Series: ERF8/ERM8
Description: 0.8mm (0.0315") Pitch, Edge Mount Male (-EM) to Vertical Female (-DV)

Connector Overview

Edge Rate Strip Series 0.8mm (0.0315") pitch interfaces (ERF8/ERM8 Series) are available in 5, 10, 11, 13, 20, 25, 30, 35, 40, 49, 50, 60, 70, 75 and 100 positions per row. ERF8/ERM8 series connecter styles include double row vertical, right angle and edge-mount styles. The data in this report is applicable only to the double row vertical female connector mated to a male edge mount style 0.062" PCB connector.

Connector System Speed Rating

ERF8-DV/ERM8-EM2 Edge Rate Series, 0.8mm (0.0315") Pitch, Double Row Vertical style mated with a 0.062" PCB Edge Mount Series style.

Signaling	Speed Rating
Single-Ended:	**13.5GHz/ 27Gbps**
Differential:	**14GHz/ 28Gbps**

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.