

(1.00 mm) .0394"

FSI-120-06-L-D-AD

FSI-150-03-G-D-E-AD

FSI-150-03-G-D-AD

# LOW PROFILE & ELEVATED ONE-PIECE

## SPECIFICATIONS

For complete specifications and recommended PCB layouts see [www.samtec.com?FSI](http://www.samtec.com?FSI)

### Insulator Material:

Liquid Crystal  
Polymer

### Contact Material:

BeCu

### Current Rating:

2.8 A per pin  
(1 pin powered per row)

### Operating Temp Range:

-55 °C to +125 °C

### Plating:

Au over 50 μ" (1.27 μm) Ni

### RoHS Compliant:

Yes

## PROCESSING

### Lead-Free Solderable:

Yes

### SMT Lead Coplanarity:

(0.10 mm) .004" max (05-30)

(0.15 mm) .006" max (50)

### Compression Board:

Gold Pads required

## RECOGNITIONS

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



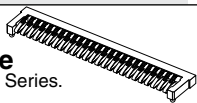
FILE NO. E111594

**Note:** Applications requiring 40-50 positions without threaded inserts, please contact Samtec Interconnect Processing Group.

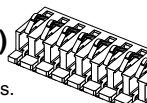
**Note:** Some lengths, styles and options are non-standard, non-returnable.

## Other Solutions

**Low Profile**  
See SEI Series.



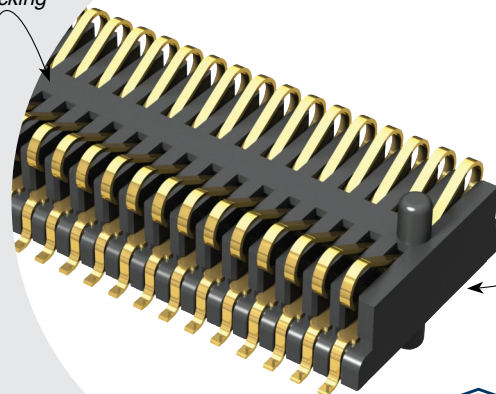
**.100" (2.54 mm) Pitch**  
See SIB Series.



## ALSO AVAILABLE (MOQ Required)

- No alignment pin
  - Top side alignment pin
  - Bottom side alignment pin
  - Other platings
- Contact Samtec.

Choice of board stacking profiles

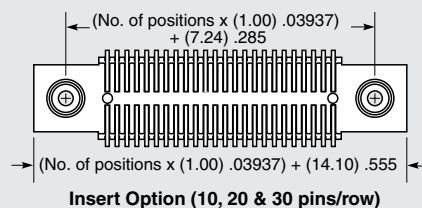
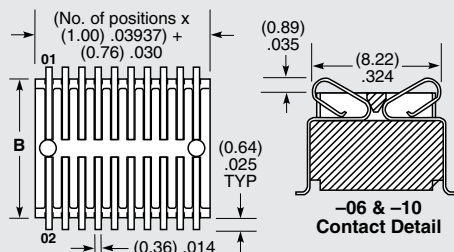


Short version or optional threaded inserts

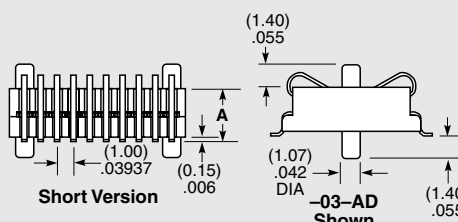
**RUGGEDIZED**  
BY SAMTEC

- Threaded insert option

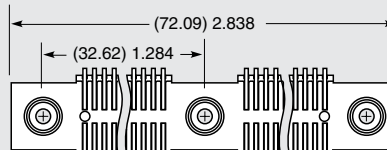
FSI	1	PINS PER ROW	BODY HEIGHT	PLATING OPTION
10, 20, 30 & 50 (Insert/Screw Option)			-03 = 3.00 mm	-G = 10 μ" (0.25 μm) Gold (-03 only)
05, 10, 20, 30, 50 (Short Version)			-06 = 6.00 mm	-L = 10 μ" (0.25 μm) Gold on contact, Matte Tin on tail (Not available with -03 body height)
			-10 = 10.00 mm	



BODY HEIGHT	A	B
-03	(3.00) .118	(8.76) .345
-06	(6.00) .236	(9.02) .355
-10	(10.00) .394	(9.02) .355



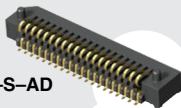
Double Row Version -03, -06, -10



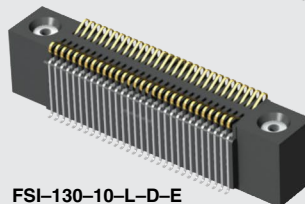
Insert Option (50 pins/row)



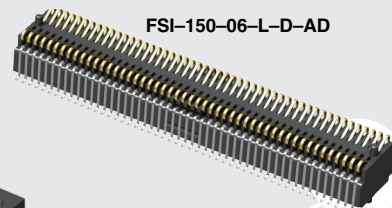
FSI-120-06-L-S-AD



FSI-120-03-G-S-AD

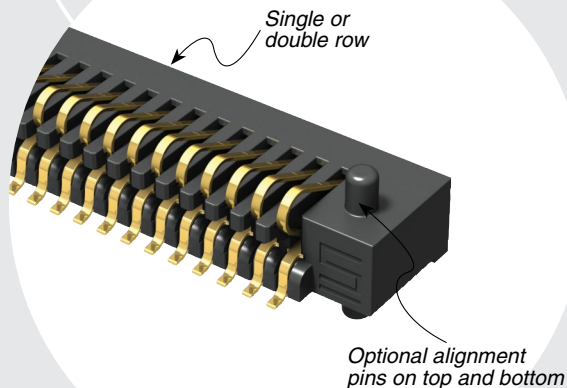


FSI-130-10-L-D-E

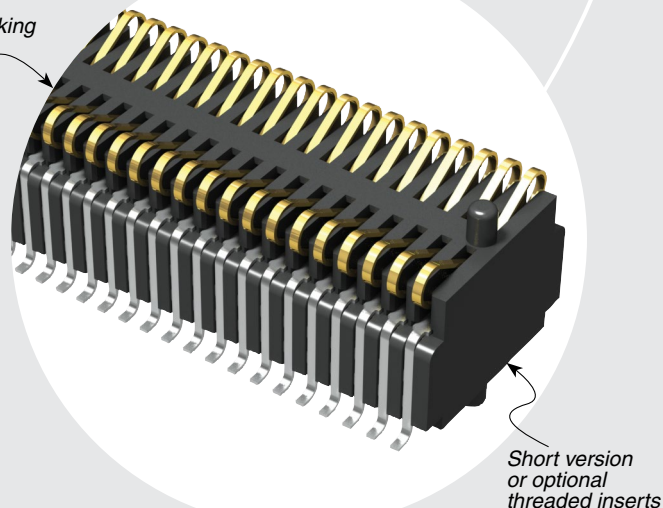


FSI-150-06-L-D-AD

## FSI SERIES



Choice of board stacking profiles



### ROW OPTION

**-S**  
= Single Row  
(Available with 5, 10 & 20 pins with -AD alignment pin)

**-D**  
= Double Row

### INSERT OPTION

Leave blank for Short Version  
(No screw down inserts or holes)

**-E**  
= #2-56 x 1/16" screw thread

**-M**  
= 2.00 mm x 0.40 mm screw thread

### ALIGNMENT OPTION

Leave blank for no Alignment Pin

**-AD**  
= Alignment Pin Top & Bottom

### OTHER OPTION

**-WT**  
= Weld Tab  
(Available with -S row option & -06 & -10 body height only)

**-K**  
= Polyimide Film Pick & Place Pad  
(50 position with threaded insert option only)

**-P**  
= Plastic Pick & Place Pad  
(5.08 mm) .200" x (12.45 mm) .490"  
(50 not available with -E)  
(Not available with -S row option or -03 body height)

**-TR**  
= Tape & Reel Packaging

