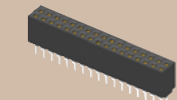
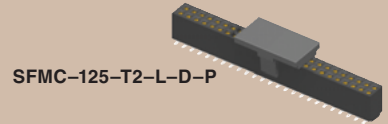




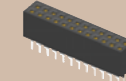
(1,27 mm) .050"



SFMC-117-T1-L-D



SFMC-125-T2-L-D-P



SFMC-112-03-L-D



SFMC-105-T2-L-D

SFMC SERIES

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

50µ" (1,27 µm) Ni

Current Rating (SFM/FTSH):

2.9 A per pin

(1 pin powered per row)

Operating Temp Range:

-55°C to +125°C

Contact Resistance:

15 mΩ

Insertion Depth:

(3,05 mm) .120"

(4,06 mm) .160"

Insertion Force:

(Single contact only)

Standard= 2.5 oz (0,69 N) avg.

LITE= 2.0 oz (0,56 N) avg.

LIF= 1.5 oz (0,42 N) avg.

Normal Force:

Standard= 132g (1,29 N) avg.

LIF= 90g (0,88 N) avg.

Withdrawal Force:

(Single contact only)

Standard= 2.0 oz (0,56 N) avg.

LITE= 1.5 oz (0,42 N) avg.

LIF= 1.5 oz (0,42 N) avg.

Max Cycles:

10,000 with 30µ" (0,76 µm) Au

RoHS Compliant:

Yes

Processing:

Lead-Free Solderable:

Yes

SMT Lead Coplanarity:

(0,10 mm) .004" max (02-26)

(0,15 mm) .006" max (27-50)

Mates with:
TFM, FMTP, FFMD



High reliability
Tiger Eye™
contacts

Any number of
positions from
2 through 50

Slotted SMT tails

Available with optional
Pick & Place Pads

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 = 10µ" (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

RECOGNITIONS

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



ALSO AVAILABLE (MOQ Required)

- Other platings
- Contact Samtec.

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

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

WWW.SAMTEC.COM