Electronics Source

ARDUINO MEGA 2560 REV3

Code: A000067

Barcode: 7630049200067

OVERVIEW | TECH SPECS | DOCUMENTATION | FAQ

The **Arduino Mega 2560** is a microcontroller board based on the ATmega2560. It has 54 digital input/output pins (of which 15 can be used as PWM outputs), 16 analog inputs, 4 UARTs (hardware serial ports), a 16 MHz crystal oscillator, a USB connection, a power jack, an ICSP header, and a reset button. It contains everything needed to support the microcontroller; simply connect it to a computer with a USB cable or power it with a AC-to-DC adapter or battery to get started. The Mega 2560 board is compatible with most shields designed for the Uno and the former boards Duemilanove or Diecimila.

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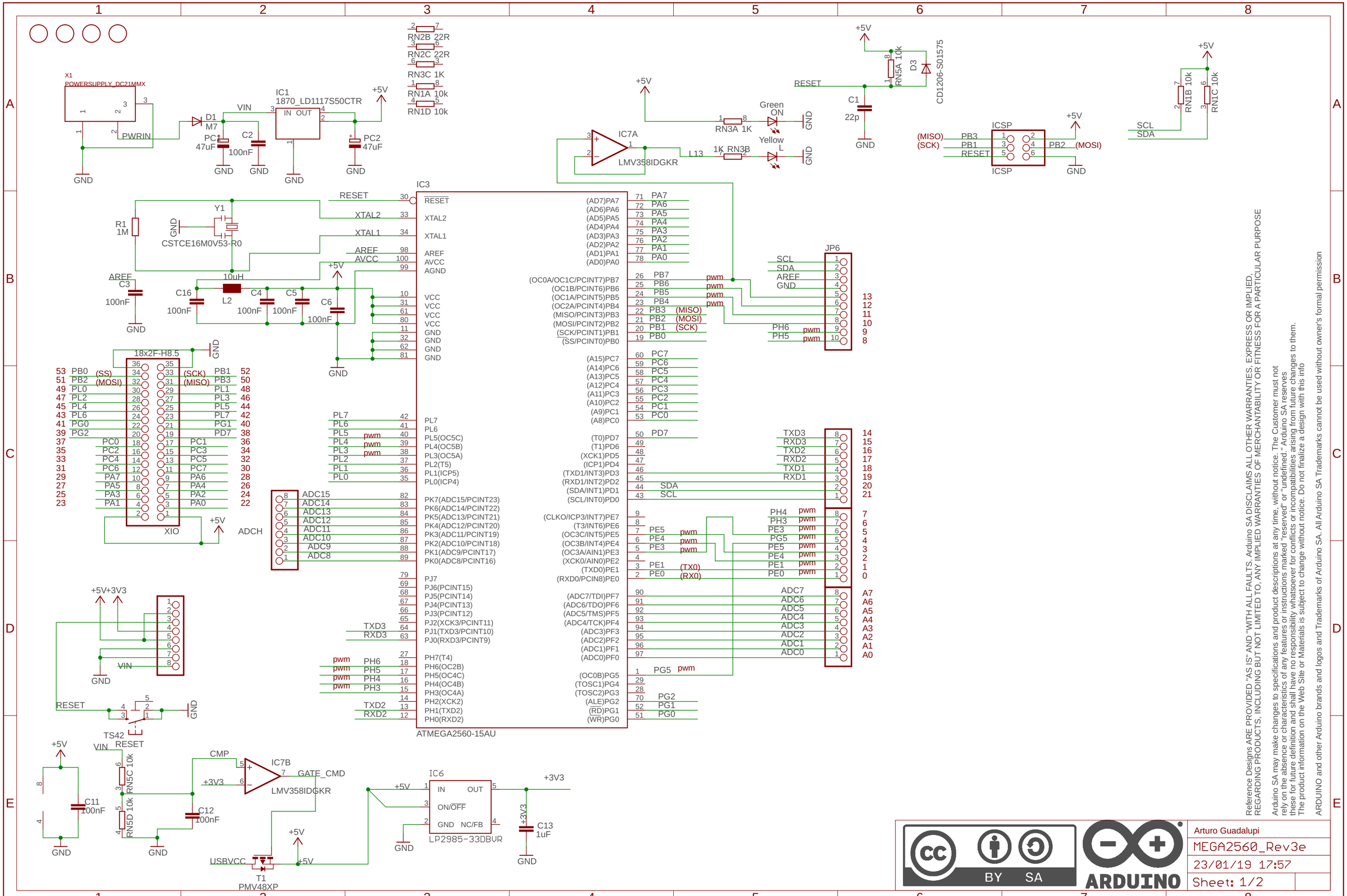
Microcontroller	ATmega2560
Operating Voltage	5V
Input Voltage (recommended)	7-12V
Input Voltage (limit)	6-20V
Digital I/O Pins	54 (of which 15 provide PWM output)
Analog Input Pins	16
DC Current per I/O Pin	20 mA
DC Current for 3.3V Pin	50 mA
Flash Memory	256 KB of which 8 KB used by bootloader
SRAM	8 KB
EEPROM	4 KB
Clock Speed	16 MHz
LED_BUILTIN	13
Length	101.52 mm
Width	53.3 mm
Weight	37 g

Ordering Information

ES Part No. : 0713-0014-2
MFR Part No : A000067
Arduino Mega 2560 Rev3, ATmega2560, 16MHz, Flash Memory 256kBytes, SRAM 8kBytes, EEPROM 4kByte, Digital I/O 54 Pins, Analog Input 16 Pins.



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MEGA2560_Rev3e

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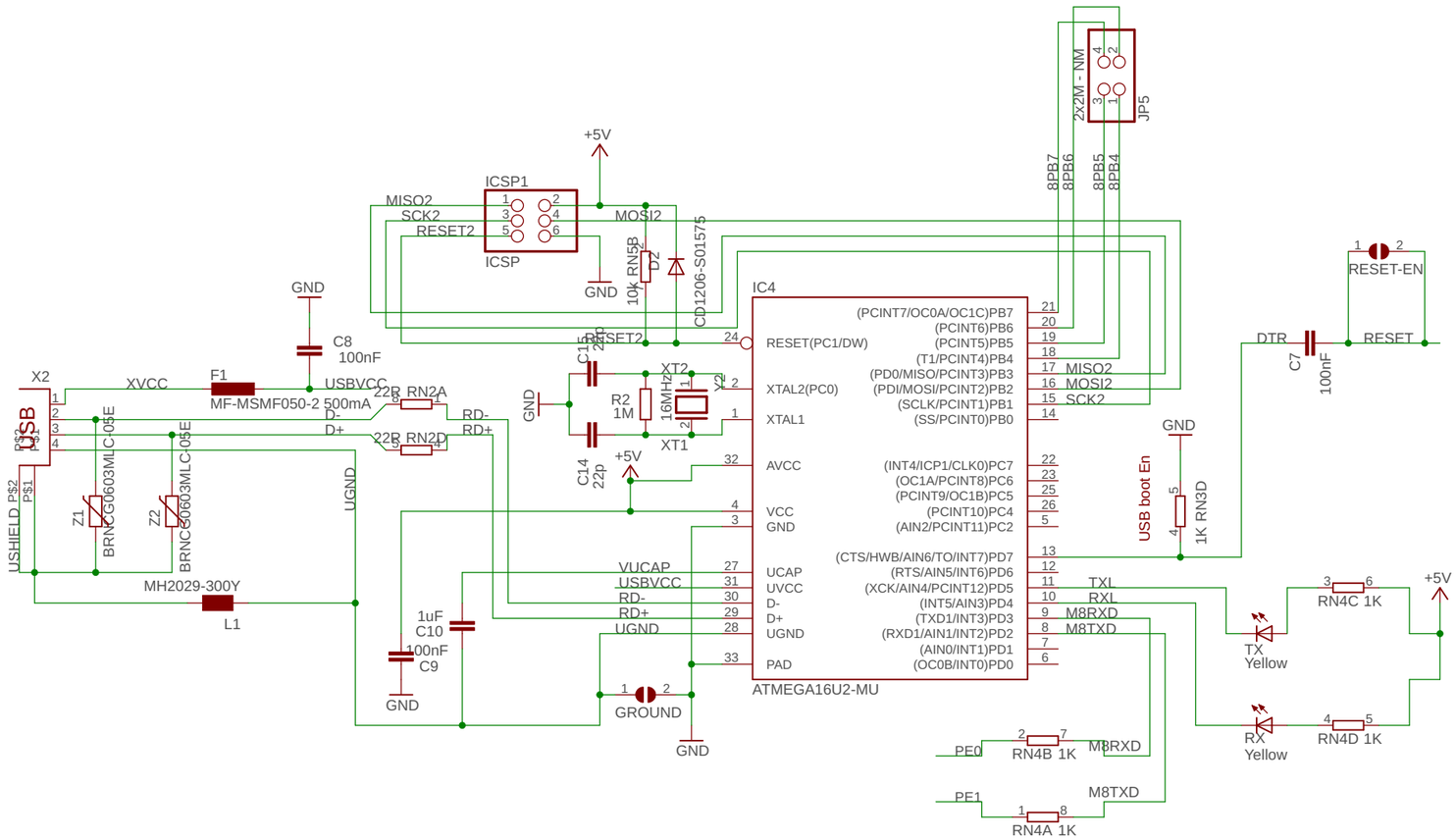

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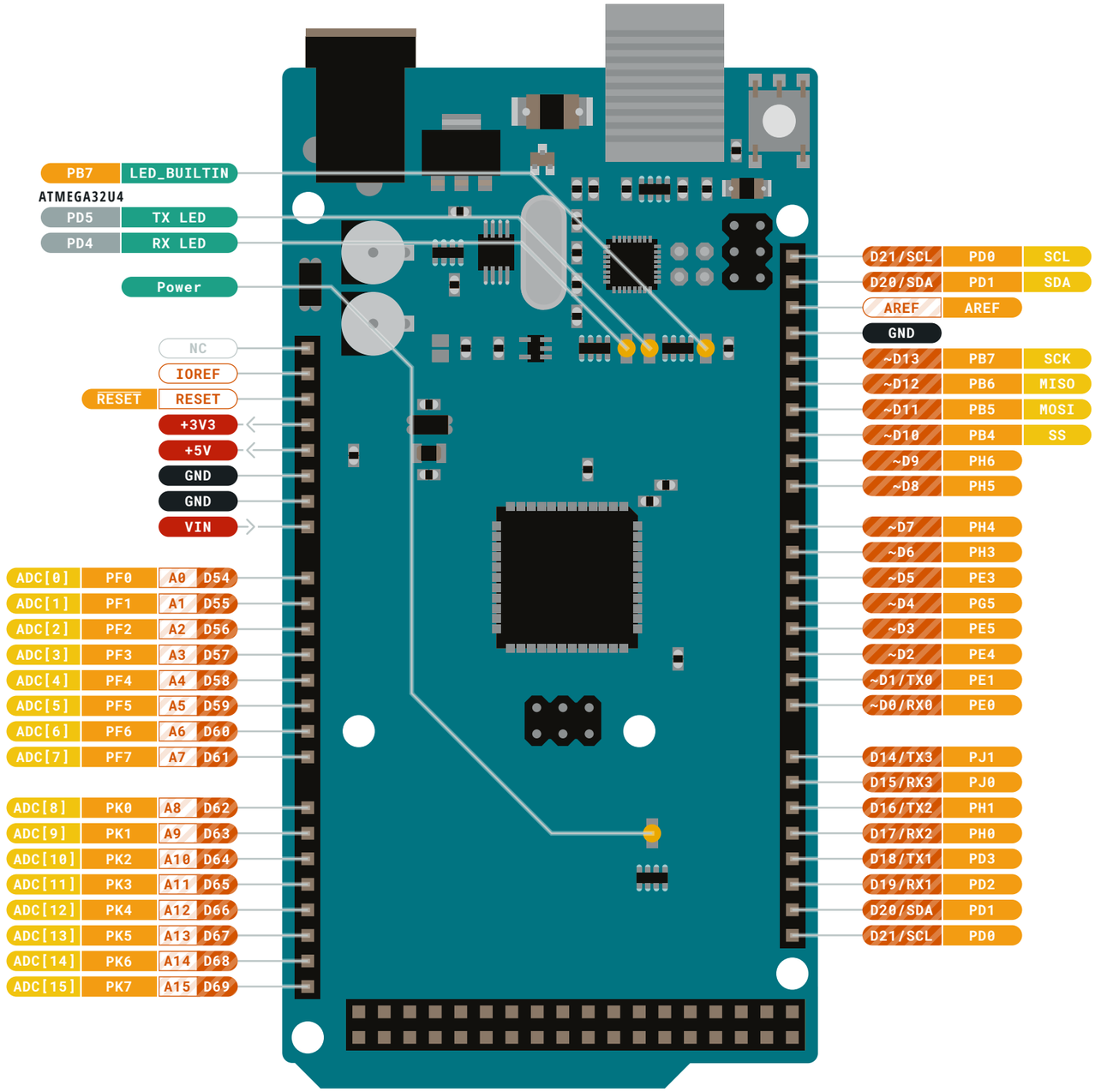

- Ground
- Power
- LED
- Internal Pin
- SWD Pin
- Digital Pin
- Analog Pin
- Other Pin
- Microcontroller's Port
- Default

MAXIMUM current per I/O pin is 20mA

MAXIMUM current per +3.3V pin is 50mA

VIN 6-20 V input to the board.

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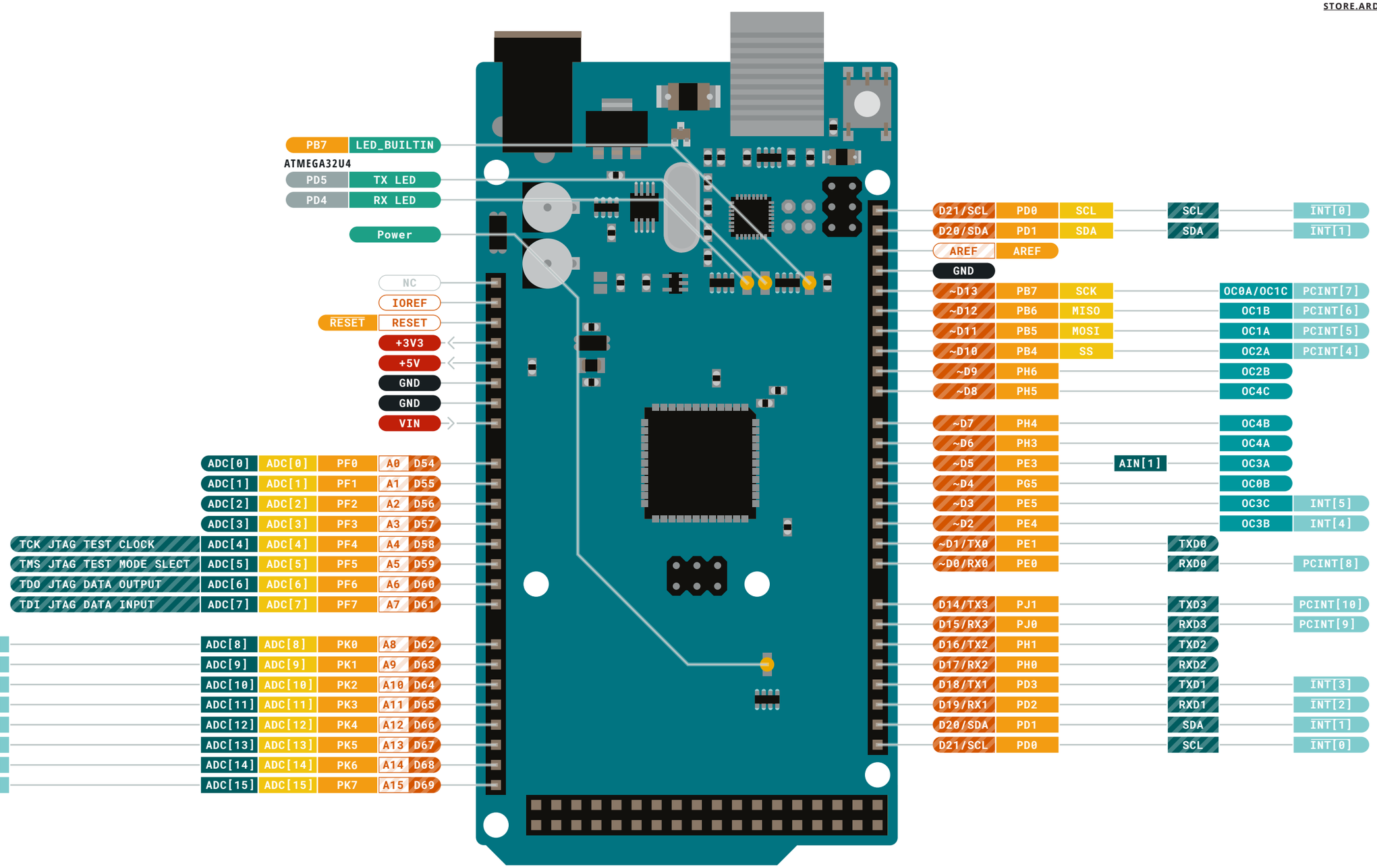

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Analog
Communication
Timer
Interrupt
Sercom

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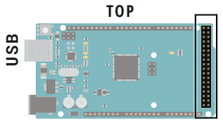

Digital pins D22-D53

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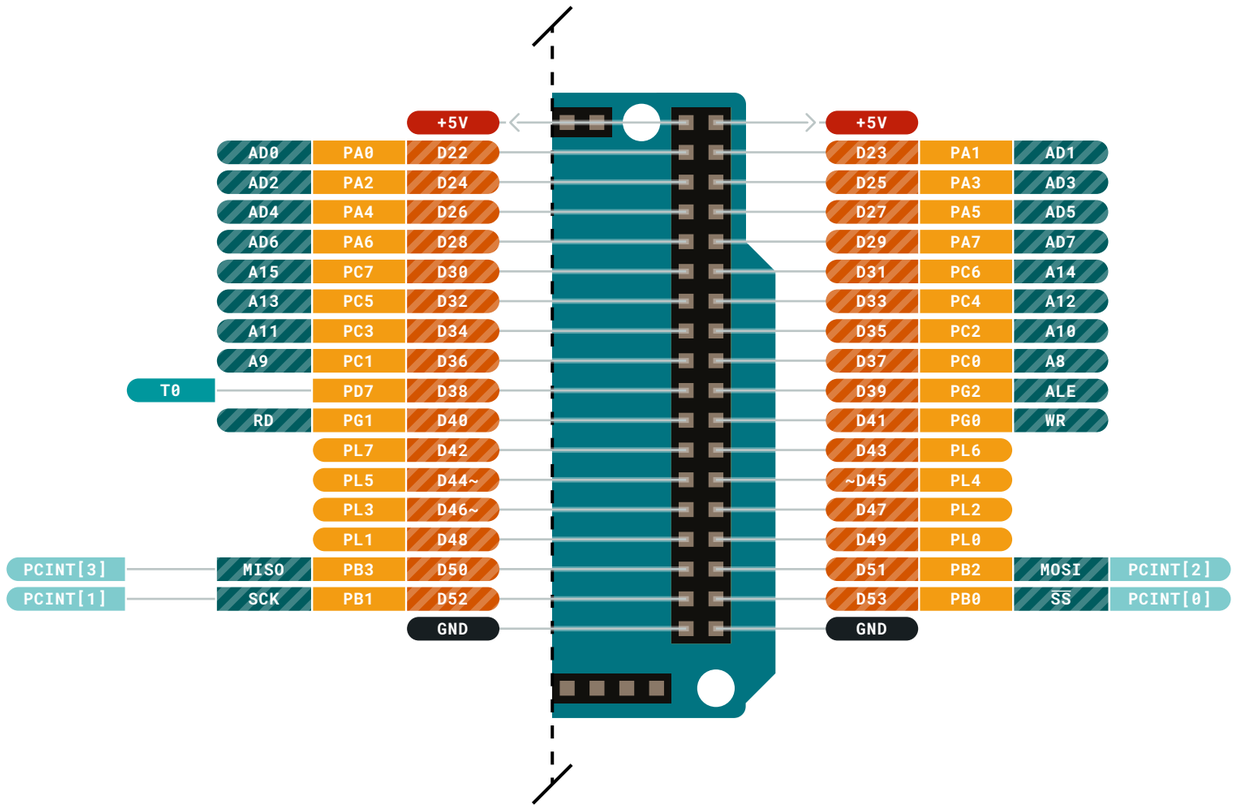

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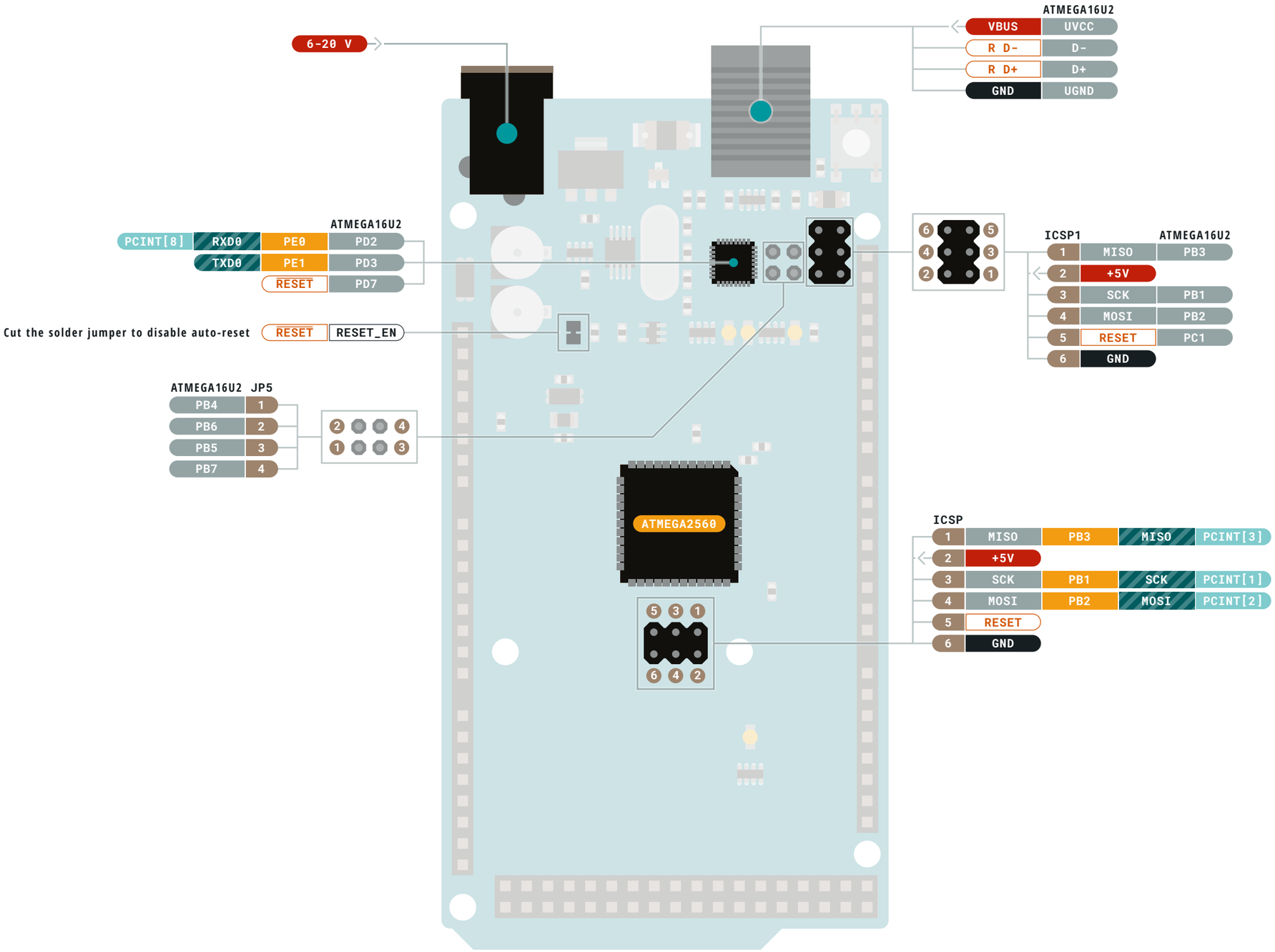

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