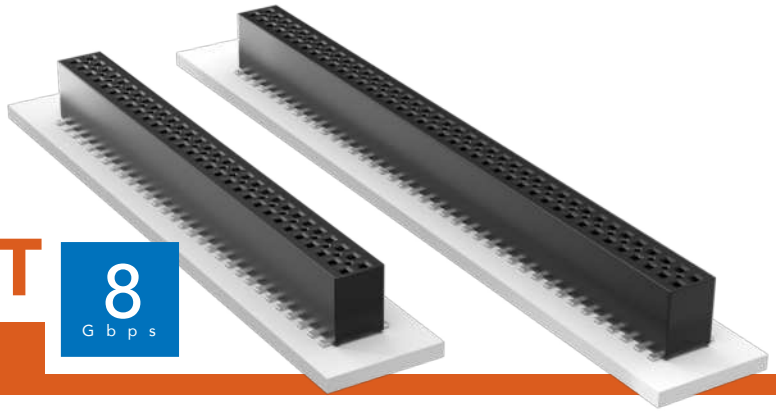


# COST-EFFECTIVE RELIABLE SOCKET

(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 μ" (1.27 μm) 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

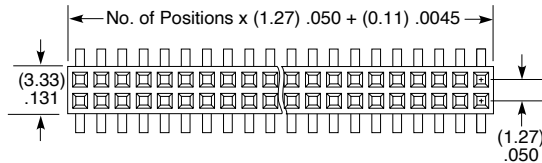
| FLE | - 1 | NO. PINS PER ROW | - 01 | PLATING OPTION               | - DV | OPTION                                                                                       |
|-----|-----|------------------|------|------------------------------|------|----------------------------------------------------------------------------------------------|
|     |     | 02 thru 50       |      | -G<br>= 10 μ" (0.25 μm) Gold |      | -A<br>= Alignment Pin<br>(Metal or plastic at<br>Samtec discretion)<br>(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

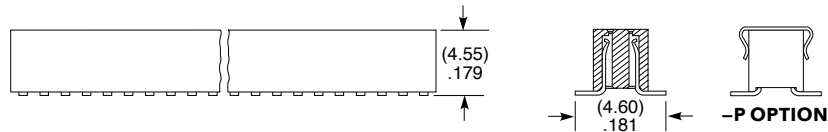
-FR  
= Full Reel Tape & Reel  
(must order maximum  
quantity per reel;  
contact Samtec for  
quantity breaks)



## ALSO AVAILABLE

Contact Samtec

Other Plating



## Note:

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