

.050" (1,27mm) PITCH SOCKETS FLE SERIES

SPECIFICATIONS

For complete specifications and recommended PCB layouts see 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:

Max Processing Temp:

230°C for 60 seconds, or 260°C for 20 seconds 3x

Lead-Free Solderable:

Yes

SMT Lead Coplanarity:

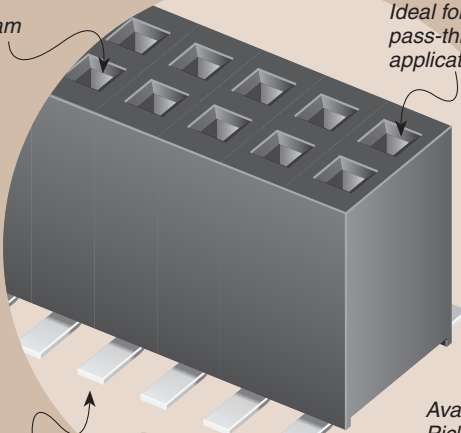
(0,10mm) .004" max

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



Tiger Beam contact

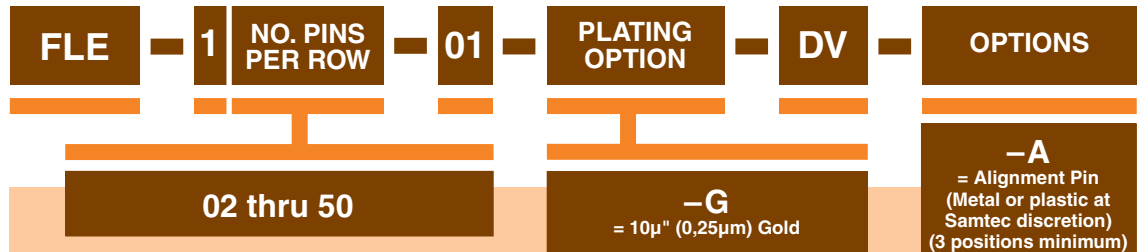
Ideal for pass-through applications



Surface Mount

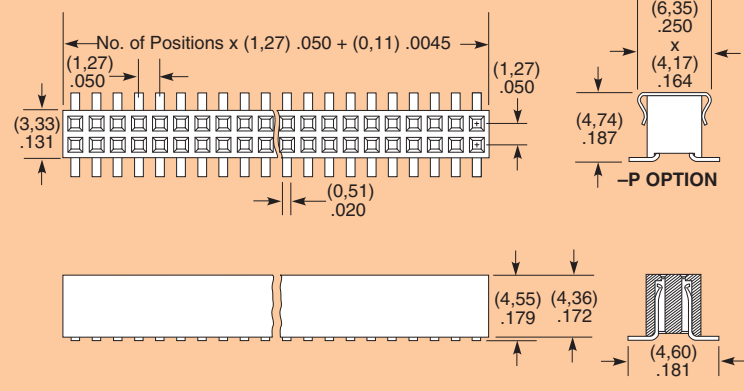
Available with optional Pick & Place pads

(1,27mm) .050" micro pitch



- 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.

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