

Series: TEM-DH/SEM

Description: Micro Tiger Eye™ Board-to-Board, 0.8mm Pitch, Right Angle

Connector Overview

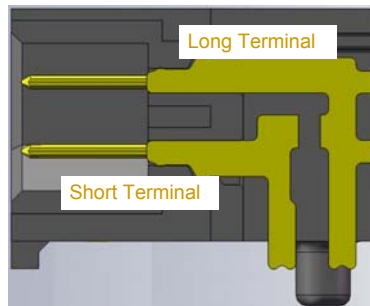
Micro Tiger Eye™ Terminal Strip series (TEM-DH) are capable of mating to Micro Tiger Eye™ Socket Strip series (SEM) and Tiger Eye™ Contact, Friction Lock Socket Strip series (SEML). TEM-DH and SEM are available with up to 100 I/Os. The data in this report is applicable only to the TEM-DH mated to SEM.

This is a two terminal type right angle connector and each terminal has slightly different performance that is documented in this report. The terminology used in this report to define which connector terminal is as follows:

*The short terminal of the connector is referred to as “Case 1”

*The long terminal of the connector is referred to as “Case 2”

This is illustrated in the following figure.



Connector System Speed Rating

TEM-DH/SEM Series Micro Tiger Eye™ Board-to-Board,0.8mm Pitch, Right Angle

<u>Case</u>	<u>Signaling</u>	<u>Speed Rating</u>
1 (Short Row)	Single-Ended:	13 GHz/ 26Gbps
	Differential:	17.5 GHz/ 35Gbps
2 (Long Row)	Single-Ended:	14 GHz/ 28Gbps
	Differential:	20 GHz/ 40Gbps

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.