

Series: QFS-RA/QMS (-06.75 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@ 16.3 GHz
	Return Loss	GSG	>10dB to 5.9 GHz
	Near-End Crosstalk	GAQG	<-20dB to 0.5 GHz
		GAGQG	<-20dB to 11.4 GHz
		Xrow, GAG to GQG	<-20dB to 20 GHz
	Far-End Crosstalk	GAQG	<-20dB to 7.7 GHz
		GAGQG	<-20dB to 11.3 GHz
Xrow, GAG to GQG		<-20dB to 20 GHz	
2	Insertion Loss	GSG	3dB@ 16.8 GHz
	Return Loss	GSG	>10dB to 4.3 GHz
	Near-End Crosstalk	GAQG	<-20dB to 0.4 GHz
		GAGQG	<-20dB to 9.5 GHz
	Far-End Crosstalk	GAQG	<-20dB to 7.3 GHz
		GAGQG	<-20dB to 13 GHz

Table 2 - Differential Connector System Performance			
Case 1 = Short Row; Case 2 = Long Row			
Case	Test Parameter	Configuration	
1	Insertion Loss	GSSG	3dB@ 18.2 GHz
	Return Loss	GSSG	>10dB to 1.8 GHz
	Near-End Crosstalk	GAAQQG	<-20dB to 2.3 GHz
		GAAGQQG	<-20dB to 20 GHz
		Xrow, GAAG to GQQG	<-20dB to 20 GHz
	Far-End Crosstalk	GAAQQG	<-20dB to 20GHz
		GAAGQQG	<-20dB to 20 GHz
Xrow, GAAG to GQQG		<-20dB to 20 GHz	
2	Insertion Loss	GSSG	3dB@ 19.7 GHz
	Return Loss	GSSG	>10dB to 1.2 GHz
	Near-End Crosstalk	GAAQQG	<-20dB to 1.8 GHz
		GAAGQQG	<-20dB to 20 GHz
	Far-End Crosstalk	GAAQQG	<-20dB to 13.5 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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