

Series: BSE/BTE

Description: Parallel Board-to-Board, 0.8mm Pitch, 5mm (0.197") 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	65.4	59.6	55.0	52.4	52.1	51.9	51.7
Minimum Impedance	41.1	44.9	46.9	50.1	50.5	50.6	50.6

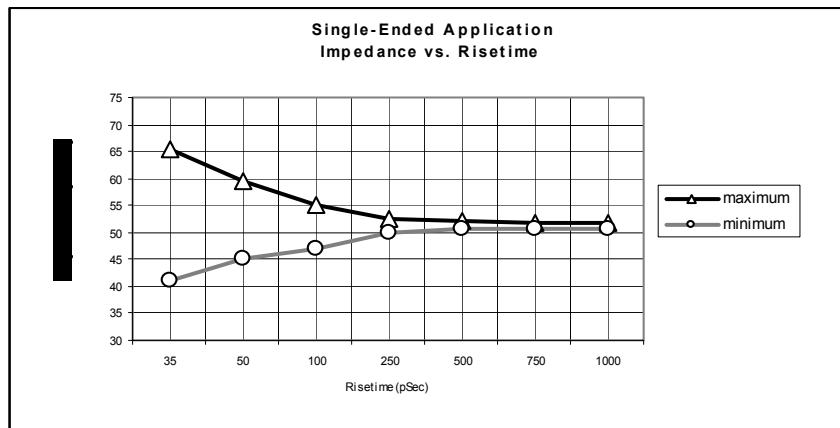
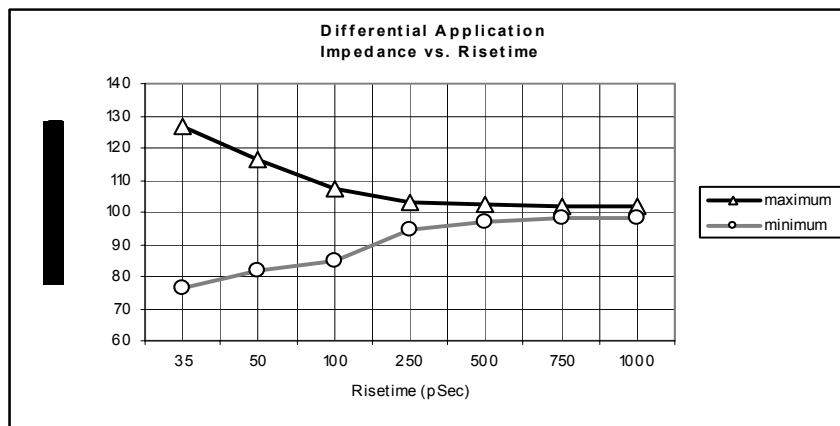


Table 4 - Differential Impedance (Ω)							
Signal Risetime	30 \pm 5ps	50 ps	100 ps	250 ps	500 ps	750 ps	1 ns
Maximum Impedance	126.8	116.7	107.1	103.0	102.3	101.8	101.5
Minimum Impedance	76.4	82.0	84.9	94.7	97.2	98.0	98.2



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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	14.6	13.1	10.8	6.1	3.5	2.5	1.9
	GAGQG	3.3	2.8	2.2	1.2	< 1.0	< 1.0	< 1.0
	Xrow ^{se}	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
FEXT	GAQG	5.8	4.4	3.0	1.4	0.5	0.4	0.3
	GAGQG	4.0	2.9	1.8	< 1.0	< 1.0	< 1.0	< 1.0
	Xrow ^{se}	1.2	< 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	4.9	4.2	3.7	2.0	1.0	< 1.0	< 1.0
	GAAGQQG	1.3	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	2.8	2.6	2.2	1.0	< 1.0	< 1.0	< 1.0
	GAAGQQG	1.3	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	84.0 ps
Differential	81.0 ps