

Series: BSH/BTH

Description: Parallel Board-to-Board, 0.5mm Pitch, 16mm (0.630") Stack Height

Time Domain Data Summary

Table 3 - Single-Ended Impedance (Ω)							
Signal Risetime	30 \pm 5ps	50 ps	100 ps	250 ps	500 ps	750 ps	1 ns
Maximum Impedance	52.7	52.3	52.3	52.1	51.7	51.5	50.9
Minimum Impedance	33.4	35.8	38.8	43.5	45.9	47.3	48.1

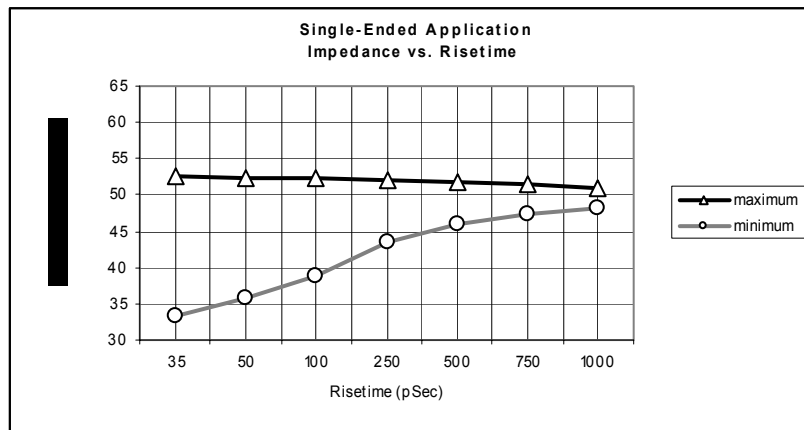
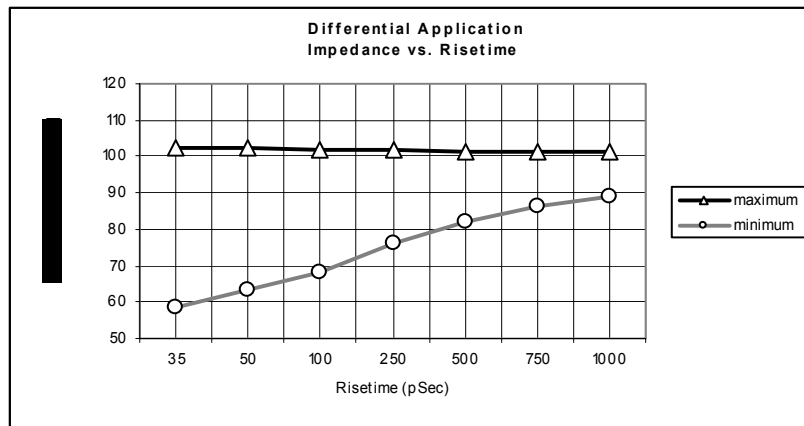


Table 4 - Differential Impedance (Ω)							
Signal Risetime	30 \pm 5ps	50 ps	100 ps	250 ps	500 ps	750 ps	1 ns
Maximum Impedance	102.6	102.3	102.1	101.7	101.4	101.4	101.3
Minimum Impedance	58.7	63.2	68.2	76.0	81.8	86.2	89.0



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Table 5 - Single-Ended Crosstalk (%)								
Input (t _r)		30±5ps	50 ps	100 ps	250 ps	500 ps	750 ps	1 ns
NEXT	GAQG	19.4	18.6	17.3	12.6	7.9	5.7	4.5
	GAGQG	3.1	2.6	2.2	1.5	< 1.0	< 1.0	< 1.0
	Xrow ^{se}	1.1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
FEXT	GAQG	2.5	2.5	1.3	< 1.0	< 1.0	< 1.0	< 1.0
	GAGQG	2.5	1.7	1.2	< 1.0	< 1.0	< 1.0	< 1.0
	Xrow ^{se}	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0

Table 6 - Differential Crosstalk (%)								
Input (t _r)		30±5ps	50 ps	100 ps	250 ps	500 ps	750 ps	1 ns
NEXT	GAAQQG	7.2	7.0	6.6	4.6	2.9	2.1	1.7
	GAAGQQG	1.4	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	Xrow ^{diff}	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
FEXT	GAAQQG	5.1	5.0	4.5	2.9	1.6	1.1	< 1.0
	GAAGQQG	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	Xrow ^{diff}	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0

Table 7 - Propagation Delay (Mated Connector)	
Single-Ended	129 ps
Differential	130 ps