



**THE DATASHEET OF
SFMC-109-T2-S-D-K-TR**



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.)

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)

ALSO AVAILABLE

Other plating
(MOQ Required)

Note:
Some lengths, styles and
options are non-standard,
non-returnable.

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

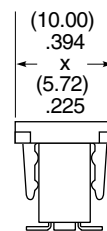
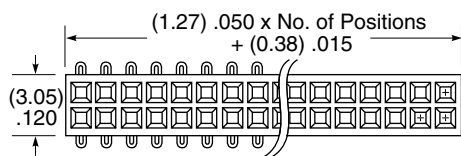
-L
= 10 μ" (0.25 μm)
Gold on contact,
Matte Tin on tail

-K
= (4.00 mm) .157"
DIA Polyimide film
Pick & Place Pad
(4 positions min.)

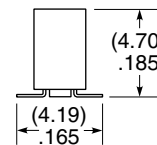
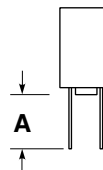
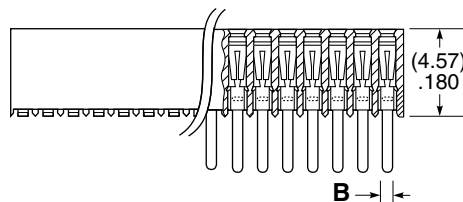
-P
= Plastic Pick
& Place Pad
(5 positions min.)

-TR
= Tape & Reel

-FR
= Full Reel
Tape & Reel
(must order max.
quantity per reel;
contact Samtec for
quantity breaks)



-P OPTION





LEAD STYLE	A	B
-01, -L1, -T1	(3.05) .120	(0.51) .020
-03, -L3	(1.91) .075	(0.41) .016

View complete specifications at: samtec.com?SFMC

Looking for pricing, stock, or lifecycle information?

Click below to explore more details on WIN SOURCE:

-  [View SFMC-109-T2-S-D-K-TR on WIN SOURCE](#)
-  [Samtec Inc. Information](#)

Optimize Your Supply Chain with WIN SOURCE Solutions

-  Global Sourcing Solution
-  Obsolete Management
-  Cost Control Management
-  Shortage Management
-  Alternative Solution
-  Excess Inventory Management