

Component	STM32F4 Pin	Peripheral Pin	Function
OLED (SSD1306)	5V	VCC	Power Supply
	GND	GND	Ground
	PB7	SDA	Data Line (I2C)
	PB6	SCL	Clock Line (I2C)
GSM SIM868	GND	GND	Ground
	PC10	TX	Transmit (UART)
	PC11	RX	Receive (UART)
RC522 RFID	3.3V	VCC	Power Supply
	PA8	RST	Reset (GPIO Output)
	PA6	MISO	Master In Slave Out (SPI)
	PA7	MOSI	Master Out Slave In (SPI)
	PA5	SCK	Serial Clock (SPI)
	PB0	NSS/CSP	Chip Select (SPI)
	GND	GND	Ground
SG90 Servo	PA0	Signal	PWM Signal (Servo Control)
	5V	VCC	Power Supply (5V)
	GND	GND	Ground