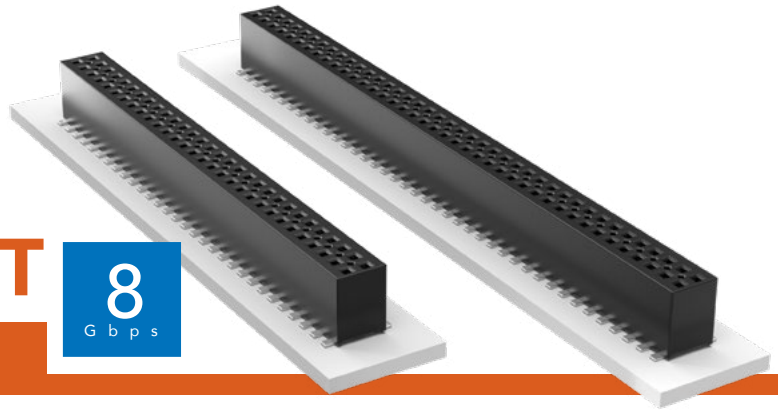


# COST-EFFECTIVE RELIABLE SOCKET

(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.)

| FLE | - | 1 | - | NO. PINS PER ROW | - | 01 | - | PLATING OPTION | - | DV | - | OPTION |
|-----|---|---|---|------------------|---|----|---|----------------|---|----|---|--------|
|-----|---|---|---|------------------|---|----|---|----------------|---|----|---|--------|

02 thru 50

**-G**  
= 10  $\mu$ " (0.25  $\mu$ m) 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  $\mu$ " (1.27  $\mu$ m) 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

### Max Cycles:

100+

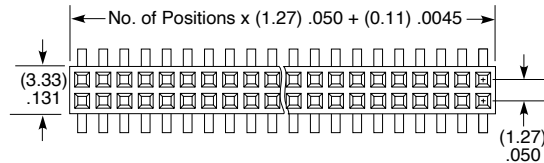
## PROCESSING

### Lead-Free Solderable:

Yes

### SMT Lead Coplanarity:

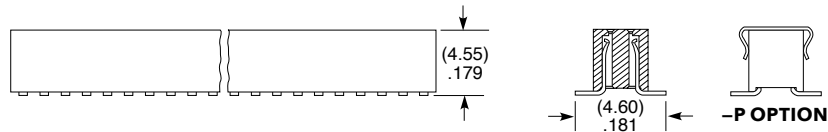
(0.10 mm) .004" max



## ALSO AVAILABLE

Other Plating

(MOQ Required)



### Note:

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