

Series: SEAFP/SEAM Array Series

Description: 1.27mm x 1.27mm grid interconnect system, 14 mm Stack Height

Time Domain Data Summary

Table 6 – Single-End Impedance (Ω) – 1:1 S/G Pattern					
Signal Risetime	30 ps	50 ps	100 ps	250 ps	500 ps
Maximum Impedance	60.44	59.42	56.57	53.59	52.93
Minimum Impedance	47.74	48.26	49.32	49.99	50.04

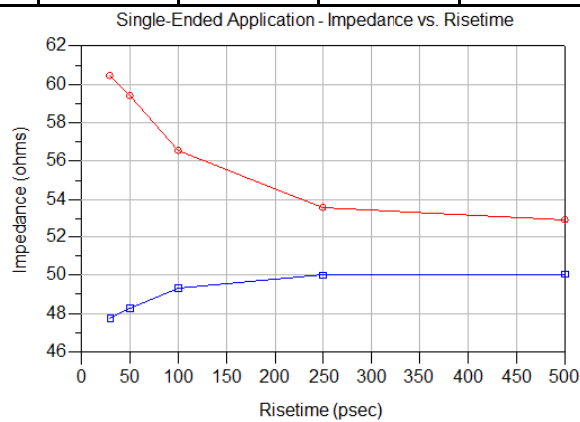
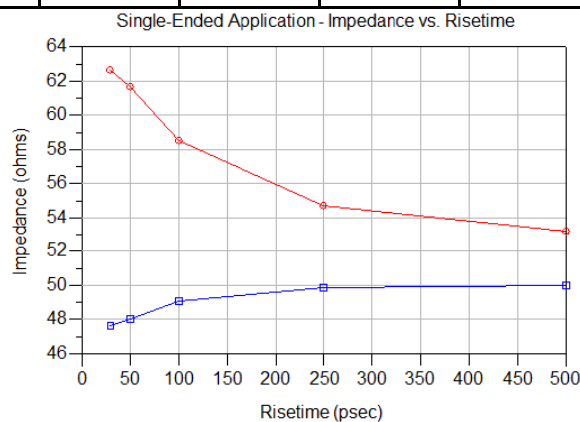


Table 7 – Single-End Impedance (Ω) – 2:1 S/G Pattern					
Signal Risetime	30 ps	50 ps	100 ps	250 ps	500 ps
Maximum Impedance	62.66	61.66	58.51	54.72	53.19
Minimum Impedance	47.62	48.04	49.06	49.84	50.01



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Table 8 – Differential Impedance (Ω) – Optimal Horizontal					
Signal Risetime	30 ps	50 ps	100 ps	250 ps	500 ps
Maximum Impedance	103.49	103.15	102.7	101.82	100.57
Minimum Impedance	83.70	86.75	91.71	95.39	98.16

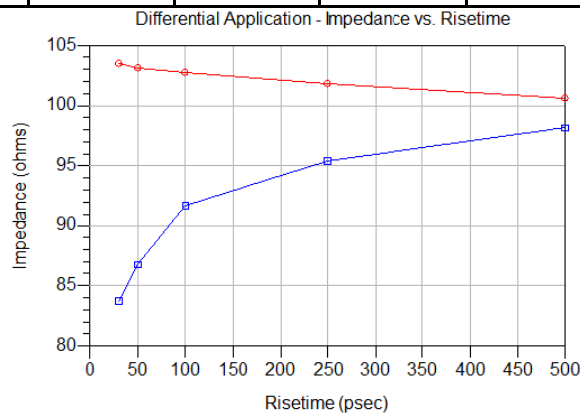
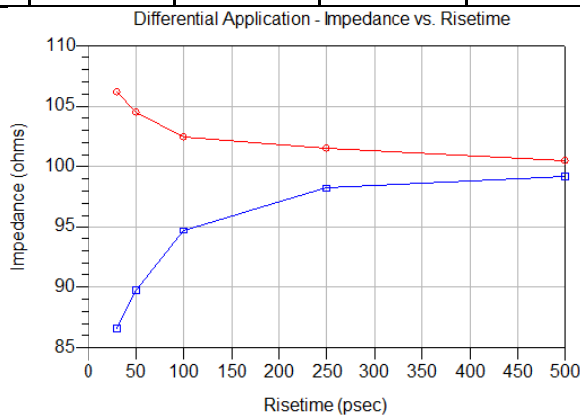


Table 9 – Differential Impedance (Ω) – Optimal Vertical					
Signal Risetime	30 ps	50 ps	100 ps	250 ps	500 ps
Maximum Impedance	106.20	104.47	102.43	101.53	100.54
Minimum Impedance	86.58	89.72	94.70	98.24	99.21

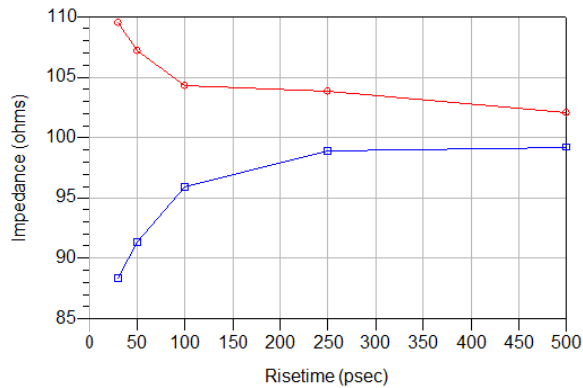


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Table 10 – Differential Impedance (Ω) – High Density Vertical					
Signal Risetime	30 ps	50 ps	100 ps	250 ps	500 ps
Maximum Impedance	109.46	107.20	104.28	103.87	102.07
Minimum Impedance	88.35	91.35	95.98	98.96	99.25

Differential Application - Impedance vs. Risetime

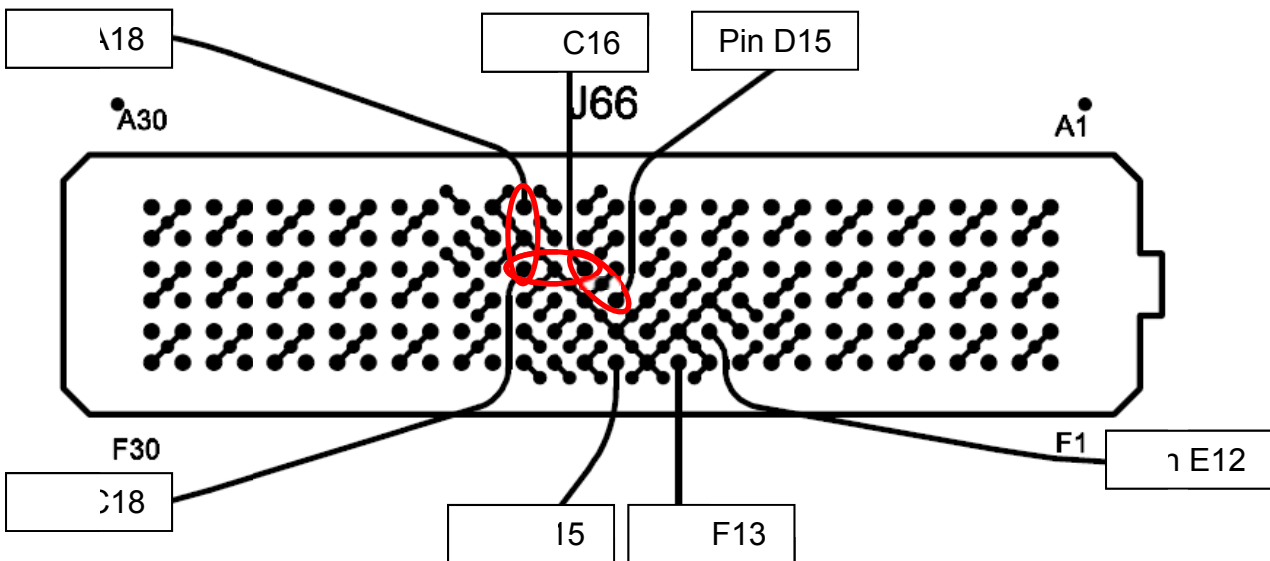


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Table 11 - Single-Ended Crosstalk (%) – 1:1 S/G Pattern							
Input(tr)	Driver	Receiver	30 ps	50 ps	100 ps	250 ps	500 ps
NEXT	SEAM_A18	SEAM_C18	0.27	0.25	0.21	0.14	<0.1
	SEAM_C16	SEAM_C18	0.63	0.6	0.45	0.26	0.15
	SEAM_C16	SEAM_D15	2.71	2.43	2.22	1.37	0.75
FEXT	SEAM_A18	SEAFP_C18	0.25	0.2	0.17	0.11	<0.1
	SEAM_C16	SEAFP_C18	0.29	0.26	0.2	0.12	<0.1
	SEAM_C16	SEAFP_D15	0.99	0.84	0.66	0.33	0.2

Single-Ended 1:1 S/G Pattern Crosstalk Pin Map



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Table 12 - Single-Ended Crosstalk (%) – 2:1 S/G Pattern							
Input(tr)	Driver	Receiver	30 ps	50 ps	100 ps	250 ps	500 ps
NEXT	SEAM_E10	SEAM_F10	9.67	8.67	8.12	5.31	3.05
	SEAM_E10	SEAM_F11	4.5	4	3.61	2.35	1.42
	SEAM_F10	SEAM_F11	16.5	16.19	15.05	9.84	5.59
FEXT	SEAM_E10	SEAFP_F10	3.95	3.37	2.79	1.67	0.99
	SEAM_E10	SEAFP_F11	2.71	2.48	2.16	1.34	0.79
	SEAM_F10	SEAFP_F11	6.68	5.09	4.23	2.74	1.63

Single-Ended 2:1 S/G Pattern Crosstalk Pin Map

