Series: QTH / QSH
Description: Parallel Board-to-Board, 0.5mm Pitch, 30mm (1.181") Stack Height

Time Domain Data Summary

Table 3 - Single-Ended Impedance (Ω)							
Signal Risetime	**30±5ps**	**50 ps**	**100 ps**	**250 ps**	**500 ps**	**750 ps**	**1 ns**
Maximum Impedance	52.8	52.6	51.0	50.0	50.0	50.0	50.0
Minimum Impedance	28.9	29.5	30.7	36.9	42.2	44.6	45.9

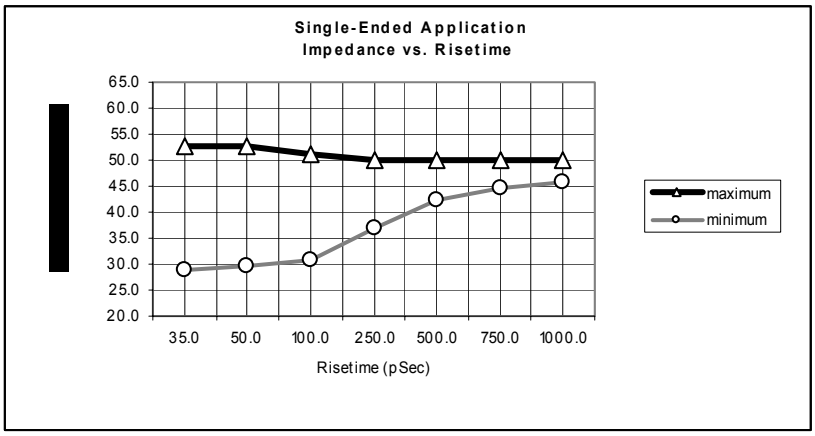
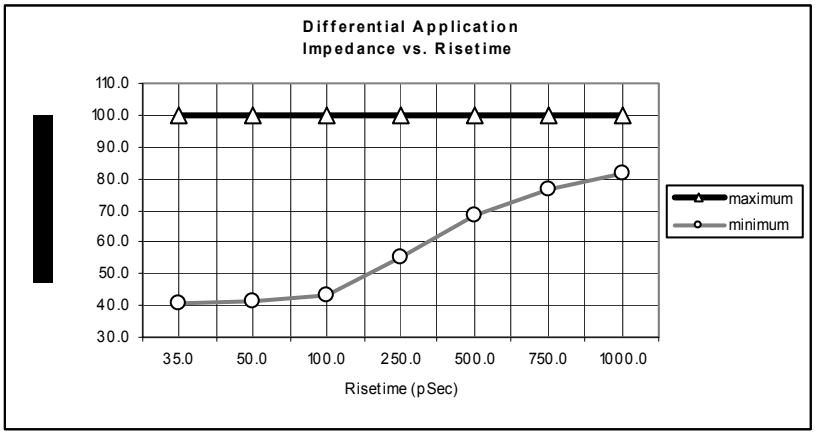


Table 4 - Differential Impedance (Ω)							
Signal Risetime	**30±5ps**	**50 ps**	**100 ps**	**250 ps**	**500 ps**	**750 ps**	**1 ns**
Maximum Impedance	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Minimum Impedance	40.6	41.7	43.5	54.9	68.7	76.8	81.7



Series: QTH / QSH
Description: Parallel Board-to-Board, 0.5mm Pitch, 30mm (1.181") Stack Height

Table 5 - Single-Ended Crosstalk (%)								
Input (t_r)		**30±5ps**	**50 ps**	**100 ps**	**250 ps**	**500 ps**	**750 ps**	**1 ns**
NEXT	GAQG	20.6	20.1	19.8	18.6	13.2	10.1	8.1
	GAGQG	5.2	3.2	2.5	1.9	1.3	1.0	< 1.0
	$Xrow^{se}$	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
FEXT	GAQG	11.6	9.0	7.2	5.2	3.2	2.3	2.0
	GAGQG	5.8	4.2	2.9	1.4	< 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	8.8	8.5	7.9	6.3	4.8	3.7	3.1
	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	3.5	3.3	3.2	2.9	2.3	1.9	1.5
	GAAGQQG	1.2	< 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	122.0 ps
Differential	118.0 ps