

(1,00 mm) .0394"

FSI SERIES

SPECIFICATIONS

For complete specifications and recommended PCB layouts see www.samtec.com?FSI

Insulator Material:

Liquid Crystal

Polymer

Contact Material:

BeCu

Current Rating:

2.4A per contact

@ 80°C ambient

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:

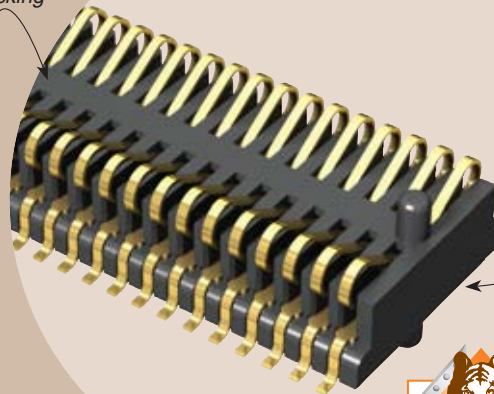
Gold Pads required



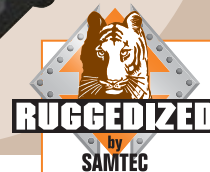
APPLICATION SPECIFIC OPTION

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

Choice of board stacking profiles



Short version or optional threaded inserts



• Threaded insert option

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

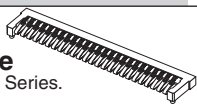
—G
= 10µ" (0,25 µm) Gold
(—03 only)
—L
= 10µ" (0,25 µm)
Gold on contact,
Matte Tin on tail
(Not available with
—03 body height)

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

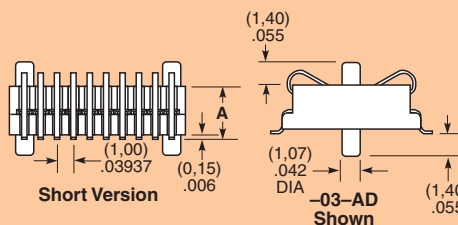
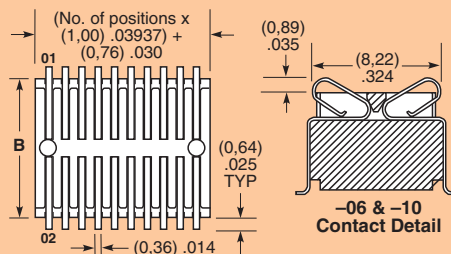
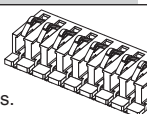
Note: Some lengths, styles and options are non-standard, non-returnable.

Also Available

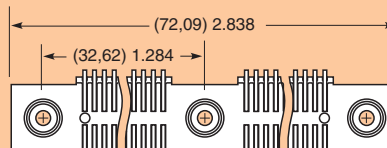
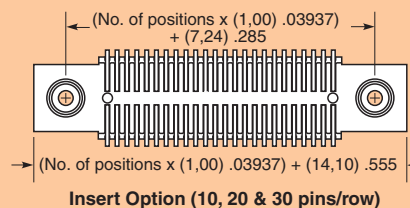
Low Profile
See SEI Series.



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



Double Row Version —03, —06, —10



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

Note: Other Gold plating options available. Contact Samtec.

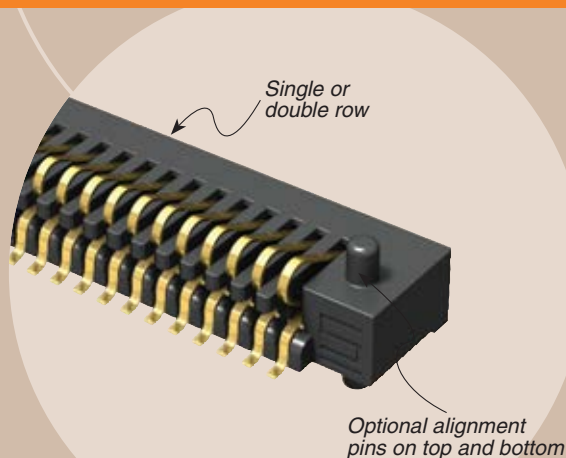
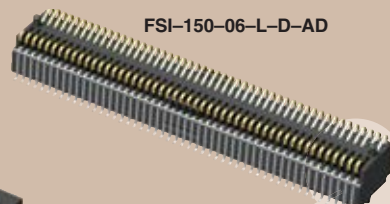
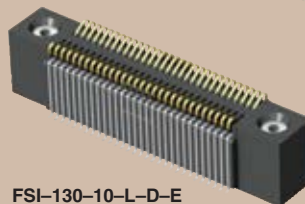
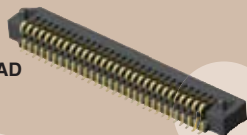
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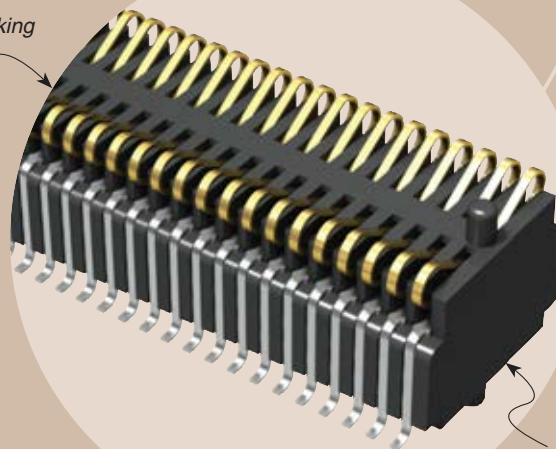
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FSI-130-03-G-S-AD



Choice of board stacking profiles



Short version or optional threaded inserts

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

ALIGNMENT OPTION

Leave blank for no Alignment Pin

-AD
= Alignment Pin Top & Bottom

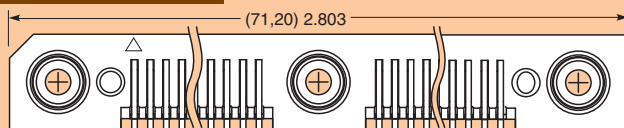
OTHER OPTION

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

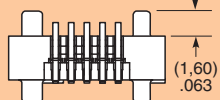
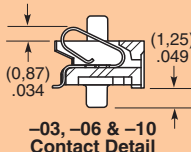
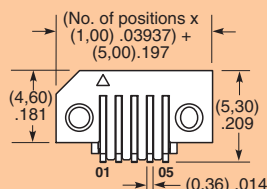
-K
= Polyimide Film Pick & Place Pad
(50 position with threaded insert option only)

-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)

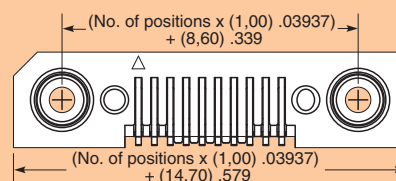
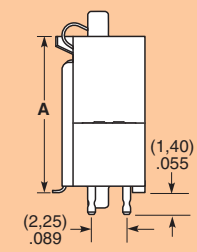
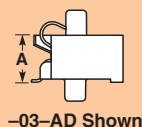
-TR
= Tape & Reel Packaging



Insert Option (50 pins/row)



Short Version



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

Single Row Version -03, -06, -10

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