

**Series:** HDAM/HDAF Series (HDMezz)

**Description:** 1.2mm x 2mm grid interconnect system, high density array, 35mm Stack Height

## Time Domain Data Summary

Table 3 - Single-Ended Impedance ( $\Omega$ ) – Line B14 (SE1)							
Signal Risetime	35 $\pm$ 5ps	50 ps	100 ps	250 ps	500 ps	750 ps	1 ns
Maximum Impedance	67.1	65.6	64.3	62.6	58.8	56.9	55.8
Minimum Impedance	48.1	49.0	49.3	49.9	50.2	50.4	50.5

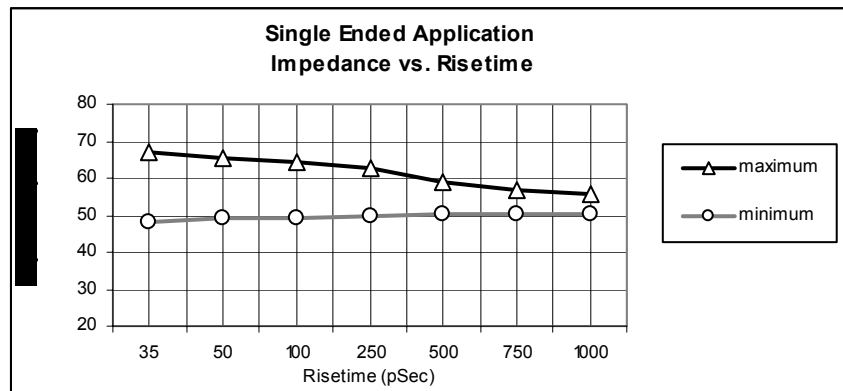
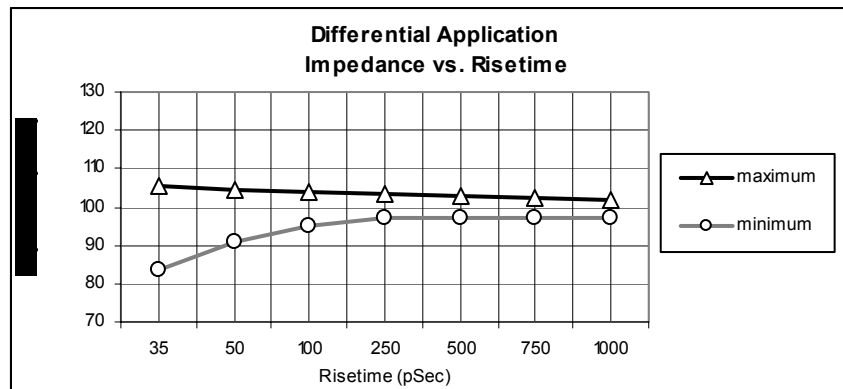


Table 4 - Differential Impedance ( $\Omega$ ) – Pair B14-C14 (DP1)							
Signal Risetime	35 $\pm$ 5ps	50 ps	100 ps	250 ps	500 ps	750 ps	1 ns
Maximum Impedance	105.5	104.5	104.1	103.2	102.7	102.3	101.9
Minimum Impedance	83.4	90.9	95.0	96.9	97.1	97.2	97.2



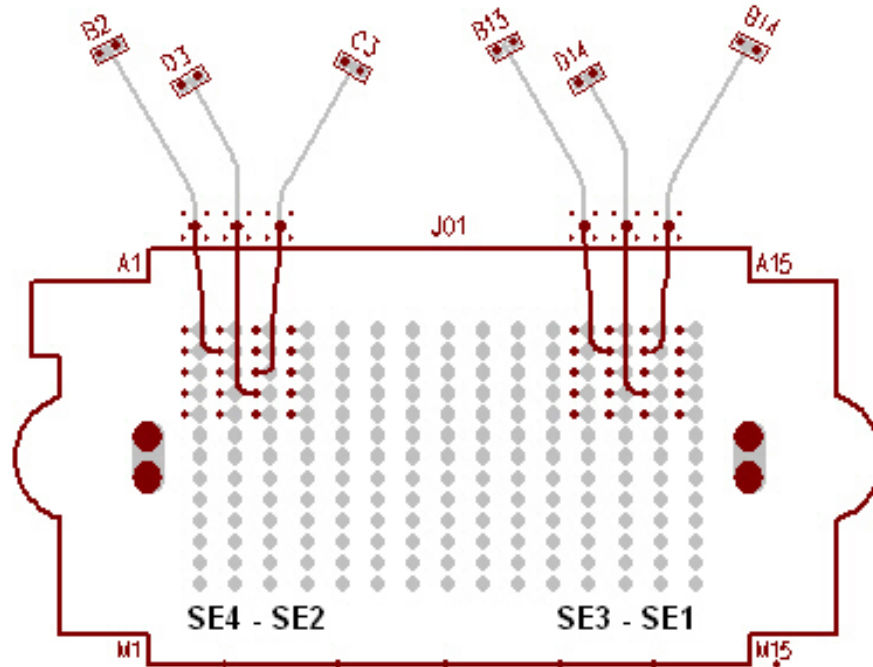
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**Table 5 - Single-Ended Crosstalk (%)**

Input (t <sub>r</sub> )	Source	Victim	30±5ps	50 ps	100 ps	250 ps	500 ps	750 ps	1 ns
<b>NEXT</b>	HDAM_C3	D3	16.0	15.4	15.2	14.0	9.8	7.3	5.8
	HDAM_B14	D14	1.2	1.0	< 1.0%	< 1.0%	< 1.0%	< 1.0%	< 1.0%
	HDAM_B14	B13	4.1	3.6	2.9	2.8	2.0	1.5	1.2
	HDAM_C3	B2	2.5	2.2	1.8	1.7	1.2	< 1.0%	< 1.0%
<b>FEXT</b>	HDAM_C3	D3	7.5	5.1	4.3	3.8	2.8	2.1	1.7
	HDAM_B14	D14	1.2	< 1.0%	< 1.0%	< 1.0%	< 1.0%	< 1.0%	< 1.0%
	HDAM_B14	B13	4.4	2.9	1.8	1.0	< 1.0%	< 1.0%	< 1.0%
	HDAM_C3	B2	2.4	1.7	1.1	< 1.0%	< 1.0%	< 1.0%	< 1.0%

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



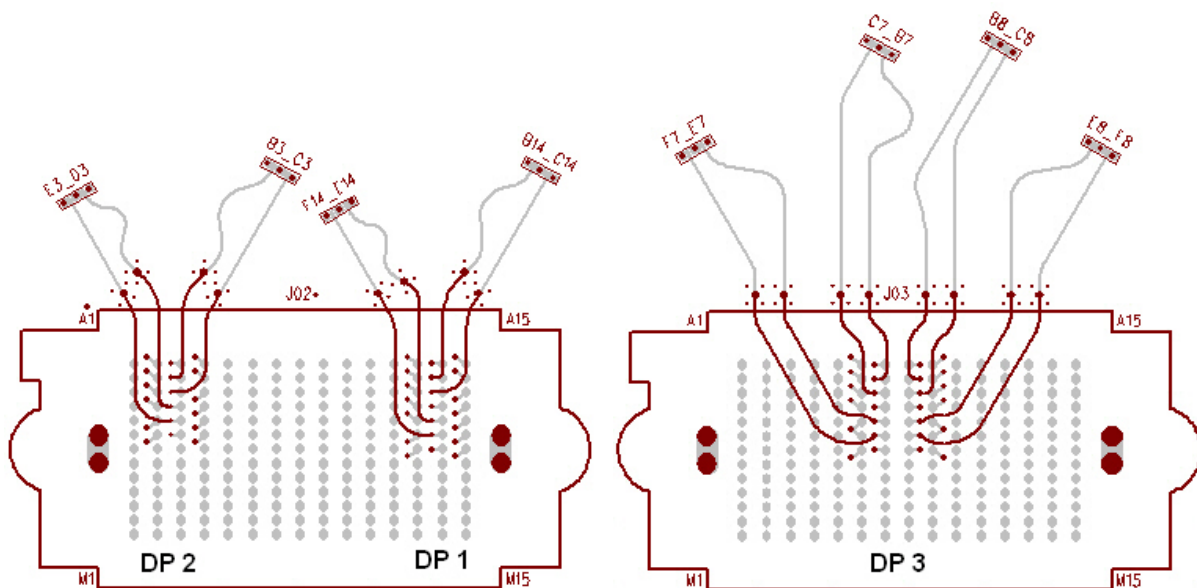
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**Table 6 – Differential Crosstalk (%)**

Input (t <sub>r</sub> )	Source	Victim	30±5ps	50 ps	100 ps	250 ps	500 ps	750 ps	1 ns
<b>NEXT</b>	HDAM B3-C3	D3-E3	5.4	5.3	5.2	4.8	3.2	2.4	1.9
	HDAM B14-C14	E14-F14	< 1.0%	< 1.0%	< 1.0%	< 1.0%	< 1.0%	< 1.0%	< 1.0%
	HDAM E8-F8	E7-F7	1.2	1.1	1.0	< 1.0%	< 1.0%	< 1.0%	< 1.0%
	HDAM E8-F8	B7-C7	< 1.0%	< 1.0%	< 1.0%	< 1.0%	< 1.0%	< 1.0%	< 1.0%
<b>FEXT</b>	HDAM B3-C3	D3-E3	1.3	< 1.0%	< 1.0%	< 1.0%	< 1.0%	< 1.0%	< 1.0%
	HDAM B14-C14	E14-F14	< 1.0%	< 1.0%	< 1.0%	< 1.0%	< 1.0%	< 1.0%	< 1.0%
	HDAM E8-F8	E7-F7	< 1.0%	< 1.0%	< 1.0%	< 1.0%	< 1.0%	< 1.0%	< 1.0%
	HDAM E8-F8	B7-C7	< 1.0%	< 1.0%	< 1.0%	< 1.0%	< 1.0%	< 1.0%	< 1.0%

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



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<b>Table 7 - Propagation Delay (Mated Connector)</b>	
<b>Single-Ended</b>	196ps
<b>Differential</b>	197ps