

Series: QRM8-RA/QRF8-RA Q Rate® Slim Body Integral Ground Plane

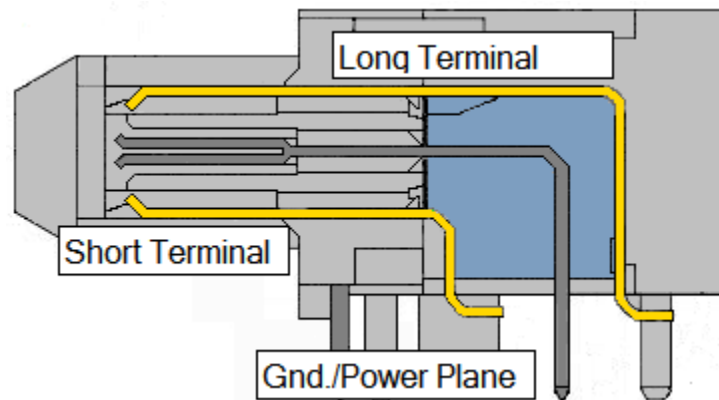
Description: Right Angle-to-Right Angle, 0.8mm (.0315") Pitch

Connector Overview

Samtec's QRM8-RA/QRF8-RA Q Rate® Slim Body Low Profile connectors are designed for high-speed applications where signal integrity is essential. The connectors employ Rugged Edge Rate™ contacts with an integrated ground/power plane between the two rows of signals contacts for improved electrical performance. QRM8-RA/QRF8-RA is available with up to 156 I/O's contacts.

Data presented in this report is applicable only to a mated QRM8-RA to QRF8-RA connector system. The right angle connectors consist of two terminal paths, but unlike most Samtec design's, these paths are not symmetric. Therefore, performance characteristics between the two signal path lengths will differ. Short terminal characteristics are defined as Case 3. Long terminal characteristics are defined as Case 4.

The illustration below defines the performance paths:



Connector System Speed Rating

QRM8-RA/QRF8-RA, Q Rate® Slim Body, 0.8mm Pitch, Right Angle to Right Angle

<u>Case</u>		<u>Signaling</u>	<u>Speed Rating</u>
3	(Short Terminal)	Single-Ended:	14.5 GHz/ 29Gbps
		Differential:	16.0 GHz/ 32Gbps
4	(Long Terminal)	Single-Ended:	9.0 GHz/ 18Gbps
		Differential:	13.0 GHz/ 26Gbps