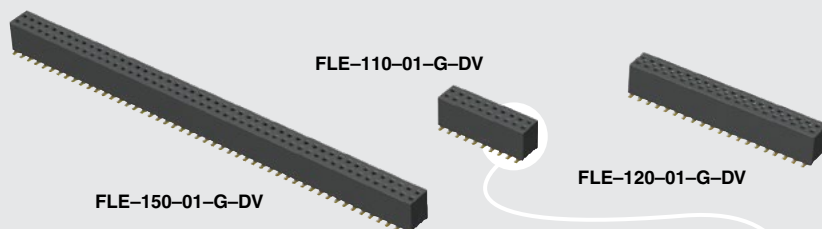


(1.27 mm) .050"



FLE SERIES

# COST-EFFECTIVE RELIABLE SOCKET

## SPECIFICATIONS

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

### 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

### Normal Force:

100 grams (0.98 N)

### Max Cycles:

100+

### RoHS Compliant:

Yes

### Board Mates:

FTSH, FTS, FW

### Cable Mates:

FFMD\*, FMTF

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

**TIGER™**  
BEAM  
CONTACT

Tiger Beam™  
contact

Ideal for  
pass-through  
applications



## HIGH-SPEED CHANNEL PERFORMANCE

Rating based on Samtec reference channel. For full SI performance data visit [Samtec.com](http://Samtec.com) or contact [SI@samtec.com](mailto:SI@samtec.com)

8  
Gbps

Surface  
mount

(1.27 mm) .050"  
micro pitch

Available with optional  
pick & place pads

## PROCESSING

### Lead-Free Solderable:

Yes

### SMT Lead Coplanarity:

(0.10 mm) .004" max

## RECOGNITIONS

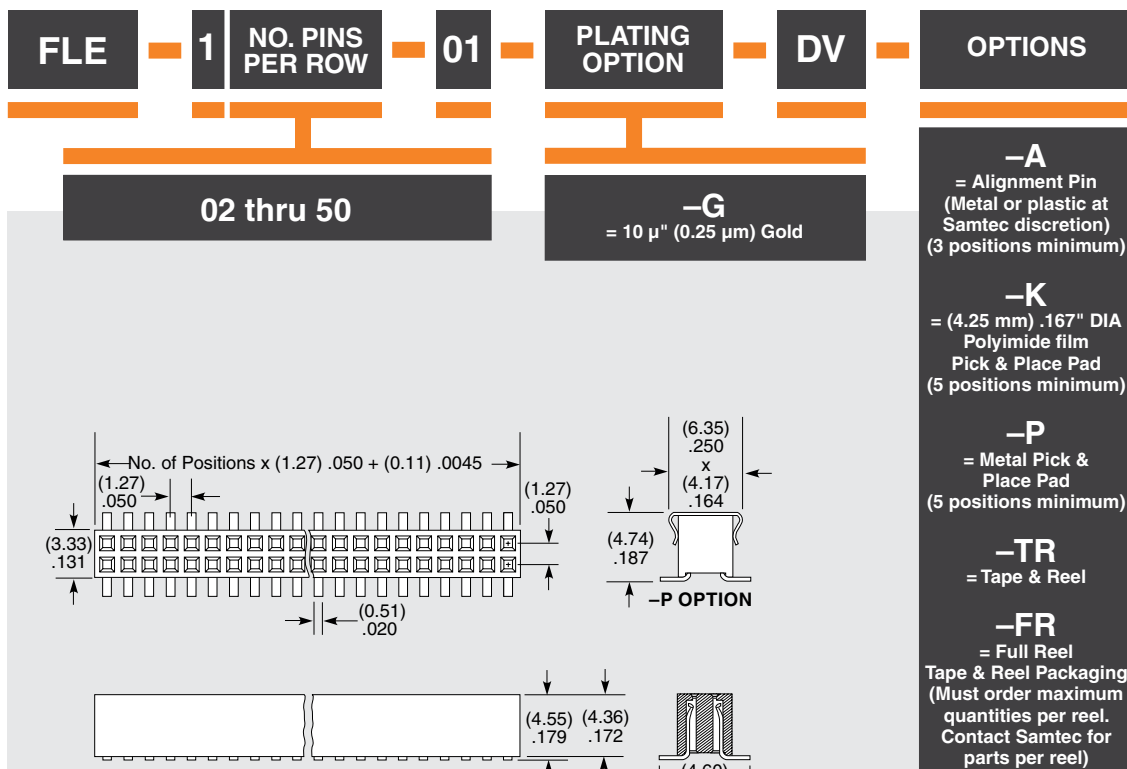
For complete scope of recognitions see [www.samtec.com/quality](http://www.samtec.com/quality)



## ALSO AVAILABLE (MOQ Required)

- Other platings

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



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.