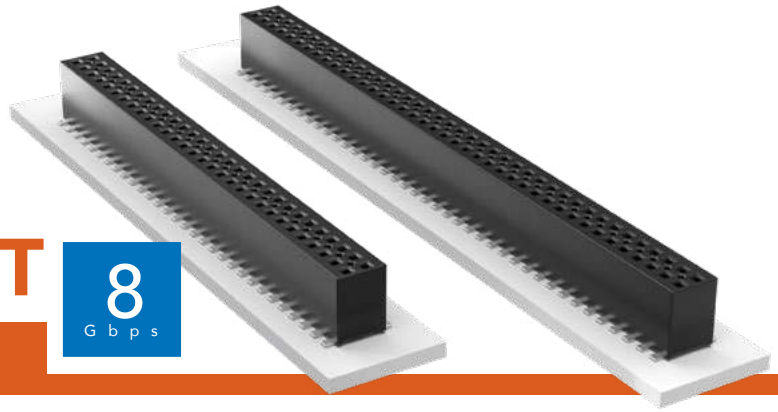


# COST-EFFECTIVE RELIABLE SOCKET

(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.)



02 thru 50

**-G**  
= 10 μ" (0.25 μm) Gold

**-A**  
= Alignment Pin  
(Metal or plastic at Samtec discretion)  
(3 positions minimum)

**-K**  
= (4.25 mm) .167" DIA  
Polyimide film  
Pick & Place Pad  
(5 positions minimum)

**-P**  
= Metal Pick & Place Pad  
(5 positions minimum)

**-TR**  
= Tape & Reel

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

## SPECIFICATIONS

**Insulator Material:**  
Black Liquid Crystal Polymer

**Contact Material:**  
Phosphor Bronze

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

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

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

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

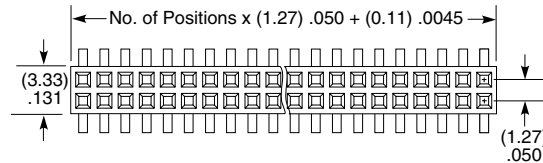
**Normal Force:**  
100 grams (0.98 N)

**Max Cycles:**  
100+

## PROCESSING

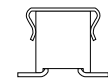
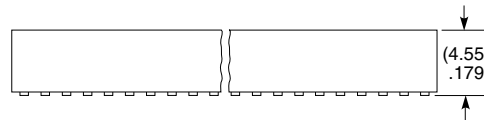
**Lead-Free Solderable:**  
Yes

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



## ALSO AVAILABLE

Other Plating  
(MOQ Required)



**-P OPTION**



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