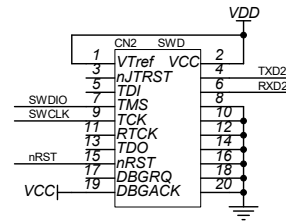
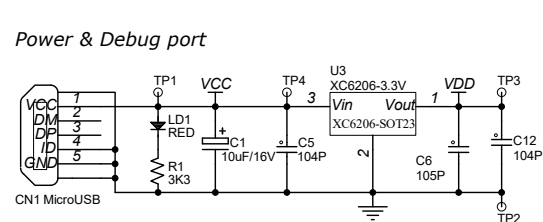


## Pins Remapping

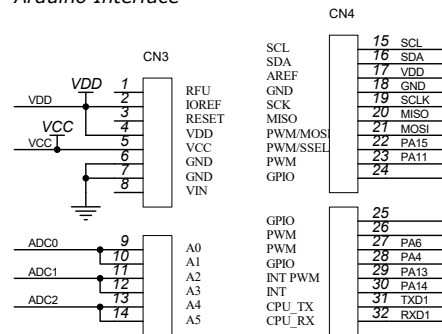
PA0/SPI\_NSS/I2S\_WS/UART1\_RX/TIM1\_CH3N/I2C\_SCL/TIM3\_CH3  
 PA1/SPI\_MISO/I2S\_MCK/UART2\_TX/I2C\_SDA  
 PA2/TIM1\_CH2N/TIM3\_CH2/AD5  
 PA3/UART1\_RX/AD2  
 PA4/TIM1\_BKIN/I2C\_SDA  
 PA5/SPI\_SCK/I2S\_CK/I2C\_SCL  
 PA6/SPI\_MOS/I2S\_SD/TIM1\_CH1/TIM1\_CH1N/TIM1\_CH3  
 PA7/SPI\_MISO/I2S\_MCK/TIM1\_CH1N/TIM1\_CH2N/MCO/TIM1\_CH4/AD7  
 PA8/SPI\_SCK/I2S\_CK/TIM1\_CH2/TIM3\_CH1  
 PA9/SPI\_MOS/I2S\_SD/TIM1\_CH2N/TIM1\_CH1/TIM14\_CH1  
 PA10/nRST/UART1\_TX  
 PA11/TIM1\_CH2/TIM14\_CH1/TIM3\_CH1/AD4  
 PA12/UART1\_TX/AD3  
 PA13/SWDIO/UART1\_RX/UART2\_RX/I2C\_SCL  
 PA14/BOOT0/SWCLK/TIM1\_CH3/TIM1\_CH2/SPI\_MISO/I2S\_MCK/UART1\_TX/PA14  
 PA15/SPI\_NSS/I2S\_WS/TIM1\_CH3N/TIM3\_CH3/AD6  
 PB0/OSC\_IN/AD1  
 PB1/OSC\_OUT/AD0

PA0	K1	RXD1
PA1	LD1	MISO
PA2	ADC1	TXD2
PA3	ADC2	
PA4	LD2	SDA
PA5		SCL
PA6	K2	
PA7	ADC0	
PA8		SCLK
PA9	LD3	MOSI
PA10	K3	nRST
PA11	BUZ	
PA12	LD4	TXD1
PA13		SWDIO
PA14		SWCLK
PA15		NSS
PB0	X1	
PB1	K4	X2

## Power & Debug port



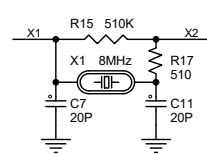
## Arduino Interface



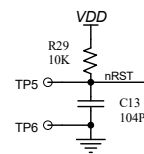
## MCU

PA11	1	PA11	20	PA2
PA12	2	PA12	19	PA15
PA3	3	PA3	18	PA13
PA10	4	PA10/nRST/PA14/BOOT0	17	PA14
PB0	5	PB0/OSC_IN	16	PA9
GND	6	PB1/OSC_OUT	15	PA8
VSS/VSSA	7	PA7	14	PA7
PA1	8	PA1	13	PA6
VDD/VDDA	9	PA5	12	PA5
PA0	10	PA0	11	PA4

## Crystal

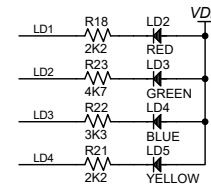


## nRST

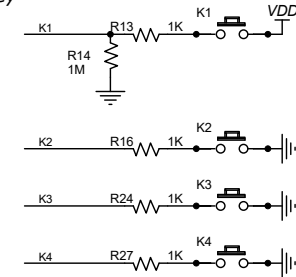


## Peripheral

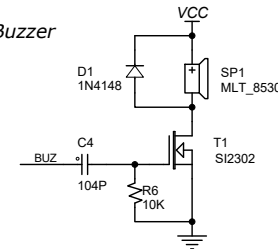
### LED



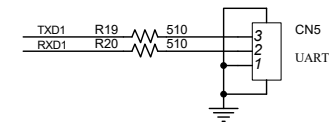
### Key



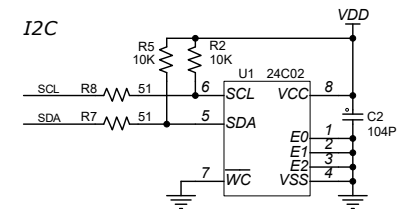
### Buzzer



### UART



### I2C



### SPI Flash

