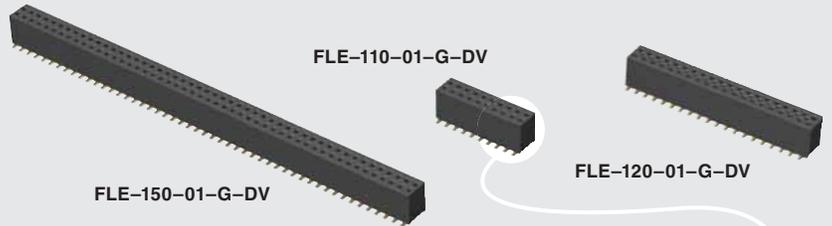




(1.27 mm) .050"



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 µ" (1.27 µm) Ni
- Current Rating:**  
2 A per pin  
(6 adjacent pins powered)
- Operating Temp Range:**  
-55 °C to +125 °C
- Contact Resistance:**  
15 mΩ
- 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



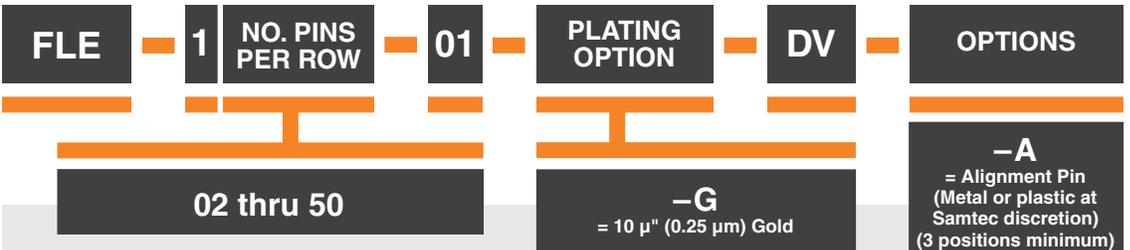
Tiger Beam™ contact

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)

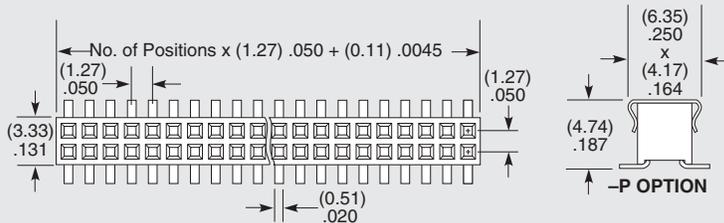


## ALSO AVAILABLE (MOQ Required)

- Other platings
- Contact Samtec.

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

**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.