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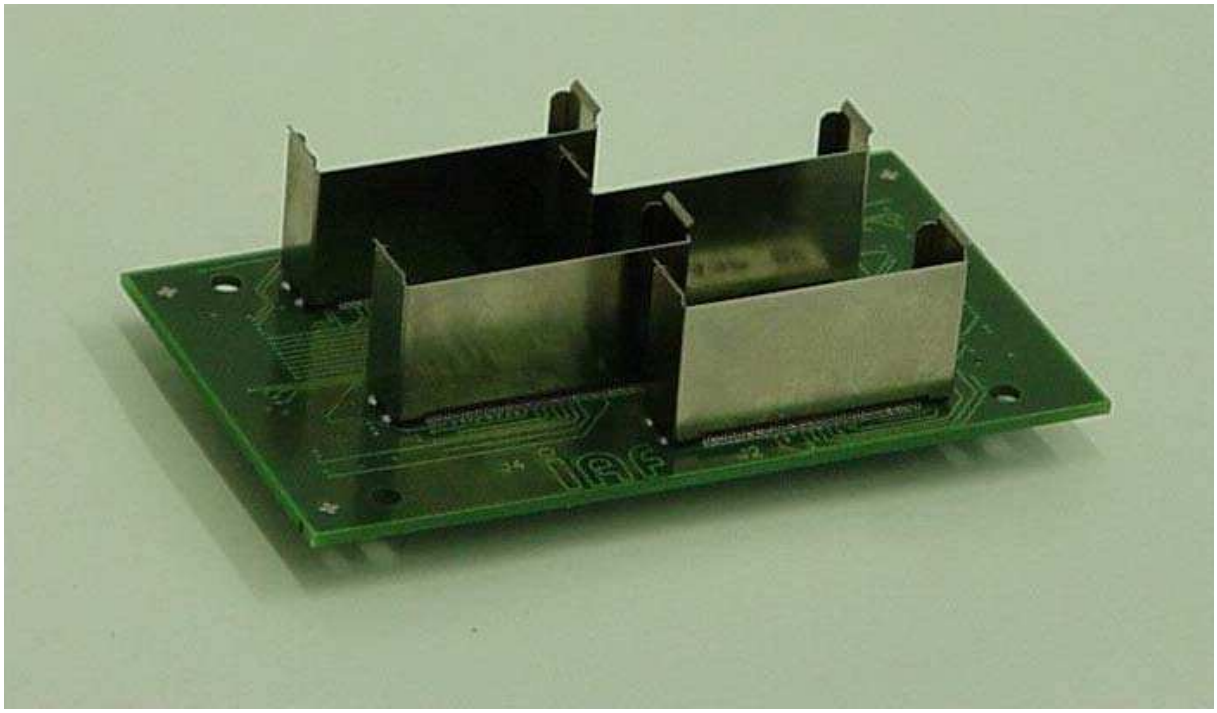
ASP Measurement Adaptor (Rev. 1.0)

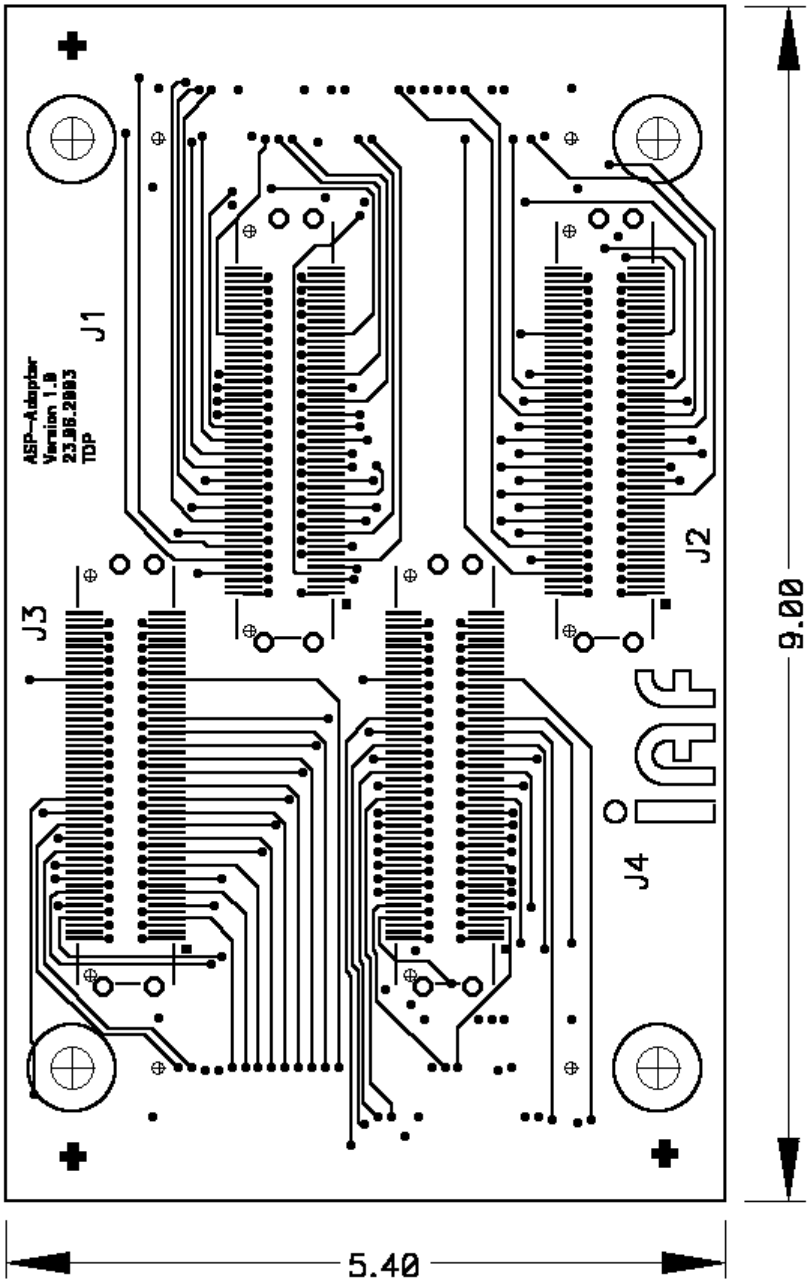
(Data Sheet Rev. 1.0 March 2004)

The ASP-Adaptor-Board is used for measurement purposes in common with the following FPGA platforms:

- iaf FFP basic
- CHIPIt Gold Edition.

Plugged into an extension slot of FPGA platform board, an easy to handle measurement interface to Agilent Logic Analyzers is available (*Agilent High Density Probe Adapter E5385A*).
The board is equipped with two Samtec BKT-169-05-L-V-A connectors on the bottom and four Agilent ASP-65067-01 sockets with shrouds.
A total number of 124 signal lines can be connected to Logic Analyzer probe adaptors:
6 LA channels, each 16 Bit + CLK
2 LA channels, each 10 Bit + CLK




J1
J2
J3
J4
ASP-Adaptor
Version 1.0
23.08.2003
TDP
9.00
5.40

Pinout of measurement connector J1

Pin-Nr.	Signal	Pin-Name	Pin-Nr.	Signal	Pin-Name
1	GND	GND	2	GND	GND
3	NC	NC	4	NC	NC
5	GND	GND	6	GND	GND
7	EBxP17	O_D0	8	EBxP1	E_D0
9	GND	GND	10	GND	GND
11	EBxP48	O_D1	12	EBxP32	E_D1
13	GND	GND	14	GND	GND
15	EBxP16	O_D2	16	EBxP33	E_D2
17	GND	GND	18	GND	GND
19	EBxP47	O_D3	20	EBxP2	E_D3
21	GND	GND	22	GND	GND
23	EBxP15	O_D4	24	EBxP34	E_D4
25	GND	GND	26	GND	GND
27	EBxP46	O_D5	28	EBxP3	E_D5
29	GND	GND	30	GND	GND
31	EBxP14	O_D6	32	EBxP35	E_D6
33	GND	GND	34	GND	GND
35	EBxP45	O_D7	36	EBxP4	E_D7
37	GND	GND	38	GND	GND
39	EBxP13	O_D8	40	EBxP36	E_D8
41	GND	GND	42	GND	GND
43	EBxP44	O_D9	44	EBxP5	E_D9
45	GND	GND	46	GND	GND
47	EBxP12	O_D10	48	EBxP37	E_D10
49	GND	GND	50	GND	GND
51	EBxP43	O_D11	52	EBxP6	E_D11
53	GND	GND	54	GND	GND
55	EBxP11	O_D12	56	EBxP38	E_D12
57	GND	GND	58	GND	GND
59	EBxP42	O_D13	60	EBxP7	E_D13
61	GND	GND	62	GND	GND
63	EBxP10	O_D14	64	EBxP39	E_D14
65	GND	GND	66	GND	GND
67	EBxP41	O_D15	68	EBxP8	E_D15
69	GND	GND	70	GND	GND
71	NC	NC	72	NC	NC
73	GND	GND	74	GND	GND
75	NC	NC	76	NC	NC
77	GND	GND	78	GND	GND
79	EBxP9	O_D16P/CLK	80	EBxP40	E_D16P/CLK
81	GND	GND	82	GND	GND
83	NC	NC	84	NC	NC
85	GND	GND	86	GND	GND
87	NC	NC	88	NC	NC
89	GND	GND	90	GND	GND
91	NC	NC	92	NC	NC
93	GND	GND	94	GND	GND
95	GND	GND	96	GND	GND
97	NC	+ 5V	98	+ 5V	NC
99	NC	+ 5V	100	+ 5V	NC

Pinout of measurement connector J2

Pin-Nr.	Signal	Pin-Name	Pin-Nr.	Signal	Pin-Name
1	GND	GND	2	GND	GND
3	NC	NC	4	NC	NC
5	GND	GND	6	GND	GND
7	NC	O_D0	8	EBxP49	E_D0
9	GND	GND	10	GND	GND
11	NC	O_D1	12	EBxP18	E_D1
13	GND	GND	14	GND	GND
15	NC	O_D2	16	EBxP50	E_D2
17	GND	GND	18	GND	GND
19	NC	O_D3	20	EBxP19	E_D3
21	GND	GND	22	GND	GND
23	NC	O_D4	24	EBxP51	E_D4
25	GND	GND	26	GND	GND
27	NC	O_D5	28	EBxP20	E_D5
29	GND	GND	30	GND	GND
31	EBxP31	O_D6	32	EBxP52	E_D6
33	GND	GND	34	GND	GND
35	EBxP62	O_D7	36	EBxP21	E_D7
37	GND	GND	38	GND	GND
39	EBxP30	O_D8	40	EBxP53	E_D8
41	GND	GND	42	GND	GND
43	EBxP61	O_D9	44	EBxP22	E_D9
45	GND	GND	46	GND	GND
47	EBxP29	O_D10	48	EBxP54	E_D10
49	GND	GND	50	GND	GND
51	EBxP60	O_D11	52	EBxP23	E_D11
53	GND	GND	54	GND	GND
55	EBxP28	O_D12	56	EBxP55	E_D12
57	GND	GND	58	GND	GND
59	EBxP59	O_D13	60	EBxP24	E_D13
61	GND	GND	62	GND	GND
63	EBxP27	O_D14	64	EBxP56	E_D14
65	GND	GND	66	GND	GND
67	EBxP58	O_D15	68	EBxP25	E_D15
69	GND	GND	70	GND	GND
71	NC	NC	72	NC	NC
73	GND	GND	74	GND	GND
75	NC	NC	76	NC	NC
77	GND	GND	78	GND	GND
79	EBxP26	O_D16P/CLK	80	EBxP57	E_D16P/CLK
81	GND	GND	82	GND	GND
83	NC	NC	84	NC	NC
85	GND	GND	86	GND	GND
87	NC	NC	88	NC	NC
89	GND	GND	90	GND	GND
91	NC	NC	92	NC	NC
93	GND	GND	94	GND	GND
95	GND	GND	96	GND	GND
97	NC	+ 5V	98	+ 5V	NC
99	NC	+ 5V	100	+ 5V	NC

Pinout of measurement connector J3

ASP Measurement Adaptor Rev. 1.0

Pin-Nr.	Signal	Pin-Name	Pin-Nr.	Signal	Pin-Name
1	GND	GND	2	GND	GND
3	NC	NC	4	NC	NC
5	GND	GND	6	GND	GND
7	EBxP68	O_D0	8	EBxP99	E_D0
9	GND	GND	10	GND	GND
11	EBxP100	O_D1	12	EBxP67	E_D1
13	GND	GND	14	GND	GND
15	EBxP69	O_D2	16	EBxP98	E_D2
17	GND	GND	18	GND	GND
19	EBxP101	O_D3	20	EBxP66	E_D3
21	GND	GND	22	GND	GND
23	EBxP70	O_D4	24	EBxP97	E_D4
25	GND	GND	26	GND	GND
27	EBxP102	O_D5	28	EBxP65	E_D5
29	GND	GND	30	GND	GND
31	EBxP71	O_D6	32	EBxP96	E_D6
33	GND	GND	34	GND	GND
35	EBxP103	O_D7	36	EBxP64	E_D7
37	GND	GND	38	GND	GND
39	EBxP72	O_D8	40	EBxP95	E_D8
41	GND	GND	42	GND	GND
43	EBxP104	O_D9	44	EBxP63	E_D9
45	GND	GND	46	GND	GND
47	EBxP73	O_D10	48	NC	E_D10
49	GND	GND	50	GND	GND
51	EBxP105	O_D11	52	NC	E_D11
53	GND	GND	54	GND	GND
55	EBxP74	O_D12	56	NC	E_D12
57	GND	GND	58	GND	GND
59	EBxP106	O_D13	60	NC	E_D13
61	GND	GND	62	GND	GND
63	EBxP75	O_D14	64	NC	E_D14
65	GND	GND	66	GND	GND
67	EBxP107	O_D15	68	NC	E_D15
69	GND	GND	70	GND	GND
71	NC	NC	72	NC	NC
73	GND	GND	74	GND	GND
75	NC	NC	76	NC	NC
77	GND	GND	78	GND	GND
79	EBxP76	O_D16P/CLK	80	EBxP94	E_D16P/CLK
81	GND	GND	82	GND	GND
83	NC	NC	84	NC	NC
85	GND	GND	86	GND	GND
87	NC	NC	88	NC	NC
89	GND	GND	90	GND	GND
91	NC	NC	92	NC	NC
93	GND	GND	94	GND	GND
95	GND	GND	96	GND	GND
97	NC	+ 5V	98	+ 5V	NC
99	NC	+ 5V	100	+ 5V	NC

Pinout of measurement connector J4

Pin-Nr.	Signal	Pin-Name	Pin-Nr.	Signal	Pin-Name
1	GND	GND	2	GND	GND
3	NC	NC	4	NC	NC
5	GND	GND	6	GND	GND
7	EBxP85	O_D0	8	EBxP116	E_D0
9	GND	GND	10	GND	GND
11	EBxP117	O_D1	12	EBxP84	E_D1
13	GND	GND	14	GND	GND
15	EBxP86	O_D2	16	EBxP115	E_D2
17	GND	GND	18	GND	GND
19	EBxP118	O_D3	20	EBxP83	E_D3
21	GND	GND	22	GND	GND
23	EBxP87	O_D4	24	EBxP114	E_D4
25	GND	GND	26	GND	GND
27	EBxP119	O_D5	28	EBxP82	E_D5
29	GND	GND	30	GND	GND
31	EBxP88	O_D6	32	EBxP113	E_D6
33	GND	GND	34	GND	GND
35	EBxP120	O_D7	36	EBxP81	E_D7
37	GND	GND	38	GND	GND
39	EBxP89	O_D8	40	EBxP112	E_D8
41	GND	GND	42	GND	GND
43	EBxP121	O_D9	44	EBxP80	E_D9
45	GND	GND	46	GND	GND
47	EBxP90	O_D10	48	EBxP111	E_D10
49	GND	GND	50	GND	GND
51	EBxP122	O_D11	52	EBxP79	E_D11
53	GND	GND	54	GND	GND
55	EBxP91	O_D12	56	EBxP110	E_D12
57	GND	GND	58	GND	GND
59	EBxP123	O_D13	60	EBxP78	E_D13
61	GND	GND	62	GND	GND
63	EBxP92	O_D14	64	EBxP109	E_D14
65	GND	GND	66	GND	GND
67	EBxP124	O_D15	68	EBxP77	E_D15
69	GND	GND	70	GND	GND
71	NC	NC	72	NC	NC
73	GND	GND	74	GND	GND
75	NC	NC	76	NC	NC
77	GND	GND	78	GND	GND
79	EBxP93	O_D16P/CLK	80	EBxP108	E_D16P/CLK
81	GND	GND	82	GND	GND
83	NC	NC	84	NC	NC
85	GND	GND	86	GND	GND
87	NC	NC	88	NC	NC
89	GND	GND	90	GND	GND
91	NC	NC	92	NC	NC
93	GND	GND	94	GND	GND
95	GND	GND	96	GND	GND
97	NC	+ 5V	98	+ 5V	NC
99	NC	+ 5V	100	+ 5V	NC