



**THE DATASHEET OF  
SFMC-109-01-FM-D**



# FLEXIBLE PIN COUNT TIGER EYE™ SOCKET

**(1.27 mm) .050" PITCH • SFMC SERIES**

MAX  
**2.9**  
A m p s

**8**  
G b p s



**SFMC**  
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.)

<b>SFMC</b>	<b>1</b>	<b>NO. PINS PER ROW</b>	<b>LEAD STYLE</b>	<b>PLATING OPTION</b>	<b>D</b>	<b>OPTIONS</b>
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02 thru 50

**-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 min.)

**-P**  
= Plastic Pick & Place Pad (5 positions min.)

**-TR**  
= Tape & Reel

**-FR**  
= Full Reel Tape & Reel (must order max. quantity per reel; contact Samtec for quantity breaks)

**SPECIFICATIONS**

**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"  
**Max Cycles:**  
10,000 with 30 μ" (0.76 μm) Au

**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)

**ALSO AVAILABLE**

Other plating (MOQ Required)



**-P OPTION**



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

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

View complete specifications at: [samtec.com/SFMC](http://samtec.com/SFMC)

## Looking for pricing, stock, or lifecycle information?

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