



(1,27 mm) .050"

SFMC-117-T1-L-D

SFMC-112-03-L-D

SFMC-125-T2-L-D-P

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](http://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, 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

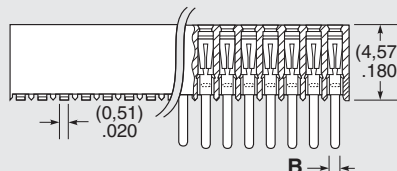
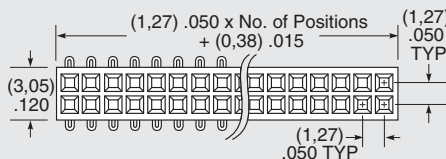
NO. PINS  
PER ROWLEAD  
STYLEPLATING  
OPTION

D

OPTION

02 thru 50

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

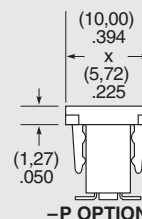
-T2  
= Surface Mount  
Tiger Eye™ LITE

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

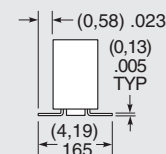
-K  
= (4,00 mm) .157  
DIA Polyimide  
film Pick &  
Place Pad  
(4 positions  
minimum)

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

-TR  
= Tape & Reel



-P OPTION



## RECOGNITIONS

For complete scope of recognitions see [www.samtec.com/quality](http://www.samtec.com/quality)



## ALSO AVAILABLE (MOQ Required)

- Other platings
- Contact Samtec.

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