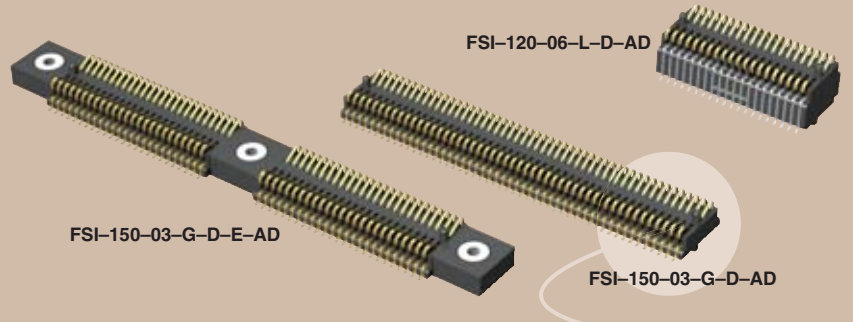


(1,00mm) .03937"

FSI SERIES



LOW PROFILE & ELEVATED ONE PIECE

SPECIFICATIONS

For complete specifications and recommended PCB layouts see 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

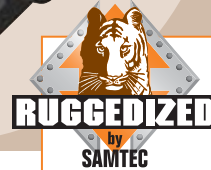
APPLICATION SPECIFIC OPTION

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)

(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

(No. of positions x (1,00) .03937) + (7,24) .285

(No. of positions x (1,00) .03937) + (14,10) .555

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

(1,00) .03937

(0,15) .006

Short Version

(1,40) .055

(1,07) .042 DIA

(1,40) .055

-03-AD Shown

(No. of positions x (1,00) .03937) + (22,09) .870

(No. of positions/2 x (1,00) .03937) + (7,62) .300

Insert Option (40 & 50 pins/row)

(14,22) .560

-SD Option (-03 Body only)

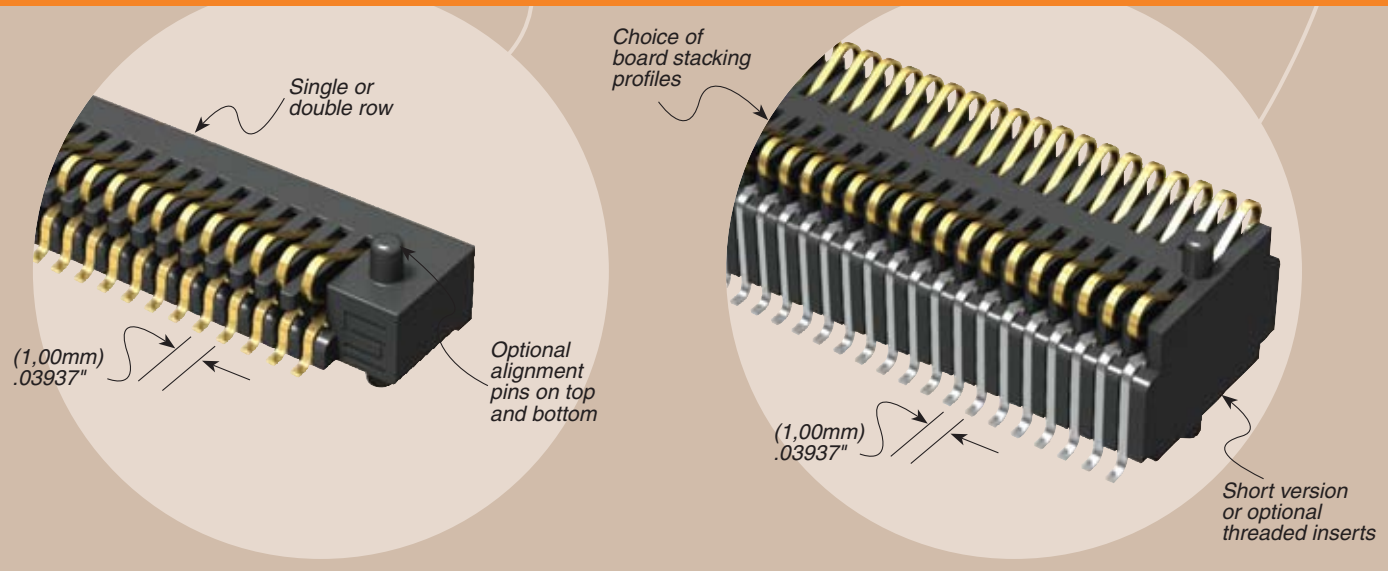
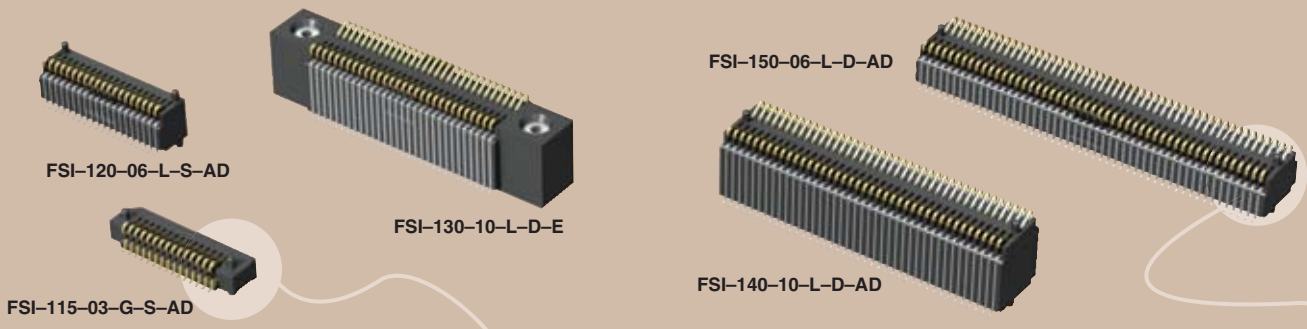
Double Row Version -03, -06, -10

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

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

WWW.SAMTEC.COM



ROW OPTION	INSERT OPTION	ALIGNMENT OPTION	OTHER OPTION
<p>-S = Single Row</p> <p>-D = Double Row</p>	<p>Leave blank for Short Version (No screw down inserts or holes)</p> <p>-E = #2-56 x 1/16" screw thread (-SD not available)</p>	<p>Leave blank for no Alignment Pin</p> <p>-AD = Alignment Pin Top & Bottom</p>	<p>-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)</p> <p>-WT = Weld Tab (Available with -S row option & -06 & -10 body height only)</p> <p>-K = Polyimide Film Pick & Place Pad (40 & 50 position with threaded insert option only)</p> <p>-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)</p> <p>-TR = Tape & Reel Packaging</p>

(No. of positions x (1,00) .03937) + (21,20) .834

Insert Option (40 & 50 pins/row)

(No. of positions x (1,00) .03937) + (8,60) .339

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

(No. of positions x (1,00) .03937) + (5,00) .197

Short Version

Single Row Version -03, -06, -10

(0,87) .034

-03, -06 & -10 Contact Detail

-03-AD Shown

(1,40) .055

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

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