

MCU peripherals	Connector	Driver/remarks
Timer 0 (8-bit)	n/a	
Timer 1	n/a	display.c + hc_sr04.c
Timer 2 (8-bit)	n/a	tone.c
Timer 3	n/a	periodic_task.c
Timer 4	J8-2	
Timer 5	J14	
USART 0	USB	PC_Comm.c
USART 1	J14	RXD occupied by pir.c
USART 2	J5 (ESP-01)	wifi.c
USART 3	J13	
SPI	J9 (ADXL345)	adxl345.c
TWI	J13	
ADC15	J4 (Light)	light.c
ADC14	J9 (ADXL345)	Pin occupied by adxl345
ADC13	J9 (ADXL345)	Pin occupied by adxl345
ADC12	J10	
ADC11	J10	
ADC10	J10	
ADC9	J10	
ADC8	J10	soil.c (Soil Moisture Sensor)