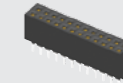
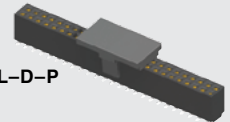
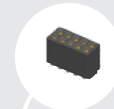


SFMC-117-T1-L-D

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

Operating Temp Range:

-55 °C to +125 °C

Contact Resistance:

15 mΩ

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:

FMTF, FFMD*



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)

RECOGNITIONS

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



FILE NO. E111594 FILE NO. 990371_0_000

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 sizes, styles and options are non-standard, non-returnable.

SFMC	1	NO. PINS PER ROW	LEAD STYLE	PLATING OPTION	D	OPTION
02 thru 50			<p>-01, -03 = Through-hole</p> <p>-L1, -L3 = Low Insertion Force Through-hole</p> <p>-02 = Surface Mount</p> <p>-L2 = Low Insertion Force Surface Mount</p> <p>-T1 = Through-hole Tiger Eye™ LITE</p> <p>-T2 = Surface Mount Tiger Eye™ LITE</p>	<p>-L = 10 μ" (0.25 μm) Gold on contact, Matte Tin on tail</p>	<p>-K = (4.00 mm) .157 DIA Polyimide film Pick & Place Pad (4 positions minimum)</p> <p>-P = Plastic Pick & Place Pad (5 positions minimum)</p> <p>-TR = Tape & Reel</p>	

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

(1.27) .050 x No. of Positions + (0.38) .015

(3.05) .120

(1.27) .050 TYP

(1.27) .050 TYP

(0.51) .020

(4.57) .180

A

(0.13) .005 TYP

(10.00) .394 x (5.72) .225

(1.27) .050

-P OPTION

(0.58) .023

(0.13) .005 TYP

(4.19) .165