

Series: HDAM/HDAF Series (HDMezz)

Description: 1.2mm x 2mm grid interconnect system, high density array, 20mm 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	63.6	62.4	61.7	57.5	54.5	53.4	52.9
Minimum Impedance	46.3	47.7	48.9	49.8	50.2	50.4	50.5

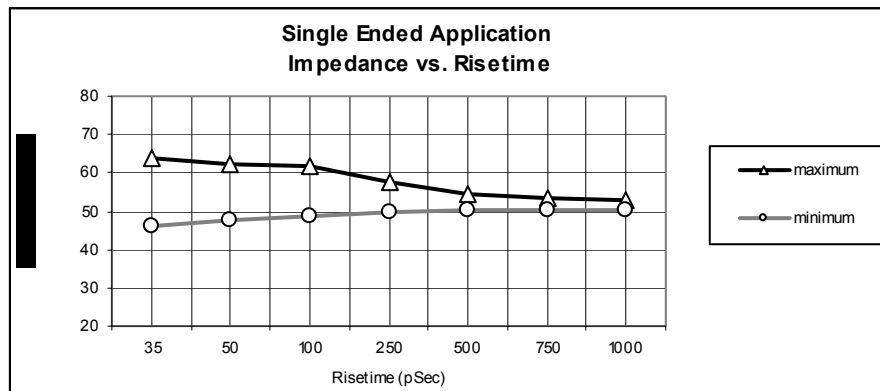
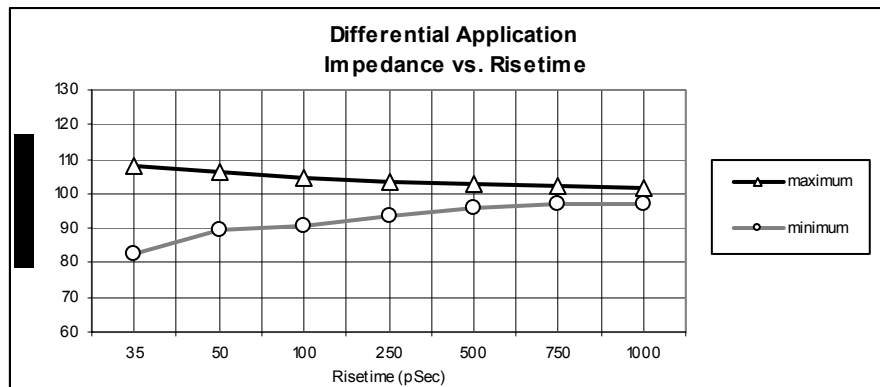


Table 4 - Differential Impedance (Ω) – Pair B14-C14 (DP1)							
Signal Risetime	35±5ps	50 ps	100 ps	250 ps	500 ps	750 ps	1 ns
Maximum Impedance	107.9	106.0	104.6	103.4	102.9	102.0	102.5
Minimum Impedance	82.3	89.5	90.7	93.4	95.8	96.9	90.6



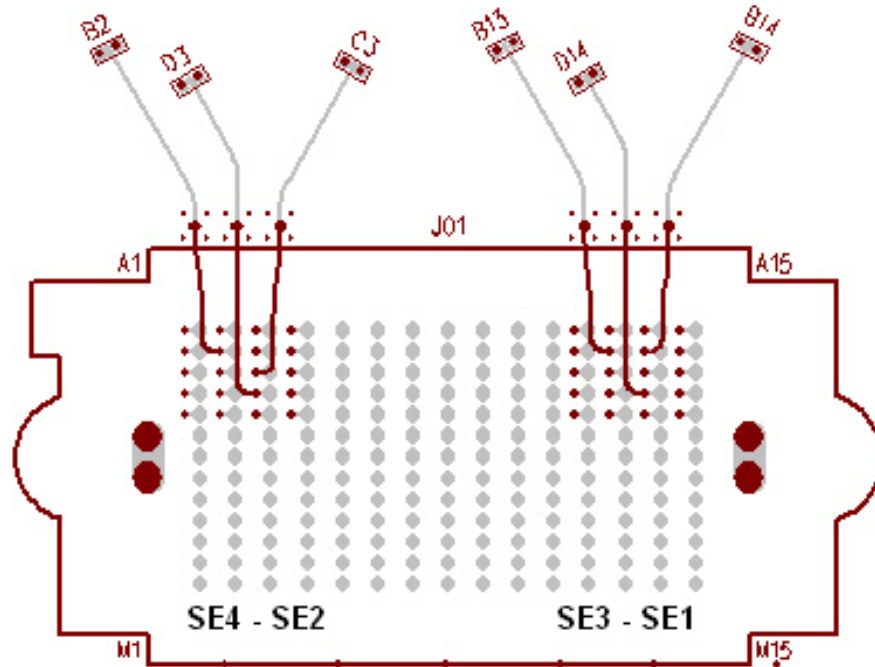
Series: HDAM/HDAF Series (HDMezz)

Description: 1.2mm x 2mm grid interconnect system, high density array, 20mm Stack Height

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	15.8	15.0	14.5	10.6	6.6	4.8	3.7
	HDAM_B14	D14	1.2	< 1.0%	< 1.0%	< 1.0%	< 1.0%	< 1.0%	< 1.0%
	HDAM_B14	B13	3.7	3.2	3.0	2.3	1.5	1.1	< 1.0%
	HDAM_C3	B2	2.2	2.0	1.9	1.4	< 1.0%	< 1.0%	< 1.0%
FEXT	HDAM_C3	D3	8.1	5.5	3.7	2.9	1.8	1.3	1.1
	HDAM_B14	D14	1.9	1.3	< 1.0%	< 1.0%	< 1.0%	< 1.0%	< 1.0%
	HDAM_B14	B13	3.9	2.6	1.6	< 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)



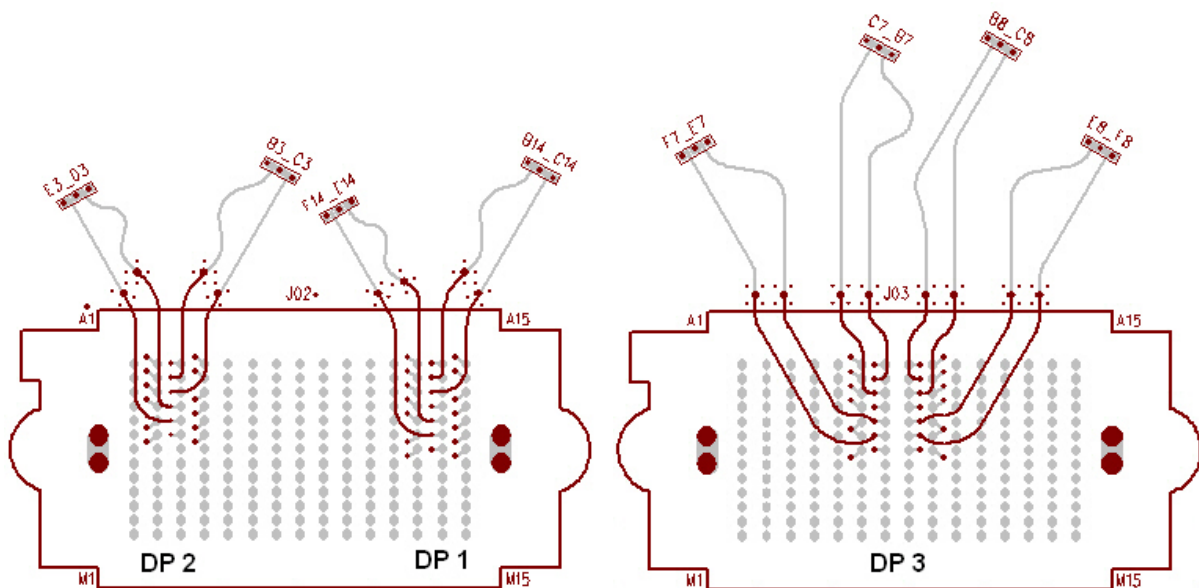
Series: HDAM/HDAF Series (HDMezz)

Description: 1.2mm x 2mm grid interconnect system, high density array, 20mm Stack Height

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	5.1	4.9	3.6	2.1	1.5	1.2
	HDAM B14-C14	E14-F14	< 1.0%	< 1.0%	< 1.0%	< 1.0%	< 1.0%	< 1.0%	< 1.0%
	HDAM E8-F8	E7-F7	1.1	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%
FEXT	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	1.0	< 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)



Series: HDAM/HDAF Series (HDMezz)

Description: 1.2mm x 2mm grid interconnect system, high density array, 20mm Stack Height

Table 7 - Propagation Delay (Mated Connector)	
Single-Ended	140ps
Differential	142ps