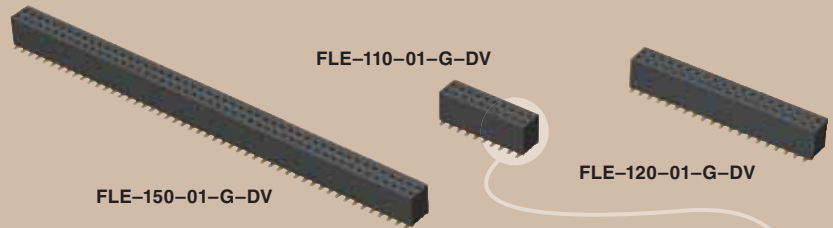




(1,27 mm) .050"

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 50µ" (1,27 µm) Ni

**Current Rating:**

2 A per pin (6 adjacent pins powered)

**Operating Temp Range:**

-55°C to +125°C

**Contact Resistance:**

15mΩ

**Insertion Depth:**

(1,83 mm) .072" to (4,37 mm) .172" or pass-through

**Insertion Force:**

(Single contact only) 1.5 oz (0,42 N)

**Normal Force:**

100 grams (0,98 N)

**Withdrawal Force:**

(Single contact only) 1.5 oz (0,42 N)

**Max Cycles:**

100+

**RoHS Compliant:**

Yes

**Processing:**

Lead-Free Solderable:

Yes

**SMT Lead Coplanarity:**

(0,10 mm) .004" max

**Mates with:**  
FTSH, FTS, FW, FFMD, FMTP



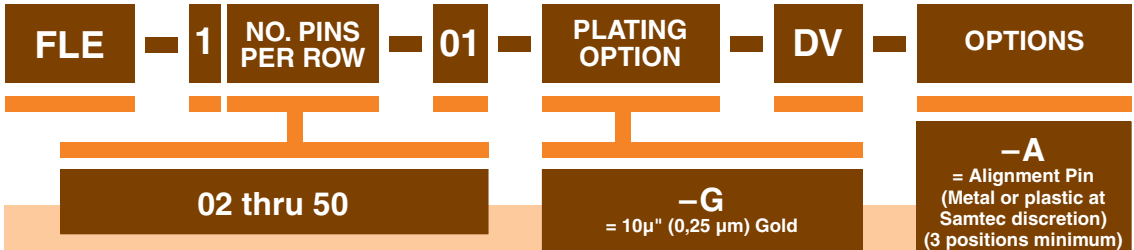
Tiger Beam™ contact

Ideal for pass-through applications

Surface Mount

(1,27 mm) .050" micro pitch

Available with optional Pick & Place pads



- 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

## RECOGNITIONS

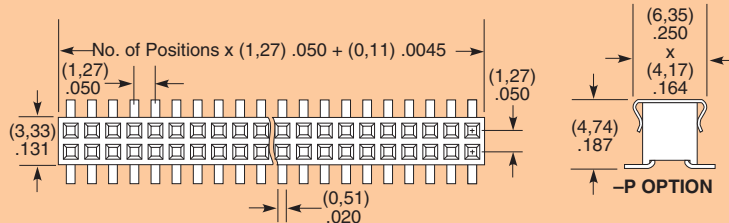
For complete scope of recognitions see [www.samtec.com/quality](http://www.samtec.com/quality)



## ALSO AVAILABLE (MOQ Required)

- Other platings
- Contact Samtec.

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



**TAPE & REEL AVAILABILITY**

No tooling charges.  
Minimum order is the lesser of a full reel quantity or 125 pieces. Order any quantity above minimum. In-house design, manufacture. Quick turn-around.  
Call Samtec for specifications and ordering information.

Due to technical progress, all designs, specifications and components are subject to change without notice.

[WWW.SAMTEC.COM](http://WWW.SAMTEC.COM)