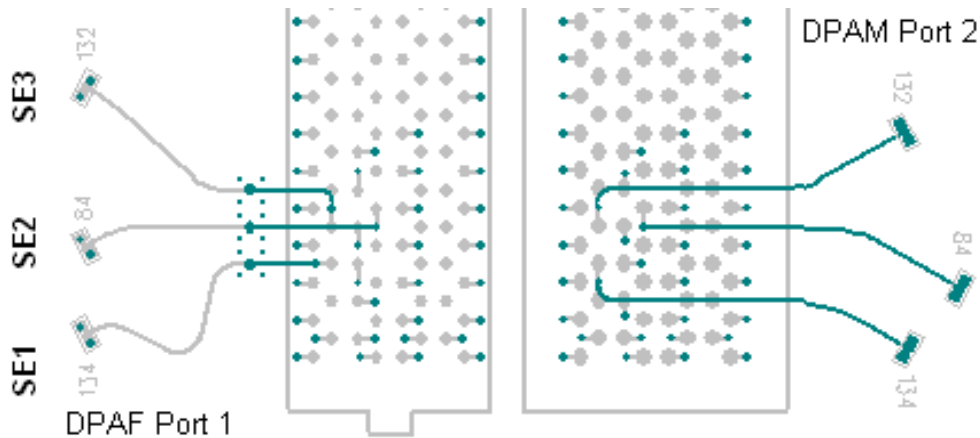


Series: DPAM/DPAF Array, 2.16mm x 2.54mm Differential Pair Interconnect
Description: Perimeter Contacts Common to PCB Ground, 10mm Stack Height

Frequency Domain Data Summary

Table 1 - Single-Ended Signaling Performance			
Test Parameter	Source	Victim	
Insertion Loss	port 1=DPAF_132; port 2=DPAM_132		-3dB @ 7.9 GHz
Return Loss	port1=DPAF_132; port2=DPAM_132		≤ -5dB to 7.9 GHz
Near-End Crosstalk	DPAF_134	DPAF_132	≤ -15dB to 7.9 GHz
	DPAF_84	DPAF_132	≤ -18dB to 7.9 GHz
Far-End Crosstalk	DPAF_134	DPAM_132	≤ -15dB to 7.9 GHz
	DPAF_84	DPAM_132	≤ -15dB to 7.9 GHz

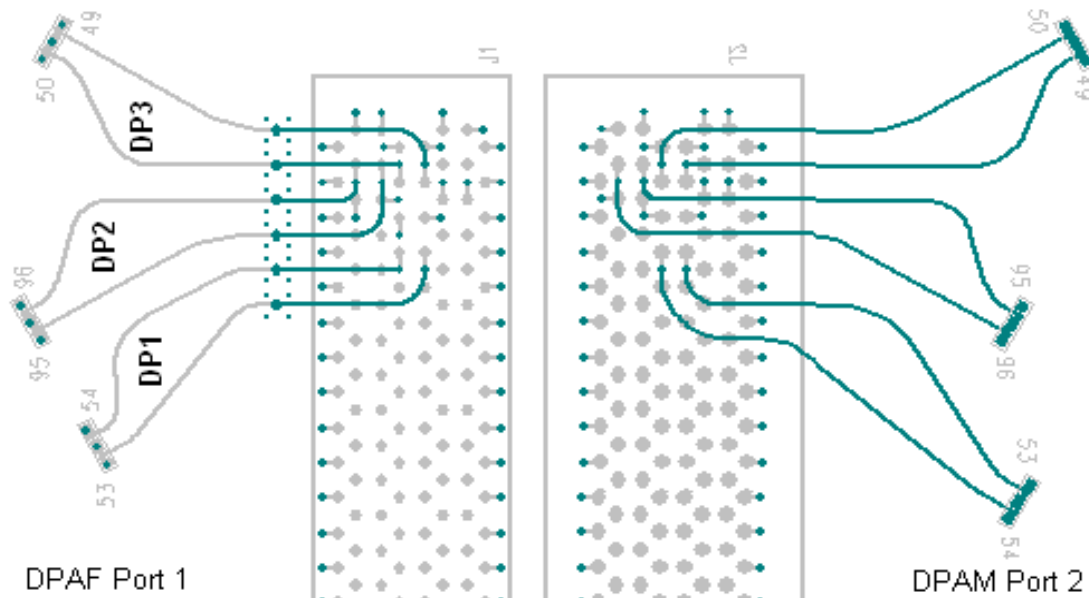
Pin Map (reference Appendix C for full description of test boards)



Series: DPAM/DPAF Array, 2.16mm x 2.54mm Differential Pair Interconnect
Description: Perimeter Contacts Common to PCB Ground, 10mm Stack Height

Table 2 – Optimal Differential Performance			
Test Parameter	Source	Victim	
Insertion Loss (path1)	port1=DPAF_95_96; port2=DPAM_95_96		-3dB @ 7.0 GHz
Insertion Loss (path2)	port1=DPAF_49_50; port2=DPAM_49_50		-3dB @ 6.8 GHz
Return Loss (path1)	port1=DPAF_95_96; port2=DPAM_95_96		≤ -5dB to 7.0GHz
Return Loss (path2)	port1=DPAF_49_50; port2=DPAM_49_50		≤ -5dB to 6.8 GHz
Near-End Crosstalk	DPAF_53_54	DPAF_49_50	≤ -40dB to 6.8 GHz
	DPAF_95_96	DPAF_49_50	≤ -25dB to 6.8 GHz
Far-End Crosstalk	DPAF_53_54	DPAM_49_50	≤ -38dB to 6.8 GHz
	DPAF_95_96	DPAM_49_50	≤ -30dB to 6.8 GHz

Pin Map (reference Appendix C for full description of test boards)

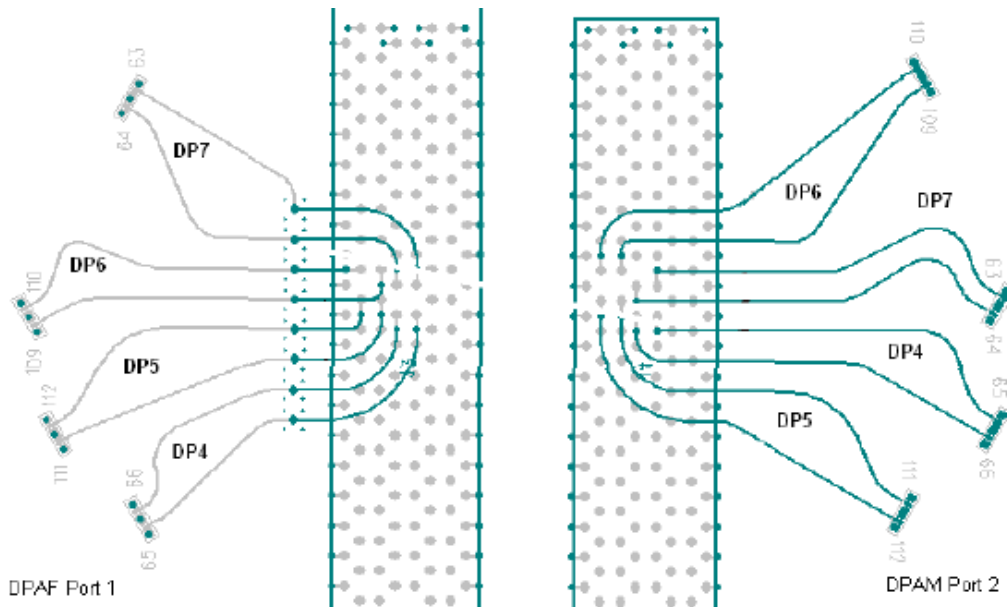


Series: DPAM/DPAF Array, 2.16mm x 2.54mm Differential Pair Interconnect
Description: Perimeter Contacts Common to PCB Ground, 10mm Stack Height

Table 3 – Standard Differential Performance

Test Parameter	Source	Victim	
Insertion Loss (path1)	port1=DPAF_95_96; port2=DPAM_95_96		-3dB @ 6.9 GHz
Insertion Loss (path2)	port1=DPAF_49_50; port2=DPAM_49_50		-3dB @ 6.8 GHz
Return Loss (path1)	port1=DPAF_95_96; port2=DPAM_95_96		≤ -5dB to 6.9GHz
Return Loss (path2)	port1=DPAF_49_50; port2=DPAM_49_50		≤ -5dB to 6.8 GHz
Near-End Crosstalk	DPAF_65_66	DPAF_63_64	≤ -15dB to 6.8 GHz
	DPAF_111_112	DPAF_63_64	≤ -25dB to 6.8 GHz
	DPAF_109_110	DPAF_63_64	≤ -22dB to 6.8 GHz
Far-End Crosstalk	DPAF_65_66	DPAM_63_64	≤ -15dB to 6.8 GHz
	DPAF_111_112	DPAM_63_64	≤ -22dB to 6.8 GHz
	DPAF_109_110	DPAM_63_64	≤ -25dB to 6.8 GHz

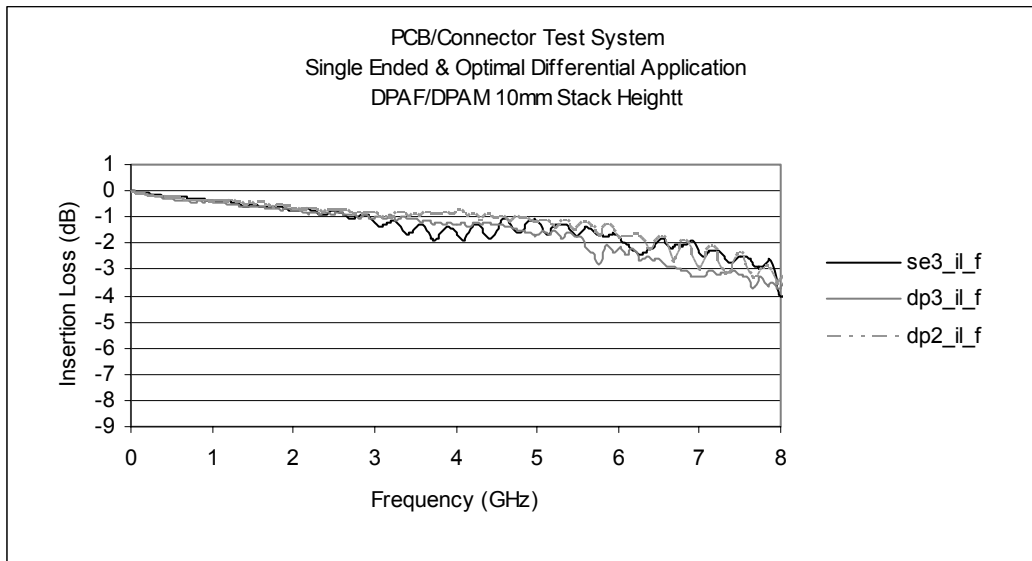
Pin Map (reference Appendix C for full description of test boards)



Series: DPAM/DPAF Array, 2.16mm x 2.54mm Differential Pair Interconnect
Description: Perimeter Contacts Common to PCB Ground, 10mm Stack Height

Bandwidth Charts – Single-Ended & Differential Insertion Loss

Single-Ended & Optimal Differential Pair



Single-Ended & Standard Differential Pair

