



(1,27 mm) .050"

SFMC SERIES

SFMC-117-T1-L-D

SFMC-125-T2-L-D-P

SFMC-112-03-L-D

SFMC-105-T2-L-D

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:

2A/Contact @ 80°C ambient

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, FTSH(LIF), FW(LIF),

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

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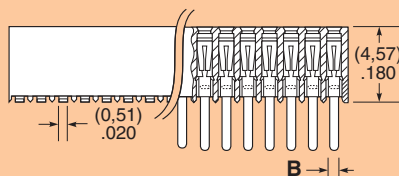
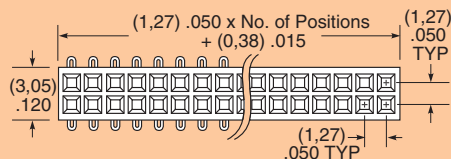
NO. PINS
PER ROWLEAD
STYLEPLATING
OPTION

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

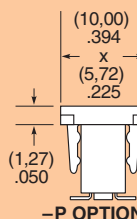
-T2
= Surface Mount
Tiger Eye™ LITE

-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

Note: Other Gold plating
options available.
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.

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