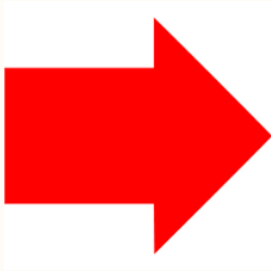
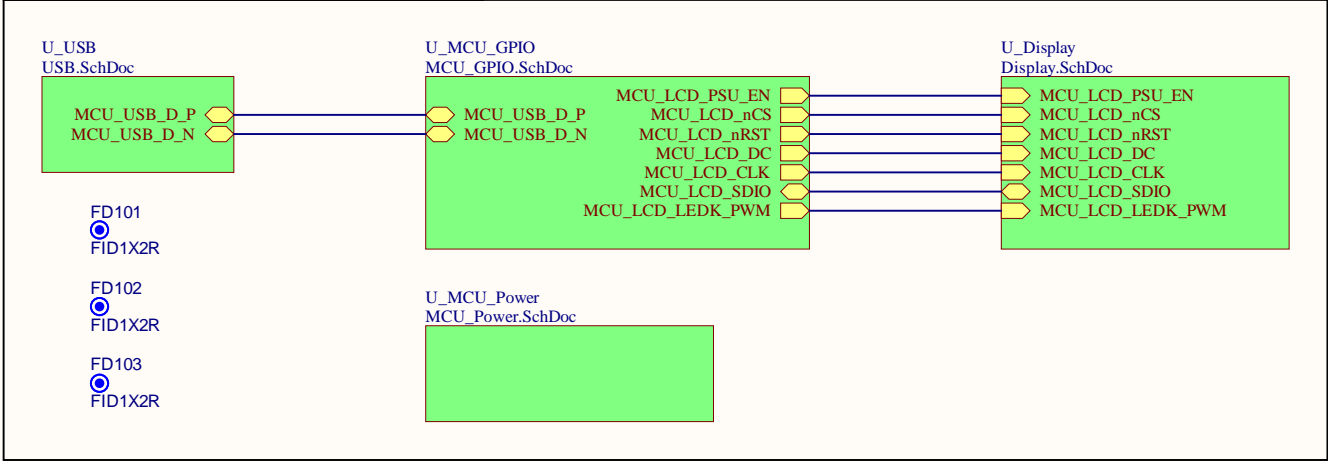


# Kerst 2025 Mantel Clock

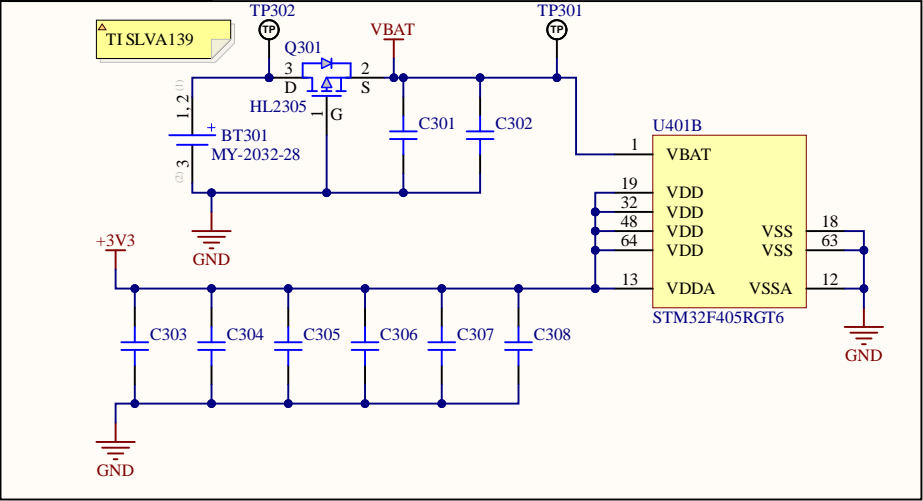


Title			<b>Kerst 2025 Mantel Clock</b>
Size	Number	Revision	
A4	<b>1</b>	<b>v1.0</b>	
Date:	12/09/2025	Sheet 1 of 5	
File:	C:\Users\...\Top_Kerst_2025.SchDoc	Drawn By:	





# MCU Power Section

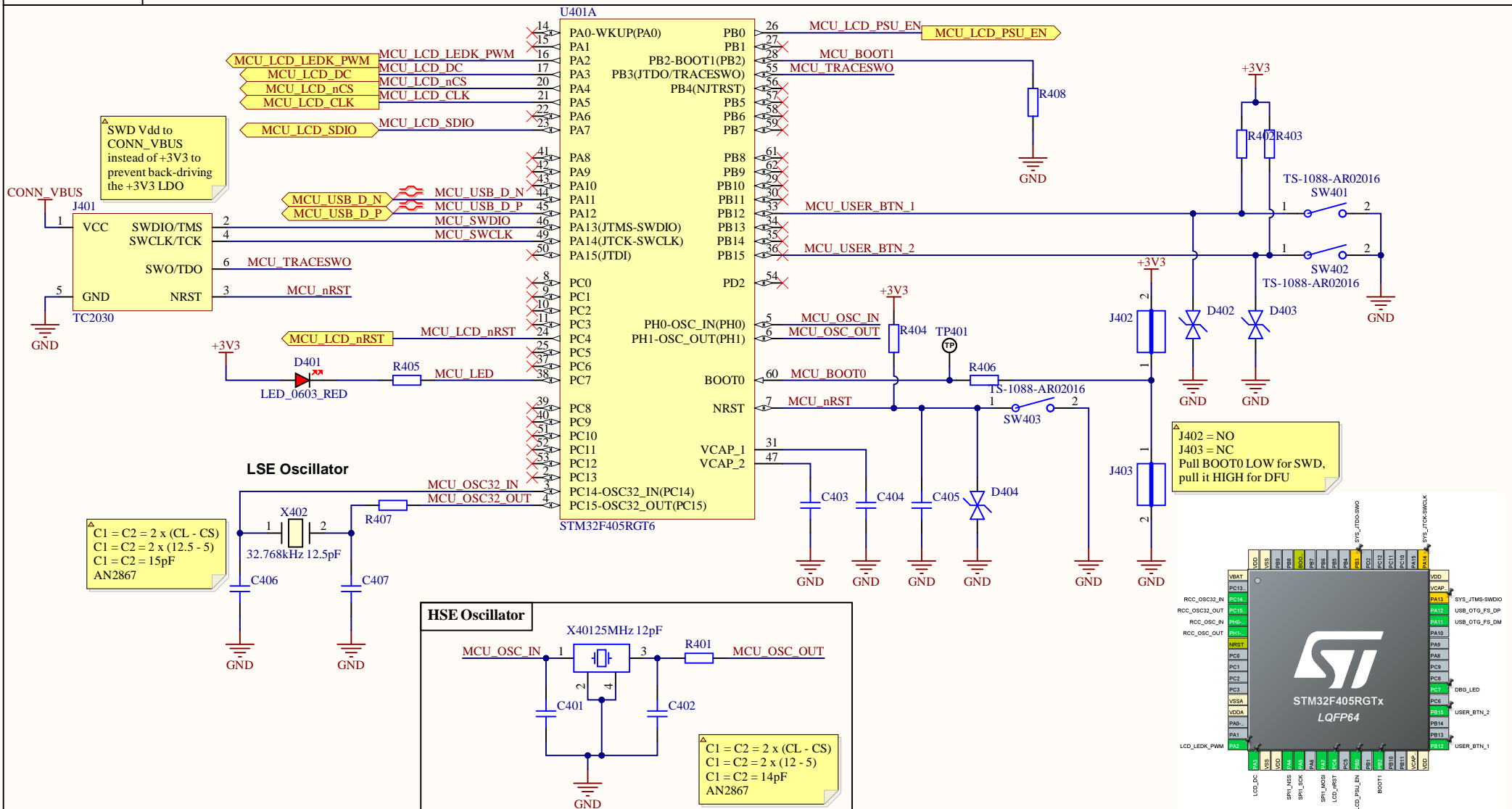


## Links

[https://www.ti.com/lit/an/slva139/slva139.pdf?ts=1762852478366&ref\\_url=https%253A%252F%252Fwww.google.com%252F](https://www.ti.com/lit/an/slva139/slva139.pdf?ts=1762852478366&ref_url=https%253A%252F%252Fwww.google.com%252F)

Title			
MCU Power Section			
Size	Number	Revision	
A4	3	v1.0	
Date:	12/09/2025	Sheet 3 of 5	
File:	C:\Users\...\MCU_Power.SchDoc	Drawn By:	

# Main MCU section



## Links

[https://www.st.com/resource/en/application\\_note/an2867-guidelines-for-oscillator-design-on-stm8afals-and-stm32-mcusmpus-stmicroelectronics.pdf](https://www.st.com/resource/en/application_note/an2867-guidelines-for-oscillator-design-on-stm8afals-and-stm32-mcusmpus-stmicroelectronics.pdf)  
[https://support.epson.biz/td/api/doc\\_check.php?mode=dl&lang=en&Parts=FC-135](https://support.epson.biz/td/api/doc_check.php?mode=dl&lang=en&Parts=FC-135)  
[http://nic.vajn.icu/PDF/STMicro/ARM/STM32F4/STM32F4xx\\_Hardware\\_Dev.pdf](http://nic.vajn.icu/PDF/STMicro/ARM/STM32F4/STM32F4xx_Hardware_Dev.pdf)

Title			MCU I/O	
Size	Number	4		Revision
A4				v1.0
Date:	12/09/2025	Sheet 4 of 5		
File:	C:\Users\...\MCU_GPIO.SchDoc	Drawn By:		

