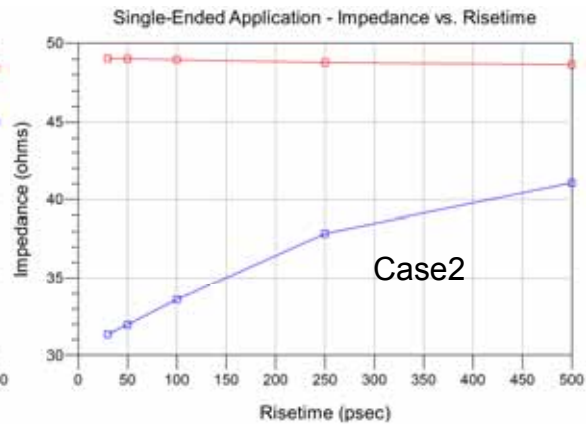
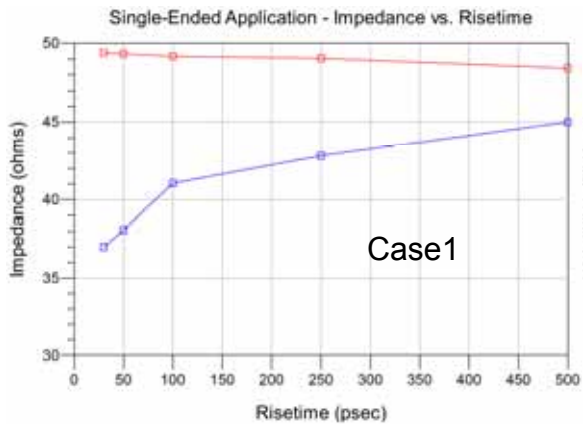


Series: BTH/BSH Right Angle

Description: Basic Blade & Beam Terminal and Socket, 0.5mm (.0197") Pitch

Time Domain Data Summary

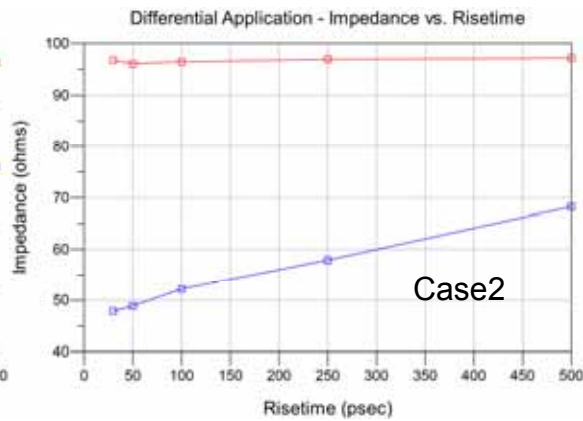
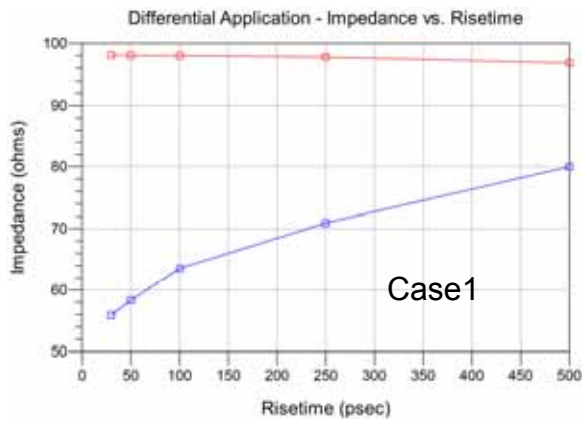
Table 3 – Single-End Impedance (Ω) Case 1 = Short Row; Case 2 = Long Row						
Case	Signal Risetime	30 ps	50 ps	100 ps	250 ps	500 ps
1	Maximum Impedance	49.39	49.32	49.16	49.03	48.40
	Minimum Impedance	36.98	38.07	41.04	42.81	45.00
2	Maximum Impedance	49.02	49.00	48.94	48.76	48.63
	Minimum Impedance	31.33	31.95	33.59	37.85	41.05



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Table 4 - Differential Impedance (Ω) Case 1 = Short Row; Case 2 = Long Row						
Case	Signal Risetime	30 ps	50 ps	100 ps	250 ps	500 ps
1	Maximum Impedance	98.06	98.03	98.00	97.76	96.82
	Minimum Impedance	55.88	58.34	63.56	70.92	79.97
2	Maximum Impedance	96.72	96.02	96.38	96.87	97.12
	Minimum Impedance	47.89	48.89	52.24	57.89	68.27



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Table 5 - Single-Ended Crosstalk (%)
Case 1 = Short Row; Case 2 = Long Row

Case	Input(tr)	Configuration	Driver	Receiver	30ps	50 ps	100 ps	250 ps	500 ps
1	NEXT	GAQG	BTH_RA_28	BTH_RA_30	23.13	21.69	19.18	13.82	8.07
		GAGQG	BTH_RA_98	BTH_RA_102	4.23	3.41	2.18	1.40	0.84
	FEXT	GAQG	BTH_RA_28	BSH_RA_30	5.38	3.92	2.71	1.43	0.77
		GAGQG	BTH_RA_98	BSH_RA_102	3.14	2.53	1.40	0.48	0.13
2	NEXT	GAQG	BTH_RA_27	BTH_RA_29	25.90	24.44	22.27	19.75	13.59
		GAGQG	BTH_RA_97	BTH_RA_101	4.99	3.59	2.43	1.62	1.00
		Xrow	BTH_RA_101	BTH_RA_102	0.31	0.26	0.23	0.16	0.10
	FEXT	GAQG	BTH_RA_27	BSH_RA_29	9.36	8.93	6.58	4.24	3.17
		GAGQG	BTH_RA_97	BSH_RA_101	2.66	2.11	1.17	0.44	0.17
		Xrow	BTH_RA_101	BSH_RA_102	0.23	0.19	0.10	<0.1	<0.1



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Table 6 - Differential Crosstalk (%)
Case 1 = Short Row; Case 2 = Long Row

Case	Input(tr)	Configuration	Driver	Receiver	30ps	50 ps	100 ps	250 ps	500 ps
1	NEXT	GAAQQG	BTH_RA_58,60	BTH_RA_62,64	6.66	6.18	5.59	4.26	2.67
		GAAGQQG	BTH_RA_58,60	BTH_RA_64,66	0.75	0.58	0.37	0.21	0.12
	FEXT	GAAQQG	BTH_RA_58,60	BSH_RA_62,64	3.96	3.19	2.18	1.64	1.05
		GAAGQQG	BTH_RA_58,60	BSH_RA_64,66	0.43	0.34	0.18	<0.1	<0.1
2	NEXT	GAAQQG	BTH_RA_57,59	BTH_RA_61,63	7.41	6.49	6.07	5.52	4.11
		GAAGQQG	BTH_RA_57,59	BTH_RA_63,65	0.90	0.61	0.40	0.23	0.14
		Xrow	BTH_RA_27,29	BTH_RA_28,30	<0.1	<0.1	<0.1	<0.1	<0.1
	FEXT	GAAQQG	BTH_RA_57,59	BSH_RA_61,63	4.62	4.47	3.60	2.82	2.16
		GAAGQQG	BTH_RA_57,59	BSH_RA_63,65	0.66	0.52	0.34	0.14	<0.1
		Xrow	BTH_RA_27,29	BSH_RA_28,30	<0.1	<0.1	<0.1	<0.1	<0.1

Series: BTH/BSH Right Angle**Description:** Basic Blade & Beam Terminal and Socket, 0.5mm (.0197") Pitch

Table 7 - Propagation Delay (Mated Connector) Case 1 = Short Row; Case 2 = Long Row		
Case 1	Single-Ended	95 ps
	Differential	85 ps
Case 2	Single-Ended	153 ps
	Differential	139 ps