# **Modifying STM NUCLEO432KC**

#### The pin in use:

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

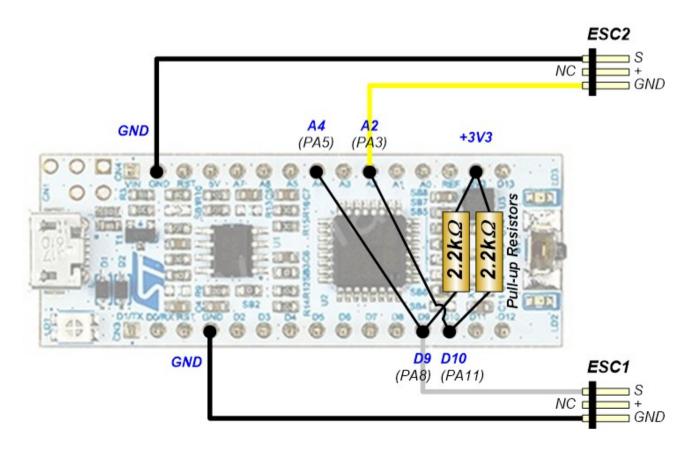
#### Important pins, are:

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 ( $2.2k\Omega$  1/4W resistor conencted to 3.3V)

### Wiring:



## Soldering:

