



U4
ATMEGA328P-AU

4	VCC	(PCINT0/CLK0/ICP1)PB0	12	D8
6	VCC	(PCINT1/OC1A)PB1	13	D9
18	AVCC	(PCINT2/OC1B/S5)PB2	14	D10
20	AREF	(PCINT3/OC2A/MOSI)PB3	15	D11_MOSI
21	GND	(PCINT4/MISO)PB4	16	D12_MISO
22	GND	(PCINT5/SCK)PB5	17	D13_SCK
7	AVR_XTAL1	(PCINT6/XTAL1/TOSC1)PB6	7	AVR_XTAL1
8	AVR_XTAL2	(PCINT7/XTAL2/TOSC2)PB7	8	AVR_XTAL2
23	A0	(PCINT8/ADC0)PC0	23	A0
24	A1	(PCINT9/ADC1)PC1	24	A1
25	A2	(PCINT10/ADC2)PC2	25	A2
26	A3	(PCINT11/ADC3)PC3	26	A3
27	A4	(PCINT12/SDA/ADC4)PC4	27	A4
28	A5	(PCINT13/SCL/ADC5)PC5	28	A5
29	AVR_RST	(PCINT14/RESET)PC6	29	AVR_RST
30	AVR_RX	(PCINT16/RXD)PD0	30	AVR_RX
31	AVR_TX	(PCINT17/TXD)PD1	31	AVR_TX
32	D2	(PCINT18/INT0)PD2	32	D2
1	D3	(PCINT19/OC2B/INT1)PD3	1	D3
2	D4	(PCINT20/XCK/T0)PD4	2	D4
9	D5	(PCINT21/OC0B/T1)PD5	9	D5
10	D6	(PCINT22/OC0A/AINO)PD6	10	D6
11	D7	(PCINT23/AIN1)PD7	11	D7

J9
X1

14	SC_RELAY2
15	SC_RELAY3
16	SC_RELAY1
17	SC_DIR_Y
18	SC_STEP_Z
19	SC_DIR_Z
20	SC_STEP_X
21	SC_DIR_X
22	SC_STEP_4
23	SC_LENGTH
24	SC_STOP
25	SC_REF_XYZ
26	SC_VCC_5V

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