

# Power Supply Unit

The diagram illustrates a Power Supply Unit (PSU) circuit. It features a TP4056 module (U3) and a boost converter. The TP4056 module has two input pins: IN+ (pin 1) and IN- (pin 2). It has two output pins: OUT+ (pin 6) and OUT- (pin 7). The boost converter has two input pins: IN+ (pin 1) and IN- (pin 2). It has two output pins: OUT+ (pin 3) and OUT- (pin 4). The circuit is powered by a +5V source and a GND source. The output of the boost converter is labeled "boost converter".

U3  
TP4056

IN- 2

OUT- 7

B- 4

TP4056

IN+ 1

B+ 5

OUT+ 6

JP2  
M025MM

2 1

+5V

2 1

OUT+ 3

OUT- 4

IN+ 4

IN- 3

GND


boost converter

# Connecters

The image displays four circuit diagrams illustrating the wiring for different connectors and components:

- H1:** A 4-pin connector. Pin 1 is connected to +5V. Pin 2 is connected to SDA. Pin 3 is connected to SCL. Pin 4 is connected to GND.
- JP1:** A 4-pin connector. Pin 1 is connected to +5V. Pin 2 is connected to B. Pin 3 is connected to A. Pin 4 is connected to GND.
- J1:** A 4-pin connector. Pin 4 is connected to ARX. Pin 3 is connected to ATX. Pin 2 is connected to NTX. Pin 1 is connected to NRX.
- MAX485:** A MAX485 chip. Pin 8 (DI) is connected to DI. Pin 7 (DE) is connected to DE. Pin 6 (RE) is connected to RE. Pin 5 (RO) is connected to RO. Pin 4 (VCC) is connected to +5V. Pin 1 (GND) is connected to GND. Pin 2 (A) is connected to A. Pin 3 (B) is connected to B.

# Data transmission unit

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