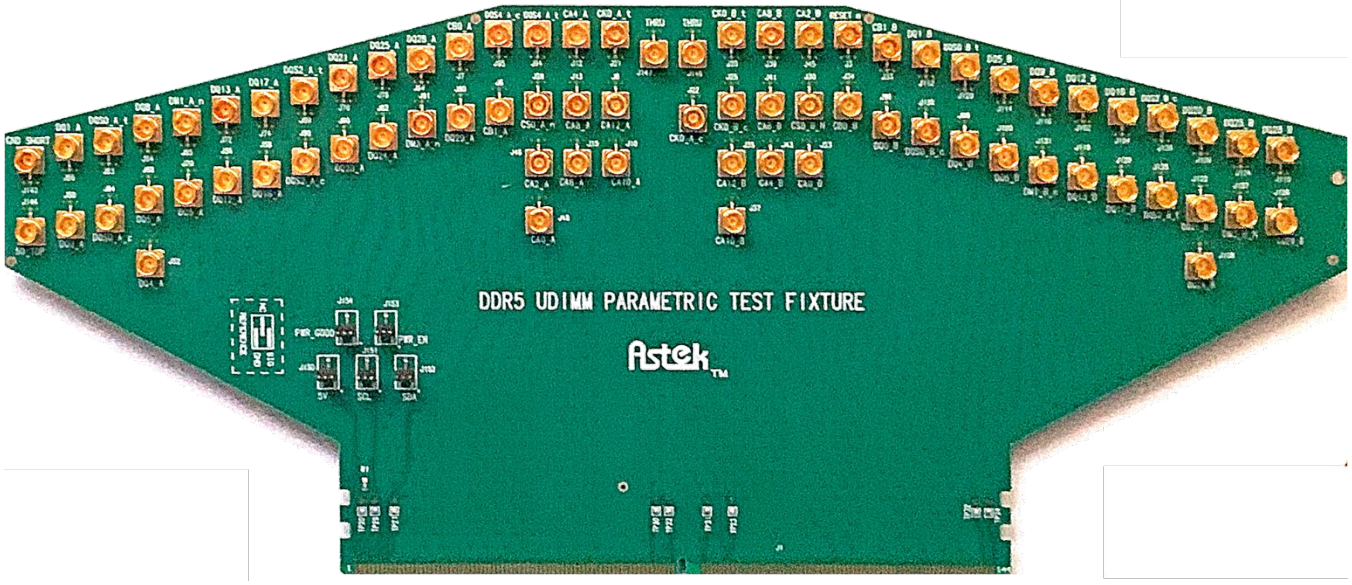
DDR5 UDIMM Parametric Card

A9-UDIMM5-01 Product Brief



UDIMM Parametric C

DDR5 UDIMM Parametric Test Fixture

The DDR5 UDIMM Parametric Card enables designers to access all signals from a DDR5 UDIMM slot by plugging the DDR5 UDIMM Parametric Card directly into the UDIMM slot on a host. The test fixture is constructed from high speed, low loss MEGTRON 6 board material.

Technical Specification

UDIMM Signal Count: 145

- All high-speed signals are brought out to SMP connectors
  - Traces are length matched to within 1 mil.
- Low speed signals are brought out to 50 mil headers
- VIN Bulk and VIN Management are brought out to 50 mil headers

Calibration Structures:

- 2X THRU
- 1X SHORT
- 1X OPEN
- 1X 50Ω LOAD

Approximate Size: 262.9mm x 114.3mm
Connectors: SMP (high-speed)
0.05”pins (low-speed)

This information is subject to change without notice

UDIMM Signal Access by SMP Connectors

UDIMM Pin #	UDIMM Signal
1	VIN_BULK
4	HSCL
5	HSDA
9	DQ0_A
11	DQ1_A
13	DQS0_A_c
14	DQS0_A_t
16	DQ4_A
18	DQ5_A
20	DQ8_A
22	DQ9_A
24	DM1_A_n
26	DQ12_A
28	DQ13_A
30	DQ16_A
32	DQ17_A
34	DQS2_A_c
35	DQS2_A_t
37	DQ20_A
39	DQ21_A
41	DQ24_A
43	DQ25_A
45	DM3_A_n
47	DQ28_A
49	DQ29_A
51	CB0_A
53	CB1_A
55	DQS4_A_t
56	DQS4_A_c
58	CS0_A_n
60	CA0_A
61	CA2_A
63	CA4_A
64	CA6_A
66	CA8_A
67	CA10_A
69	CA12_A

UDIMM Pin #	UDIMM Signal
145	VIN_BULK
146	VIN_BULK
147	PWR_GOOD/FAIL_n
148	HSA
151	PWR_EN
154	DQ2_A
156	DQ3_A
158	DM0_A_n
160	DQ6_A
162	DQ7_A
164	DQ10_A
166	DQ11_A
168	DQS1_A_c
169	DQS1_A_t
171	DQ14_A
173	DQ15_A
175	DQ18_A
177	DQ19_A
179	DM2_A_n
181	DQ22_A
183	DQ23_A
185	DQ26_A
187	DQ27_A
189	DQS3_A_c
190	DQS3_A_t
192	DQ30_A
194	DQ31_A
196	CB2_A
198	CB3_A
200	ALERT_n
202	CS1_A_n
204	CA1_A
205	CA3_A
207	CA5_A
208	CA7_A
210	CA9_A
211	CA11_A

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UDIMM Signal Access (continued)

UDIMM Pin #	UDIMM Signal
72	CK0_A_t
73	CK0_A_c
78	CK0_B_t
79	CK0_B_c
82	CA12_B
84	CA10_B
85	CA8_B
87	CA6_B
88	CA4_B
90	CA2_B
91	CA0_B
93	CS0_B_n
95	RESET_n
97	CB0_B
99	CB1_B
101	DQ0_B
103	DQ1_B
105	DQS0_B_c
106	DQS0_B_t
108	DQ4_B
110	DQ5_B
112	DQ8_B
114	DQ9_B
116	DM1_B_n
118	DQ12_B
120	DQ13_B
122	DQ16_B
124	DQ17_B
126	DQS2_B_c
127	DQS2_B_t
129	DQ20_B
131	DQ21_B
133	DQ24_B
135	DQ25_B
137	DM3_B_n
139	DQ28_B
141	DQ29_B

UDIMM Pin #	UDIMM Signal
216	CK1_A_t
217	CK1_A_c
222	CK1_B_t
223	CK1_B_c
228	CA11_B
229	CA9_B
231	CA7_B
232	CA5_B
234	CA3_B
235	CA1_B
237	CS1_B_n
239	DQS4_B_c
240	DQS4_B_t
242	CB2_B
244	CB3_B
246	DQ2_B
248	DQ3_B
250	DM0_B_n
252	DQ6_B
254	DQ7_B
256	DQ10_B
258	DQ11_B
260	DQS1_B_c
261	DQS1_B_t
263	DQ14_B
265	DQ15_B
267	DQ18_B
269	DQ19_B
271	DM2_B_n
273	DQ22_B
275	DQ23_B
277	DQ26_B
279	DQ27_B
281	DQS3_B_c
282	DQS3_B_t
284	DQ30_B
286	DQ31_B

** Note: Pins not listed above are ground*

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