

Surface
SMT
Mount

ONE-PIECE INTERFACE FSI SERIES

SPECIFICATIONS

For complete specifications see www.samtec.com?FSI

Insulator Material: Liquid Crystal Polymer
Contact Material: Phosphor Bronze
Current Rating: 1A @ 80 ambient
Operating Temp Range: -65°C to +125°C
Plating: Au over 50µ" (1,27µm) Ni



Processing:
Max Processing Temp: 230°C for 60 seconds
SMT Lead Coplanarity: (0,10mm) .004" max (05-.35) (0,15mm) .006" max (40-50)
Compression Board: Gold Pads required
Suggested PCB Layouts: For reference only. Please contact Samtec or go to www.samtec.com?FSI for recommended PCB layout.

ALSO AVAILABLE
 Low profile see SEI & SEL series.
 (2,54mm) .100" pitch see SIB series.

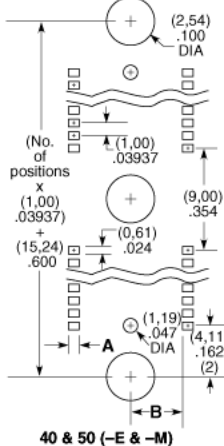
Choice of board stacking profiles

Optional Alignment pins

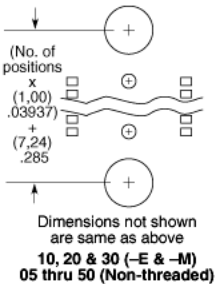
(1,00mm) .03937"

Short version or optional threaded inserts

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



	SOLDER BOARD	MATING BOARD
A	(1,14) .045	(3,56) .140
B	(4,39) .173	(1,14) .045



FSI	1 PINS PER ROW	BODY HEIGHT	PLATING OPTION	D	INSERT OPTION	ALIGNMENT OPTION	OTHER OPTION
	10, 20, 30, 40 & 50 (Screw Option) 05, 10, 15, 20, 25, 30, 35, 40, 45, 50 (Short Version)	-06 = 6,00mm -10 = 10,00mm	-L = 10µ" (0,25µm) Gold on contact, Tin on tail		Leave blank for Short Version (No screw down inserts or holes) -E = #2-56 x 1/16" screw thread -M = 2,00mm x 0,40mm screw thread	Leave blank for no Alignment Pin -AT = Alignment Pin Top Side -AB = Alignment Pin Bottom Side -AD = Alignment Pin Dual Side	-K = (8,00mm) .315" DIA Polyimide Film Pick & Place Pad (40 & 50 position with threaded insert option only) -P = Plastic Pick & Place Pad (5,08mm) .200" x (12,45mm) .490" (40 & 50 not available with -E or -M) -TR = Tape & Reel Packaging

BODY HEIGHT	B
-06	(6,00) .236
-10	(10,00) .394

(1,07) .042 DIA (1,40) .055 (1,40) .055 (6,37) .251 (0,89) .035

(No. of positions x (1,00) .03937) + (7,24) .285
 (No. of positions x (1,00) .03937) + (14,10) .555
 (No. of positions x (1,00) .03937) + (22,09) .870
 (No. of positions/2 x (1,00) .03937) + (7,62) .300

Insert Option (10, 20 & 30 pins/row)
 Insert Option (40 & 50 pins/row)

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

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