

Series: QMS-RA/QFS (-04.25 lead style)

Description: Q2™ High-Speed Rugged Ground Plane Terminal/Socket Strip, 0.635mm Pitch,
Right Angle to Vertical Board-to-Board

Frequency Domain Data Summary

Table 1 - Single-Ended Connector System Performance			
Case 1 = Short Row; Case 2 = Long Row			
Case	Test Parameter	Configuration	
1	Insertion Loss	GSG	3dB@ 7.8 GHz
	Return Loss	GSG	>10dB to 5.7 GHz
	Near-End Crosstalk	GAQG	<-20dB to 0.5 GHz
		GAGQG	<-20dB to 6.3 GHz
		Xrow, GAG to GQG	<-20dB to 20 GHz
	Far-End Crosstalk	GAQG	<-20dB to 7.7 GHz
		GAGQG	<-20dB to 10.7 GHz
Xrow, GAG to GQG		<-20dB to 20 GHz	
2	Insertion Loss	GSG	3dB@ 9.6 GHz
	Return Loss	GSG	>10dB to 5.1 GHz
	Near-End Crosstalk	GAQG	<-20dB to 0.4 GHz
		GAGQG	<-20dB to 16.6 GHz
	Far-End Crosstalk	GAQG	<-20dB to 6.2 GHz
		GAGQG	<-20dB to 12.4 GHz

Table 2 - Differential Connector System Performance			
Case 1 = Short Row; Case 2 = Long Row			
Case	Test Parameter	Configuration	
1	Insertion Loss	GSSG	3dB@ 7.2 GHz
	Return Loss	GSSG	>10dB to 1.3 GHz
	Near-End Crosstalk	GAAQQG	<-20dB to 2.4 GHz
		GAAGQQG	<-20dB to 20 GHz
		Xrow, GAAG to GQQG	<-20dB to 20 GHz
	Far-End Crosstalk	GAAQQG	<-20dB to 20 GHz
		GAAGQQG	<-20dB to 20 GHz
Xrow, GAAG to GQQG		<-20dB to 20 GHz	
2	Insertion Loss	GSSG	3dB@ 10.7 GHz
	Return Loss	GSSG	>10dB to 0.8 GHz
	Near-End Crosstalk	GAAQQG	<-20dB to 6.6 GHz
		GAAGQQG	<-20dB to 20 GHz
	Far-End Crosstalk	GAAQQG	<-20dB to 14 GHz
		GAAGQQG	<-20dB to 20 GHz

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Bandwidth Chart – Single-Ended & Differential Insertion Loss

Case 1 = Short Row; Case 2 = Long Row

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