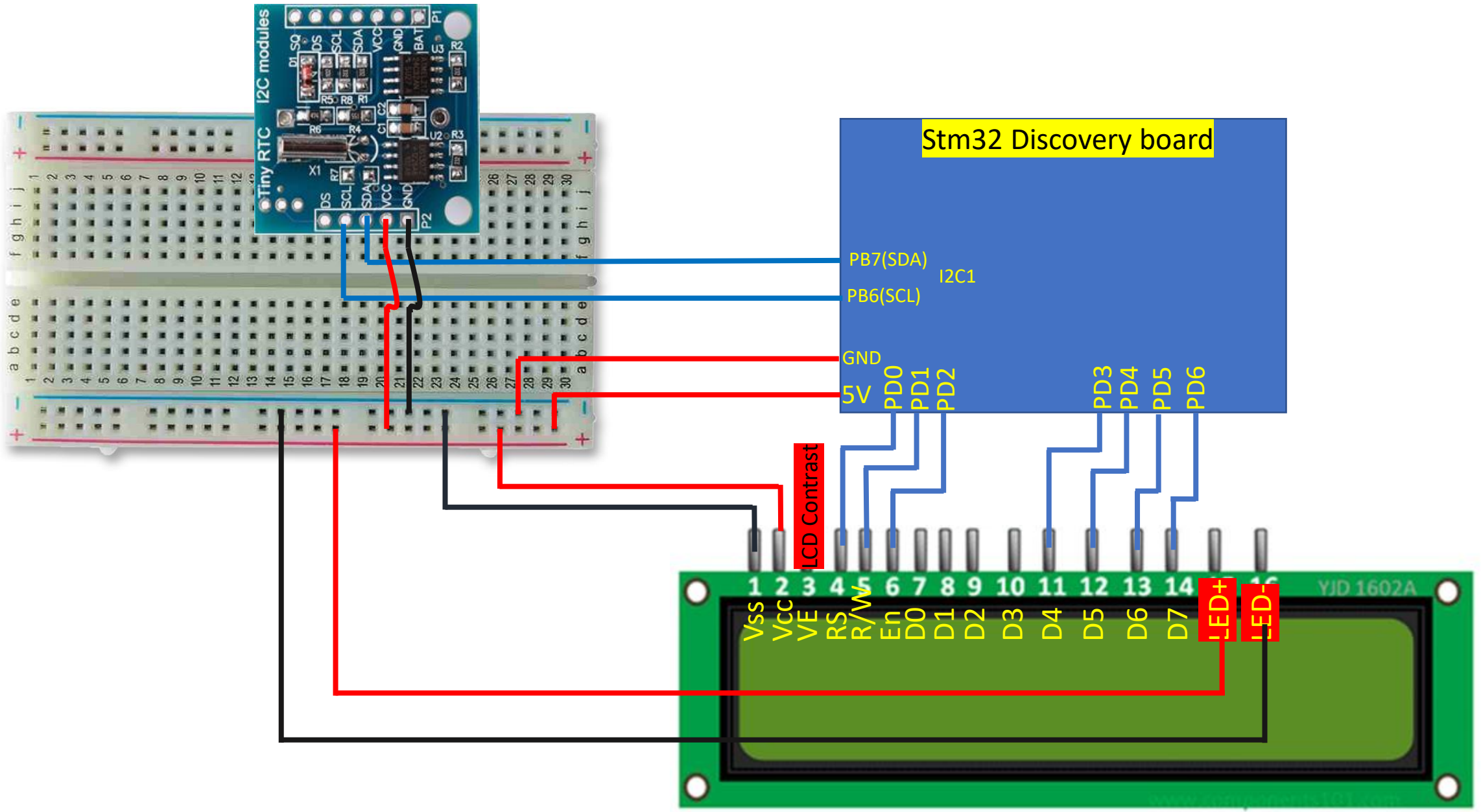
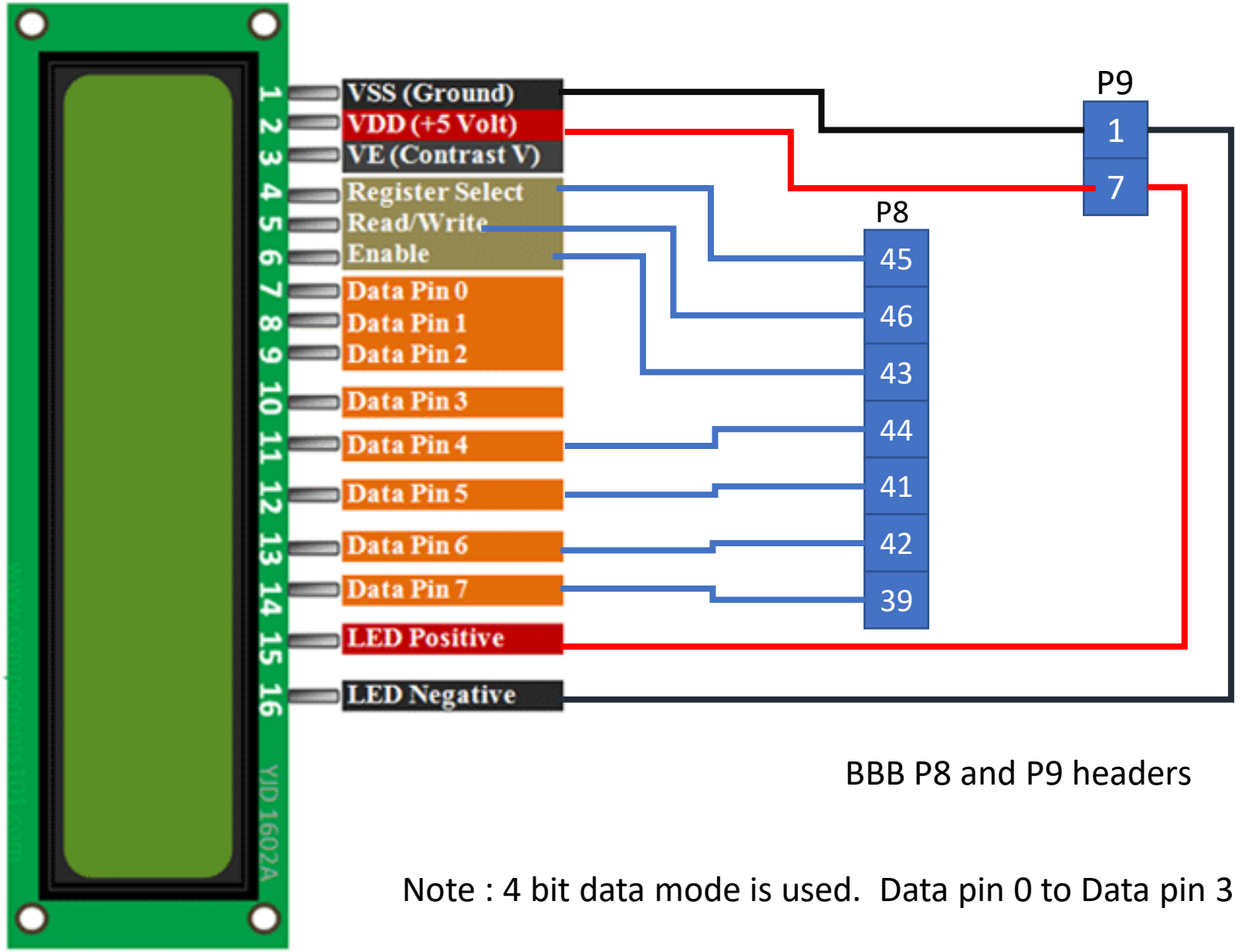
RTC and LCD interfacing


I2C modules
Tiny RTC
Stm32 Discovery board
PB7(SDA)
PB6(SCL)
I2C1
GND
5V
PD0
PD1
PD2
PD3
PD4
PD5
PD6
LCD Contrast
Vss
Vcc
VE
RS
R/W
En
D0
D1
D2
D3
D4
D5
D6
D7
LED+
LED-
YJD 1602A



BBB P8 and P9 headers

Note : 4 bit data mode is used. Data pin 0 to Data pin 3 are unused

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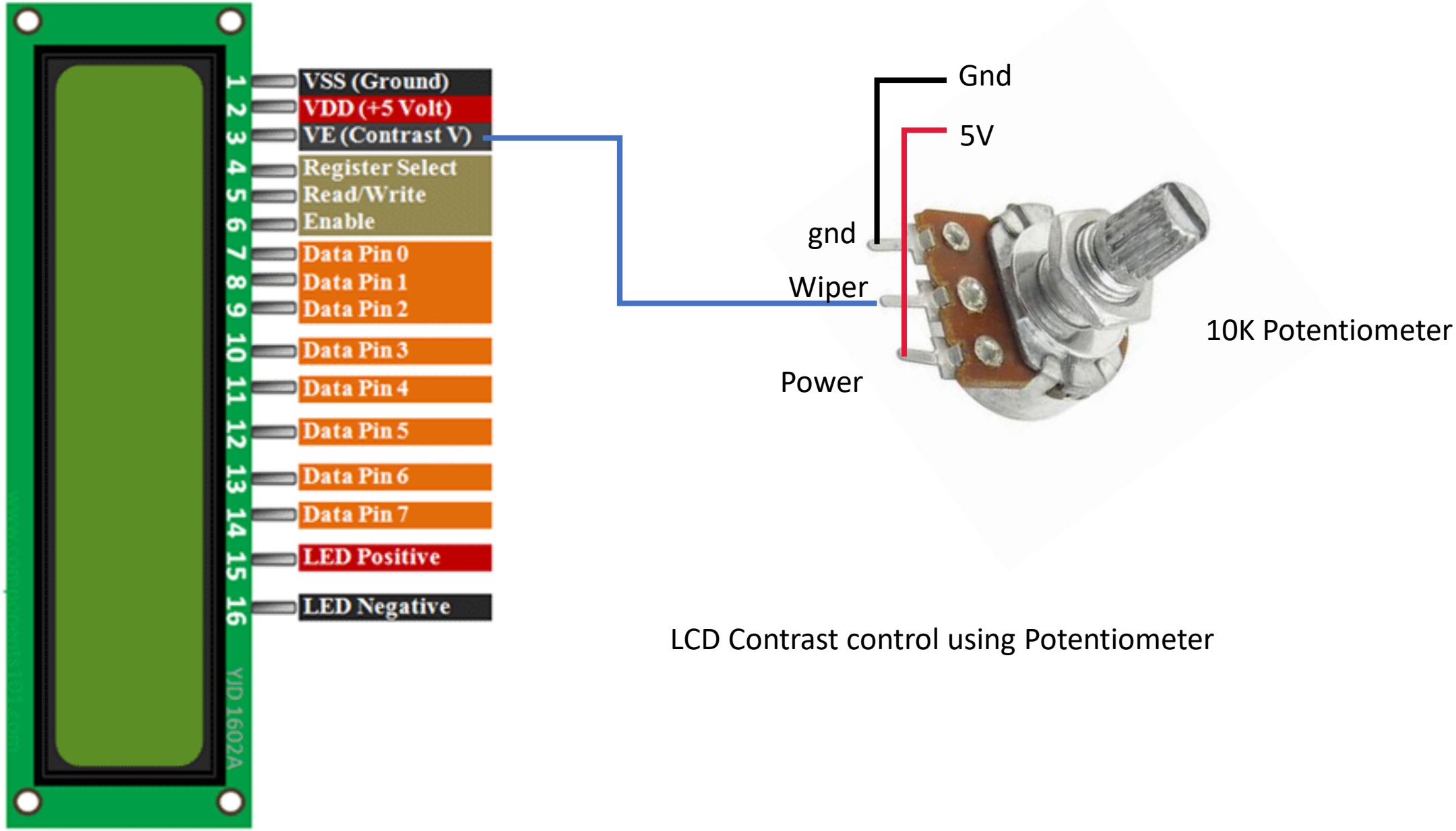

LCD Contrast control using Potentiometer

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