Series: Basic Blade & Beam Header and Socket, Extended Life Product™
Description: 0.5mm (.0197") Pitch, 5mm (.197") Stack Height

Time Domain Data Summary

Table 3 - Single-Ended Impedance (Ω)					
Signal Risetime	**30ps**	**50ps**	**100ps**	**250ps**	**500ps**
Maximum Impedance	49.93	49.85	49.71	49.44	49.13
Minimum Impedance	41.41	42.66	44.94	46.33	47.49

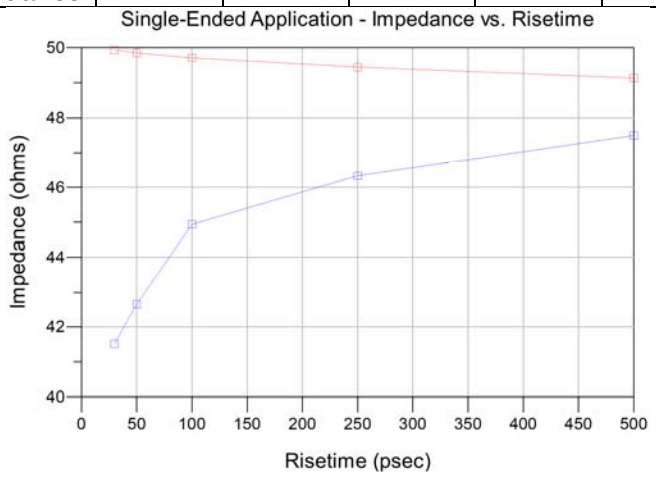
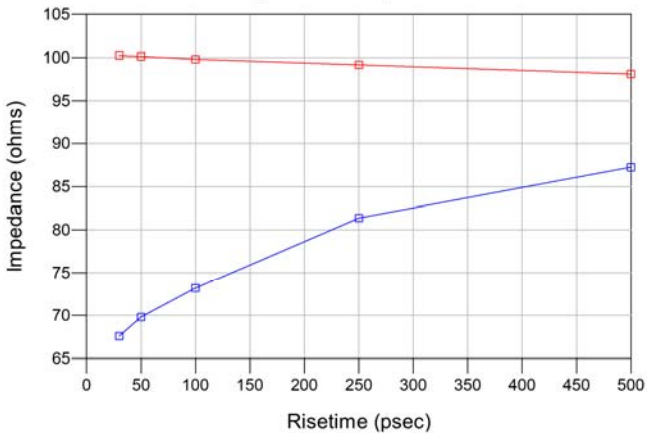


Table 4 - Differential Impedance (Ω)					
Signal Risetime	**30ps**	**50ps**	**100ps**	**250ps**	**500ps**
Maximum Impedance	100.25	100.15	99.83	99.19	98.12
Minimum Impedance	67.59	69.81	73.21	81.37	87.24



Series: Basic Blade & Beam Header and Socket, Extended Life Product™
Description: 0.5mm (.0197") Pitch, 5mm (.197") Stack Height

Table 5 - Single-Ended Crosstalk (%)								
Input(t_r)		**Driver**	**Receiver**	**30ps**	**50ps**	**100ps**	**250ps**	**500ps**
NEXT	GAQG	BTH_28	BTH_30	21.02	17.84	15.02	7.99	4.51
	GAGQG	BTH_98	BTH_102	4.22	2.95	2.14	1.19	0.63
	Xrow	BTH_97	BTH_98	0.63	0.48	0.34	0.15	<0.1
FEXT	GAQG	BTH_28	BSH_30	2.84	2.07	1.25	0.35	0.12
	GAGQG	BTH_98	BSH_102	3.15	2.50	1.34	0.45	0.25
	Xrow	BTH_97	BSH_98	0.61	0.42	0.22	<0.1	<0.1

Table 6 - Differential Crosstalk (%)								
Input(t_r)		**Driver**	**Receiver**	**30ps**	**50ps**	**100ps**	**250ps**	**500ps**
NEXT	GAAQQG	BTH_57,59	BTH_61,63	5.78	4.94	4.18	2.71	1.55
	GAAGQQG	BTH_57,59	BTH_63,65	0.59	0.37	0.21	<0.1	<0.1
	Xrow	BTH_27,29	BTH_28,30	<0.1	<0.1	<0.1	<0.1	<0.1
FEXT	GAAQQG	BTH_57,59	BSH_61,63	2.01	1.65	1.44	0.90	0.49
	GAAGQQG	BTH_57,59	BSH_63,65	0.75	0.52	0.26	<0.1	<0.1
	Xrow	BTH_27,29	BSH_28,30	<0.1	<0.1	<0.1	<0.1	<0.1

Table 7 - Propagation Delay (Mated Connector)	
Single-Ended	61 ps
Differential	57 ps