V1

Below are links to the parts required to make the ESP32 Shutter Tester.

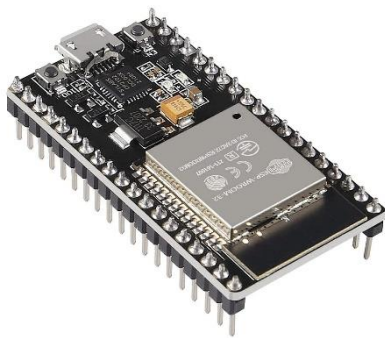Links are valid now, but of course could become dead in the future.

Links are (mainly) for UK suppliers and are a guide only. Use a supplier from your country.

Ordering from China either from eBay sellers or AliExpress, the parts will be much cheaper.

Note, often if buying from AliExpress, there is an express shipping option, if buying parts over a set value.
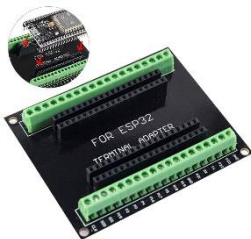
ESP32 NodeMcu board (38 pin version)
NodeMcu ESP32 WROOM-32 38 pins Development Board Dual Core WLAN WiFi Bluetooth | eBay

ESP32 prototype/breakout board (38 pin screw-terminal version)

38 Pin ESP32 Breakout Board For ESP32 Development Board 2.4 GHz Wifi Dual | eBay

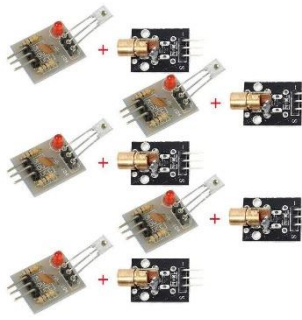Laser tx & rx module. Two pairs required (2 of tx & 2 of rx). The sensor is supplied loose. ENSURE YOU INSERT IT THE CORRECT WAY ROUND!!!. Little bubble lens points towards the header pins.
Note:- link is for a China supplied pack of 5 pairs. UK prices are far too high, I could not find a reasonably priced tx & rx pair in the UK when compiling this list.
Laser Receiver Sensor and KY-008 Transmitter Module Pair Set 10pcs for Arduino | eBay
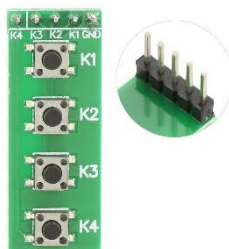
LCD. Ensure you get a module that includes the IIC or i2C module. You can save money and not buy the LCD. The code also prints the results to the PC screen.

IIC/I2C/TWI 2004 20X4 Character LCD Module Display For Arduino Blue Serial 5056517066560 | eBay



Buttons. Only two buttons required for Arduino version, this has four. There are all sorts of buttons available, feel free to choose different ones depending on your final design.

4 Button Key Module Switch Keyboard Push Button Switch Board 7018965086109 | eBay



Dupont wires. Get the 30cm male to female ones, if using the screw terminal prototype board.
40PCS DUPONT JUMP WIRES M-F M-M F-F JUMPER BREADBOARD CABLES FOR DIY ARDUINO | eBay

10cm / 20cm / 30cm

M-M

M-F

F-F

Note, there are different versions of the ESP32, some with 30, others with 38 pins. Ensure you buy a ESP32 and breakout board that match.