

**(1.00 mm) .0394"**

# 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 (2 pins powered)

**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

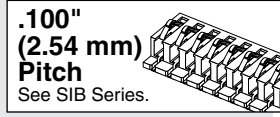
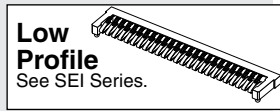
For complete scope of recognitions see [www.samtec.com/quality](http://www.samtec.com/quality)



**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



*Choice of board stacking profiles*

*Short version or optional threaded inserts*

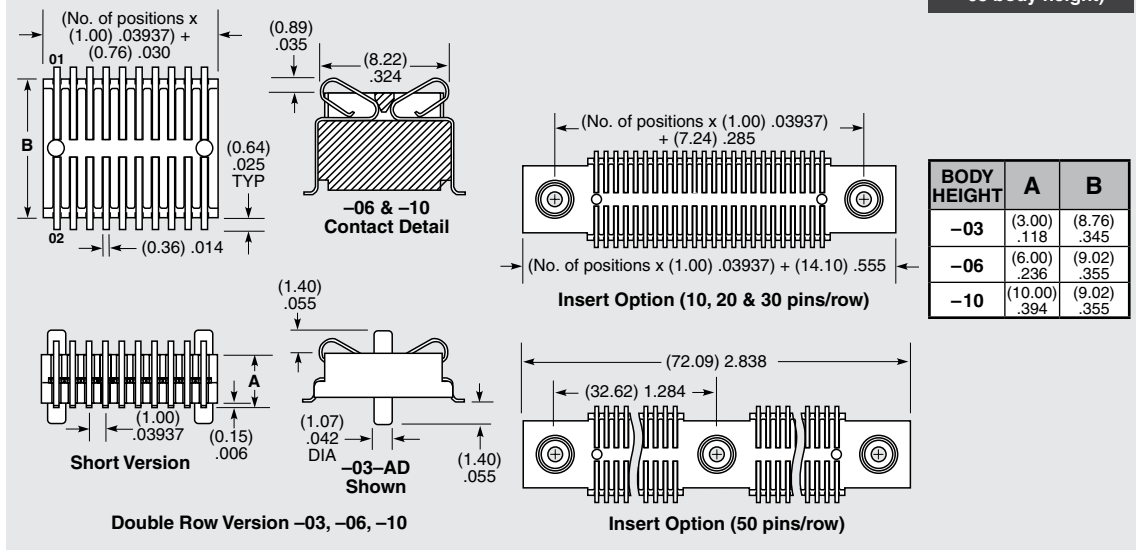
**RUGGEDIZED BY SAMTEC**

- Threaded insert option

- No alignment pin
- Top side alignment pin
- Bottom side alignment pin
- Other platings

Contact Samtec.

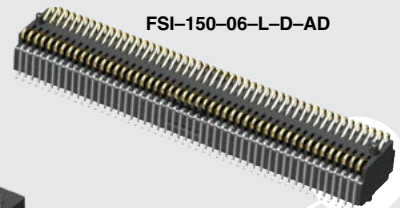
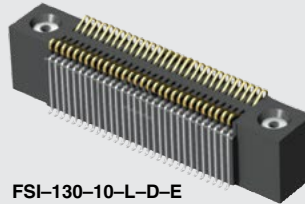
<b>FSI</b>	<b>1</b>	<b>PINS PER ROW</b>	<b>BODY HEIGHT</b>	<b>PLATING OPTION</b>
		<b>10, 20, 30 &amp; 50</b> (Insert/Screw Option)	<b>-03</b> = 3.00 mm	<b>-G</b> = 10 μ" (0.25 μm) Gold (-03 only)
		<b>05, 10, 20, 30, 50</b> (Short Version)	<b>-06</b> = 6.00 mm	<b>-L</b> = 10 μ" (0.25 μm) Gold on contact,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



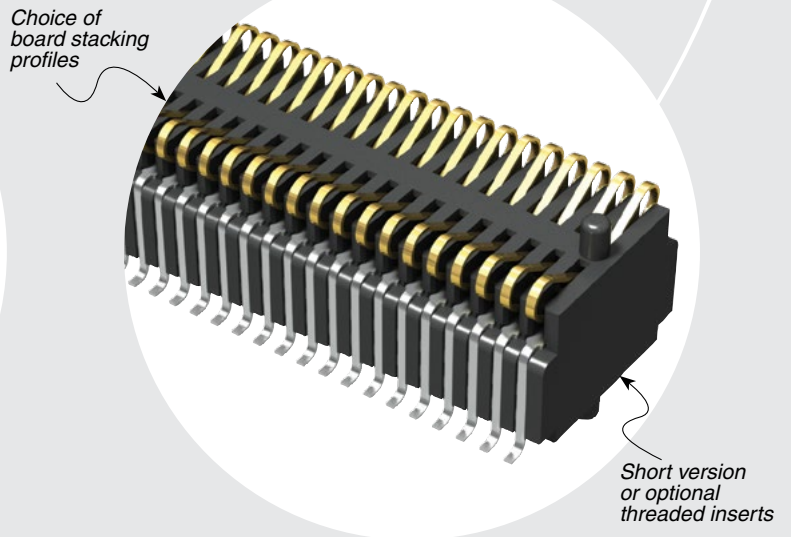
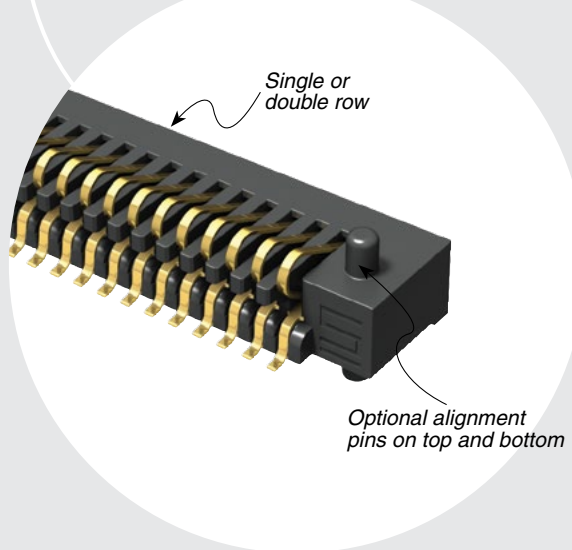
Due to technical progress, all designs, specifications and components are subject to change without notice.

[WWW.SAMTEC.COM](http://WWW.SAMTEC.COM)

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**FSI SERIES**



**ROW OPTION**

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

**INSERT OPTION**

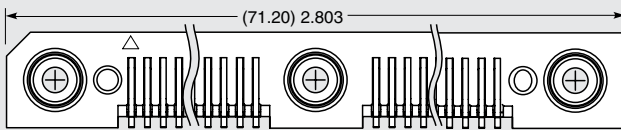
- Leave blank for Short Version  
(No screw down inserts or holes)
- E**  
= #2-56 x 1/16" screw thread
- M**  
= 2.00 mm x 0.40 mm screw thread

**ALIGNMENT OPTION**

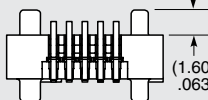
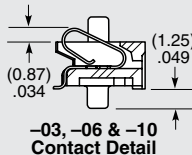
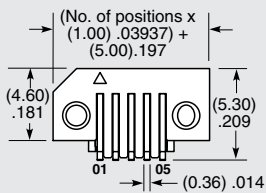
- Leave blank for no Alignment Pin
- AD**  
= Alignment Pin Top & Bottom

**OTHER OPTION**

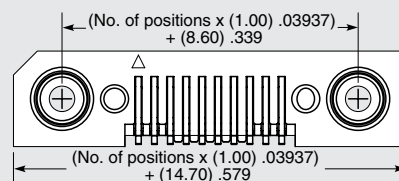
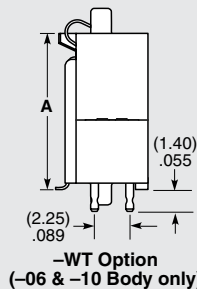
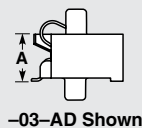
- WT**  
= Weld Tab  
(Available with -S row option & -06 & -10 body height only)
- K**  
= Polyimide Film Pick & Place Pad  
(50 position with threaded insert option only)
- P**  
= Plastic Pick & Place Pad  
(5.08 mm) .200" x (12.45 mm) .490"  
(50 not available with -E)  
(Not available with -S row option or -03 body height)
- TR**  
= Tape & Reel Packaging



Insert Option (50 pins/row)



Single Row Version -03, -06, -10



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

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