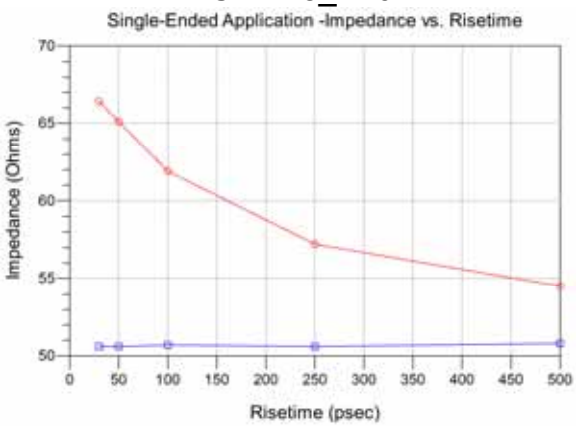
Series: SEAM8/SEAF8-RA Array Series
Description: 0.8mm x 0.8mm grid interconnect system, Vertical Male to Right Angle Female

Time Domain Data Summary

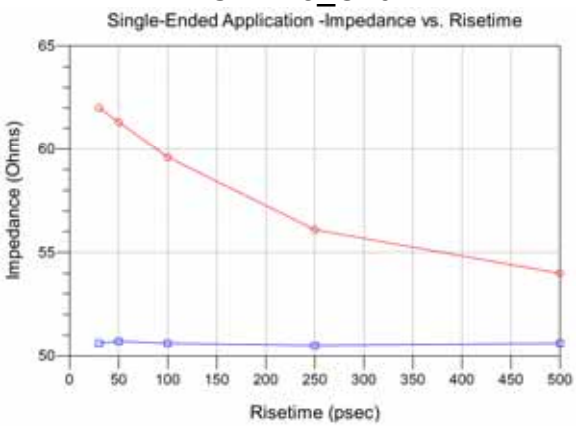
Table 6 – Single-End Impedance (Ω) – 1:1 S/G Pattern						
Driver	**Signal Risetime**	**30 ps**	**50 ps**	**100 ps**	**250 ps**	**500 ps**
SEAM8_A26	**Maximum Impedance**	66.4	65.1	61.9	57.2	54.5
	Minimum Impedance	50.6	50.6	50.7	50.6	50.8
SEAM8_C26	**Maximum Impedance**	62.0	61.3	59.6	56.1	54.0
	Minimum Impedance	50.6	50.7	50.6	50.5	50.6
SEAM8_D27	**Maximum Impedance**	61.7	61.2	60.1	56.3	53.7
	Minimum Impedance	49.5	49.5	49.6	49.7	50.1
SEAM8_F27	**Maximum Impedance**	61.5	61.0	59.9	56.8	54.3
	Minimum Impedance	49.6	49.7	49.9	50.1	50.2
SEAM8_H25	**Maximum Impedance**	61.9	61.2	59.9	57.3	55.0
	Minimum Impedance	50.6	50.7	50.6	50.5	50.6
SEAM8_K25	**Maximum Impedance**	66.8	66.0	64.3	61.6	57.9
	Minimum Impedance	50.0	50.1	50.1	50.0	50.2

Series: SEAM8/SEAF8-RA Array Series
Description: 0.8mm x 0.8mm grid interconnect system, Vertical Male to Right Angle Female

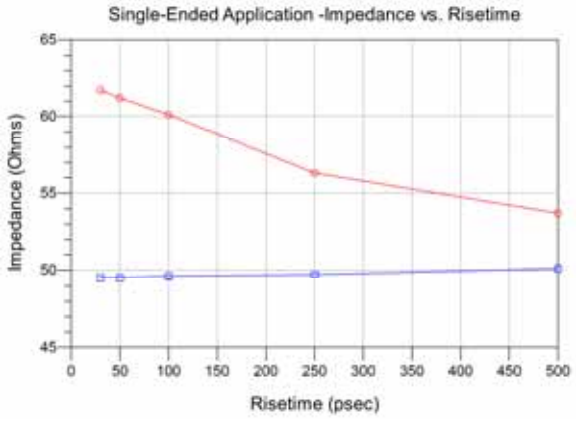
SEAM8_A26



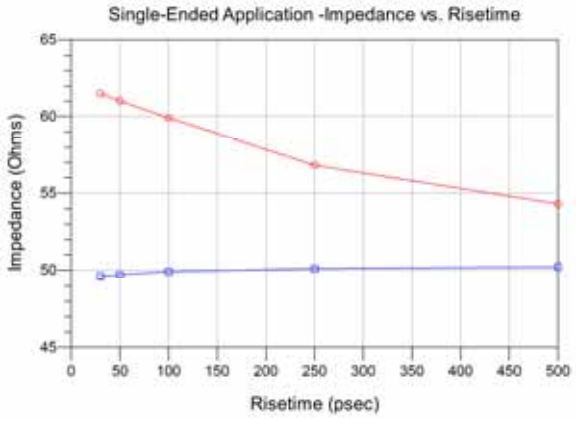
SEAM8_C26



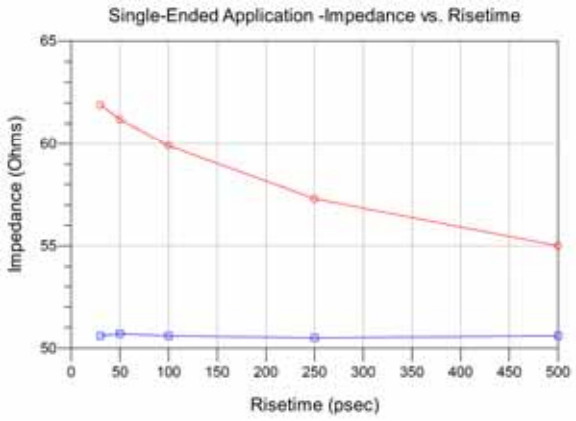
SEAM8_D27



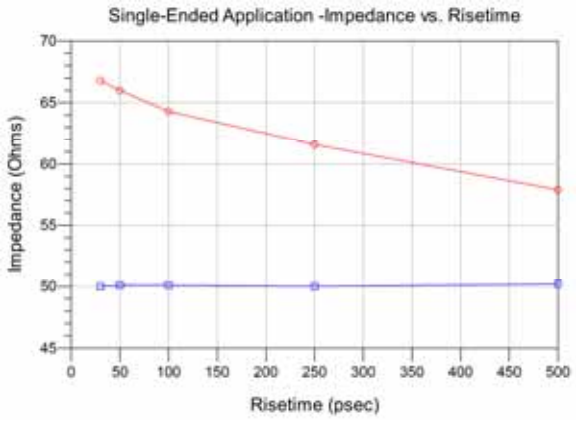
SEAM8_F27



SEAM8_H25



SEAM8_K25

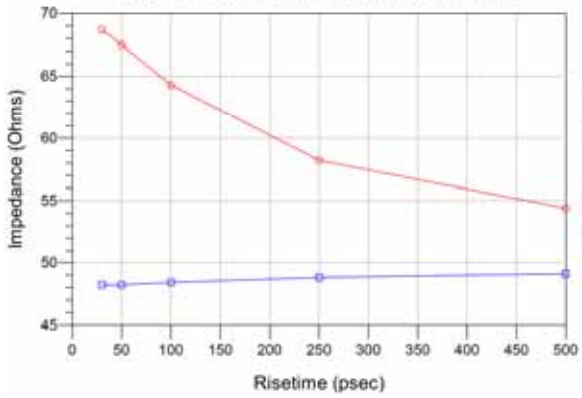


Series: SEAM8/SEAF8-RA Array Series
Description: 0.8mm x 0.8mm grid interconnect system, Vertical Male to Right Angle Female

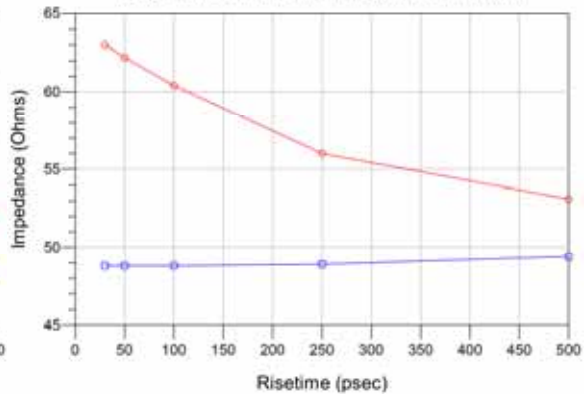
Table 7 – Single-End Impedance (Ω) – 2:1 S/G Pattern						
Driver	**Signal Risetime**	**30 ps**	**50 ps**	**100 ps**	**250 ps**	**500 ps**
SEAM8_A27	**Maximum Impedance**	68.7	67.5	64.3	58.2	54.4
	Minimum Impedance	48.2	48.2	48.4	48.8	49.1
SEAM8_B27	**Maximum Impedance**	63.0	62.2	60.4	56.0	53.1
	Minimum Impedance	48.8	48.8	48.8	48.9	49.4
SEAM8_C28	**Maximum Impedance**	63.5	62.9	61.5	57.0	53.8
	Minimum Impedance	48.7	48.7	48.8	48.9	49.5
SEAM8_H22	**Maximum Impedance**	63.9	63.3	62.1	58.9	55.4
	Minimum Impedance	49.2	49.3	49.4	49.7	49.9
SEAM8_J23	**Maximum Impedance**	63.0	62.4	61.4	58.8	55.4
	Minimum Impedance	48.7	48.7	49.0	49.4	49.8
SEAM8_K23	**Maximum Impedance**	69.0	68.2	66.7	63.8	59.0
	Minimum Impedance	48.9	49.0	49.1	49.3	49.8

Series: SEAM8/SEAF8-RA Array Series
Description: 0.8mm x 0.8mm grid interconnect system, Vertical Male to Right Angle Female

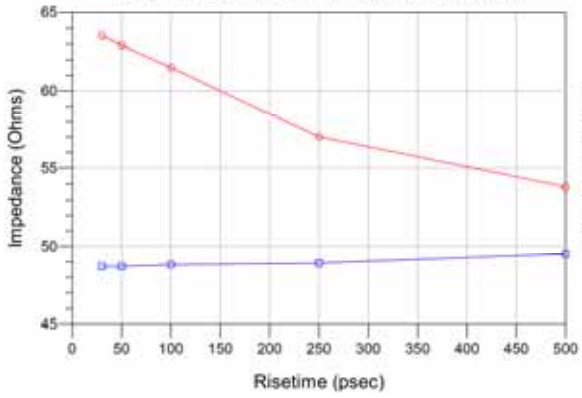
SEAM8_A27



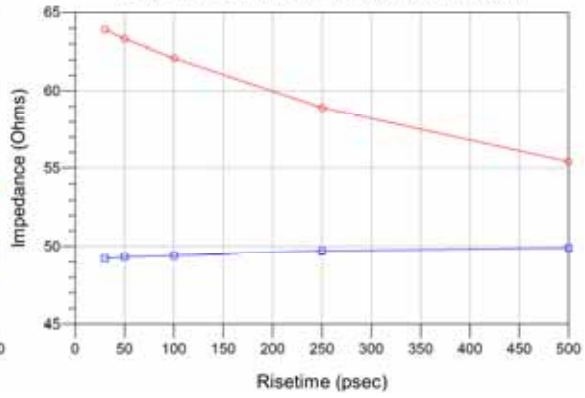
SEAM8_B27



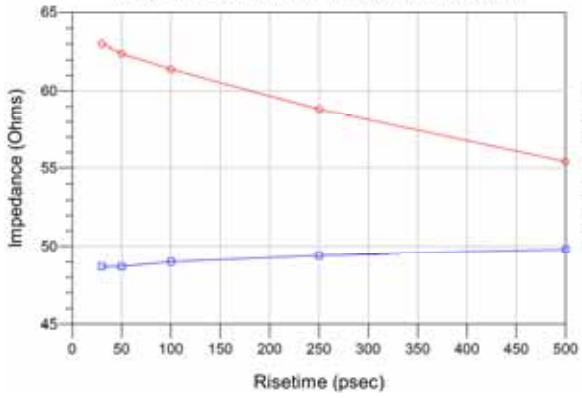
SEAM8_C28



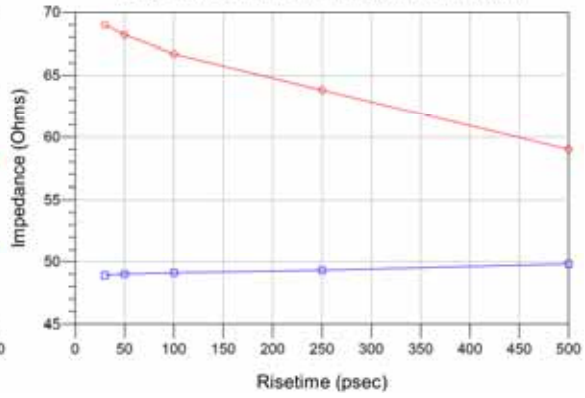
SEAM8_H22



SEAM8_J23



SEAM8_K23

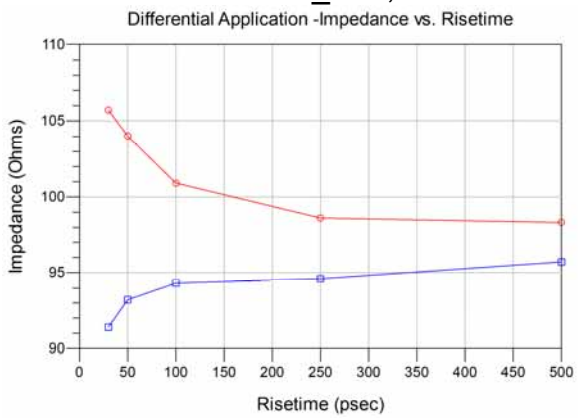


Series: SEAM8/SEAF8-RA Array Series
Description: 0.8mm x 0.8mm grid interconnect system, Vertical Male to Right Angle Female

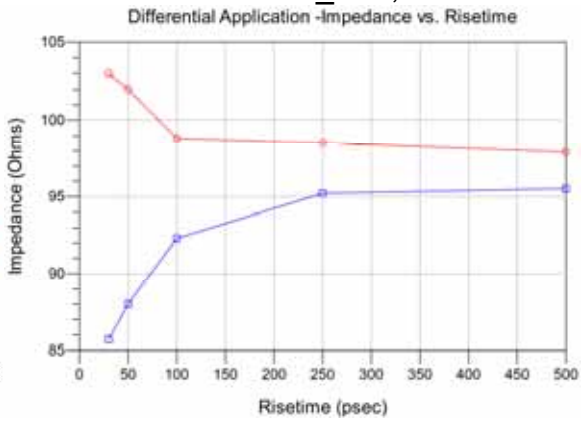
Table 8 – Differential Impedance (Ω) – Optimal Horizontal						
Driver	**Signal Risetime**	**30 ps**	**50 ps**	**100 ps**	**250 ps**	**500 ps**
SEAM8_A27,A28	**Maximum Impedance**	105.7	104.0	100.9	98.6	98.3
	Minimum Impedance	91.4	93.2	94.3	94.6	95.7
SEAM8_B25,B26	**Maximum Impedance**	103.0	102.0	98.8	98.5	97.9
	Minimum Impedance	85.7	88.0	92.3	95.2	95.5
SEAM8_C27,C28	**Maximum Impedance**	102.6	101.7	99.3	97.6	97.6
	Minimum Impedance	85.0	87.5	91.9	95.1	95.5
SEAM8_H25,H26	**Maximum Impedance**	103.6	103.0	101.5	100.7	99.7
	Minimum Impedance	87.2	89.6	94.1	98.1	98.6
SEAM8_J23,J24	**Maximum Impedance**	103.0	102.2	100.7	99.8	99.1
	Minimum Impedance	86.0	88.5	93.2	97.2	97.6
SEAM8_K25,K26	**Maximum Impedance**	106.2	105.1	103.0	100.8	100.4
	Minimum Impedance	91.3	93.4	96.7	99.3	99.7

Series: SEAM8/SEAF8-RA Array Series
Description: 0.8mm x 0.8mm grid interconnect system, Vertical Male to Right Angle Female

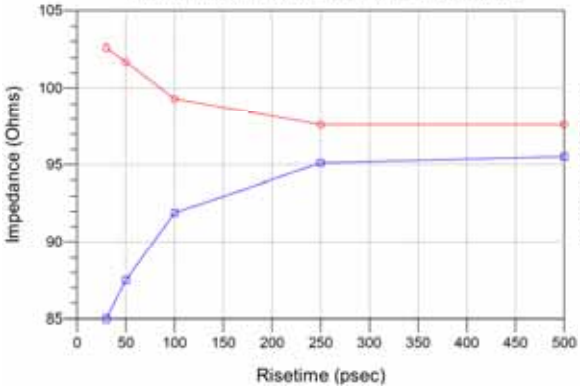
SEAM8_A27,A28



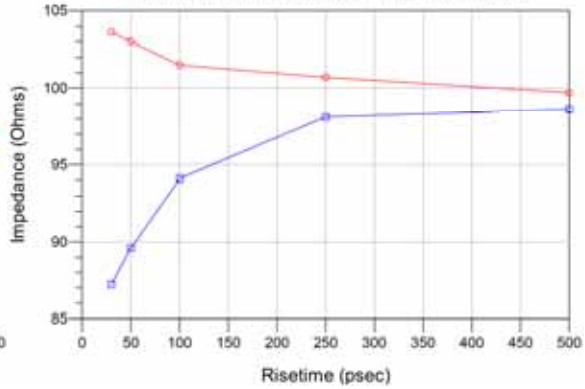
SEAM8_B25,B26



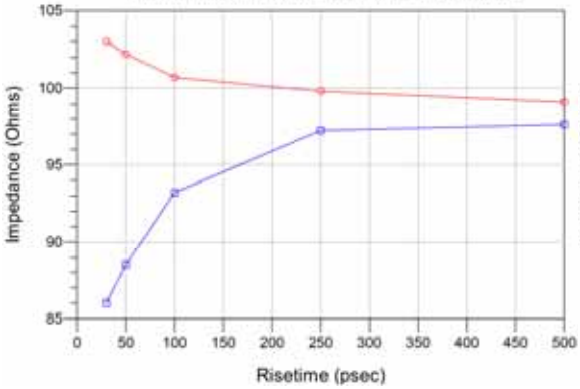
SEAM8_C27,C28



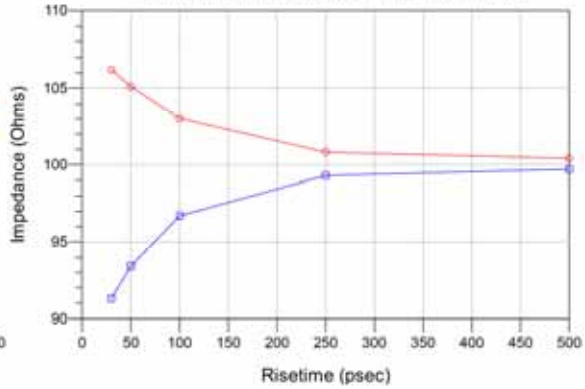
SEAM8_H25,H26



SEAM8_J23,J24



SEAM8_K25,K26

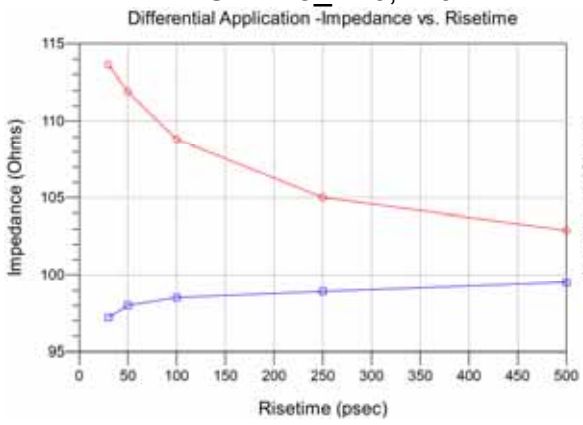


Series: SEAM8/SEAF8-RA Array Series
Description: 0.8mm x 0.8mm grid interconnect system, Vertical Male to Right Angle Female

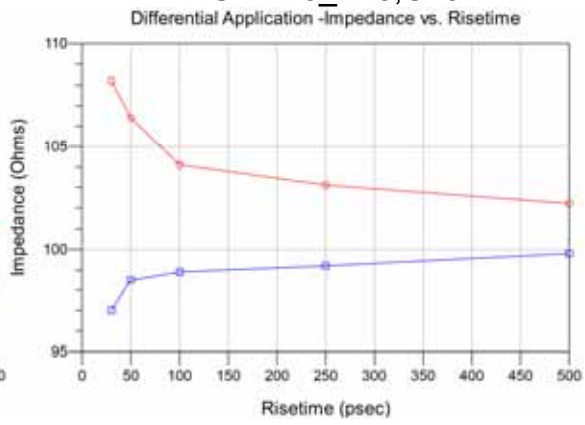
Table 9 – Differential Impedance (Ω) – Optimal Vertical						
Driver	**Signal Risetime**	**30 ps**	**50 ps**	**100 ps**	**250 ps**	**500 ps**
SEAM8_A26,B26	**Maximum Impedance**	113.6	111.9	108.8	105.0	102.9
	Minimum Impedance	97.2	98.0	98.5	98.9	99.5
SEAM8_B25,C25	**Maximum Impedance**	108.2	106.4	104.1	103.1	102.2
	Minimum Impedance	97.0	98.5	98.9	99.2	99.8
SEAM8_D26,E26	**Maximum Impedance**	106.1	105.0	103.3	102.0	101.1
	Minimum Impedance	93.6	95.5	97.1	97.6	97.8
SEAM8_E26,F26	**Maximum Impedance**	110.6	108.8	105.4	101.4	100.7
	Minimum Impedance	94.3	95.5	96.7	97.7	98.8
SEAM8_H26,J26	**Maximum Impedance**	105.9	104.6	102.8	101.6	101.2
	Minimum Impedance	95.8	97.5	97.6	97.9	98.6
SEAM8_J26,K26	**Maximum Impedance**	114.3	112.2	108.5	104.3	102.2
	Minimum Impedance	96.5	96.5	96.5	96.9	97.9

Series: SEAM8/SEAF8-RA Array Series
Description: 0.8mm x 0.8mm grid interconnect system, Vertical Male to Right Angle Female

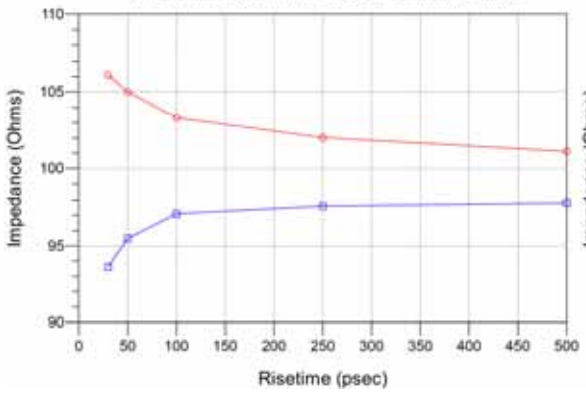
SEAM8_A26,B26



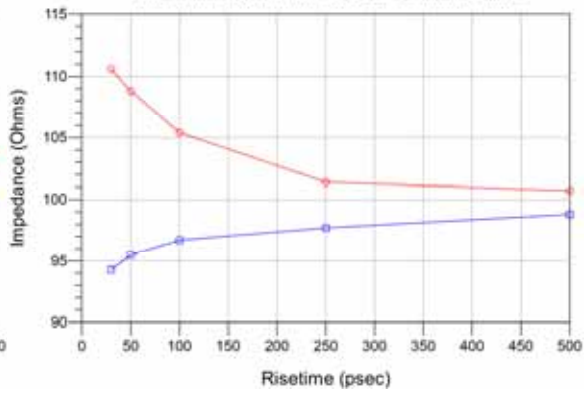
SEAM8_B25,C25



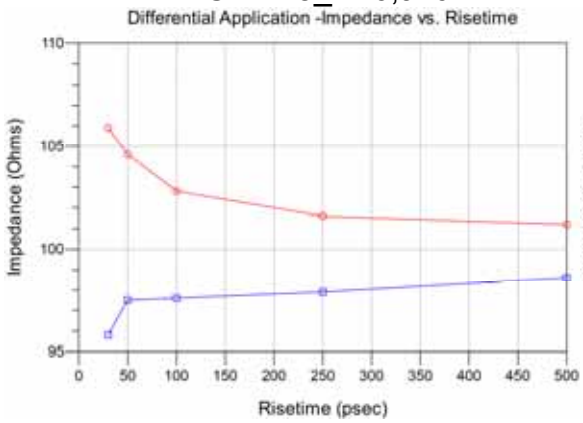
SEAM8_D26,E26



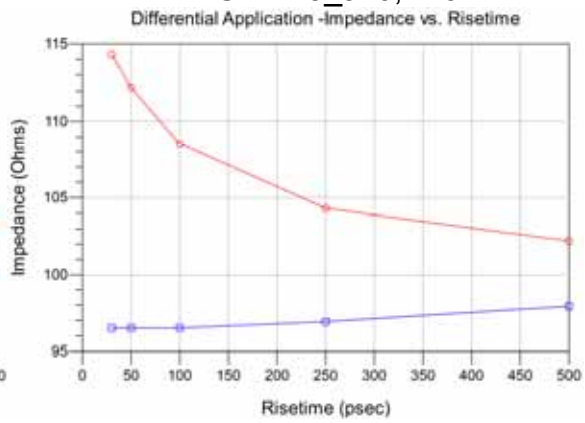
SEAM8_E26,F26



SEAM8_H26,J26



SEAM8_J26,K26

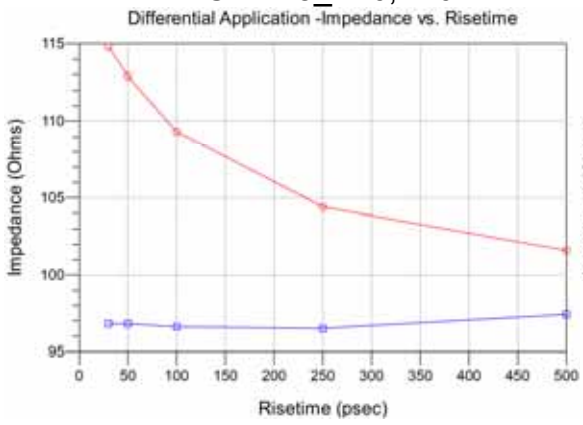


Series: SEAM8/SEAF8-RA Array Series
Description: 0.8mm x 0.8mm grid interconnect system, Vertical Male to Right Angle Female

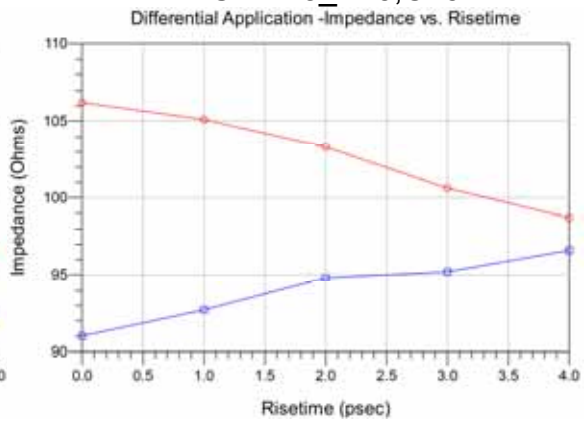
Table 10 – Differential Impedance (Ω) – High Density Vertical						
Driver	**Signal Risetime**	**30 ps**	**50 ps**	**100 ps**	**250 ps**	**500 ps**
SEAM8_A26,B26	**Maximum Impedance**	114.8	112.9	109.3	104.4	101.6
	Minimum Impedance	96.8	96.8	96.6	96.5	97.4
SEAM8_B25,C25	**Maximum Impedance**	106.2	105.1	103.3	100.6	98.7
	Minimum Impedance	91.0	92.7	94.8	95.2	96.6
SEAM8_D26,E26	**Maximum Impedance**	106.1	105.4	103.9	100.3	99.1
	Minimum Impedance	91.8	93.4	95.6	96.7	97.3
SEAM8_F26,G26	**Maximum Impedance**	106.4	105.5	103.9	101.1	99.7
	Minimum Impedance	92.5	94.2	96.3	97.0	97.6
SEAM8_H25,J25	**Maximum Impedance**	106.6	105.5	103.7	101.4	100.2
	Minimum Impedance	95.9	96.8	96.9	97.3	97.7
SEAM8_J26,K26	**Maximum Impedance**	115.2	113.2	109.4	104.9	102.2
	Minimum Impedance	96.4	96.5	96.6	96.7	97.6

Series: SEAM8/SEAF8-RA Array Series
Description: 0.8mm x 0.8mm grid interconnect system, Vertical Male to Right Angle Female

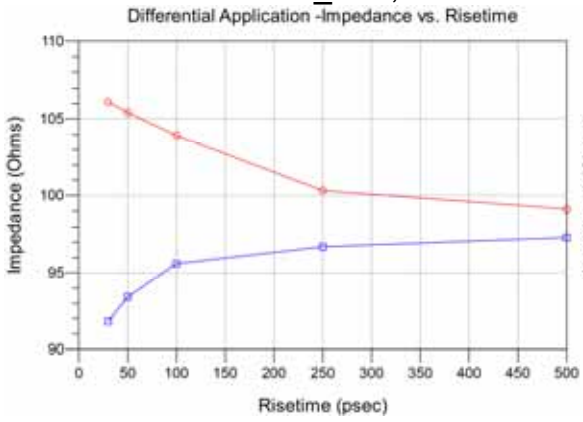
SEAM8_A26,B26



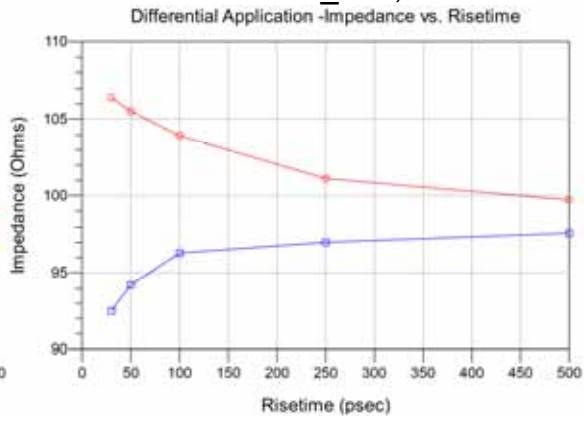
SEAM8_B25,C25



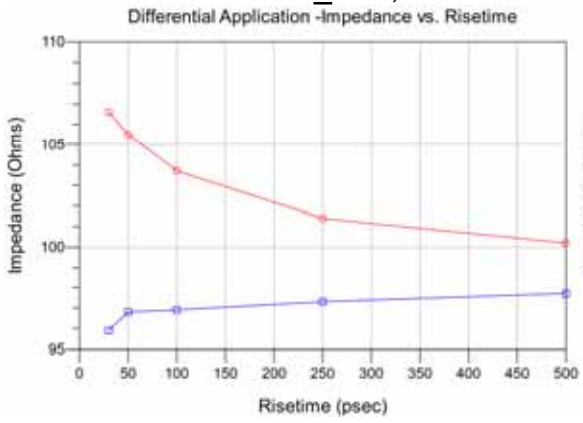
SEAM8_D26,E26



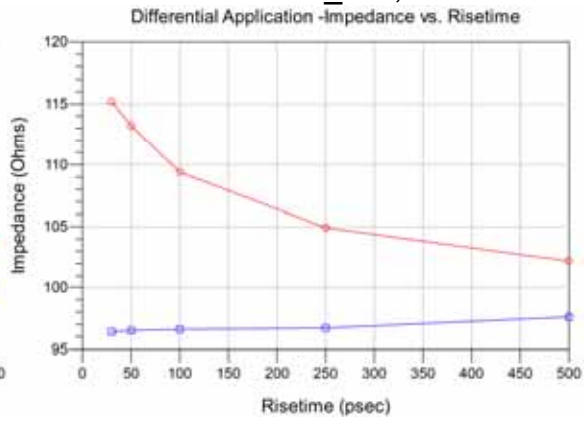
SEAM8_F26,G26



SEAM8_H25,J25



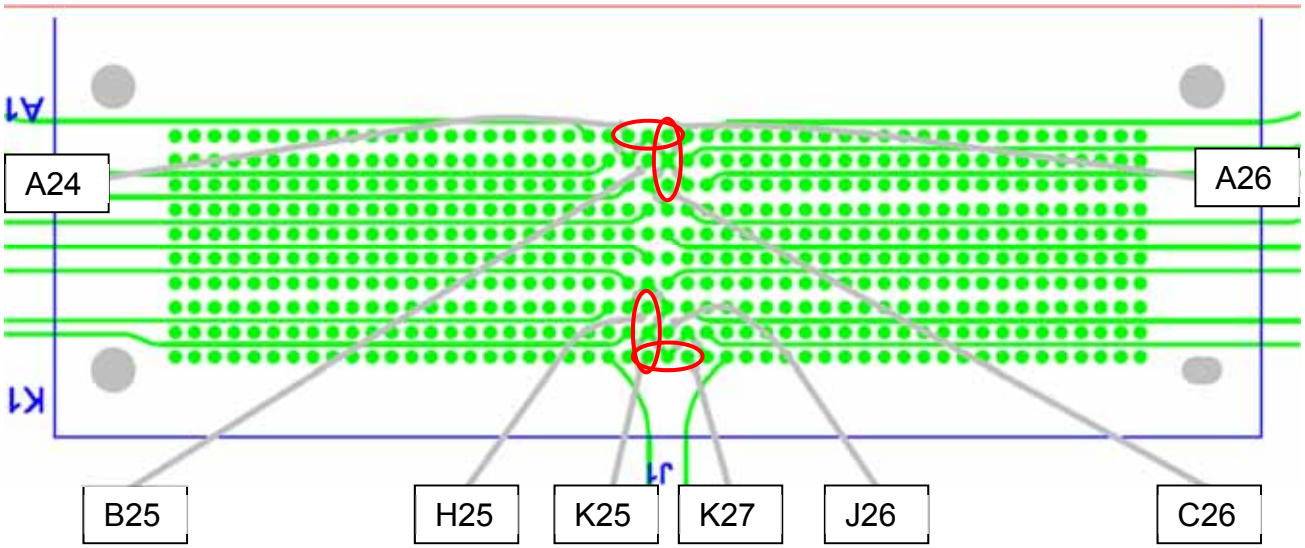
SEAM8_J26,K26



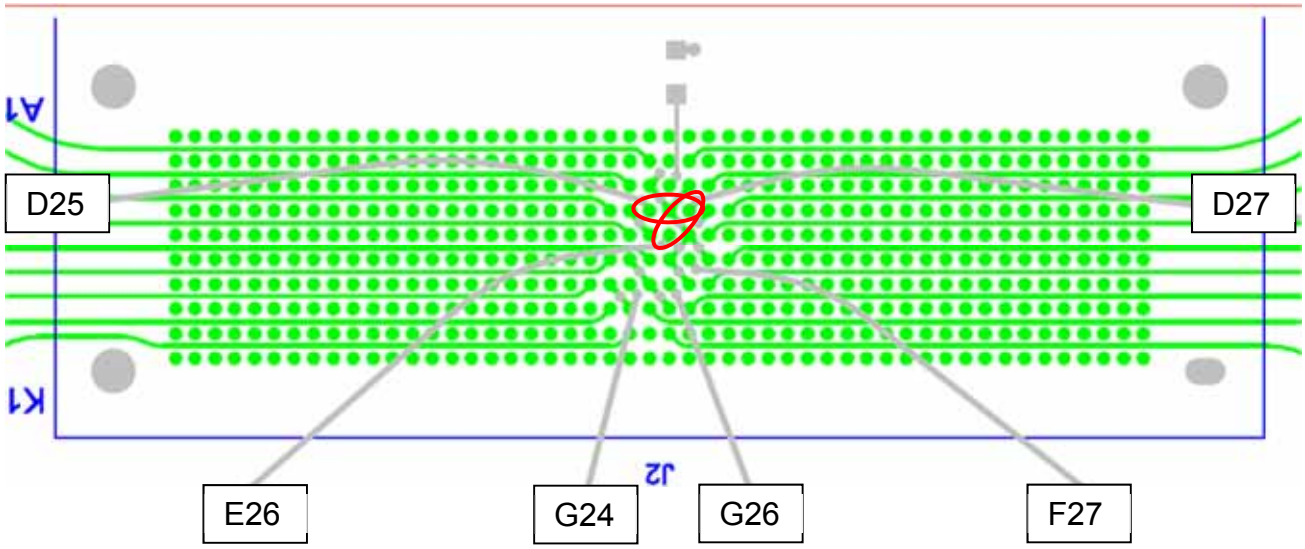
Series: SEAM8/SEAF8-RA Array Series
Description: 0.8mm x 0.8mm grid interconnect system, Vertical Male to Right Angle Female

Table 11 - Single-Ended Crosstalk (%) – 1:1 S/G Pattern							
Input(t_r)	Driver	Receiver	30ps	50 ps	100 ps	250 ps	500 ps
NEXT	SEAM8_A26	SEAM8_A24	1.84	1.74	1.59	1.17	0.71
	SEAM8_A26	SEAM8_C26	1.07	0.67	0.38	0.30	0.23
	SEAM8_D27	SEAM8_D25	0.70	0.64	0.54	0.40	0.25
	SEAM8_D27	SEAM8_F27	0.49	0.44	0.33	0.24	0.16
	SEAM8_K25	SEAM8_K27	2.15	1.91	1.67	1.50	1.07
	SEAM8_K25	SEAM8_H25	1.14	0.82	0.56	0.35	0.26
FEXT	SEAM8_A26	SEAF8-RA_A24	3.60	2.88	1.77	0.87	0.53
	SEAM8_A26	SEAF8-RA_C26	1.48	1.09	0.68	0.35	0.20
	SEAM8_D27	SEAF8-RA_D25	0.96	0.74	0.46	0.26	0.16
	SEAM8_D27	SEAF8-RA_F27	0.60	0.52	0.35	0.21	0.13
	SEAM8_K25	SEAF8-RA_K27	4.10	2.95	1.73	0.91	0.62
	SEAM8_K25	SEAF8-RA_H25	1.36	1.03	0.64	0.37	0.26

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



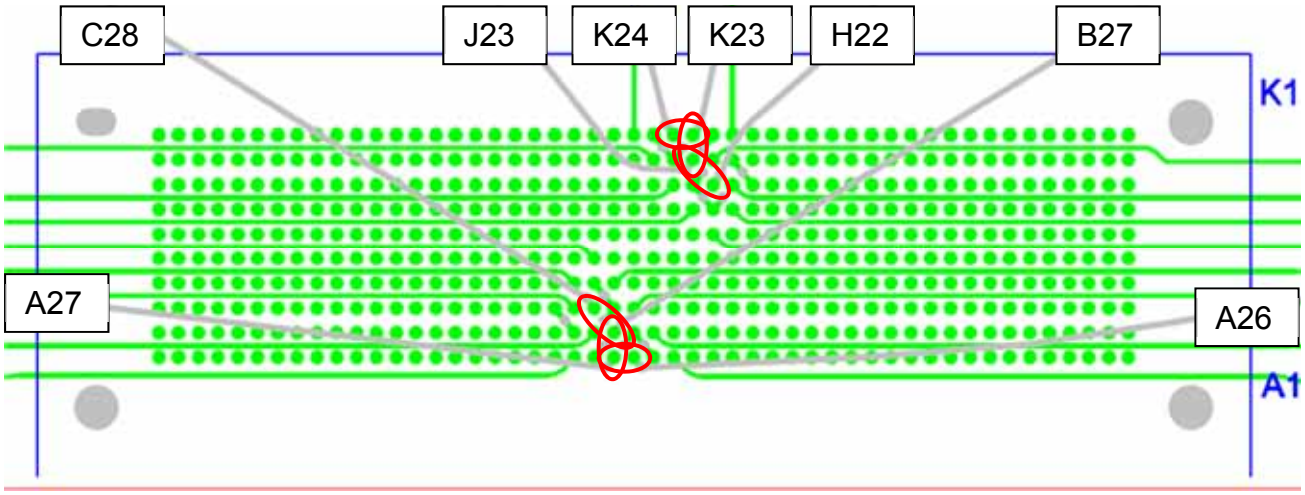
Series: SEAM8/SEAF8-RA Array Series
Description: 0.8mm x 0.8mm grid interconnect system, Vertical Male to Right Angle Female



Series: SEAM8/SEAF8-RA Array Series
Description: 0.8mm x 0.8mm grid interconnect system, Vertical Male to Right Angle Female

Table 12 - Single-Ended Crosstalk (%) – 2:1 S/G Pattern							
Input(t_r)	Driver	Receiver	30ps	50 ps	100 ps	250 ps	500 ps
NEXT	SEAM8_A27	SEAM8_A26	15.20	14.68	13.64	8.70	5.01
	SEAM8_A27	SEAM8_B27	8.40	7.99	6.82	4.19	2.47
	SEAM8_B27	SEAM8_C28	4.23	3.96	3.56	2.37	1.44
	SEAM8_K23	SEAM8_K24	15.65	14.89	14.51	12.85	8.86
	SEAM8_K23	SEAM8_J23	10.36	10.15	9.83	7.96	5.20
	SEAM8_H22	SEAM8_J23	4.15	3.98	3.76	3.15	2.12
FEXT	SEAM8_A27	SEAF8-RA_A26	8.65	7.11	5.67	3.69	2.27
	SEAM8_A27	SEAF8-RA_B27	3.99	3.43	3.10	1.96	1.16
	SEAM8_B27	SEAF8-RA_C28	3.24	2.70	2.33	1.54	0.91
	SEAM8_K23	SEAF8-RA_K24	11.92	8.72	5.86	4.79	3.45
	SEAM8_K23	SEAF8-RA_J23	3.77	3.73	3.68	2.88	1.83
	SEAM8_H22	SEAF8-RA_J23	2.50	2.43	2.31	1.90	1.25

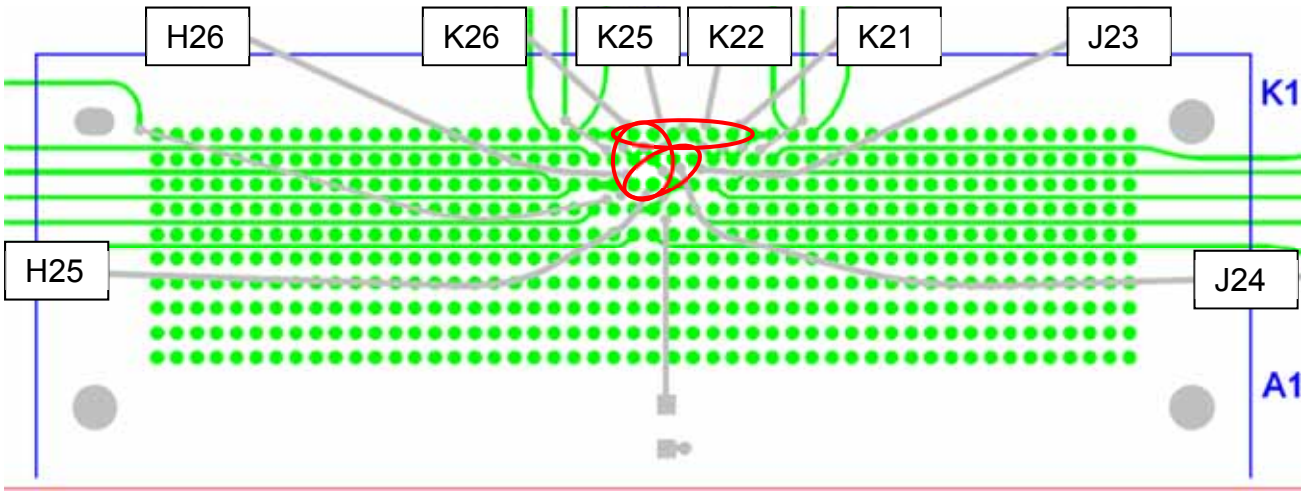
Single-Ended 2:1 S/G Pattern Crosstalk Pin Map



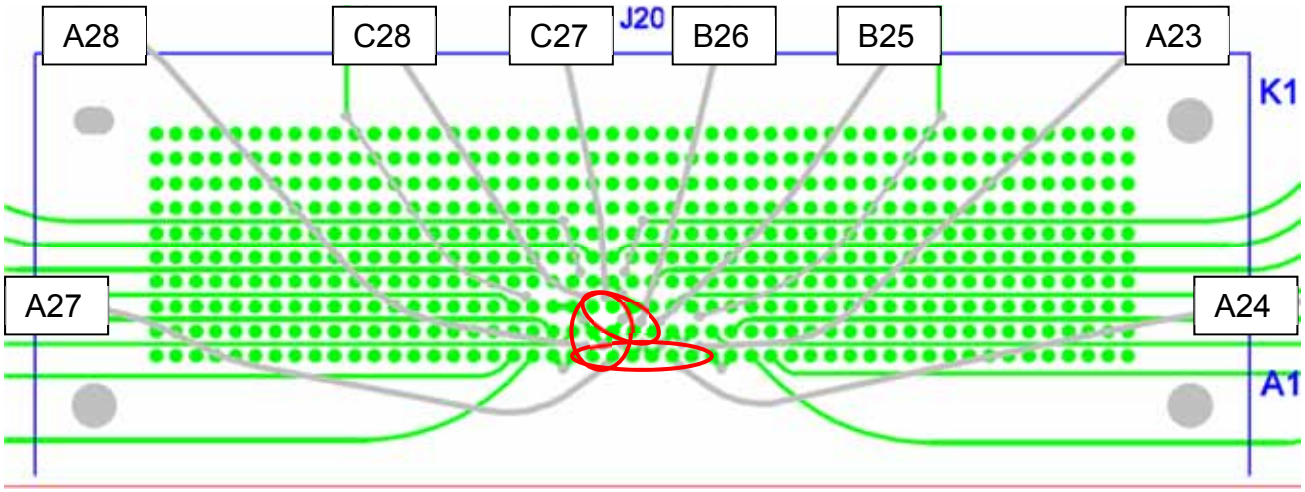
Series: SEAM8/SEAF8-RA Array Series
Description: 0.8mm x 0.8mm grid interconnect system, Vertical Male to Right Angle Female

Table 13 - Differential Crosstalk (%) – Optimal Horizontal							
Input(t_r)	Driver	Receiver	30ps	50 ps	100 ps	250 ps	500 ps
NEXT	SEAM8_A27,A28	SEAM8_A23,A24	0.42	0.21	0.13	<0.1	<0.1
	SEAM8_A27,A28	SEAM8_C27,C28	0.16	0.13	0.10	<0.1	<0.1
	SEAM8_B25,B26	SEAM8_C27,C28	1.05	1.00	0.86	0.51	0.30
	SEAM8_K25,K26	SEAM8_K21,K22	0.39	0.20	<0.1	<0.1	<0.1
	SEAM8_K25,K26	SEAM8_H25,H26	0.46	0.38	0.21	<0.1	<0.1
	SEAM8_H25,H26	SEAM8_J23,J24	1.08	1.05	1.00	0.80	0.51
FEXT	SEAM8_A27,A28	SEAF8-RA_A23,A24	0.62	0.46	0.23	<0.1	<0.1
	SEAM8_A27,A28	SEAF8-RA_C27,C28	0.20	0.17	0.12	<0.1	<0.1
	SEAM8_B25,B26	SEAF8-RA_C27,C28	0.31	0.22	0.14	<0.1	<0.1
	SEAM8_K25,K26	SEAF8-RA_K21,K22	0.60	0.42	0.20	<0.1	<0.1
	SEAM8_K25,K26	SEAF8-RA_H25,H26	0.59	0.36	0.20	<0.1	<0.1
	SEAM8_H25,H26	SEAF8-RA_J23,J24	0.16	0.11	<0.1	<0.1	<0.1

Differential Optimal Horizontal Crosstalk Pin Map



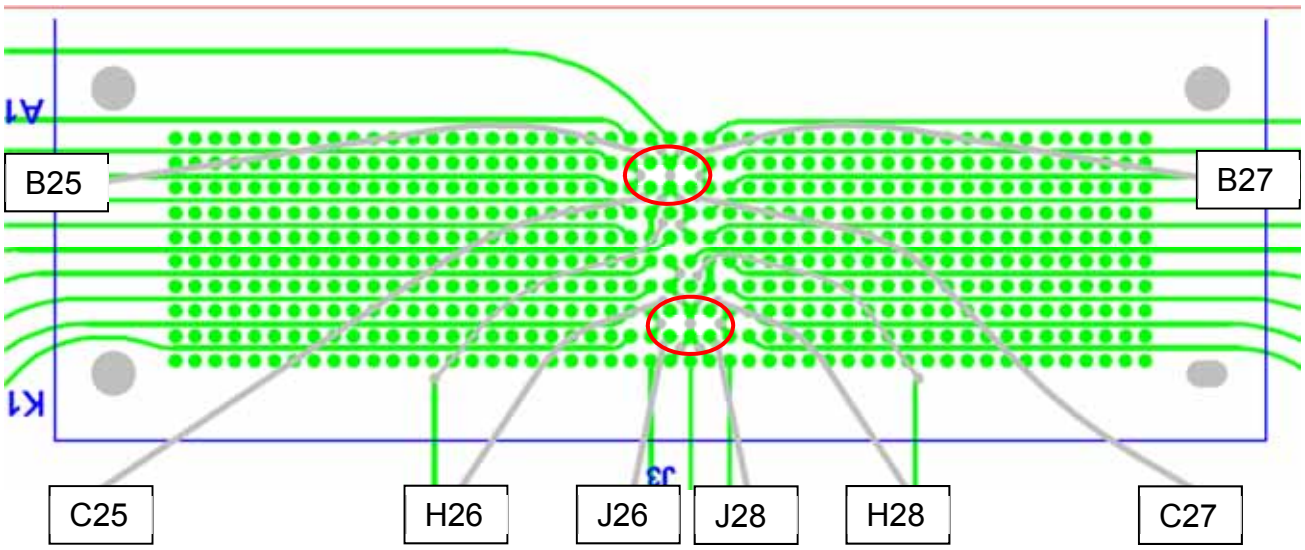
Series: SEAM8/SEAF8-RA Array Series
Description: 0.8mm x 0.8mm grid interconnect system, Vertical Male to Right Angle Female



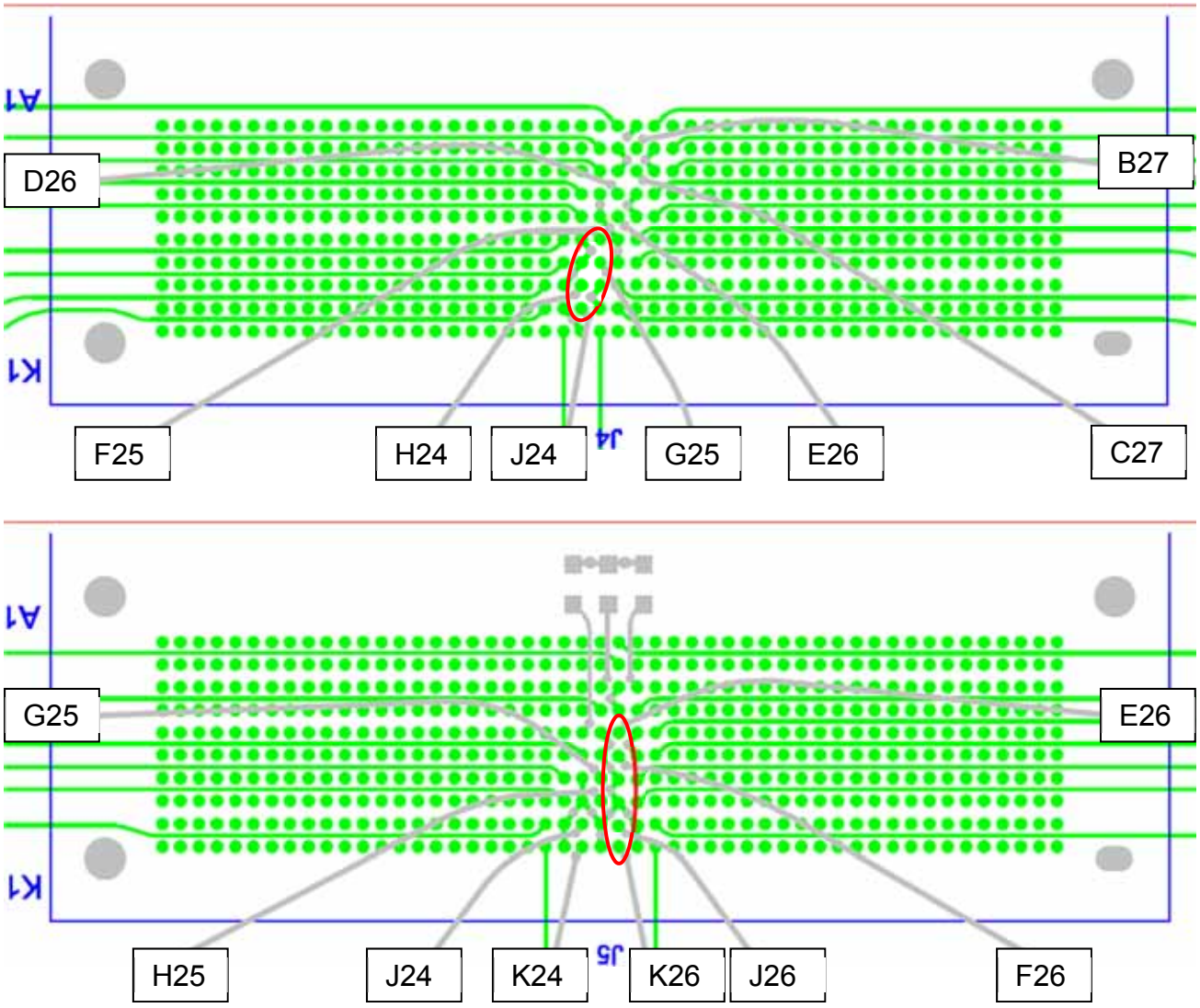
Series: SEAM8/SEAF8-RA Array Series
Description: 0.8mm x 0.8mm grid interconnect system, Vertical Male to Right Angle Female

Table 14 - Differential Crosstalk (%) – Optimal Vertical							
Input(t_r)	**Driver**	**Receiver**	**30ps**	**50 ps**	**100 ps**	**250 ps**	**500 ps**
NEXT	SEAM8_B25,C25	SEAM8_B27,C27	1.10	0.74	0.44	0.26	0.17
	SEAM8_H26,J26	SEAM8_H28,J28	1.18	0.75	0.43	0.27	0.19
	SEAM8_F25,G25	SEAM8_H24,J24	1.14	1.12	1.05	0.80	0.49
	SEAM8_J26,K26	SEAM8_E26,F26	0.12	<0.1	<0.1	<0.1	<0.1
	SEAM8_A26,B26	SEAM8_E26,F26	0.14	<0.1	<0.1	<0.1	<0.1
	SEAM8_A26,B26	SEAM8_C25,D25	1.17	1.13	1.03	0.63	0.35
FEXT	SEAM8_B25,C25	SEAF8-RA_B27,C27	1.20	0.83	0.47	0.20	0.11
	SEAM8_H26,J26	SEAF8-RA_H28,J28	1.42	1.05	0.55	0.23	0.13
	SEAM8_F25,G25	SEAF8-RA_H24,J24	0.38	0.24	0.11	<0.1	<0.1
	SEAM8_J26,K26	SEAF8-RA_E26,F26	0.21	0.15	<0.1	<0.1	<0.1
	SEAM8_A26,B26	SEAF8-RA_E26,F26	0.17	0.12	<0.1	<0.1	<0.1
	SEAM8_A26,B26	SEAF8-RA_C25,D25	0.41	0.24	0.13	<0.1	<0.1

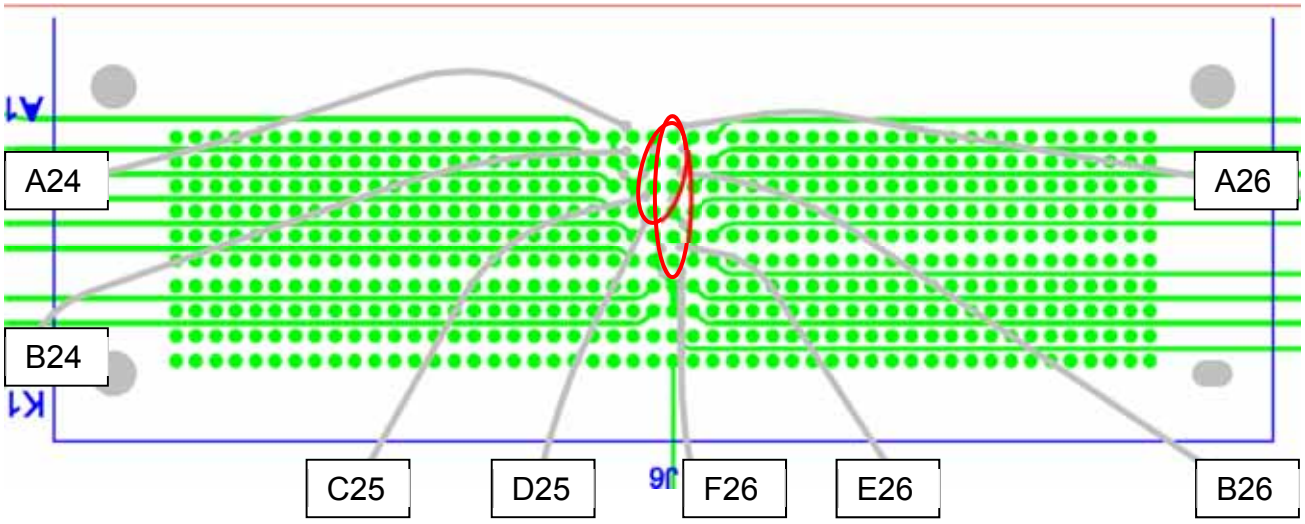
Differential Optimal Vertical Crosstalk Pin Map



Series: SEAM8/SEAF8-RA Array Series
Description: 0.8mm x 0.8mm grid interconnect system, Vertical Male to Right Angle Female



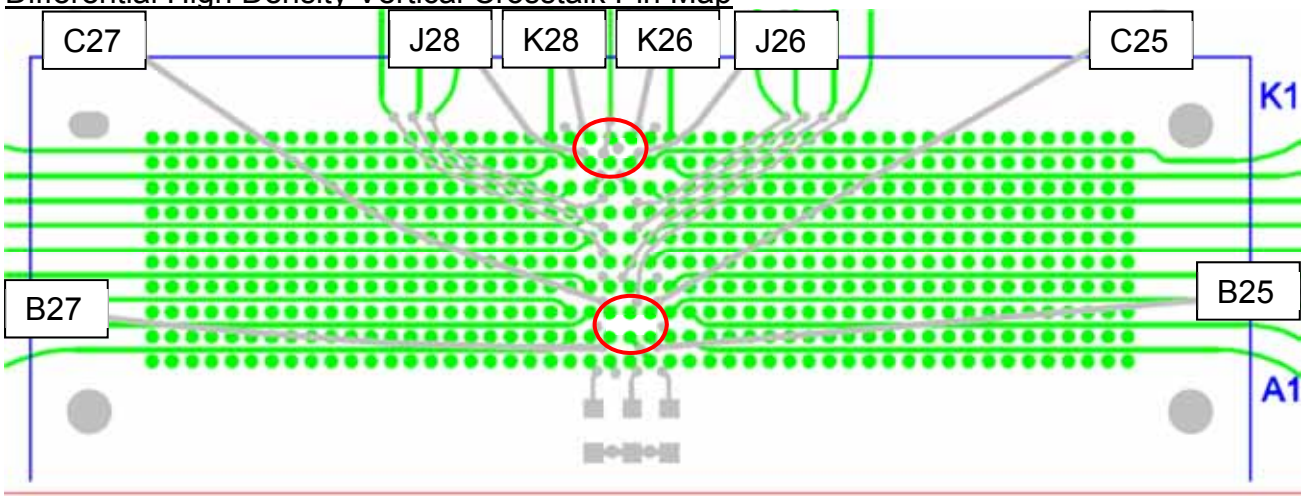
Series: SEAM8/SEAF8-RA Array Series
Description: 0.8mm x 0.8mm grid interconnect system, Vertical Male to Right Angle Female



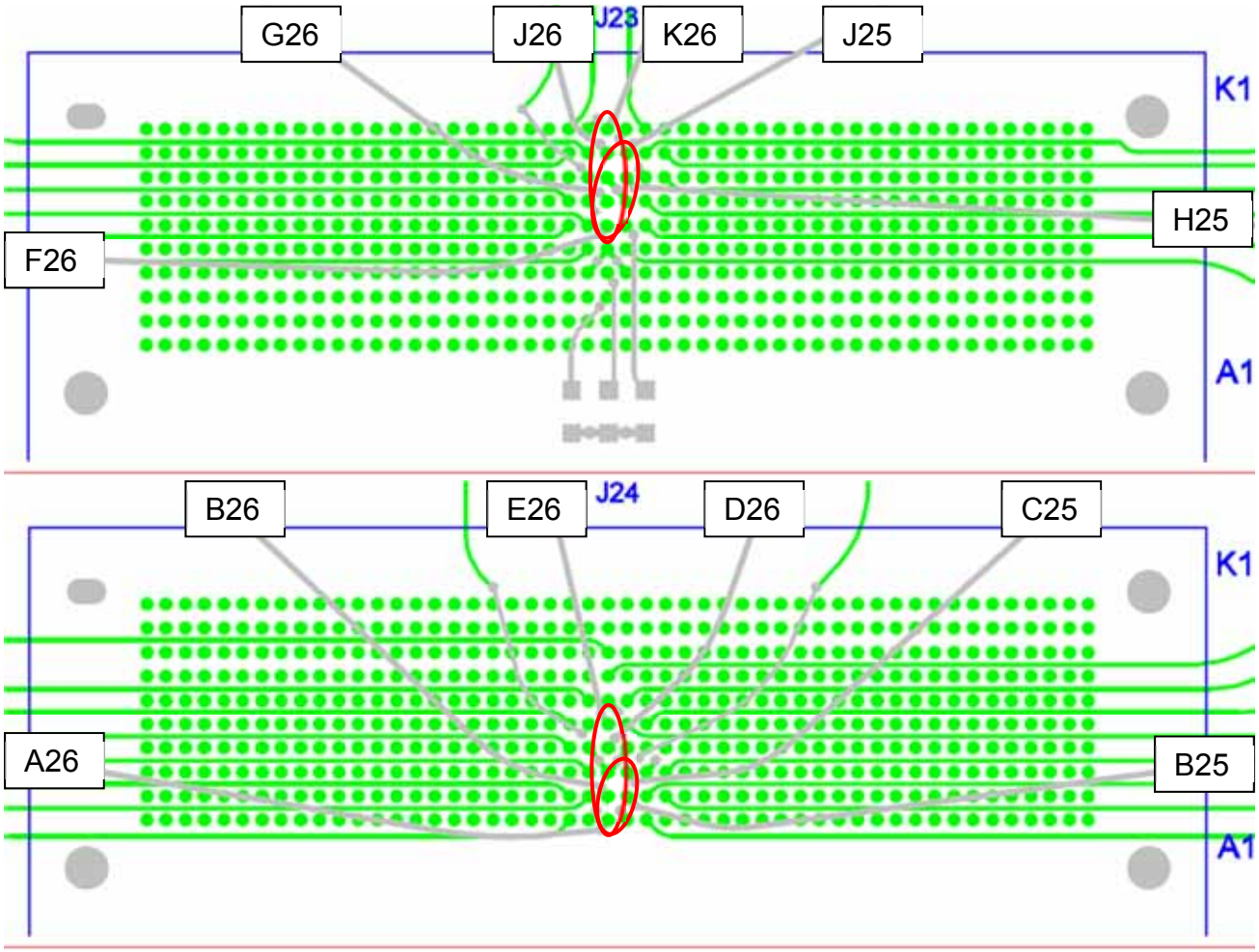
Series: SEAM8/SEAF8-RA Array Series
Description: 0.8mm x 0.8mm grid interconnect system, Vertical Male to Right Angle Female

Table 15 - Differential Crosstalk (%) – High Density Vertical							
Input(t_r)	**Driver**	**Receiver**	**30ps**	**50 ps**	**100 ps**	**250 ps**	**500 ps**
NEXT	SEAM8_B25,C25	SEAM8_B27,C27	0.85	0.68	0.56	0.44	0.28
	SEAM8_J26,K26	SEAM8_J28,K28	1.19	1.09	1.02	0.87	0.61
	SEAM8_F26,G26	SEAM8_H25,J25	1.17	1.00	0.91	0.69	0.39
	SEAM8_F26,G26	SEAM8_J26,K26	0.58	0.49	0.32	0.18	0.12
	SEAM8_A26,B26	SEAM8_D26,E26	0.22	0.16	0.12	0.10	<0.1
	SEAM8_A26,B26	SEAM8_B25,C25	3.80	3.03	2.44	1.50	0.82
FEXT	SEAM8_B25,C25	SEAF8-RA_B27,C27	0.98	0.77	0.52	0.39	0.25
	SEAM8_J26,K26	SEAF8-RA_J28,K28	2.10	1.50	0.92	0.56	0.38
	SEAM8_F26,G26	SEAF8-RA_H25,J25	0.32	0.22	0.13	<0.1	<0.1
	SEAM8_F26,G26	SEAF8-RA_J26,K26	0.62	0.47	0.27	0.14	0.10
	SEAM8_A26,B26	SEAF8-RA_D26,E26	0.24	0.20	0.14	<0.1	<0.1
	SEAM8_A26,B26	SEAF8-RA_B25,C25	0.78	0.52	0.38	0.25	0.16

Differential High Density Vertical Crosstalk Pin Map



Series: SEAM8/SEAF8-RA Array Series
Description: 0.8mm x 0.8mm grid interconnect system, Vertical Male to Right Angle Female



Series: SEAM8/SEAF8-RA Array Series
Description: 0.8mm x 0.8mm grid interconnect system, Vertical Male to Right Angle Female

Table 16 - Propagation Delay (Mated Connector)	
Single-Ended: 1:1 S/G, row A	96 ps
Single-Ended: 1:1 S/G, row C	115 ps
Single-Ended: 1:1 S/G, row D	125 ps
Single-Ended: 1:1 S/G, row F	144 ps
Single-Ended: 1:1 S/G, row H	162 ps
Single-Ended: 1:1 S/G, row K	182 ps
Single-Ended: 2:1 S/G, row A	103 ps
Single-Ended: 2:1 S/G, row B	111 ps
Single-Ended: 2:1 S/G, row C	118 ps
Single-Ended: 2:1 S/G, row H	166 ps
Single-Ended: 2:1 S/G, row J	176 ps
Single-Ended: 2:1 S/G, row K	186 ps
Differential: Optimal Horizontal, row A	94 ps
Differential: Optimal Horizontal, row B	103 ps
Differential: Optimal Horizontal, row C	112 ps
Differential: Optimal Horizontal, row H	154 ps
Differential: Optimal Horizontal, row J	165 ps
Differential: Optimal Horizontal, row K	174 ps
Differential: Optimal Vertical, row A,B	101 ps
Differential: Optimal Vertical, row B,C	109 ps
Differential: Optimal Vertical, row D,E	130 ps

Series: SEAM8/SEAF8-RA Array Series
Description: 0.8mm x 0.8mm grid interconnect system, Vertical Male to Right Angle Female

Differential: Optimal Vertical, row E,F	139 ps
Differential: Optimal Vertical, row H,J	168 ps
Differential: Optimal Vertical, row J,K	178 ps
Differential: High Density Vertical, row A,B	105 ps
Differential: High Density Vertical, row B,C	110 ps
Differential: High Density Vertical, row D,E	133 ps
Differential: High Density Vertical, row F,G	151 ps
Differential: High Density Vertical, row H,J	172 ps
Differential: High Density Vertical, row J,K	180 ps