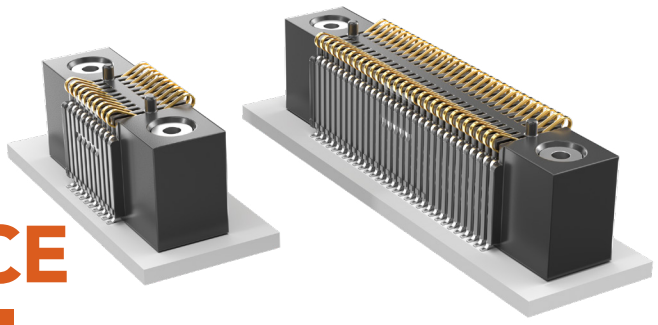
LOW PROFILE AND ELEVATED ONE-PIECE



(1.00 mm) .0394" PITCH • FSI SERIES

SPECIFICATIONS

Insulator Material:
Liquid Crystal Polymer
Contact Material:
BeCu
Current Rating:
2.8 A per pin
(2 pins powered)
Voltage Rating:
220 VAC/311 VDC
Operating Temp Range:
-55 °C to +125 °C
Plating:
Au over 50 µ" (1.27 µm) Ni

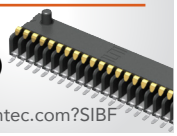
PROCESSING

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

OTHER SOLUTIONS

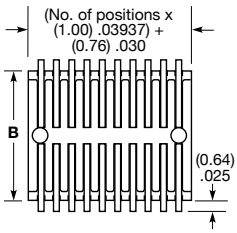


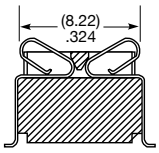
Low Profile
See www.samtec.com?SEI



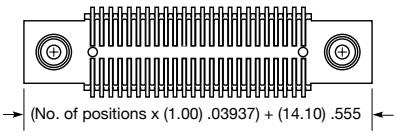
.050" (1.27 mm) Pitch
See www.samtec.com?SIBF

FSI	1	PINS PER ROW	BODY HEIGHT	PLATING OPTION	ROW OPTION	INSERT OPTION	ALIGNMENT OPTION	OTHER OPTION
		10, 20, 30, 50 (Insert/Screw Option) **05, 10, 20, 30, 50** (Short Version)	**–03** = 3 mm **–06** = 6 mm **–10** = 10 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)	**–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 max. quantity per reel; contact Samtec for quantity breaks)

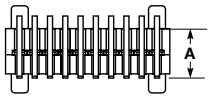




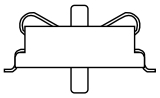
–06 & –10 Contact Detail



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

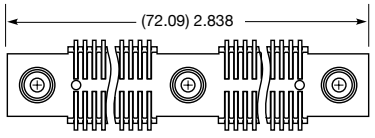


Short Version



–03–AD Shown

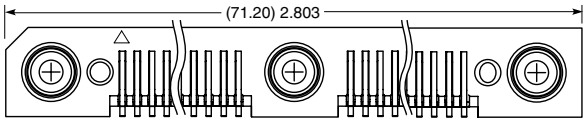
Double Row Version –03, –06, –10



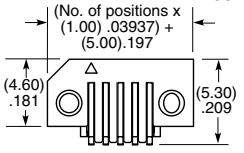
Insert Option (50 pins/row)

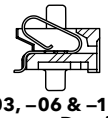
ALSO AVAILABLE
Contact Samtec

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

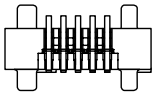


Insert Option (50 pins/row)

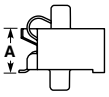




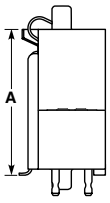
–03, –06 & –10 Contact Detail



Short Version

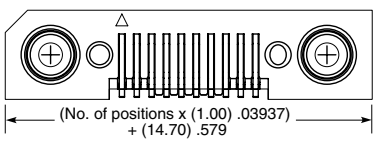


–03–AD Shown



-WT Option (–06 & –10 Body only)

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



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

Single Row Version –03, –06, –10

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.

Unless otherwise approved in writing by Samtec, all parts and components are designed and built according to Samtec's specifications which are subject to change without notice.