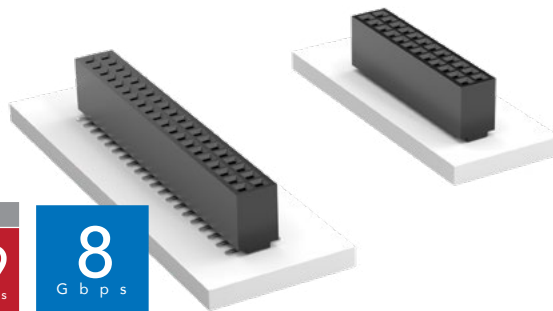


FLEXIBLE PIN COUNT TIGER EYE™ SOCKET

(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"

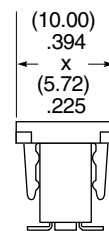
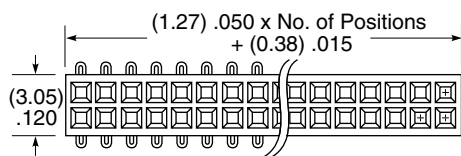
Normal Force:

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:

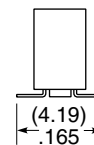
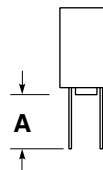
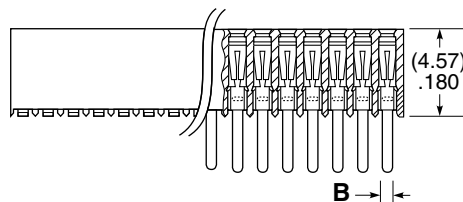
(0.10 mm) .004" max (02-26)

(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

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Samtec:](#)

[SFMC-114-L3-L-D](#)