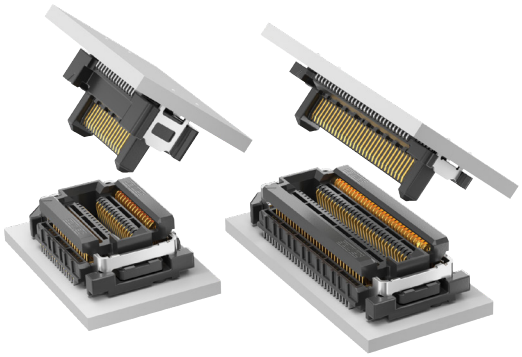
HIGH-SPEED FLOATING CONTACT SYSTEM



(0.50 mm) .0197" PITCH • FT5/FS5 SERIES

FT5
Mates:
FS5

FS5
Mates:
FT5

SPECIFICATIONS

Insulator Material:
Black Liquid Crystal Polymer
Contact Material:
Phosphor Bronze (FT5)
BeCu (FS5)
Weld Tab:
Phosphor Bronze
Plating:
Au or Sn over
50 µ" (1.27 µm) Ni
Current Rating:
1.8 A per pin
(2 pins powered)
Voltage Rating:
180 VAC/255 VDC
Operating Temp Range:
-55 °C to +125 °C
Lead-Free Solderable:
Yes

MATED HEIGHT *

FS5 LEAD STYLE	FT5 LEAD STYLE	
	-01.0	-03.0
-04.0	(5.00 mm) .197"	(7.00 mm) .276"

*Processing conditions will affect mated height.

FT5	–	NO. OF POSITIONS	–	LEAD STYLE	–	PLATING OPTION	–	ROW OPTION	–	TH	–	OPTION

–15, –30
(Per Row)

–01.0
= 1 mm Body Height

–03.0
= 3 mm Body Height

–01
= Right-angle

–L
= 10 µ" (0.25 µm) Gold on contact, Matte Tin on tail

–DV
= Vertical

–RA
= Right-angle

Leave blank for –RA

–TH
= Through-hole weld tab

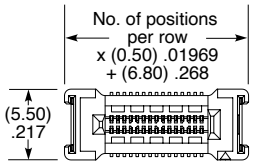
Required callouts

–P
= Pick & Place Pad (–DV only)

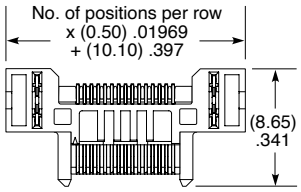
–K
= (5.00 mm) .197" DIA Polyimide Film Pick & Place Pad (–RA only)

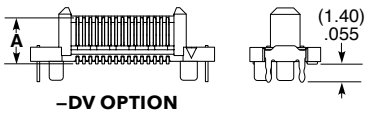
–TR
= Tape & Reel

–FR
= Full Reel Tape & Reel (must order max. quantity per reel; contact Samtec for quantity breaks)

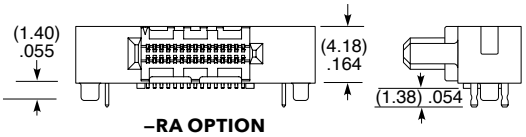


LEAD STYLE	A
–01.0	(3.72) .146
–03.0	(5.72) .225





–DV OPTION



–RA OPTION

FS5	–	NO. OF POSITIONS	–	LEAD STYLE	–	PLATING OPTION	–	DV	–	TH	–	K	–	XR

–15, –30
(Per Row)

–04.0
= 4 mm Body Height

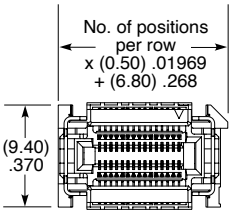
–L
= 10 µ" (0.25 µm) Gold on contact, Matte Tin on tail

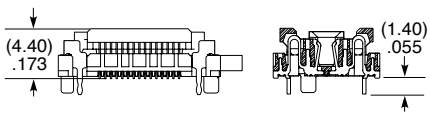
–TH
= Through-hole weld tab

–K
= (8.25 mm) .325" DIA Polyimide Film Pick & Place Pad

–TR
= Tape & Reel

–FR
= Full Reel Tape & Reel (must order max. quantity per reel; contact Samtec for quantity breaks)





Notes:
Contact system provides float in X (0.50 mm) and Y (0.20 mm) directions.

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.