

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

**Description:** 1.2mm x 2mm grid interconnect system, high density array, 30mm Stack Height

## Time Domain Data Summary

Table 3 - Single-Ended Impedance ( $\Omega$ ) – Line B14 (SE1)							
Signal Risetime	35±5ps	50 ps	100 ps	250 ps	500 ps	750 ps	1 ns
Maximum Impedance	67.1	65.1	64.1	61.4	57.5	55.7	54.7
Minimum Impedance	48.0	49.0	49.3	49.8	50.2	50.4	50.5

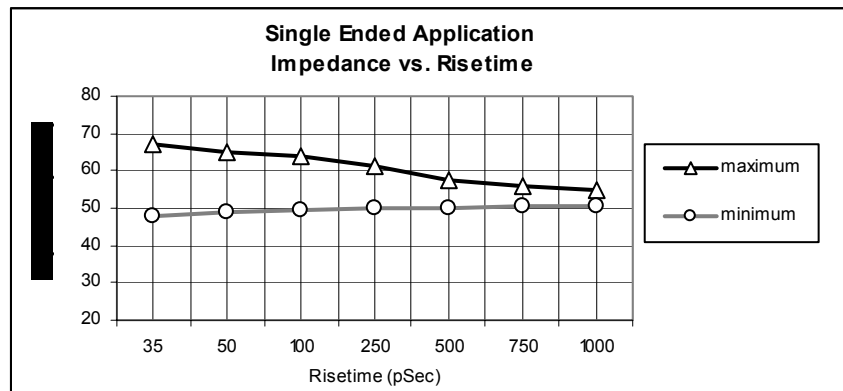
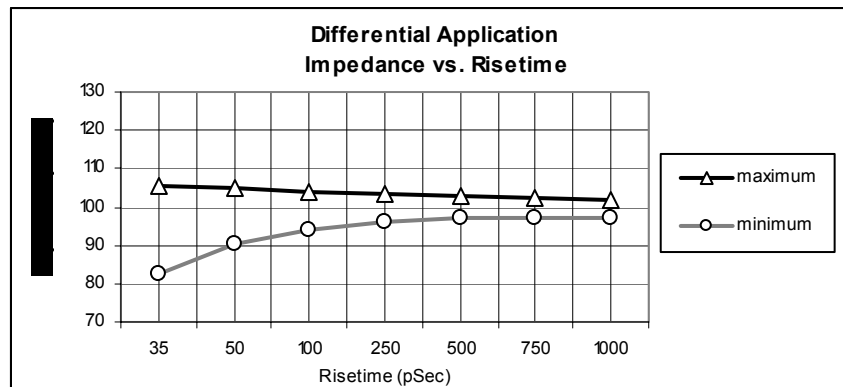


Table 4 - Differential Impedance ( $\Omega$ ) – Pair B14-C14 (DP1)							
Signal Risetime	35±5ps	50 ps	100 ps	250 ps	500 ps	750 ps	1 ns
Maximum Impedance	105.4	104.7	104.1	103.3	102.6	102.1	101.6
Minimum Impedance	82.4	90.1	93.9	96.0	97.0	97.2	97.2



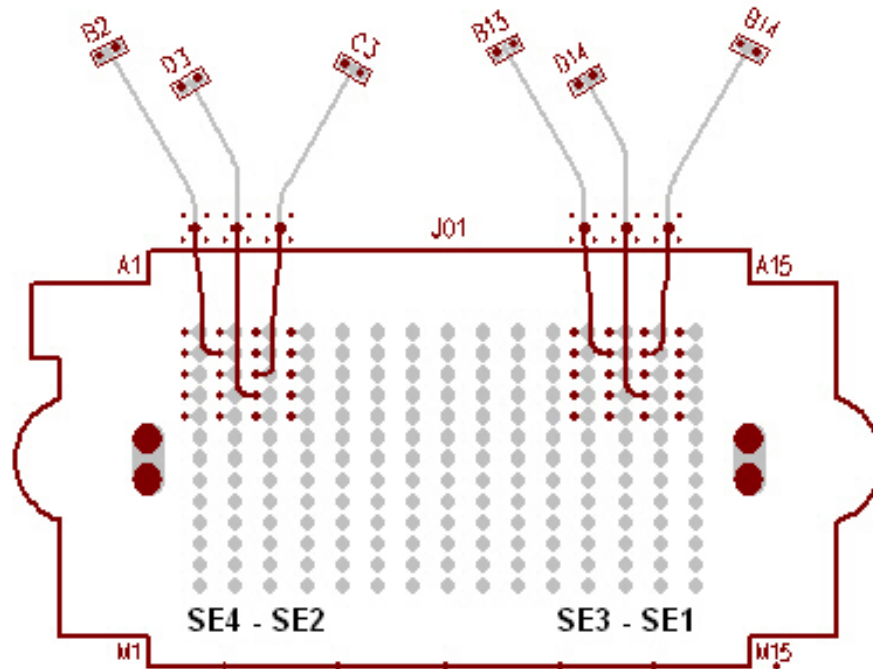
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**Table 5 - Single-Ended Crosstalk (%)**

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	15.9	15.5	15.1	13.1	8.8	5.4	5.2
	HDAM_B14	D14	1.2	1.0	< 1.0%	< 1.0%	< 1.0%	< 1.0%	< 1.0%
	HDAM_B14	B13	2.3	2.1	2.0	1.8	1.1	< 1.0%	< 1.0%
	HDAM_C3	B2	2.4	2.1	1.8	1.6	1.2	< 1.0%	< 1.0%
<b>FEXT</b>	HDAM_C3	D3	7.9	5.3	3.7	3.2	2.1	1.6	1.3
	HDAM_B14	D14	< 1.0%	< 1.0%	< 1.0%	< 1.0%	< 1.0%	< 1.0%	< 1.0%
	HDAM_B14	B13	4.3	2.9	1.8	1.0	< 1.0%	< 1.0%	< 1.0%
	HDAM_C3	B2	2.3	1.7	1.1	< 1.0%	< 1.0%	< 1.0%	< 1.0%

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



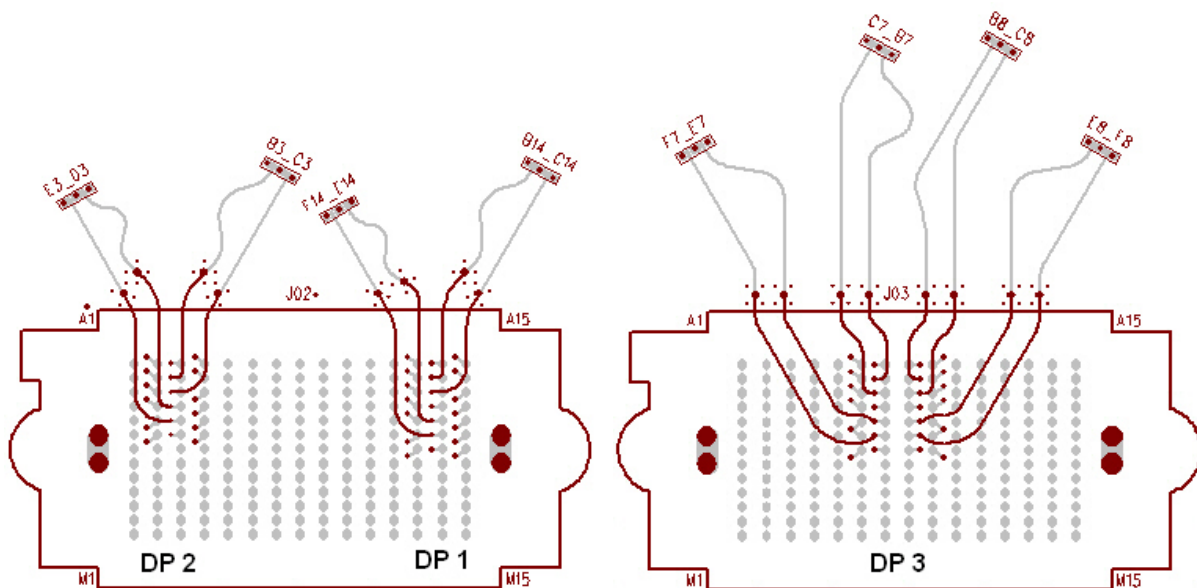
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**Table 6 – Differential Crosstalk (%)**

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	< 1.0%	< 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	1.2	< 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>	176ps
<b>Differential</b>	184ps