

Series: TEM/SEM

Description: Micro Tiger Eye™ Board-to-Board 0.8mm Pitch, 6 mm (0.236") stack height

Time Domain Data Summary

Table 3 - Single-Ended Impedance (Ω)					
Signal Risetime	35 ps	50 ps	100 ps	250 ps	500 ps
Maximum Impedance	54.5	53.9	53.6	52.8	51.7
Minimum Impedance	39.7	40.8	43.9	47.5	49.0

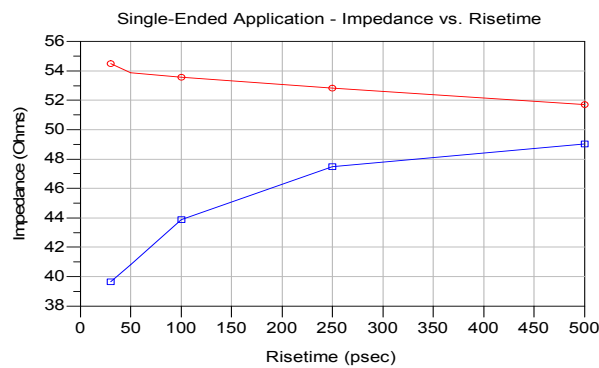
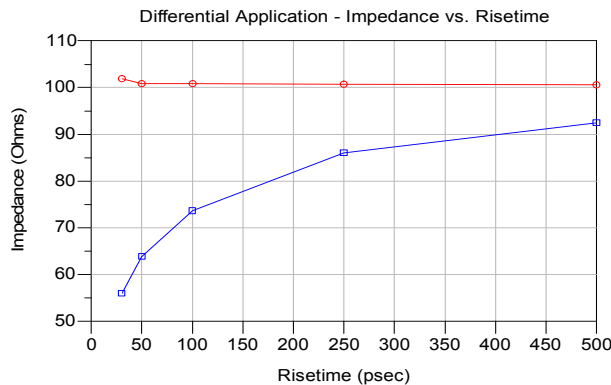


Table 4 - Differential Impedance (Ω)					
Signal Risetime	35 ps	50 ps	100 ps	250 ps	500 ps
Maximum Impedance	101.8	100.9	100.8	100.7	100.6
Minimum Impedance	56.0	63.9	73.7	86.1	92.5



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Table 5 - Single-Ended Crosstalk (%)						
Input(tr)		30±5ps	50 ps	100 ps	250 ps	500 ps
NEXT	GAQG	17.8	17.0	13.4	6.6	3.4
	GAGQG	4.9	2.5	1.5	0.8	0.5
	Xrow	3.0	2.6	1.8	0.8	0.4
FEXT	GAQG	6.3	4.6	2.3	1.0	0.5
	GAGQG	5.1	3.6	1.6	0.6	0.3
	Xrow	1.0	0.5	0.1	0.1	< 0.1

Table 6 - Differential Crosstalk (%)						
Input(tr)		30±5ps	50 ps	100 ps	250 ps	500 ps
NEXT	GAAQQG	5.6	5.3	4.1	2.1	1.1
	GAAGQQG	1.2	0.6	0.3	0.2	0.1
	Xrow	0.6	0.5	0.4	0.2	0.1
FEXT	GAAQQG	1.7	1.4	1.0	0.5	0.2
	GAAGQQG	1.2	0.8	0.4	0.1	< 0.1
	Xrow	0.6	0.5	0.3	0.2	0.1

Table 7 - Propagation Delay (Mated Connector)	
Single-Ended	69 ps
Differential	72 ps