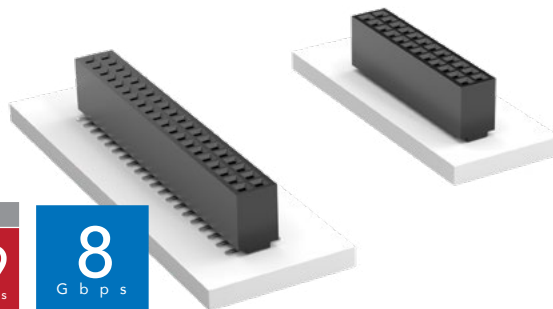


# FLEXIBLE PIN COUNT TIGER EYE™ SOCKET

(1.27 mm) .050" PITCH • SFMC SERIES



## 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)

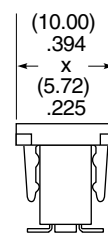
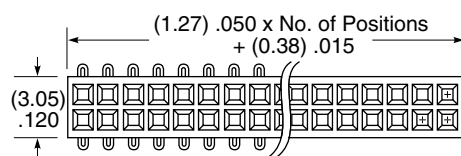
**Voltage Rating:**  
220 VAC/310 VDC

**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



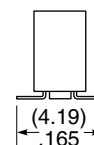
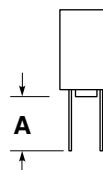
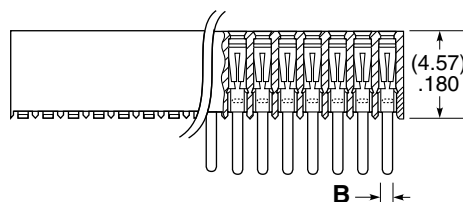
-P OPTION

## 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](http://samtec.com?SFMC)

# Mouser Electronics

Authorized Distributor

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Samtec:

[SFMC-120-L1-L-D-TR](#)