

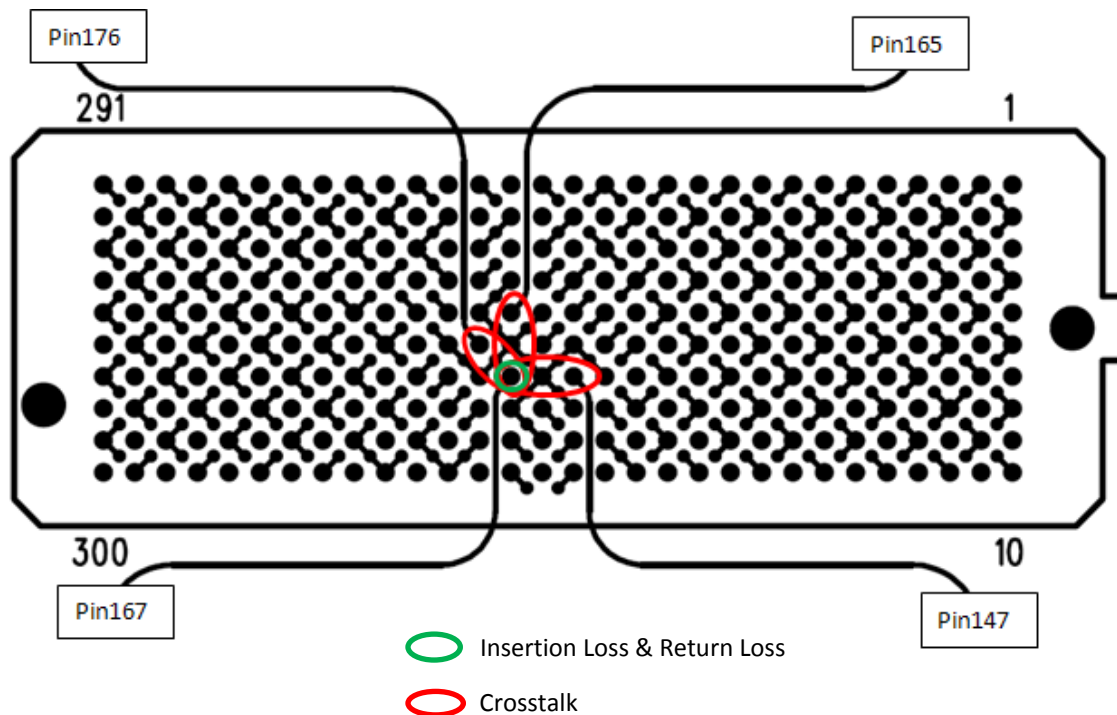
Series: SEAM/SEAF

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

## Frequency Domain Data Summary

Table 1 - Single-Ended 1:1 S/G Pattern Performance			
Test Parameter	Driver	Receiver	
Insertion Loss	SEAM_167	SEAF_167	-3dB@ 12.1 GHz
Return Loss	SEAM_167	SEAM_167	-6.5dB@ 12.1 GHz
Near-End Crosstalk	SEAM_167	SEAM_147	-21.3dB@ 12.1 GHz
	SEAM_167	SEAM_165	-37.7dB@ 12.1 GHz
	SEAM_167	SEAM_176	-34.7dB@ 12.1 GHz
Far-End Crosstalk	SEAM_167	SEAF_147	-20.7dB@ 12.1 GHz
	SEAM_167	SEAF_165	-38.3dB@ 12.1 GHz
	SEAM_167	SEAF_176	-32.3dB@ 12.1 GHz

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

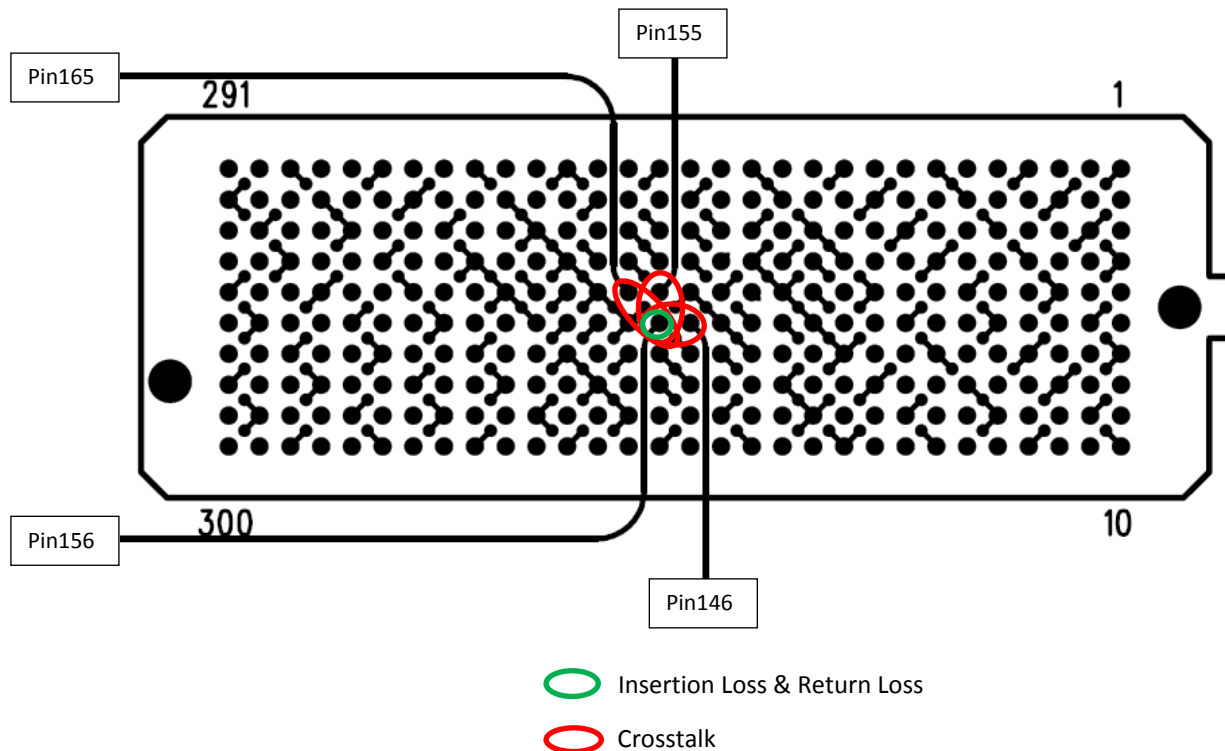


**Series:** SEAM/SEAF

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Table 2 - Single-Ended 2:1 S/G Pattern Performance			
Test Parameter	Driver	Receiver	
Insertion Loss	SEAM_156	SEAF_156	-3dB@ 12.4 GHz
Return Loss	SEAM_156	SEAM_156	-5.6dB@ 12.4 GHz
Near-End Crosstalk	SEAM_156	SEAM_146	-26.3dB@ 12.4 GHz
	SEAM_156	SEAM_155	-25.1dB@ 12.4 GHz
	SEAM_156	SEAM_165	-29.1dB@ 12.4 GHz
Far-End Crosstalk	SEAM_156	SEAF_146	-26.5dB@ 12.4 GHz
	SEAM_156	SEAF_155	-30.8dB@ 12.4 GHz
	SEAM_156	SEAF_165	-30.4dB@ 12.4 GHz

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

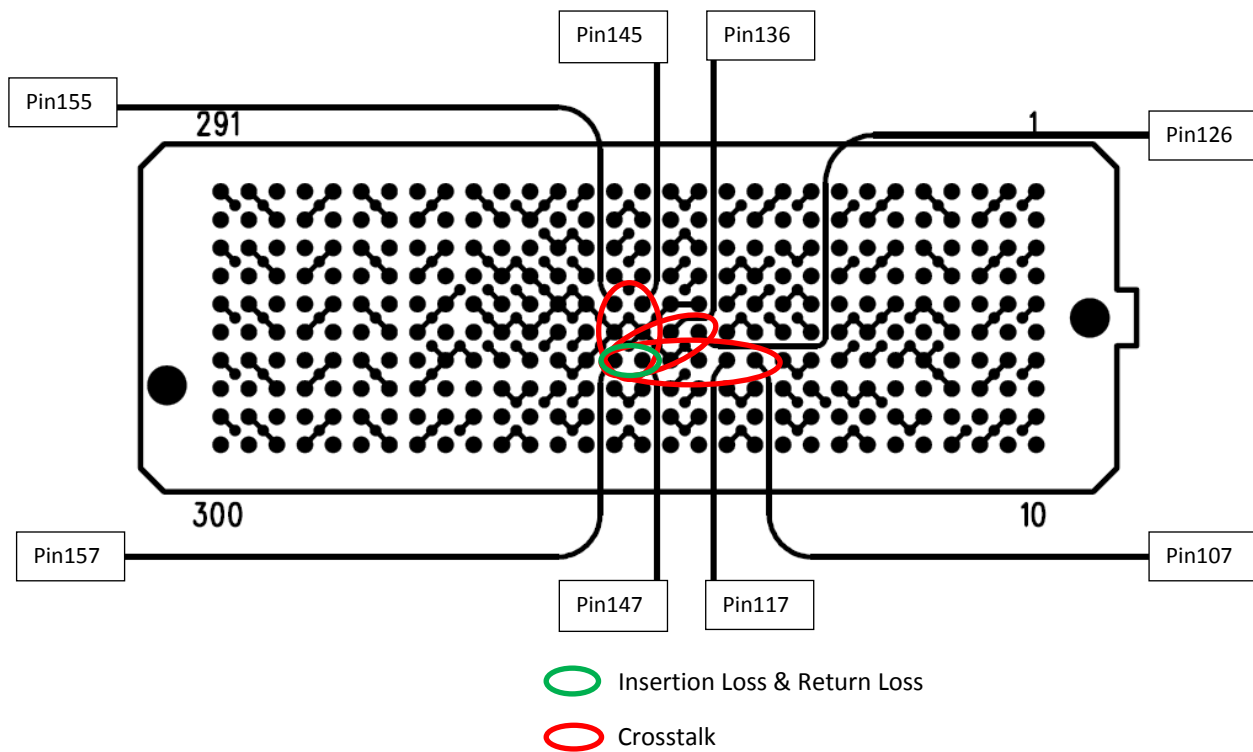


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Table 3 - Differential Optimal Horizontal Performance			
Test Parameter	Driver	Receiver	
Insertion Loss	SEAM_147,157	SEAF_147,157	-3dB@ 12.8 GHz
Return Loss	SEAM_147,157	SEAM_147,157	-6.3dB@ 12.8 GHz
Near-End Crosstalk	SEAM_147,157	SEAM_107,117	-31.1dB@ 12.8 GHz
	SEAM_147,157	SEAM_126,136	-43.2dB@ 12.8 GHz
	SEAM_147,157	SEAM_145,155	-55.8dB@ 12.8 GHz
Far-End Crosstalk	SEAM_147,157	SEAF_107,117	-30dB@ 12.8 GHz
	SEAM_147,157	SEAF_126,136	-41.9dB@ 12.8 GHz
	SEAM_147,157	SEAF_145,155	-53.3dB@ 12.8 GHz

### Differential Optimal Horizontal Pin Map

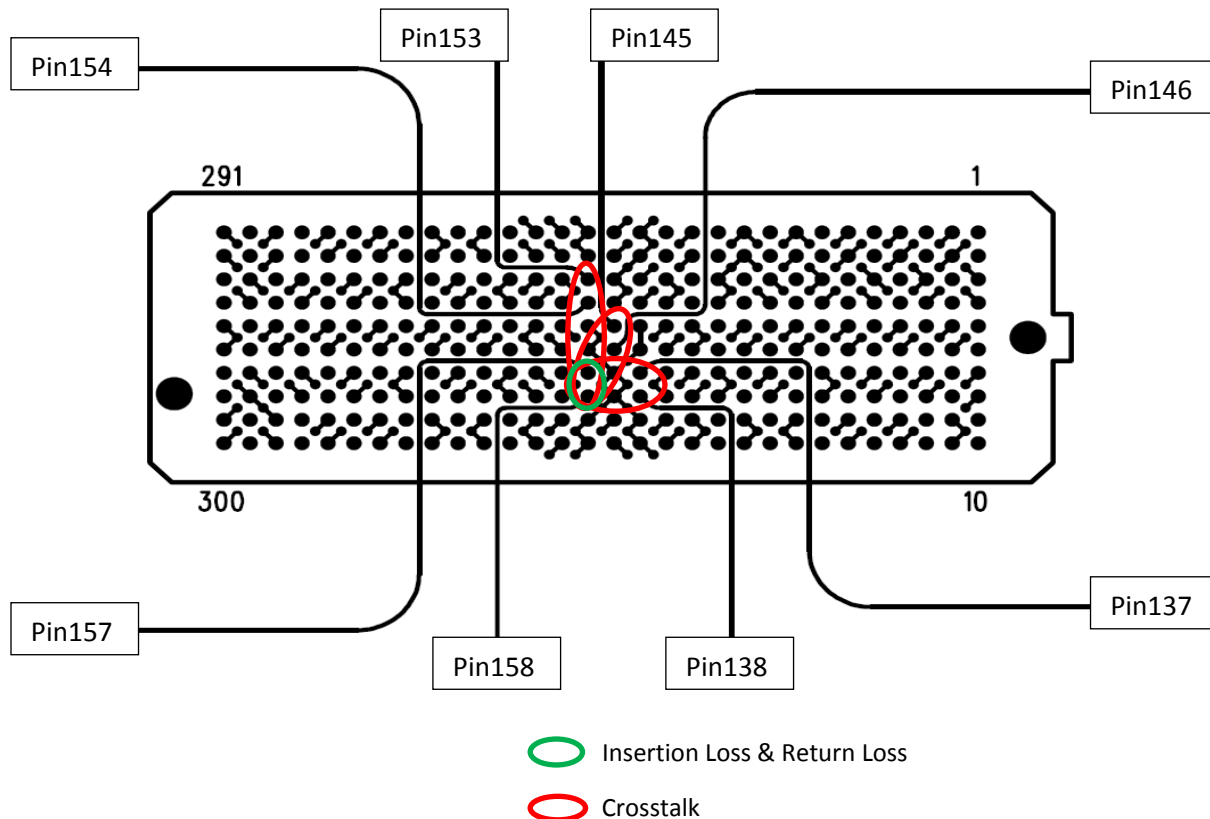


**Series:** SEAM/SEAF

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

Table 4 - Differential Optimal Vertical Performance			
Test Parameter	Driver	Receiver	
Insertion Loss	SEAM_157,158	SEAF_157,158	-3dB@ 12.8 GHz
Return Loss	SEAM_157,158	SEAM_157,158	-6.5dB@ 12.8 GHz
Near-End Crosstalk	SEAM_157,158	SEAM_137,138	-40.5dB@ 12.8 GHz
	SEAM_157,158	SEAM_145,146	-42.6dB@ 12.8 GHz
	SEAM_157,158	SEAM_153,154	-29.7dB@ 12.8 GHz
Far-End Crosstalk	SEAM_157,158	SEAF_137,138	-34.8dB@ 12.8 GHz
	SEAM_157,158	SEAF_145,146	-41.7dB@ 12.8 GHz
	SEAM_157,158	SEAF_153,154	-29.5dB@ 12.8 GHz

### Differential Optimal Vertical Pin Map

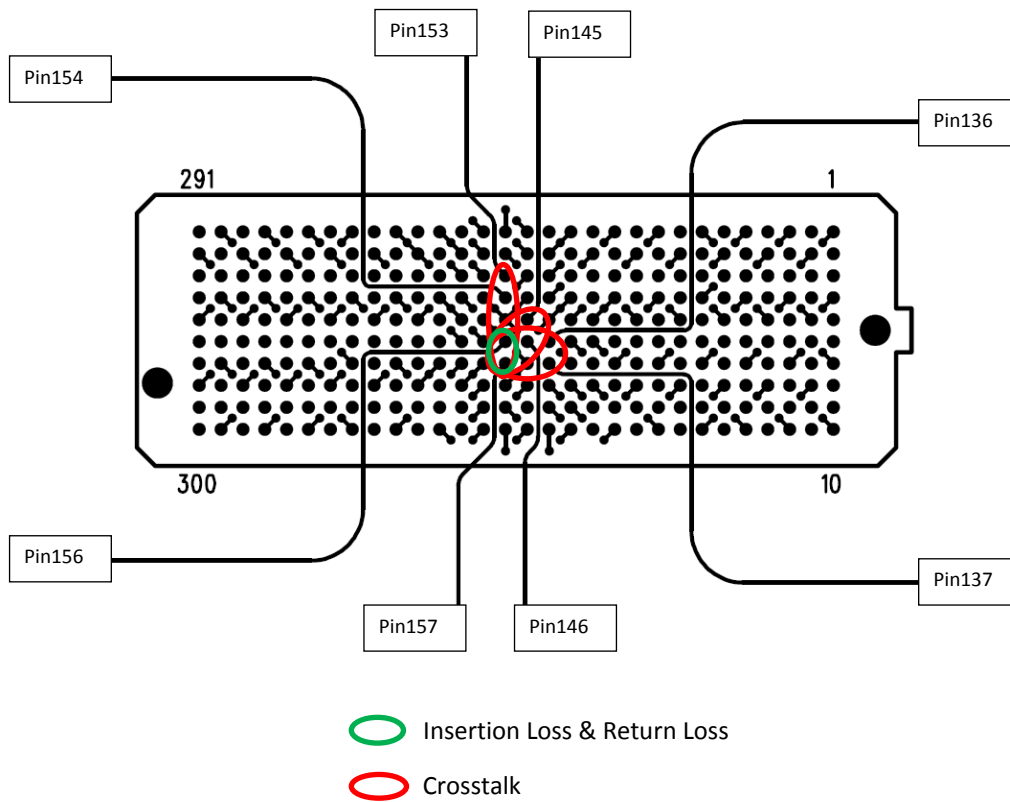


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Table 5 - Differential High Density Vertical Performance			
Test Parameter	Driver	Receiver	
Insertion Loss	SEAM_156,157	SEAF_156,157	-3dB@ 12.2 GHz
Return Loss	SEAM_156,157	SEAM_156,157	-7.6dB@ 12.2 GHz
Near-End Crosstalk	SEAM_156,157	SEAM_136,137	-35.9dB@ 12.2 GHz
	SEAM_156,157	SEAM_145,146	-38.6dB@ 12.2 GHz
	SEAM_156,157	SEAM_153,154	-31.2dB@ 12.2 GHz
Far-End Crosstalk	SEAM_156,157	SEAF_136,137	-36.8dB@ 12.2 GHz
	SEAM_156,157	SEAF_145,146	-30.3dB@ 12.2 GHz
	SEAM_156,157	SEAF_153,154	-31.1dB@ 12.2 GHz

### Differential High Density Vertical Pin Map



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

SEAM/SEAF Array Series

