

Series: MEC1 Series

Description: Vertical Surface Mount, 1.0mm (.03937") Pitch, Mates w/ 1.60mm (.062") cards

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	56.6	54.3	54.1	52.0	51.9	51.4	51.4
Minimum Impedance	33.2	38.6	44.6	48.9	50.2	50.5	50.7

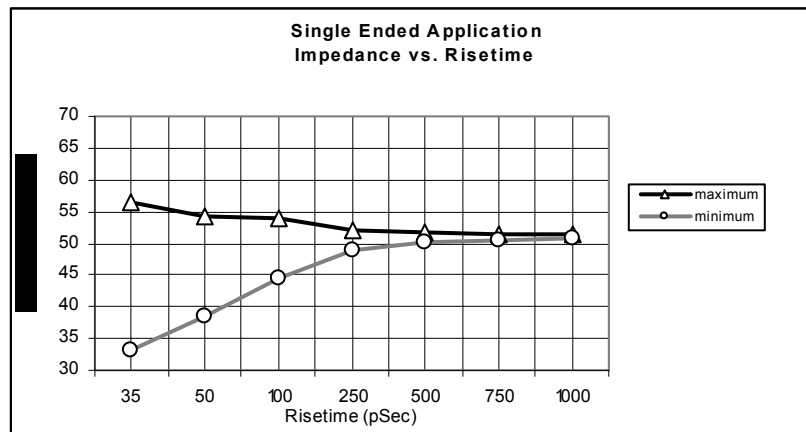
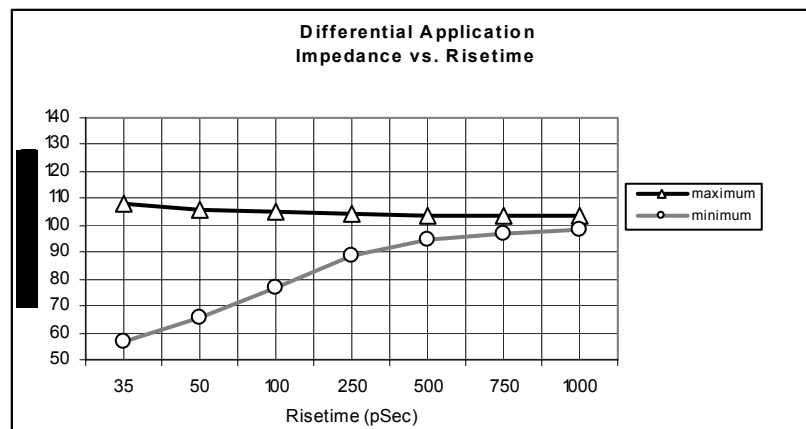


Table 4 - Differential Impedance (Ω)							
Signal Risetime	30 \pm 5ps	50 ps	100 ps	250 ps	500 ps	750 ps	1 ns
Maximum Impedance	108.1	105.8	104.8	104.3	103.9	103.6	103.4
Minimum Impedance	56.9	66.0	76.6	88.4	94.9	97.1	98.3



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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	13.9	13.1	11.3	6.4	3.7	2.6	2.0
	GAGQG	3.6	2.7	2.3	1.3	< 1.0%	< 1.0%	< 1.0%
	Xrow ^{se}	1.5	< 1.0%	< 1.0%	< 1.0%	< 1.0%	< 1.0%	< 1.0%
FEXT	GAQG	7.3	5.6	3.7	1.4	< 1.0%	< 1.0%	< 1.0%
	GAGQG	4.0	2.9	1.8	< 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	GAAQQSS	3.9	3.8	2.8	1.7	< 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%
FEXT	GAAQQSS	3.2	3.0	2.5	1.6	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	73ps
Differential	73ps