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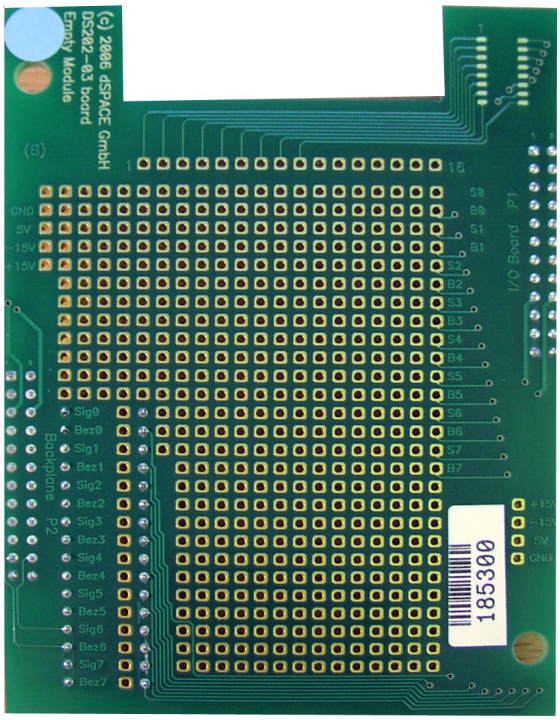
Find the *dSPACE DS0202-03* at our website: ***Click HERE***

dSPACE

Hardware documentation of

DS0202-03 board

(Prototyping Board)



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1 General Description

This module can be used for two different purposes:
The signals applied by the connected dSPACE I/O board can be wired directly to the strip terminals on the back plane.

The embedded breadboard can be used to quickly implement specific circuits for testing purposes.
The following figure shows the component side of the dS0202 module:

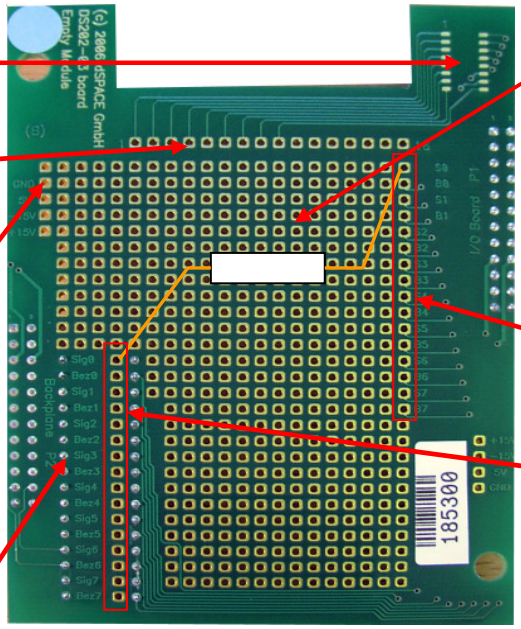


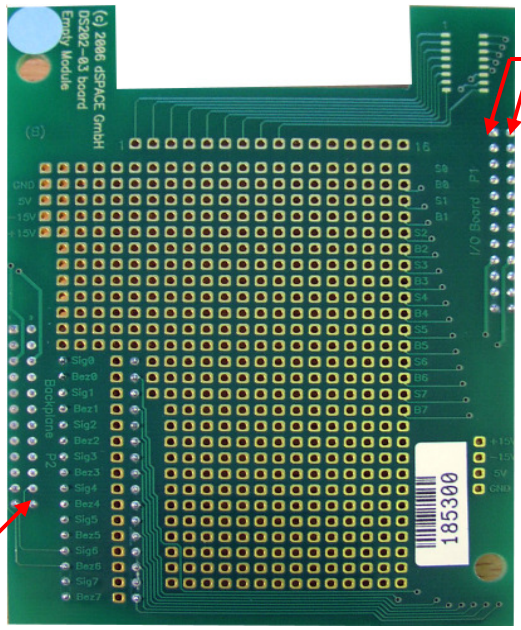
Figure 1: component side

Test circuits can be implemented on the breadboard field, whereas the used signals, references and supply voltages have to be wired from the pads on top of the board. Therefore the default resistors for the selected channels must be removed from the bottom side.

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2 Connectors

Connector P1 carries the signals of the connected dSPACE I/O board
Connector P2 carries the conditioned signals wired to the customers hardware



P1 Pin	Signal
1	I/O BOARD Channel 0 (CH 0)
2	I/O BOARD reference signal for channel 0 (REF 0)
3	I/O BOARD Channel 1 (CH 1)
4	I/O BOARD reference signal for channel 1 (REF 1)
5	I/O BOARD Channel 2 (CH 2)
6	I/O BOARD reference signal for channel 2 (REF 2)
7	I/O BOARD Channel 3 (CH 3)
8	I/O BOARD reference signal for channel 3 (REF 3)
9	I/O BOARD Channel 4 (CH 4)
10	I/O BOARD reference signal for channel 4 (REF 4)
11	I/O BOARD Channel 5 (CH 5)
12	I/O BOARD reference signal for channel 5 (REF 5)
13	I/O BOARD Channel 6 (CH 6)
14	I/O BOARD reference signal for channel 6 (REF 6)
15	I/O BOARD Channel 7 (CH 7)
16	I/O BOARD reference signal for channel 7 (REF 7)
17	Unused
18	Unused
19	+5V supply voltage from side plane (VCC)
20	Ground (GND)
21	Unused
22	Unused
23	Unused
24	Unused

P2 Pin	Signal
1	Unused
2	Unused
3	Unused
4	Unused
5	Ground (GND)
6	+5V supply voltage from side plane (VCC)
7	-15V supply voltage from side plane
8	+15V supply voltage from side plane
9	STRIP TERMINAL reference 0 (REF 0)
10	STRIP TERMINAL Channel 0 (CH 0)
11	STRIP TERMINAL reference 1 (REF 1)
12	STRIP TERMINAL Channel 1 (CH 1)
13	STRIP TERMINAL reference 2 (REF 2)
14	STRIP TERMINAL Channel 2 (CH 2)
15	STRIP TERMINAL reference 3 (REF 3)
16	STRIP TERMINAL Channel 3 (CH 3)
17	STRIP TERMINAL reference 4 (REF 4)
18	STRIP TERMINAL Channel 4 (CH 4)
19	STRIP TERMINAL reference 5 (REF 5)
20	STRIP TERMINAL Channel 5 (CH 5)
21	STRIP TERMINAL reference 6 (REF 6)
22	STRIP TERMINAL Channel 6 (CH 6)
23	STRIP TERMINAL reference 7 (REF 7)
24	STRIP TERMINAL Channel 7 (CH 7)

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3 Datasheets

Supply voltages	+5V, -15V, +15V and GND available at connector P2 and in addition on 3 pads on top of the board
Channels	8 channels with signal/reference line, default configuration wired through by 0 Ohm resistors
Special feature	Placeholder for 16 pin IC with SO16 pattern, IC pin pre-routed to 16 through hole pads on top of the board

Table 1: electrical data

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