

.050" (1,27mm) PITCH SOCKETS SFMC SERIES

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 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.

Normal Force:

Standard= 132g (1,29N) avg;

LIF= 90g (0,88N) 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:

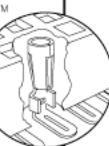
Yes

SMT Lead Coplanarity:

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

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

Mates with:
TFM, FTSH(LIF),
FW(LIF)



High reliability
Tiger Eye™
contacts

Any number of
positions from
2 through 50

Slotted SMT tails

Available with optional
pick-and-place pads

SFMC

1

NO. PINS
PER ROW

LEAD
STYLE

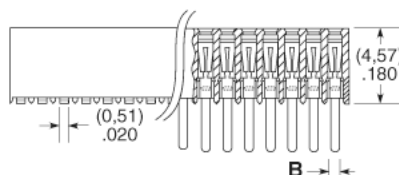
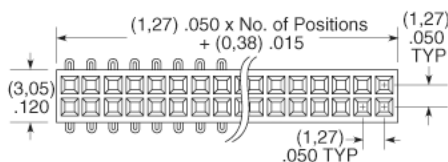
PLATING
OPTION

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

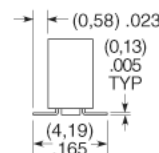
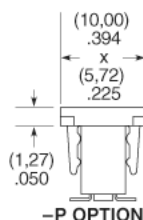
-T2
= Surface Mount
Tiger Eye LITE

-S
= 30µ" (0,76µm)
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



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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