



(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

50 μ" (1.27 μm) Ni

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= 132 g (1.29 N) avg.

LIF= 90 g (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 30 μ" (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

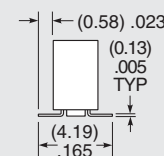
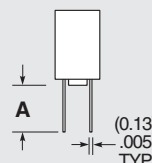
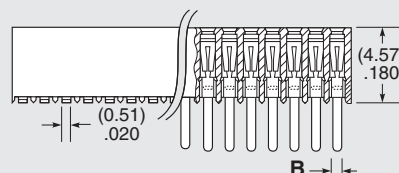
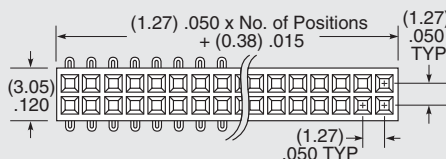
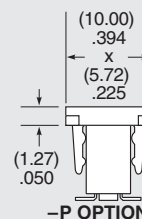
-T2
= Surface Mount
Tiger Eye™ LITE

-L
= 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
minimum)

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

-TR
= Tape & Reel



RECOGNITIONS

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



ALSO AVAILABLE (MOQ Required)

- Other platings
- Contact Samtec.

*Note: Standard FFMD callout will not mate with FLE, SFMC. Must use gold plated callouts. (See drawing on web.)

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