

Series: LSEM

Description: Board-to-Board, 0.8mm (.0315") Pitch, Right Angle to Vertical Orientation

Frequency Domain Data Summary

Table 1 - Single-Ended Connector System Performance			
Case	Test Parameter	Configuration	
1 (Short)	Insertion Loss	GSG	3dB @ 9.050 GHz
	Return Loss	GSG	>10dB to 5.925 GHz
	Near-End Crosstalk	GAQG	< -20dB to 0.738 GHz
		GAGQG	< -20dB to 9.325 GHz
		Xrow, GAG to GQG	< -20dB to 9.113 GHz
	Far-End Crosstalk	GAQG	< -20dB to 2.938 GHz
		GAGQG	< -20dB to 8.575 GHz
		Xrow, GAG to GQG	< -20dB to 9.125 GHz
	2 (Long)	Insertion Loss	GSG
Return Loss		GSG	>10dB to 10.500 GHz
Near-End Crosstalk		GAQG	< -20dB to 0.525 GHz
		GAGQG	< -20dB to 6.238 GHz
		Xrow, GAG to GQG	< -20dB to 9.113 GHz
Far-End Crosstalk		GAQG	< -20dB to 5.988 GHz
		GAGQG	< -20dB to 6.213 GHz
		Xrow, GAG to GQG	< -20dB to 9.100 GHz

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Table 2 - Differential Connector System Performance			
Case	Test Parameter	Configuration	
1 (Short)	Insertion Loss	GSSG	3dB @ 9.813 GHz
	Return Loss	GSSG	>10dB to 7.200 GHz
	Near-End Crosstalk	GAAQQG	< -20dB to 14.438
		GAAGQQG	< -20dB to 18.950
		Xrow, GAAG to GQQG	< -20dB to 20.000
	Far-End Crosstalk	GAAQQG	< -20dB to 14.325
		GAAGQQG	< -20dB to 17.913
		Xrow, GAAG to GQQG	< -20dB to 20.000
	2 (Long)	Insertion Loss	GSSG
Return Loss		GSSG	>10dB to 6.525 GHz
Near-End Crosstalk		GAAQQG	< -20dB to 9.100 GHz
		GAAGQQG	< -20dB to 20.000
		Xrow, GAAG to GQQG	< -20dB to 20.000
Far-End Crosstalk		GAAQQG	< -20dB to 20.000
		GAAGQQG	< -20dB to 20.000
		Xrow, GAAG to GQQG	< -20dB to 20.000

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Bandwidth Chart – Single-Ended & Differential Insertion Loss

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