

Series: AW/CLE

Description: Surface Mount, 0.8mm (.0315") Pitch, 9.14mm (0.360") Stack Height

Frequency Domain Data Summary

Table 1 - Single-Ended Signaling System Performance				
Test Parameter	Filename	Source	Victim	
Insertion Loss	SL_1_1	Tx, port1=AW_44, Rx, port3=CLE_44		-3dB @ 7.7 GHz
Return Loss	SL_1_1	Tx, port1=AW_44, Rx, port3=CLE_44		≤ -5dB to 7.7 GHz
Near-End Crosstalk	SN_1_1	AW_42	AW_40	≤ -7dB to 7.7 GHz
	SN_1_2	AW_40	AW_44	≤ -26dB to 7.7 GHz
	SN_1_3	AW_7	AW_8	≤ -18dB to 7.7 GHz
Far-End Crosstalk	SF_1_1	AW_40	CLE_44	≤ -12dB to 7.7 GHz
	SF_1_2	AW_42	CLE_40	≤ -23dB to 7.7 GHz
	SF_1_3	AW_7	CLE_8	≤ -21dB to 7.7 GHz

Table 2 - Differential Signaling System Performance				
Test Parameter	Filename	Source	Victim	
Insertion Loss	DL_1_1	Tx, port12=AW_90-92, Rx, port34=CLE_90-92		-3dB @ 7.3 GHz
Return Loss	DL_1_1	Tx, port12=AW_90-92, Rx, port34=CLE_90-92		≤ -9dB to 7.3 GHz
Near-End Crosstalk	DN_1_1	AW_94-92	AW_90-88	≤ -19dB to 7.3 GHz
	DN_1_2	AW_84-86	AW_90-92	≤ -42dB to 7.3 GHz
	DN_1_3	AW_6-4	AW_3-5	≤ -29dB to 7.3 GHz
Far-End Crosstalk	DF_1_1	AW_94-92	CLE_90-88	≤ -24dB to 7.3 GHz
	DF_1_2	AW_84-86	CLE_90-92	≤ -31dB to 7.3 GHz
	DN_1_3	AW_6-4	CLE_3-5	≤ -32dB to 7.3 GHz

Pin Map (reference Appendix C for full description of test boards)

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Bandwidth Chart – Single-Ended & Differential Insertion Loss

CLE/AW Socket & Terminal Strip Series

