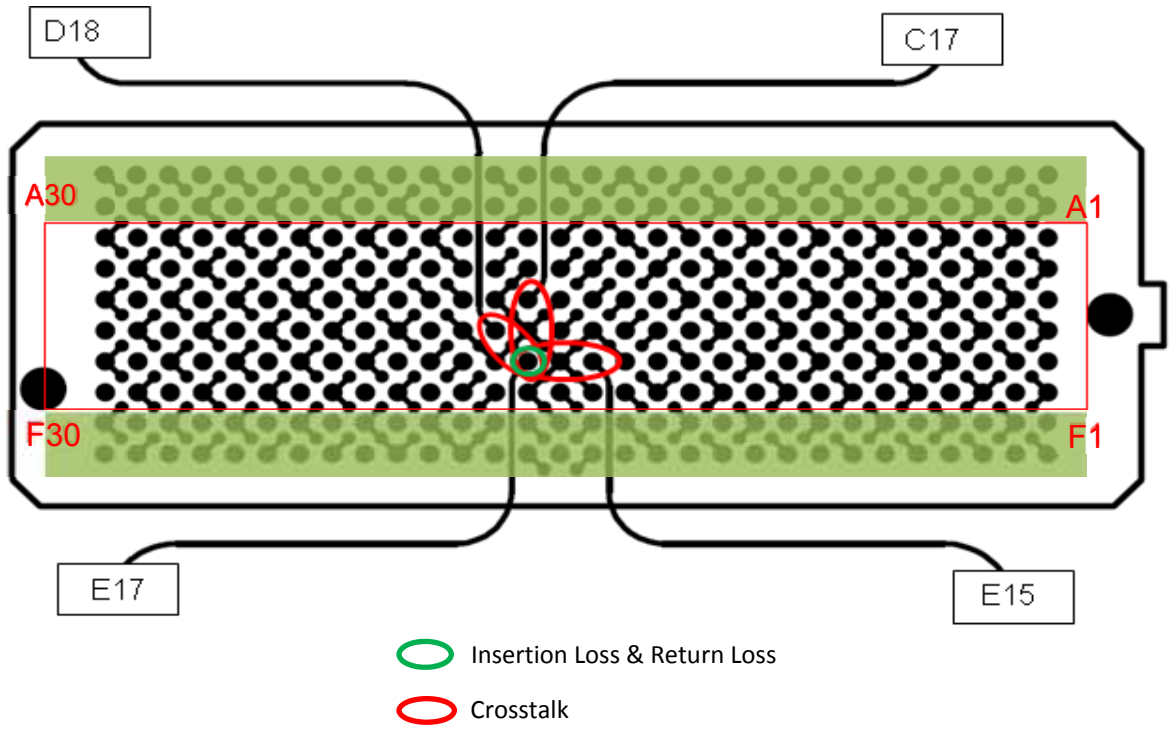
Series: LPAM/LPAF
Description: Low Profile, Open Pin Field Array, 1.27mm x 1.27mm Pitch, 5mm Stack Height

Frequency Domain Data Summary

Table 1 - Single-Ended 1:1 S/G Pattern Performance			
Test Parameter	**Driver**	**Receiver**	
Insertion Loss	LPAM_E17	LPAF_E17	<-3dB to 20 GHz
Return Loss	LPAM_E17	LPAM_E17	>10dB to 11 GHz
Near-End Crosstalk	LPAM_E17	LPAM_C17	<-20dB to 20 GHz
	LPAM_E17	LPAM_D18	<-20dB to 20 GHz
	LPAM_E17	LPAM_E15	<-20dB to 20 GHz
Far-End Crosstalk	LPAM_E17	LPAF_C17	<-20dB to 20 GHz
	LPAM_E17	LPAF_D18	<-20dB to 20 GHz
	LPAM_E17	LPAF_E15	<-20dB to 20 GHz

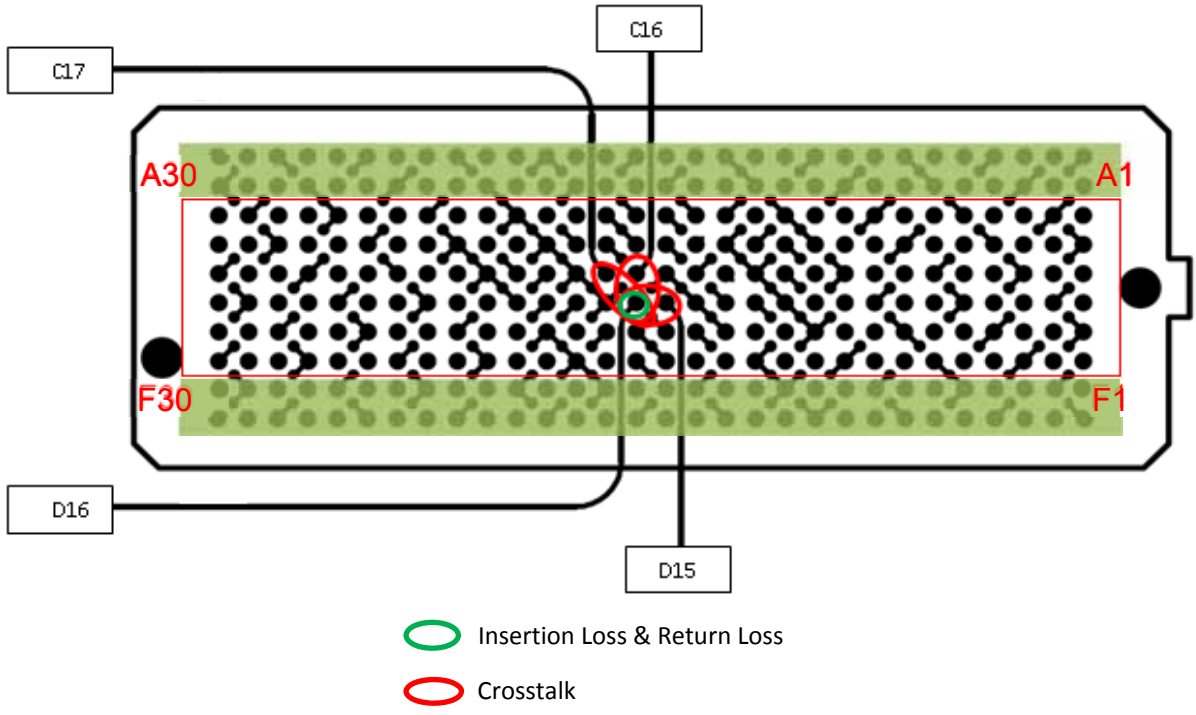
Single-Ended 1:1 S/G Pattern Pin Map



Series: LPAM/LPAF
Description: Low Profile, Open Pin Field Array, 1.27mm x 1.27mm Pitch, 5mm Stack Height

Table 2 - Single-Ended 2:1 S/G Pattern Performance			
Test Parameter	**Driver**	**Receiver**	
Insertion Loss	LPAM_D16	LPAF_D16	-3dB @ 17.3 GHz
Return Loss	LPAM_D16	LPAM_D16	>10dB to 10.6 GHz
Near-End Crosstalk	LPAM_D16	LPAM_C16	<-20dB to 2.8 GHz
	LPAM_D16	LPAM_C17	<-20dB to 3.8 GHz
	LPAM_D16	LPAM_D15	<-20dB to 20 GHz
Far-End Crosstalk	LPAM_D16	LPAF_C16	<-20dB to 8.1 GHz
	LPAM_D16	LPAF_C17	<-20dB to 10.2 GHz
	LPAM_D16	LPAF_D15	<-20dB to 20 GHz

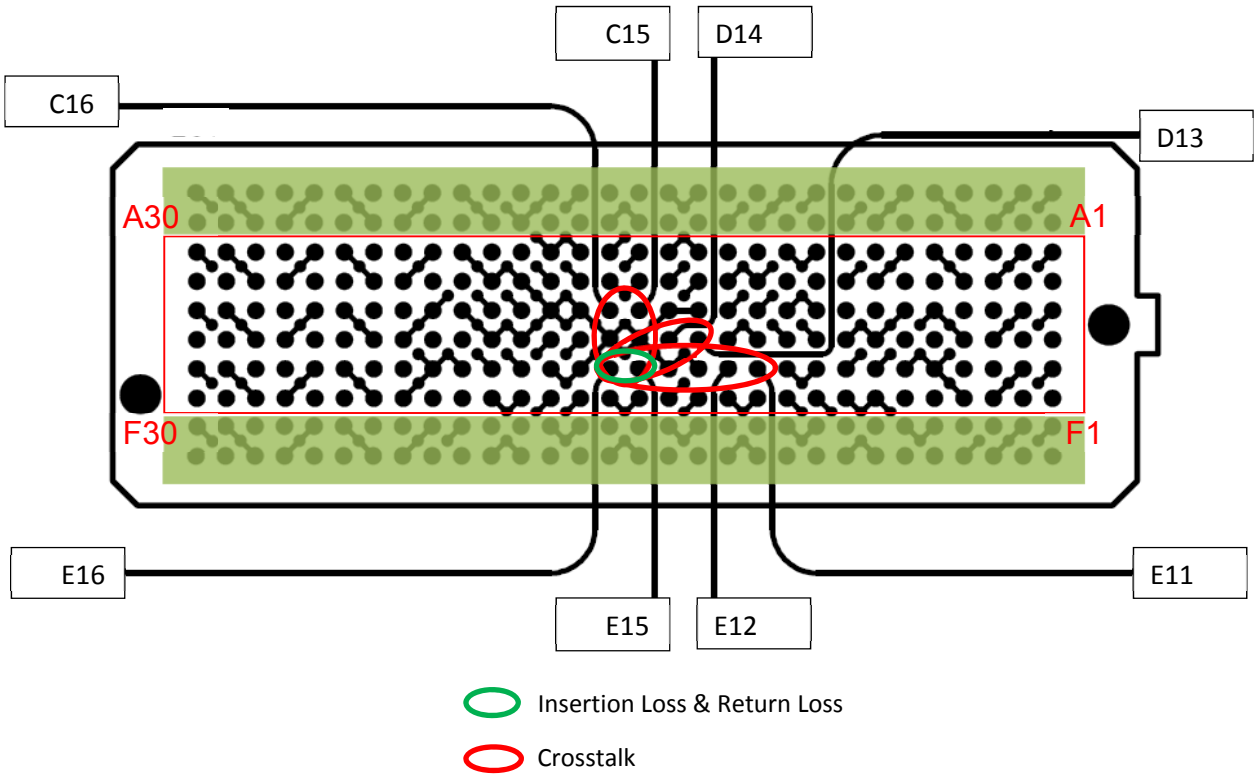
Single-Ended 2:1 S/G Pattern Pin Map



Series: LPAM/LPAF
Description: Low Profile, Open Pin Field Array, 1.27mm x 1.27mm Pitch, 5mm Stack Height

Table 3 - Differential Optimal Horizontal Performance			
Test Parameter	**Driver**	**Receiver**	
Insertion Loss	LPAM_E15,E16	LPAF_E15,E16	-3dB @ 20 GHz
Return Loss	LPAM_E15,E16	LPAM_E15,E16	>10dB to 13.6 GHz
Near-End Crosstalk	LPAM_E15,E16	LPAM_C15,C16	<-20dB to 20 GHz
	LPAM_E15,E16	LPAM_D13,D14	<-20dB to 20 GHz
	LPAM_E15,E16	LPAM_E11,E12	<-20dB to 20 GHz
Far-End Crosstalk	LPAM_E15,E16	LPAF_C15,C16	<-20dB to 20 GHz
	LPAM_E15,E16	LPAF_D13,D14	<-20dB to 20 GHz
	LPAM_E15,E16	LPAF_E11,E12	<-20dB to 20 GHz

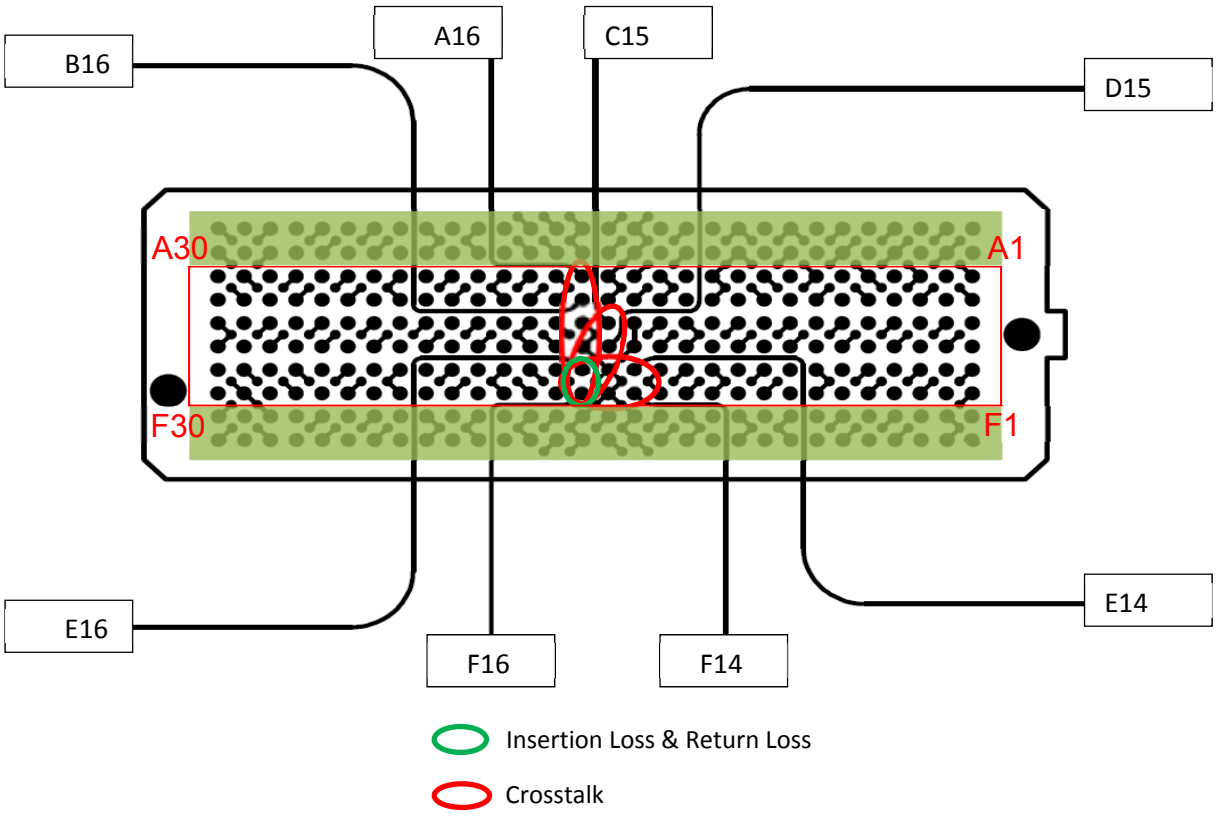
Differential Optimal Horizontal Pin Map



Series: LPAM/LPAF
Description: Low Profile, Open Pin Field Array, 1.27mm x 1.27mm Pitch, 5mm Stack Height

Table 4 - Differential Optimal Vertical Performance			
Test Parameter	**Driver**	**Receiver**	
Insertion Loss	LPAM_E16,F16	LPAF_E16,F16	-3dB @ 16.2 GHz
Return Loss	LPAM_E16,F16	LPAM_E16,F16	>10dB to 14.8 GHz
Near-End Crosstalk	LPAM_E16,F16	LPAM_A16,B16	<-20dB to 20 GHz
	LPAM_E16,F16	LPAM_C15,D15	<-20dB to 20 GHz
	LPAM_E16,F16	LPAM_E14,F14	<-20dB to 20 GHz
Far-End Crosstalk	LPAM_E16,F16	LPAF_A16,B16	<-20dB to 20 GHz
	LPAM_E16,F16	LPAF_C15,D15	<-20dB to 20 GHz
	LPAM_E16,F16	LPAF_E14,F14	<-20dB to 20 GHz

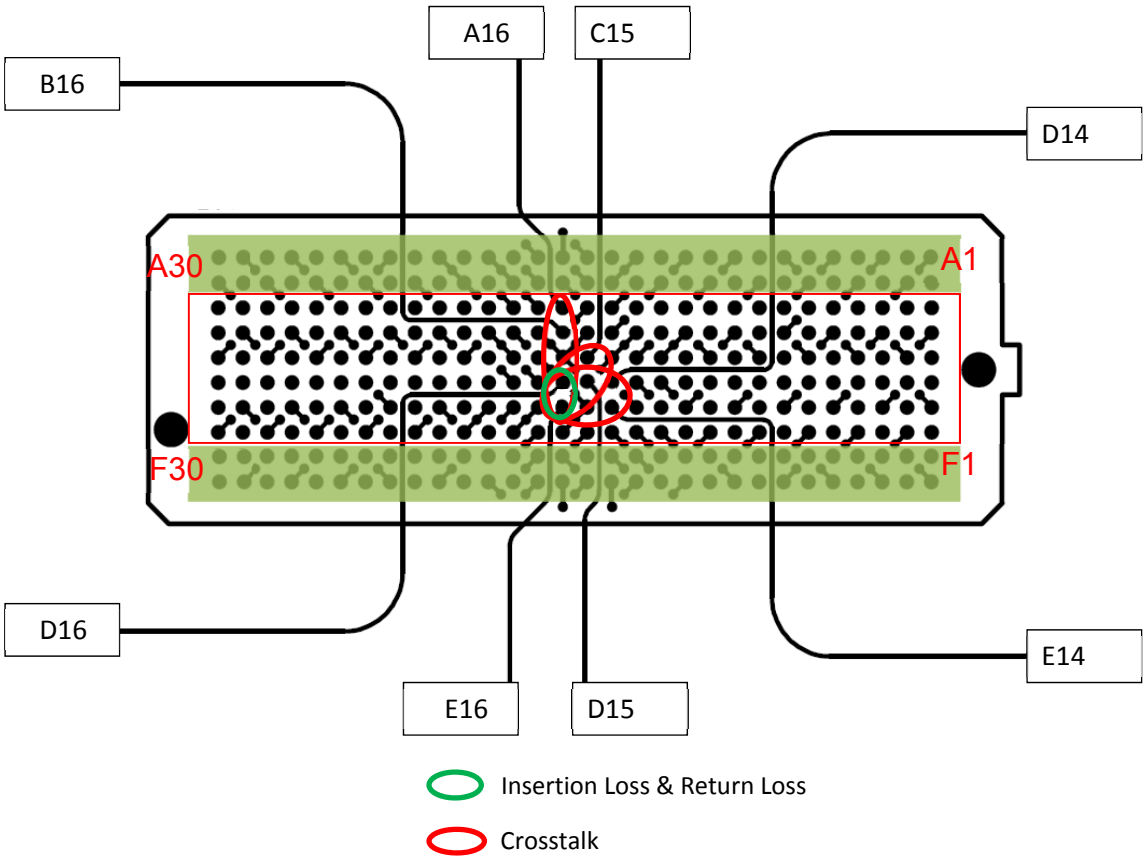
Differential Optimal Vertical Pin Map



Series: LPAM/LPAF
Description: Low Profile, Open Pin Field Array, 1.27mm x 1.27mm Pitch, 5mm Stack Height

Table 5 - Differential High Density Vertical Performance			
Test Parameter	**Driver**	**Receiver**	
Insertion Loss	LPAM_D16,E16	LPAF_D16,E16	-3dB @ 15.4 GHz
Return Loss	LPAM_D16,E16	LPAM_D16,E16	>10dB to 13 GHz
Near-End Crosstalk	LPAM_D16,E16	LPAM_A16,B16	<-20dB to 20 GHz
	LPAM_D16,E16	LPAM_C15,D15	<-20dB to 20 GHz
	LPAM_D16,E16	LPAM_D14,E14	<-20dB to 20 GHz
Far-End Crosstalk	LPAM_D16,E16	LPAF_A16,B16	<-20dB to 20 GHz
	LPAM_D16,E16	LPAF_C15,D15	<-20dB to 20 GHz
	LPAM_D16,E16	LPAF_D14,E14	<-20dB to 20 GHz

Differential High Density Vertical Pin Map



Series: LPAM/LPAF
Description: Low Profile, Open Pin Field Array, 1.27mm x 1.27mm Pitch, 5mm Stack Height

Bandwidth Charts – Single-Ended & Differential Insertion Loss

LPAM/LPAF Array Series