

Series: TSM / HLE

Description: Surface Mount Terminal Strip 2.54mm Pitch, 7.47 mm (0.294") stack height

Connector Overview

Surface Mount Terminal Strip series (TSM) are capable of mating to SSW, BCS, SSM, IDSS, IDSD, SLW, CES and HLE series. TSM and Socket Strip (HLE) are available with up to 72 pins for TSM series and 100 pins for HLE series. The mated connector achieves up to 72 I/Os with 7.47mm (0.294") stack height. The data in this report is applicable only to the TSM mates to HLE.

Connector System Speed Rating

TSM/HLE Surface Mount Strip 2.54mm Pitch, 7.47 mm (0.294") stack height

Signaling

Speed Rating

Single-Ended:

4.5GHz/ 9Gbps

Differential:

13.5GHz/ 27Gbps

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.