

Series: QSS / QTS

Description: Parallel Board-to-Board, 0.635mm Pitch, 11mm (0.433") 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	60.8	55.8	52.2	51.9	51.4	51.2	50.9
Minimum Impedance	35.7	38.1	41.0	45.2	47.5	48.6	49.2

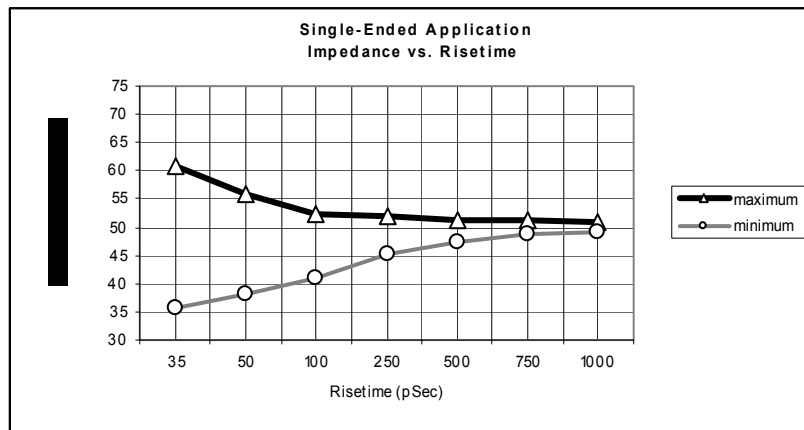
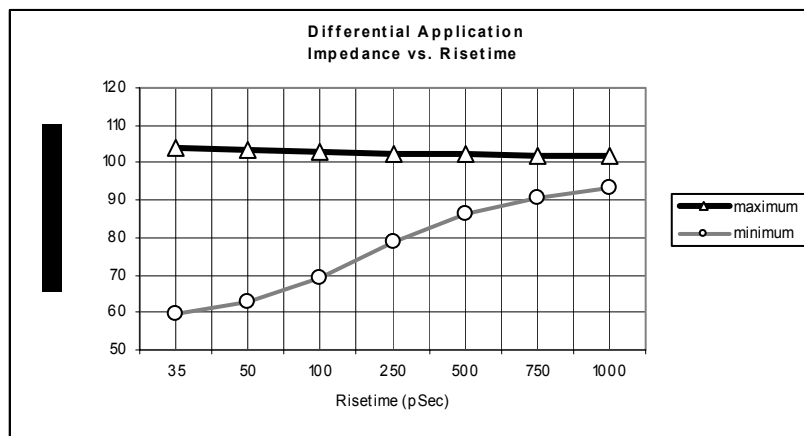


Table 4 - Differential Impedance (Ω)							
Signal Risetime	30 \pm 5ps	50 ps	100 ps	250 ps	500 ps	750 ps	1 ns
Maximum Impedance	103.8	103.2	102.9	102.6	102.2	101.9	101.8
Minimum Impedance	59.5	62.8	69.1	78.8	86.6	90.7	93.0



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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	18.5	17.7	16.3	10.9	6.4	4.6	3.6
	GAGQG	3.3	2.7	2.3	1.5	< 1.0	< 1.0	< 1.0
	Xrow ^{se}	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
FEXT	GAQG	3.5	2.4	1.6	< 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	5.4	5.2	4.8	3.3	2.0	1.5	1.2
	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	1.3	< 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	118.0 ps
Differential	125.0 ps