

Series: MEC2-DV

Description: Edge Card Socket, Vertical, Surface Mount, 2mm Pitch, 1.6mm Load Card

## Frequency Domain Data Summary

Table 1 - Single-Ended Connector System Performance				
Test Parameter	Configuration	Driver	Receiver	
Insertion Loss	GSG	Edge-Card_20	MEC2_20	3dB@ 12.5 GHz
Return Loss	GSG	Edge-Card_20	Edge-Card_20	>10dB to 10.4 GHz
Near-End Crosstalk	GAQG	Edge-Card_43	Edge-Card_45	<-20dB to 1 GHz
	GAGQG	Edge-Card_16	Edge-Card_20	<-20dB to 13.9 GHz
	Xrow, GAG to GQG	Edge-Card_15	Edge-Card_16	<-20dB to 2.7 GHz
Far-End Crosstalk	GAQG	Edge-Card_43	MEC2_45	<-20dB to 3.3 GHz
	GAGQG	Edge-Card_20	MEC2_16	<-20dB to 13.9 GHz
	Xrow, GAG to GQG	Edge-Card_16	MEC2_15	<-20dB to 10.5 GHz

Table 2 - Differential Connector System Performance				
Test Parameter	Configuration	Driver	Receiver	
Insertion Loss	GSSG	Edge-Card_44_46	MEC2_44_46	3dB@ 14.1 GHz
Return Loss	GSSG	Edge-Card_44_46	Edge-Card_44_46	>10dB to 11.5 GHz
Near-End Cross-talk	GAAQQG	Edge-Card_51_53	Edge-Card_55_57	<-20dB to 13.4 GHz
	GAAGQQG	Edge-Card_44_46	Edge-Card_50_52	<-20dB to 20GHz
	Xrow, GAAG to GQQG	Edge-Card_43_45	Edge-Card_44_46	<-20dB to 6.1GHz
Far-End Crosstalk	GAAQQG	Edge-Card_51_53	MEC2_55_57	<-20dB to 20GHz
	GAAGQQG	Edge-Card_44_46	MEC2_50_52	<-20dB to 20GHz
	Xrow, GAAG to GQQG	Edge-Card_43_45	MEC2_44_46	<-20dB to 11.1GHz

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### Bandwidth Chart – Single-Ended & Differential Insertion Loss

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