Working Voltage: 3.3V DC

Working Current: 80mA

Description: ESP32 is a powerful Wi-Fi and Bluetooth module that can be used for IoT applications, among other things.

Approximated Price: $3 to $6

Working Voltage: 3.3V DC

Working Current: 80mA

Description: ESP8266 is a Wi-Fi module that can be used for IoT applications, among other things.

Approximated Price: $1 to $3

Working Voltage: 2.4V DC to 5.5V DC

Working Current: 1.4mA

Description: AHT10 is a digital temperature and humidity sensor module that can be used for environmental monitoring applications.

Approximated Price: $1 to $3

Working Voltage: 1.8V DC to 3.6V DC

Working Current: 500µA

Description: AHT20 is a high-accuracy digital temperature and humidity sensor module that can be used for environmental monitoring applications.

Approximated Price: $1 to $3

Working Voltage: 1.62V DC to 3.6V DC

Working Current: 400µA

Description: AHT21 is a high-accuracy digital temperature and humidity sensor module that can be used for environmental monitoring applications.

Approximated Price: $1 to $3

Working Voltage: 2.4V DC to 5.5V DC

Working Current: 1.4mA

Description: AHT25 is a digital temperature and humidity sensor module that can be used for environmental monitoring applications.

Approximated Price: $1 to $3

Working Voltage: 3.3V DC

Working Current: 1.8mA

Description: BME280 is a digital temperature, humidity, and pressure sensor module that can be used for environmental monitoring applications.

Approximated Price: $2 to $5

Working Voltage: 1.8V DC to 3.6V DC

Working Current: 2.7µA

Description: BMP260 is a digital barometric pressure sensor module that can be used for environmental monitoring applications.

Approximated Price: $1 to $3

Working Voltage: 1.2V DC to 37V DC

Working Current: 1.5A

Description: LM317 is a linear voltage regulator module that can be used to regulate DC voltage levels.

Approximated Price: $1 to $3

Working Voltage: 3V DC to 5.5V DC

Working Current: 1mA

Description: DS18B20 is a digital temperature sensor module that can be used for environmental monitoring applications.

Approximated Price: $1 to $3

Working Voltage: 5V DC

Working Current: N/A

Description: MB102 is a power supply module that can be used to supply power to a breadboard or other circuit.

Approximated Price:

Working Voltage: 5V DC

Working Current: N/A

Description: MB102 is a power supply module that can be used to supply power to a breadboard or other circuit.

Approximated Price: $1 to $3

Working Voltage: 400V

Working Current: 10A

Description: IRF740 is an N-channel power MOSFET that can be used for high-power switching applications.

Approximated Price: $1 to $3

Working Voltage: 100V

Working Current: 14A

Description: IRF530 is an N-channel power MOSFET that can be used for high-power switching applications.

Approximated Price: $1 to $3

Working Voltage: 12V DC

Working Current: 100mA

Description: WS78L12 is a linear voltage regulator module that can be used to regulate DC voltage levels.

Approximated Price: $0.50 to $1

Working Voltage: 45V

Working Current: 100mA

Description: BC547 is a general-purpose NPN transistor that can be used for amplification or switching applications.

Approximated Price: $0.10 to $0.50

Working Voltage: 45V

Working Current: 100mA

Description: BC557 is a general-purpose PNP transistor that can be used for amplification or switching applications.

Approximated Price: $0.10 to $0.50

Working Voltage: 4V DC to 30V DC

Working Current: 60µA

Description: LM35 is an analog temperature sensor module that can be used for environmental monitoring applications.

Approximated Price: $0.50 to $1

Working Voltage: ±18V DC

Working Current: 2.8mA

Description: TL081 is a general-purpose operational amplifier module that can be used for amplification or signal conditioning applications.

Approximated Price: $0.50 to $1

Working Voltage: ±18V DC

Working Current: 2.8mA

Description: TL082 is a dual general-purpose operational amplifier module that can be used for amplification or signal conditioning applications.

Approximated Price: $0.50 to $1

Working Voltage: 2V DC to 6V DC

Working Current: 80µA

Description: 74HC595 is an 8-bit serial-in, parallel-out shift register module that can be used for digital signal processing applications.

Approximated Price: $0.50 to $1

Working Voltage: 3.3V DC

Working Current: 200mA

Description: GME12864-52 is a graphical LCD display module that can be used for displaying graphical user interfaces.

Approximated Price: $5 to $10

Working Voltage: 12V DC

Working Current: 20mA

Description: SRD-12VDC-SL-C is a general-purpose electromagnetic relay module that canbe used for switching high-power loads.

Approximated Price: $1 to $3

Working Voltage: 125V AC

Working Current: 5A

Description: FL-3FF-S-Z is a general-purpose micro switch module that can be used for sensing or control applications.

Approximated Price: $0.50 to $1

Working Voltage: 4.8V DC to 6V DC

Working Current: 100mA

Description: SG90 is a small servo motor module that can be used for positioning or control applications.

Approximated Price: $2 to $5

Working Voltage: 5V DC

Working Current: 150mA

Description: 28BYJ-48 is a small stepper motor module that can be used for positioning or control applications.

Approximated Price: $1 to $3

Working Voltage: 5V DC to 12V DC

Working Current: 100mA

Description: ULN2003A is a Darlington transistor array module that can be used for driving stepper motors or other high-current loads.

Approximated Price: $0.50 to $1

Working Voltage: 4.8V DC to 7.2V DC

Working Current: 500mA

Description: MG996R is a high-torque servo motor module that can be used for positioning or control applications.

Approximated Price: $5 to $10

Working Voltage: 5V DC

Working Current: 15mA

Description: HC-SR04 is an ultrasonic distance sensor module that can be used for measuring distances.

Approximated Price: $1 to $3

Working Voltage: 5V DC

Working Current: 40mA

Description: KY-038 is a sound sensor module that can be used for detecting sound levels.

Approximated Price: $1 to $3

Working Voltage: 5V DC

Working Current: 1mA

Description: GXHT30 is a humidity and temperature sensor module that can be used for environmental monitoring applications.

Approximated Price: $1 to $3

Working Voltage: 3V DC to 5V DC

Working Current: 1mA

Description: DTH11 is a temperature and humidity sensor module that can be used for environmental monitoring applications.

Approximated Price: $1 to $3

Working Voltage: 3V DC to 5V DC

Working Current: 1mA

Description: DTH22 is a temperature and humidity sensor module that can be used for environmental monitoring applications.

Approximated Price: $2 to $5

Working Voltage: 5V DC

Working Current: 50µA

Description: HC-SR501 is a passive infrared motion sensor module that can be used for detecting motion.

Approximated Price: $1 to $3

Working Voltage: 5V DC

Working Current: 15mA

Description: F068A-01 is a carbon monoxide gas sensor module that can be used for detecting CO levels.

Working Voltage: 3V DC to 5V DC

Working Current: 1mA

Description: TEMT6000 is a light sensor module that can be used for detecting light levels.

Approximated Price: $1 to $3

Working Voltage: 3V DC to 5V DC

Working Current: 10mA

Description: TCS230 is a color sensor module that can be used for detecting colors.

Approximated Price: $3 to $7

Working Voltage: 3.6V DC to 6V DC

Working Current: 30mA

Description: HC-05 (ZS-040) is a Bluetooth module that can be used for wireless communication.

Approximated Price: $3 to $7

Working Voltage: 3.3V DC to 5V DC

Working Current: 3.9mA

Description: GY-521 MPU-6050 is a 6-DOF (degree of freedom) IMU (Inertial Measurement Unit) module that can be used for measuring motion and orientation.

Approximated Price: $2 to $5

Working Voltage: 3.3V DC to 5V DC

Working Current: 70mA

Description: OV2640 is a camera module that can be used for capturing images and videos.

Approximated Price: $5 to $15

Working Voltage: 3V DC to 5V DC

Working Current: 0.3mA

Description: GY-302 BH1750 BH1750FVI is a light intensity sensor module that can be used for measuring ambient light levels.

Approximated Price: $1 to $3

Working Voltage: 3.3V DC to 5V DC

Working Current: 19mA

Description: SCD40 is a CO2 sensor module that can be used for measuring CO2 levels in the air.

Approximated Price: $40 to $60

Working Voltage: 1.8V DC to 5V DC

Working Current: 0.6mA

Description: BMP280 is a temperature and pressure sensor module that can be used for measuring temperature, atmospheric pressure, and altitude.

Approximated Price: $2 to $5

Working Voltage: 3V DC to 5V DC

Working Current: 5mA

Description: GY-MAX4466 is an amplifier module that can be used for amplifying sound signals.

Approximated Price: $2 to $5

Working Voltage: 1.8V DC to 3.6V DC

Working Current: 1.25mA

Description: MH-ET I2S INMP441 MEMS is a microphone module that can be used for capturing sound signals.

Approximated Price: $5 to $10

Working Voltage: 2.8V DC to 5V DC

Working Current: 20mA

Description: ST7735 is an LCD display module that can be used for displaying text and graphics.

Approximated Price: $2 to $5

Working Voltage: 5V DC

Working Current: 5mA

Description: CH340C is a USB to serial converter module that can be used for serial communication between a computer and microcontroller.

Approximated Price: $0.5 to $1

Working Voltage: 5V DC

Working Current: 5mA

Description: CH340G is a USB to serial converter module that can be used for serial communication between a computer and microcontroller.

Approximated Price: $0.5 to $1

Working Voltage: 3V DC to 5V DC

Working Current: 1mA

Description: GXHT30 is a humidity and temperature sensor module that can be used for measuring humidity and temperature.

Approximated Price: $1 to $3

Working Voltage: 5V DC

Working Current: 10mA

Description: PL2303HX STC is a USB to serial converter module that can be

Working Voltage: 1.8V to 3.6V

Working Current: < 1mA

Description: This MEMS microphone module uses INMP441, which is an omnidirectional MEMS microphone with a flat frequency response, making it ideal for voice recognition applications.

Working Voltage: 3.3V

Working Current: -

Description: This is a 1.8" color TFT display with a resolution of 128x160 pixels. It uses the ST7735 driver chip and is compatible with Arduino.

Working Voltage: 5V

Working Current: -

Description: This is a USB to serial converter module based on the CH340C chip. It is commonly used for programming and communicating with microcontrollers.

Working Voltage: 5V

Working Current: -

Description: This is a USB to serial converter module based on the CH340G chip. It is commonly used for programming and communicating with microcontrollers.

Working Voltage: 2.1V to 3.6V

Working Current: < 0.5mA

Description: This is a humidity and temperature sensor module based on the GXHT30 sensor. It has a measurement range of 0% to 100% RH and -40°C to 125°C. It is commonly used in HVAC and weather monitoring applications.

Working Voltage: 5V

Working Current: -

Description: This is a USB to serial converter module based on the PL2303HX STC chip. It is commonly used for programming and communicating with microcontrollers.

Working Voltage: 3V to 5.5V

Working Current: < 1mA

Description: This is a digital temperature sensor with a measurement range of -55°C to 125°C. It communicates over a 1-wire interface, making it easy to use with microcontrollers.

Working Voltage: 2.7V to 5.5V

Working Current: -

Description: This is an 8-bit AVR microcontroller with 8KB of flash memory, 512 bytes of SRAM, and 512 bytes of EEPROM. It is commonly used in small projects where a full-size microcontroller is not needed.

Working Voltage: 3.3V to 5V

Working Current: < 14mA

Description: This is a wireless transceiver module based on the NRF24L01 chip. It operates at 2.4GHz and has a range of up to 100 meters. It is commonly used in wireless communication projects.