

Series: PCIE-LP

Description: 1.00 mm PCI Express® Low Profile Edge Card Connector

Time Domain Data Summary

Table 3 - Differential Impedance (Ω)-85 Ohm					
Signal Rise-time	30ps	50ps	100ps	250ps	500ps
Maximum Impedance	90.9	88.3	85.2	82.0	80.5
Minimum Impedance	77.9	77.9	78.0	78.3	79.9

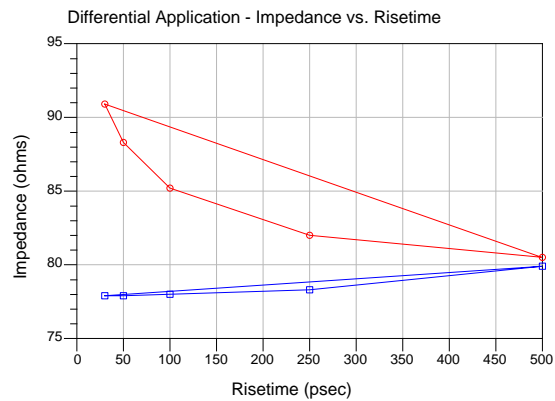
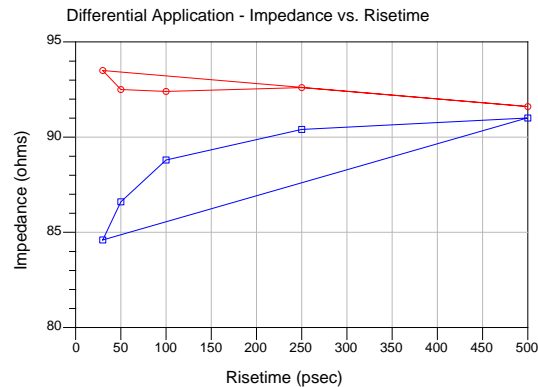


Table 4 - Differential Impedance (Ω)-100 Ohm					
Signal Rise-time	30ps	50ps	100ps	250ps	500ps
Maximum Impedance	93.5	92.5	92.4	92.6	91.6
Minimum Impedance	84.6	86.6	88.8	90.4	91.0



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Table 5 - Differential Crosstalk (%) -85 Ohm						
Input(tr)	Driver	Receiver	30ps	50ps	100ps	250ps
NEXT	Edge-Card_A24,A25	Edge-Card_A20,A21	0.16	<0.1	<0.1	<0.1
	Edge-Card_A24,A25	Edge-Card_A28,A29	0.18	0.10	<0.1	<0.1
	Edge-Card_A24,A25	Edge-Card_B22,B23	0.58	0.43	0.25	0.10
	Edge-Card_A24,A25	Edge-Card_B26,B27	<0.1	<0.1	<0.1	<0.1
FEXT	Edge-Card_A24,A25	PCIE-LP_A20,A21	0.33	0.25	0.12	<0.1
	Edge-Card_A24,A25	PCIE-LP_A28,A29	0.33	0.24	0.12	<0.1
	Edge-Card_A24,A25	PCIE-LP_B22,B23	0.20	0.13	<0.1	<0.1
	Edge-Card_A24,A25	PCIE-LP_B26,B27	<0.1	<0.1	<0.1	<0.1

Table 6 - Differential Crosstalk (%) -100 Ohm						
Input(tr)	Driver	Receiver	30ps	50ps	100ps	250ps
NEXT	Edge-Card_A23,A24	Edge-Card_A20,A21	0.49	0.39	0.29	0.15
	Edge-Card_A23,A24	Edge-Card_A26,A27	0.50	0.39	0.29	0.15
	Edge-Card_A23,A24	Edge-Card_B20,B21	0.17	0.15	<0.1	<0.1
	Edge-Card_A23,A24	Edge-Card_B23,B24	1.54	1.26	0.76	0.33
FEXT	Edge-Card_A23,A24	PCIE-LP_A20,A21	0.61	0.43	0.19	<0.1
	Edge-Card_A23,A24	PCIE-LP_A26,A27	0.64	0.45	0.22	<0.1
	Edge-Card_A23,A24	PCIE-LP_B20,B21	<0.1	<0.1	<0.1	<0.1
	Edge-Card_A23,A24	PCIE-LP_B23,B24	<0.1	<0.1	<0.1	<0.1

Table 7 - Propagation Delay (Mated Connector)	
Differential (85 Ohm)	53 ps
Differential (100 Ohm)	47 ps