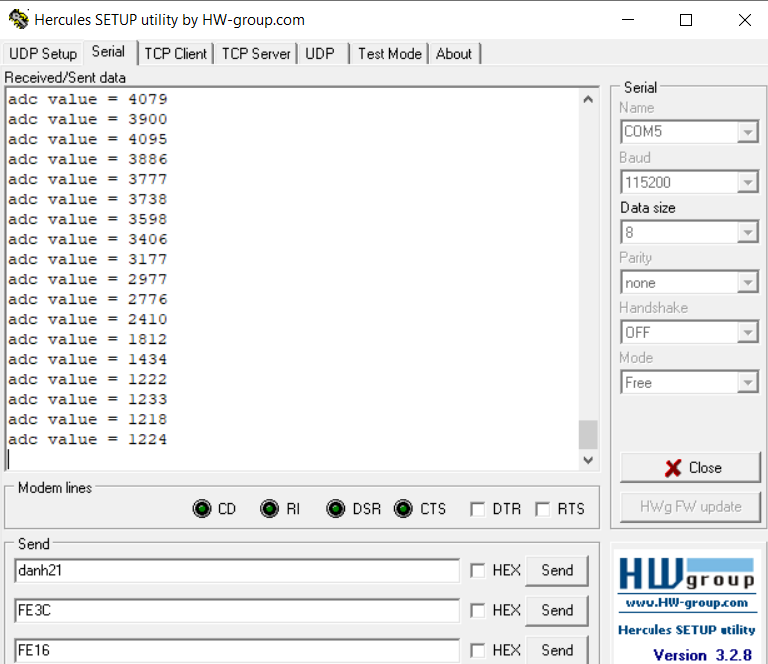
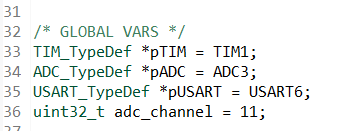
**Desription:**

* Read ADC value and print to Hercules.



**Config:**

Config ADC, TIM and USART



* Select any timer from TIM1 -> TIM14
* Select any USART (USART1/2/3/6 , UART4/5):
  + USART1\_TX – PB6
  + USART2\_TX – PD5
  + USART3\_TX – PD8
  + UART4\_TX – PC10
  + UART5\_TX – PC12
  + USART6\_TX – PC6
* Select any ADC channel:
  + ADC1, ADC2:
    - IN1 - IN7 : PA1 - PA7
    - IN8 - IN9 : PB0 - PB1
    - IN10 – IN15 : PC0 – PC5
  + ADC3:
    - IN1 – IN3 : PA1 – PA3
    - IN10 – IN13 : PC0 – PC3

**Connection:**

* Connect variable resistor to MCU as below:

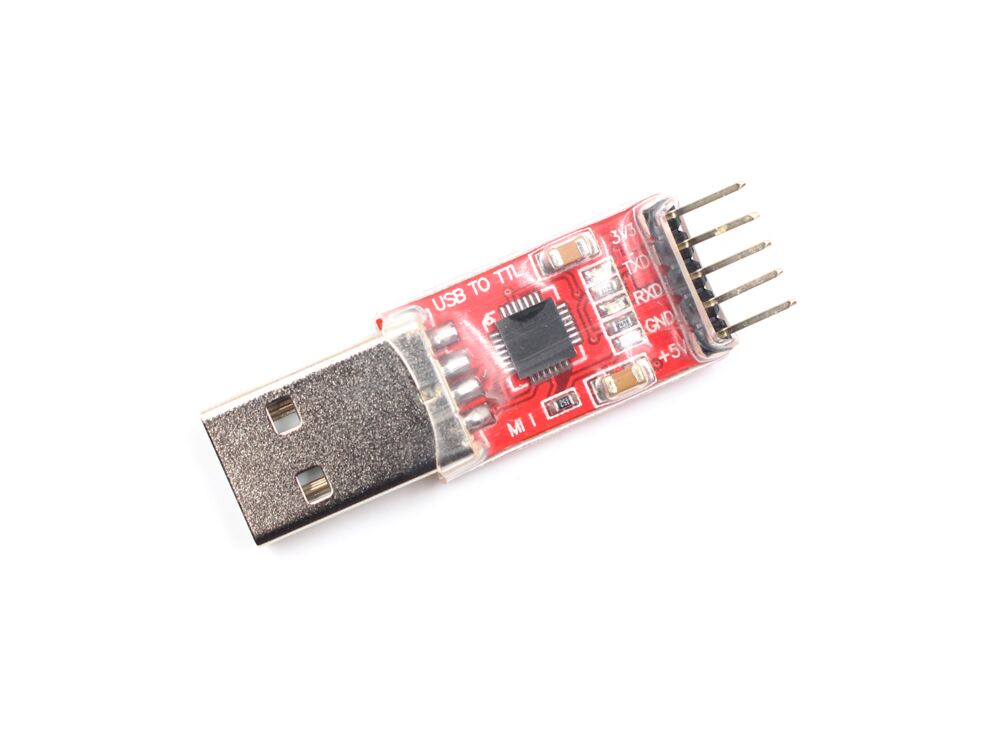


VCC

PC1

GND

* Connect UART to MCU as below:





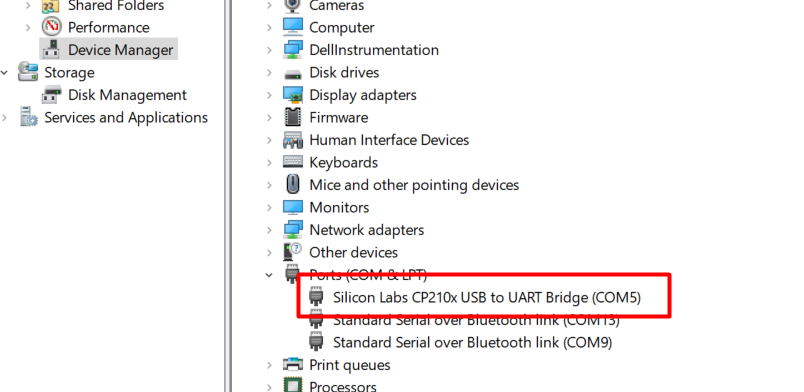
PC6

+ PC6 (USART6\_TX) connects RXD of USB

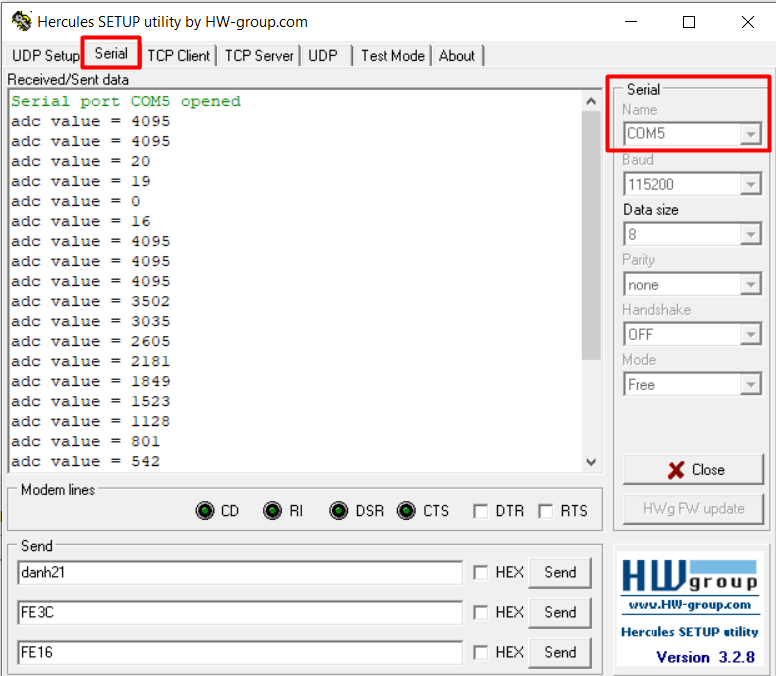
+ USB connects PC

* Connect Hercules:

+ Check port of USB



+ Open port



**Reference**

<https://www.youtube.com/watch?v=q8XSsTDAUiM>