Series: SEAM8/SEAF8
Description: Open Pin Field Array, 0.8mm Pitch, 7mm 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	69.2	60.3	53.6	50.6	50.3
Minimum Impedance	43.6	45.6	46.6	47.9	48.9

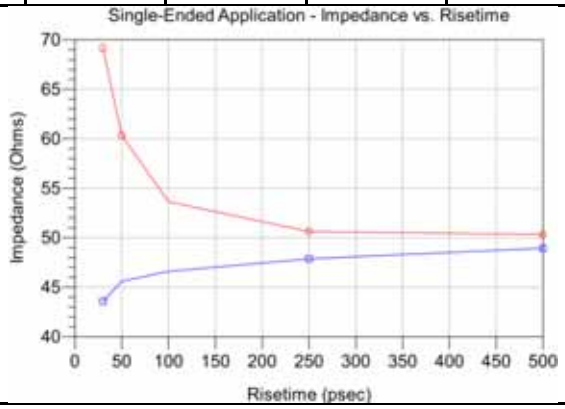
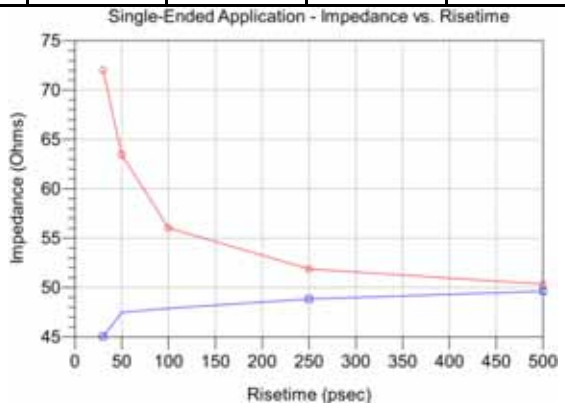


Table 7 – Single-End Impedance (Ω) – 2:1 S/G Pattern					
Signal Risetime	**30 ps**	**50 ps**	**100 ps**	**250 ps**	**500 ps**
Maximum Impedance	72.0	63.4	56.0	51.9	50.3
Minimum Impedance	45.0	47.5	47.9	48.8	49.6



Series: SEAM8/SEAF8
Description: Open Pin Field Array, 0.8mm Pitch, 7mm Stack Height

Table 8 – Differential Impedance (Ω) – Optimal Horizontal					
Signal Risetime	**30 ps**	**50 ps**	**100 ps**	**250 ps**	**500 ps**
Maximum Impedance	113.3	107.0	105.9	103.0	101.5
Minimum Impedance	77.2	86.8	93.3	96.3	98.7

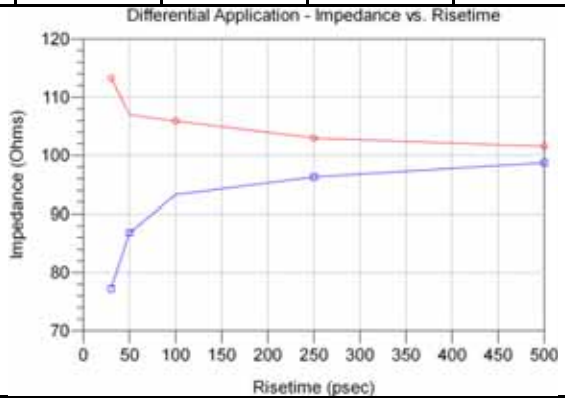
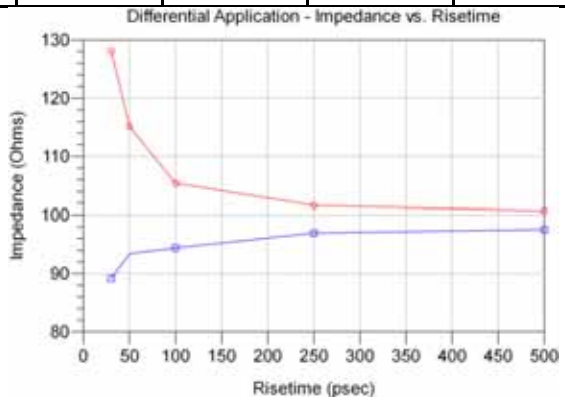
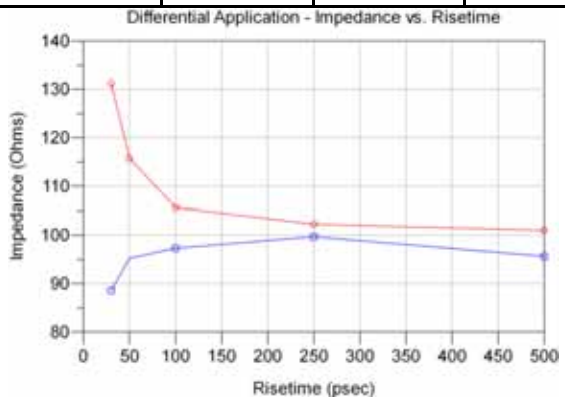


Table 9 – Differential Impedance (Ω) – Optimal Vertical					
Signal Risetime	**30 ps**	**50 ps**	**100 ps**	**250 ps**	**500 ps**
Maximum Impedance	128.2	115.1	105.4	101.6	100.7
Minimum Impedance	89.2	93.4	94.4	96.9	97.6



Series: SEAM8/SEAF8
Description: Open Pin Field Array, 0.8mm Pitch, 7mm Stack Height

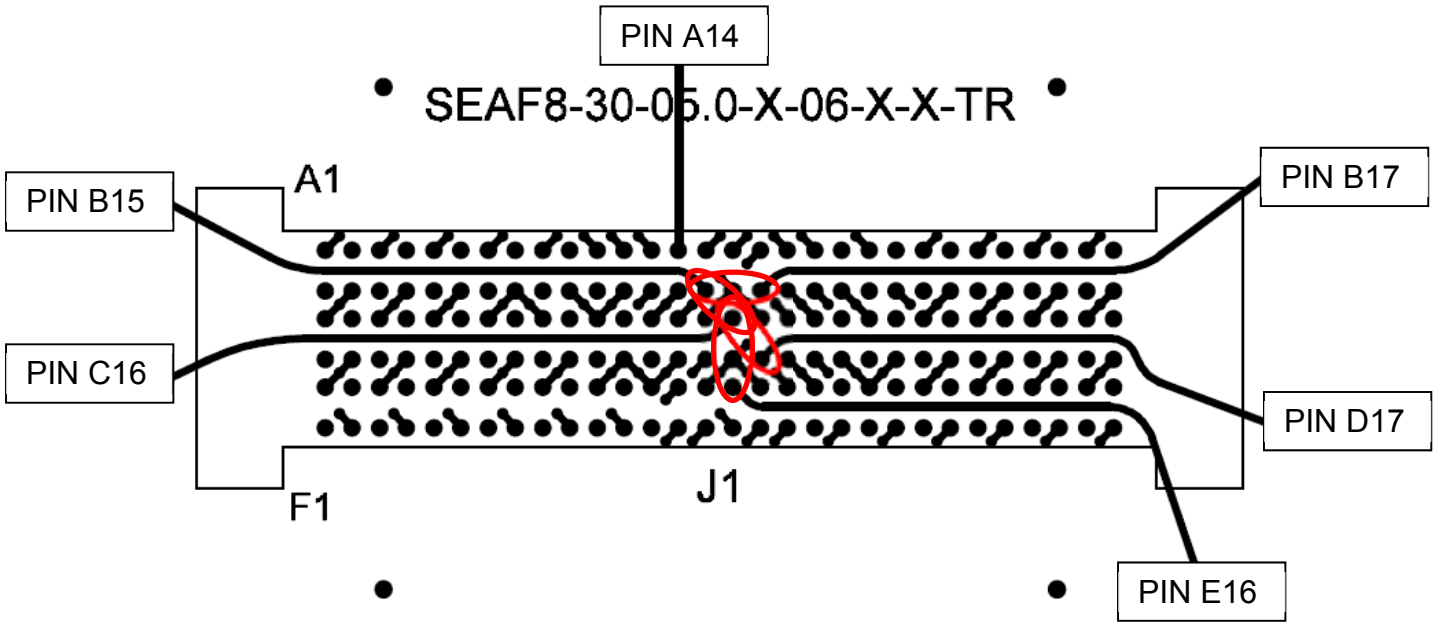
Table 10 – Differential Impedance (Ω) – High Density Vertical					
Signal Risetime	**30 ps**	**50 ps**	**100 ps**	**250 ps**	**500 ps**
Maximum Impedance	131.2	115.7	105.6	102.3	101.0
Minimum Impedance	88.6	95.2	97.3	99.7	95.6



Series: SEAM8/SEAF8
Description: Open Pin Field Array, 0.8mm Pitch, 7mm 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	0.81	0.71	0.48	0.22	0.12
	SEAM8_C16	SEAM8_D17	2.23	2.06	1.47	0.69	0.36
	SEAM8_C16	SEAM8_E16	1.25	0.96	0.46	0.22	0.15
FEXT	SEAM8_C16	SEAF8_B15	2.79	2.15	1.14	0.46	0.23
	SEAM8_C16	SEAF8_D17	0.92	0.77	0.47	0.20	<0.1
	SEAM8_C16	SEAF8_E16	1.44	1.10	0.56	0.21	0.12

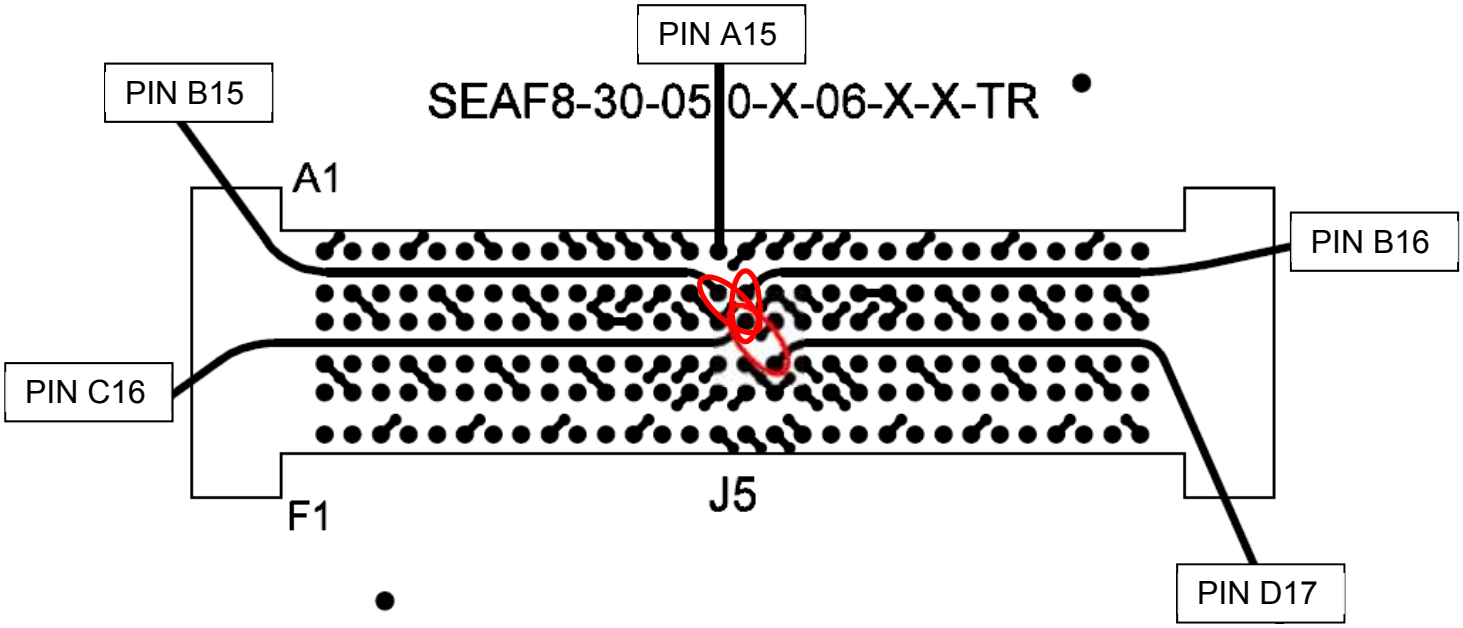
Single-Ended 1:1 S/G Pattern Crosstalk Pin Map



Series: SEAM8/SEAF8
Description: Open Pin Field Array, 0.8mm Pitch, 7mm 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	3.10	2.81	2.18	1.16	0.64
	SEAM8_B16	SEAM8_C16	8.28	7.46	5.68	2.85	1.47
	SEAM8_C16	SEAM8_D17	3.07	2.85	2.15	1.11	0.60
FEXT	SEAM8_C16	SEAF8_B15	4.03	3.20	2.03	0.95	0.49
	SEAM8_C16	SEAF8_B16	3.96	3.07	1.98	0.90	0.46
	SEAM8_C16	SEAF8_D17	1.99	1.79	1.28	0.61	0.31

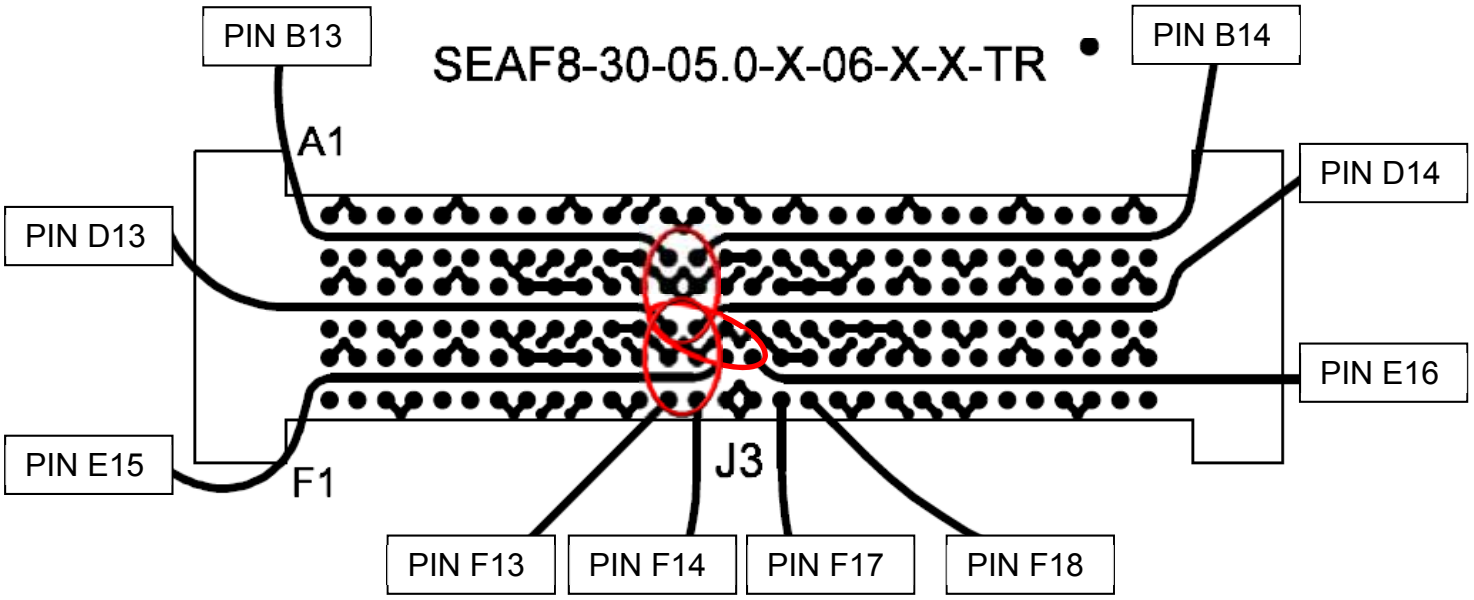
Single-Ended 2:1 S/G Pattern Crosstalk Pin Map



Series: SEAM8/SEAF8
Description: Open Pin Field Array, 0.8mm Pitch, 7mm 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	0.73	0.66	0.44	0.20	0.15
	SEAM8_D13,D14	SEAM8_E15,E16	1.51	1.42	1.02	0.44	<0.1
	SEAM8_D13,D14	SEAM8_F13,F14	<0.1	<0.1	<0.1	<0.1	<0.1
FEXT	SEAM8_D13,D14	SEAF8_B13,B14	3.16	2.27	0.99	0.34	0.21
	SEAM8_D13,D14	SEAF8_E15,E16	2.51	1.85	0.83	0.29	0.20
	SEAM8_D13,D14	SEAF8_F13,F14	0.11	<0.1	<0.1	<0.1	<0.1

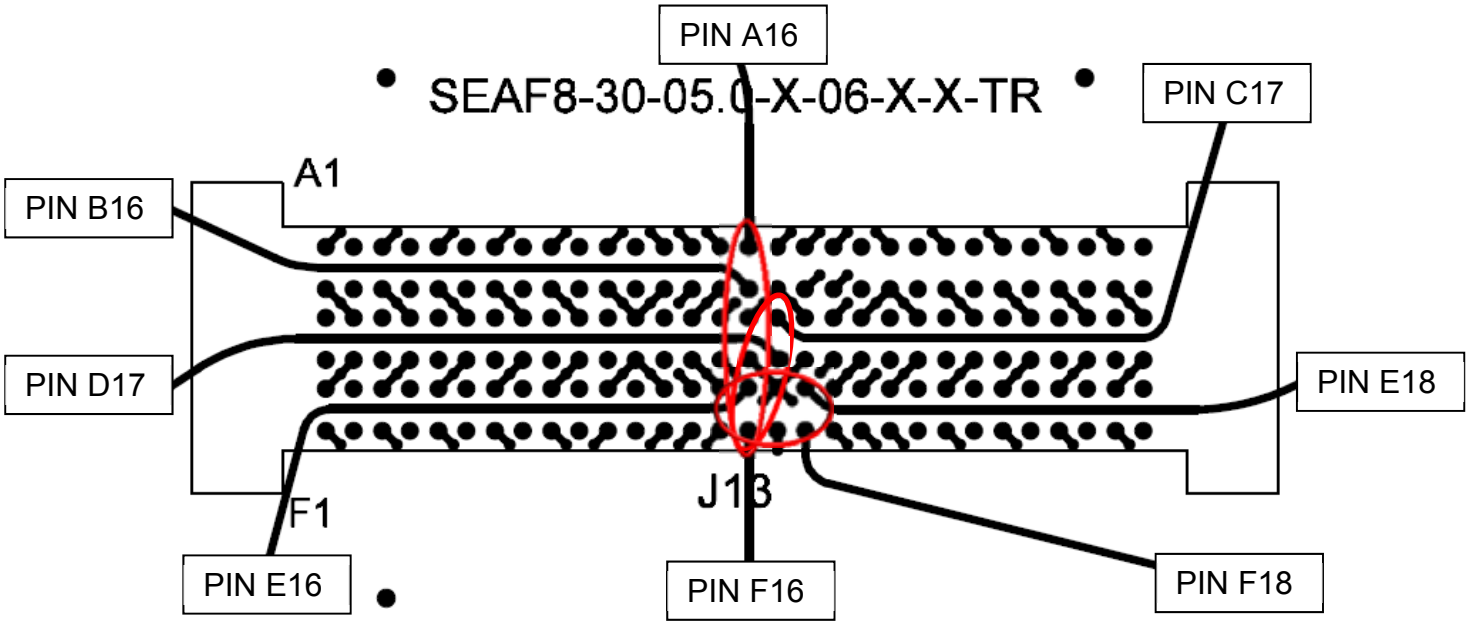
Differential Optimal Horizontal Crosstalk Pin Map



Series: SEAM8/SEAF8
Description: Open Pin Field Array, 0.8mm Pitch, 7mm Stack Height

Table 14 - Differential Crosstalk (%) – Optimal Vertical							
Input(tr)	**Driver**	**Receiver**	**30 ps**	**50 ps**	**100 ps**	**250 ps**	**500 ps**
NEXT	SEAM8_A16,B16	SEAM8_E16,F16	0.16	<0.1	<0.1	<0.1	<0.1
	SEAM8_C17,D17	SEAM8_E16,F16	0.81	0.73	0.53	0.25	0.25
	SEAM8_E16,F16	SEAM8_E18,F18	1.04	0.85	0.55	0.25	0.12
FEXT	SEAM8_E16,F16	SEAF8_A16,B16	0.20	0.12	<0.1	<0.1	<0.1
	SEAM8_E16,F16	SEAF8_C17,D17	1.53	1.13	0.53	0.20	0.11
	SEAM8_E16,F16	SEAF8_E18,F18	0.82	0.51	0.25	<0.1	<0.1

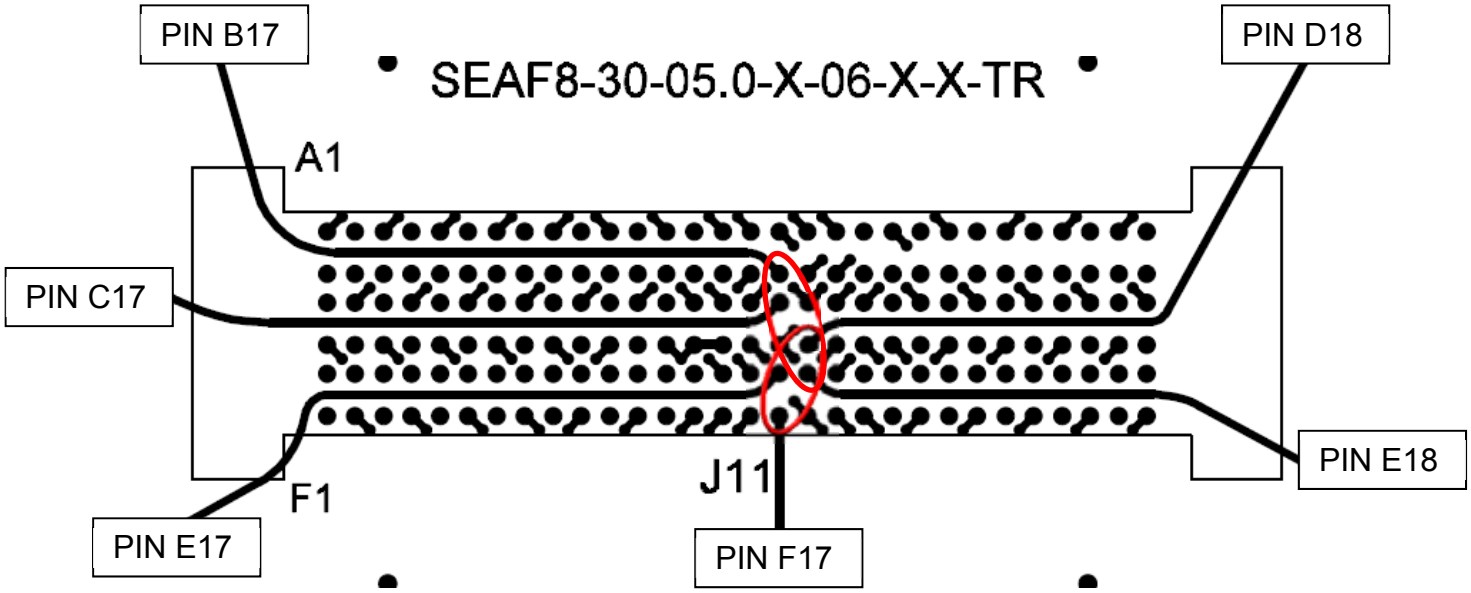
Differential Optimal Vertical Crosstalk Pin Map



Series: SEAM8/SEAF8
Description: Open Pin Field Array, 0.8mm Pitch, 7mm 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_D18,E18	1.21	1.09	0.76	0.36	<0.1
	SEAM8_B17,C17	SEAM8_E17,F17	0.17	0.12	0.10	<0.1	<0.1
	SEAM8_D18,E18	SEAM8_E17,F17	4.05	3.47	2.84	1.42	0.65
FEXT	SEAM8_B17,C17	SEAF8_E17,F17	0.16	0.12	<0.1	<0.1	<0.1
	SEAM8_D18,E18	SEAF8_B17,C17	0.37	0.17	<0.1	<0.1	<0.1
	SEAM8_D18,E18	SEAF8_E17,F17	1.23	0.87	0.50	0.22	<0.1

Differential High Density Vertical Crosstalk Pin Map



Series: SEAM8/SEAF8
Description: Open Pin Field Array, 0.8mm Pitch, 7mm Stack Height

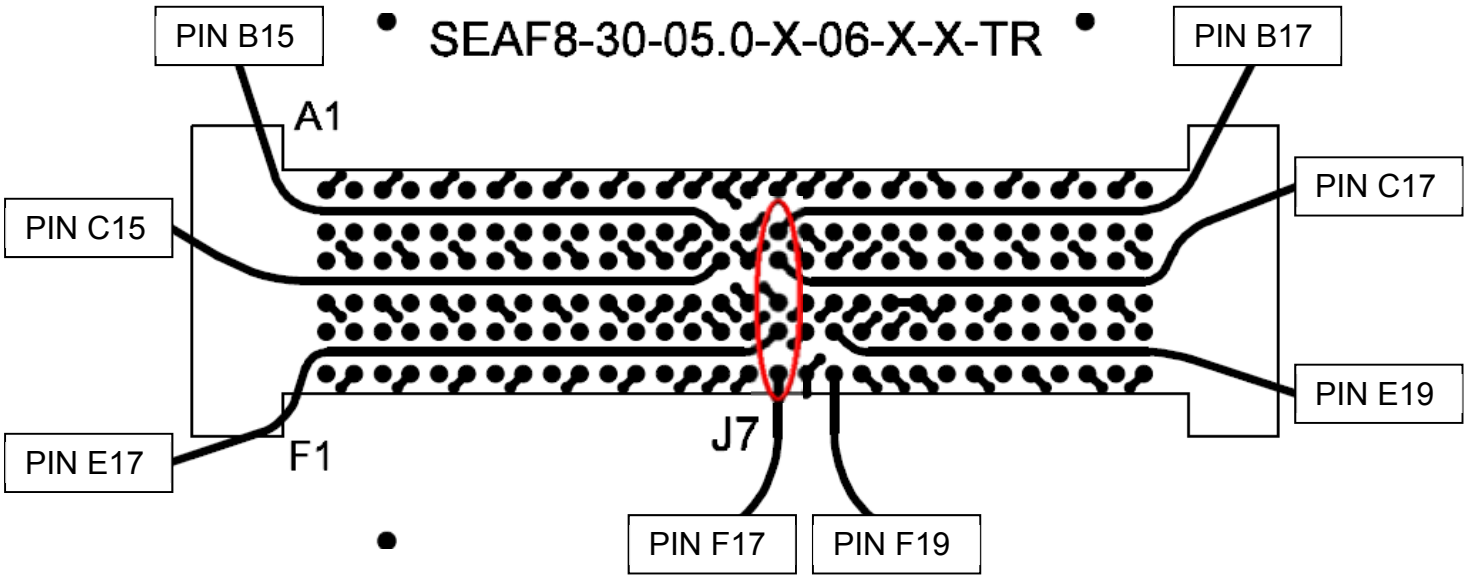


Table 16 - Propagation Delay (Mated Connector)	
Single-Ended: 1:1 S/G	50 ps
Single-Ended: 2:1 S/G	52 ps
Differential: Optimal Horizontal	46 ps
Differential: Optimal Vertical	49 ps
Differential: High Density Vertical	49 ps