

Series: MEC6-RA

Description: Mini Edge-Card Socket, Right Angle, Surface Mount,
0.635mm (0.025") Pitch, Mated with 1.60mm (0.062") thick load 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_15	MEC6-RA_15	3dB@ 10 GHz
	Return Loss	GSG	Edge_Card_15	Edge_Card_15	>10dB to 9.5 GHz
	Near-End Crosstalk	GAQG	Edge_Card_57	Edge_Card_59	<-20dB to 1.2 GHz
		GAGQG	Edge_Card_15	Edge_Card_19	<-20dB to 20 GHz
		Xrow, GAG to QQG	Edge_Card_57	Edge_Card_58	<-20dB to 20 GHz
	Far-End Crosstalk	GAQG	Edge_Card_57	MEC6-RA_59	<-20dB to 6.4 GHz
		GAGQG	Edge_Card_15	MEC6-RA_19	<-20dB to 7.3 GHz
Xrow, GAG to QQG		Edge_Card_58	MEC6-RA_57	<-20dB to 20 GHz	
2	Insertion Loss	GSG	Edge_Card_16	MEC6-RA_16	3dB@ 7.4 GHz
	Return Loss	GSG	Edge_Card_16	Edge_Card_16	>10dB to 5.4 GHz
	Near-End Crosstalk	GAQG	Edge_Card_58	Edge_Card_60	<-20dB to 0.6 GHz
		GAGQG	Edge_Card_16	Edge_Card_20	<-20dB to 20 GHz
	Far-End Crosstalk	GAQG	Edge_Card_58	MEC6-RA_60	<-20dB to 9.2 GHz
		GAGQG	Edge_Card_16	MEC6-RA_20	<-20dB to 11.4 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_39,41	MEC6-RA_39,41	3dB@ 10.6 GHz
	Return Loss	GSSG	Edge_Card_39,41	Edge_Card_39,41	>10dB to 1.9 GHz
	Near-End Crosstalk	GAAQQG	Edge_Card_39,41	Edge_Card_43,45	<-20dB to 13.1 GHz
		GAAGQQG	Edge_Card_39,41	Edge_Card_45,47	<-20dB to 13.2 GHz
		Xrow, GAAG to GQQG	Edge_Card_57,59	Edge_Card_58,60	<-20dB to 20 GHz
	Far-End Crosstalk	GAAQQG	Edge_Card_39,41	MEC6-RA_43,45	<-20dB to 20 GHz
		GAAGQQG	Edge_Card_39,41	MEC6-RA_45,47	<-20dB to 20 GHz
Xrow, GAAG to GQQG		Edge_Card_57,59	MEC6-RA_58,60	<-20dB to 20 GHz	
2	Insertion Loss	GSSG	Edge_Card_40,42	MEC6-RA_40,42	3dB@ 7.5 GHz
	Return Loss	GSSG	Edge_Card_40,42	Edge_Card_40,42	>10dB to 1.5 GHz
	Near-End Crosstalk	GAAQQG	Edge_Card_40,42	Edge_Card_44,46	<-20dB to 17 GHz
		GAAGQQG	Edge_Card_40,42	Edge_Card_46,48	<-20dB to 20 GHz
	Far-End Crosstalk	GAAQQG	Edge_Card_40,42	MEC6-RA_44,46	<-20dB to 19.4 GHz
		GAAGQQG	Edge_Card_40,42	MEC6-RA_46,48	<-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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