

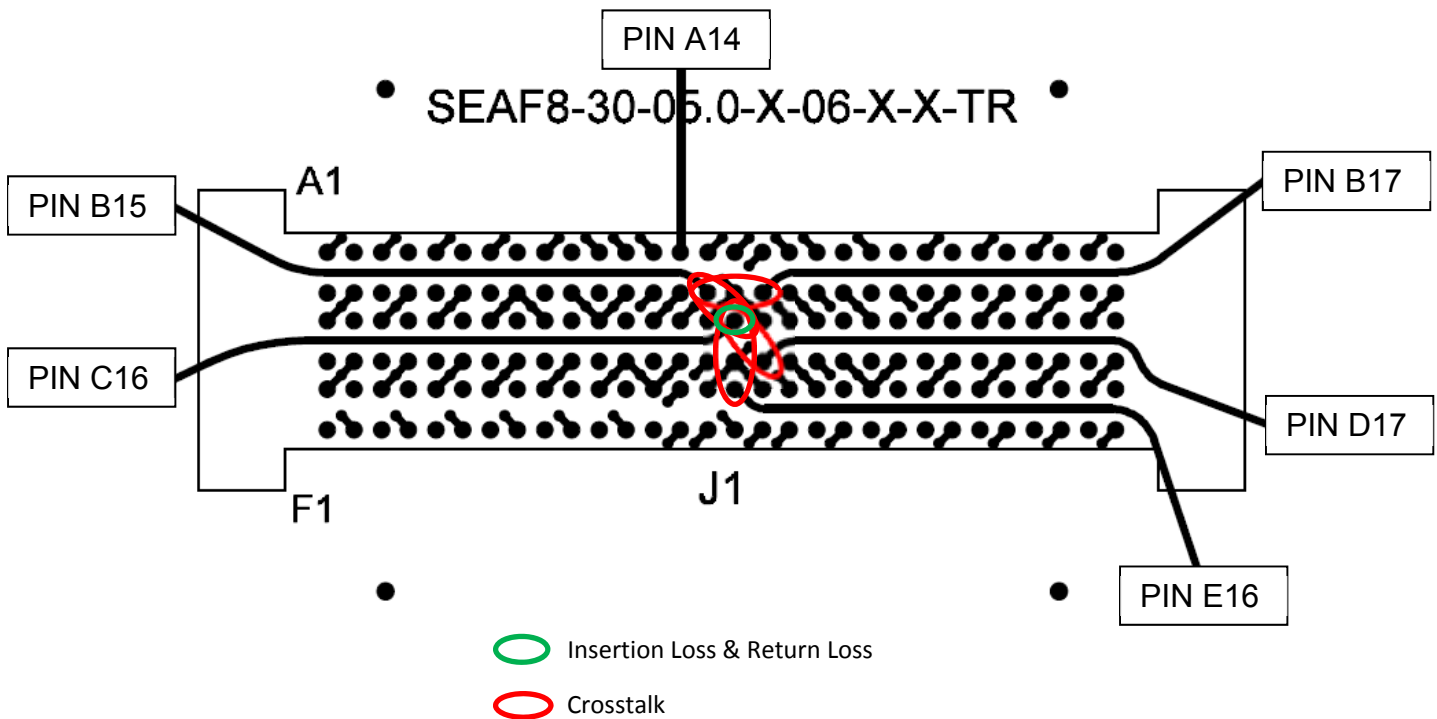
**Series:** SEAM8/SEAF8

**Description:** Open Pin Field Array, 0.8mm Pitch, 10mm Stack Height

## Frequency Domain Data Summary

Table 1 - Single-Ended 1:1 S/G Pattern Performance			
Test Parameter	Driver	Receiver	
Insertion Loss	SEAM8_C16	SEAF8_C16	3dB@ 9.8 GHz
Return Loss	SEAM8_C16	SEAM8_C16	>10dB to 4.1 GHz
Near-End Crosstalk	SEAM8_B15	SEAM8_B17	<-20dB to 20.0GHz
	SEAM8_C16	SEAM8_D17	<-20dB to 20.0GHz
	SEAM8_C16	SEAM8_E16	<-20dB to 9.4 GHz
Far-End Crosstalk	SEAM8_C16	SEAF8_B15	<-20dB to 9.5GHz
	SEAM8_C16	SEAF8_D17	<-20dB to 20.0 GHz
	SEAM8_C16	SEAF8_E16	<-20dB to 16.7 GHz

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

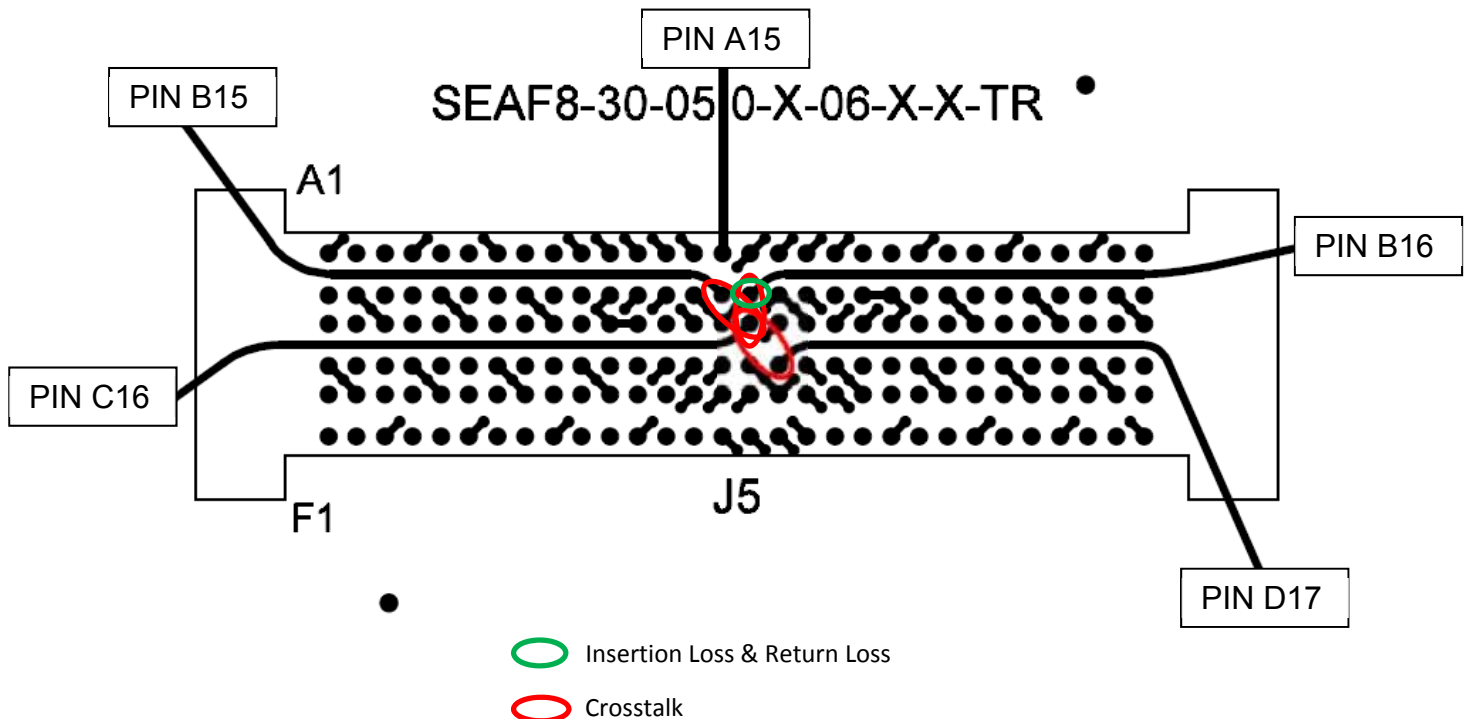


Series: SEAM8/SEAF8

Description: Open Pin Field Array, 0.8mm Pitch, 10mm Stack Height

Table 2 - Single-Ended 2:1 S/G Pattern Performance			
Test Parameter	Driver	Receiver	
Insertion Loss	SEAM8_B16	SEAF8_B16	3dB@ 9.8 GHz
Return Loss	SEAM8_B16	SEAM8_B16	>10dB to 4.0 GHz
Near-End Crosstalk	SEAM8_B15	SEAM8_C16	<-20dB to 9.6 GHz
	SEAM8_B16	SEAM8_C16	<-20dB to 2.1 GHz
	SEAM8_C16	SEAM8_D17	<-20dB to 20.0 GHz
Far-End Crosstalk	SEAM8_C16	SEAF8_B15	<-20dB to 9.5 GHz
	SEAM8_C16	SEAF8_B16	<-20dB to 20.0 GHz
	SEAM8_C16	SEAF8_D17	<-20dB to 20.0 GHz

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

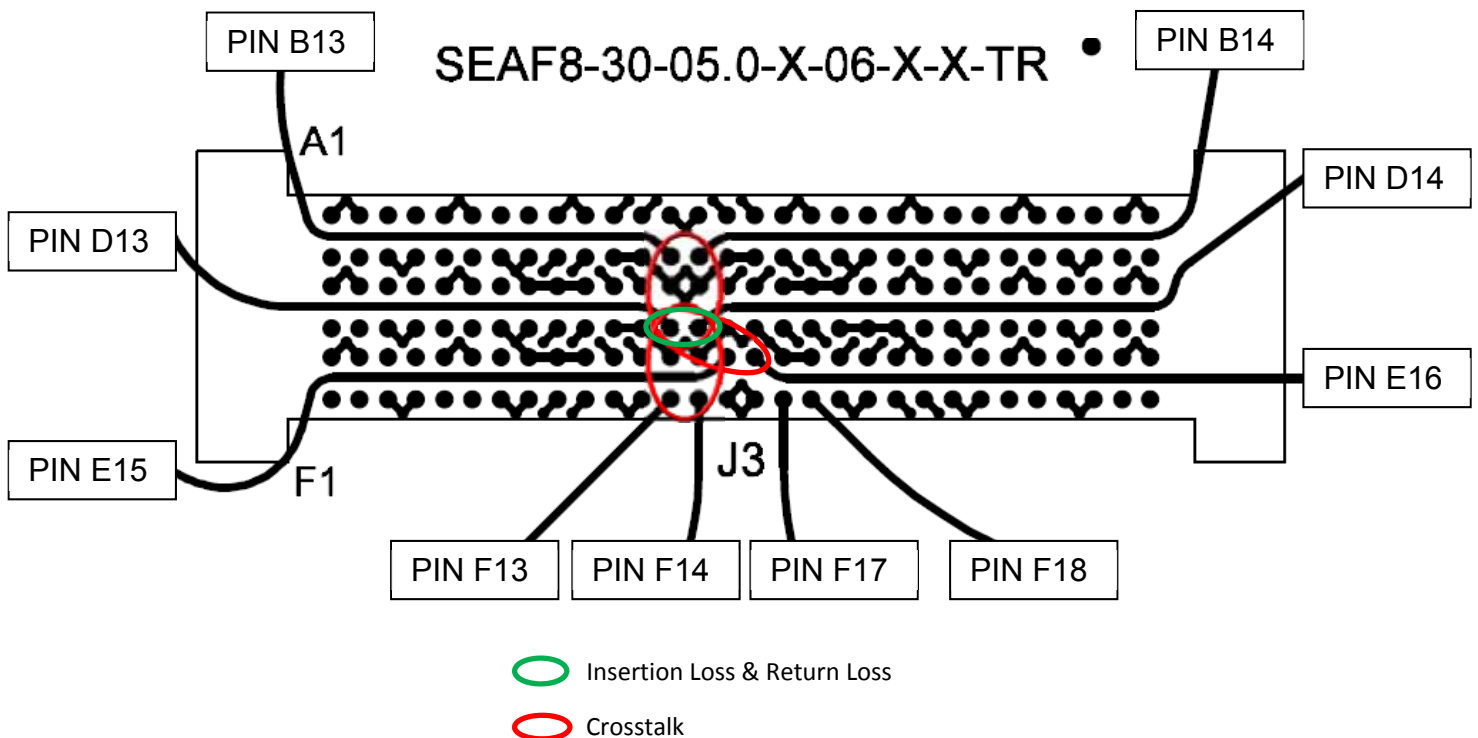


Series: SEAM8/SEAF8

Description: Open Pin Field Array, 0.8mm Pitch, 10mm Stack Height

Table 3 - Differential Optimal Horizontal Performance			
Test Parameter	Driver	Receiver	
Insertion Loss	SEAM8_D13,D14	SEAF8_D13,D14	3dB@ 9.4 GHz
Return Loss	SEAM8_D13,D14	SEAM8_D13,D14	>10dB to 7.6 GHz
Near-End Crosstalk	SEAM8_B13,B14	SEAM8_D13,D14	<-20dB to 7.1 GHz
	SEAM8_D13,D14	SEAM8_E15,E16	<-20dB to 7.2 GHz
	SEAM8_D13,D14	SEAM8_F13,F14	<-20dB to 20.0 GHz
Far-End Crosstalk	SEAM8_D13,D14	SEAF8_B13,B14	<-20dB to 9.2 GHz
	SEAM8_D13,D14	SEAF8_E15,E16	<-20dB to 7.2 GHz
	SEAM8_D13,D14	SEAF8_F13,F14	<-20dB to 20.0 GHz

### Differential Optimal Horizontal Pin Map

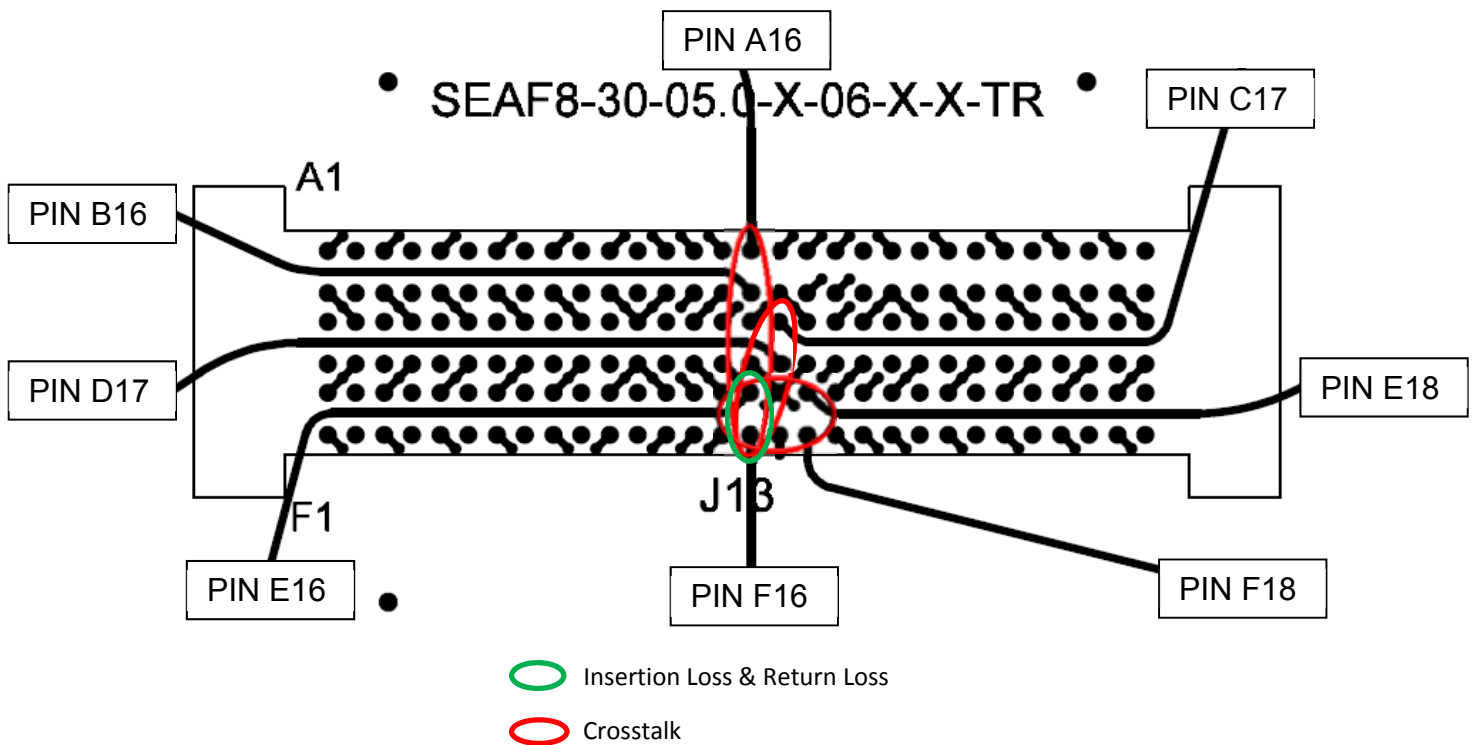


Series: SEAM8/SEAF8

Description: Open Pin Field Array, 0.8mm Pitch, 10mm Stack Height

Table 4 - Differential Optimal Vertical Performance			
Test Parameter	Driver	Receiver	
Insertion Loss	SEAM8_E16,F16	SEAF8_E16,F16	3dB@ 17.2 GHz
Return Loss	SEAM8_E16,F16	SEAM8_E16,F16	>10dB to 7.7 GHz
Near-End Crosstalk	SEAM8_E16,F16	SEAM8_A16,B16	<-20dB to 20.0 GHz
	SEAM8_E16,F16	SEAM8_C17,D17	<-20dB to 9.8 GHz
	SEAM8_E16,F16	SEAM8_E18,F18	<-20dB to 20.0 GHz
Far-End Crosstalk	SEAM8_E16,F16	SEAF8_A16,B16	<-20dB to 10.6 GHz
	SEAM8_E16,F16	SEAF8_C17,D17	<-20dB to 9.8 GHz
	SEAM8_E16,F16	SEAF8_E18,F18	<-20dB to 20.0 GHz

### Differential Optimal Vertical Pin Map

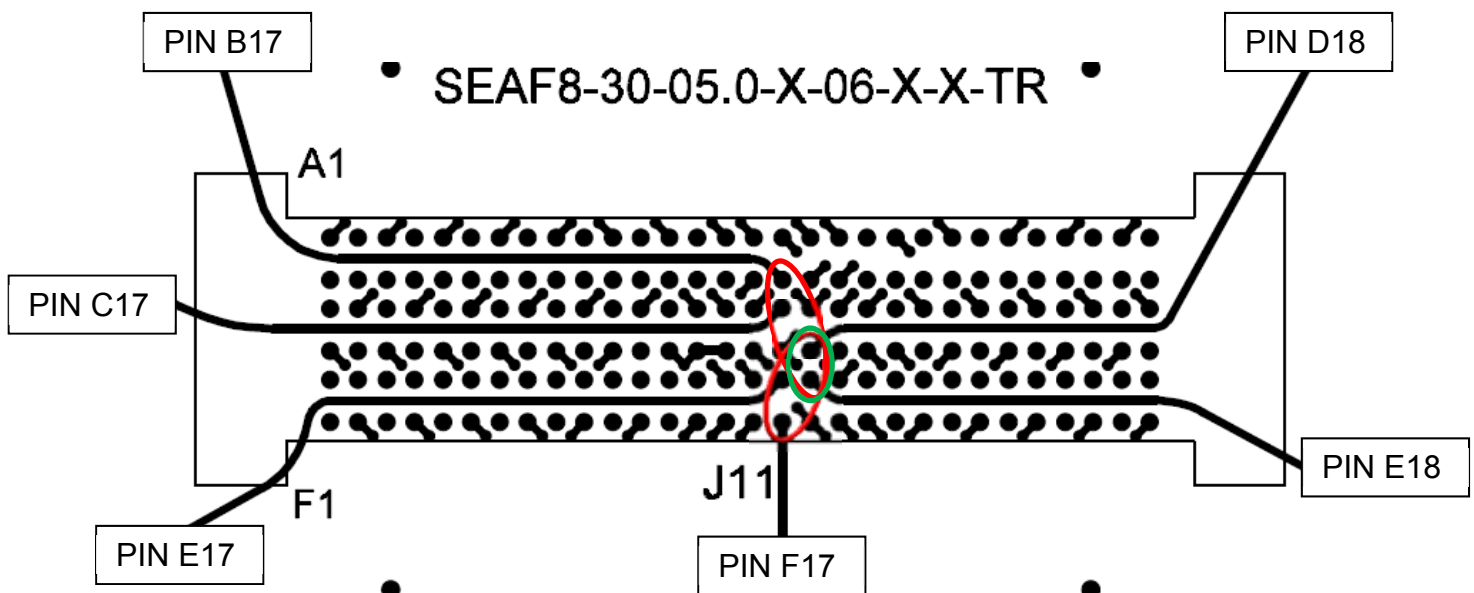


Series: SEAM8/SEAF8

Description: Open Pin Field Array, 0.8mm Pitch, 10mm Stack Height

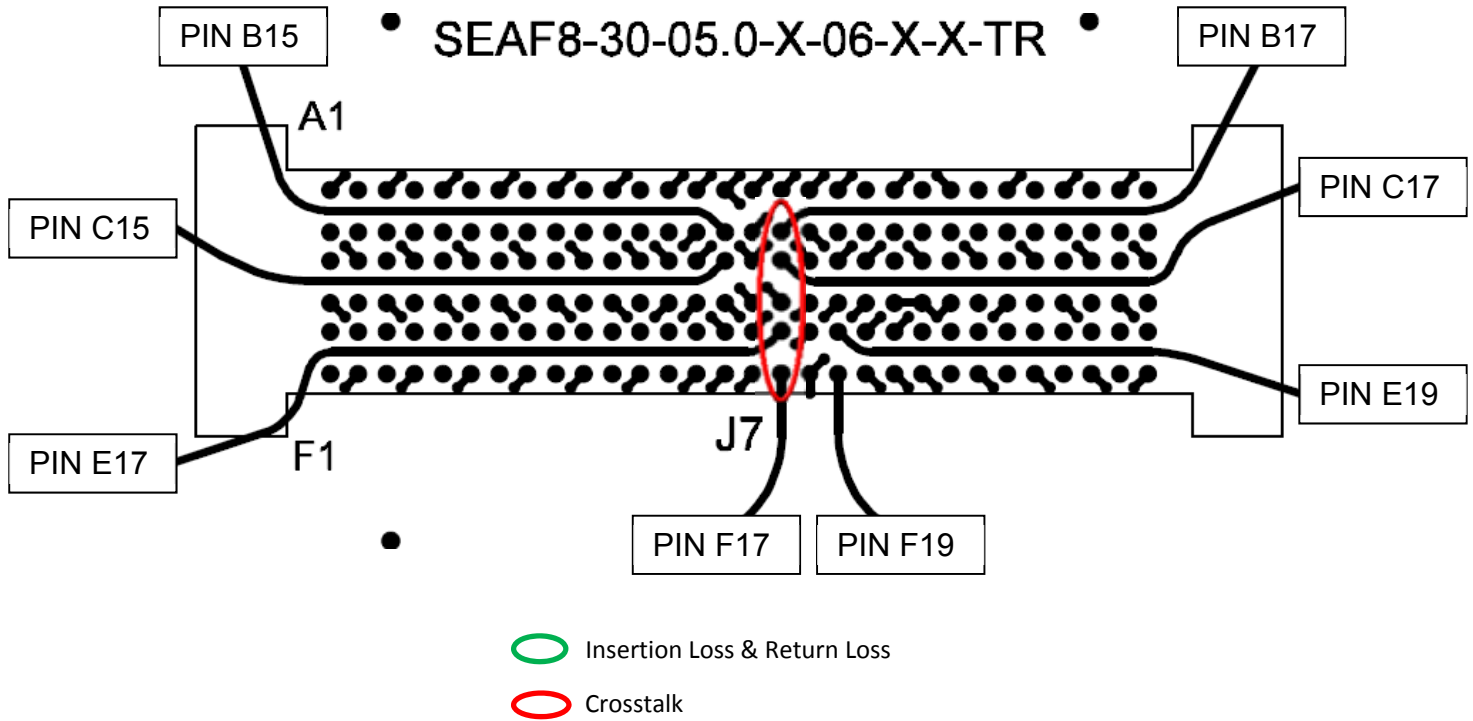
Table 5 - Differential High Density Vertical Performance			
Test Parameter	Driver	Receiver	
Insertion Loss	SEAM8_D18,E18	SEAF8_D18,E18	3dB@ 9.8 GHz
Return Loss	SEAM8_D18,E18	SEAM8_D18,E18	>10dB to 7.6 GHz
Near-End Crosstalk	SEAM8_B17,C17	SEAM8_E17,F17	<-20dB to 20.0 GHz
	SEAM8_D18,E18	SEAM8_B17,C17	<-20dB to 20.0 GHz
	SEAM8_D18,E18	SEAM8_E17,F17	<-20dB to 12.2 GHz
Far-End Crosstalk	SEAM8_B17,C17	SEAF8_E17,F17	<-20dB to 20.0 GHz
	SEAM8_D18,E18	SEAF8_B17,C17	<-20dB to 20.0 GHz
	SEAM8_D18,E18	SEAF8_E17,F17	<-20dB to 18.4 GHz

### Differential High Density Vertical Pin Map



Series: SEAM8/SEAF8

Description: Open Pin Field Array, 0.8mm Pitch, 10mm Stack Height



**Series:** SEAM8/SEAF8

**Description:** Open Pin Field Array, 0.8mm Pitch, 10mm Stack Height

## Bandwidth Charts – Single-Ended & Differential Insertion Loss

SEAM8/SEAF8 Array Series

