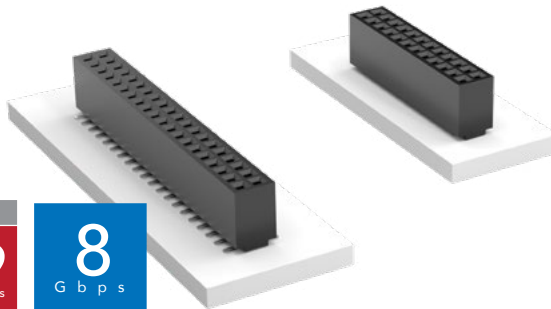


FLEXIBLE PIN COUNT TIGER EYE™ SOCKET

(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
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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

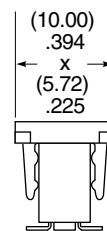
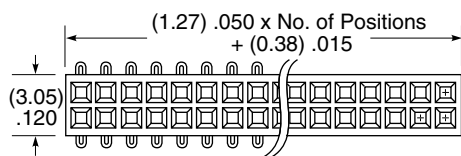
Insertion Depth:
(3.05 mm) .120" to (4.06 mm) .160"

Normal Force:

Standard = 132 g (1.29 N) avg.
LIF = 90 g (0.88 N) avg.

Max Cycles:

10,000 with 30 μ" (0.76 μm) Au



-P OPTION

PROCESSING

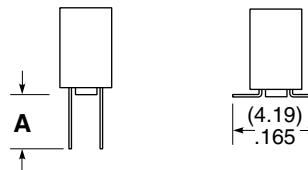
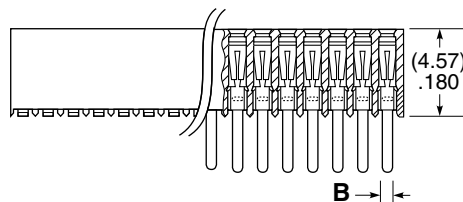
Lead-Free Solderable:

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)

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

Mouser Electronics

Authorized Distributor

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[SFMC-115-L1-L-D-K](#)