

SFMC SERIES

(1,27 mm) .050"

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

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.

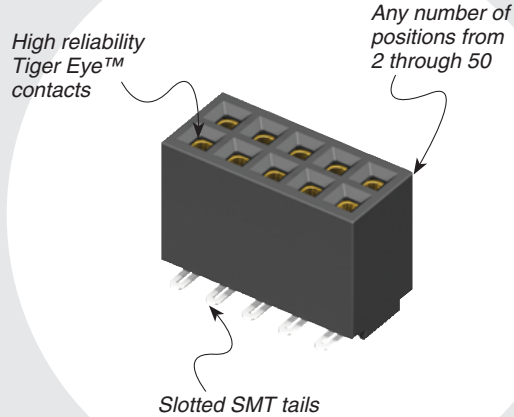
Max Cycles:
10,000 with 30µ" (0,76 µm) Au

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, FMTF, FFMD



Available with optional Pick & Place Pads

SFMC	1	NO. PINS PER ROW	LEAD STYLE	PLATING OPTION	D	OPTION
		02 thru 50	<p>-01, -03 = Through-hole</p> <p>-L1, -L3 = Low Insertion Force Through-hole</p> <p>-02 = Surface Mount</p> <p>-L2 = Low Insertion Force Surface Mount</p> <p>-T1 = Through-hole Tiger Eye™ LITE</p> <p>-T2 = Surface Mount Tiger Eye™ LITE</p>	<p>-L = 10µ" (0,25 µm) Gold on contact, Matte Tin on tail</p>		<p>-K = (4,00 mm) .157 DIA Polyimide film Pick & Place Pad (4 positions minimum)</p> <p>-P = Plastic Pick & Place Pad (5 positions minimum)</p> <p>-TR = Tape & Reel</p>

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

(1,27) .050 x No. of Positions + (0,38) .015

(3,05) .120

(1,27) .050 TYP

(1,27) .050 TYP

(0,51) .020

(4,57) .180

B

A

(0,13) .005 TYP

(10,00) .394

x (5,72) .225

(1,27) .050

-P OPTION

(0,58) .023

(0,13) .005 TYP

(4,19) .165

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.