

Series: FTMH/ CLM

Description: Micro Terminal/Socket Strip, 1.00mm Pitch, 4.06mm (0.160") Stack Height

Connector Overview

Micro Terminal Strip series (FTMH) are capable of mating to SMT Micro Socket Strip series (CLM) and SMT Socket Strip series (MLE). FTMH and CLM are available with up to 100 pins. The mated connector achieves up to 100 I/Os with 4.06mm (0.160") stack height. The data in this report is applicable only to the FTMH mates to CLM.

Connector System Speed Rating

FTMH/ CLM SMT Micro Strip, 1.00mm Pitch, 4.06 mm (0.160") stack height

Signaling

Speed Rating

Single-Ended:

12.5GHz/ 25Gbps

Differential:

19.5GHz/ 39Gbps

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.