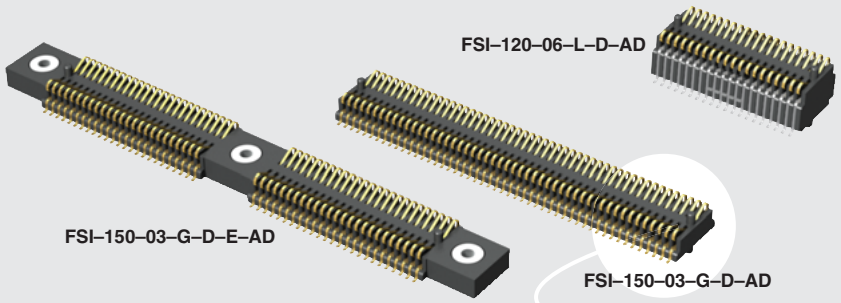
samtec



(1,00 mm) .0394"

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

RECOGNITIONS

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

FILE NO. E111594

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

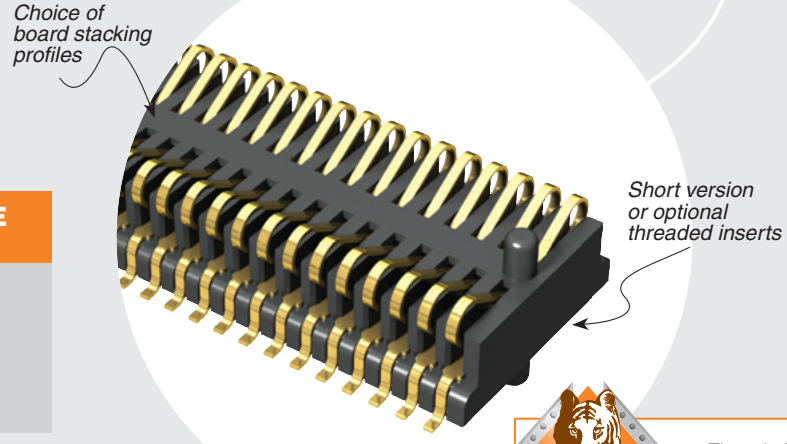
Low Profile
See SEI Series.

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

ALSO AVAILABLE
(MOQ Required)

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

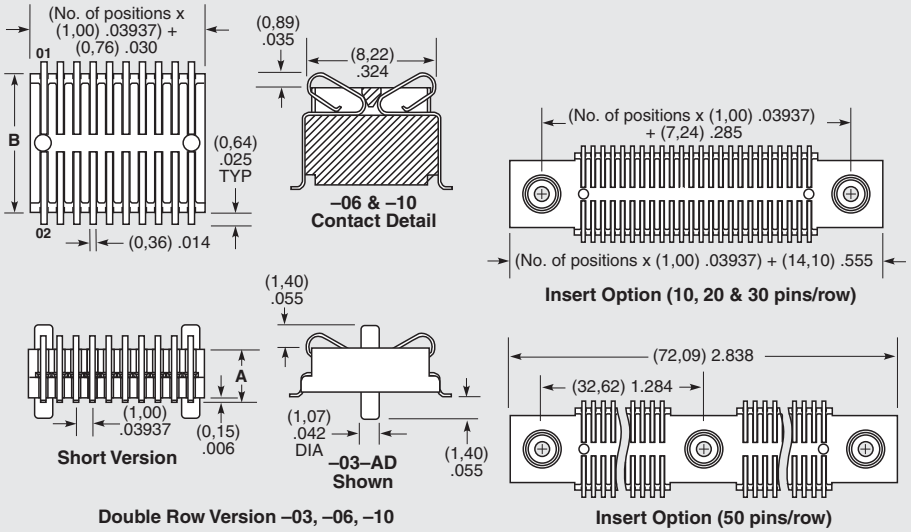
Contact Samtec.



RUGGEDIZED by SAMTEC

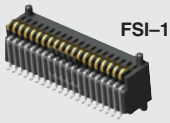
- Threaded insert option

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)

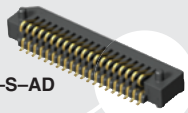


BODY HEIGHT	A	B
–03	(3,00) .118	(8,76) .345
–06	(6,00) .236	(9,02) .355
–10	(10,00) .394	(9,02) .355

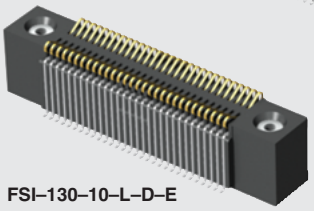
Due to technical progress, all designs, specifications and components are subject to change without notice.



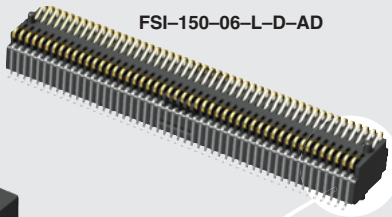
FSI–120–06–L–S–AD



FSI–120–03–G–S–AD

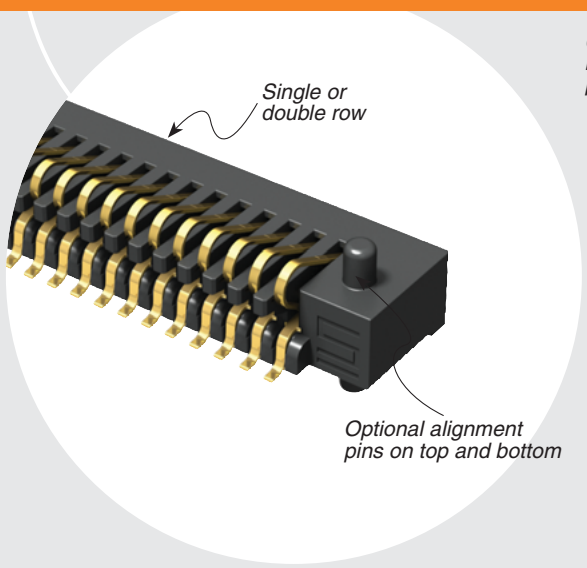


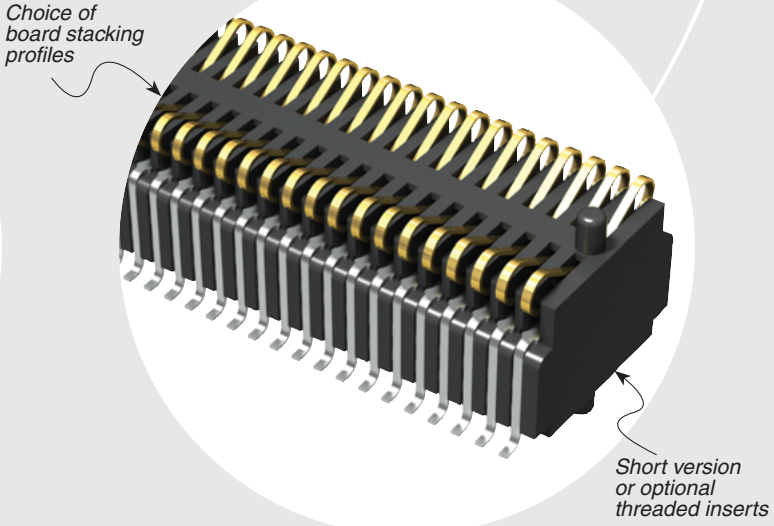
FSI–130–10–L–D–E



FSI–150–06–L–D–AD

FSI SERIES





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

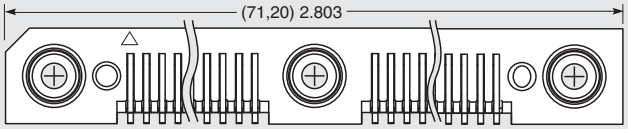
OTHER OPTION

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

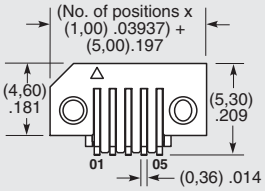
–K
= Polyimide Film Pick & Place Pad
(50 position with threaded insert option only)

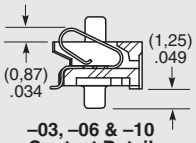
–P
= Plastic Pick & Place Pad
(5,08 mm) .200" x (12,45 mm) .490"
(50 not available with –E)
(Not available with –S row option or –03 body height)

–TR
= Tape & Reel Packaging

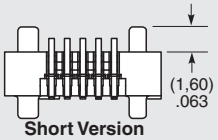


Insert Option (50 pins/row)

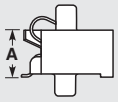




–03, –06 & –10 Contact Detail

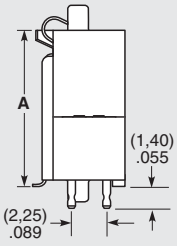


Short Version

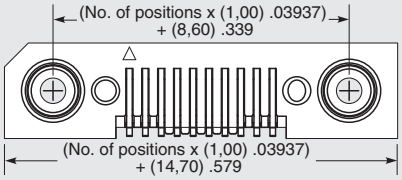


–03–AD Shown

Single Row Version –03, –06, –10



–WT Option
(–06 & –10 Body only)



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

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