



Twinhex UNO

Electrical Characteristics

INPUT VOLTAGE	7-25 V
total current at input voltage <7V	500 mA
total current at input voltage <9V	250 mA
total current at input voltage <12V	140 mA
total current at input voltage <24V	40 mA
MICRO USB INPUT VOLTAGE	4.5-5.5 V
input current	500 mA
TOTAL 5V AND 3V3 OUTPUT CURRENT	490 mA
input voltage <7V	490 mA
input voltage <9V	240 mA
input voltage <12V	130 mA
input voltage <24V	30 mA
powering from microUSB	490 mA

MCU Characteristics

MCU	ATmega328P
MCU voltage (select with jumper)	3.3 or 5 V
Frequency	16 MHz
Flash memory (0.5 kB is used for bootloader)	32 kB
SRAM	2 kB
EEPROM	1 kB
<i>Peripherals</i>	
8-bit Timers	2
16-bit Timers	1
GPIO pins	20
including PWM channels	6
including ADC inputs	6
ADC	10 bit
SPI	1
I2C	1
UART	1

Mechanical Characteristics

Board Dimensions	68.6x53.3x11.7 mm
DC input connector	5.5x2.1 mm
Pin Header Spacing	2.54 mm

In Arduino IDE choose Arduino/Genuino Uno for this board.