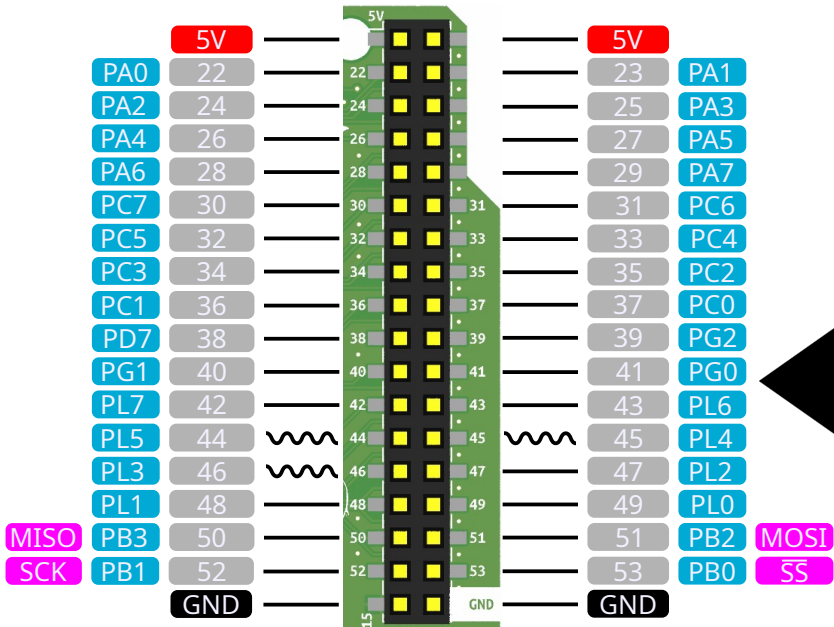


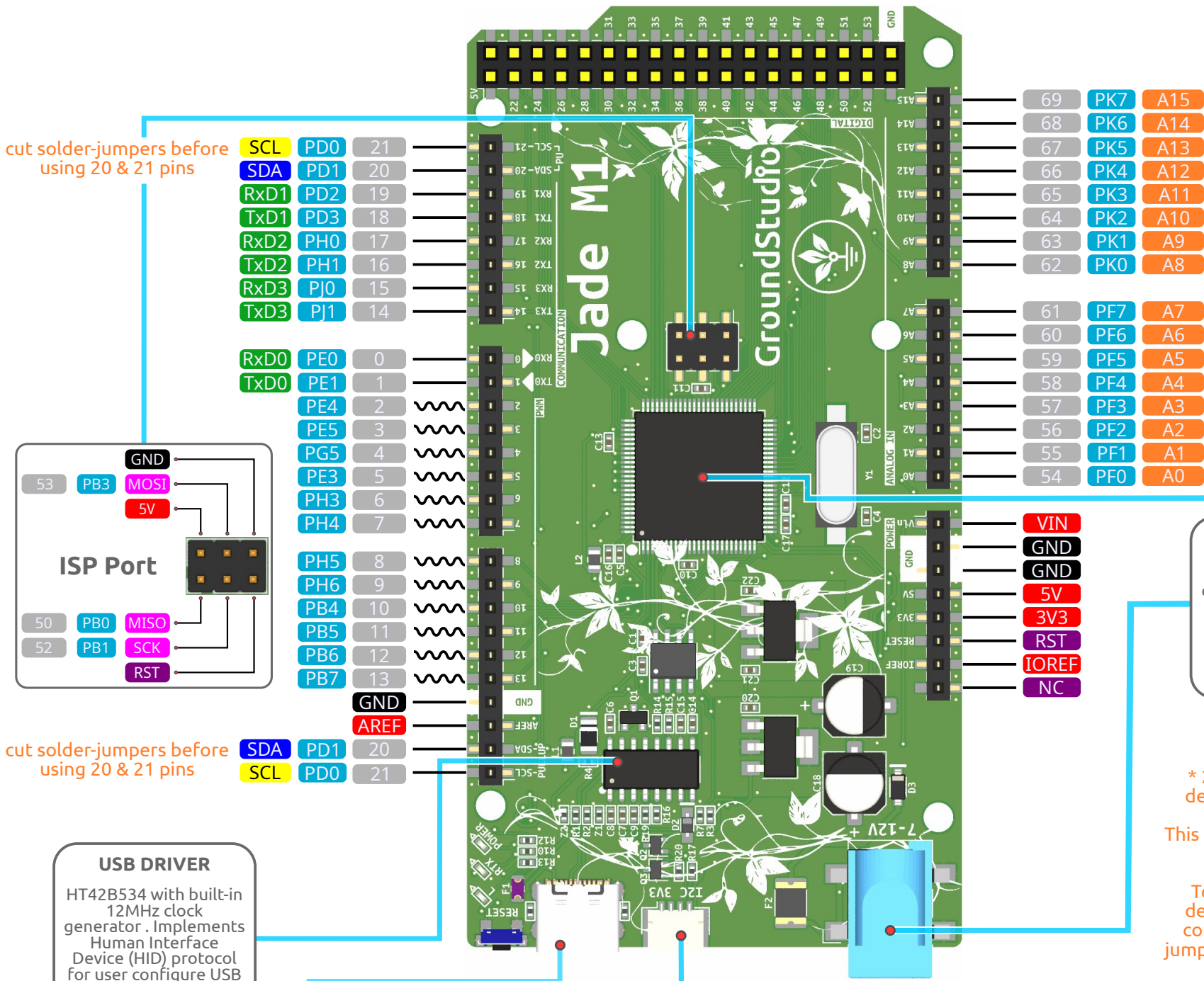
# GroundStudio Jade M1

ATMEGA2560 based development board with **256kBytes** of In-System Self-Programmable **Flash** program memory, **4kBytes** **EEPROM**, **8kBytes** Internal **SRAM**, **15 PWM** Channels, **70 Digital Pins** including **16 ADC Pins** with 10 bit Resolution



## COLOR DIAGRAM

- Digital Pin Number
- uController Pin
- ADC Channel
- SCL
- SDA
- SPI
- USART Pins
- Ground
- Power
- Others
- ~PWM Enabled Pin



## USB DRIVER

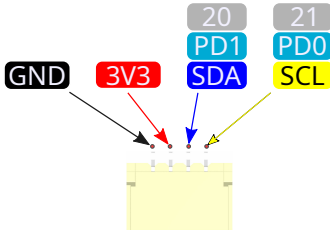
HT42B534 with built-in 12MHz clock generator. Implements Human Interface Device (HID) protocol for user configure USB VID, PID and device description strings

## USB C

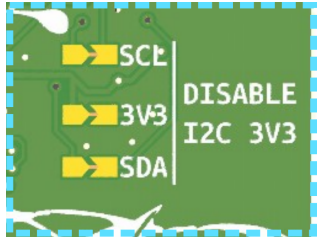
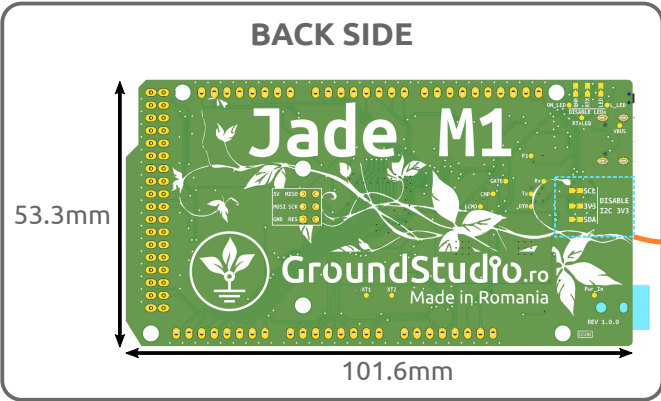
USB 2.0 type C for double-sided connection

## I2C 3V3

I2C SH adapter with 1.0mm pitch, Qwiic and StemmaQT compatible. 20 & 21 pins are constantly being pulled up for I2C 3V3 conversion



## BACK SIDE



GroundStudio.ro

Board: "GroundStudio Jade M1" WAMCMQ\_GS REV1.0.0

Credits: "Arduino Mega 2560 Rev3" by Arduino

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Pinout REV: 1