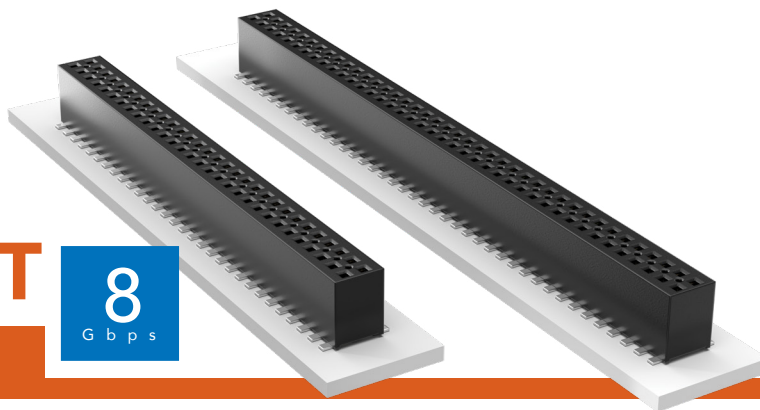


# COST-EFFECTIVE RELIABLE SOCKET

(1.27 mm) .050" PITCH • FLE SERIES



## FLE

**Board Mates:**  
FTSH, FTS, FW

**Cable Mates:**  
FFMD\*, FMTP

**\*Note:**  
Standard FFMD callout will not mate with FLE, SFMC. Must use gold plated callouts. (See drawing on web.)

## SPECIFICATIONS

**Insulator Material:**  
Black Liquid Crystal Polymer

**Contact Material:**  
Phosphor Bronze

**Plating:**  
Au over 50  $\mu$ " (1.27  $\mu$ m) Ni  
**Operating Temp Range:**  
-55 °C to +125 °C

**Current Rating:**  
2.9 A per pin  
(2 pins powered)

**Voltage Rating:**  
281 VAC/397 VDC

**Insertion Depth:**  
(1.83 mm) .072" to (4.37 mm)  
.172" or pass-through

**Max Cycles:**  
100+

## PROCESSING

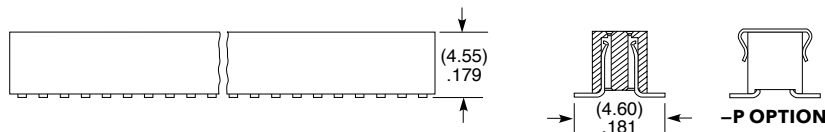
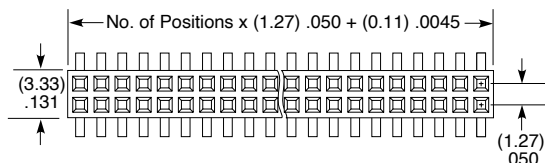
**Lead-Free Solderable:**  
Yes

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

**ALSO AVAILABLE**  
Contact Samtec

Other Plating

| FLE | - 1 | NO. PINS PER ROW | - 01 | PLATING OPTION                         | - DV | OPTION                                                                                                       |
|-----|-----|------------------|------|----------------------------------------|------|--------------------------------------------------------------------------------------------------------------|
|     |     | 02 thru 50       |      | -G<br>= 10 $\mu$ " (0.25 $\mu$ m) Gold |      | -A<br>= Alignment Pin<br>(Metal or plastic at Samtec discretion)<br>(3 positions minimum)                    |
|     |     |                  |      |                                        |      | -K<br>= (4.25 mm) .167" DIA<br>Polyimide film<br>Pick & Place Pad<br>(5 positions minimum)                   |
|     |     |                  |      |                                        |      | -P<br>= Metal Pick & Place Pad<br>(5 positions minimum)                                                      |
|     |     |                  |      |                                        |      | -TR<br>= Tape & Reel                                                                                         |
|     |     |                  |      |                                        |      | -FR<br>= Full Reel Tape & Reel<br>(must order maximum quantity per reel; contact Samtec for quantity breaks) |



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