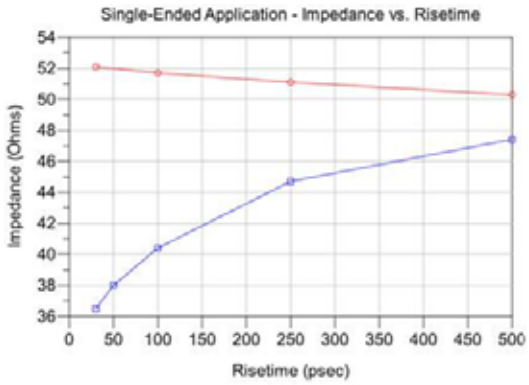
Series: MEC6-RA
Description: Mini Edge-Card Socket, Right Angle, Surface Mount,
0.635mm (0.025") Pitch, Mated with 1.60mm (0.062") thick load card

Time Domain Data Summary

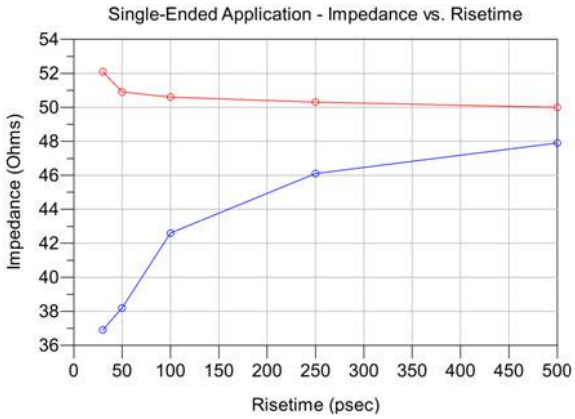
Table 3 - Single-Ended Impedance (Ω)
Case 1 = Short Row; Case 2 = Long Row

Case	Signal Rise-time	30ps	50ps	100ps	250ps	500ps
1	Maximum Impedance	52.1	52.0	51.7	51.1	50.3
	Minimum Impedance	36.5	38.0	40.4	44.7	47.4
2	Maximum Impedance	52.1	50.9	50.6	50.3	50.0
	Minimum Impedance	36.9	38.2	42.6	46.1	47.9

Single-Ended Impedance - Case 1, Short Row



Single-Ended Impedance - Case 2, Long Row



Series: MEC6-RA
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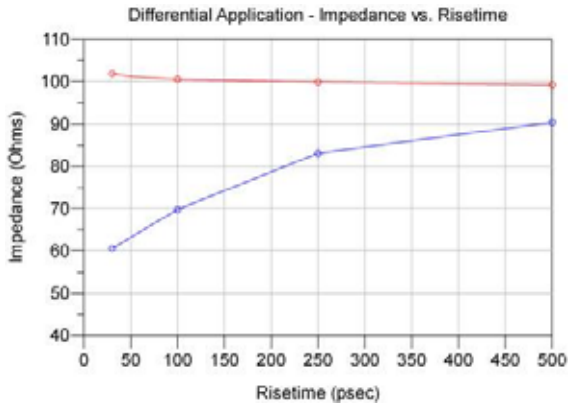
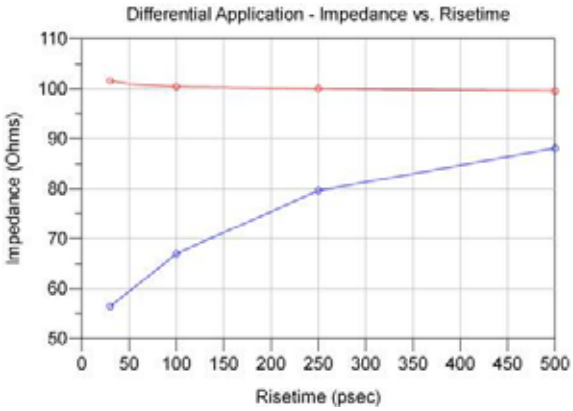
Table 4 - Differential Impedance (Ω) Case 1 = Short Row; Case 2 = Long Row						
Case	**Signal Rise-time**	**30ps**	**50ps**	**100ps**	**250ps**	**500ps**
1	**Maximum Impedance**	101.9	101.2	100.5	99.9	99.2
	Minimum Impedance	60.6	63.2	69.8	83.1	90.4
2	**Maximum Impedance**	101.6	100.9	100.4	100.0	99.5
	Minimum Impedance	56.5	59.4	67.0	79.6	88.1

Differential Impedance - Case 1, Short Row



Differential Impedance - Case 2, Long Row



Series: MEC6-RA
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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_57	Edge_Card_59	17.08	15.04	12.16	5.52	2.89
		GAGQG	Edge_Card_15	Edge_Card_19	2.89	2.49	1.67	0.74	0.39
		Xrow	Edge_Card_57	Edge_Card_58	1.53	1.42	0.95	0.42	0.18
	FEXT	GAQG	Edge_Card_57	MEC6-RA_59	4.77	3.78	2.38	1.06	0.62
		GAGQG	Edge_Card_15	MEC6-RA_19	2.75	2.19	1.18	0.45	0.26
		Xrow	Edge_Card_58	MEC6-RA_57	0.91	0.67	0.33	0.10	<0.1
2	NEXT	GAQG	Edge_Card_58	Edge_Card_60	20.69	19.69	17.64	9.84	5.43
		GAGQG	Edge_Card_16	Edge_Card_20	2.55	2.38	1.92	1.00	0.58
	FEXT	GAQG	Edge_Card_58	MEC6-RA_60	2.75	2.19	1.18	0.45	0.26
		GAGQG	Edge_Card_16	MEC6-RA_20	2.67	1.92	1.00	0.37	0.10

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_39,41	Edge_Card_43,45	5.21	4.22	3.16	1.77	0.88
		GAAGQQG	Edge_Card_39,41	Edge_Card_45,47	0.39	0.26	0.16	<0.1	<0.1
		Xrow	Edge_Card_57,59	Edge_Card_58,60	0.23	0.19	0.13	<0.1	<0.1
	FEXT	GAAQQG	Edge_Card_39,41	MEC6-RA_43,45	2.53	2.27	1.74	0.94	0.51
		GAAGQQG	Edge_Card_39,41	MEC6-RA_45,47	0.36	0.26	0.10	<0.1	<0.1
		Xrow	Edge_Card_57,59	MEC6-RA_58,60	0.24	0.17	<0.1	<0.1	<0.1
2	NEXT	GAAQQG	Edge_Card_40,42	Edge_Card_44,46	6.23	5.81	5.10	3.13	1.78
		GAAGQQG	Edge_Card_40,42	Edge_Card_46,48	0.50	0.41	0.28	0.15	<0.1
	FEXT	GAAQQG	Edge_Card_40,42	MEC6-RA_44,46	2.14	1.86	1.68	1.02	0.58
		GAAGQQG	Edge_Card_40,42	MEC6-RA_46,48	0.43	0.29	0.18	<0.1	<0.1

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

Case 1	**Single-Ended**	40 ps
	Differential	32 ps
Case 2	**Single-Ended**	73 ps
	Differential	66 ps