

ECE 177 NUCLEO-F401RE wiring

PA0	A	CN 8- 1	LCD_RS	PB12	M	CN10-16	KEYPAD 7
PA1	A	CN 8- 2	LCD_E	PB13	M	CN10-30	B1 [Blue- PushButton]
PA2	A	CN 9- 2	USART2_TX	PB14	M	CN10-28	RCC_OSC32_IN
PA3	A	CN 9- 1	USART2_RX	PB15	M	CH10-26	RCC_OSC32_OUT
PA4	A	CN 8- 4					
<i>PA5</i>	<i>A</i>	<i>CN 5- 6</i>	<i>LD2 [Green Led]</i>				
PA6	A	CN 5- 5	LCD_D4	PC0	A	CN 8- 6	BAR 0 (rightmost)
PA7	A	CN 5- 4	LCD_D5	PC1	A	CN 8- 5	BAR 1
PA8	A	CN 9- 8	LCD_D6	PC2	M	CN 7-35	BAR 2
PA9	A	CN 5- 1	LCD_D7	PC3	M	CN 7-37	BAR 3
PA10	A	CN 9- 3	SPEAKER	PC4	M	CN10-34	BAR 4
PA11	M	CN10-14		PC5	M	CN10- 6	BAR 5
PA12	M	CN10-12		PC6	M	CN10- 4	BAR 6
PA13	M	CN 7-13	SYS_JTMS SWDIO	PC7	A	CN 5- 2	BAR 7
PA14	M	CN 7-15	SYS_JTCK SWCLK	PC8	M	CN10- 2	BAR 8
PA15	M	CN 7-17		PC9	M	CN10- 1	BAR 9
				PC10	M	CN 7- 1	
PB0	A	CN 8- 4		PC11	M	CN 7- 2	
PB1	M	CN10-24		PC12	M	CN 7- 3	
PB2	M	CN10-22		PC13	M	CN 7-23	
PB3	A	CN 9- 4	SYS_JTDO SW0	PC14	M	CN 7-25	
PB4	A	CN 9- 6	KEYPAD 0(leftmost)	PC15	M	CN 7-27	
PB5	A	CN 9- 5	KEYPAD 1				
PB6	A	CN 5- 3	KEYPAD 2	PD2	M	CN 7- 2	
PB7	M	CN 7-21	KEYPAD 3				
PB8	A	CN 5-10	KEYPAD 4	PH0	M	CN 7-29	RCC_OSC_IN
PB9	A	CN 5- 9	KEYPAD 5	PH1	M	CN 7-31	RCC_OSC_OUT
PB10	A	CN 9- 7	KEYPAD 6	3V3	M	CN 6-4	Top + rail (red)
PB11	NOT AVAILABLE			5V	M	CN 6-5	Bottom + rail (red)