

`TextLCD lcd(PA_11, PB_12, PC_8, PC_6, PC_5, PA_12);
// rs,e.d0,d1,d2,d3`

PORTB
RB0 PC_8. D0 PWM
RB1 PC_6 D1 PWM
RB2 PC_5 D2
RB3 PA_12 D3
RB4 PA_11 RS
RB5 PB_12 En
RB6 PB_10
RB7 PB_2
BusOut PORTB(RB0 ... 7);
BusIn PORTD(RD0 ... 7);

PORTC
RC0 PC_9
RC1 PB_8
RC2 PB_9
RC3 PA_5
RC4 PA_6
RC5 PA_7
RC6 PB_6
RC7 PC_7
BusOut PORTC(RC0 ... 7);

PORTD
RD0 PB_1 PWM
RD1 PB_15 PWM
RD2 PB_14 PWM
RD3 PB_13 PWM
RD4 PC_4
RD5 PA_10
RD6 PB_3
RD7 PB_5
BusIn PORTD(RD0 ... 7);
BusOut PORTF(RF0 ... 7);

PORTF
RF0 PB_7
RF1 PA_15 PWM
RF2 PA_13
RF3 PC_12
RF4 PC_10
RF5 PC_11
RF6 PD_2
RF7 PB_4 PWM

PORTA
PA0 PA_0. LDR
PA1 PA_1 POT
PA2 PA_4 Temp
PA3 PB_0
PA4 PC_1
PA5 PC_0
PA6 PC_3
PA7 PB_2

SPI1 = PA4-7 or PB3-5 + PA15
SPI2 = PB12-15
I2C1 = PB6/7 or PB8/9
I2C2 = PB10/11 or PB6/7