

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

SPECIFICATIONS

Materials:

Insulator Material: Black Liquid Crystal Polymer
Contact Material: Tiger Eye= BeCu
 Tiger Eye LITE= Phosphor Bronze
Current Rating: 2A @ 80°C ambient
Operating Temp Range: -65°C to +125°C
Plating: Au over 50µ" (1,27µm) Ni
Contact Resistance: 15 mΩ max
Insertion Depth: (3,05mm) .120" to (4,06mm) .160"
Insertion Force: Standard= 5.0oz (1,39N) avg; LITE= 4.0oz (1,11N) avg; LIF= 2.0oz (0,56N) avg.
Normal Force: Standard= 70g (0,69N) avg; LIF= 40g (0,39N) avg.
Withdrawal Force: Standard= 4.0oz (1,11N) avg; LITE= 2.5oz (0,69N) avg; LIF= 1.5oz (0,42N) avg.
Max Cycles: Tiger Eye= 100 with 10µ" (0,25µm) Au

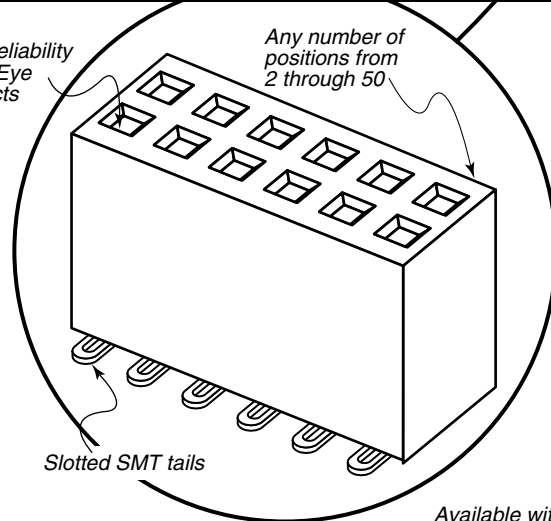


Mates with:
TFM, FTSH(LIF), FW(LIF)



High reliability Tiger-Eye contacts

Any number of positions from 2 through 50



Slotted SMT tails

Available with optional pick-and-place pads

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



02 thru 50

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

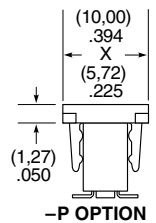
- 01, -03 = Through-hole
- L1, -L3 = Low Insertion Force Through-hole
- 02 = Surface Mount
- L2 = Low Insertion Force Surface Mount
- T1 = Through-hole Tiger Eye LITE
- T2 = Surface Mount Tiger Eye LITE

-S = 30µ" (0,76µm) Au contact
150µ" (3,81µm) Tin tail

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

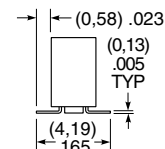
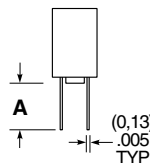
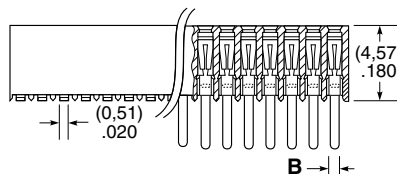
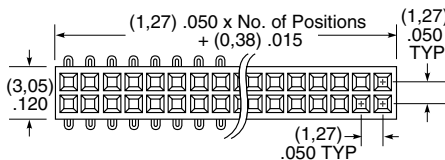
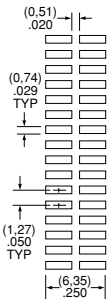
-P = Plastic Pick & Place Pad (5 positions minimum)

-TR = Tape & Reel



Processing:

Max Processing Temp: 230°C for 60 seconds
SMT Lead Coplanarity: (0,10mm) .004" max (02-26) (0,15mm) .006" max (27-50)
Suggested PCB Layouts: For reference only. Please contact Samtec or go to www.samtec.com/standard_products/product_information/pcb_footprints.asp for the recommended PCB layout.



Due to technical progress, all designs, specifications and components are subject to change without notice.

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