

Series: MECF-DV

Description: Edge Card Socket, Vertical, Surface Mount, 1.27mm 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	MECF_20	3dB@ 14.5 GHz
Return Loss	GSG	Edge-Card_20	Edge-Card_20	>10dB to 6.2 GHz
Near-End Crosstalk	GAQG	Edge-Card_68	Edge-Card_70	<-20dB to 0.9 GHz
	GAGQG	Edge-Card_20	Edge-Card_24	<-20dB to 13.7 GHz
	Xrow, GAG to QQG	Edge-Card_19	Edge-Card_20	<-20dB to 7.1 GHz
Far-End Crosstalk	GAQG	Edge-Card_68	MECF_70	<-20dB to 2.8 GHz
	GAGQG	Edge-Card_20	MECF_24	<-20dB to 11.1 GHz
	Xrow, GAG to QQG	Edge-Card_19	MECF_20	<-20dB to 11.2 GHz

Table 2 - Differential Connector System Performance

Test Parameter	Configuration	Driver	Receiver	
Insertion Loss	GSSG	Edge-Card_62_64	MECF_62_64	3dB@ 14.3 GHz
Return Loss	GSSG	Edge-Card_62_64	Edge-Card_62_64	>10dB to 10.3 GHz
Near-End Crosstalk	GAAQQG	Edge-Card_67_69	Edge-Card_71_73	<-20dB to 4.4 GHz
	GAAGQQG	Edge-Card_62_64	Edge-Card_68_70	<-20dB to 20GHz
	Xrow, GAAG to GQQG	Edge-Card_61_63	Edge-Card_62_64	<-20dB to 9.9GHz
Far-End Crosstalk	GAAQQG	Edge-Card_67_69	MECF_71_73	<-20dB to 20GHz
	GAAGQQG	Edge-Card_62_64	MECF_68_70	<-20dB to 20GHz
	Xrow, GAAG to GQQG	Edge-Card_61_63	MECF_62_64	<-20dB to 20GHz

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Bandwidth Chart – Single-Ended & Differential Insertion Loss

MECF Connector Series

