

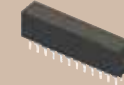


(1,27 mm) .050"



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](http://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" to  
(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)

## RECOGNITIONS

For complete scope of recognitions see [www.samtec.com/quality](http://www.samtec.com/quality)



## ALSO AVAILABLE (MOQ Required)

- Other platings
- Contact Samtec.

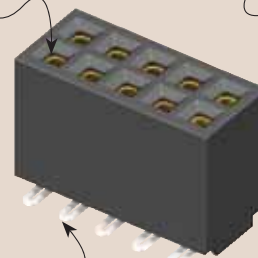
**Note:** Some sizes, styles and options are non-standard, non-returnable.

**Mates with:**  
TFM, FTSH(LIF), FW(LIF), FMTP, FFMD



High reliability Tiger Eye™ contacts

Any number of positions from 2 through 50



Slotted SMT tails

Available with optional Pick & Place Pads

<b>SFMC</b>	<b>1</b>	<b>NO. PINS PER ROW</b>	<b>LEAD STYLE</b>	<b>PLATING OPTION</b>	<b>D</b>	<b>OPTION</b>									
		<b>02 thru 50</b>	<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 &amp; Place Pad (4 positions minimum)</p> <p>-P = Plastic Pick &amp; Place Pad (5 positions minimum)</p> <p>-TR = Tape &amp; Reel</p>									
			<table border="1"> <thead> <tr> <th>LEAD STYLE</th> <th>A</th> <th>B</th> </tr> </thead> <tbody> <tr> <td>-01, -L1, -T1</td> <td>(3,05) .120</td> <td>(0,51) .020</td> </tr> <tr> <td>-03, -L3</td> <td>(1,91) .075</td> <td>(0,41) .016</td> </tr> </tbody> </table>	LEAD STYLE	A	B	-01, -L1, -T1	(3,05) .120	(0,51) .020	-03, -L3	(1,91) .075	(0,41) .016			
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-01, -L1, -T1	(3,05) .120	(0,51) .020													
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Due to technical progress, all designs, specifications and components are subject to change without notice.

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