Series: HSEC1-DV
Description: 1.00 mm Edge Rate® High-Speed Edge Card Connector, Vertical

Time Domain Data Summary

Table 3 - Differential Impedance (Ω)-85 Ohm					
Signal Rise-time	**30ps**	**50ps**	**100ps**	**250ps**	**500ps**
Maximum Impedance	94.3	92.2	88.0	83.3	82.5
Minimum Impedance	78.5	78.5	78.5	78.7	80.5

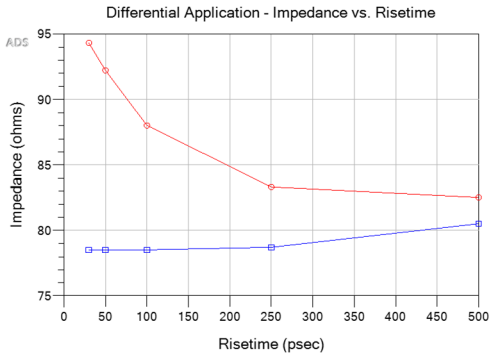
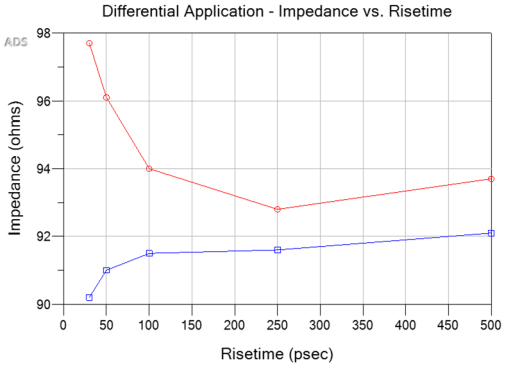


Table 4 - Differential Impedance (Ω)-100 Ohm					
Signal Rise-time	**30ps**	**50ps**	**100ps**	**250ps**	**500ps**
Maximum Impedance	97.7	96.1	94.0	92.8	93.7
Minimum Impedance	90.2	91.0	91.5	91.6	92.1



Series: HSEC1-DV
Description: 1.00 mm Edge Rate® High-Speed Edge Card Connector, Vertical

	Table 5 - Differential Crosstalk (%) - 85 Ohm					
Input(t_r)	**Driver**	**Receiver**	**30ps**	**50ps**	**100ps**	**250ps**
NEXT	Edge-Card_53,55	Edge-Card_45,47	0.18	0.10	<0.1	<0.1
	Edge-Card_53,55	Edge-Card_61,63	0.17	0.10	<0.1	<0.1
	Edge-Card_53,55	Edge-Card_50.52	0.60	0.44	0.24	0.10
	Edge-Card_53,55	Edge-Card_58,60	0.58	0.43	0.24	0.10
FEXT	Edge-Card_53,55	Edge-Card_45,47	0.37	0.25	0.12	<0.1
	Edge-Card_53,55	Edge-Card_61,63	0.36	0.25	0.12	<0.1
	Edge-Card_53,55	Edge-Card_50.52	0.14	<0.1	<0.1	<0.1
	Edge-Card_53,55	Edge-Card_58,60	0.11	<0.1	<0.1	<0.1

	Table 6 - Differential Crosstalk (%) - 100 Ohm					
Input(t_r)	**Driver**	**Receiver**	**30ps**	**50ps**	**100ps**	**250ps**
NEXT	Edge-Card_51,53	Edge-Card_45,47	0.48	0.36	0.25	0.12
	Edge-Card_51,53	Edge-Card_57,59	0.48	0.35	0.25	0.12
	Edge-Card_51,53	Edge-Card_52,54	1.46	1.15	0.64	0.27
	Edge-Card_51,53	Edge-Card_58.60	0.19	0.14	<0.1	<0.1
FEXT	Edge-Card_51,53	HSEC1_45,47	0.60	0.42	0.20	<0.1
	Edge-Card_51,53	HSEC1_57,59	0.58	0.41	0.19	0.11
	Edge-Card_51,53	HSEC1_52,54	0.37	0.25	<0.1	<0.1
	Edge-Card_51,53	HSEC1_58,60	<0.1	<0.1	<0.1	<0.1

Table 7 - Propagation Delay (Mated Connector)	
Differential (85 Ohm)	49 ps
Differential (100 Ohm)	44 ps