



Parts List:

1x USB C 2.0 Connector | Power Supply & Programming (digikey.com/en/products/detail/molex/2137160001/13662558?)

1x AMS1117-3.3 | 5v to 3.3v (digikey.com/en/products/detail/evvo/AMS1117-3.3S/24370184)

– 2x Capacitor 10 µF | Smooth out the voltage (digikey.com/en/products/detail/panasonic-electronic-components/ECA-1JHG100/245177)

1x FT231XS-U | USB to Serial (digikey.com/en/products/detail/ftdi-future-technology-devices-international-ltd/FT231XS-U/3749471)

1x ESP32-WROOM-32 | The MCU (digikey.com/en/products/detail/espressif-systems/ESP32-WROOM-32E-H4/12696515)

4x Green SMD LED | Player Num (digikey.com/en/products/detail/w-rth-elektronik/150060GS75000/4489896)

– 4x Resistor 510Ω | To make it pulldown (digikey.com/en/products/detail/yageo/RC1206FR-07510RL/731924)

2x Joystick | Either of these links:

– mouser.com/ProductDetail/SparkFun/COM-09032

– digikey.com/en/products/detail/sparkfun-electronics/COM-09032/6823623

– digikey.com/en/products/detail/olimex-ltd/JOYSTICK-10K-CAP/21662613

14x Buttons | (digikey.com/en/products/detail/same-sky-formerly-cui-devices-/TS02-66-70-BK-160-LCR-D/15634243)

3x Right Angle Buttons | (https://www.digikey.com/en/products/detail/w-rth-elektronik/431256083716/5209066)

1x MCP23017-E/SP | 16 pin IO Expander (https://www.digikey.com/en/products/detail/microchip-technology/MCP23017-E-SP/894272)

– 2x Resistors 4.7kΩ | Pull up (digikey.com/en/products/detail/yageo/RC1206FR-074K7L/731834)

23x Resistors 0Ω | Bridging (https://www.digikey.com/en/products/detail/yageo/RC0603FR-130RL/12756408)

(lowkey get the parts from pcbway)