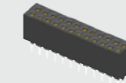
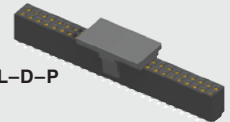
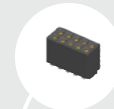


SFMC-117-T1-L-D

SFMC-125-T2-L-D-P



SFMC-112-03-L-D



SFMC-105-T2-L-D

SFMC SERIES

(1.27 mm) .050"

FLEXIBLE PIN COUNT TIGER EYE™ SOCKETS

SPECIFICATIONS

For complete specifications and recommended PCB layouts see www.samtec.com?SFMC

Insulator Material: Black Liquid Crystal Polymer
Contact Material: Tiger Eye™ = BeCu
 Tiger Eye™ LITE = Phosphor Bronze
Plating: Au or Sn over 50 μ" (1.27 μm) Ni
Current Rating: 2.9 A per pin (2 pins powered)
Voltage Rating: 220 VAC/310 VDC
Operating Temp Range: -55 °C to +125 °C
Insertion Depth: (3.05 mm) .120" to (4.06 mm) .160"
Normal Force: Standard= 132 g (1.29 N) avg. LIF= 90 g (0.88 N) avg.
Max Cycles: 10,000 with 30 μ" (0.76 μm) Au
RoHS Compliant: Yes

Board Mates: TFM

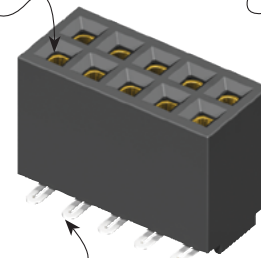
Cable Mates: FMTP, FFMD*

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



High-reliability Tiger Eye™ contacts

Any number of positions from 2 through 50



Slotted SMT tails

Available with optional pick & place pads

PROCESSING

Lead-Free Solderable: Yes
SMT Lead Coplanarity: (0.10 mm) .004" max (02-26) (0.15 mm) .006" max (27-50)*
 *(.004" stencil solution may be available; contact IPG@samtec.com)

RECOGNITIONS

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



ALSO AVAILABLE (MOQ Required)

- Other platings

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



02 thru 50

| LEAD STYLE | A | B |
|---------------|-------------|-------------|
| -01, -L1, -T1 | (3.05) .120 | (0.51) .020 |
| -03, -L3 | (1.91) .075 | (0.41) .016 |

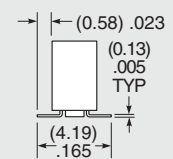
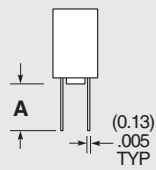
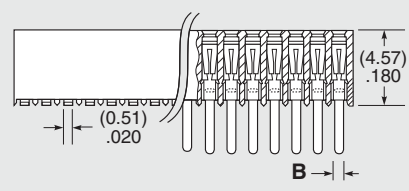
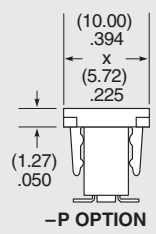
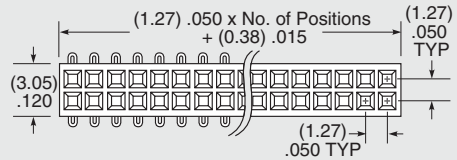
- 01, -03 = Through-hole
- L1, -L3 = Low Insertion Force Through-hole
- 02 = Surface Mount
- L2 = Low Insertion Force Surface Mount
- T1 = Through-hole Tiger Eye™ LITE
- T2 = Surface Mount Tiger Eye™ LITE

-L = 10 μ" (0.25 μm) Gold on contact, Matte Tin on tail

-K = (4.00 mm) .157 DIA Polyimide film Pick & Place Pad (4 positions minimum)

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

-TR = Tape & Reel



Due to technical progress, all designs, specifications and components are subject to change without notice.

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