|  |
| --- |
| **MakePico ESP32-D0WD-Q6** |

|  |
| --- |
| **TTGO T-DISPLAY ESP32-D0WD-Q6**  **ST7789 240 x 135** |

|  |
| --- |
| **Rapberry Pi Pico (W) RP2040** |

|  |
| --- |
| **Lolin C3 mini ESP32-C3** |

|  |
| --- |
| **TM1640 16x8 LEDs** |

|  |  |  |  |
| --- | --- | --- | --- |
| **SSD1306 OLED 128x64 etc** | | | |
| **SDA** | **SCL** | **VCC** | **GND** |

|  |  |
| --- | --- |
| **TM1638 8-digit display + 8 buttons** | |
| **VCC** |  |
| **GND** |
| **STB** |
| **CLK** |
| **DIO** |

|  |  |
| --- | --- |
| **TM1637 6-digit display** | |
| **VCC** |  |
| **GND** |
| **DIO** |
| **CLK** |

|  |
| --- |
| **Teensy 4.1** |

|  |
| --- |
| **01Space RP2040-0.42 OLED** |

|  |
| --- |
| **01Space ESP32-C3-0.42 OLED** |

|  |
| --- |
| **Waveshare**  **RP2040-LCD-0.96 Pico**  **ST7735S 160x80 LCD** |

|  |
| --- |
| **TTGO T8 ESP32-D0WDQ6**  **ST7789V 240x135 LCD** |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **SSD1306 OLED 128x64** | | | | | | |
| **CS** | **DC** | **RES** | **SDA** | **SCK** | **VCC** | **GND** |

|  |  |
| --- | --- |
| **GND** | **PCA9685**  **LED/SERVO driver** |
| **OE** |
| **SCL** |
| **SDA** |
| **VCC** |
| **5V** |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Edge pins** | | | | | | |
| **GND** |  | **14** | **…** | **21** |  | **3.3V** |
| **P0** | **P7** |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **ST7735S color LCD 80x160** | | | | | | | |
| **BLK** | **CS** | **DC** | **RES** | **SDA** | **SCL** | **VCC** | **GND** |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | **CLK** | **CS** | **DIN** | **GND** | **VCC** |
| **MAX7219 LED matrix** | | | | | |

|  |  |
| --- | --- |
| **SDA** | **MRFC522**  **RFID**  **card reader** |
| **SCK** |
| **MOSI** |
| **MISO** |
| **IRQ** |
| **GND** |
| **RST** |
| **3.3V** |

|  |
| --- |
| **PCF8575 I/O**  **extender** |

|  |  |  |
| --- | --- | --- |
| **NRF24L01+** | **SDD1306**  **OLED** | **NRF24L01+** |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **VCC** | **DIN** | **GND** |  | **OUT** | **GND** | **5V** | **DIN** |
| **Neopixels** | | | | | | | |

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **GND** | **5V** | **Data** | **GND** | **Echo** | **Trigger** | **5V** | **GND** | **SI** | **CK** | **5V** |
| **Servo** | | | **SR04** | | | | **WS2801** | | | |

|  |  |
| --- | --- |
| **VCC** | **ST7735**  **1’44 SPI 128x128**  **V2.1** |
| **GND** |
| **CS** |
| **RST** |
| **A0** |
| **SDA** |
| **SCK** |
| **LED** |

|  |  |
| --- | --- |
| **LED** | **ST7789**  **1’44 SPI**  **128x128**  **(label 180x180)** |
| **CS** |
| **RS** |
| **RST** |
| **SDI** |
| **SCK** |
| **VCC** |
| **GND** |

|  |  |  |
| --- | --- | --- |
| **VCC** | **ST7789**  **240 \* 320** |  |
| **GND** |
| **CS** |
| **RESET** |
| **DC** |
| **SIO (MOSI)** | **SD\_CS** |
| **SCK** | **SD\_MISO** |
| **LED** | **SD\_MOSI** |
| **SDO (MISO)** | **SD\_CS** |
| **T\_CLK** |  |
| **T\_CS** |
| **T\_DIN** |
| **T\_DO** |
| **T\_IRQ** |

|  |
| --- |
| **Rapberry Pi Pico (W) RP2040** |

|  |
| --- |
| **Rapberry Pi Pico (W) RP2040** |

|  |
| --- |
| **Rapberry Pi Pico (W) RP2040** |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **CS** | **DC** | **RES** | **SDA** | **SCK** | **VCC** | **GND** |
| **SSD1309 OLED 128x64** | | | | | | |

|  |  |  |
| --- | --- | --- |
| **VCC** | **ST7789 240 \* 320** |  |
| **GND** |
| **CS** |
| **RESET** | **SD\_CS** |
| **DC** | **SD\_MISO** |
| **SIO (MOSI)** | **SD\_MOSI** |
| **SCK** | **SD\_CS** |
| **LED** |  |
| **SDO (MISO)** |

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **CS** | **RST** | **RS** | **SDA** | **SCLK** | **VCC** | **GND** | **LEDA** | **R\_CS** | **R\_SCK** | **R\_OUT** | **R\_IN** |
| **ST7567 128x64** | | | | | | | | | | | |

|  |  |
| --- | --- |
| **VCC** | **SED1283A**  **130 \* 130 1.6** |
| **GND** |
| **CS** |
| **RESET** |
| **A0/DC** |
| **SDA (MOSI)** |
| **SCK** |
| **LED** |

|  |  |
| --- | --- |
| **VCC** | **ST7789**  **120 \* 160 1.8** |
| **GND** |
| **CS** |
| **RESET** |
| **A0** |
| **SDA (MOSI)** |
| **SCK** |
| **LED** |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **GND** | **VCC** | **SCL** | **SDA** | **RES** | **DC** | **CS** |
| **ST7789 - 135 \* 240 1.14** | | | | | | |

|  |  |
| --- | --- |
| **VCC** | A close-up of a black square  Description automatically generated  **ST7789**  **240 \* 240 1.3** |
| **GND** |
| **CS** |
| **RESET** |
| **A0** |
| **SDA (MOSI)** |
| **SCK** |
| **LED** |

|  |  |
| --- | --- |
| **LEDA** | **ST7735**  **160 \* 128 1.77** |
| **CS** |
| **RS** |
| **RES** |
| **SDA** |
| **SCK** |
| **VCC** |
| **GND** |

|  |  |
| --- | --- |
| **CS** | A black rectangular object with white border  Description automatically generated  **ST7789**  **240 \* 320 2.0** |
| **DC** |
| **RST** |
| **SDA** |
| **SCL** |
| **VCC** |
| **GND** |

|  |  |
| --- | --- |
| **BLK** | **GC9A01**  **240 \* 240 32.4 mm** |
| **CS** |
| **DC** |
| **RES** |
| **SDA** |
| **SCL** |
| **VCC** |
| **GND** |

|  |  |  |
| --- | --- | --- |
|  | **ST7565 - 128 \* 64** |  |
| **VCC** | **GND** |
| **SCL** | **LED** |
| **SDA** | **CS** |
| **RS** | **RST** |
|  |  |

A close-up of a computer chip

Description automatically generated

A close-up of a computer chip

Description automatically generated

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **GND** | **P0** | **P1** | **P2** | **P3** | **P4** | **P5** | **P6** | **P7** | **3.3V** |

|  |
| --- |
| **ESP32-T** |

|  |
| --- |
| **WEMOS D1 mini ESP8266** |

|  |
| --- |
| **TTGO LORA32** |

|  |
| --- |
| **WEMOS S2 PICO** |

|  |
| --- |
| **HD44780** |

|  |
| --- |
| **LUATOS CORE-ESP32C3**  **AIR-101 ST7735 LCD** |