

Series: MEC8

Description: Mini Edge Card Vertical Socket, 0.8mm Pitch, Mates with 1.6mm thick cards

Connector Overview

The MEC8 series is a double row structure, high-speed mini edge-card socket connector on a 0.8mm (0.0315") pitch and available up to 140 pins polarized. The MEC8 connector is available in a vertical, right angle or edge-card mount style. The MEC8 accepts 1.6mm (0.062") thick cards.

The data in this report is applicable only to MEC8 double row vertical surface-mount connector mates to 1.6mm thick cards.

Connector System Speed Rating

MEC8 Mini Edge-Card Series, 0.8mm Pitch, mates to 1.6mm thick card

<u>Signaling</u>	<u>Speed Rating</u>
Single-Ended:	8.5GHz/ 17Gbps
Differential:	8GHz/ 16Gbps

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 a short length of trace loss 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.