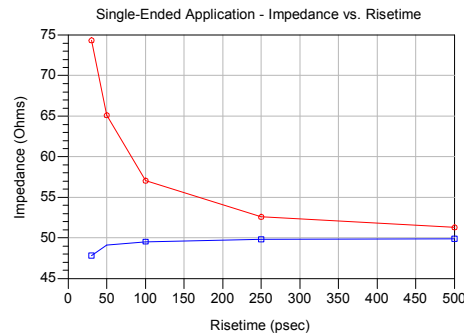


**Series:** SEAM/SEAF

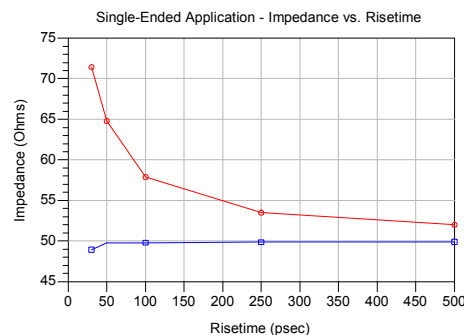
**Description:** Open Pin Field Array, 1.27mm x 1.27mm Pitch, 7 mm Stack Height

## Time Domain Data Summary

<b>Table 6 – Single-End Impedance (<math>\Omega</math>) – 1:1 S/G Pattern</b>					
<b>Signal Risetime</b>	<b>30 ps</b>	<b>50 ps</b>	<b>100 ps</b>	<b>250 ps</b>	<b>500 ps</b>
<b>Maximum Impedance</b>	74.3	65.1	57.1	52.6	51.3
<b>Minimum Impedance</b>	47.8	49.1	49.5	49.9	49.9



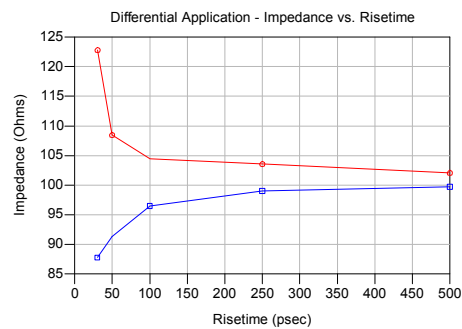
<b>Table 7 – Single-End Impedance (<math>\Omega</math>) – 2:1 S/G Pattern</b>					
<b>Signal Risetime</b>	<b>30 ps</b>	<b>50 ps</b>	<b>100 ps</b>	<b>250 ps</b>	<b>500 ps</b>
<b>Maximum Impedance</b>	71.4	64.8	57.9	53.5	52.0
<b>Minimum Impedance</b>	49.0	49.7	49.8	49.9	49.9



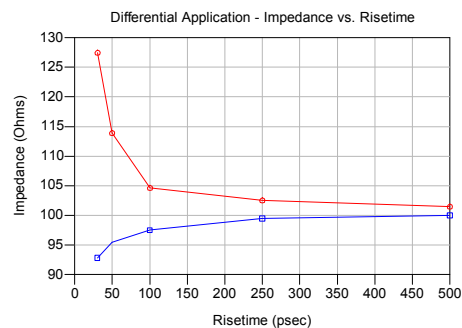
**Series:** SEAM/SEAF

**Description:** Open Pin Field Array, 1.27mm x 1.27mm Pitch, 7 mm Stack Height

<b>Table 8 – Differential Impedance (<math>\Omega</math>) – Optimal Horizontal</b>					
<b>Signal Risetime</b>	<b>30 ps</b>	<b>50 ps</b>	<b>100 ps</b>	<b>250 ps</b>	<b>500 ps</b>
<b>Maximum Impedance</b>	122.8	108.5	104.4	103.6	102.1
<b>Minimum Impedance</b>	87.8	91.3	96.5	99.0	99.7



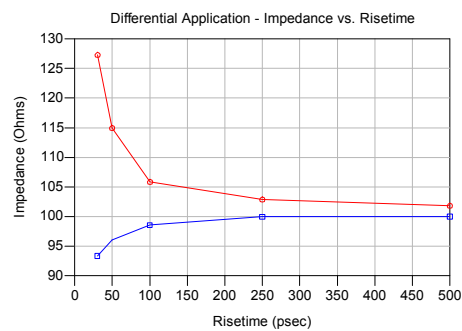
<b>Table 9 – Differential Impedance (<math>\Omega</math>) – Optimal Vertical</b>					
<b>Signal Risetime</b>	<b>30 ps</b>	<b>50 ps</b>	<b>100 ps</b>	<b>250 ps</b>	<b>500 ps</b>
<b>Maximum Impedance</b>	127.5	113.9	104.7	102.6	101.5
<b>Minimum Impedance</b>	92.8	95.4	97.5	99.5	100



**Series:** SEAM/SEAF

**Description:** Open Pin Field Array, 1.27mm x 1.27mm Pitch, 7 mm Stack Height

<b>Table 10 – Differential Impedance (<math>\Omega</math>) – High Density Vertical</b>					
<b>Signal Risetime</b>	<b>30 ps</b>	<b>50 ps</b>	<b>100 ps</b>	<b>250 ps</b>	<b>500 ps</b>
<b>Maximum Impedance</b>	127.3	115	105.8	102.9	101.8
<b>Minimum Impedance</b>	93.3	96.1	98.6	100	100

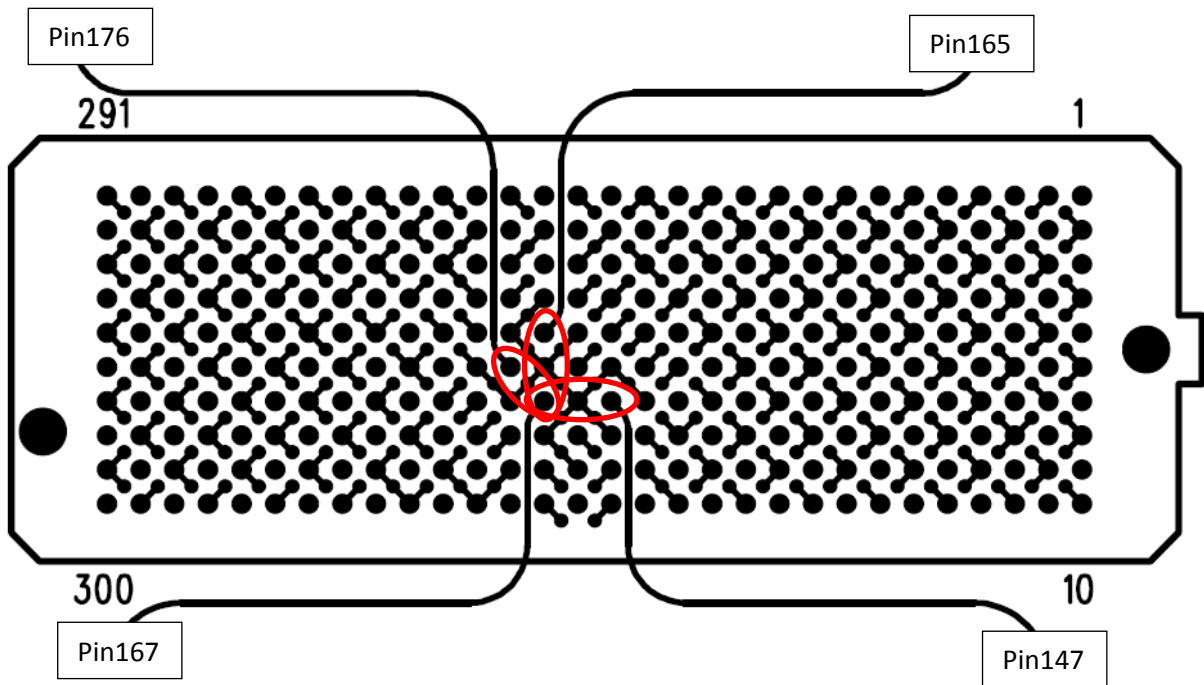


**Series:** SEAM/SEAF

**Description:** Open Pin Field Array, 1.27mm x 1.27mm Pitch, 7 mm Stack Height

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_167	SEAM_147	0.45	0.41	0.31	0.15	<0.1
	SEAM_167	SEAM_165	0.31	0.26	0.19	0.10	<0.1
	SEAM_167	SEAM_176	2.41	2.23	1.60	0.75	0.39
FEXT	SEAM_167	SEAF_147	0.52	0.42	0.25	0.11	<0.1
	SEAM_167	SEAF_165	0.24	0.20	0.13	<0.1	<0.1
	SEAM_167	SEAF_176	0.97	0.80	0.46	0.18	0.10

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

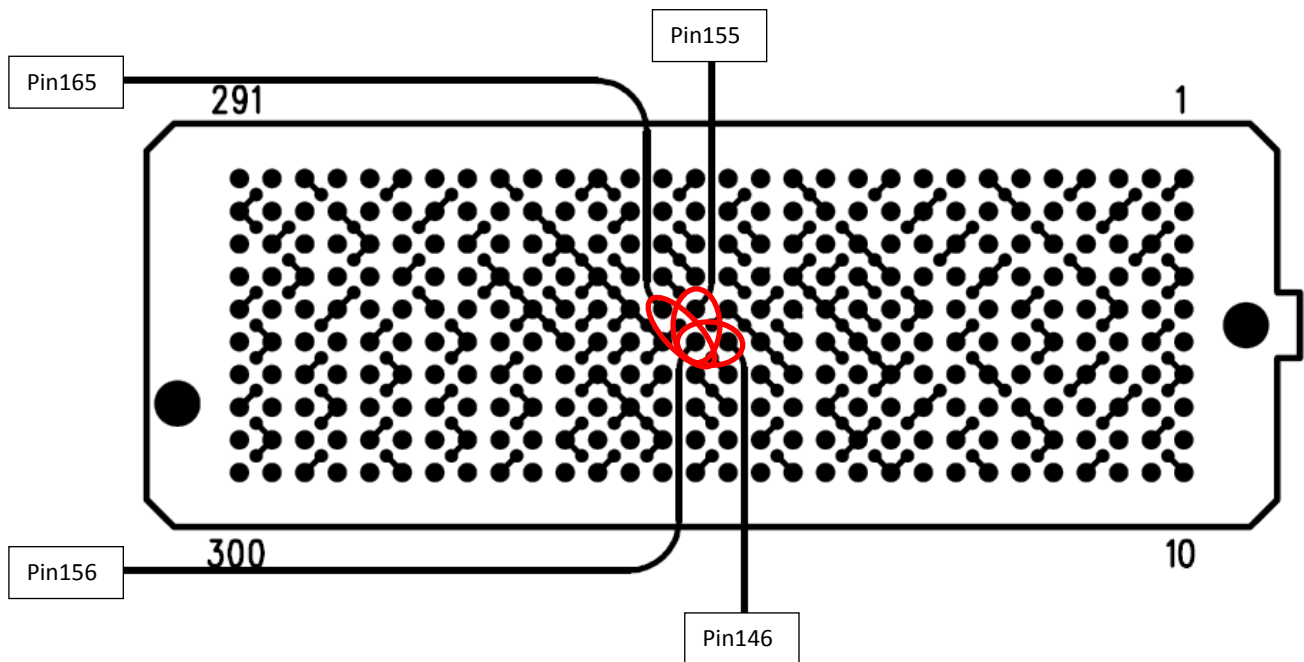


**Series:** SEAM/SEAF

**Description:** Open Pin Field Array, 1.27mm x 1.27mm Pitch, 7 mm Stack Height

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_156	SEAM_146	10.84	10.09	7.65	3.73	1.96
	SEAM_156	SEAM_155	7.52	6.85	5.14	2.51	1.32
	SEAM_156	SEAM_165	3.38	3.14	2.43	1.25	0.67
FEXT	SEAM_156	SEAF_146	4.29	3.61	2.28	0.97	0.53
	SEAM_156	SEAF_155	3.44	3.18	2.19	0.97	0.52
	SEAM_156	SEAF_165	2.10	1.94	1.33	0.61	0.34

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

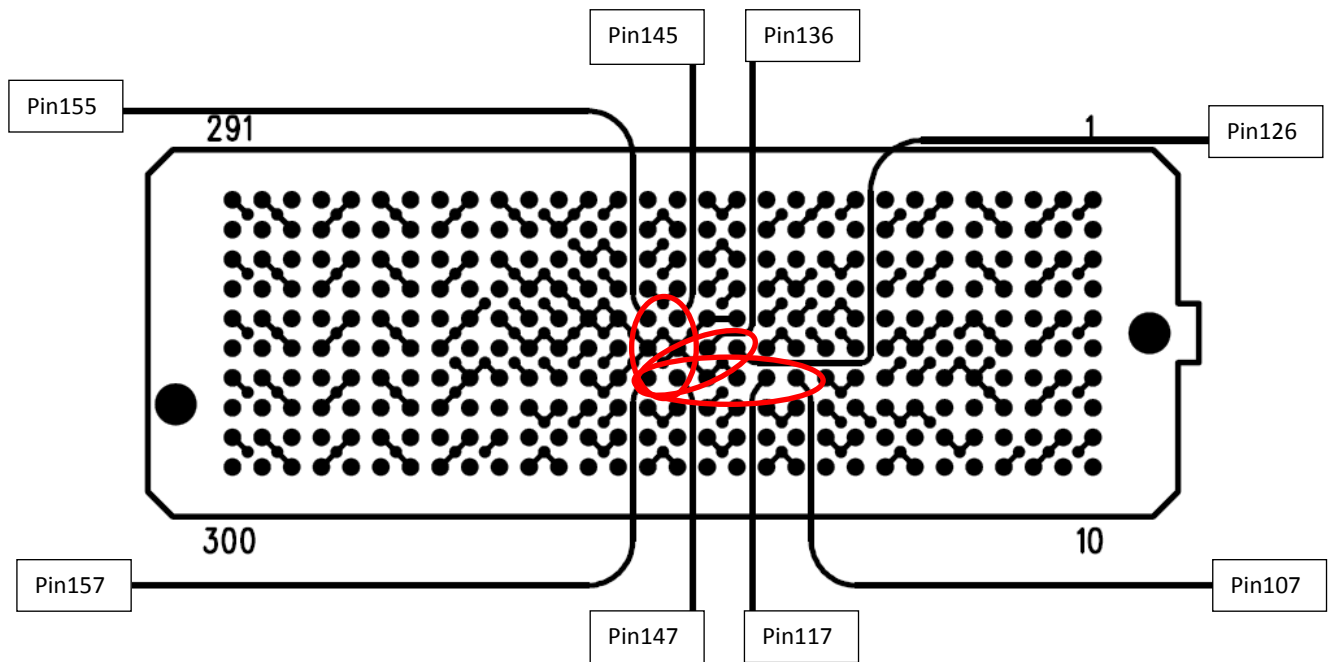


**Series:** SEAM/SEAF

**Description:** Open Pin Field Array, 1.27mm x 1.27mm Pitch, 7 mm Stack Height

Table 13 - Differential Crosstalk (%) – Optimal Horizontal							
Input(tr)	Driver	Receiver	30 ps	50 ps	100 ps	250 ps	500 ps
NEXT	SEAM_147,157	SEAM_107,117	0.38	0.26	0.13	<0.1	<0.1
	SEAM_147,157	SEAM_126,136	0.92	0.85	0.59	0.27	0.14
	SEAM_147,157	SEAM_145,155	0.11	<0.1	<0.1	<0.1	<0.1
FEXT	SEAM_147,157	SEAF_107,117	0.81	0.52	0.25	0.10	<0.1
	SEAM_147,157	SEAF_126,136	0.19	0.13	<0.1	<0.1	<0.1
	SEAM_147,157	SEAF_145,155	<0.1	<0.1	<0.1	<0.1	<0.1

### Differential Optimal Horizontal Crosstalk Pin Map

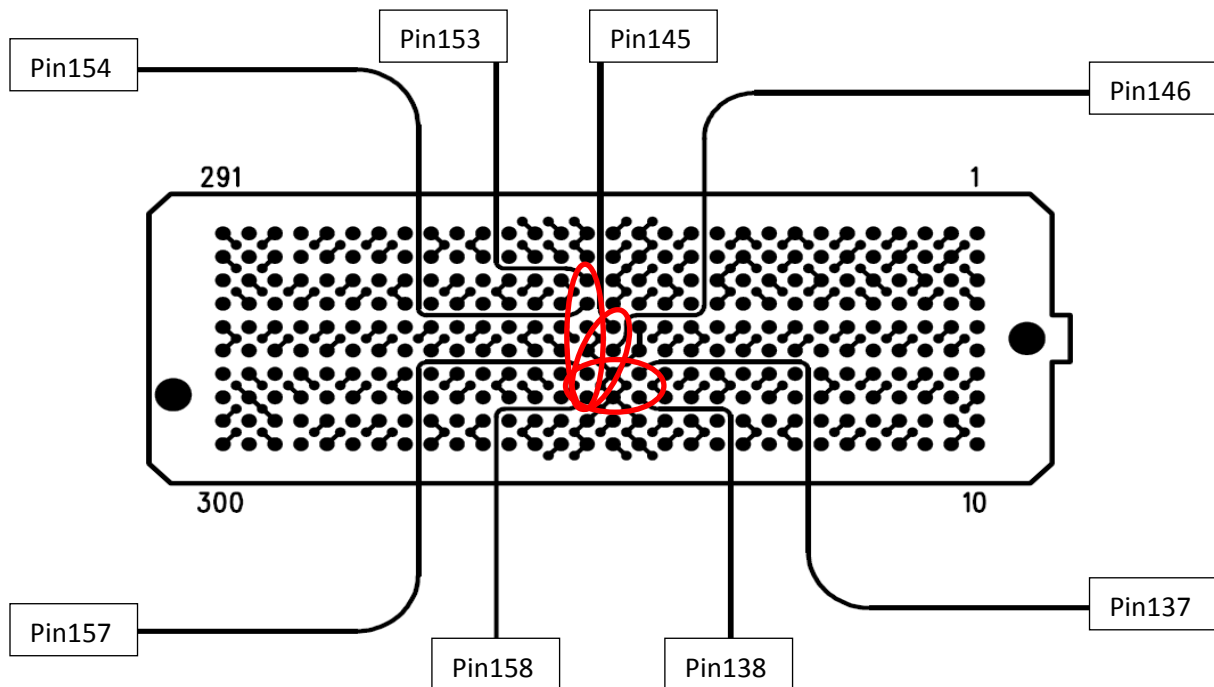


**Series:** SEAM/SEAF

**Description:** Open Pin Field Array, 1.27mm x 1.27mm Pitch, 7 mm Stack Height

Table 14 - Differential Crosstalk (%) – Optimal Vertical							
Input(tr)	Driver	Receiver	30 ps	50 ps	100 ps	250 ps	500 ps
NEXT	SEAM_157,158	SEAM_137,138	0.26	0.21	0.13	<0.1	<0.1
	SEAM_157,158	SEAM_145,146	0.98	0.92	0.65	0.29	0.15
	SEAM_157,158	SEAM_153,154	0.24	0.12	<0.1	<0.1	<0.1
FEXT	SEAM_157,158	SEAF_137,138	0.17	0.13	<0.1	<0.1	<0.1
	SEAM_157,158	SEAF_145,146	0.24	0.18	<0.1	<0.1	<0.1
	SEAM_157,158	SEAF_153,154	0.43	0.28	<0.1	<0.1	<0.1

### Differential Optimal Vertical Crosstalk Pin Map

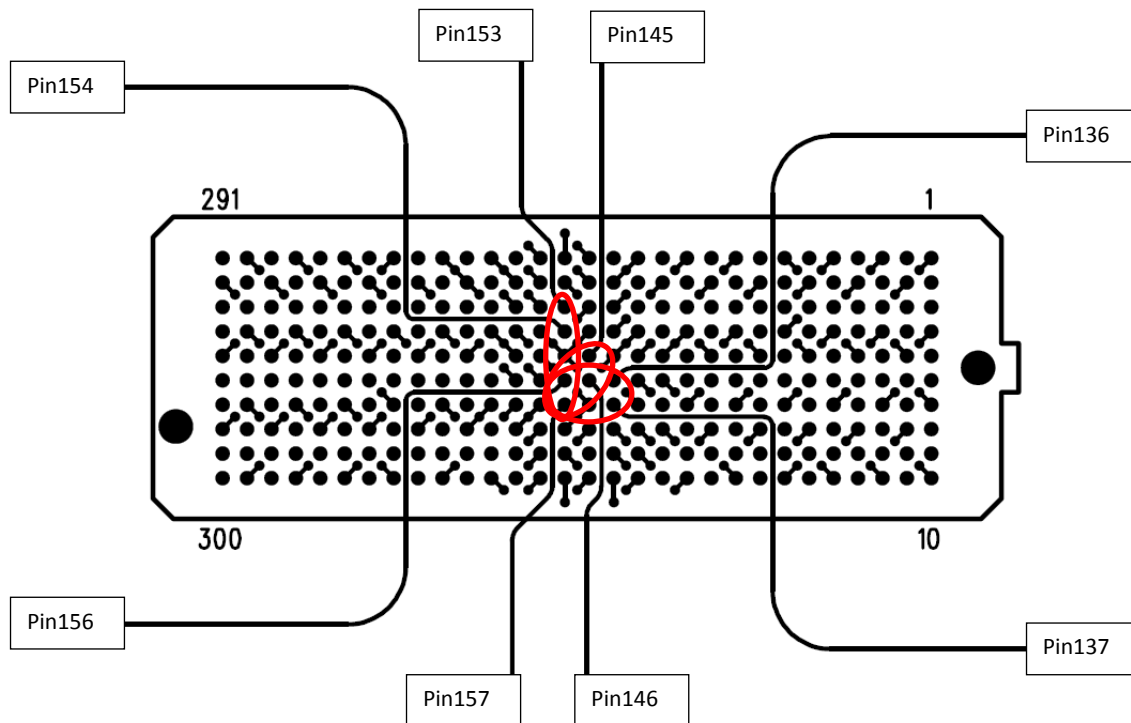


**Series:** SEAM/SEAF

**Description:** Open Pin Field Array, 1.27mm x 1.27mm Pitch, 7 mm Stack Height

Table 15 - Differential Crosstalk (%) – High Density Vertical							
Input(tr)	Driver	Receiver	30 ps	50 ps	100 ps	250 ps	500 ps
NEXT	SEAM_156,157	SEAM_136,137	0.62	0.54	0.41	0.21	0.11
	SEAM_156,157	SEAM_145,146	0.92	0.85	0.59	0.27	0.14
	SEAM_156,157	SEAM_153,154	0.11	<0.1	<0.1	<0.1	<0.1
FEXT	SEAM_156,157	SEAF_136,137	0.55	0.50	0.34	0.15	<0.1
	SEAM_156,157	SEAF_145,146	0.80	0.46	0.14	<0.1	<0.1
	SEAM_156,157	SEAF_153,154	0.24	0.18	0.10	<0.1	<0.1

### Differential High Density Vertical Crosstalk Pin Map





**Series:** SEAM/SEAF

**Description:** Open Pin Field Array, 1.27mm x 1.27mm Pitch, 7 mm Stack Height

<b>Single-Ended: 1:1 S/G</b>	43 ps
<b>Single-Ended: 2:1 S/G</b>	40 ps
<b>Differential: Optimal Horizontal</b>	40 ps
<b>Differential: Optimal Vertical</b>	39 ps
<b>Differential: High Density Vertical</b>	41 ps