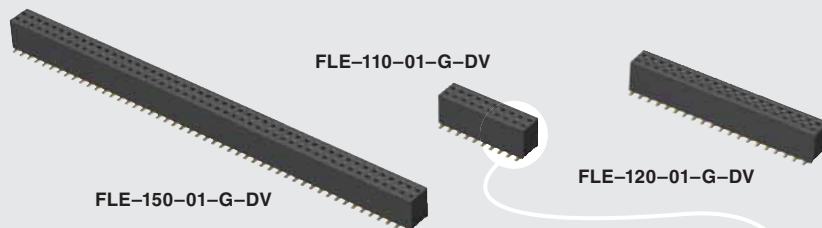




(1.27 mm) .050"



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

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

FLE

1

NO. PINS
PER ROW

01

PLATING
OPTION

DV

OPTIONS

02 thru 50

-G

= 10 µ" (0.25 µm) Gold

-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

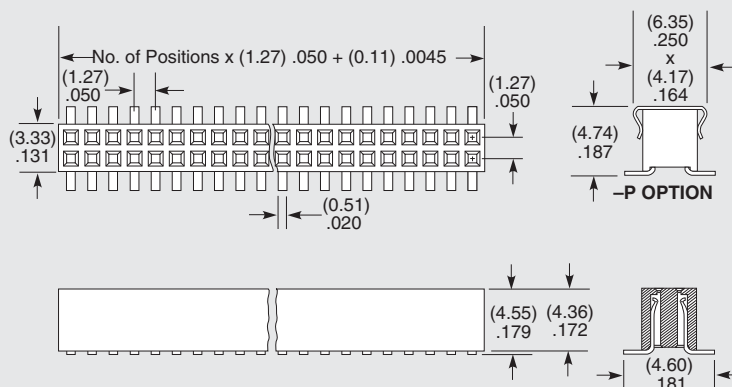


ALSO AVAILABLE (MOQ Required)

- 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.