

Series: MEC8-RA Series

Description: Mini Edge Card Right Angle, 0.8mm Pitch, mates to 1.6mm thick card

Frequency Domain Data Summary

Table 1 - Single-Ended Connector System Performance					
Case 1 = Short Row; Case 2 = Long Row					
Case	Test Parameter	Configuration	Driver	Receiver	
1	Insertion Loss	GSG	Edge_Card_61	MEC8-RA_61	3dB@ 8.04 GHz
	Return Loss	GSG	Edge_Card_61	Edge_Card_61	>10dB to 4.9 GHz
	Near-End Crosstalk	GAQQG	Edge_Card_21	Edge_Card_23	<-20dB to 1.4 GHz
		GAGQG	Edge_Card_61	Edge_Card_65	<-20dB to 7 GHz
		Xrow, GAG to GQG	Edge_Card_61	Edge_Card_62	<-20dB to 6.8 GHz
	Far-End Crosstalk	GAQQG	Edge_Card_21	MEC8-RA_23	<-20dB to 5.5 GHz
		GAGQG	Edge_Card_61	MEC8-RA_65	<-20dB to 6.3 GHz
Xrow, GAG to GQG		Edge_Card_62	MEC8-RA_61	<-20dB to 20 GHz	
2	Insertion Loss	GSG	Edge_Card_62	MEC8-RA_62	3dB@ 8.03 GHz
	Return Loss	GSG	Edge_Card_62	Edge_Card_62	>10dB to 5.5 GHz
	Near-End Crosstalk	GAQQG	Edge_Card_22	Edge_Card_24	<-20dB to 0.7 GHz
		GAGQG	Edge_Card_62	Edge_Card_66	<-20dB to 20 GHz
	Far-End Crosstalk	GAQQG	Edge_Card_22	MEC8-RA_24	<-20dB to 3.7 GHz
		GAGQG	Edge_Card_62	MEC8-RA_66	<-20dB to 9.4 GHz

Table 2 - Differential Connector System Performance					
Case 1 = Short Row; Case 2 = Long Row					
Case	Test Parameter	Configuration	Driver	Receiver	
1	Insertion Loss	GSSG	Edge_Card_27,29	MEC8-RA_27,29	3dB@ 9.3 GHz
	Return Loss	GSSG	Edge_Card_27,29	Edge_Card_27,29	>10dB to 2.5 GHz
	Near-End Crosstalk	GAAQQG	Edge_Card_27,29	Edge_Card_31,33	<-20dB to 14.9 GHz
		GAAGQQG	Edge_Card_27,29	Edge_Card_33,35	<-20dB to 20 GHz
		Xrow, GAAG to GQQG	Edge_Card_21,23	Edge_Card_22,24	<-20dB to 20 GHz
	Far-End Crosstalk	GAAQQG	Edge_Card_27,29	MEC8-RA_31,33	<-20dB to 20 GHz
		GAAGQQG	Edge_Card_27,29	MEC8-RA_33,35	<-20dB to 20 GHz
Xrow, GAAG to GQQG		Edge_Card_22,24	MEC8-RA_21,23	<-20dB to 20 GHz	
2	Insertion Loss	GSSG	Edge_Card_28,30	MEC8-RA_28,30	3dB@ 7.7 GHz
	Return Loss	GSSG	Edge_Card_28,30	Edge_Card_28,30	>10dB to 1.4 GHz
	Near-End Crosstalk	GAAQQG	Edge_Card_28,30	Edge_Card_32,34	<-20dB to 14.8 GHz
		GAAGQQG	Edge_Card_28,30	Edge_Card_34,36	<-20dB to 20 GHz
	Far-End Crosstalk	GAAQQG	Edge_Card_28,30	MEC8-RA_32,34	<-20dB to 20 GHz
		GAAGQQG	Edge_Card_28,30	MEC8-RA_34,36	<-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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