



**THE DATASHEET OF  
SFMC-105-03-S-D-K-TR**



# 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.)

## 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

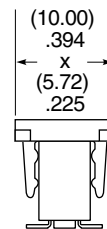
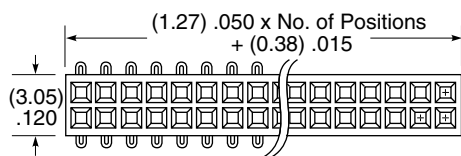
**SMT Lead Coplanarity:**  
(0.10 mm) .004" max (02-26)  
(0.15 mm) .006" max (27-50)\*  
\*(.004" stencil solution may be available; contact ipg@samtec.com)

## ALSO AVAILABLE

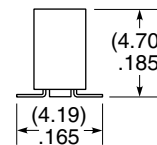
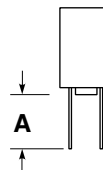
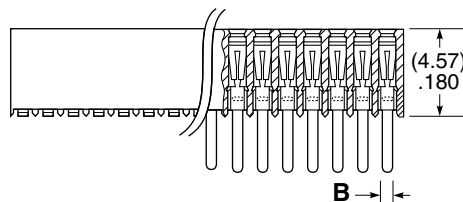
Other plating (MOQ Required)

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

SFMC	1	NO. PINS PER ROW	LEAD STYLE	PLATING OPTION	D	OPTIONS
		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)



-P OPTION





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

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

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

Click below to explore more details on WIN SOURCE:

-  [View SFMC-105-03-S-D-K-TR on WIN SOURCE](#)
-  [Samtec Inc. Information](#)

## Optimize Your Supply Chain with WIN SOURCE Solutions

-  Global Sourcing Solution
-  Obsolete Management
-  Cost Control Management
-  Shortage Management
-  Alternative Solution
-  Excess Inventory Management