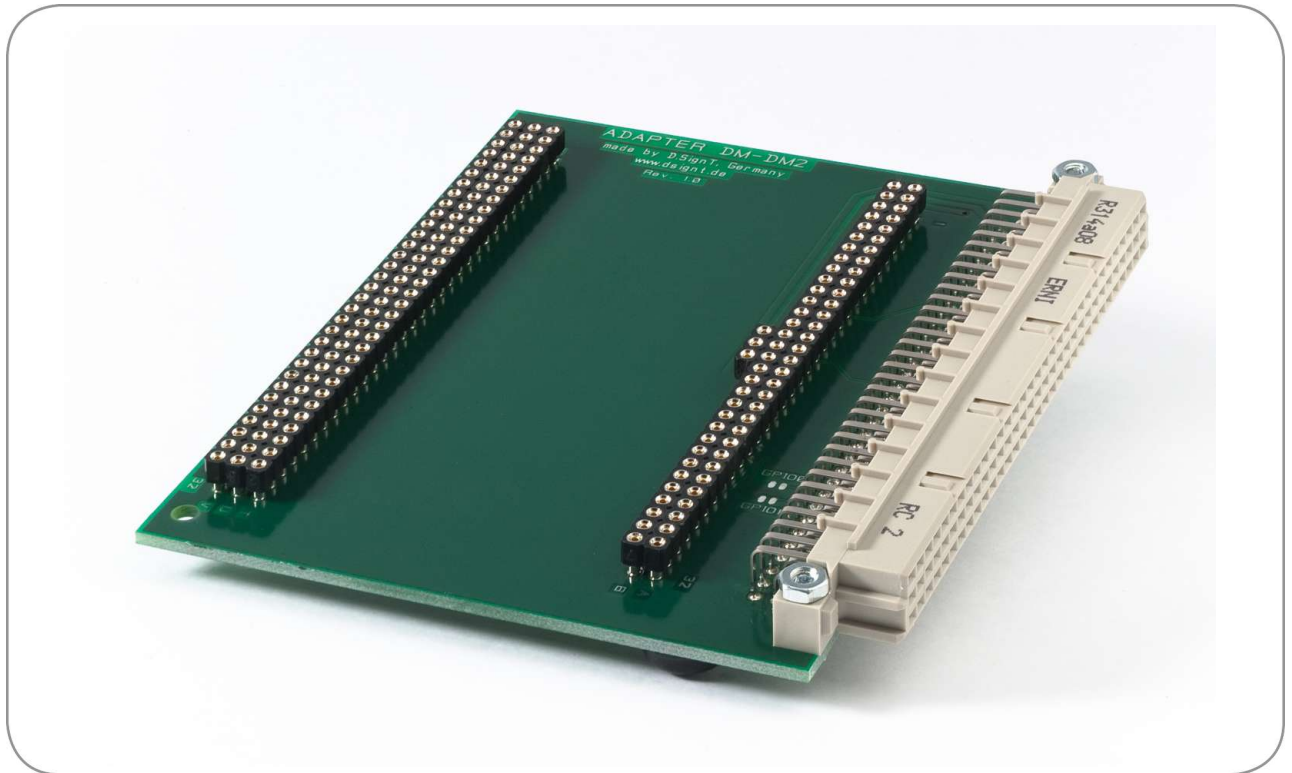


Adapter SON.DM-DM2

Adapter Board



The SON.DM-DM2 adapter board is used with the D2.Base baseboard to connect a D.Module peripheral board to a D.Module2 processor and/or FPGA board. It routes the power supply rails, a 16-bit data bus, address and control lines, and two synchronous serial ports from the D2.Base VG96 connector to a D.Module site.

The following D.Module peripheral boards are supported:

- D.Module.ADDA12-MUX
- D.Module.ADDA16
- D.Module.AD7722
- D.Module.PCM3003

Routing

Signal	D2.Base VG-96 pin	D.Module site pin
D[31:16]	c9, a9, c10, a10, c11, a11, c12, a12, c13, a13, c14, a14, c15, a15, c16, a16	U[30:15]
A[19:16]	c18, a18, c19, a19	A14, V[14:12]
A[5:0]	c20, a20, c21, a21, c22, a22	U[14:9]
IOSEL_N	a24	U8
MEMSEL_N	c24	V31
RD_N	a25	U2
WR_N	c25	U5
INT[1,0]_N	c27, a27	U[4,3]
RESOUT_N	c26	U7
WAIT_N	a26	A10
BUSCLK	a28	U6
DATR0, CLKR0, FSR0	a6, a5, a4	A26, A27, A28
DATX0, CLKX0, FSX0	c6, c5, c4	A29, A30, A31
DATR1, CLKR1, FSR1	a3, a2, a1	B26, B27, B28
DATX1, CLKX1, FSX1	c3, c2, c1	B29, B30, B31
VCC (3.3V)	a29, b29, c29	A1
GND (0V)	a30, b30, c30, a23, b23, c23, a17, b17, c17, a7, b7, c7	B1, A32, T32, V32
AVCC+	c32	C17
AVCC-	a31, b31, c31	C16
AGND	a32	C15
GPIO[1,0] – TIMER[1:0]	c8, a8 (via solder jumper)	A22, A21 (via solder jumper)

Ordering Information

SON.DM-DM2 Adapter Board



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