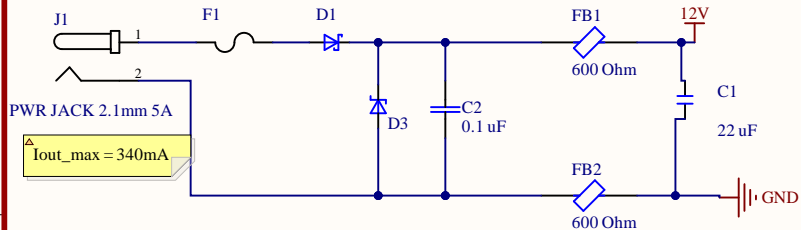
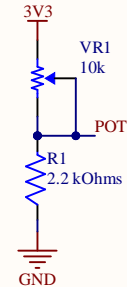


POWER_INPUT_AND_FILTER



LEDS CONTROL



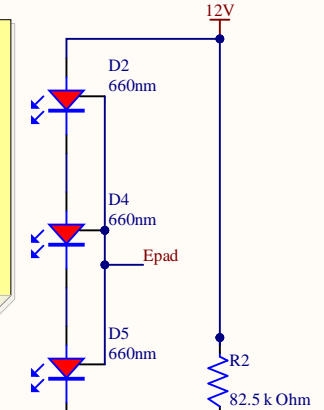
LED_DRIVER

$$R_{BIAS} = (V_{CC} - 3.75V) / 0.1mA$$

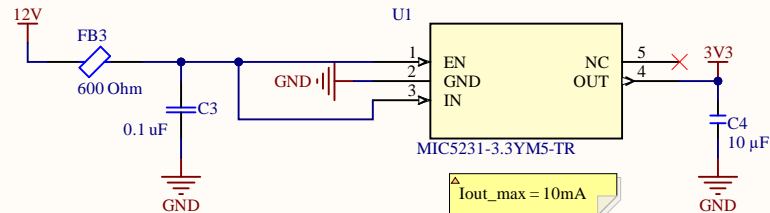
$$R_{BIAS} = (12V - 3.75V) / 0.1mA = 82.5k\Omega$$

$$R_{EXT} = V_{RSET} / I_{LED}$$

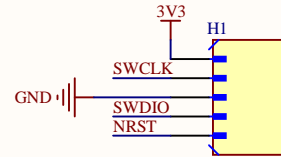
$$R_{EXT} = 0.56V / 350mA = 1.6\Omega$$



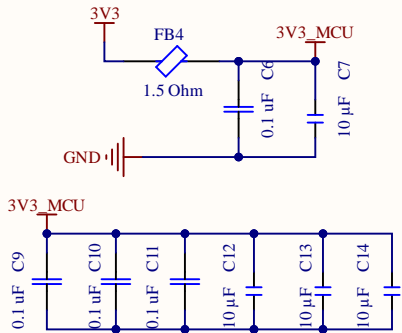
DC/DC 12V TO 3V3



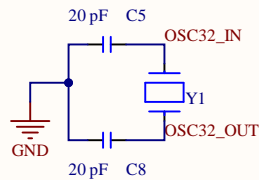
ST- Link



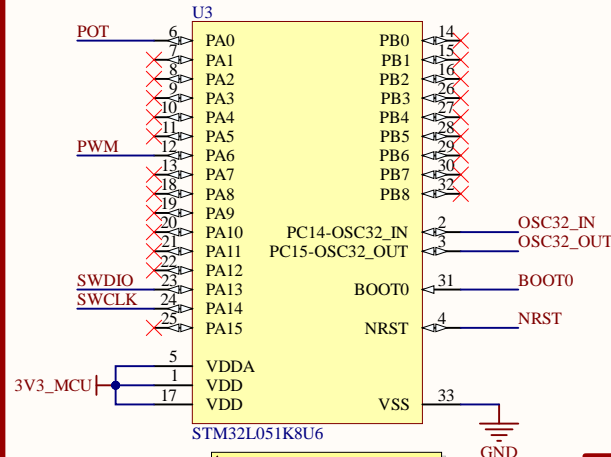
MCU POWER INPUT



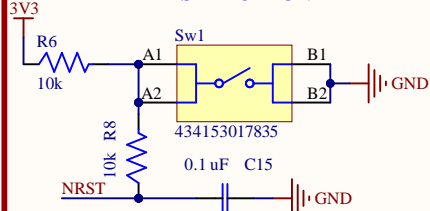
CRYSTALL OSCILLATOR



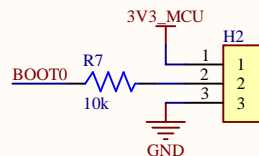
STM32 MICROCONTROLLER



RESET BUTTON



BOOT MODES



Title Main		
Size A4	Number	Revision V1
Date: 10/25/2024	Sheet of	
File: C:\Users\...\Main.SchDoc	Drawn By: Kamilo Yani Vam Burbano Rinco	

