

7V ≤ VCC ≤ 12

VCC

SW6  
SW\_SPST

PWR\_FLAG

D1  
1N4007

U2  
L7805

+5V

C3  
10uF

C4  
100nF

C5  
10uF

IN

OUT

GND

GND

VCC

PWR\_FLAG

PWR\_FLAG

GND

Diagram illustrating the wiring for the 5-pin header:

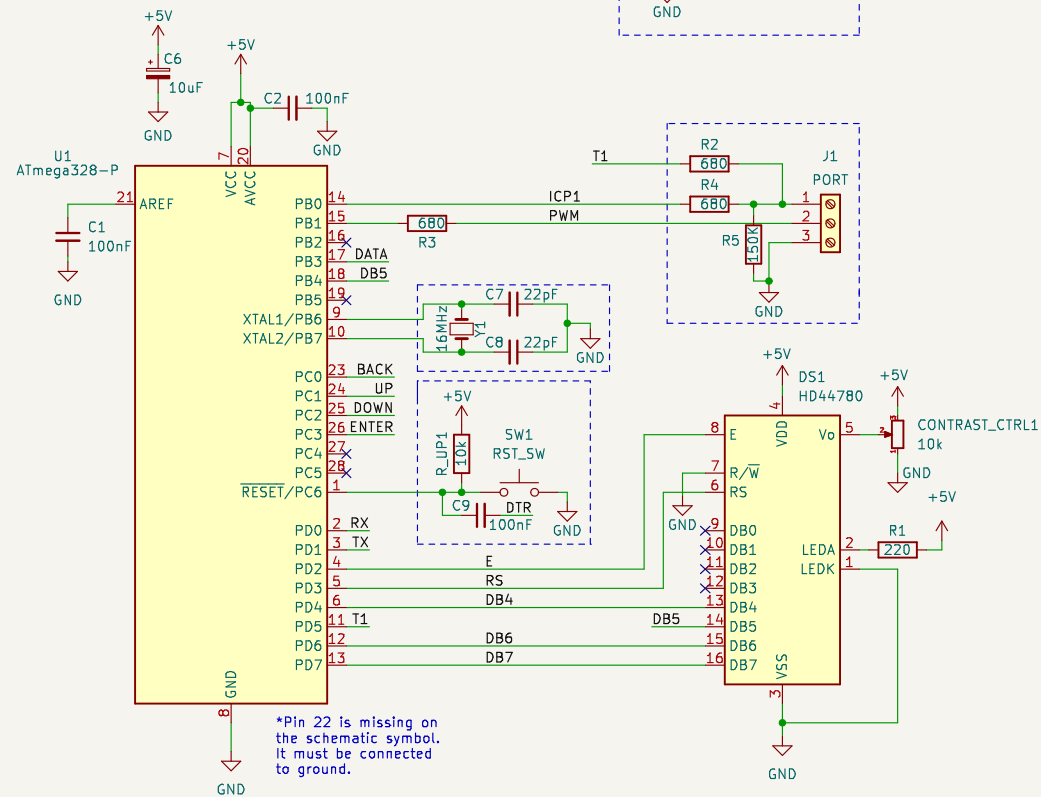
- SW2:** Common terminal connected to GND; NO terminal connected to BACK; NC terminal connected to MENU.
- SW3:** Common terminal connected to GND; NO terminal connected to UP; NC terminal connected to UP.
- SW4:** Common terminal connected to GND; NO terminal connected to DOWN; NC terminal connected to DOWN.
- SW5:** Common terminal connected to GND; NO terminal connected to ENTER; NC terminal connected to ENTER.

J3  
Conn\_01x06\_Female

DTR 1  
RX 2  
TX 3  
4  
5  
6

+5V

GND



\*Pin 22 is missing on the schematic symbol. It must be connected to ground.

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