



The diagram illustrates the pin connections for the ATmega328P microcontroller. It includes connections for JP1, JP2, and the three 8-bit I/O ports: PORTA, PORTB, and PORTC. Each port is shown with its 8 pins and their corresponding microcontroller pin numbers and names.

Component	Pin	Microcontroller Pin	Label
JP1	2	2	RAW
	1	1	GND
JP2	1	1	3.3V
	2	2	GND
PORTA	1	1	PA0
	2	2	PA1
	3	3	PA2
	4	4	PA3
	5	5	PA4
	6	6	PA5
	7	7	PA6
	8	8	PA7
PORTB	1	1	PB0
	2	2	PB1
	3	3	PB2
	4	4	PB3
	5	5	PB4
	6	6	PB5
	7	7	PB6
	8	8	PB7
PORTC	1	1	PC0
	2	2	PC1
	3	3	PC2
	4	4	PC3
	5	5	PC4
	6	6	PC5
	7	7	PC6
	8	8	PC7

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