

PC-I2C/SPI/GPIO Interface Adapter DLN-1

Connectors and Jumpers

The DLN-1 board is equipped with 3 connectors used to connect user peripherals. Signals, ground and 3.3 V power lines are output on each of the connectors.

J2 Connector

Pin # ¹	GPIO Pin	Additional Functionality
1	3V3	
2	5V	
3	GND	
4	GND	
5	A.1 (1) ²	I2C_SCL
6	A.0 (0)	I2C_SDA
7	A.3 (3)	
8	A.2 (2)	
9	A.5 (5)	
10	A.4 (4)	
11	A.7 (7)	
12	A.6 (6)	
13	B.1 (9)	
14	B.0 (8)	PLS_CNT0
15	B.3 (11)	
16	B.2 (10)	
17	B.5 (13)	
18	B.4 (12)	
19	B.7 (15)	
20	B.6 (14)	

¹ The physical connector pin number.

² The A.1 means Pin 1 of the Port A and the number in () means the number of GPIO pin which can be used in software.

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J3 Connector

Pin #	GPIO Pin	Additional Functionality
1	3V3	
2	5V	
3	GND	
4	GND	
5	C.1 (17)	
6	C.0 (16)	
7	C.3 (19)	
8	C.2 (18)	
9	C.5 (21)	
10	C.4 (20)	
11	C.7 (23)	SPI_MISO
12	C.6 (22)	SPI_MOSI
13	D.1 (25)	SPI_SS0
14	D.0 (24)	PWM0
15	D.3 (27)	SPI_SCK
16	D.2 (26)	ADC0
17	D.5 (29)	ADC1
18	D.4 (28)	ADC2
19	D.7 (31)	ADC3
20	D.6 (30)	

J4 Connector

Pin #	GPIO Pin	Additional Functionality
1	A.0 (0)	I2C_SDA
2	GND	
3	VCC	
4	A.1 (1)	I2C_SCL

JP1 - Bootloader Jumper

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Graphical View

