

Series: QTH-RA/QSH-RA

Description: Q Strip® High Speed Ground Plane Terminal/Socket Strip, Coplanar Board-to- Board, 0.5mm (.0197") Pitch

Frequency Domain Data Summary

Table 1 – Single-Ended Connector System Performance

Test Parameter	Configuration	Case	Threshold Limits
Insertion Loss	GSG	Long Row	3dB @ 3.8 GHz
		Short Row	3dB @ 6.8 GHz
Return Loss	GSG	Long Row	>10dB to 1.1 GHz
		Short Row	>10dB to 6.1 GHz
Near-End Crosstalk	GAQG	Long Row	< -20dB to 0.2 GHz
		Short Row	< -20dB to 0.3 GHz
	GAGQG	Long Row	< -20dB to 3.2 GHz
		Short Row	< -20dB to 4.1 GHz
Xrow, GAG to GQG	-	< -20dB to 20.0 GHz	
Far-End Crosstalk	GAQG	Long Row	< -20dB to 1.4 GHz
		Short Row	< -20dB to 2.7 GHz
	GAGQG	Long Row	< -20dB to 2.0 GHz
		Short Row	< -20dB to 2.3 GHz
Xrow, GAG to GQG	-	< -20dB to 20.0 GHz	

Table 2 – Differential Connector System Performance

Test Parameter	Configuration	Case	Threshold Limits
Insertion Loss	GSSG	Long Row	3dB @ 3.3 GHz
		Short Row	3dB @ 6.4 GHz
Return Loss	GSSG	Long Row	>10dB to 0.4 GHz
		Short Row	>10dB to 0.9 GHz
Near-End Crosstalk	GAAQQG	Long Row	< -20dB to 13.5 GHz
		Short Row	< -20dB to 5.3 GHz
	GAAGQQG	Long Row	< -20dB to 13.8 GHz
		Short Row	< -20dB to 13.1 GHz
Xrow, GAAG to GQQG	-	< -20dB to 20.0 GHz	
Far-End Crosstalk	GAAQQG	Long Row	< -20dB to 5.8 GHz
		Short Row	< -20dB to 12.2 GHz
	GAAGQQG	Long Row	< -20dB to 20.0 GHz
		Short Row	< -20dB to 20.0 GHz
Xrow, GAAG to GQQG	-	< -20dB to 20.0 GHz	

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Bandwidth Chart – Single-Ended & Differential Insertion Loss

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