samtec

FSI–120–06–L–D–AD

FSI–150–03–G–D–E–AD

FSI–150–03–G–D–AD

(1.00 mm) .0394"

LOW-PROFILE & ELEVATED ONE-PIECE

Choice of board stacking profiles

Short version or optional threaded inserts

SPECIFICATIONS

For complete specifications and recommended PCB layouts see 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

ALSO AVAILABLE
(MOQ Required)

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

RUGGEDIZED
BY SAMTEC

• Threaded insert option

PROCESSING

Lead-Free Solderable:
Yes
SMT Lead Coplanarity:
(0.10 mm) .004" max (05-30)
(0.15 mm) .006" max (50)*
*(.004" stencil solution may be available; contact IPG@samtec.com)
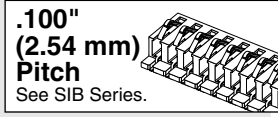**Compression Board:**
Gold Pads required

RECOGNITIONS

For complete scope of recognitions see www.samtec.com/quality

UL
FILE NO. E111594

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

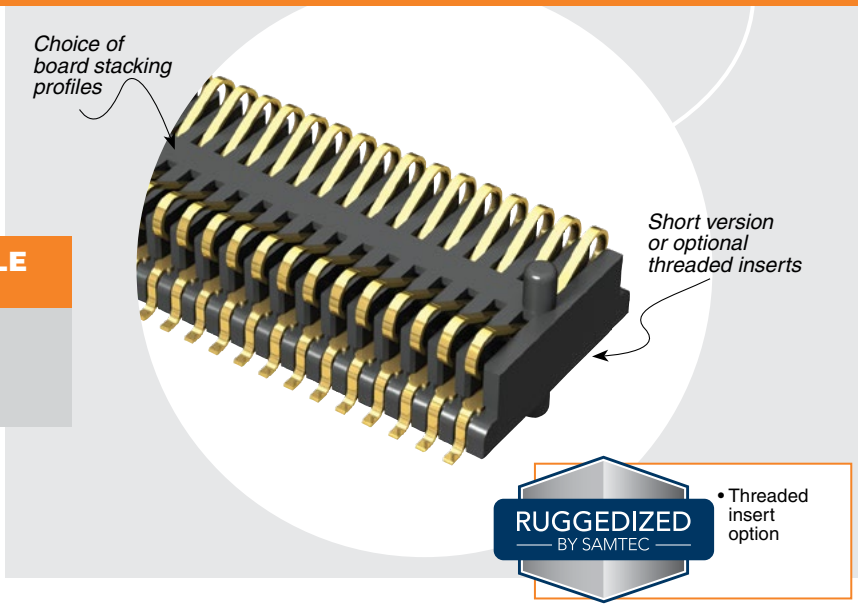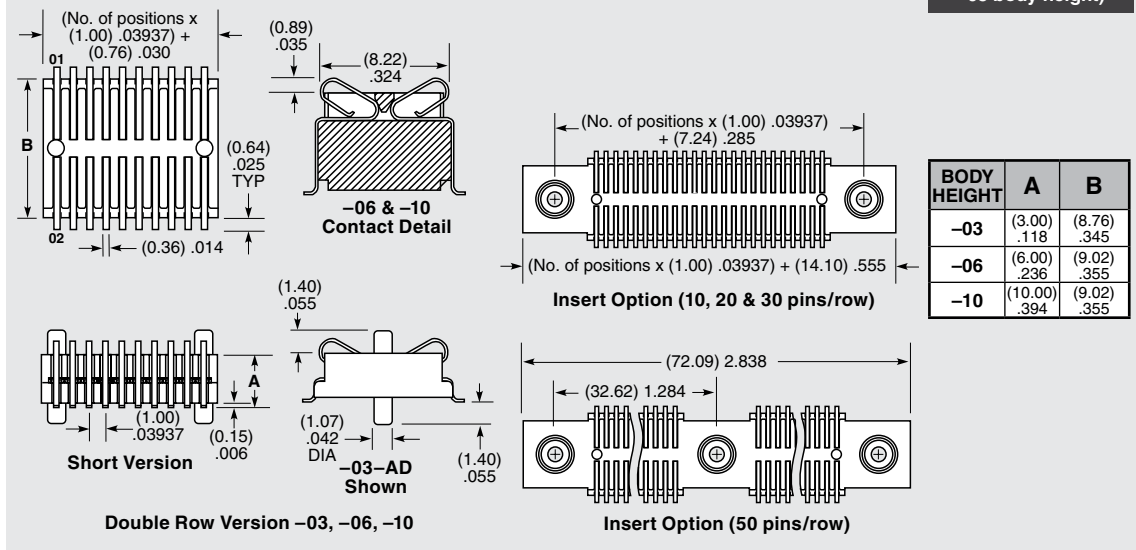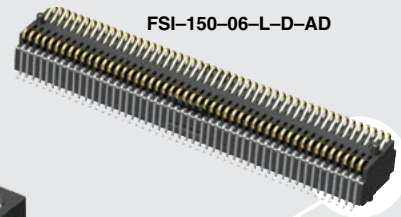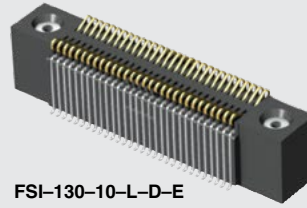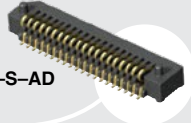Some lengths, styles and options are non-standard, non-returnable.

Other Solutions

Low Profile
See SEI Series.

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

FSI	-	1	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
= 10 µ" (0.25 µm) Gold
(–03 only)

–L
= 10 µ" (0.25 µm) Gold on contact, Matte Tin on tail
(Not available with –03 body height)

(No. of positions x (1.00) .03937) + (0.76) .030

01

B

02

(0.36) .014

(0.89) .035

(8.22) .324

(0.64) .025 TYP

–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)

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

(1.40) .055

(1.00) .03937

(0.15) .006

A

Short Version

(1.07) .042 DIA

–03–AD Shown

(1.40) .055

Double Row Version –03, –06, –10

(72.09) 2.838

(32.62) 1.284

Insert Option (50 pins/row)

FSI-120-06-L-S-AD

FSI-120-03-G-S-AD

FSI-150-06-L-D-AD

FSI-130-10-L-D-E

Single or double row

Choice of board stacking profiles

Optional alignment pins on top and bottom

Short version or optional threaded inserts
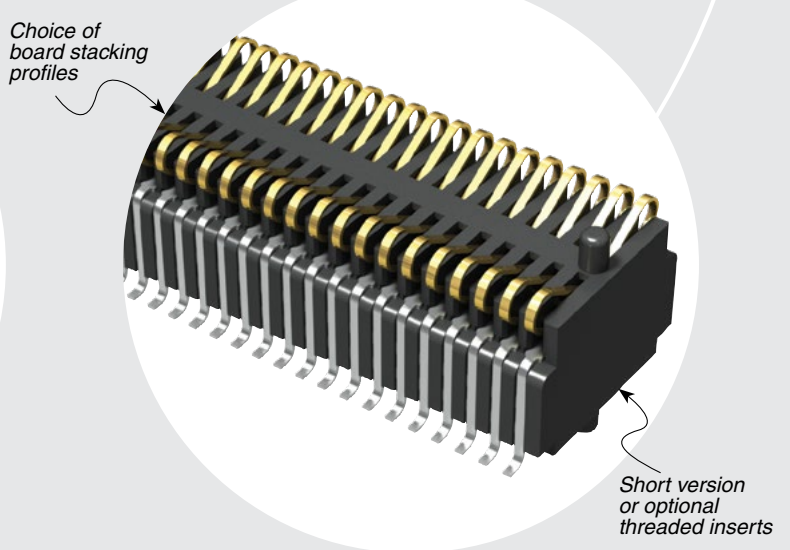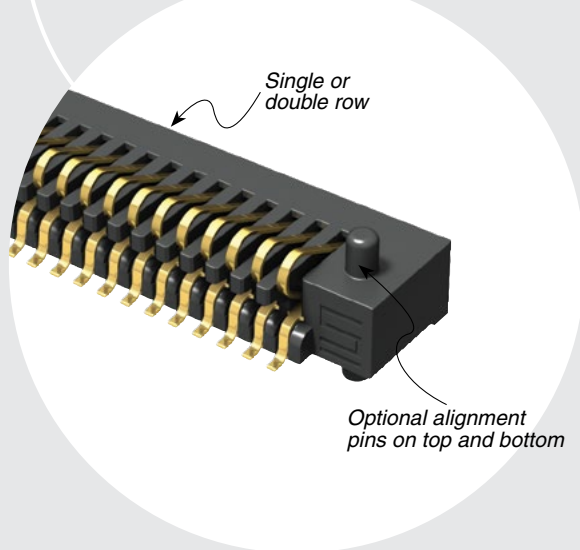
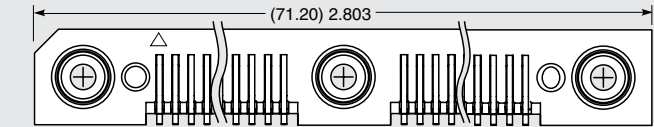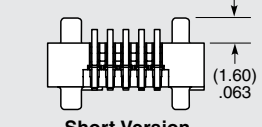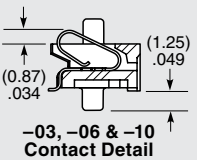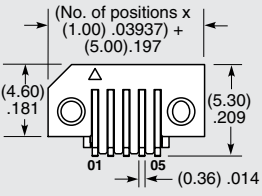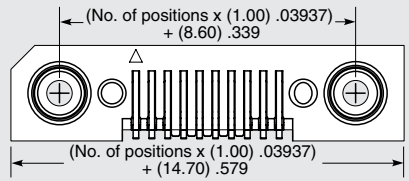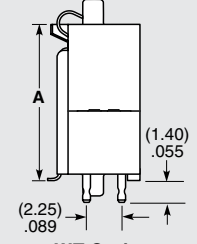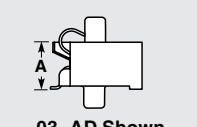| ROW OPTION	INSERT OPTION	ALIGNMENT OPTION	OTHER OPTION
–S = Single Row (Available with 5, 10 & 20 pins with –AD alignment pin) **–D** = Double Row	**Leave blank for Short Version** (No screw down inserts or holes) **–E** = #2-56 x 1/16" screw thread **–M** = 2.00 mm x 0.40 mm screw thread	**Leave blank for no Alignment Pin** **–AD** = Alignment Pin Top & Bottom	**–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 **–FR** = Full Reel Tape & Reel (must order maximum quantity per reel; contact Samtec for quantity breaks)

(71.20) 2.803

Insert Option (50 pins/row)

(No. of positions x (1.00) .03937) + (5.00) .197

(4.60) .181

(5.30) .209

01   05

(0.36) .014

(0.87) .034

(1.25) .049

–03, –06 & –10 Contact Detail

(1.60) .063

Short Version

A

–03–AD Shown

A

(1.40) .055

(2.25) .089

–WT Option (–06 & –10 Body only)

Single Row Version –03, –06, –10

(No. of positions x (1.00) .03937) + (8.60) .339

(No. of positions x (1.00) .03937) + (14.70) .579

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

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