

**Series:** FTE/CLE

**Description:** Surface Mount, 0.8mm (.0315") Pitch, 5mm (0.197") Stack Height

## Connector Overview

Micro 0.8mm (.0315") pitch, low profile socket & terminal strip connectors are available with up to 90 contacts per row. The CLE/FTE series is surface mount, offers a double row option and includes gold plating. Data presented in this report is applicable only to the 5mm stack height CLE/FTE connector series.

## Connector System Speed Rating

CLE/FTE Connector Series, 0.8mm (.0315") Pitch, Surface Mount, Double Row, Gold Plating, Cost Effective, Ideal for pass through applications

### Signaling

### Speed Rating

Single-Ended:

**8.5GHz / 17Gbps**

Differential:

**9.0GHz / 18Gbps**

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 trace losses are 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.