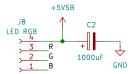
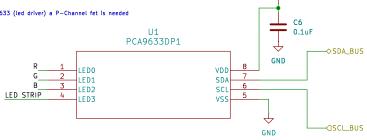


### Ambiens SC1 Indicator

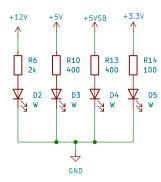


- The main LED Indicator is powered with the 5V standby source of the power supply to be able to stay turned on (with a different color) when the chamber is turned off.
- The led strip should be turned off when the chamber is off, so it is powered with the normal 5V rail.
- Due to a limitation of the PCA9633 (led driver) a P-Channel fet is needed to control the led strip.

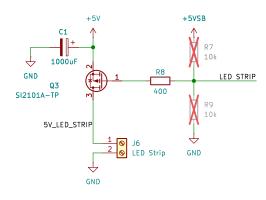


+5VSB

### PCB PWR Indicators



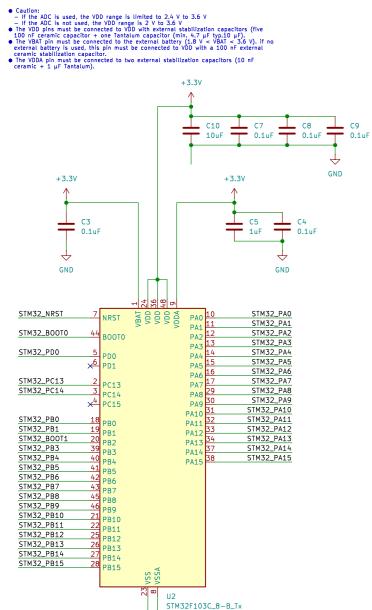
## Ambiens SC1 Chamber Lightening



Title	1
Sheet: /leds/ File: leds.kicad_sch	D

Tree.			
Size: A4	Date:	Rev:	
KiCad E.D.A. 8.0.1		ld: 3/3	

STM32



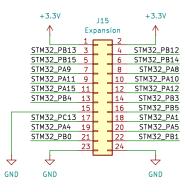
**†** 

GND

#### **Mappings** STM32\_PB9 STM32\_PB8 --◇SDA\_BUS -DSCL\_BUS STM32\_PB11 ♦SDA\_CTRL STM32\_PB10 ⊸dscl\_ctrl STM32\_PA6 →HEATER FAN CTRL STM32\_PA7 →HEATER\_CTRL STM32\_PA0 → HEATER\_TEMP STM32\_PA3 →AQ FAN CTRI STM32\_PA2 -◇AQ\_FAN\_TACH PROG\_SWD STM32\_PA14 PROG\_SCLK STM32\_PB6 STM32\_PB7 USART1 TX USART1\_RX

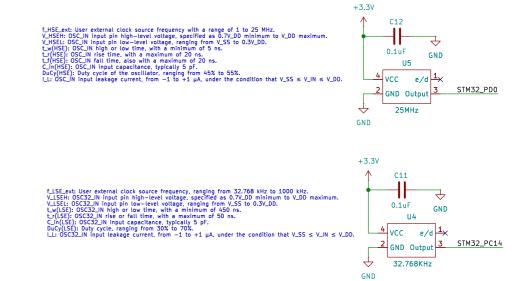
## Expansion

12C Bus





### Oscillators



# Control Interface

