

Series: FS5/FT5

Description: High Speed Floating Contact, Board-to-Board, 5mm Stack Height, 0.5mm Pitch,

Connector Overview

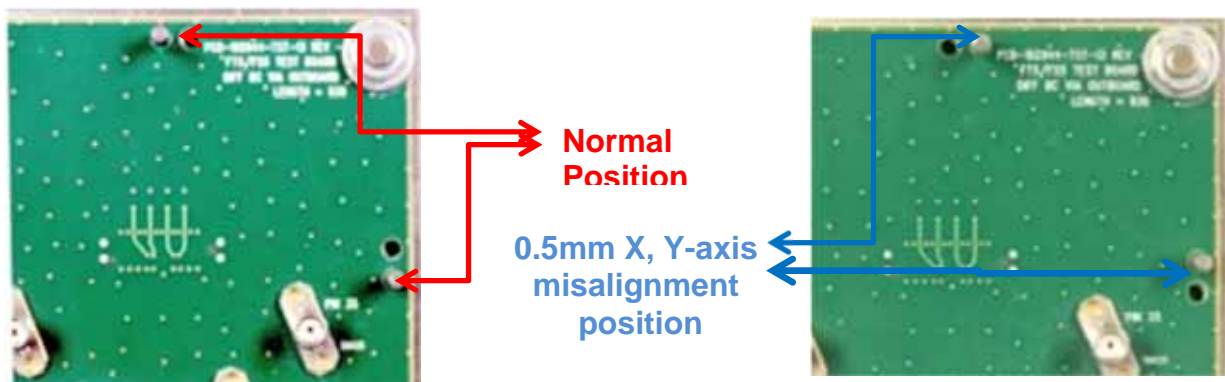
Samtec's FS5/FT5 Interconnect System contacts float 0.5mm on the X and Y axis. The system minimizes misalignment and is ideal for multiple connector board-to-board applications. The connector system features either 15 or 30 contacts per row and is available in 5mm and 7mm stack heights. The data in this report is applicable only to the 5mm stack height.

Since the contact system floats, there is a potential for variance in the electrical performance. To track the possible changes in electrical performance, tests are performed in a normal mating position and again after the system is floated to the maximum .5mm X and .5mm Y misalignment position.

*The normal mating position of the connector is referred to as "Case 1"

*The maximum 0.5mm X and Y misalignment positions are referred to as "Case 2"

The normal and misalignment positions are illustrated in the following figures.



Connector System Speed Rating

FS5/FT5 Floating Contact Strip, 5mm Stack Height Board-to-Board, 0.5mm Pitch,

<u>Case</u>	<u>Signaling</u>	<u>Speed Rating</u>
1	Single-Ended:	6 GHz/ 12Gbps
	Differential:	6 GHz/ 12Gbps
2	Single-Ended:	6 GHz/ 12Gbps
	Differential:	6 GHz/ 12Gbps

The Speed Rating is based on the -3 dB insertion loss point of the connector system. The -3 dB point can be used to estimate usable system bandwidth in a typical, two-level