

Series: LSEM

Description: Board-to-Board, 0.8mm (.0315") Pitch, , 12mm (0.472") Stack Height

Frequency Domain Data Summary

Table 1 - Single-Ended Connector System Performance			
Case	Test Parameter	Configuration	
1	Insertion Loss	GSG	3dB @ 16.375 GHz
	Return Loss	GSG	>10dB to 4.850 GHz
	Near-End Crosstalk	GAQG	< -20dB to 0.525 GHz
		GAGQG	< -20dB to 10.838 GHz
		Xrow, GAG to GQG	< -20dB to 7.250 GHz
	Far-End Crosstalk	GAQG	< -20dB to 1.975 GHz
		GAGQG	< -20dB to 7.625 GHz
		Xrow, GAG to GQG	< -20dB to 6.888 GHz

Table 2 - Differential Connector System Performance			
Case	Test Parameter	Configuration	
1	Insertion Loss	GSSG	3dB @ 19.625 GHz
	Return Loss	GSSG	>10dB to 5.975 GHz
	Near-End Crosstalk	GAAQQG	< -20dB to 16.300 GHz
		GAAGQQG	< -20dB to 20.000 GHz
		Xrow, GAAG to GQQG	< -20dB to 20.000 GHz
	Far-End Crosstalk	GAAQQG	< -20dB to 20.000 GHz
		GAAGQQG	< -20dB to 20.000 GHz
		Xrow, GAAG to GQQG	< -20dB to 20.000 GHz

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Bandwidth Chart – Single-Ended & Differential Insertion Loss

LSEM Hermaphroditic Series

