

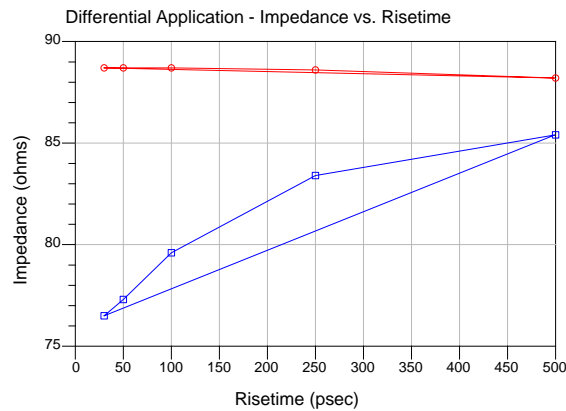
Series: MEC5-RA

Description: High Speed Mini Edge Card Connector, Right-Angle, SMT Tails, 0.5mm (.0197") Pitch, Mates with 1.60mm (.062") thick cards

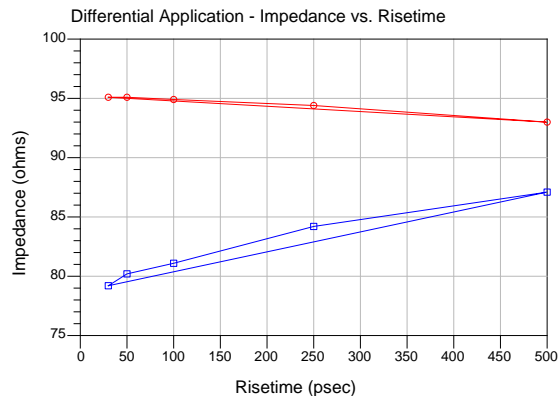
Time Domain Data Summary

Table 3 - Differential Impedance (Ω)-85 Ohm						
	Signal Rise-time	30ps	50ps	100ps	250ps	500ps
Short Row	Maximum Impedance	88.7	88.7	88.7	88.6	88.2
	Minimum Impedance	76.5	77.3	79.6	83.4	85.4
Long Row	Maximum Impedance	95.1	95.1	94.9	94.4	93.0
	Minimum Impedance	79.2	80.2	81.1	84.2	87.1

Short Row (Edge-Card_37,39_MEC5-RA_37,39)



Long Row (Edge-Card_38,40_MEC5-RA_38,40)

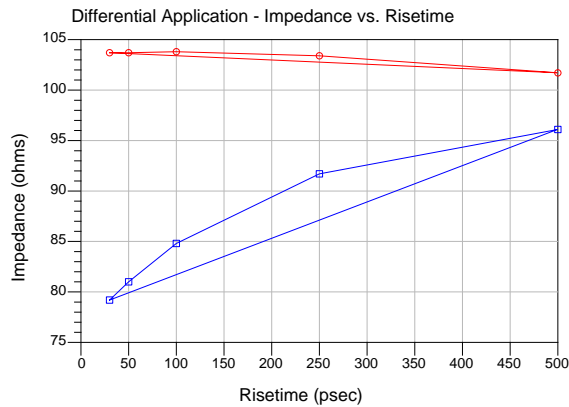


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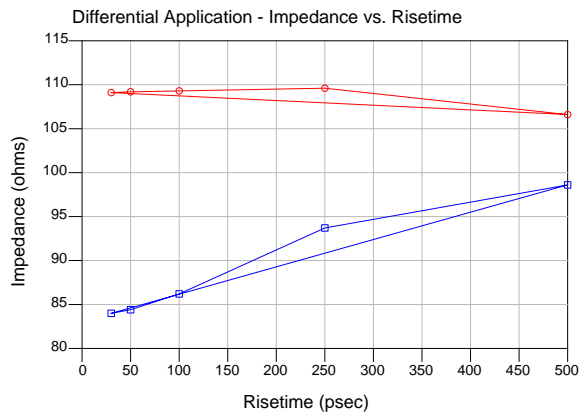
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Table 4 - Differential Impedance (Ω)-100 Ohm						
	Signal Rise-time	30ps	50ps	100ps	250ps	500ps
Short Row	Maximum Impedance	103.7	103.7	103.8	103.4	101.7
	Minimum Impedance	79.2	81.0	84.8	91.7	96.1
Long Row	Maximum Impedance	109.1	109.2	109.3	109.6	106.6
	Minimum Impedance	84.0	84.4	86.2	93.7	98.6

Short Row (Edge-Card_39,41_MEC5-RA_39,41)



Long Row (Edge-Card_40,42_MEC5-RA_40,42)



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Table 5 - Differential Crosstalk (%) -85 Ohm						
Input(t,r)	Driver	Receiver	30ps	50ps	100ps	250ps
NEXT	Edge-Card_37,39	Edge-Card_29,31	0.14	<0.1	<0.1	<0.1
	Edge-Card_37,39	Edge-Card_45,47	0.13	<0.1	<0.1	<0.1
	Edge-Card_37,39	Edge-Card_34,36	<0.1	<0.1	<0.1	<0.1
	Edge-Card_37,39	Edge-Card_42,44	<0.1	<0.1	<0.1	<0.1
	Edge-Card_38,40	Edge-Card_30,32	0.13	<0.1	<0.1	<0.1
	Edge-Card_38,40	Edge-Card_46,48	0.15	<0.1	<0.1	<0.1
	Edge-Card_38,40	Edge-Card_33,35	<0.1	<0.1	<0.1	<0.1
	Edge-Card_38,40	Edge-Card_41,43	<0.1	<0.1	<0.1	<0.1
FEXT	Edge-Card_37,39	MEC5-RA_29,31	0.42	0.31	0.16	<0.1
	Edge-Card_37,39	MEC5-RA_45,47	0.44	0.33	0.17	<0.1
	Edge-Card_37,39	MEC5-RA_34,36	<0.1	<0.1	<0.1	<0.1
	Edge-Card_37,39	MEC5-RA_42,44	<0.1	<0.1	<0.1	<0.1
	Edge-Card_38,40	MEC5-RA_30,32	0.31	0.21	0.11	<0.1
	Edge-Card_38,40	MEC5-RA_46,48	0.30	0.20	<0.1	<0.1
	Edge-Card_38,40	MEC5-RA_33,35	<0.1	<0.1	<0.1	<0.1
	Edge-Card_38,40	MEC5-RA_41,43	<0.1	<0.1	<0.1	<0.1

Table 6 - Differential Crosstalk (%) -100 Ohm						
Input(t,r)	Driver	Receiver	30ps	50ps	100ps	250ps
NEXT	Edge-Card_39,41	Edge-Card_33,35	0.31	0.30	0.25	0.14
	Edge-Card_39,41	Edge-Card_45,47	0.31	0.29	0.26	0.15
	Edge-Card_39,41	Edge-Card_40,42	0.16	0.12	<0.1	<0.1
	Edge-Card_39,41	Edge-Card_46,48	<0.1	<0.1	<0.1	<0.1
	Edge-Card_40,42	Edge-Card_34,36	0.32	0.26	0.24	0.15
	Edge-Card_40,42	Edge-Card_46,48	0.31	0.28	0.25	0.15
	Edge-Card_40,42	Edge-Card_39,41	0.15	0.11	<0.1	<0.1
	Edge-Card_40,42	Edge-Card_45,47	<0.1	<0.1	<0.1	<0.1
FEXT	Edge-Card_39,41	MEC5-RA_33,35	0.42	0.30	0.14	<0.1
	Edge-Card_39,41	MEC5-RA_45,47	0.43	0.31	0.15	<0.1
	Edge-Card_39,41	MEC5-RA_40,42	<0.1	<0.1	<0.1	<0.1
	Edge-Card_39,41	MEC5-RA_46,48	<0.1	<0.1	<0.1	<0.1
	Edge-Card_40,42	MEC5-RA_34,36	0.45	0.30	0.14	<0.1
	Edge-Card_40,42	MEC5-RA_46,48	0.45	0.30	0.14	<0.1
	Edge-Card_40,42	MEC5-RA_39,41	<0.1	<0.1	<0.1	<0.1
	Edge-Card_40,42	MEC5-RA_45,47	<0.1	<0.1	<0.1	<0.1

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Table 7 - Propagation Delay (Mated Connector)	
Differential Short Row (85 Ohm)	72 ps
Differential Long Row (85 Ohm)	85 ps
Differential Short Row (100 Ohm)	72 ps
Differential Long Row (100 Ohm)	82 ps