

**Series:** SAL1 (Qty=2)

**Description:** Perpendicular Board-to-Board, 1.0mm Pitch, Edge Card Bottom Entry

## Connector Overview

SAL1 high speed micro plane 1.0mm (.0394") pitch interfaces mount in pairs and provide a top or bottom edge card entry for easy signal routing. The interface accepts either 1.60mm (.062") or 2.40mm (.093") thickness edge cards. The edge card can be mated with the SAL1 either from the top or the bottom. The data in this report is applicable only to bottom entry mount utilizing a 1.60mm (.062") thick edge card.

## Connector System Speed Rating

1.60mm (.062") Edge Card to Micro Plane Interface, 1.0mm Pitch, Bottom Entry, Right Angle

<u>Signaling</u>	<u>Speed Rating</u>
Single-Ended:	<b>8.5 GHz / 17 Gbps</b>
Differential:	<b>10.0 GHz / 20 Gbps</b>

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 up-rounding corrects for a portion of the test board's trace loss, since trace losses are included in the loss data in this report. 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.