

Modifying STM NUCLEO432KC

The pin in use :

The static pin configuration is defined in file RootDir/local/NUCLEO432/board.cfg

Important pins, are :

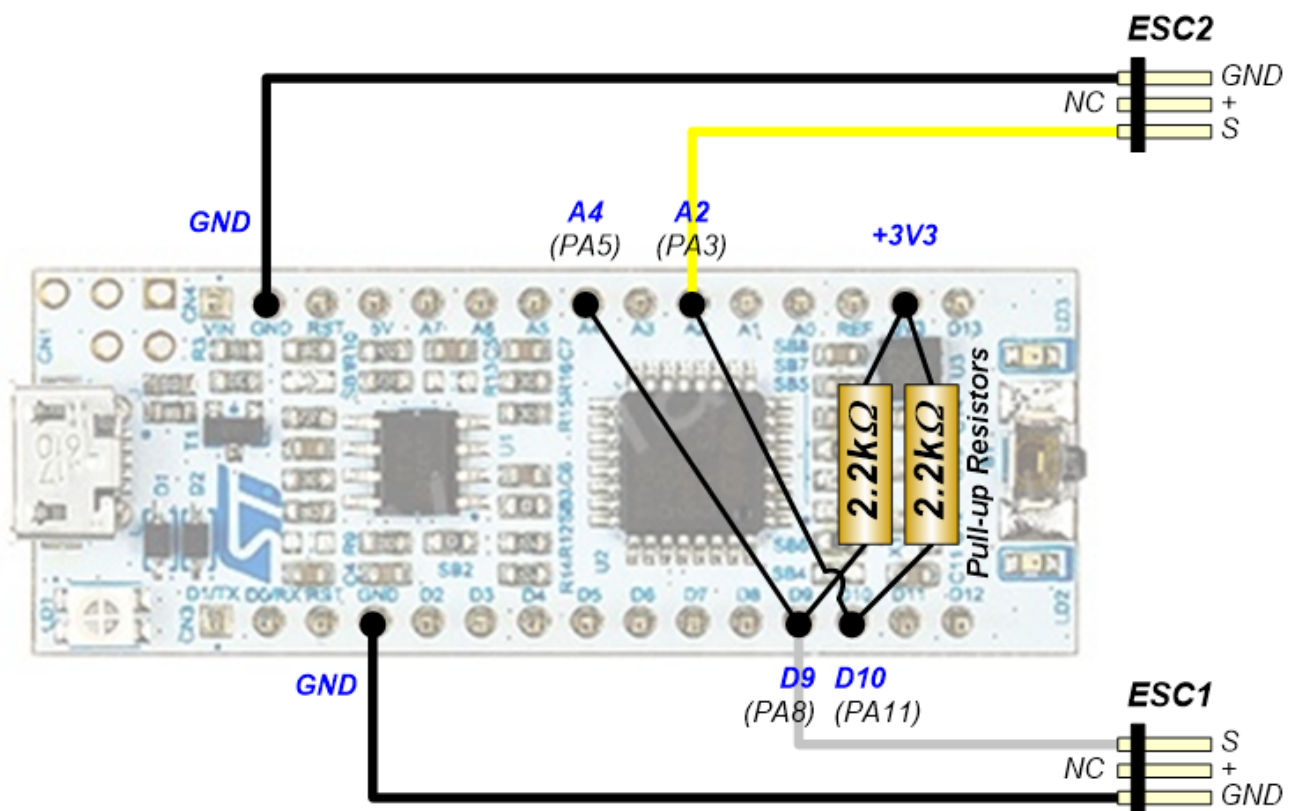
PA03	CASTEL_ICU2	ICU	AF:TIM15_CH2	#ARD_A2
PA05	CASTEL_ICU1	ICU	AF:TIM2_CH1	#ARD_A4
PA08	CASTEL_PWM1	PWM	AF:TIM1_CH1	#ARD_D9
PA11	CASTEL_PWM2	PWM	AF:TIM1_CH4	#ARD_D10

principle :

For each ESC channel, there is two pins : PWM generation, and ICU input capture.

The two pins has to be linked, and the resulting wire has to be connected to a resistor pullup (2.2k Ω 1/4W resistor conected to 3.3V)

Wiring :



Soldering :

