

(0.50 mm) .0197"

FT5, FS5 SERIES

# HIGH-SPEED FLOATING CONTACT SYSTEM

FT5 Mates with:

FS5

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FT5

## SPECIFICATIONS

For complete specifications and recommended PCB layouts see [www.samtec.com?FT5](http://www.samtec.com?FT5) or [www.samtec.com?FS5](http://www.samtec.com?FS5)

**Insulator Material:**

Black Liquid Crystal Polymer

**Contact Material:**

Phosphor Bronze (FT5)

BeCu (FS5)

**Weld Tab:**

Phosphor Bronze

**Plating:**

Au or Sn over

50  $\mu$ " (1.27  $\mu$ m) Ni**Current Rating:**

1.8 A per pin

(2 pins powered)

**Operating Temp Range:**

-55 °C to +125 °C

**RoHS Compliant:**

Yes

**Lead-Free Solderable:**

Yes

## RECOGNITIONS

For complete scope of recognitions see [www.samtec.com/quality](http://www.samtec.com/quality)



FILE NO. E111594

## MATED HEIGHT

MATED HEIGHT*		
FS5 LEAD STYLE	FT5 LEAD STYLE	
	-01.0	-03.0
-04.0	(5.00) .197	(7.00) .276

\*Processing conditions will affect mated height.

**Note:** Floating contact system provides 0.50 mm float in X and Y directions.

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

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						
<div><p>No. of positions per row x (0.50) .01969 + (6.80) .268</p><p>(5.50) .217</p><p>(0.50) .01969</p><p>(0.65) .026</p><p>(1.27) .050</p><p>(0.20) .008</p><p>No. of positions per row x (0.50) .01969 + (5.58) .219</p><p>(1.40) .055</p><p>(2.60) .102</p><table><tr><th>LEAD STYLE</th><th>A</th></tr><tr><td>-01.0</td><td>(3.72) .146</td></tr><tr><td>-03.0</td><td>(5.72) .225</td></tr></table></div> <div><p>No. of positions per row x (0.50) .01969 + (10.10) .397</p><p>(0.20) .008</p><p>(3.10) .122</p><p>(4.00) .157</p><p>(8.65) .341</p><p>(0.50) .01969</p><p>(0.20) .008</p><p>No. of positions per row x (0.50) .01969 + (8.00) .315</p><p>(4.18) .164</p><p>(1.38) .054</p><p>(2.25) .089</p></div>							LEAD STYLE	A	-01.0	(3.72) .146	-03.0	(5.72) .225
LEAD STYLE	A											
-01.0	(3.72) .146											
-03.0	(5.72) .225											
<div>-DV OPTION</div> <div>-RA OPTION</div>												

FS5	NO. OF POSITIONS	LEAD STYLE	PLATING OPTION	DV	TH	K	TR
	-15, -30 (Per Row)	-04.0 = 4 mm Body Height	-L = 10 $\mu$ " (0.25 $\mu$ m) 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	

## ALSO AVAILABLE (MOQ Required)

- Other lead counts
  - Surface mount weld tab
- Contact Samtec.

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

[WWW.SAMTEC.COM](http://WWW.SAMTEC.COM)

All parts within this catalog are built to Samtec's specifications.  
Customer specific requirements must be approved by Samtec and identified in a Samtec customer-specific drawing to apply.