

Series: ERF8-RA/ERM8-RA

Description: Edge Rate Series Board-to-Board, 0.8mm Pitch, Right Angle to Right Angle

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@ 14.6 GHz
	Return Loss	GSG	>10dB to 5.7 GHz
	Near-End Crosstalk	GAQG	<-20dB to 0.6 GHz
		GAGQG	<-20dB to 8.5 GHz
		Xrow, GAG to GQG	<-20dB to 15.6 GHz
	Far-End Crosstalk	GAQG	<-20dB to 1.9 GHz
		GAGQG	<-20dB to 5.1 GHz
Xrow, GAG to GQG		<-20dB to 20 GHz	
2	Insertion Loss	GSG	3dB@ 11.7 GHz
	Return Loss	GSG	>10dB to 1.8 GHz
	Near-End Crosstalk	GAQG	<-20dB to 0.4 GHz
		GAGQG	<-20dB to 10.0 GHz
	Far-End Crosstalk	GAQG	<-20dB to 1.5 GHz
		GAGQG	<-20dB to 10 GHz

Table 2 - Differential Connector System Performance			
Case 1 = Short Row; Case 2 = Long Row			
Case	Test Parameter	Configuration	
1	Insertion Loss	GSSG	3dB@ 15.3 GHz
	Return Loss	GSSG	>10dB to 7.1 GHz
	Near-End Crosstalk	GAAQQG	<-20dB to 3.6 GHz
		GAAGQQG	<-20dB to 20.0 GHz
		Xrow, GAAG to GQQG	<-20dB to 20.0 GHz
	Far-End Crosstalk	GAAQQG	<-20dB to 17.1 GHz
		GAAGQQG	<-20dB to 20.0 GHz
Xrow, GAAG to GQQG		<-20dB to 20.0 GHz	
2	Insertion Loss	GSSG	3dB@ 12.6 GHz
	Return Loss	GSSG	>10dB to 11 GHz
	Near-End Crosstalk	GAAQQG	<-20dB to 16.7 GHz
		GAAGQQG	<-20dB to 20.0 GHz
	Far-End Crosstalk	GAAQQG	<-20dB to 16.8 GHz
		GAAGQQG	<-20dB to 20.0 GHz

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Bandwidth Chart – Single-Ended & Differential Insertion Loss

Case 1 = Short Row; Case 2 = Long Row

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