

Series: HDAM/HDAF Series (HDMezz)

Description: 1.2mm x 2mm grid interconnect system, high density array, 25mm Stack Height

Time Domain Data Summary

Table 3 - Single-Ended Impedance (Ω) – Line B14 (SE1)							
Signal Risetime	35±5ps	50 ps	100 ps	250 ps	500 ps	750 ps	1 ns
Maximum Impedance	65.3	64.7	63.2	59.6	56.1	54.8	54.0
Minimum Impedance	46.6	48.1	49.1	49.8	50.2	50.4	50.5

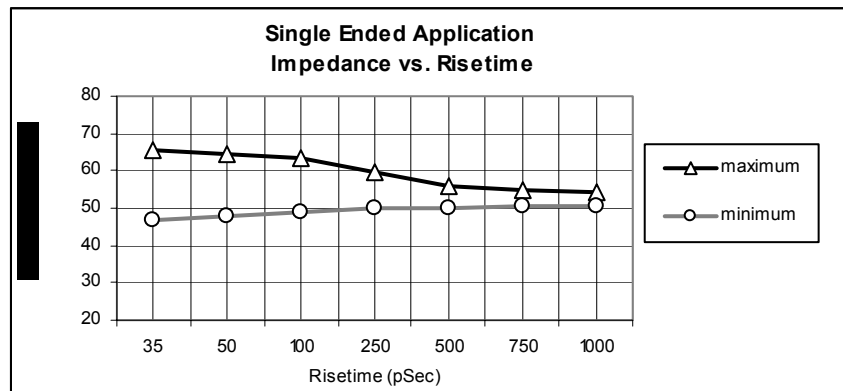
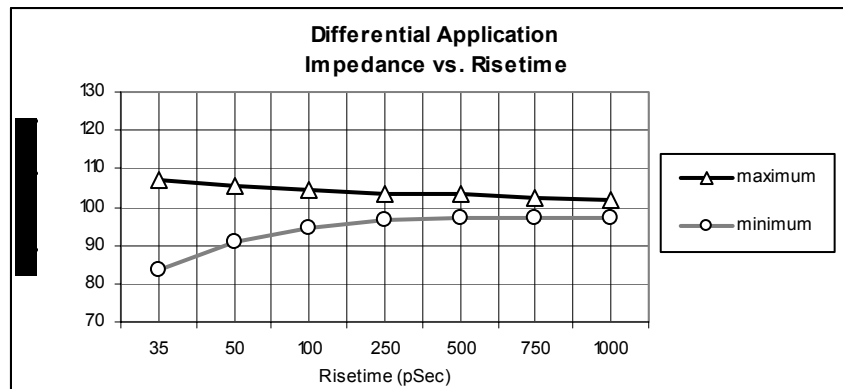


Table 4 - Differential Impedance (Ω) – Pair B14-C14 (DP1)							
Signal Risetime	35±5ps	50 ps	100 ps	250 ps	500 ps	750 ps	1 ns
Maximum Impedance	107.1	105.6	104.5	103.6	103.2	102.5	101.9
Minimum Impedance	83.6	91.0	94.7	96.8	97.0	97.1	97.1



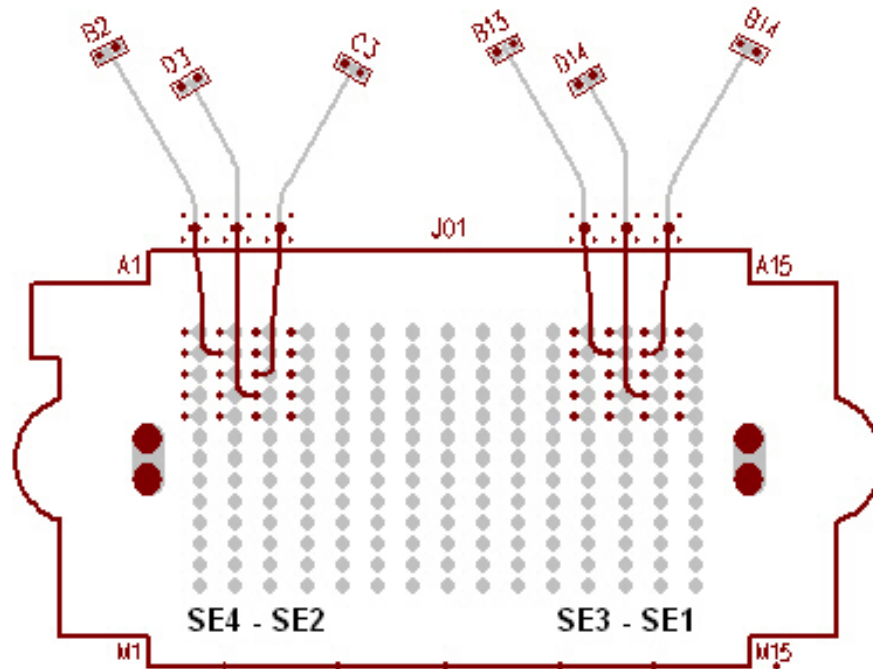
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Table 5 - Single-Ended Crosstalk (%)

Input (t _r)	Source	Victim	30±5ps	50 ps	100 ps	250 ps	500 ps	750 ps	1 ns
NEXT	HDAM_C3	D3	15.9	15.2	14.7	12.0	7.8	5.7	4.5
	HDAM_B14	D14	1.2	< 1.0%	< 1.0%	< 1.0%	< 1.0%	< 1.0%	< 1.0%
	HDAM_B14	B13	3.8	3.3	3.1	2.5	1.6	1.2	< 1.0%
	HDAM_C3	B2	2.2	2.1	1.9	1.5	1.0	< 1.0%	< 1.0%
FEXT	HDAM_C3	D3	7.9	5.3	3.7	3.2	2.1	1.6	1.3
	HDAM_B14	D14	1.6	1.1	< 1.0%	< 1.0%	< 1.0%	< 1.0%	< 1.0%
	HDAM_B14	B13	4.1	2.7	1.7	< 1.0%	< 1.0%	< 1.0%	< 1.0%
	HDAM_C3	B2	2.3	1.6	1.0	< 1.0%	< 1.0%	< 1.0%	< 1.0%

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



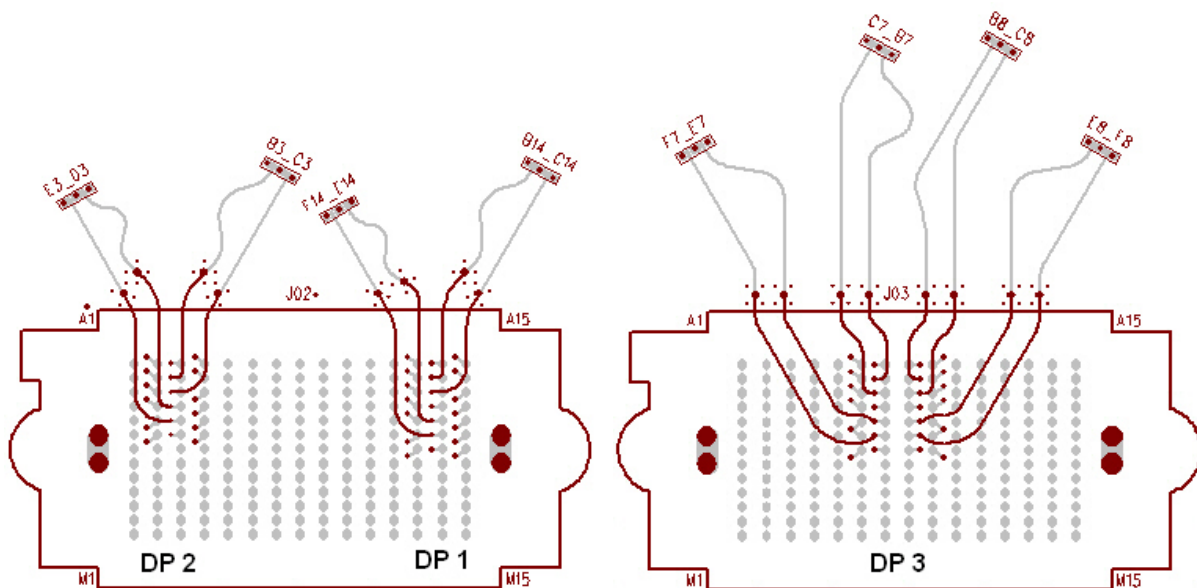
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Table 6 – Differential Crosstalk (%)

Input (t _r)	Source	Victim	30±5ps	50 ps	100 ps	250 ps	500 ps	750 ps	1 ns
NEXT	HDAM B3-C3	D3-E3	5.4	5.2	5.0	4.1	2.5	1.8	1.4
	HDAM B14-C14	E14-F14	< 1.0%	< 1.0%	< 1.0%	< 1.0%	< 1.0%	< 1.0%	< 1.0%
	HDAM E8-F8	E7-F7	1.9	1.6	1.5	1.3	< 1.0%	< 1.0%	< 1.0%
	HDAM E8-F8	B7-C7	1.1	1.0	< 1.0%	< 1.0%	< 1.0%	< 1.0%	< 1.0%
FEXT	HDAM B3-C3	D3-E3	3.9	2.6	1.8	1.6	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	2.0	1.3	< 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%

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Table 7 - Propagation Delay (Mated Connector)	
Single-Ended	151ps
Differential	166ps