Omniduino Hardware manual

Core controller model：ATMEGA328P		
Pins	**Corresponding component**	**Remarks**
A0	Infrared avoid sensor L2	Read the value of the infrared sensor
A1	Infrared avoid sensor R2	
A2	Infrared avoid sensor R1	
A3	Infrared avoid sensor L1	
A4/SDA	MPU6050-SDA、PCA9685PW-SDA	I2C--SDA
A5/SCL	MPU6050-SCL、PCA9685PW-SCL	I2C--SCL
A6	no connect	
A7	Infrared avoid sensor Mid	Read the value of the infrared sensor
D0/RX	Serial port RX	
D1/TX	Serial port TX	
D2	MPU6050-INT	MPU6050 Interrupt pin
D3	no connect	
D4	no connect	
~D5	LED9	control LED9 status
~D6	no connect	
D8	ButTon K1	Press-low level release-high level
~D9	WS2812 programming light	Control RGB light
D10	Passive buzzer	Control buzzer
D7	PS2-CS/SEL	PS2 handle interface
D11/MOSI	PS2-DO/CMD	
D12/MISO	PS2-DI/DAT	
D13/SCK	PS2-CLK	
PCA9685PWM controlled component pins		
Pins	**Function**	**Remarks**
0~6	no connect	
7	servo angle	0~180
8	M4 motor forward	Right rear motor
9	M4 motor Reserve	
10	M3 motor forward	Right front motor
11	M3 motor Reserve	
12	M1 motor Reserve	Left front motor
13	M1 motor forward	
14	M2 motor Reserve	Left rear motor
15	M2 motor forward	