF<br>POSITIONS | A                |
|---------------------|------------------|
| -019                | (30.55)<br>1.203 |
| -031                | (40.15)<br>1.58  |



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.