

Ultrasonic Sensor

HY-SRF05 Ultrasonic Sensor Module

Working Voltage : 5V

Static Current : <2mA

Output Signal : Electric frequency signal, high level 5V, low level 0V

Sensor angle : < 15 degrees

Detection distance (claimed) : 2cm - 450cm

Input trigger signal : 10us TTL impulse

Echo signal : output TTL PWL signal

Pins : 1. VCC

2. trig(T)

3. echo(R)

4. OUT

5. GND

5-way Sensor Infrared Line Tracking

TCRT5000L

Working Voltage : 3.3 - 5V

Static Current : 1mA

Detector type : phototransistor

Detection distance (claimed) : 1cm - 1.5cm

Pins : 1. VCC

2. GND

3. OUT1-5

Photoelectric Sensor

Seasiant India Mini 38KHz IR Infrared Transmitter Module + IR Infrared Receiver Sensor Module for Arduino RPI STM32 Single Item.

IR receiver / IR receiver

Pin1 : +5V

Pin2: GND

Pin3: Digital Signal

RGB Colour Sensor

Color Recognition Sensor Module GY-33

Working voltage: 3 - 5V

Measuring range: RGB 0 - 255

Response Frequency : 10Hz

Weight : 5 g

Dimensions : Length : 25 mm

Width : 26 mm

Height : 13 mm

Pins : 1.VCC

2.GND

3.DR

4.CT

Servo

SG90 motor Servo

Modulation : Analog

Working Voltage : 4.8 - 6V

Speed : 4.8V : 0.12 sec/60°

Torque : 4.8V : 1.2 - 1.4kg/cm

Weight : 9 g

Dimension : Length : 23 mm

Width : 12.2 mm

Height : 29 mm

DC Motor

Gear Motor 3V - 12V

1. Voltage:3-12V
2. Speed:50-100RPM
3. Stall Torque: 3kg.cm
4. Low noise,low current no spark
5. Motor with encoder,16 pulse signal
6. Reduction Ratio:35-288
7. size:20*65 mm,just 65.0 mm length mini motor

UNO R3

Microcontroller : ATmega328

Operating Voltage : 5V

Input Voltage (recommended) : 7-12V

Input Voltage (limits) : 6-20V

Digital I/O Pins 14 (of which 6 provide PWM output)

Analog Input Pins 6

DC Current per I/O Pin 40 mA

DC Current for 3.3V Pin 50 mA

Flash Memory : 32 KB of which 0.5 KB used by bootloader

SRAM 2 KB EEPROM 1 KB

Clock Speed : 16 MHz

Battery

ถ่าน AA 1.5 V