

Series: MEC2-DV

Description: Edge Card Socket, Vertical, Surface Mount, 2mm Pitch, 1.6mm Load Card

Connector Overview

The 2mm (.0787") pitch MEC2 series edge-card connector is a dual row connector with up to 50 contacts per row. The MEC2 connector is available in a vertical oriented, surface mount style, and can accept 1.6mm (0.062") and 2.36mm (0.093") load cards. The data in this report is applicable to the 1.60mm (.062") thick load card.

Connector System Speed Rating

MEC2 Series, 2mm(.0787") pitch interfaces, vertical surface mount

Signaling

Single-Ended:

Differential:

Speed Rating

12.5GHz/ 25Gbps

14.5GHz/ 29Gbps

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.