

Series: SIBF

Description: High Speed One Piece Interface, 1.27mm Pitch, 3mm Stack Height

Connector Overview

The 1.27 mm (0.050”) pitch SIBF High Speed One Piece Interface is a system ideal for rugged applications. SIBF is a single row contact system available with 3 to 30 contacts that are surface mount on one side and compression mated to pads on the other. Stack height is 3mm (0.118”).

Connector System Speed Rating

High Speed SIBF One Piece Interface, Board-to-Board, 1.27mm (.050”) Pitch, 3mm (0.118”) Stack Height

<u>Signaling</u>	<u>Speed Rating</u>
Single-Ended:	7.0 GHz/ 14.0 Gbps
Differential:	7.5 GHz/ 15.0 Gbps

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 signaling environment.

To calculate the Speed Rating, the measured -3 dB point is rounded-up to the nearest half-GHz level. The resulting loss value is then doubled to determine the approximate maximum data rate in Gigabits per second (Gbps).

For example, a connector with a -3 dB point of 7.8 GHz would have a Speed Rating of 8 GHz/ 16 Gbps. A connector with a -3 dB point of 7.2 GHz would have a Speed Rating of 7.5 GHz/ 15 Gbps.