

Series: MEC5-DV

Description: High Speed Mini Edge Card Connector, Vertical, 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
Maximum Impedance	93.2	93.1	93.0	92.2	92.8
Minimum Impedance	78.8	80.2	82.4	85.9	87.8

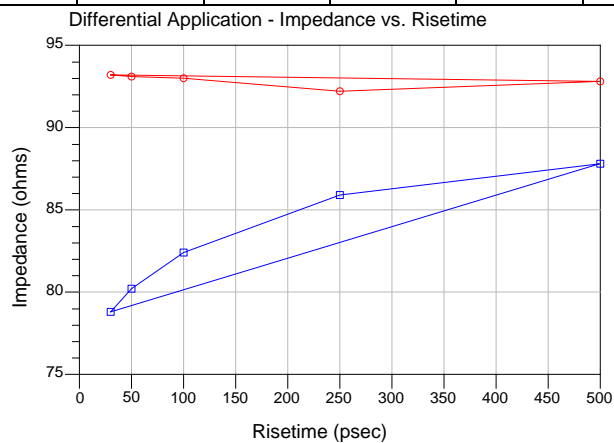
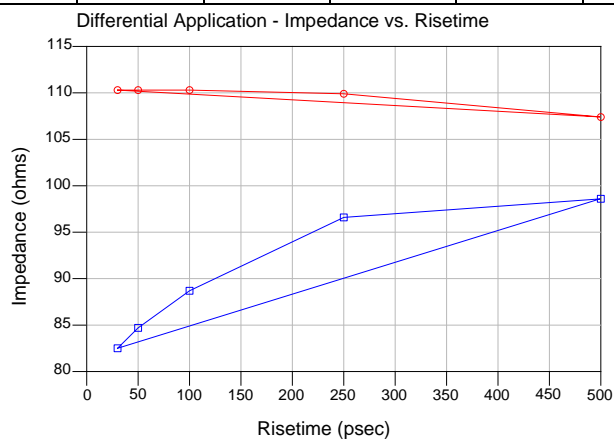


Table 4 - Differential Impedance (Ω)-100 Ohm					
Signal Rise-time	30ps	50ps	100ps	250ps	500ps
Maximum Impedance	110.3	110.3	110.3	109.9	107.4
Minimum Impedance	82.5	84.7	88.7	96.6	98.6



Series: MEC5-DV

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

Table 5 - Differential Crosstalk (%) -85 Ohm							
Input(tr)	Driver	Receiver	30ps	50ps	100ps	250ps	500ps
NEXT	Edge-Card_37,39	Edge-Card_29,31	<0.1	<0.1	<0.1	<0.1	<0.1
	Edge-Card_37,39	Edge-Card_45,47	0.10	<0.1	<0.1	0.10	<0.1
	Edge-Card_37,39	Edge-Card_34,36	<0.1	<0.1	<0.1	<0.1	<0.1
	Edge-Card_37,39	Edge-Card_42,44	<0.1	<0.1	<0.1	<0.1	<0.1
FEXT	Edge-Card_37,39	MEC5-DV_29,31	0.36	0.22	0.11	<0.1	<0.1
	Edge-Card_37,39	MEC5-DV_45,47	0.39	0.24	0.12	<0.1	<0.1
	Edge-Card_37,39	MEC5-DV_34,36	<0.1	<0.1	<0.1	<0.1	<0.1
	Edge-Card_37,39	MEC5-DV_42,44	<0.1	<0.1	<0.1	<0.1	<0.1

Table 6 - Differential Crosstalk (%) -100 Ohm							
Input(tr)	Driver	Receiver	30ps	50ps	100ps	250ps	500ps
NEXT	Edge-Card_40,42	Edge-Card_34,36	0.33	0.29	0.24	0.16	<0.1
	Edge-Card_40,42	Edge-Card_46,48	0.33	0.29	0.23	0.15	<0.1
	Edge-Card_40,42	Edge-Card_39,41	0.13	0.10	<0.1	<0.1	<0.1
	Edge-Card_40,42	Edge-Card_45,47	<0.1	<0.1	<0.1	<0.1	<0.1
FEXT	Edge-Card_40,42	MEC5-DV_34,36	0.46	0.28	0.13	<0.1	<0.1
	Edge-Card_40,42	MEC5-DV_46,48	0.49	0.30	0.14	<0.1	<0.1
	Edge-Card_40,42	MEC5-DV_39,41	<0.1	<0.1	<0.1	<0.1	<0.1
	Edge-Card_40,42	MEC5-DV_45,47	<0.1	<0.1	<0.1	<0.1	<0.1

Table 7 - Propagation Delay (Mated Connector)	
Differential (85 Ohm)	64 ps
Differential (100 Ohm)	63 ps