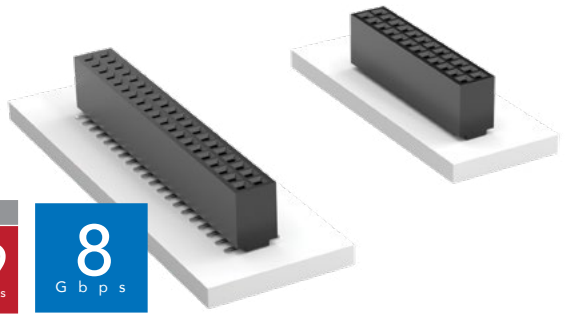
THE DATASHEET OF

SFMC-105-T2-L-D-K

TIGER™ EYE SYSTEM

FLEXIBLE PIN COUNT TIGER EYE™ SOCKET



MAX 2.9 Amps | 8 Gbps

(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

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

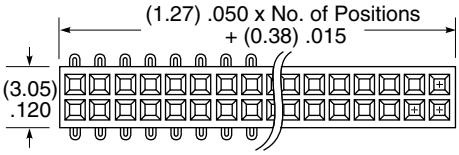
Insulator Material:
Black Liquid Crystal Polymer
Contact Material:
Tiger Eye™ = BeCu
Tiger Eye™ LITE= Phosphor Bronze
Plating:
Au or Sn over
50 µ" (1.27 µm) Ni
Current Rating:
2.9 A per pin
(2 pins powered)
Voltage Rating:
220 VAC/310 VDC
Operating Temp Range:
-55 °C to +125 °C
Insertion Depth:
(3.05 mm) .120" to
(4.06 mm) .160"
Max Cycles:
10,000 with 30 µ" (0.76 µm) Au

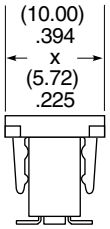
PROCESSING

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)

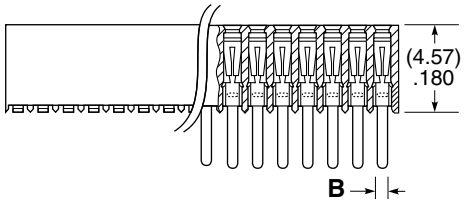
ALSO AVAILABLE

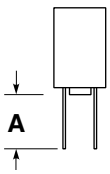
Other plating
(MOQ Required)

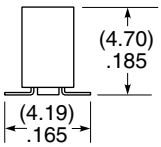




-P OPTION







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**

Unless otherwise approved in writing by Samtec, all parts and components are designed and built according to Samtec's specifications which are subject to change without notice.

Looking for pricing, stock, or lifecycle information?

Click below to explore more details on WIN SOURCE:

- View SFMC-105-T2-L-D-K 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