

Series: QSS / QTS

Description: Parallel Board-to-Board, 0.635mm 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	61.0	56.0	53.3	52.1	51.7	51.5	51.2
Minimum Impedance	36.8	38.9	42.1	46.6	48.6	49.4	49.8

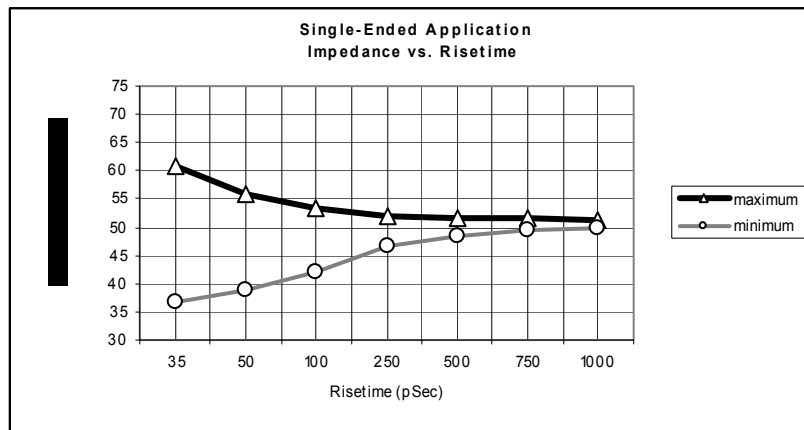
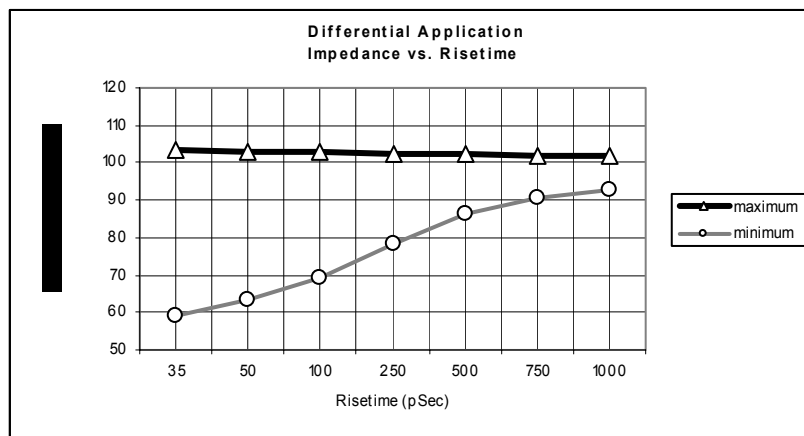


Table 4 - Differential Impedance (Ω)							
Signal Risetime	30 \pm 5ps	50 ps	100 ps	250 ps	500 ps	750 ps	1 ns
Maximum Impedance	103.3	103.2	103.0	102.6	102.2	101.9	101.7
Minimum Impedance	58.9	63.2	69.1	78.5	86.3	90.4	92.8



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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	18.9	18.3	17.5	12.6	7.7	5.5	4.4
	GAGQG	3.5	2.8	2.4	1.6	< 1.0	< 1.0	< 1.0
	Xrow ^{se}	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
FEXT	GAQG	2.5	1.6	1.1	< 1.0	< 1.0	< 1.0	< 1.0
	GAGQG	2.9	2.1	1.4	< 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	5.7	5.6	5.3	3.9	2.5	1.8	1.4
	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
FEXT	GAAQQG	1.7	1.5	1.2	< 1.0	< 1.0	< 1.0	< 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	135.0 ps
Differential	137.0 ps