Series: SEAM8/SEAF8
Description: Open Pin Field Array, 0.8mm Pitch, 10mm 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	71.1	63.0	55.4	51.0	50.3
Minimum Impedance	40.6	42.6	44.2	45.9	47.7

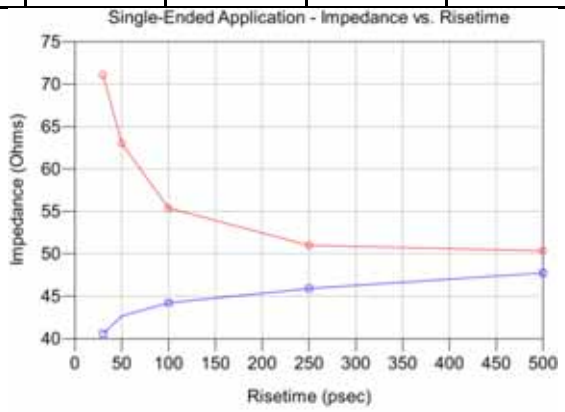
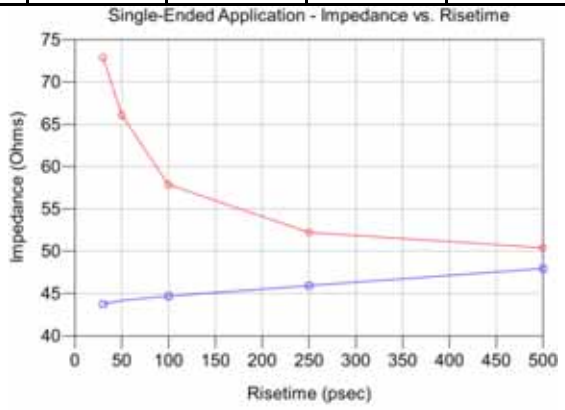


Table 7 – Single-End Impedance (Ω) – 2:1 S/G Pattern					
Signal Risetime	**30 ps**	**50 ps**	**100 ps**	**250 ps**	**500 ps**
Maximum Impedance	72.9	66.1	57.9	52.2	50.4
Minimum Impedance	43.7	44.2	44.7	45.9	47.9



Series: SEAM8/SEAF8
Description: Open Pin Field Array, 0.8mm Pitch, 10mm Stack Height

Table 8 – Differential Impedance (Ω) – Optimal Horizontal					
Signal Risetime	**30 ps**	**50 ps**	**100 ps**	**250 ps**	**500 ps**
Maximum Impedance	115.7	109.0	107.1	103.2	101.4
Minimum Impedance	78.5	83.8	91.3	92.7	94.3

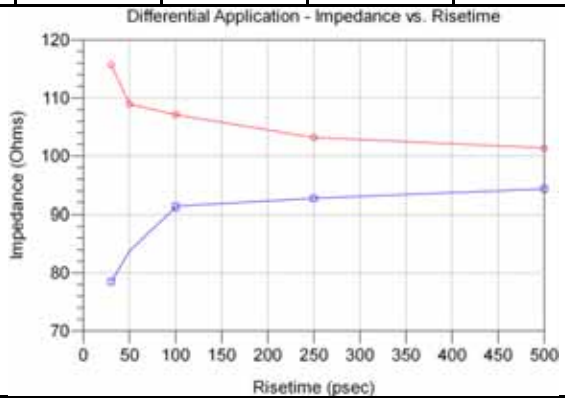
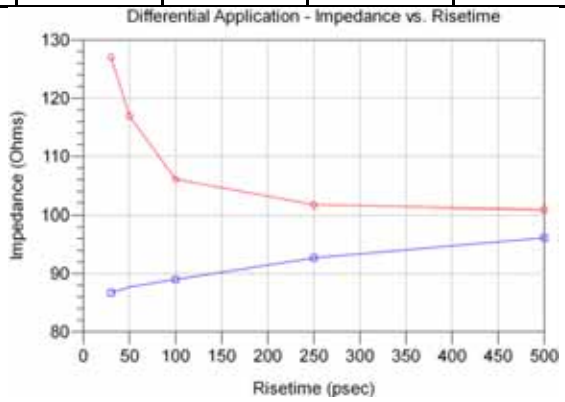
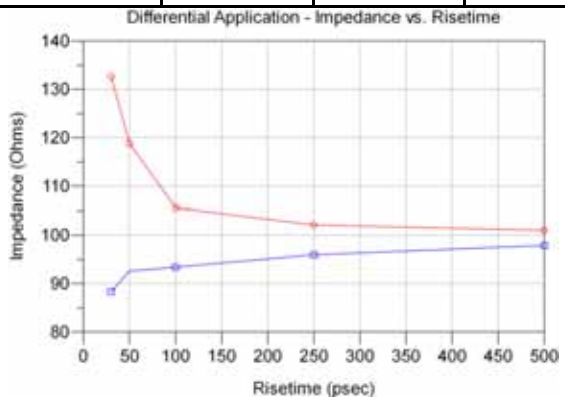


Table 9 – Differential Impedance (Ω) – Optimal Vertical					
Signal Risetime	**30 ps**	**50 ps**	**100 ps**	**250 ps**	**500 ps**
Maximum Impedance	127.0	116.9	106.1	101.7	100.9
Minimum Impedance	86.7	87.7	89.0	92.7	96.2



Series: SEAM8/SEAF8
Description: Open Pin Field Array, 0.8mm Pitch, 10mm Stack Height

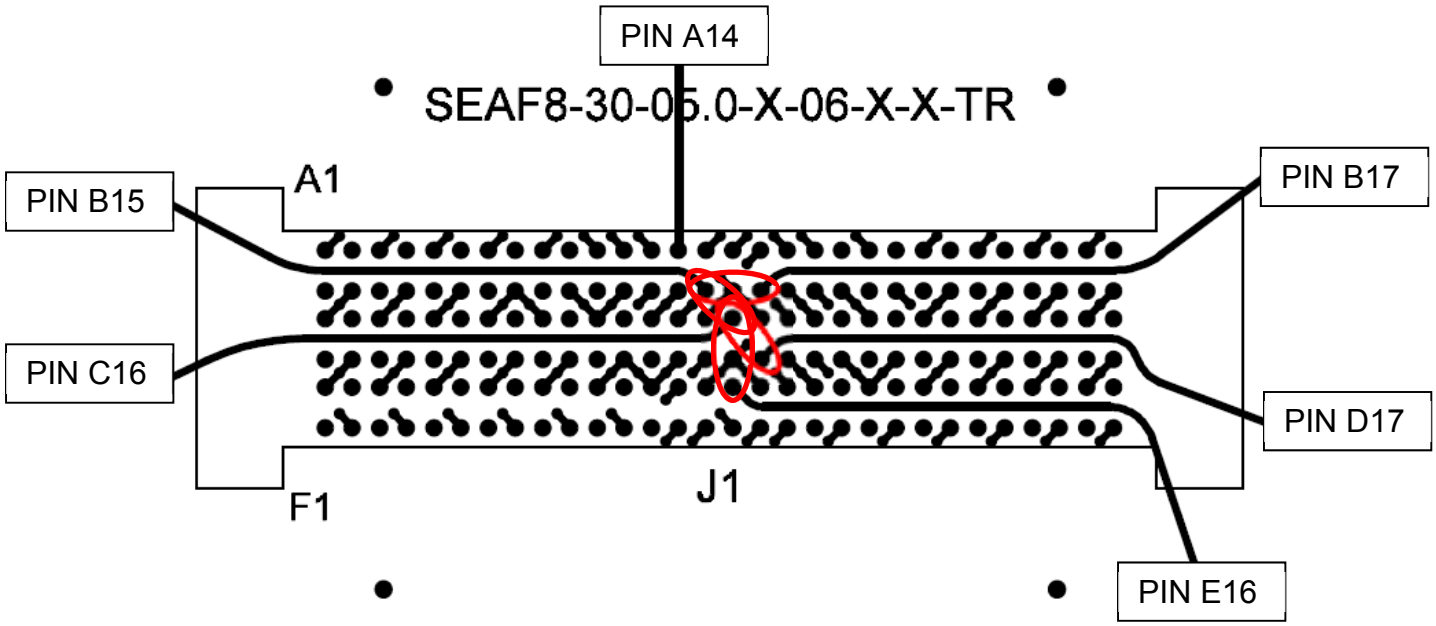
Table 10 – Differential Impedance (Ω) – High Density Vertical					
Signal Risetime	**30 ps**	**50 ps**	**100 ps**	**250 ps**	**500 ps**
Maximum Impedance	132.7	118.8	105.6	102.1	101.0
Minimum Impedance	88.3	92.6	93.4	96.0	97.9



Series: SEAM8/SEAF8
Description: Open Pin Field Array, 0.8mm Pitch, 10mm 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	SEAM8_B15	SEAM8_B17	0.86	0.75	0.58	0.31	0.17
	SEAM8_C16	SEAM8_D17	2.40	2.21	1.73	0.88	0.47
	SEAM8_C16	SEAM8_E16	1.18	0.78	0.26	0.14	<0.1
FEXT	SEAM8_C16	SEAF8_B15	3.14	2.11	1.10	0.48	0.19
	SEAM8_C16	SEAF8_D17	0.92	0.69	0.42	0.17	<0.1
	SEAM8_C16	SEAF8_E16	1.34	0.98	0.55	0.23	0.11

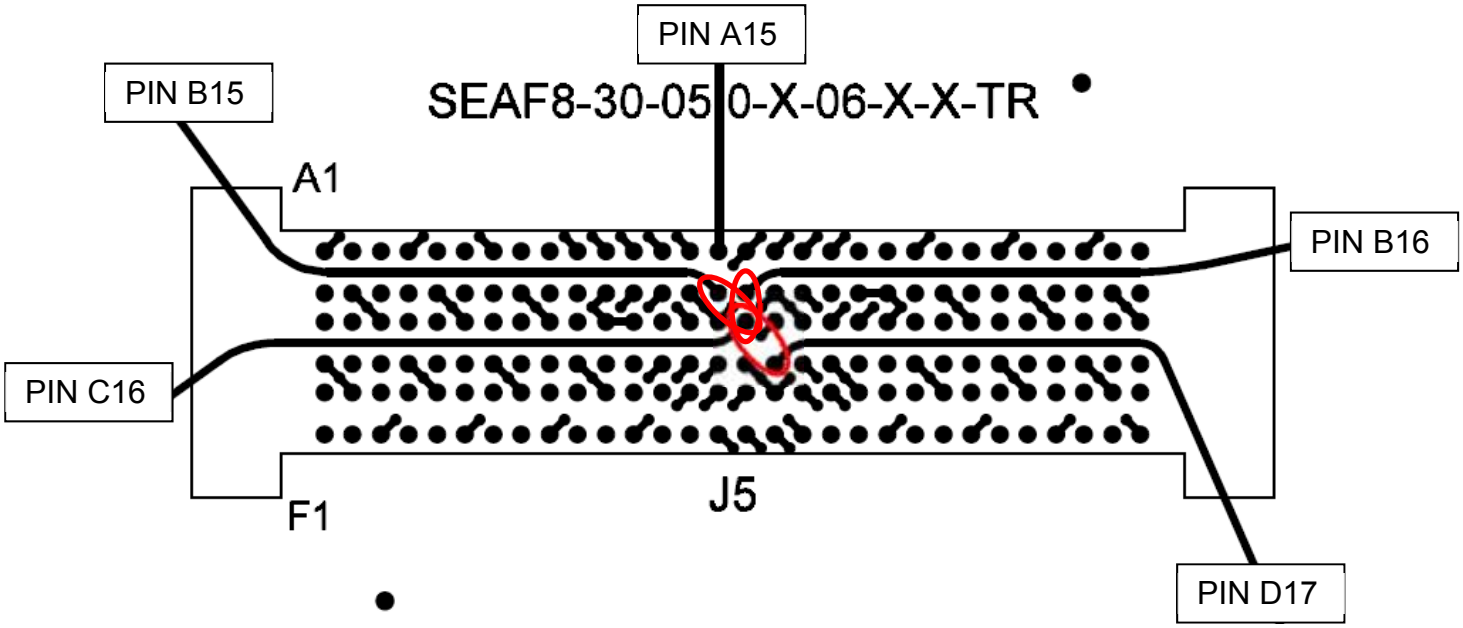
Single-Ended 1:1 S/G Pattern Crosstalk Pin Map



Series: SEAM8/SEAF8
Description: Open Pin Field Array, 0.8mm Pitch, 10mm 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	SEAM8_B15	SEAM8_C16	3.05	2.79	2.56	1.62	0.93
	SEAM8_B16	SEAM8_C16	8.47	7.28	6.38	3.55	2.00
	SEAM8_C16	SEAM8_D17	3.21	2.98	2.41	1.35	0.75
FEXT	SEAM8_C16	SEAF8_B15	4.12	3.13	2.10	1.14	0.56
	SEAM8_C16	SEAF8_B16	4.01	3.29	2.30	1.14	0.54
	SEAM8_C16	SEAF8_D17	2.23	1.96	1.42	0.71	0.39

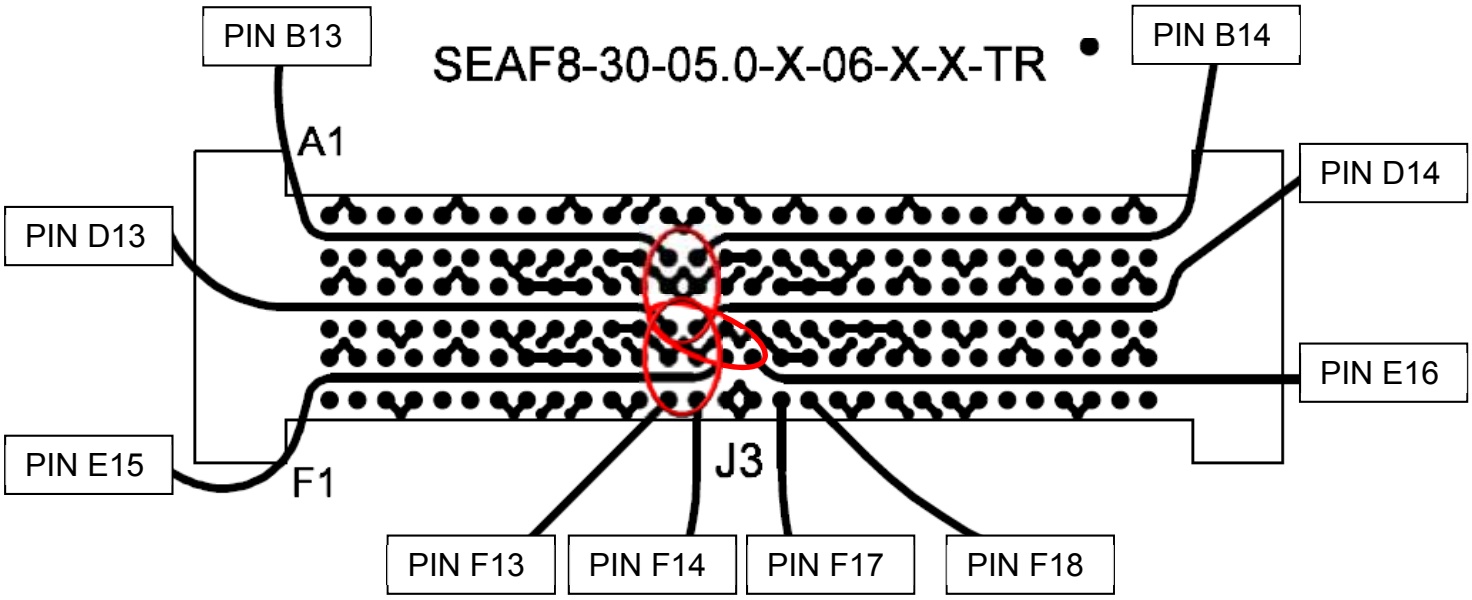
Single-Ended 2:1 S/G Pattern Crosstalk Pin Map



Series: SEAM8/SEAF8
Description: Open Pin Field Array, 0.8mm Pitch, 10mm Stack Height

Table 13 - Differential Crosstalk (%) – Optimal Horizontal							
Input(tr)	**Driver**	**Receiver**	**30 ps**	**50 ps**	**100 ps**	**250 ps**	**500 ps**
NEXT	SEAM8_B13,B14	SEAM8_D13,D14	0.88	0.66	0.43	0.14	<0.1
	SEAM8_D13,D14	SEAM8_E15,E16	1.57	1.49	1.11	0.48	0.24
	SEAM8_D13,D14	SEAM8_F13,F14	<0.1	<0.1	<0.1	<0.1	<0.1
FEXT	SEAM8_D13,D14	SEAF8_B13,B14	3.42	2.26	1.11	0.42	0.16
	SEAM8_D13,D14	SEAF8_E15,E16	2.90	2.04	0.98	0.36	0.15
	SEAM8_D13,D14	SEAF8_F13,F14	0.12	<0.1	<0.1	<0.1	<0.1

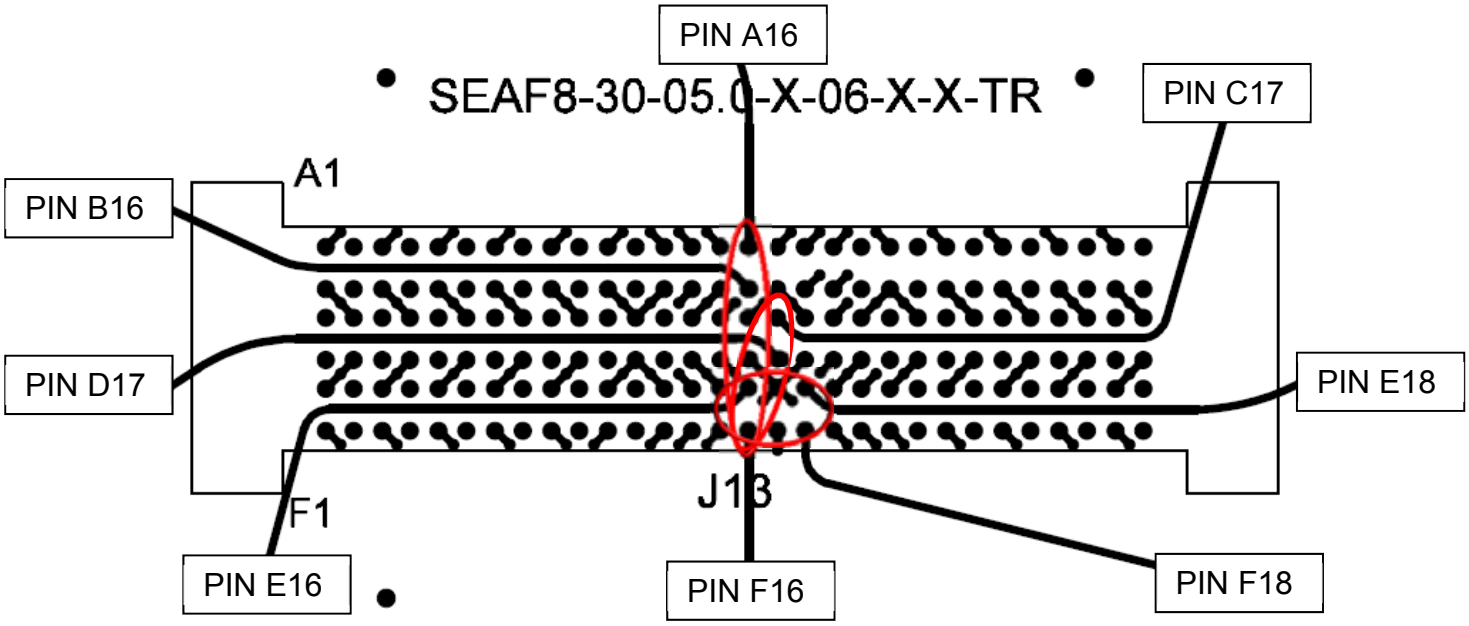
Differential Optimal Horizontal Crosstalk Pin Map



Series: SEAM8/SEAF8
Description: Open Pin Field Array, 0.8mm Pitch, 10mm Stack Height

Table 14 - Differential Crosstalk (%) – Optimal Vertical							
Input(tr)	**Driver**	**Receiver**	**30 ps**	**50 ps**	**100 ps**	**250 ps**	**500 ps**
NEXT	SEAM8_E16,F16	SEAM8_A16,B16	0.18	<0.1	<0.1	<0.1	<0.1
	SEAM8_E16,F16	SEAM8_C17,D17	0.99	0.82	0.70	0.41	0.21
	SEAM8_E16,F16	SEAM8_E18,F18	1.09	0.93	0.64	0.32	0.17
FEXT	SEAM8_E16,F16	SEAF8_A16,B16	0.30	0.16	<0.1	<0.1	<0.1
	SEAM8_E16,F16	SEAF8_C17,D17	1.65	1.05	0.52	0.22	<0.1
	SEAM8_E16,F16	SEAF8_E18,F18	0.79	0.52	0.28	0.12	<0.1

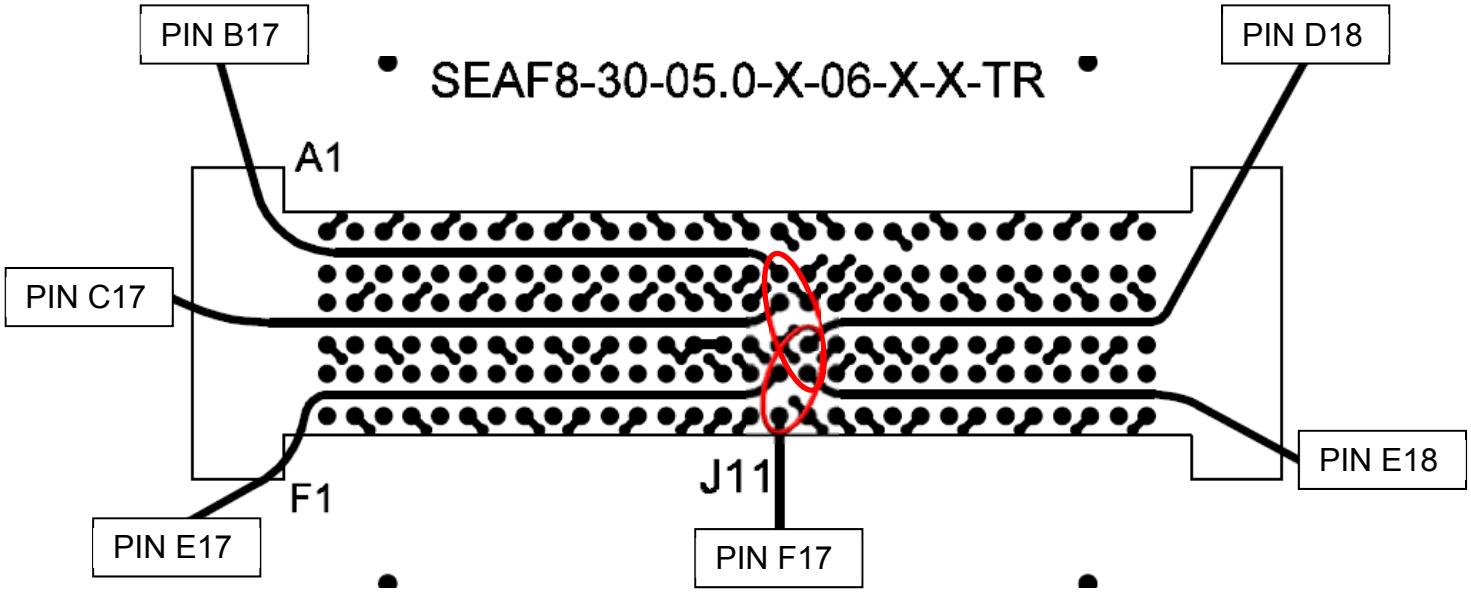
Differential Optimal Vertical Crosstalk Pin Map



Series: SEAM8/SEAF8
Description: Open Pin Field Array, 0.8mm Pitch, 10mm Stack Height

Table 15 - Differential Crosstalk (%) – High Density Vertical							
Input(tr)	**Driver**	**Receiver**	**30 ps**	**50 ps**	**100 ps**	**250 ps**	**500 ps**
NEXT	SEAM8_B17,C17	SEAM8_E17,F17	0.16	0.12	<0.1	<0.1	<0.1
	SEAM8_D18,E18	SEAM8_B17,C17	1.23	1.12	0.83	0.41	0.21
	SEAM8_D18,E18	SEAM8_E17,F17	4.92	4.21	3.40	1.86	1.04
FEXT	SEAM8_B17,C17	SEAF8_E17,F17	0.26	0.16	<0.1	<0.1	<0.1
	SEAM8_D18,E18	SEAF8_B17,C17	0.57	0.28	0.12	<0.1	<0.1
	SEAM8_D18,E18	SEAF8_E17,F17	1.42	0.94	0.65	0.31	0.15

Differential High Density Vertical Crosstalk Pin Map



Series: SEAM8/SEAF8
Description: Open Pin Field Array, 0.8mm Pitch, 10mm Stack Height

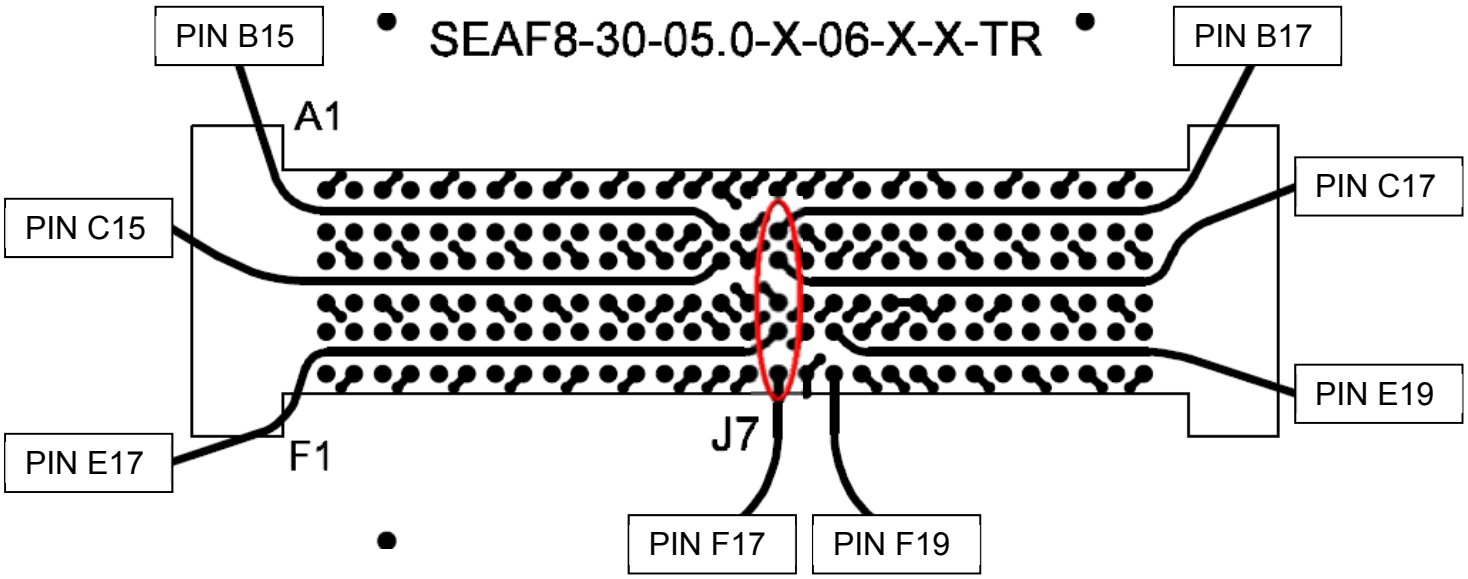


Table 16 - Propagation Delay (Mated Connector)	
Single-Ended: 1:1 S/G	62 ps
Single-Ended: 2:1 S/G	67 ps
Differential: Optimal Horizontal	56 ps
Differential: Optimal Vertical	59 ps
Differential: High Density Vertical	60 ps