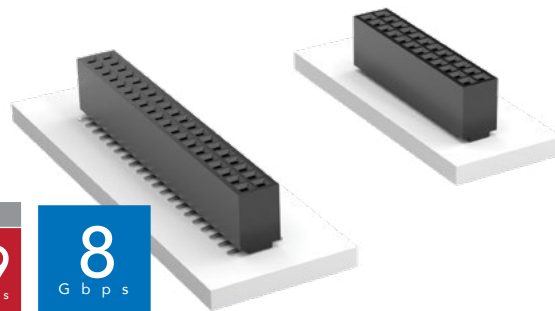


# FLEXIBLE PIN COUNT TIGER EYE™ SOCKET

(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

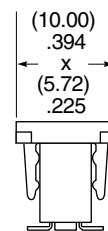
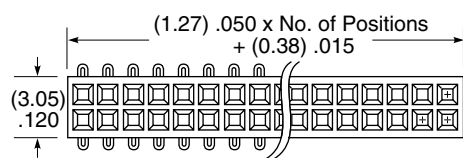
**Lead-Free Solderable:**  
Yes

**SMT Lead Coplanarity:**

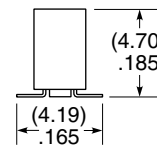
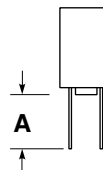
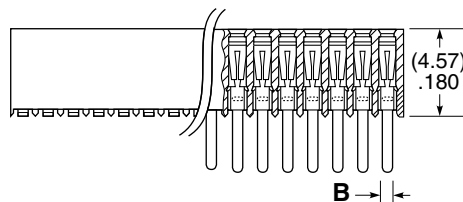
(0.10 mm) .004" max (02-26)

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

# Mouser Electronics

Authorized Distributor

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

[Samtec:](#)

[SFMC-120-02-S-D-K-FR](#) [SFMC-125-03-L-D-P-FR](#) [SFMC-106-03-L-D-K-FR](#) [SFMC-109-03-S-D-P-FR](#) [SFMC-123-01-S-D-K-FR](#) [SFMC-120-03-F-D-TR](#) [SFMC-103-L2-L-D-TR](#) [SFMC-127-02-L-D-K-FR](#) [SFMC-120-T2-S-D-K-FR](#) [SFMC-122-T2-S-D-K](#) [SFMC-124-T2-L-D-TR](#) [SFMC-120-T2-F-D-K](#) [SFMC-113-L2-L-D-FR](#) [SFMC-106-01-L-D-FR](#) [SFMC-119-03-L-D-K-TR](#) [SFMC-140-02-F-D-P](#) [SFMC-105-03-F-D-K-FR](#) [SFMC-133-02-F-D-P](#) [SFMC-150-01-L-D-K-FR](#) [SFMC-107-01-L-D-FR](#) [SFMC-105-03-L-D-K-FR](#) [SFMC-102-T2-L-D-FR](#) [SFMC-128-01-L-D-K-TR](#) [SFMC-130-01-L-D-P-TR](#) [SFMC-106-02-L-D-K-FR](#) [SFMC-126-T1-S-D-K](#) [SFMC-102-01-L-D-FR](#) [SFMC-105-L3-F-D-K-FR](#) [SFMC-103-03-L-D-FR](#) [SFMC-108-02-L-D-FR](#) [SFMC-106-01-L-D-K-FR](#) [SFMC-122-T2-S-D-P](#) [SFMC-128-01-L-D-K-FR](#) [SFMC-111-01-L-D-P](#) [SFMC-103-L2-L-D-FR](#) [SFMC-105-L2-L-D-P-FR](#) [SFMC-117-02-L-D-P-FR](#) [SFMC-110-T2-S-D-K-FR](#) [SFMC-130-01-L-D-K-FR](#) [SFMC-105-L2-L-D-P-TR](#) [SFMC-130-01-L-D-P-FR](#) [SFMC-109-L2-L-D-P-FR](#) [SFMC-124-02-S-D-P-FR](#) [SFMC-106-T2-S-D-K-FR](#) [SFMC-142-02-L-D-P](#) [SFMC-115-T2-S-D-P-FR](#) [SFMC-111-02-L-D-P-FR](#) [SFMC-134-02-S-D-P-FR](#) [SFMC-108-L2-L-D-P-FR](#) [SFMC-130-01-L-D-K-TR](#) [SFMC-106-01-S-D-K-FR](#) [SFMC-124-01-L-D-K-TR](#) [SFMC-118-T2-L-D-FR](#) [SFMC-140-L2-L-D-P-FR](#) [SFMC-145-02-L-D-P](#) [SFMC-125-T2-F-D-P-TR](#) [SFMC-146-02-F-D-P](#) [SFMC-148-02-L-D-P](#) [SFMC-106-01-L-D-P-FR](#) [SFMC-112-02-L-D-K-FR](#) [SFMC-116-02-L-D-K-FR](#) [SFMC-120-03-F-D-FR](#) [SFMC-123-01-S-D-FR](#) [SFMC-145-02-F-D-P](#) [SFMC-121-L2-S-D-P](#) [SFMC-107-L2-S-D-P-FR](#) [SFMC-150-01-L-D-K-TR](#) [SFMC-106-01-S-D-FR](#) [SFMC-121-03-L-D-P-TR](#)