

UNSW coast Education Board - I/O device to microcontroller pin connection

	I/O Device	Microcontroller pin
Direct LEDs	LED D1	PB10
	LED D2	PB4
	LED D3	PB5
	LED D4	PB3
Direct Buttons	Button SW1	PA1
	Button SW2	PA4
	Button SW3	PB0
	Button SW4	PC1
Shift Register LEDs	Shift Register RCLK (latch)	PB7
	Shift Register SRCLK (serial clock)	PC0
	Shift Register SER (data in)	PB15
Keypad	ROW1	PB11
	ROW2	PB12
	ROW3	PB13
	ROW4	PB14
	COL1	PA8
	COL2	PA9
	COL3	PA10
	COL4	PA11
LCD	LCD Data D4	PC8
	LCD Data D5	PC9
	LCD Data D6	PC10
	LCD Data D7	PC11
	LCD Control E	PD2
	LCD Control RW	PC6
	LCD control RS	PA15
Buzzer	PWM input to the buzzer	PC2
LDR	LDR R24	PC4
	LDR R32	PB1
Motor	COIL A	PC5
	COIL B	PA12
	COIL C	PC7
	COIL D	PB2
I/O devices on the NUCLEO board	Blue Button B1	PC13
	LED LD2	PA5