

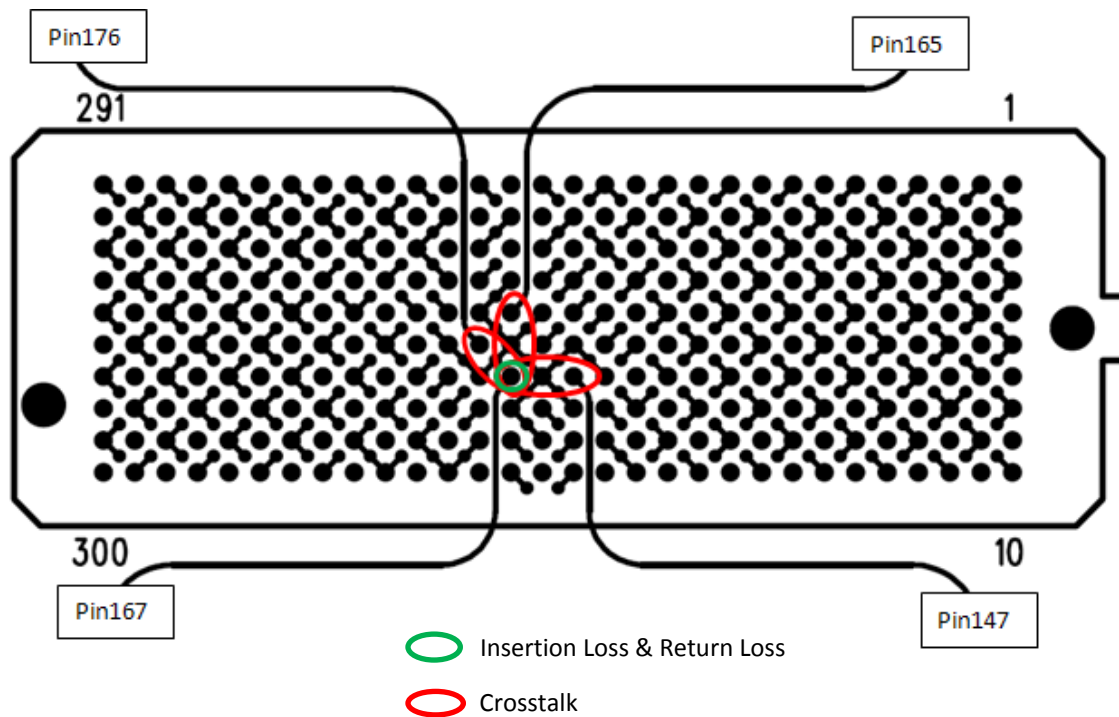
**Series:** SEAM/SEAF

**Description:** Open Pin Field Array, 1.27mm x 1.27mm Pitch, 10mm 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@ 17.6 GHz
Return Loss	SEAM_167	SEAM_167	-10.0dB@ 17.6 GHz
Near-End Crosstalk	SEAM_167	SEAM_147	-22.2dB@ 17.6 GHz
	SEAM_167	SEAM_165	-31.2dB@ 17.6 GHz
	SEAM_167	SEAM_176	-19.0dB@ 17.6 GHz
Far-End Crosstalk	SEAM_167	SEAF_147	-24.3dB@ 17.6 GHz
	SEAM_167	SEAF_165	-26.9dB@ 17.6 GHz
	SEAM_167	SEAF_176	-22.9dB@ 17.6 GHz

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

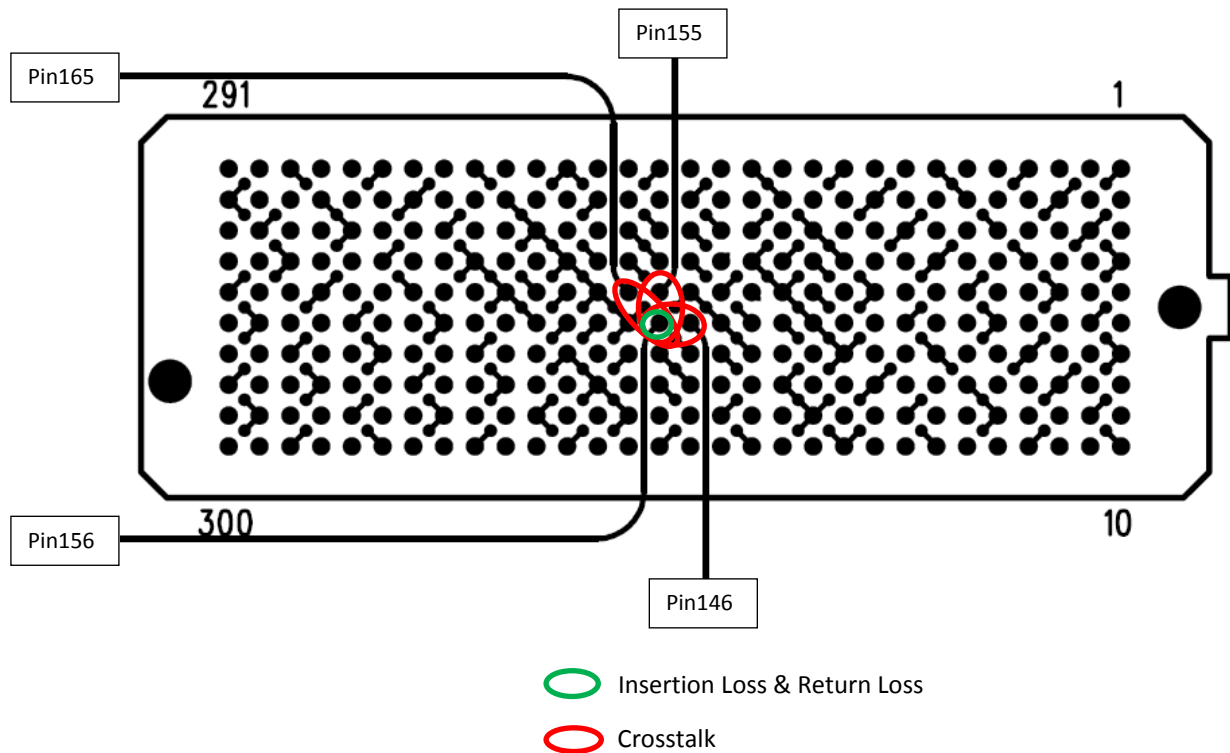


**Series:** SEAM/SEAF

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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@ 16.6 GHz
Return Loss	SEAM_156	SEAM_156	-9.6dB@ 16.6 GHz
Near-End Crosstalk	SEAM_156	SEAM_146	-12.4dB@ 16.6 GHz
	SEAM_156	SEAM_155	-18.3dB@ 16.6 GHz
	SEAM_156	SEAM_165	-28.6dB@ 16.6 GHz
Far-End Crosstalk	SEAM_156	SEAF_146	-17.3dB@ 16.6 GHz
	SEAM_156	SEAF_155	-18.4dB@ 16.6 GHz
	SEAM_156	SEAF_165	-30.6dB@ 16.6 GHz

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

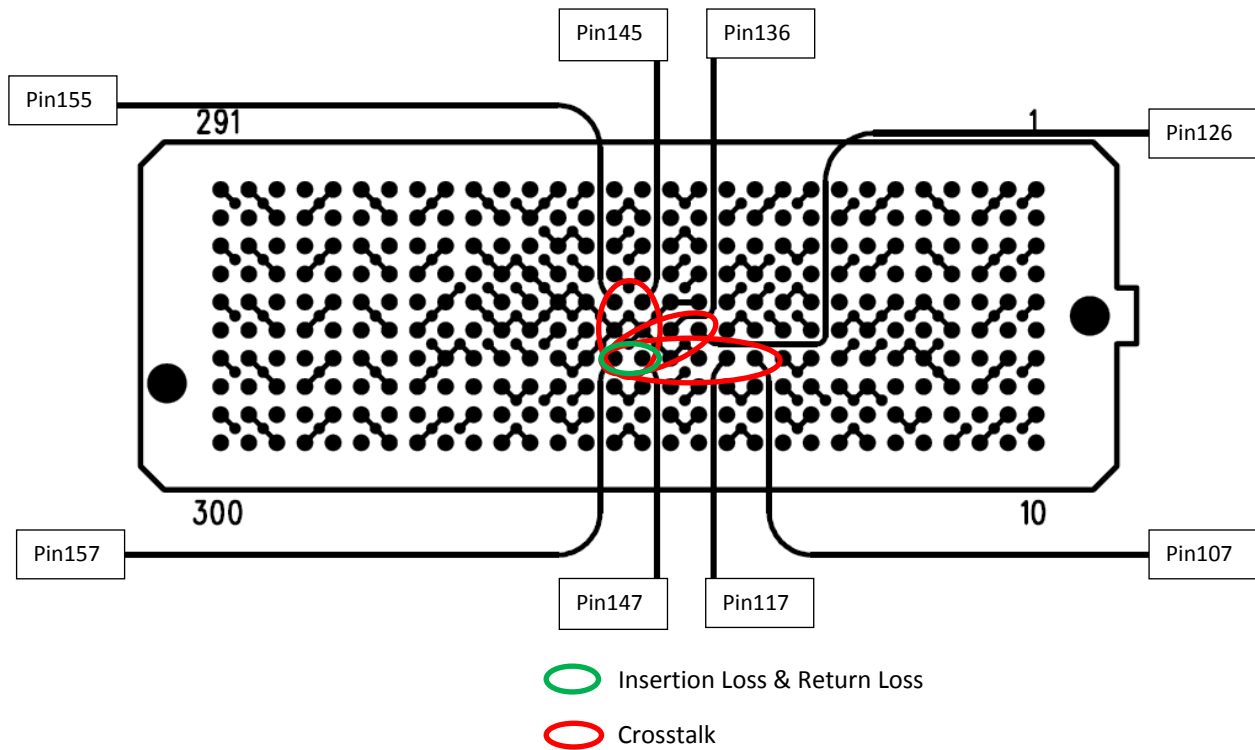


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Table 3 - Differential Optimal Horizontal Performance			
Test Parameter	Driver	Receiver	
Insertion Loss	SEAM_147,157	SEAF_147,157	-3dB@ 17.6 GHz
Return Loss	SEAM_147,157	SEAM_147,157	-9.1dB@ 17.6 GHz
Near-End Crosstalk	SEAM_147,157	SEAM_107,117	-27.5dB@ 17.6 GHz
	SEAM_147,157	SEAM_126,136	-19.8dB@ 17.6 GHz
	SEAM_147,157	SEAM_145,155	-26.4dB@ 17.6 GHz
Far-End Crosstalk	SEAM_147,157	SEAF_107,117	-27.4dB@ 17.6 GHz
	SEAM_147,157	SEAF_126,136	-21dB@ 17.6 GHz
	SEAM_147,157	SEAF_145,155	-25.0dB@ 17.6 GHz

### Differential Optimal Horizontal Pin Map

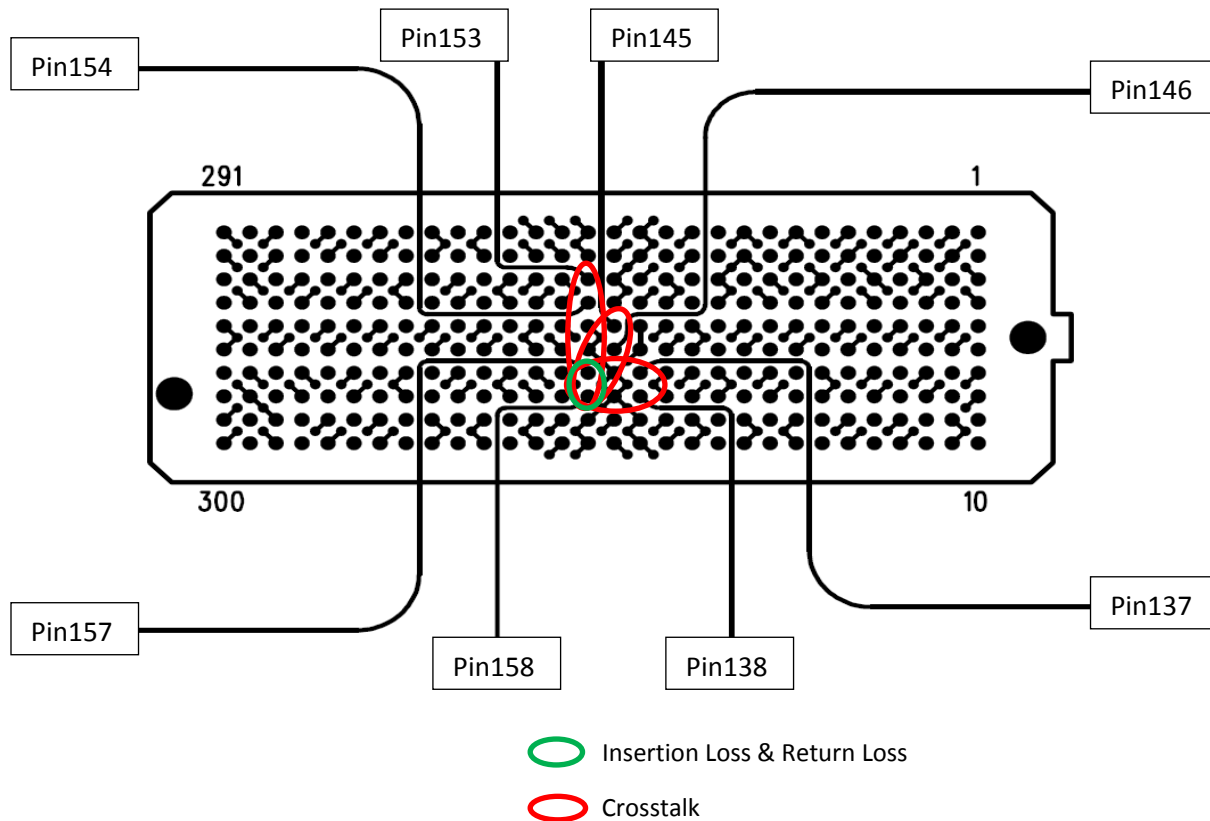


**Series:** SEAM/SEAF

**Description:** Open Pin Field Array, 1.27mm x 1.27mm Pitch, 10mm Stack Height

Table 4 - Differential Optimal Vertical Performance			
Test Parameter	Driver	Receiver	
Insertion Loss	SEAM_157,158	SEAF_157,158	-3dB@ 17.2 GHz
Return Loss	SEAM_157,158	SEAM_157,158	-11.2dB@ 17.2 GHz
Near-End Crosstalk	SEAM_157,158	SEAM_137,138	-32.6dB@ 17.2 GHz
	SEAM_157,158	SEAM_145,146	-33.6dB@ 17.2 GHz
	SEAM_157,158	SEAM_153,154	-28.1dB@ 17.2 GHz
Far-End Crosstalk	SEAM_157,158	SEAF_137,138	-36.6dB@ 17.2 GHz
	SEAM_157,158	SEAF_145,146	-42.4dB@ 17.2 GHz
	SEAM_157,158	SEAF_153,154	-25.4dB@ 17.2 GHz

### Differential Optimal Vertical Pin Map

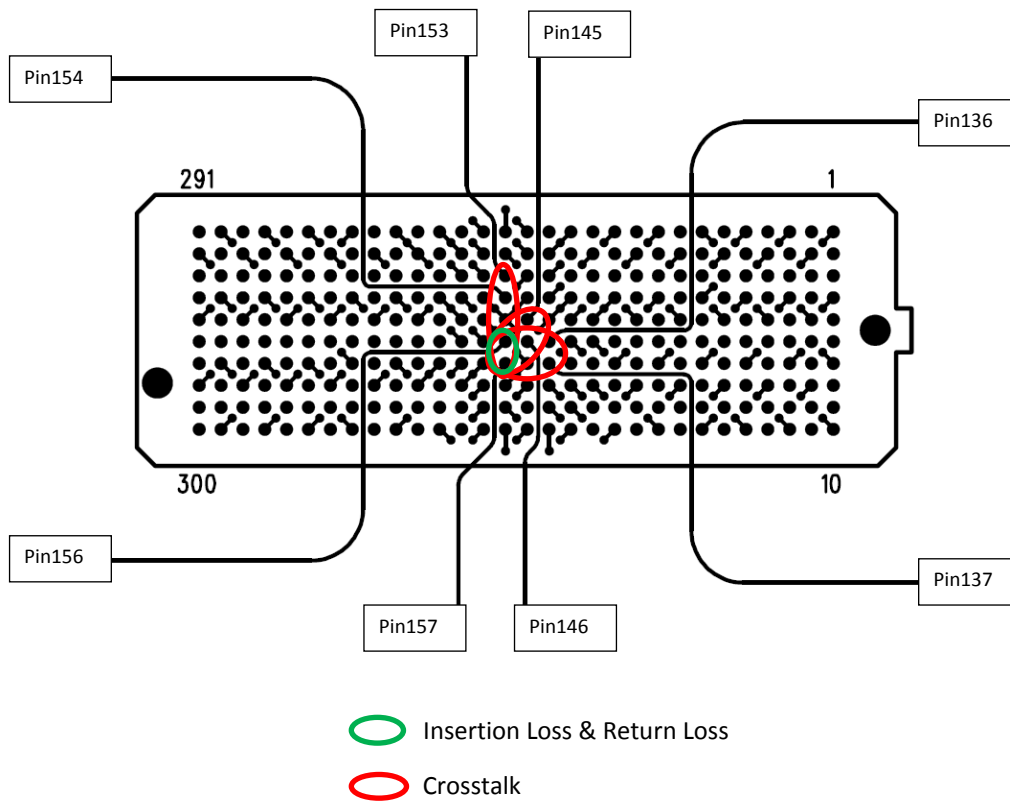


**Series:** SEAM/SEAF

**Description:** Open Pin Field Array, 1.27mm x 1.27mm Pitch, 10mm Stack Height

Table 5 - Differential High Density Vertical Performance			
Test Parameter	Driver	Receiver	
Insertion Loss	SEAM_156,157	SEAF_156,157	-3dB@ 16.9 GHz
Return Loss	SEAM_156,157	SEAM_156,157	-11.4dB@ 16.9 GHz
Near-End Crosstalk	SEAM_156,157	SEAM_136,137	-32.7dB@ 16.9 GHz
	SEAM_156,157	SEAM_145,146	-21.6dB@ 16.9 GHz
	SEAM_156,157	SEAM_153,154	-39.2dB@ 16.9 GHz
Far-End Crosstalk	SEAM_156,157	SEAF_136,137	-35.0dB@ 16.9 GHz
	SEAM_156,157	SEAF_145,146	-53.6dB@ 16.9 GHz
	SEAM_156,157	SEAF_153,154	-35.1dB@ 16.9 GHz

### Differential High Density Vertical Pin Map



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

SEAM/SEAF Array Series

