

Series: QTH / QSH

Description: Parallel Board-to-Board, 0.5mm Pitch, 11mm (0.433") Stack Height

## Time Domain Data Summary

Table 3 - Single-Ended Impedance ( $\Omega$ )							
Signal Risetime	30 $\pm$ 5ps	50 ps	100 ps	250 ps	500 ps	750 ps	1 ns
Maximum Impedance	54.0	52.5	52.0	50.4	50.0	50.0	50.0
Minimum Impedance	32.9	35.0	39.3	44.8	47.4	48.3	48.6

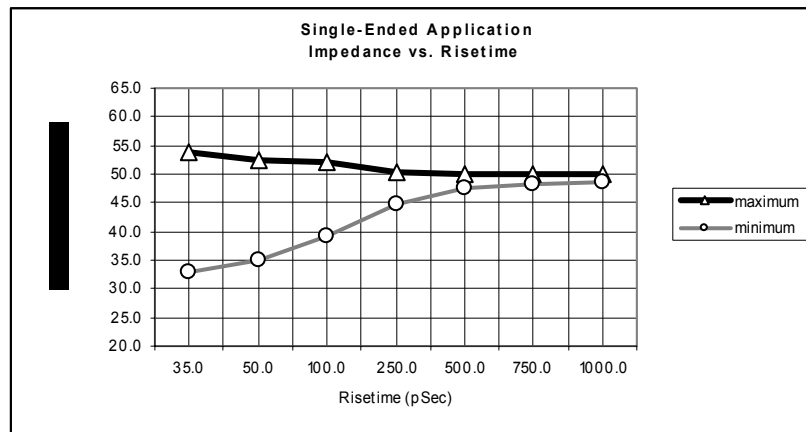
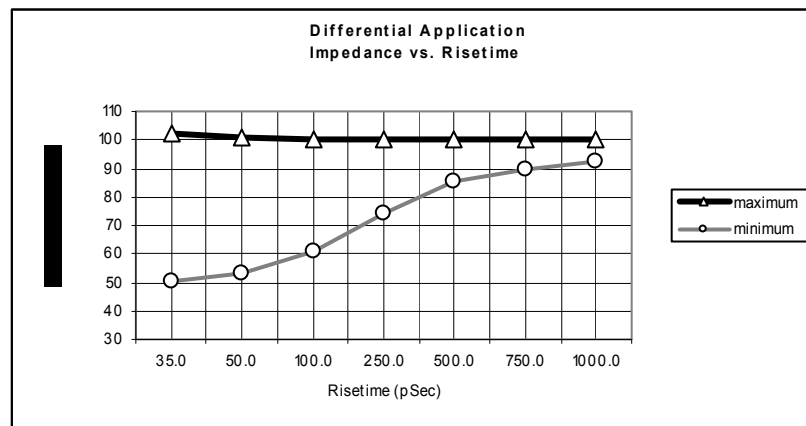


Table 4 - Differential Impedance ( $\Omega$ )							
Signal Risetime	30 $\pm$ 5ps	50 ps	100 ps	250 ps	500 ps	750 ps	1 ns
Maximum Impedance	102.4	101	100	100	100	100	100
Minimum Impedance	50.2	53.4	61.0	74.4	85.1	89.7	92.2



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**Table 5 - Single-Ended Crosstalk (%)**

Input (t <sub>r</sub> )		30±5ps	50 ps	100 ps	250 ps	500 ps	750 ps	1 ns
NEXT	GAQG	19.6	18.6	17.3	12.3	7.5	5.5	4.3
	GAGQG	5.6	3.2	2.6	1.7	1.0	< 1.0	< 1.0
	Xrow <sup>se</sup>	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
FEXT	GAQG	6.5	4.5	3.2	1.7	1.0	< 1.0	< 1.0
	GAGQG	5.7	3.7	2.3	1.0	< 1.0	< 1.0	< 1.0
	Xrow <sup>se</sup>	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0

**Table 6 - Differential Crosstalk (%)**

Input (t <sub>r</sub> )		30±5ps	50 ps	100 ps	250 ps	500 ps	750 ps	1 ns
NEXT	GAAQQG	6.9	6.7	6.1	4.2	2.6	1.9	1.5
	GAAGQQG	1.4	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	Xrow <sup>diff</sup>	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
FEXT	GAAQQG	2.3	2.1	1.9	1.5	1.0	< 1.0	< 1.0
	GAAGQQG	1.4	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	Xrow <sup>diff</sup>	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0

**Table 7 - Propagation Delay (Mated Connector)**

<b>Single-Ended</b>	74.5 ps
<b>Differential</b>	73.3 ps