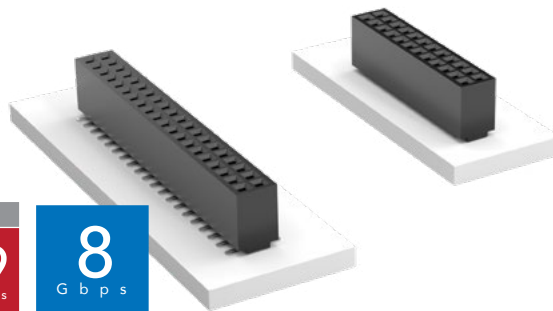


FLEXIBLE PIN COUNT TIGER EYE™ SOCKET

(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)

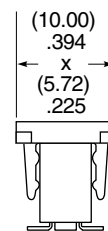
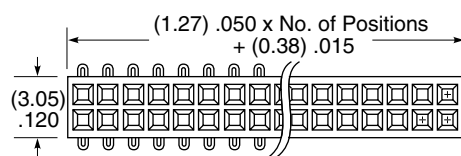
Voltage Rating:
220 VAC/310 VDC

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

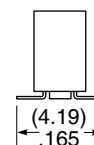
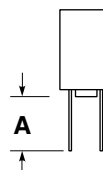
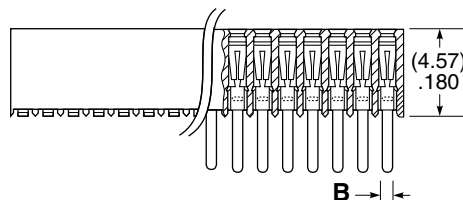


-P OPTION

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-115-02-S-D](#) [SFMC-105-03-S-D](#) [SFMC-105-L3-S-D](#) [SFMC-110-T1-S-D](#) [SFMC-113-02-S-D](#) [SFMC-116-02-S-D](#) [SFMC-105-01-L-D](#) [SFMC-117-02-S-D](#) [SFMC-118-01-S-D](#) [SFMC-104-T1-S-D](#) [SFMC-103-02-L-D](#) [SFMC-105-02-S-D-P-TR](#) [SFMC-108-02-S-D-K-TR](#) [SFMC-110-01-S-D](#) [SFMC-125-01-S-D](#) [SFMC-120-02-L-D](#) [SFMC-120-01-S-D](#) [SFMC-108-02-S-D](#) [SFMC-110-01-L-D](#) [SFMC-140-01-S-D](#) [SFMC-125-T2-L-D](#) [SFMC-116-01-S-D](#) [SFMC-104-01-L-D](#) [SFMC-122-01-L-D](#) [SFMC-118-02-L-D](#) [SFMC-104-02-L-D-K-TR](#) [SFMC-108-03-L-D](#) [SFMC-112-L1-S-D](#) [SFMC-115-01-S-D](#) [SFMC-108-02-L-D](#) [SFMC-104-03-S-D](#) [SFMC-118-02-S-D](#) [SFMC-120-L2-S-D](#) [SFMC-103-01-S-D](#) [SFMC-105-02-L-D](#) [SFMC-107-01-L-D](#) [SFMC-108-01-L-D](#) [SFMC-118-T2-L-D-TR](#) [SFMC-105-T2-S-D](#) [SFMC-140-L1-S-D](#) [SFMC-104-02-L-D](#) [SFMC-103-02-S-D](#) [SFMC-110-03-L-D](#) [SFMC-117-03-S-D](#) [SFMC-105-T1-S-D](#) [SFMC-106-01-S-D](#) [SFMC-110-03-S-D](#) [SFMC-115-01-L-D](#) [SFMC-120-01-L-D](#) [SFMC-125-03-S-D](#) [SFMC-107-01-S-D](#) [SFMC-103-01-L-D](#) [SFMC-108-03-S-D](#) [SFMC-104-02-S-D-K-TR](#) [SFMC-102-01-S-D](#) [SFMC-109-L3-S-D](#) [SFMC-122-01-S-D](#) [SFMC-117-01-S-D](#) [SFMC-104-01-S-D](#) [SFMC-103-T1-S-D](#) [SFMC-107-02-S-D-P-TR](#) [SFMC-112-01-L-D](#) [SFMC-105-02-S-D](#) [SFMC-112-03-L-D](#) [SFMC-105-02-S-D-K-TR](#) [SFMC-107-02-S-D](#) [SFMC-110-02-S-D](#) [SFMC-118-01-L-D](#) [SFMC-102-01-L-D](#) [SFMC-104-03-L-D](#) [SFMC-105-01-S-D](#) [SFMC-112-01-S-D](#) [SFMC-120-02-S-D](#) [SFMC-105-02-L-D-K-TR](#) [SFMC-108-01-S-D](#) [SFMC-125-02-S-D](#) [SFMC-111-01-L-D](#) [SFMC-110-02-L-D](#) [SFMC-114-01-L-D](#) [SFMC-130-01-S-D](#) [SFMC-104-02-S-D](#) [SFMC-104-T2-S-D](#) [SFMC-105-T2-SM-D](#) [SFMC-106-T2-S-D-K-TR](#) [SFMC-105-T2-S-D-P-TR](#) [SFMC-104-T1-L-D-K](#) [SFMC-105-T2-S-D-K](#) [SFMC-104-02-L-D-TR](#) [SFMC-102-02-L-D](#) [SFMC-103-L2-L-D](#) [SFMC-105-T2-L-D-K-TR](#) [SFMC-104-L2-L-D](#) [SFMC-110-T2-L-D-TR](#) [SFMC-104-L2-S-D-TR](#) [SFMC-105-T2-L-D-TR](#) [SFMC-108-T2-L-D-K-TR](#) [SFMC-105-T2-L-D](#) [SFMC-110-T2-SM-D-K-TR](#) [SFMC-102-T2-S-D](#) [SFMC-103-03-S-D](#)