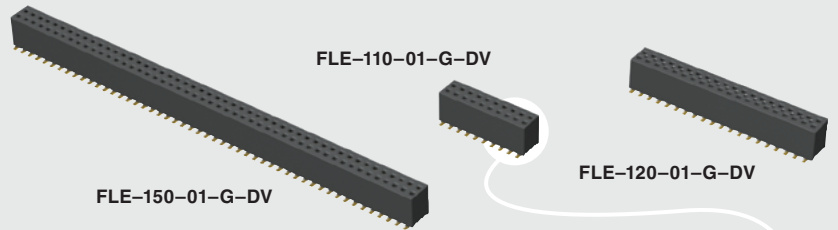




(1.27 mm) .050"



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 μm (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+

**RoHS Compliant:**

Yes

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

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



Tiger Beam™ contact

Ideal for pass-through applications

Surface mount

Available with optional pick & place pads

(1.27 mm) .050" micro pitch

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

## PROCESSING

**Lead-Free Solderable:**

Yes

**SMT Lead Coplanarity:**

(0.10 mm) .004" max

## RECOGNITIONS

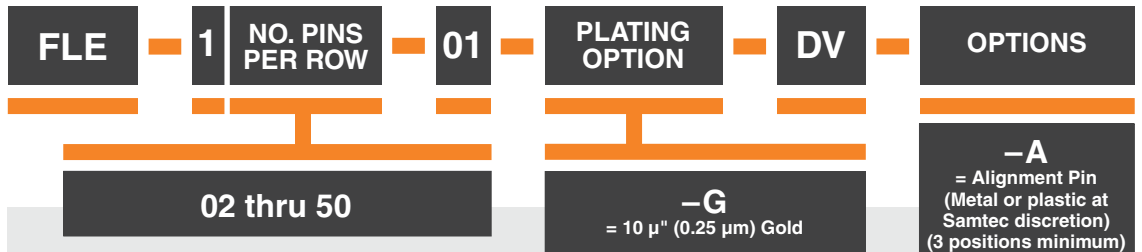
For complete scope of recognitions see [www.samtec.com/quality](http://www.samtec.com/quality)



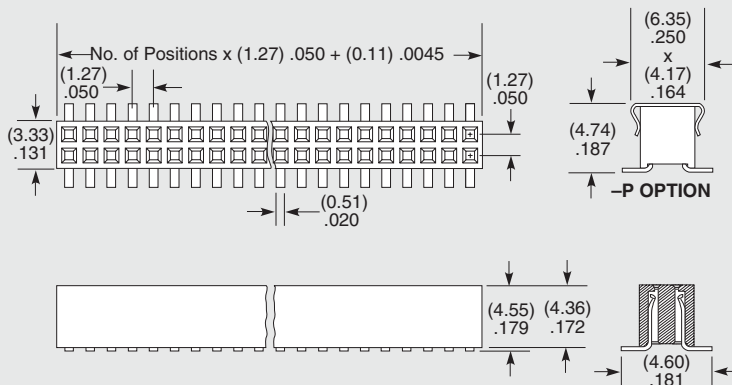
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## ALSO AVAILABLE (MOQ Required)

- Other platings



- 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



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.