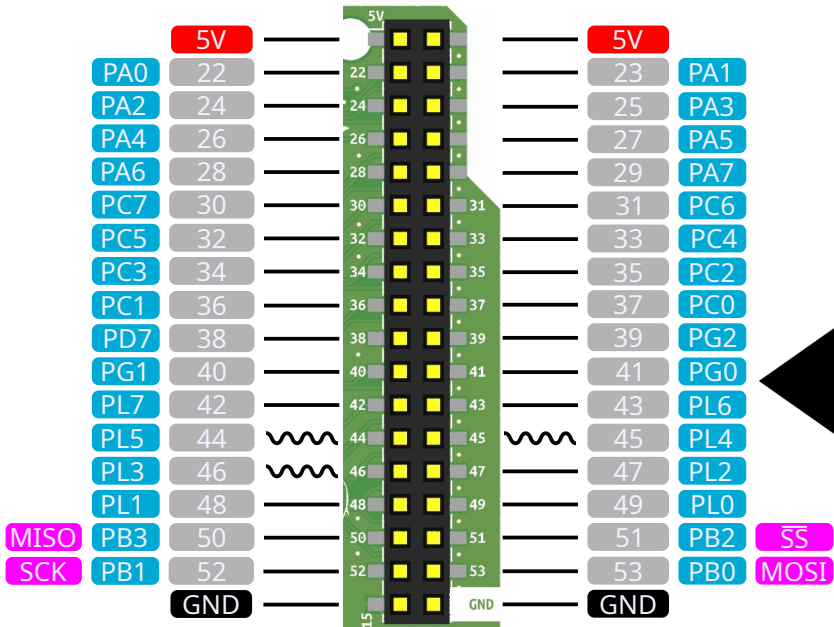


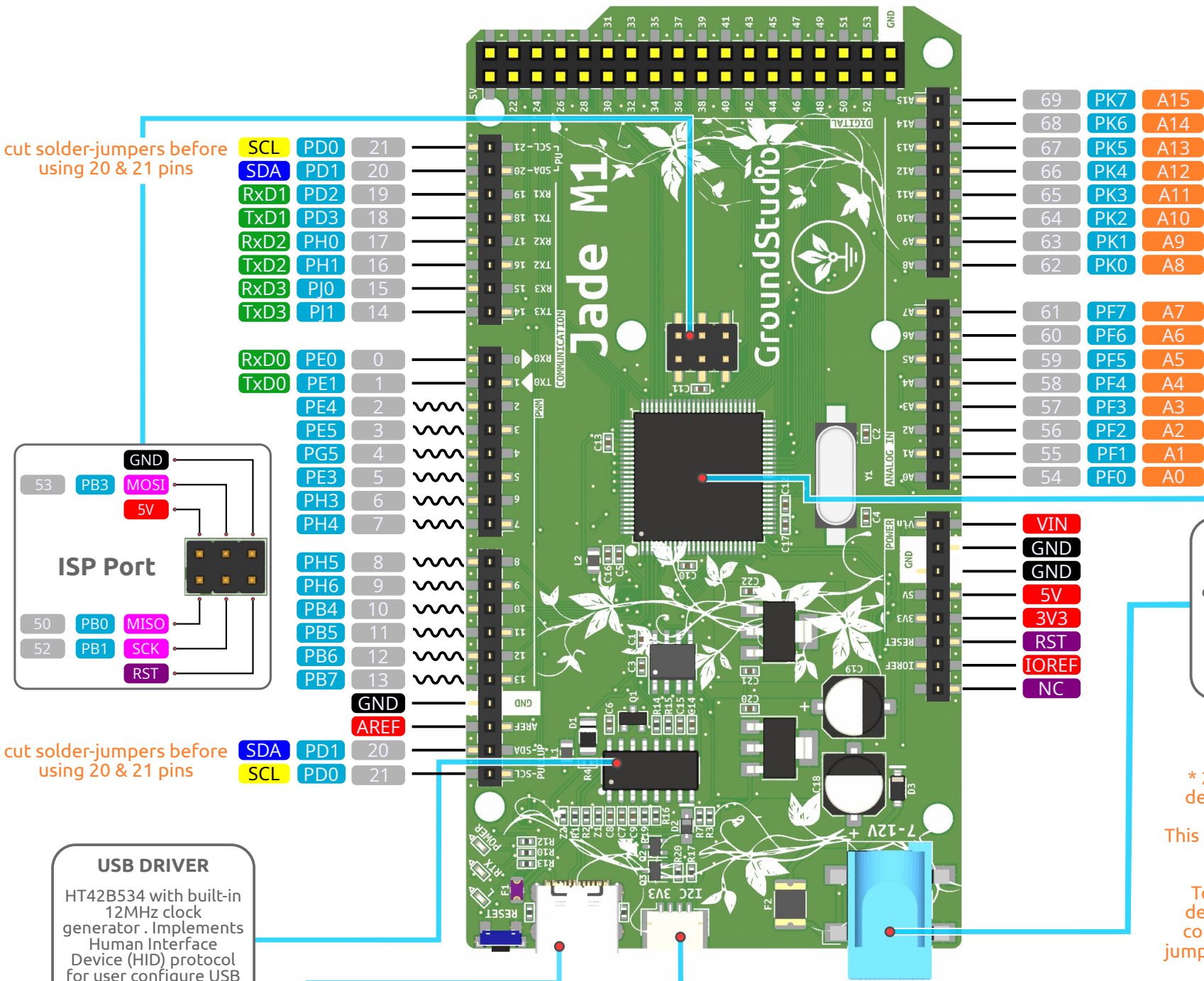
# GroundStudio Jade M1

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

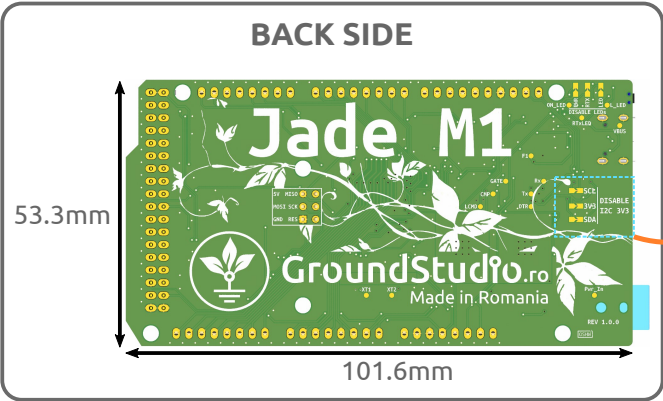
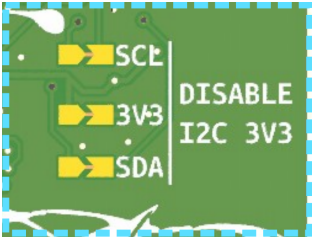
- Digital Pin Number
- uController Pin
- ADC Channel
- SCL
- SDA
- SPI
- USART Pins
- Ground
- Power
- Others
- ~PWM Enabled Pin



**ATMEGA2560**  
Widely popular ATmega2560 is a high-performance 8-Bit microcontroller with advanced RISC architecture

**POWER JACK**  
DC 5.5mm x 2.0mm power connector can receive 7V to 12V DC for the board power supply

\* 20 & 21 pins are pulled up by default for I2C 3V3 conversion.  
This will cause the pins to always be HIGH!  
To use 20 & 21 as regular pins detach them first from I2C 3V3 connector by cutting the solder jumpers on the backside of the pcb.



GroundStudio.ro

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

Credits: "Arduino Mega 2560 Rev3" by Arduino

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