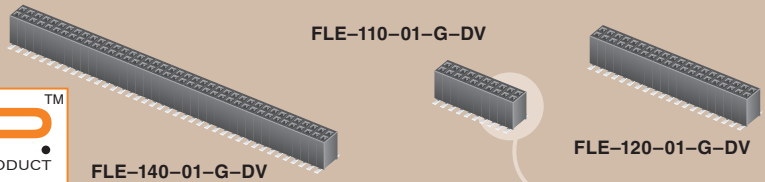




(1,27mm) .050"

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" (1,27µm) Ni

**Current Rating:**

1.75A @ 80°C ambient

**Operating Temp Range:**

-55°C to +125°C

**Contact Resistance:**

15mΩ max

**Insertion Depth:**

(1,83mm) .072" to

(4,37mm) .172" or

pass-through

**Insertion Force:**

(Single contact only)

1.5oz (0,42N)

**Normal Force:**

100 grams (0,98N)

**Withdrawal Force:**

(Single contact only)

1.5oz (0,42N)

**Max Cycles:**

100+

**RoHS Compliant:**

Yes

**Processing:**

Lead-Free Solderable:

Yes

**SMT Lead Coplanarity:**

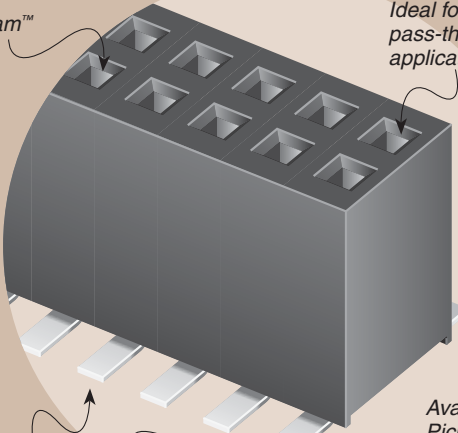
(0,10mm) .004" max

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



Tiger Beam™ contact

Ideal for pass-through applications



Surface Mount

Available with optional Pick & Place pads

(1,27mm) .050" micro pitch



02 thru 50

-G = 10µ" (0,25µm) Gold

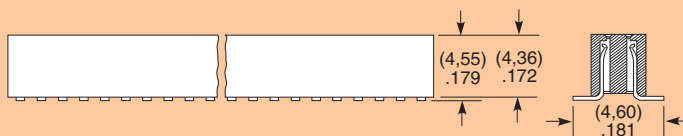
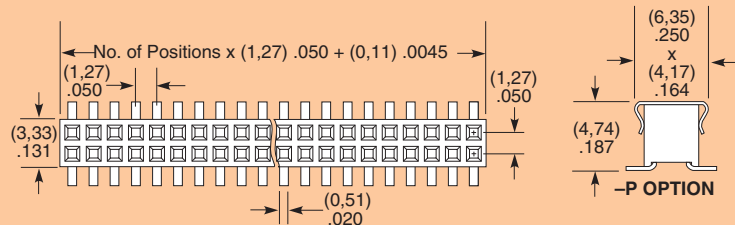
Note: Other gold plating options available. Contact Samtec.

- A = Alignment Pin (Metal or plastic at Samtec discretion) (3 positions minimum)
- K = (4,25mm) .167" DIA Polyimide film Pick & Place Pad (5 positions minimum)
- P = Metal Pick & Place Pad (5 positions minimum)
- TR = Tape & Reel

**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.



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)