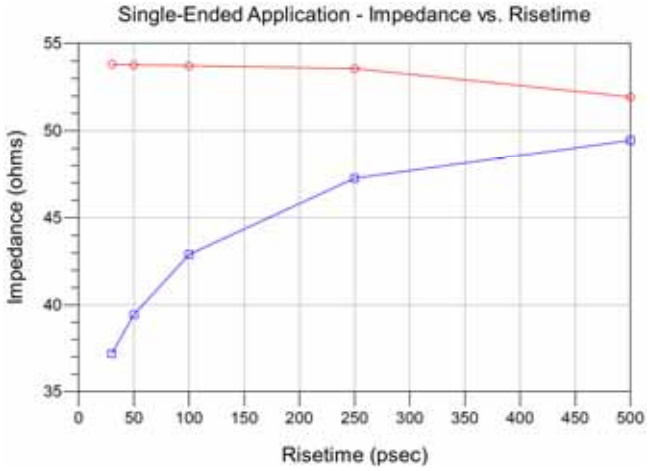
Series: MEC8-RA Series
Description: Mini Edge Card Right Angle, 0.8mm Pitch, mates to 1.6mm thick card

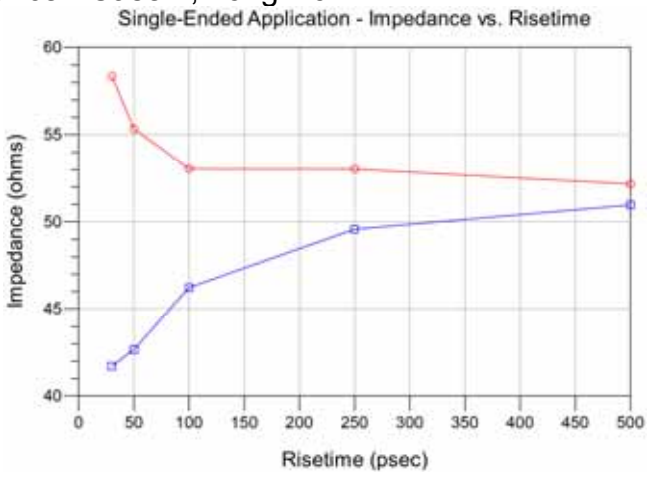
Time Domain Data Summary

Table 3 - Single-Ended Impedance (Ω) Case 1 = Short Row; Case 2 = Long Row						
Case	**Signal Rise-time**	**30ps**	**50ps**	**100ps**	**250ps**	**500ps**
1	**Maximum Impedance**	53.79	53.76	53.71	53.55	51.93
	Minimum Impedance	37.17	39.44	42.89	47.25	49.44
2	**Maximum Impedance**	58.35	55.33	53.03	53.01	52.16
	Minimum Impedance	41.70	42.66	46.22	49.57	50.96

Single-Ended Impedance - Case 1, Short Row



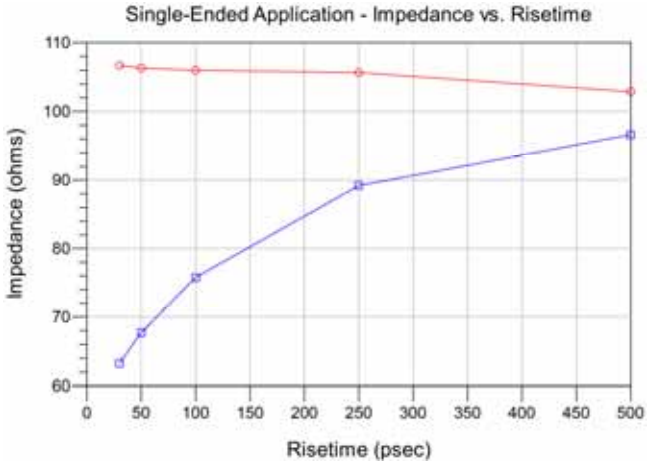
Single-Ended Impedance - Case 2, Long Row



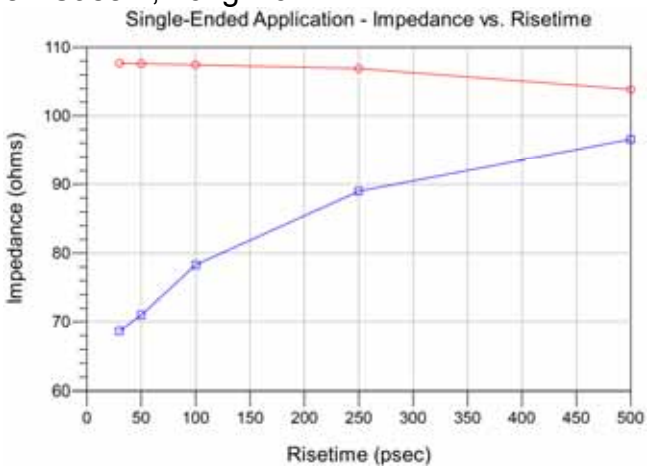
Series: MEC8-RA Series
Description: Mini Edge Card Right Angle, 0.8mm Pitch, mates to 1.6mm thick card

Table 4 - Differential Impedance (Ω) Case 1 = Short Row; Case 2 = Long Row						
Case	**Signal Rise-time**	**30ps**	**50ps**	**100ps**	**250ps**	**500ps**
1	**Maximum Impedance**	106.68	106.32	106.00	105.66	102.88
	Minimum Impedance	63.27	67.72	75.76	89.21	96.61
2	**Maximum Impedance**	107.70	107.62	107.46	106.91	103.86
	Minimum Impedance	68.65	70.99	78.29	88.99	96.54

Differential Impedance - Case 1, Short Row



Differential Impedance - Case 2, Long Row



Series: MEC8-RA Series
Description: Mini Edge Card Right Angle, 0.8mm Pitch, mates to 1.6mm thick card

Table 5 - Single-Ended Crosstalk (%)
Case 1 = Short Row; Case 2 = Long Row

Case	Input(t_r)	Configuration	Driver	Receiver	30ps	50ps	100ps	250ps	500ps
1	NEXT	GAQG	Edge_Card_21	Edge_Card_23	19.75	14.62	11.13	5.00	2.59
		GAGQG	Edge_Card_61	Edge_Card_65	3.80	3.01	1.96	0.82	0.41
		Xrow	Edge_Card_61	Edge_Card_62	2.16	1.81	1.29	0.57	0.27
	FEXT	GAQG	Edge_Card_21	MEC8-RA_23	5.15	4.16	2.22	0.66	0.23
		GAGQG	Edge_Card_61	MEC8-RA_65	3.45	2.49	1.29	0.47	0.27
		Xrow	Edge_Card_62	MEC8-RA_61	1.47	1.30	0.78	0.34	0.17
2	NEXT	GAQG	Edge_Card_22	Edge_Card_24	21.07	19.81	17.24	9.25	4.93
		GAGQG	Edge_Card_62	Edge_Card_66	3.03	2.79	2.13	1.17	0.53
	FEXT	GAQG	Edge_Card_22	MEC8-RA_24	6.39	4.11	2.46	0.86	0.39
		GAGQG	Edge_Card_62	MEC8-RA_66	3.32	2.40	1.28	0.52	0.20

Table 6 - Differential Crosstalk (%)
Case 1 = Short Row; Case 2 = Long Row

Case	Input(t_r)	Configuration	Driver	Receiver	30ps	50ps	100ps	250ps	500ps
1	NEXT	GAAQQG	Edge_Card_27,29	Edge_Card_31,33	4.33	3.43	2.67	1.49	0.71
		GAAGQQG	Edge_Card_27,29	Edge_Card_33,35	0.52	0.30	0.16	0.10	<0.1
		Xrow	Edge_Card_21,23	Edge_Card_22,24	0.49	0.44	0.31	0.16	<0.1
	FEXT	GAAQQG	Edge_Card_27,29	MEC8-RA_31,33	2.17	1.91	1.46	0.81	0.44
		GAAGQQG	Edge_Card_27,29	MEC8-RA_33,35	0.33	0.24	0.13	<0.1	<0.1
		Xrow	Edge_Card_22,24	MEC8-RA_21,23	0.56	0.47	0.29	0.14	<0.1
2	NEXT	GAAQQG	Edge_Card_28,30	Edge_Card_32,34	5.84	5.18	4.58	2.72	1.47
		GAAGQQG	Edge_Card_28,30	Edge_Card_34,36	0.58	0.46	0.31	0.16	<0.1
	FEXT	GAAQQG	Edge_Card_28,30	MEC8-RA_32,34	1.93	1.43	1.17	0.73	0.39
		GAAGQQG	Edge_Card_28,30	MEC8-RA_34,36	0.40	0.30	0.16	<0.1	<0.1

Table 7 - Propagation Delay (Mated Connector)
Case 1 = Short Row; Case 2 = Long Row

Case 1	**Single-Ended**	30 ps
	Differential	25 ps
Case 2	**Single-Ended**	65 ps
	Differential	60 ps