

Series: LSH-LTH Socket/Terminal Strip

Description: 0.5mm (.0197") Centerline, Low Profile Board-to-Board

Frequency Domain Data Summary

Table 1 - Single-Ended Signaling System Performance				
Test Parameter	PNA port #	Source	Victim	
Insertion Loss	p1 to p3	port1=LSH_44 port2=LTH_44		-3dB @ 7.4 GHz
Return Loss	p1 to p3	port1=LSH_44 port2=LTH_44		≤ -7dB to 7.4 GHz
Near-End Crosstalk	p1 to p3	LSH_42	LSH_40	≤ -8dB to 7.4 GHz
		LSH_44	LSH_40	≤ -20dB to 7.4 GHz
		LSH_4	LSH_3	≤ -35dB to 7.4 GHz
Far-End Crosstalk	p1 to p3	LSH_42	LTH_40	≤ -14dB to 7.4 GHz
		LSH_44	LTH_40	≤ -16dB to 7.4 GHz
		LSH_4	LTH_3	≤ -39dB to 7.4 GHz

Table 2 - Differential Signaling System Performance				
Test Parameter	PNA port #	Source	Victim	
Insertion Loss	p1p2 to p3p4	port1=LSH_96-98 port2=LTH_96-98		-3dB @ 4.4GHz
Return Loss	p1p2 to p3p4	port1=LSH_96-98 port2=LTH_96-98		≤ -4dB to 4.4 GHz
Near-End Crosstalk	p1p2 to p3p4	LSH_88-90	LSH_84-86	≤ -23dB to 4.4 GHz
		LSH_96-98	LSH_90-92	≤ -37dB to 4.4 GHz
		LSH_4-6	LSH_3-5	≤ -54dB to 4.4GHz
Far-End Crosstalk	p1p2 to p3p4	LSH_88-90	LTH_84-86	≤ -28dB to 4.4 GHz
		LSH_96-98	LTH_90-92	≤ -36dB to 4.4 GHz
		LSH_4-6	LTH_3-5	≤ -58dB to 4.4 GHz

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

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Bandwidth Chart – Single-Ended & Differential Insertion Loss

LSH/LTH Low Profile Connector Series

