

(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 50µ" (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)

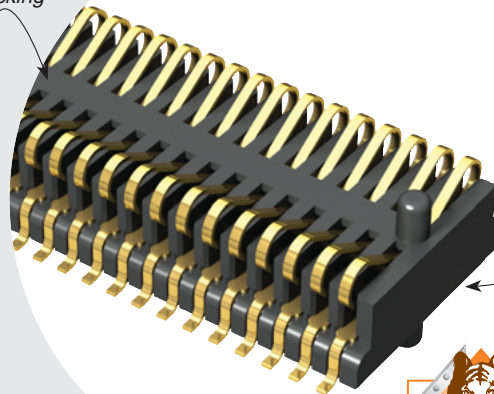
#### Compression Board:

Gold Pads required

## 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



- Threaded insert option

## RECOGNITIONS

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



FSI

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PINS PER ROW

BODY HEIGHT

PLATING OPTION

10, 20, 30 & 50  
(Insert/Screw Option)

05, 10, 20, 30, 50  
(Short Version)

—03  
= 3,00 mm

—06  
= 6,00 mm

—10  
= 10,00 mm

—G  
= 10µ" (0,25 µm) Gold  
(—03 only)

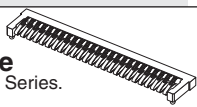
—L  
= 10µ" (0,25 µm)  
Gold on contact,  
Matte Tin on tail  
(Not available with  
—03 body height)

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

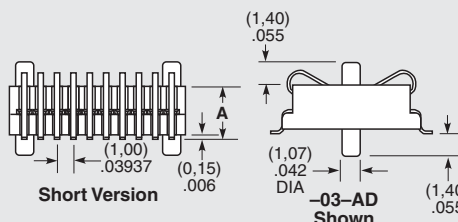
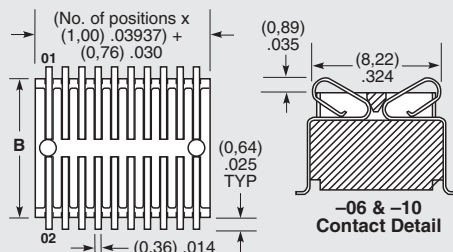
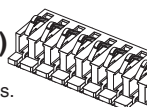
**Note:** Some lengths, styles and options are non-standard, non-returnable.

## Other Solutions

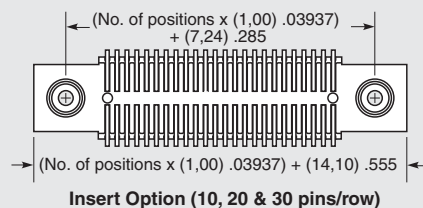
**Low Profile**  
See SEI Series.



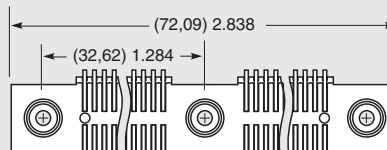
**.100"**  
(2,54 mm)  
Pitch  
See SIB Series.



Double Row Version —03, —06, —10

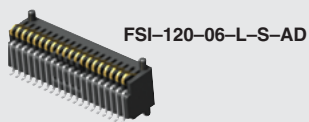


Insert Option (10, 20 & 30 pins/row)

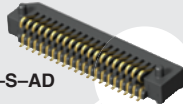


Insert Option (50 pins/row)

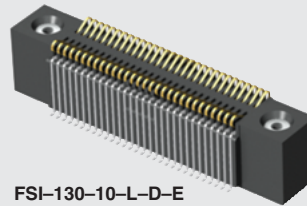
| BODY HEIGHT | A            | B           |
|-------------|--------------|-------------|
| —03         | (3,00) .118  | (8,76) .345 |
| —06         | (6,00) .236  | (9,02) .355 |
| —10         | (10,00) .394 | (9,02) .355 |



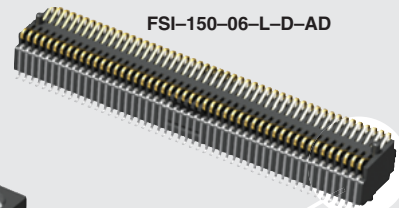
FSI-120-06-L-S-AD



FSI-120-03-G-S-AD

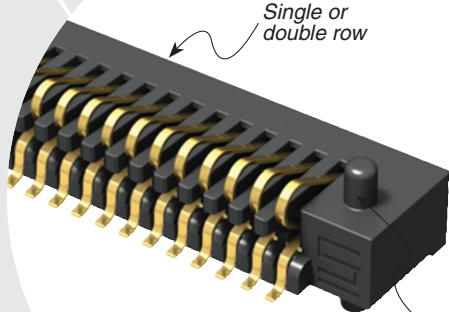


FSI-130-10-L-D-E



FSI-150-06-L-D-AD

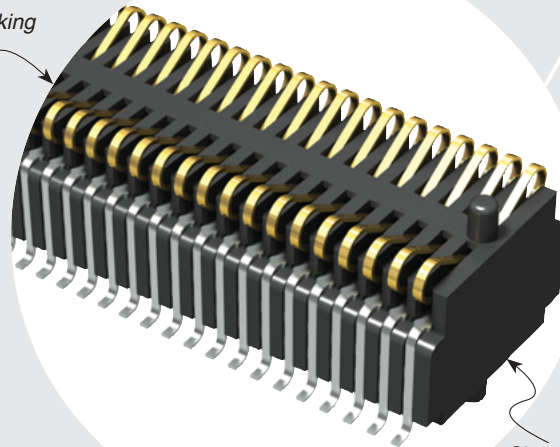
## FSI SERIES



Single or double row

Optional alignment pins on top and bottom

Choice of board stacking profiles



Short version or optional threaded inserts

### 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

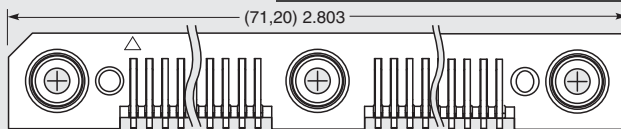
### OTHER OPTION

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

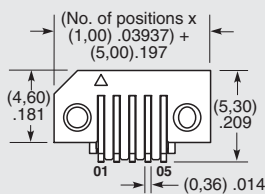
**-K**  
= Polyimide Film Pick & Place Pad  
(50 position with threaded insert option only)

**-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

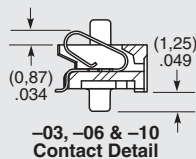


Insert Option (50 pins/row)

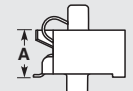


Short Version

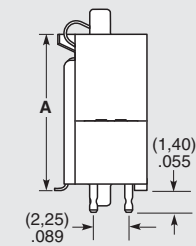
Single Row Version -03, -06, -10



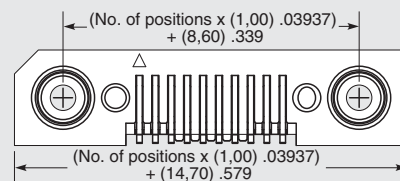
-03, -06 & -10 Contact Detail



-03-AD Shown



-WT Option  
(-06 & -10 Body only)



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