



(1,27 mm) .050"

SFMC-117-T1-L-D

SFMC-125-T2-L-D-P

SFMC-112-03-L-D

SFMC-105-T2-L-D

SFMC SERIES

FLEXIBLE PIN COUNT TIGER EYE™ SOCKETS

SPECIFICATIONS

For complete specifications and recommended PCB layouts see www.samtec.com?SFMC

Insulator Material:

Black Liquid Crystal Polymer

Contact Material:

Tiger Eye™ = BeCu

Tiger Eye™ LITE =

Phosphor Bronze

Plating:

Au or Sn over

50μ" (1,27 μm) Ni

Current Rating (SFM/FTSH):

2.9 A per pin

(1 pin powered per row)

Operating Temp Range:

-55°C to +125°C

Contact Resistance:

15 mΩ

Insertion Depth:

(3,05 mm) .120" to

(4,06 mm) .160"

Insertion Force:

(Single contact only)

Standard= 2.5 oz (0,69 N) avg.

LITE= 2.0 oz (0,56 N) avg.

LIF= 1.5 oz (0,42 N) avg.

Normal Force:

Standard= 132g (1,29 N) avg.

LIF= 90g (0,88 N) avg.

Withdrawal Force:

(Single contact only)

Standard= 2.0 oz (0,56 N) avg.

LITE= 1.5 oz (0,42 N) avg.

LIF= 1.5 oz (0,42 N) avg.

Max Cycles:

10,000 with 30μ" (0,76 μm) Au

RoHS Compliant:

Yes

Processing:

Lead-Free Solderable:

Yes

SMT Lead Coplanarity:

(0,10 mm) .004" max (02-26)

(0,15 mm) .006" max (27-50)

Mates with:

TFM, FMTP, FFMD



High reliability
Tiger Eye™
contacts

Any number of
positions from
2 through 50

Slotted SMT tails

Available with optional
Pick & Place Pads

SFMC

1

NO. PINS
PER ROWLEAD
STYLEPLATING
OPTION

D

OPTION

02 thru 50

LEAD STYLE	A	B
-01, -L1, -T1	(3,05) .120	(0,51) .020
-03, -L3	(1,91) .075	(0,41) .016

-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

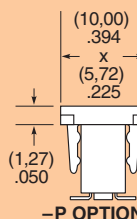
-T2
= Surface Mount
Tiger Eye™ LITE

-L
= 10μ" (0,25 μm)
Gold on contact,
Matte Tin on tail

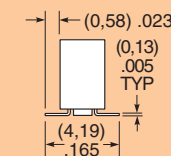
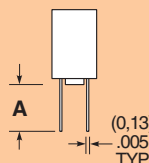
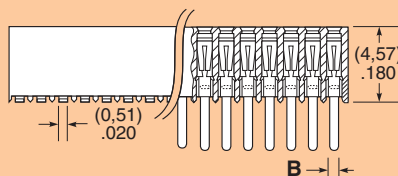
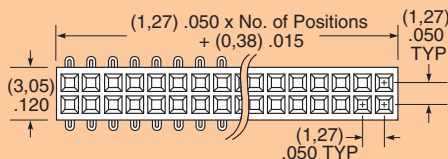
-K
= (4,00 mm) .157
DIA Polyimide
film Pick &
Place Pad
(4 positions
minimum)

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

-TR
= Tape & Reel



-P OPTION



RECOGNITIONS

For complete scope of recognitions see www.samtec.com/quality



ALSO AVAILABLE (MOQ Required)

- Other platings
- Contact Samtec.

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

Due to technical progress, all designs, specifications and components are subject to change without notice.

WWW.SAMTEC.COM

SAMTEC USA • Tel: +1-800-SAMTEC-9 or +1-812-944-6733 SAMTEC NORTHERN CALIFORNIA • Tel: +1-408-395-5900 SAMTEC SOUTHERN CALIFORNIA • Tel: +1-800-726-8329
 SAMTEC SOUTH AMERICA • Tel: +55 31 3786 3227 SAMTEC UNITED KINGDOM • Tel: +44 01236 739292 SAMTEC GERMANY • Tel: +49 (0) 89 / 89460-0
 SAMTEC FRANCE • Tel: +33 1 60 95 06 60 SAMTEC ITALY • Tel: +39 039 6890337 SAMTEC NORDIC/BALTIC • Tel: +46 8 4477280 SAMTEC BENELUX • Tel: +44 01236 739292
 SAMTEC ISRAEL • Tel: +972 3 7526600 SAMTEC INDIA • Tel: +91 80 3272 1612 SAMTEC ANZ • Tel: +613 9580 0683 SAMTEC SINGAPORE • Tel: +65 6745 5955 SAMTEC JAPAN • Tel: +81 45 475 1385
 SAMTEC SHANGHAI • Tel: +86 21 6083 3766 SAMTEC SHENZHEN • Tel: +86 755 83776780 SAMTEC TAIWAN • Tel: +886 2 2735 6109 SAMTEC HONG KONG • Tel: +852 26904658 SAMTEC KOREA • Tel: +82 31 717 5685