

.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 50 μ " (1,27 μ m) Ni

Current Rating:

1.75A @ 80°C ambient

Operating Temp Range:

-55°C to +125°C

Contact Resistance:

15m Ω 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

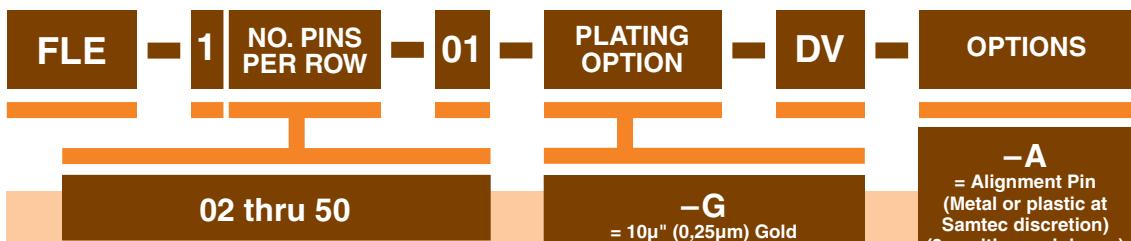
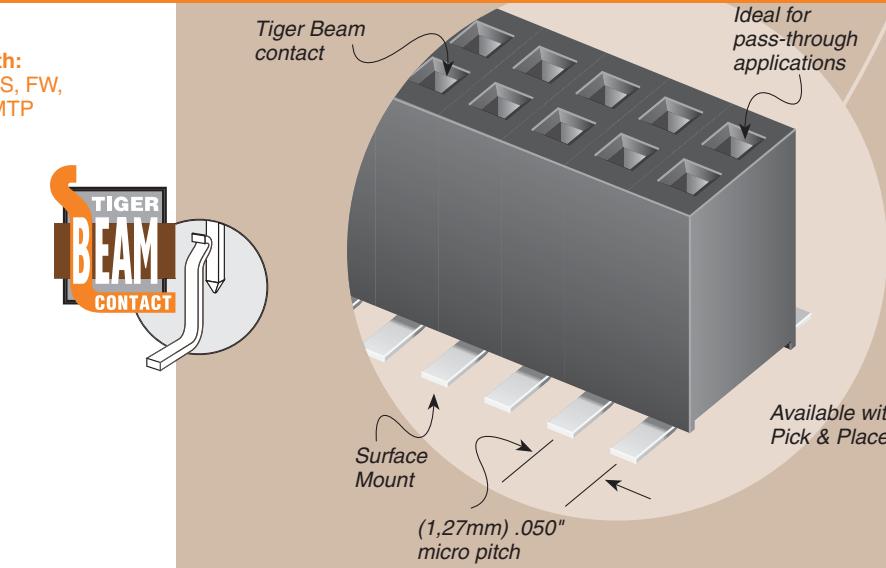
SMT Lead Coplanarity: (0.10mm) .004" max

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



Tiger Beam contact
Ideal for pass-through applications

Available with optional
Pick & Place pads

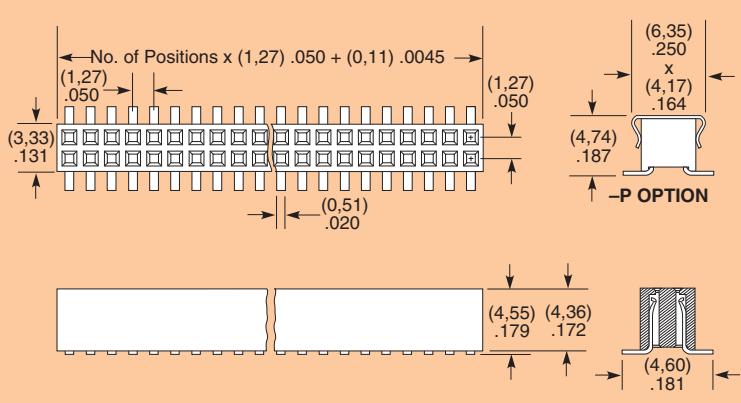


-A
= Alignment Pin (Metal or plastic at Samtec discretion) (3 positions minimum)

-K
= (4.25mm) .167" DIA Polyimide film Pick & Place Pad (5 positions minimum)

-P
= Metal Pick & Place Pad (5 positions minimum)

-TR
= Tape & Reel



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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