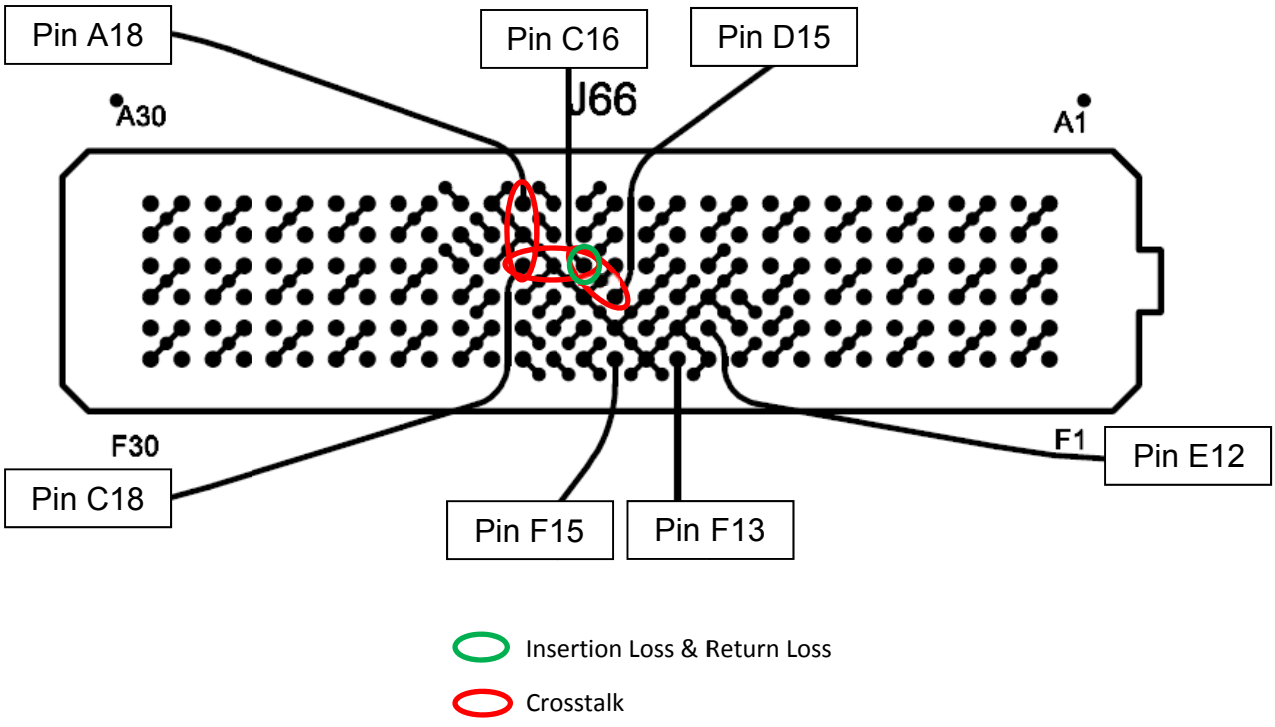
Series: SEAFP/SEAM Array Series
Description: 1.27mm x 1.27mm grid interconnect system, 16 mm Stack Height

Frequency Domain Data Summary

Table 1 - Single-Ended 1:1 S/G Pattern Performance			
Test Parameter	**Driver**	**Receiver**	
Insertion Loss	SEAM_C16	SEAFP_C16	3dB@ 12 GHz
Return Loss	SEAM_C16	SEAM_C16	>10dB to 4.4 GHz
Near-End Crosstalk	SEAM_A18	SEAM_C18	<-20dB to 20 GHz
	SEAM_C16	SEAM_C18	<-20dB to 20 GHz
	SEAM_C16	SEAM_D15	<-20dB to 20 GHz
Far-End Crosstalk	SEAM_A18	SEAFP_C18	<-20dB to 20 GHz
	SEAM_C16	SEAFP_C18	<-20dB to 19.3 GHz
	SEAM_C16	SEAFP_D15	<-20dB to 20 GHz

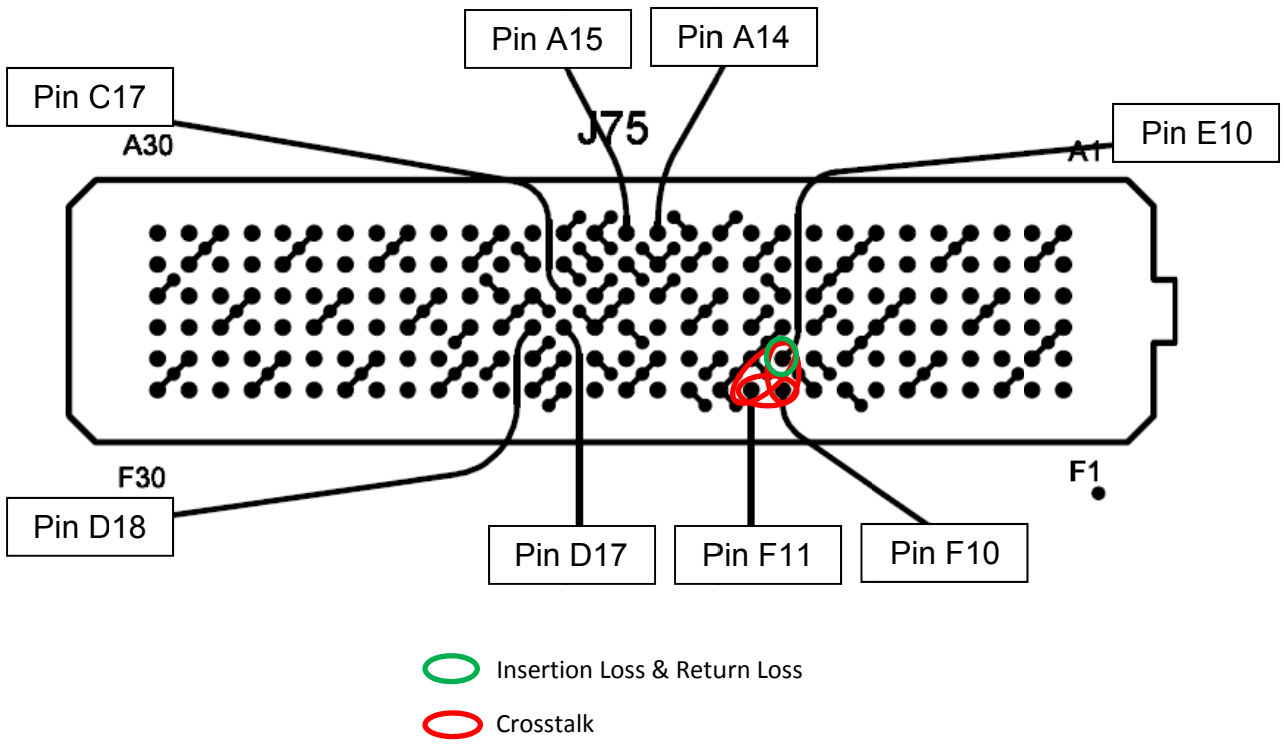
Single-Ended 1:1 S/G Pattern Pin Map



Series: SEAFP/SEAM Array Series
Description: 1.27mm x 1.27mm grid interconnect system, 16 mm Stack Height

Table 2 - Single-Ended 2:1 S/G Pattern Performance			
Test Parameter	**Driver**	**Receiver**	
Insertion Loss	SEAM_E10	SEAFP_E10	3dB@ 12 GHz
Return Loss	SEAM_E10	SEAM_E10	>10dB to 4.3 GHz
Near-End Crosstalk	SEAM_E10	SEAM_F10	<-20dB to 1.2 GHz
	SEAM_E10	SEAM_F11	<-20dB to 14.7 GHz
	SEAM_F10	SEAM_F11	<-20dB to 0.5GHz
Far-End Crosstalk	SEAM_E10	SEAFP_F10	<-20dB to 20 GHz
	SEAM_E10	SEAFP_F11	<-20dB to 20 GHz
	SEAM_F10	SEAFP_F11	<-20dB to 7.6 GHz

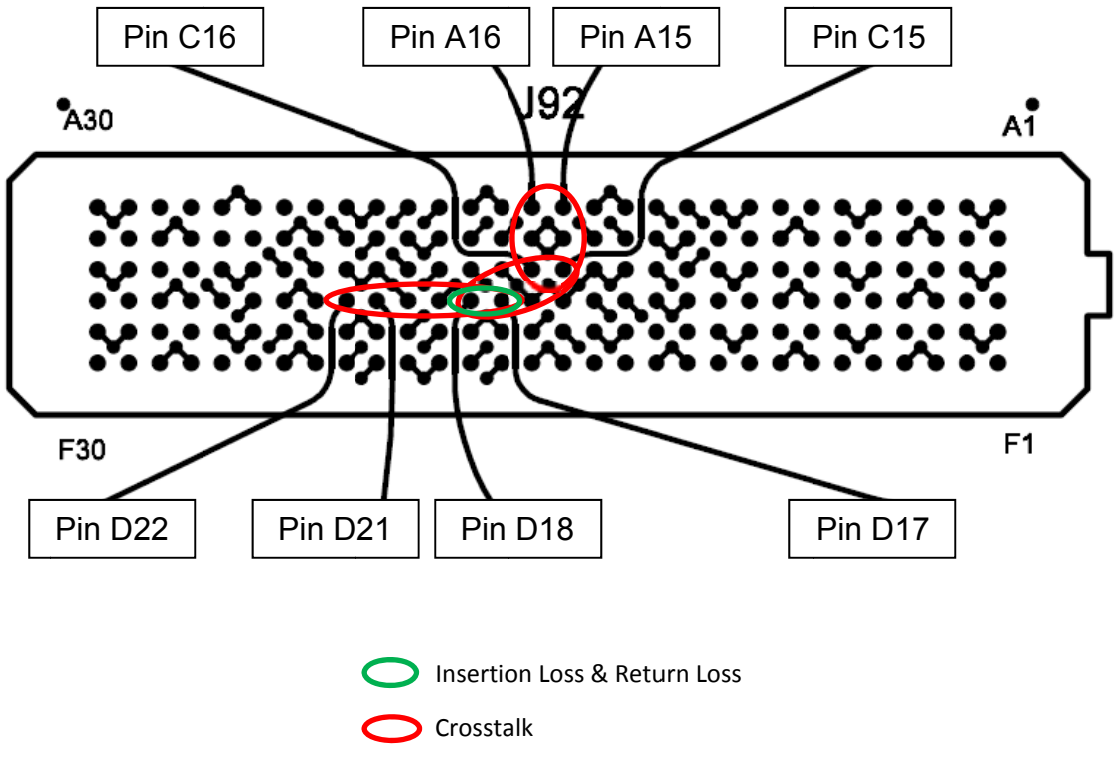
Single-Ended 2:1 S/G Pattern Pin Map



Series: SEAFP/SEAM Array Series
Description: 1.27mm x 1.27mm grid interconnect system, 16 mm Stack Height

Table 3 - Differential Optimal Horizontal Performance			
Test Parameter	**Driver**	**Receiver**	
Insertion Loss	SEAM_D17,D18	SEAFP_D17,D18	3dB@ 11.9 GHz
Return Loss	SEAM_D17,D18	SEAM_D17,D18	>10dB to 4.8 GHz
Near-End Crosstalk	SEAM_A15,A16	SEAM_C15,C16	<-20dB to 20.0 GHz
	SEAM_C15,C16	SEAM_D17,D18	<-20dB to 20.0 GHz
	SEAM_D17,D18	SEAM_D21,D22	<-20dB to 20.0 GHz
Far-End Crosstalk	SEAM_A15,A16	SEAFP_C15,C16	<-20dB to 20.0 GHz
	SEAM_C15,C16	SEAFP_D17,D18	<-20dB to 20.0 GHz
	SEAM_D17,D18	SEAFP_D21,D22	<-20dB to 20.0 GHz

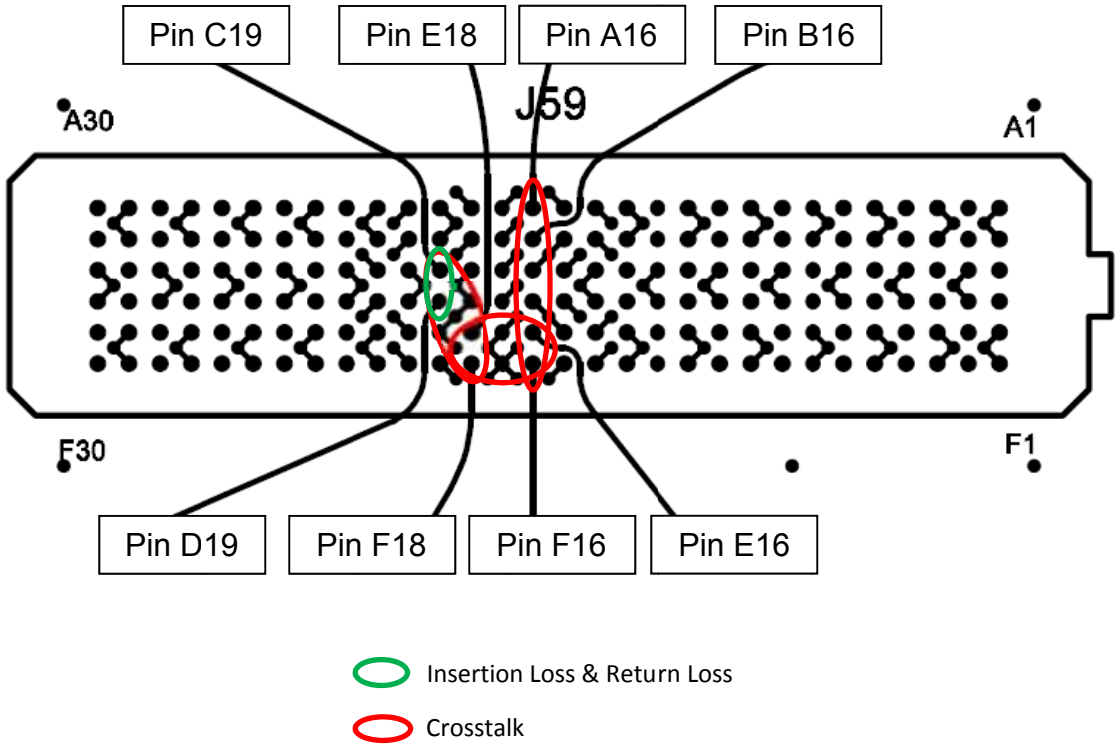
Differential Optimal Horizontal Pin Map



Series: SEAFP/SEAM Array Series
Description: 1.27mm x 1.27mm grid interconnect system, 16 mm Stack Height

Table 4 - Differential Optimal Vertical Performance			
Test Parameter	**Driver**	**Receiver**	
Insertion Loss	SEAM_C19,D19	SEAFP_C19,D19	3dB@ 11.7 GHz
Return Loss	SEAM_C19,D19	SEAM_C19,D19	>10dB to 4.6 GHz
Near-End Crosstalk	SEAM_A16,B16	SEAM_E16,F16	<-20dB to 20.0 GHz
	SEAM_C19,D19	SEAM_E18,F18	<-20dB to 20.0 GHz
	SEAM_E16,F16	SEAM_E18,F18	<-20dB to 20.0 GHz
Far-End Crosstalk	SEAM_A16,B16	SEAFP_E16,F16	<-20dB to 20.0 GHz
	SEAM_C19,D19	SEAFP_E18,F18	<-20dB to 20.0 GHz
	SEAM_E16,F16	SEAFP_E18,F18	<-20dB to 19.7GHz

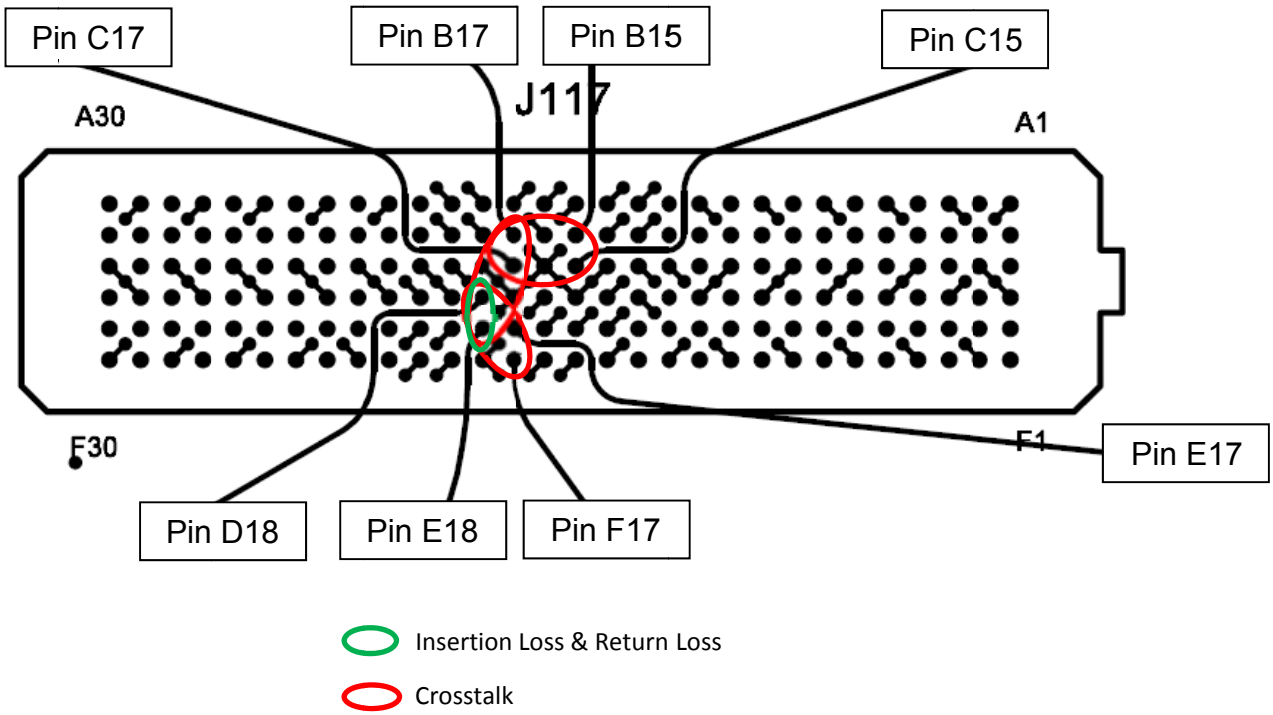
Differential Optimal Vertical Pin Map



Series: SEAFP/SEAM Array Series
Description: 1.27mm x 1.27mm grid interconnect system, 16 mm Stack Height

Table 5 - Differential High Density Vertical Performance			
Test Parameter	**Driver**	**Receiver**	
Insertion Loss	SEAM_D18,E18	SEAFP_D18,E18	3dB@ 12 GHz
Return Loss	SEAM_D18,E18	SEAM_D18,E18	>10dB to 4.6 GHz
Near-End Crosstalk	SEAM_B15,C15	SEAM_B17,C17	<-20dB to 20.0 GHz
	SEAM_B17,C17	SEAM_D18,E18	<-20dB to 20.0 GHz
	SEAM_D18,E18	SEAM_E17,F17	<-20dB to 16.3 GHz
Far-End Crosstalk	SEAM_B15,C15	SEAM_B17,C17	<-20dB to 20.0 GHz
	SEAM_B17,C17	SEAM_D18,E18	<-20dB to 20.0 GHz
	SEAM_D18,E18	SEAFP_E17,F17	<-20dB to 20.0 GHz

Differential High Density Vertical Pin Map



Series: SEAFP/SEAM Array Series
Description: 1.27mm x 1.27mm grid interconnect system, 16 mm Stack Height

Bandwidth Charts – Single-Ended & Differential Insertion Loss

SEAFP/SEAM Array Series