Banc de test :

Tableau 1 : Branchement des composantes

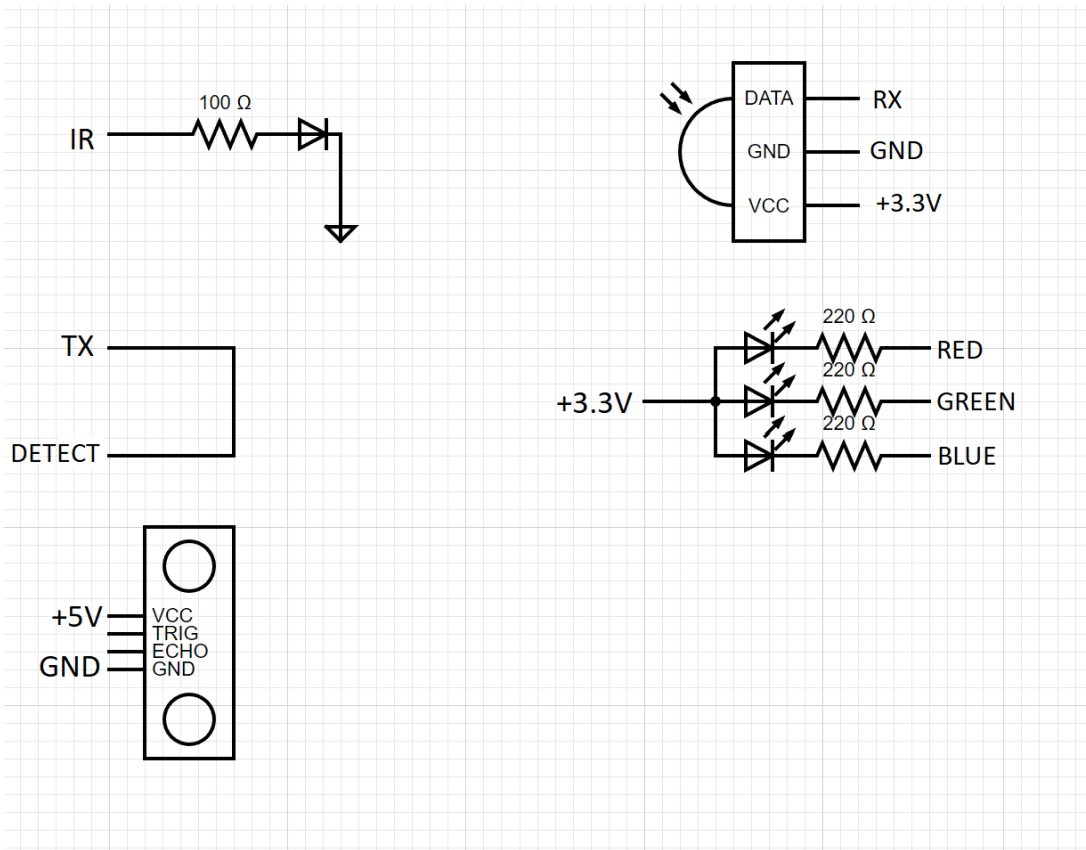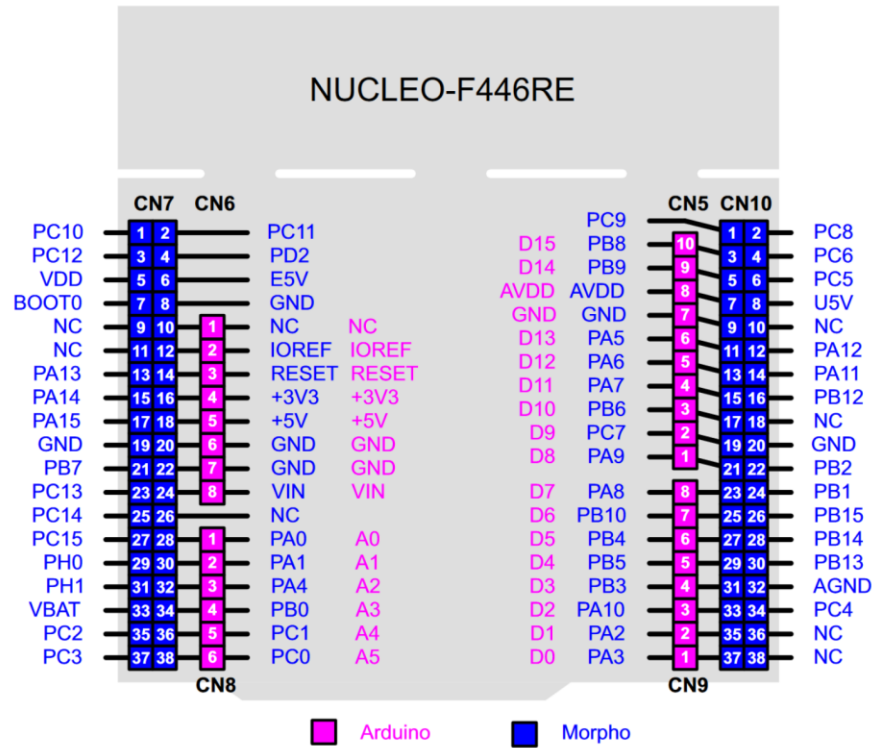| Port	Pin	Type
Clavier		
R1	PC8	GPIO Output
R2	PC6	GPIO Output
R3	PC5	GPIO Output
R4	PA12	GPIO Output
C1	PA11	GPIO Input
C2	PB12	GPIO Input
C3	PB1	GPIO Input
C4	PB15	GPIO Input
UART		
TX	PC12	UART5_TX
RX	PD2	UART5_RX
DETECT	PC10	GPIO_EXTI10
IR	PC9	TIM3_CH4 PWM
Ultrason		
TRIG	PA15	TIM2_CH1 PWM
ECHO	PB2	TIM2_CH4 IC
VCC	+5V	
GND	GND	
DEL RGB		
RED	PC3	GPIO Output
GREEN	PC2	GPIO Output
BLUE	PB7	GPIO Output
+3.3V		

Figure 1 : Schéma des branchements