

(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

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)

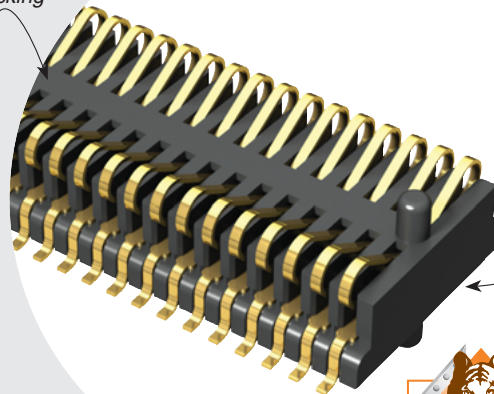
Compression Board:

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



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
= 10µ" (0,25 µm) Gold
(—03 only)

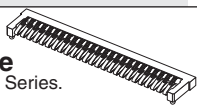
—L
= 10µ" (0,25 µm)
Gold on contact,
Matte Tin on tail
(Not available with
—03 body height)

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

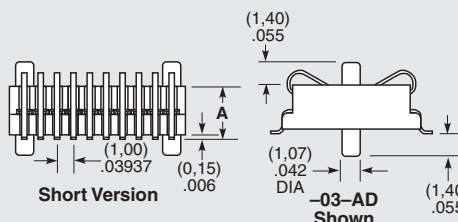
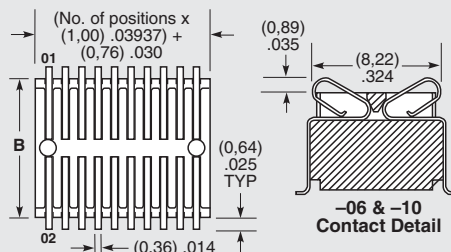
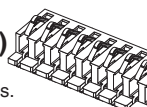
Note: Some lengths, styles and options are non-standard, non-returnable.

Other Solutions

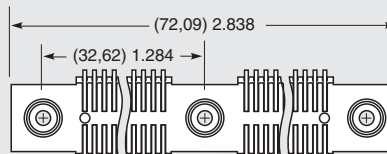
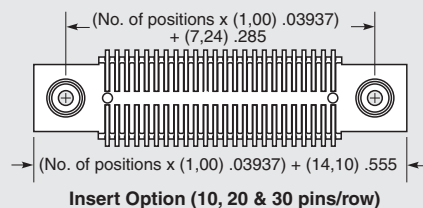
Low Profile
See SEI Series.



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

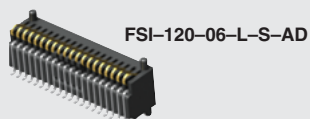


Double Row Version —03, —06, —10

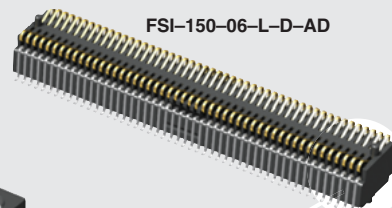
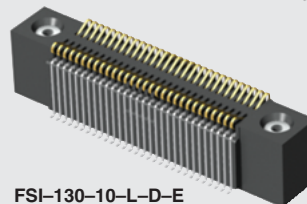
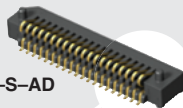


Insert Option (50 pins/row)

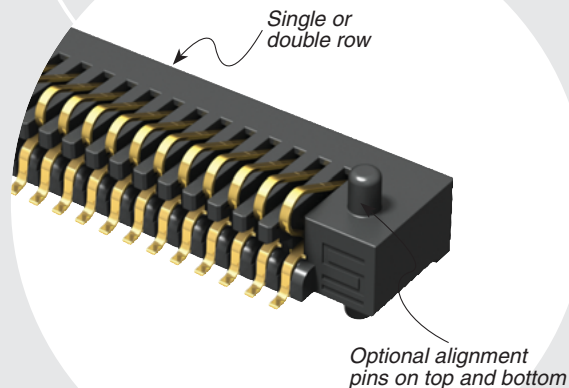
BODY HEIGHT	A	B
—03	(3,00) .118	(8,76) .345
—06	(6,00) .236	(9,02) .355
—10	(10,00) .394	(9,02) .355



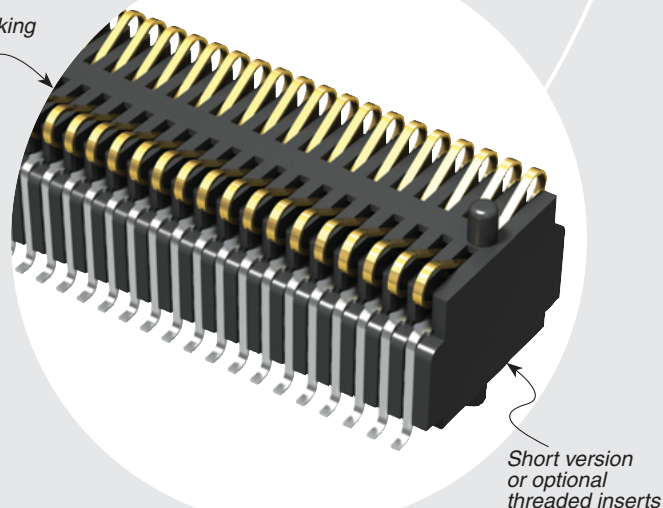
FSI-120-03-G-S-AD



FSI SERIES



Choice of board stacking profiles



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

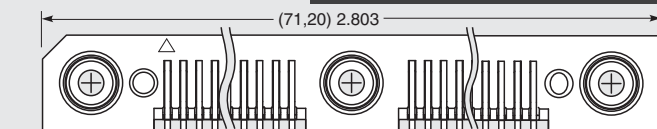
OTHER OPTION

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

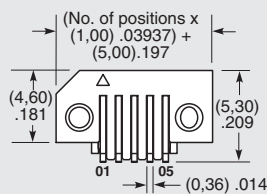
-K
= Polyimide Film Pick & Place Pad
(50 position with threaded insert option only)

-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

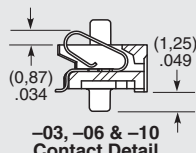


Insert Option (50 pins/row)



Short Version

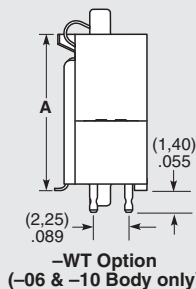
Single Row Version -03, -06, -10



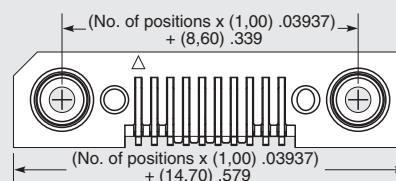
-03, -06 & -10 Contact Detail



-03-AD Shown



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



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