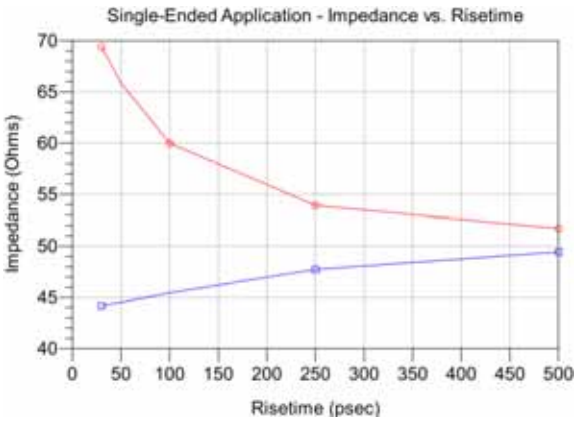
Series: ERF8-RA/ERM8-RA
Description: Edge Rate Series Board-to-Board, 0.8mm Pitch, Right Angle to Right Angle

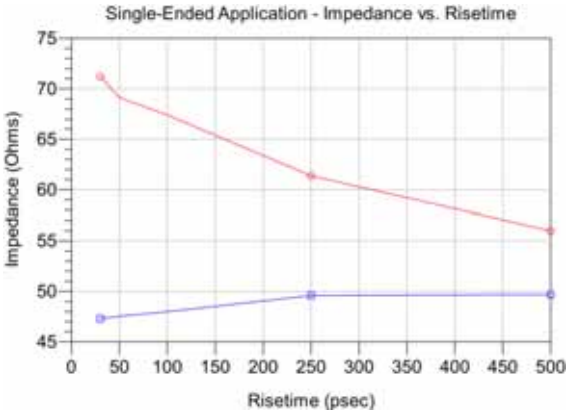
Time Domain Data Summary

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**	69.4	65.9	60.0	53.9	51.7
	Minimum Impedance	44.2	44.5	45.5	47.7	49.4
2	**Maximum Impedance**	71.2	69.1	67.4	61.4	56.0
	Minimum Impedance	47.3	47.5	48.0	49.6	49.7

Single-Ended Impedance - Case 1, Short Row



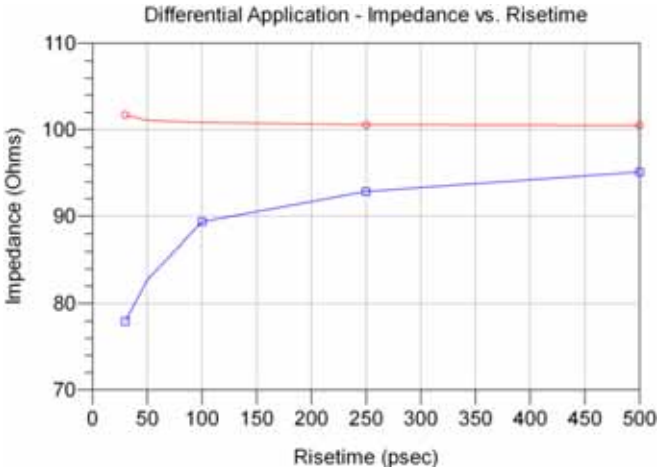
Single-Ended Impedance - Case 2, Long Row



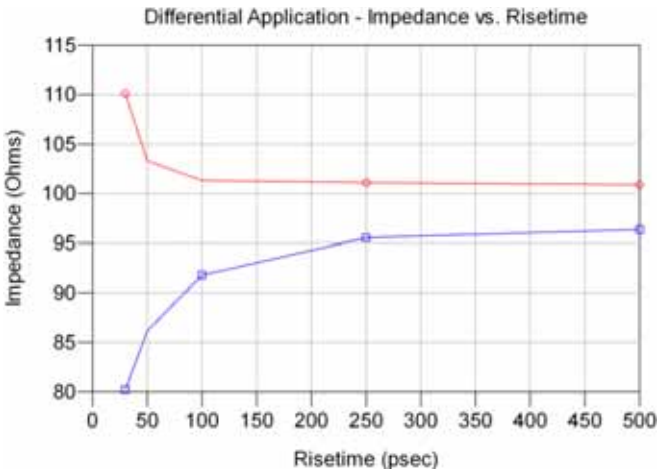
Series: ERF8-RA/ERM8-RA
Description: Edge Rate Series Board-to-Board, 0.8mm Pitch, Right Angle to Right Angle

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**	101.7	101.1	100.8	100.6	100.5
	Minimum Impedance	77.9	82.7	89.3	92.8	95.1
2	**Maximum Impedance**	110.1	103.3	101.3	101.1	100.9
	Minimum Impedance	80.2	86.2	91.8	95.5	96.3

Differential Impedance - Case 1, Short Row



Differential Impedance - Case 2, Long Row



Series: ERF8-RA/ERM8-RA
Description: Edge Rate Series Board-to-Board, 0.8mm Pitch, Right Angle to Right Angle

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

Case	Input(t_r)		30ps	50ps	100ps	250ps	500ps
1	NEXT	GAQG	18.23	16.36	14.18	7.67	4.22
		GAGQG	2.28	1.81	1.00	0.29	0.15
		Xrow	1.37	1.06	0.78	0.54	0.34
	FEXT	GAQG	12.29	9.25	6.23	3.17	1.60
		GAGQG	6.88	4.75	2.57	1.03	0.55
		Xrow	0.78	0.49	0.32	0.18	0.11
2	NEXT	GAQG	20.11	19.24	18.51	13.72	8.43
		GAGQG	2.79	2.31	2.07	1.60	1.00
	FEXT	GAQG	6.88	4.75	2.57	1.03	0.55
		GAGQG	2.47	1.64	0.96	0.61	0.38

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

Case	Input(t_r)		30ps	50ps	100ps	250ps	500ps
1	NEXT	GAAQQG	6.50	5.64	4.78	2.61	1.42
		GAAGQQG	0.46	0.37	0.28	0.14	0.10
		Xrow	0.33	0.26	0.16	0.10	0.16
	FEXT	GAAQQG	1.03	0.80	0.48	0.19	0.10
		GAAGQQG	0.38	0.21	<0.1	<0.1	<0.1
		Xrow	0.14	<0.1	<0.1	<0.1	<0.1
2	NEXT	GAAQQG	6.16	5.88	5.61	4.02	2.49
		GAAGQQG	0.49	0.40	0.36	0.27	0.21
	FEXT	GAAQQG	2.73	1.80	0.92	0.39	0.24
		GAAGQQG	0.47	0.31	0.16	<0.1	<0.1

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

Case 1	**Single-Ended**	82 ps
	Differential	68 ps
Case 2	**Single-Ended**	130 ps
	Differential	121 ps

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