

# APPLICATION NOTE 1

Converter pin-out

**SMT517**

SUNDANCE MULTIPROCESSOR TECHNOLOGY LTD.

Date	Comments / Changes	Author	Revision
26/2/04	First release	GP	1.0

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The SMT517 is a small adapter board that converts an SHB type connector into 2 SDB connectors. This can be useful when connecting the older SDB standard to modules incorporating the newer SHB connectors.

It can also be useful in situations where the SHB signals need to be probed during debugging of custom FPGA configurations.

SHB pin number	SDBA Pin number		SHB pin number
1	1	2	GND
2	3	4	GND
3	5	6	GND
4	7	8	GND
5	9	10	GND
6	11	12	GND
7	13	14	GND
8	15	16	GND
9	17	18	GND
10	19	20	GND
11	21	22	GND
12	23	24	GND
13	25	26	GND
14	27	28	GND
15	29	30	GND
16	31	32	GND
17	33	34	GND
18	35	36	GND
22	37	38	23
19	39	40	24

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SHB pin number	SDBB Pin number		SHB pin number
37	1	2	GND
38	3	4	GND
39	5	6	GND
40	7	8	GND
41	9	10	GND
42	11	12	GND
43	13	14	GND
44	15	16	GND
45	17	18	GND
46	19	20	GND
47	21	22	GND
48	23	24	GND
49	25	26	GND
50	27	28	GND
51	29	30	GND
52	31	32	GND
53	33	34	GND
54	35	36	GND
58	37	38	59
55	39	40	60

Note: GND is the central conductor on the SHB connector.

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