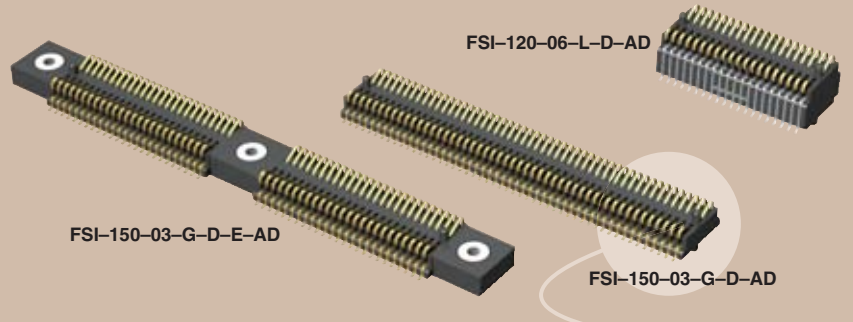


**(1,00mm) .03937"**

**FSI SERIES**



# LOW PROFILE & ELEVATED ONE PIECE

## SPECIFICATIONS

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

**Insulator Material:**  
Liquid Crystal Polymer



**Contact Material:**  
BeCu

**Current Rating:**  
1A @ 80°C ambient  
**Operating Temp Range:**  
-55°C to +125°C

**Plating:**  
Au over 50µ" (1,27µm) Ni  
**RoHS Compliant:**  
Yes

**Processing:**  
Lead-Free Solderable:  
Yes

**SMT Lead Coplanarity:**  
(0,10mm) .004" max (05-35)  
(0,15mm) .006" max (40-50)

**Compression Board:**  
Gold Pads required

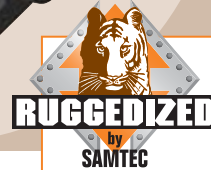
## APPLICATION SPECIFIC OPTION

Metric insert, no alignment pin, top side alignment pin and bottom side alignment pin.  
Call Samtec.

Choice of board stacking profiles

(1,00mm) .03937"

Short version or optional threaded inserts



• Threaded insert option

**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.

## Also Available

**Low Profile**  
See SEI Series.

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

**High Density**  
See GFZ Series.

**Flex Data Link**  
See FSIF Series.

**FSI** — **1** — **PINS PER ROW** — **BODY HEIGHT** — **PLATING OPTION**

**10, 20, 30, 40 & 50**  
(Insert/Screw Option)

**05, 10, 15, 20, 25, 30, 35, 40, 45, 50**  
(Short Version)

**-03** = 3,00mm  
**-06** = 6,00mm  
**-10** = 10,00mm

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

**Note:** Other Gold plating options available. Contact Samtec.

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

**Diagram 1: Double Row Version -03, -06, -10**  
 (No. of positions x (1,00) .03937) + (0,76) .030  
 (0,64) .025 TYP  
 (0,36) .014  
 (8,22) .324  
 (0,89) .035  
**-06 & -10 Contact Detail**

**Diagram 2: Insert Option (10, 20 & 30 pins/row)**  
 (No. of positions x (1,00) .03937) + (7,24) .285  
 (No. of positions x (1,00) .03937) + (14,10) .555

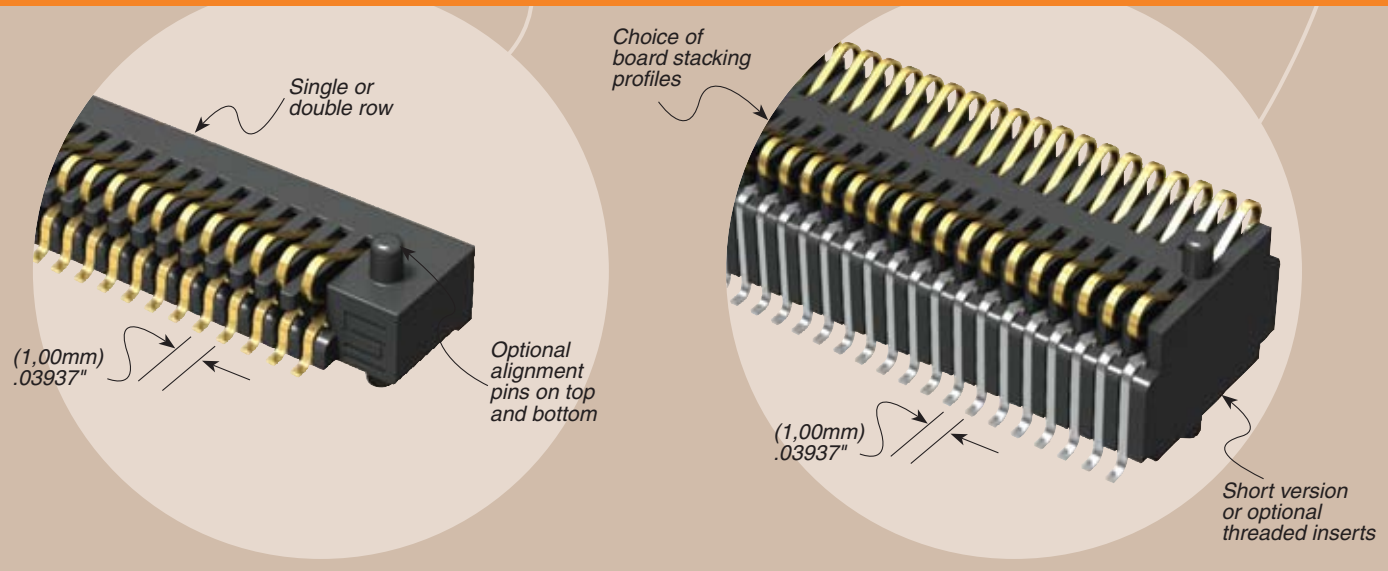
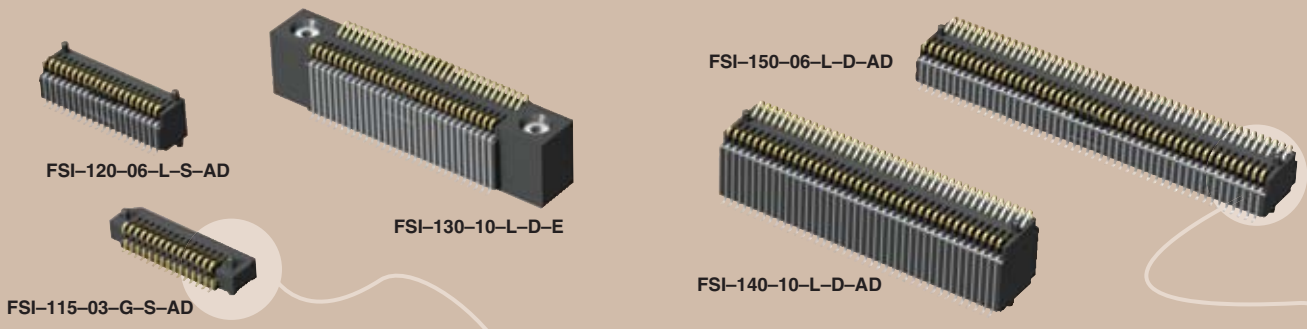
**Diagram 3: Short Version**  
 (1,00) .03937  
 (0,15) .006  
 (1,07) .042 DIA  
**-03-AD Shown**

**Diagram 4: Insert Option (40 & 50 pins/row)**  
 (No. of positions x (1,00) .03937) + (22,09) .870  
 (No. of positions/2 x (1,00) .03937) + (7,62) .300  
 (1,40) .055  
 (1,40) .055

**Diagram 5: -SD Option (-03 Body only)**  
 (14,22) .560

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

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



**ROW OPTION**

**-S**  
= Single Row

**-D**  
= Double Row

**INSERT OPTION**

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

**-E**  
= #2-56 x 1/16" screw thread  
(-SD not available)

**ALIGNMENT OPTION**

Leave blank for no Alignment Pin

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

**OTHER OPTION**

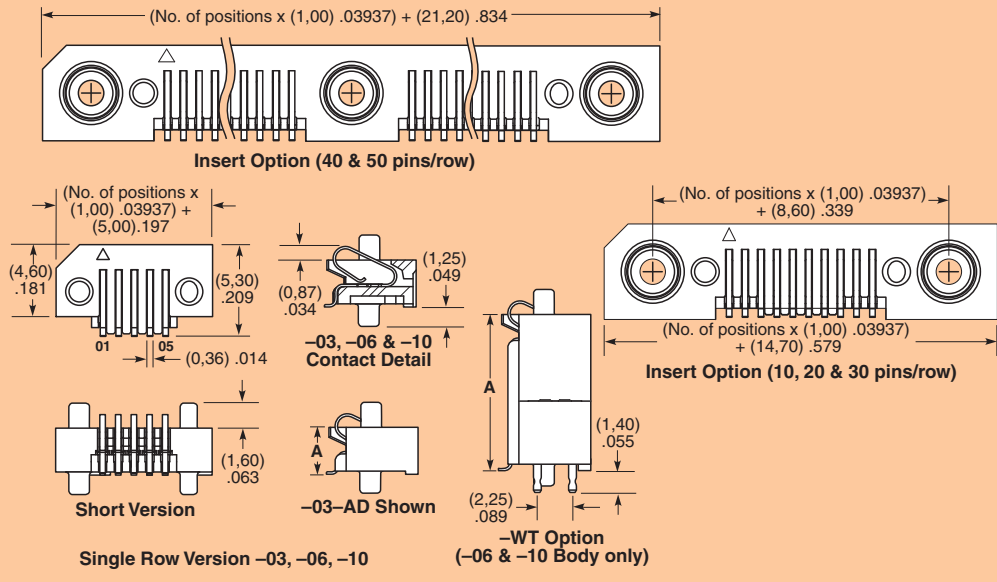
**-SD**  
= Screw Down  
(For mating with FSIF Series Flex Data Link)  
(10, 20, 30 positions only)  
(Threaded insert option not available)  
(Not available with -S row option or  
-06 & -10 body height)

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

**-K**  
= 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)  
(Not available with -S row option  
or -03 body height)

**-TR**  
= Tape & Reel Packaging



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

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