



(1,27mm) .050"

SFMC SERIES

SFMC-117-T1-L-D

SFMC-125-T1-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" (1,27µm) Ni

Current Rating:

2A @ 80°C ambient

Operating Temp Range:

-55°C to +125°C

Contact Resistance:

15 mΩ max

Insertion Depth:

(3,05mm) .120" to

(4,06mm) .160"

Insertion Force:

(Single contact only)

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

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

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

Withdrawal Force:

(Single contact only)

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

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

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

Max Cycles:

10,000 with 30µ" (0,76µm) Au

RoHS Compliant:

Yes

Processing:

Max Processing Temp:

230°C for 60 seconds, or

260°C for 20 seconds 3x

Lead-Free Solderable:

Yes

SMT Lead Coplanarity:

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

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

Mates with:

TFM, FTSH(LIF), FW(LIF),

TFMDL, 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 ROW	LEAD STYLE	PLATING OPTION	D	OPTION
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 = 10µ" (0,25µm) Gold on contact, Matte Tin on tail	-K = (4,00mm) .157 DIA Polyimide film Pick & Place Pad (4 positions minimum) -P = Plastic Pick & Place Pad (5 positions minimum) -TR = Tape & Reel	

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

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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