



**THE DATASHEET OF
SFMC-109-02-S-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.)

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)

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:

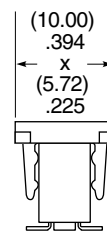
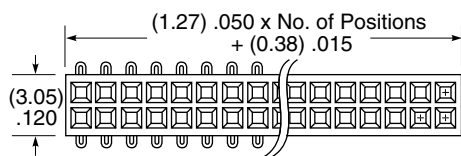
Yes

SMT Lead Coplanarity:

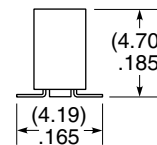
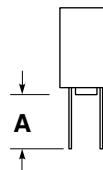
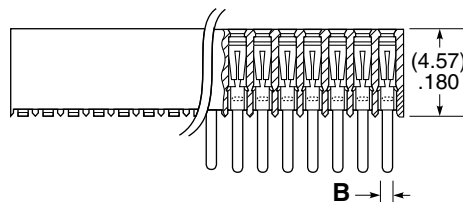
(0.10 mm) .004" max (02-26)

(0.15 mm) .006" max (27-50)*

*(.004" stencil solution may be available; contact ipg@samtec.com)



-P OPTION



ALSO AVAILABLE

Other plating (MOQ Required)



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

Looking for pricing, stock, or lifecycle information?

Click below to explore more details on WIN SOURCE:

-  [View SFMC-109-02-S-D 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