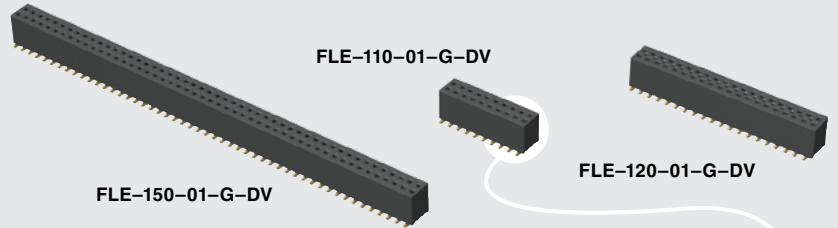




(1.27 mm) .050"



FLE SERIES

COST-EFFECTIVE RELIABLE SOCKET

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 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

Normal Force:

100 grams (0.98 N)

Max Cycles:

100+

RoHS Compliant:

Yes

Board Mates:
FTSH, FTS, FW

Cable Mates:
FFMD*, FMTF



Tiger Beam™ contact

Ideal for pass-through applications

Surface mount

Available with optional pick & place pads

(1.27 mm) .050" micro pitch

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

PROCESSING

Lead-Free Solderable:
Yes

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

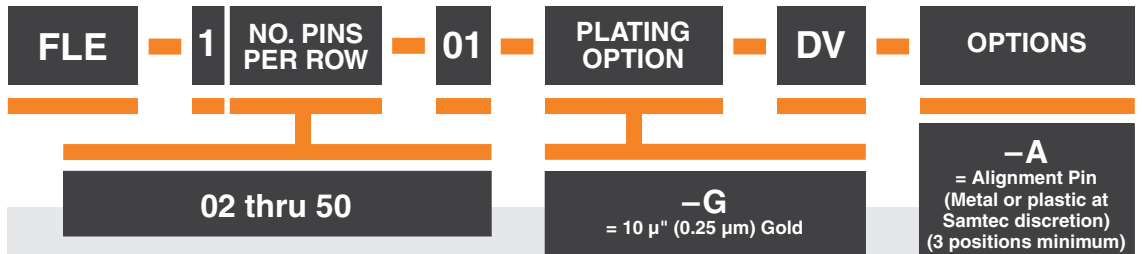
RECOGNITIONS

For complete scope of recognitions see www.samtec.com/quality

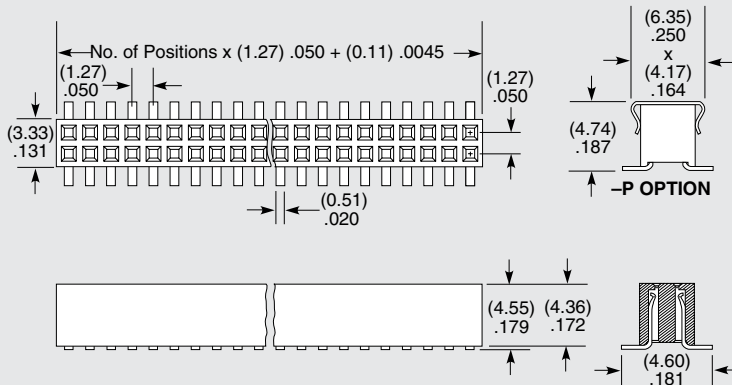


ALSO AVAILABLE (MOQ Required)

- Other platings
- Contact Samtec.



- 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



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