

U6
AC/DC Adapter

INPUT: 240VAC
OUTPUT: DC +12v

12V
0V

1 L
2 N
3 VIN
4 GND

Diagram of an AC/DC Adapter (U6). The input is 240VAC (L and N). The output is DC +12v (12V and 0V). The output is connected to VIN and GND.

TOITEPLOKK
S-250-24

AC Input
200-240VAC/3.0A
50/60Hz

DC OUTPUT
24V
10A

1 L
2 N
3 GND

4 -V
5 -V
6 -V
7 +V
8 +V
9 +V

Toiteplukk_GND
Toiteplukk_+24V

The diagram shows the ATmega328P microcontroller with the following connections:

- VIN** (pin 8) connected to the **VIN** header pin.
- 5V** (pin 5) connected to the **5V** header pin.
- GND** (pin 6) connected to the **GND** header pin.
- GND** (pin 7) connected to the **GND** header pin.
- Digital Pins:**
 - Pin 15: D0/RX
 - Pin 16: D1/TX
 - Pin 17: D2
 - Pin 18: D3
 - Pin 19: D4
 - Pin 20: D5
 - Pin 21: D6
 - Pin 22: D7
 - Pin 23: D8
 - Pin 24: D9
 - Pin 25: D10
 - Pin 26: D11
 - Pin 27: D12
 - Pin 28: D13
- Analog Pins:**
 - Pin 3: RESET
 - Pin 2: IOREF
 - Pin 30: AREF
 - Pin 9: A0
 - Pin 18: A1
 - Pin 19: A2
 - Pin 12: A3
 - Pin 13: SDA/A4
 - Pin 14: SCL/A5
 - Pin 31: SDA/A4
 - Pin 32: SCL/A5

The diagram shows the connection between a TB6600-4.0 driver and a 17HS8401 motor. The driver is represented by a yellow box on the left, and the motor is a yellow box on the right. The motor has a circular symbol with 'U' next to it, indicating a brushless motor.

Driver (TB6600-4.0) Connections:

- Signal:**
 - ENA - (ENA) 1
 - ENA+ (+5V) 2
 - DIR - (DIR) 3
 - DIR+ (+5V) 4
 - PUL - (PUL) 5
 - PUL+ (+5V) 6
- High Voltage:**
 - B- 7
 - B+ 8
 - A- 9
 - A+ 10
 - GND 11
 - VCC 12

Motor (17HS8401) Connections:

- Sinine 1
- Kollane 2
- Roheline 3
- Punane 4

Power Connections:

- GND (Driver) to D3 (Motor)
- GND (Driver) to D2 (Motor)
- Toiteplukk_GND (Driver) to GND (Motor)
- Toiteplukk_+24V (Driver) to +24V (Motor)

Motor Specifications: 1.8° 1.8A

Diagram illustrating the connection of a 24V relay (U7) to a D9 connector and a 24V power source.

The relay (U7) has the following connections:

- Signal:** Connected to D9 pin 1.
- 5V:** Connected to D9 pin 2.
- GND:** Connected to D9 pin 3.
- NC (4):** Not connected.
- COM (5):** Connected to Toiteplukk_+24V.
- NO (6):** Connected to Toiteplukk_GND.

The relay is labeled "Õhu Relee 24V".

A second relay (U8) is shown below, with terminals labeled COM (1) and NO (2).

The diagram shows the connection between a TB6600-4.0 driver and a 17HSB401 motor. The driver is represented by a yellow box on the left, and the motor is represented by a yellow box on the right. The motor box contains a circle with a dot in the center, representing the motor's shaft, and the text "1.8° 1.8A" at the bottom.

Driver Connections:

- Signal:**
 - ENA - (ENA) 1
 - ENA+ (+5V) 2
 - DIR - (DIR) 3
 - DIR+ (+5V) 4
 - PUL - (PUL) 5
 - PUL+ (+5V) 6
- High Voltage:**
 - B- 7
 - B+ 8
 - A- 9
 - A+ 10
 - GND 11
 - VCC 12

Motor Connections:

- 17HSB401
- Sinine 1
- Kollane 2
- Roheline 3
- Punane 4
- 1.8° 1.8A

Wiring Details:

- Signal 1 (ENA) is connected to U2 pin 1.
- Signal 2 (ENA+) is connected to U2 pin 2.
- Signal 3 (DIR) is connected to U2 pin 3.
- Signal 4 (DIR+) is connected to U2 pin 4.
- Signal 5 (PUL-) is connected to U2 pin 5.
- Signal 6 (PUL+) is connected to U2 pin 6.
- High Voltage 7 (B-) is connected to U2 pin 7.
- High Voltage 8 (B+) is connected to U2 pin 8.
- High Voltage 9 (A-) is connected to U2 pin 9.
- High Voltage 10 (A+) is connected to U2 pin 10.
- High Voltage 11 (GND) is connected to U2 pin 11.
- High Voltage 12 (VCC) is connected to U2 pin 12.

Motor Labels:

- Sinine
- Kollane
- Roheline
- Punane
- 1.8° 1.8A

Id: 1/1