

Series: QSS / QTS

Description: Parallel Board-to-Board, 0.635mm 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	59.5	53.2	52.1	51.8	51.3	51.1	50.9
Minimum Impedance	39.0	44.0	47.0	48.3	49.3	49.7	49.7

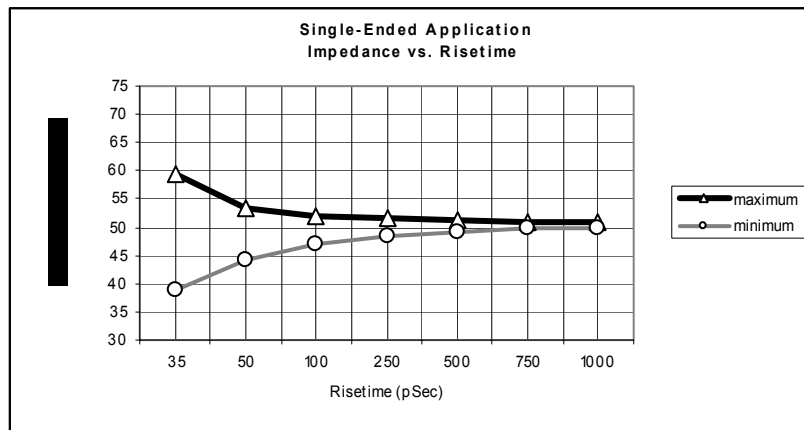
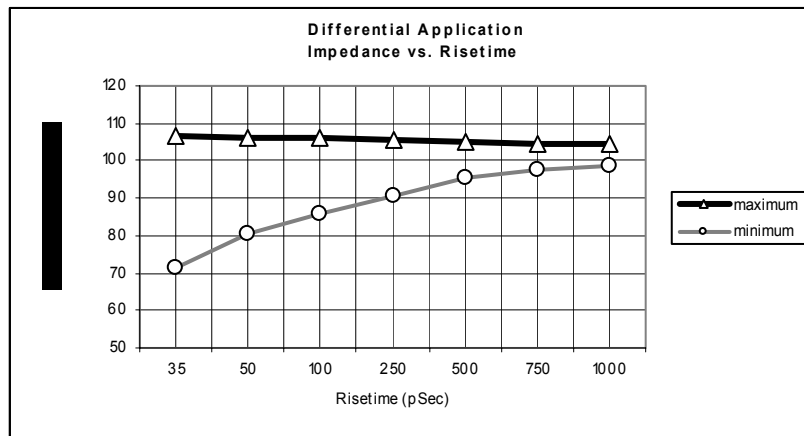


Table 4 - Differential Impedance (Ω)							
Signal Risetime	30 \pm 5ps	50 ps	100 ps	250 ps	500 ps	750 ps	1 ns
Maximum Impedance	106.5	106.2	106.0	105.5	104.9	104.5	104.2
Minimum Impedance	71.4	80.7	86.0	90.8	95.6	97.5	98.4



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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	14.7	13.2	11.1	6.3	3.6	2.5	2.0
	GAGQG	3.2	2.4	1.9	1.1	< 1.0	< 1.0	< 1.0
	Xrow ^{se}	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
FEXT	GAQG	4.0	2.7	1.9	< 1.0	< 1.0	< 1.0	< 1.0
	GAGQG	2.8	2.0	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	4.3	4.0	3.4	2.0	1.1	< 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
FEXT	GAAQQG	1.0	< 1.0	< 1.0	< 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	81.0 ps
Differential	84.0 ps