

Series: MEC5-DV

Description: High Speed Mini Edge Card Connector, Vertical, SMT Tails,
0.5mm (.0197") Pitch, Mates with 1.60mm (.062") thick cards

Connector Overview

The MEC5-DV series is a double row, mini edge-card socket connector on a 0.5mm (.0197") pitch and available up to 160 pins. The data in this report is applicable only to MEC5-DV socket connector mated to 1.6mm thick card.

Connector System Speed Rating

MEC5-DV Series, 0.5mm (.0197") Pitch Interface, Vertical Surface

<u>Signaling</u>	<u>Speed Rating</u>
Differential(85 Ohm):	20GHz
Differential(100 Ohm):	20GHz

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.

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