# QWERTY

SKU:A003



FACES
QWERTY

M5STACK

INT: G5
SCL: G22
SDA: G21

**MEGA328P**
Arduino Compatible
Full keyboard input

**I2C**
INTERFACE

## Description

QWERTY is a full-featured keyboard panel adapted to FACE_BOTTOM. There are 35 keys in total, and each key can be multiplexed by combination keys to output different characters.

The internal integration **MEGA328** processor, works in slave through I2C communication protocol (0x08) In computer mode, the "sym" and "Fn" function keys are used to switch between upper and lower gears, and the "aA" function key is used to switch between upper and lower case.

Click the corresponding function key and the indicator light is always on to activate single-character input. Double-click the indicator light to flash. Activate continuous input and click Resume again.

## Product Features

- I2C communication(0X08)
- Multi-function button multiplexing
- Input status indicator
- Development Platform UIFlow, MicroPython, Arduino

## Include

- 1x QWERTY panel

## Applications

- Data Entry
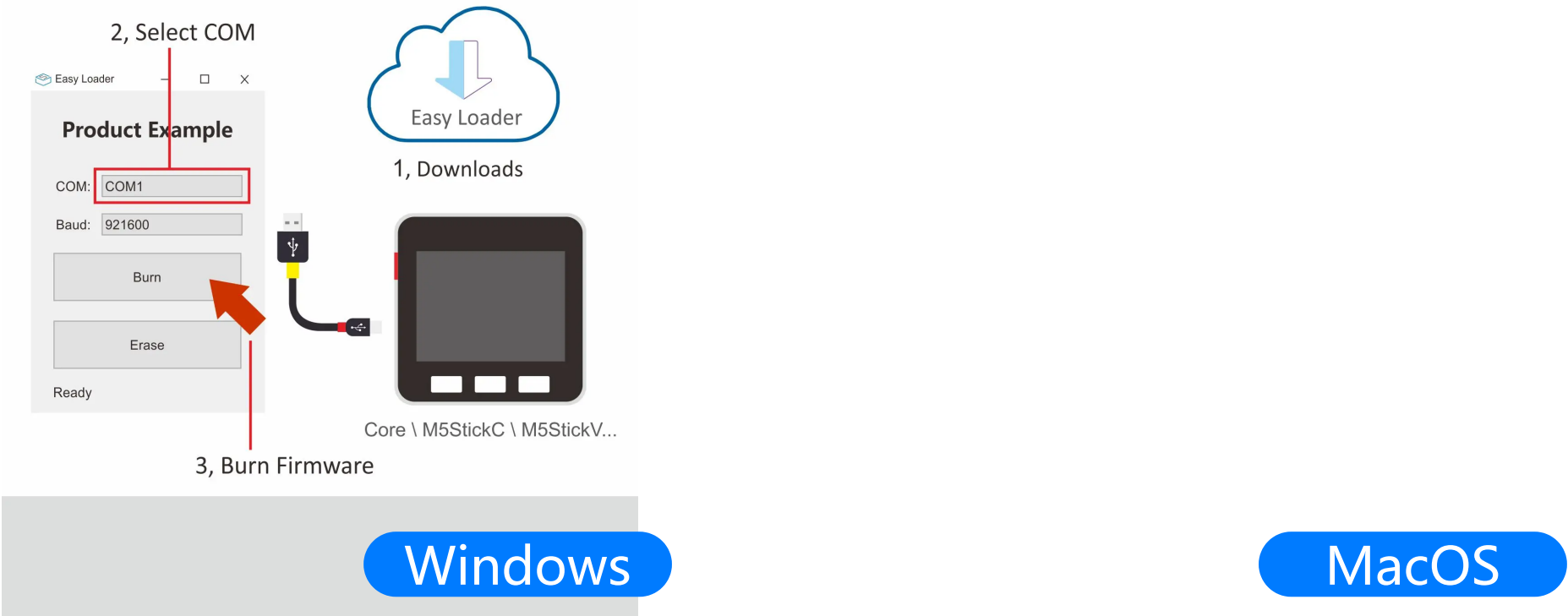- Human-computer interaction

## Specification

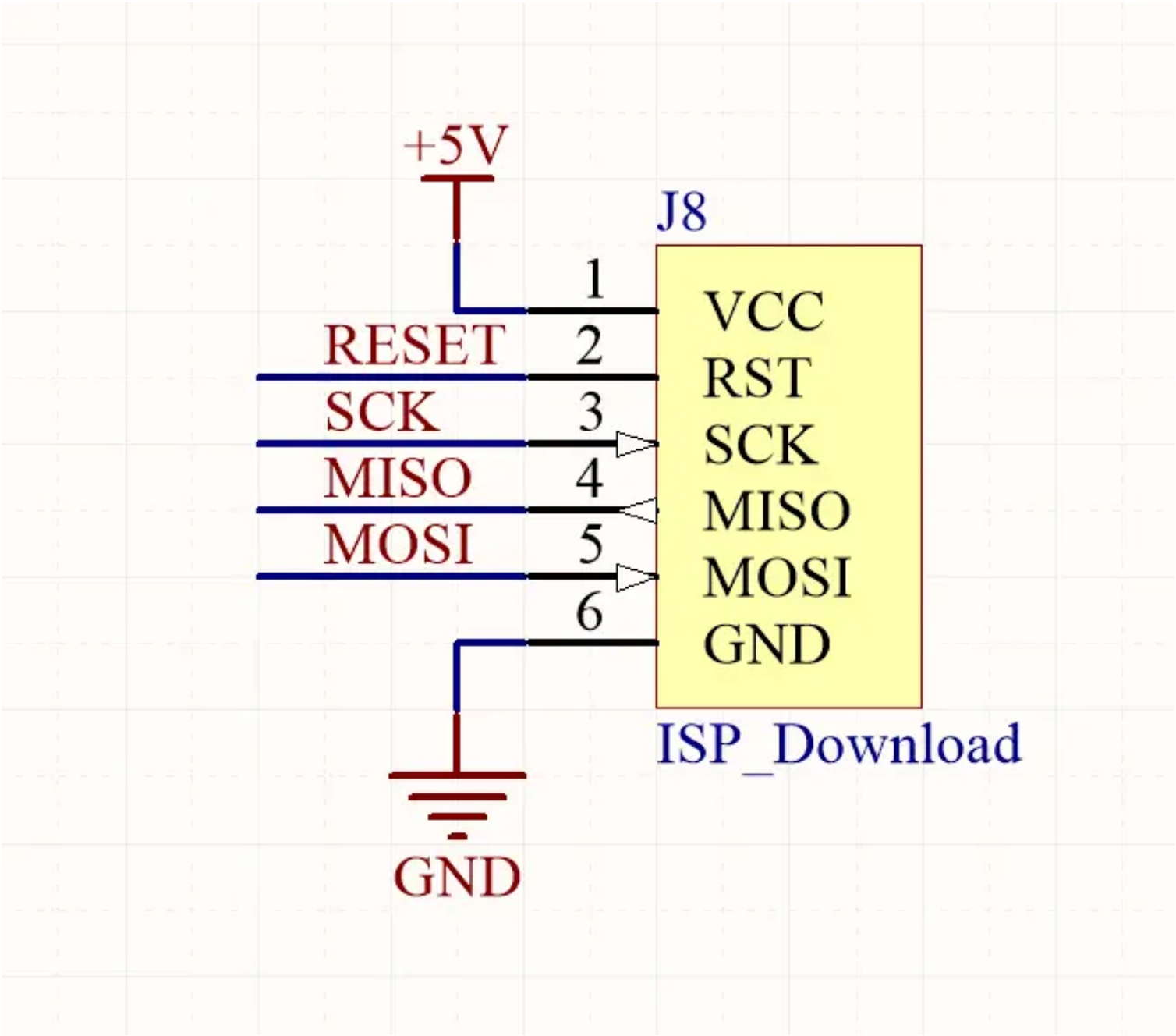| Resources | Parameter |
|---|---|
| Communication | I2C(0X08) |
| Button | QWERTY full-featured keyboard |
| Input status indicator | Blue LED *2 |
| Net weight | 21g |
| Gross weight | 41g |
| Product Size | 58.2mm x 54.2mm x 10.4mm |
| Package Size | 95mm x 65mm x 25mm |
| Case Material | Plastic ( PC ) |

# EasyLoader

EasyLoader is a concise and fast program writer, which has a built-in case program related to the product. It can be burned to the main control by simple steps to perform a series of function verification. Please install the corresponding driver according to the device type. M5Core host **Please click here to view the CP210X driver installation tutorial**, M5StickC/V/T/ATOM series can be used without driver)



Windows MacOS

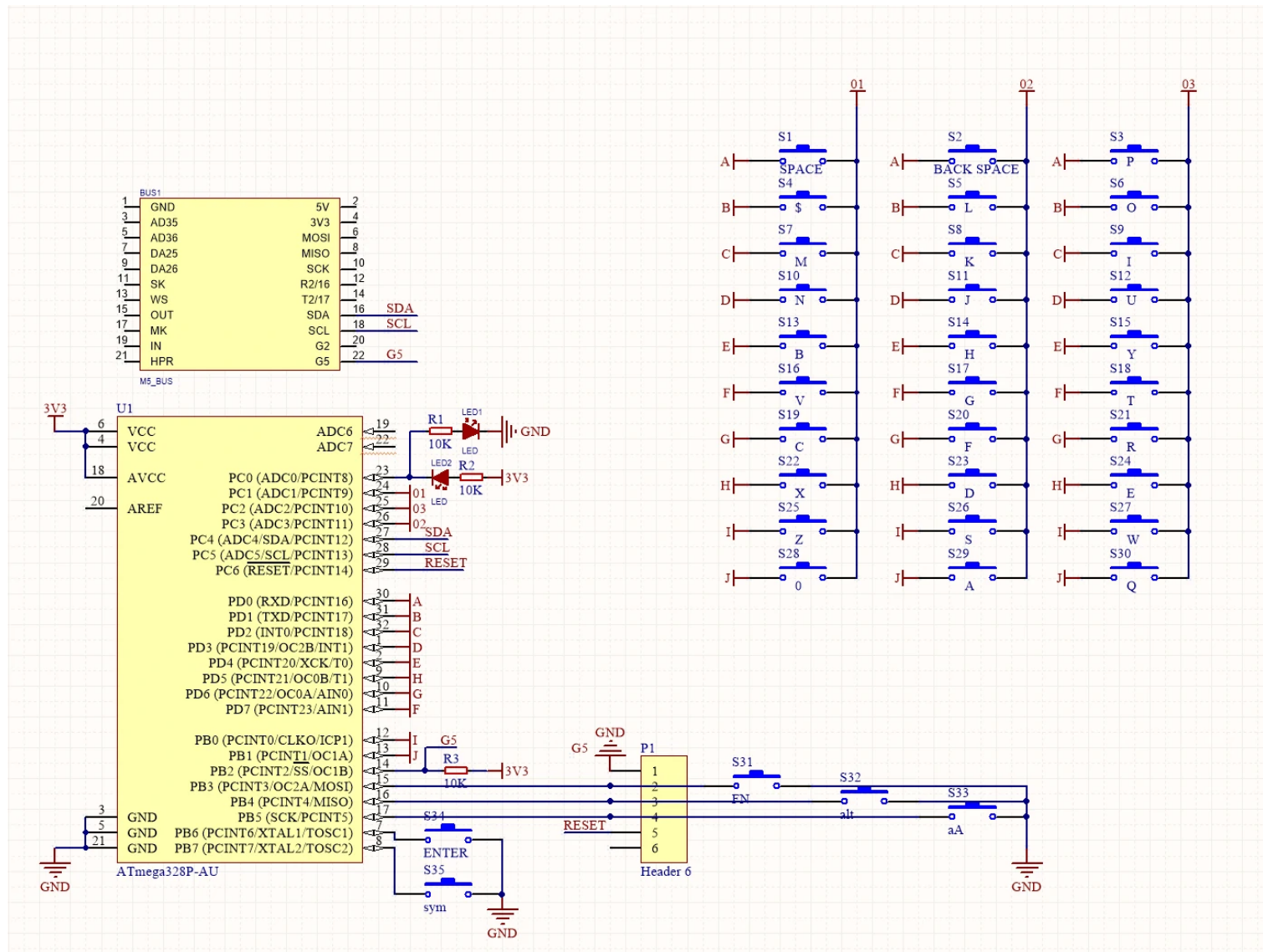# PinMap

**Mega328 ISP** Download interface pin definition



# Related Link

○ Ateml328P firmware

# Schematic

## Keyboard



# Example

## ArduinoIDE

- Click here to download to get Arduino example.

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