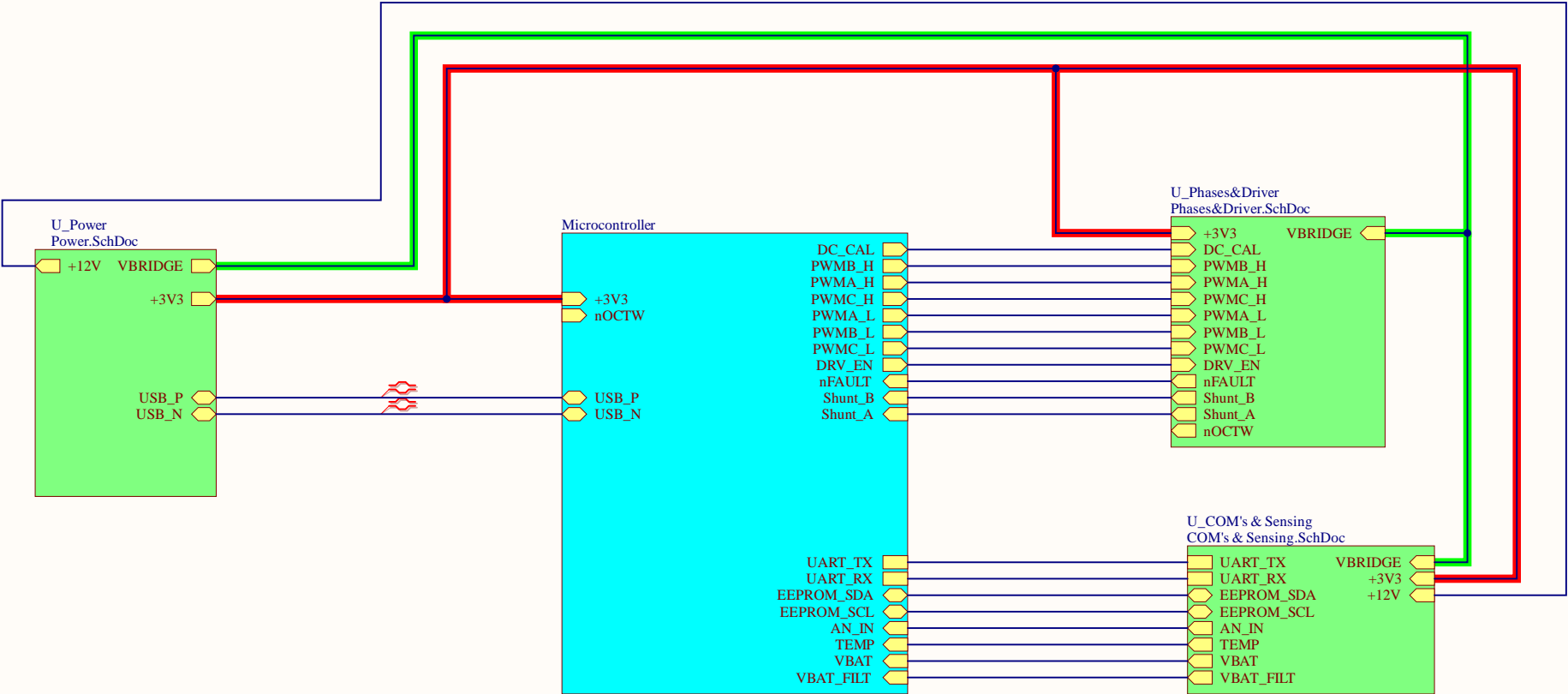
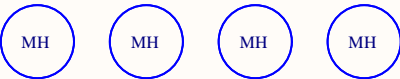


[1] Main

VIN: Led acid battery input 10-15V
Imax: 30A



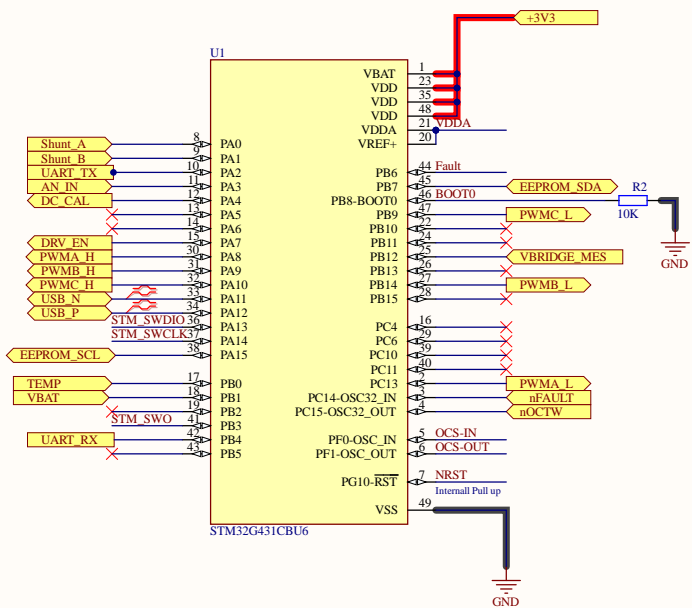
Mounting Holes



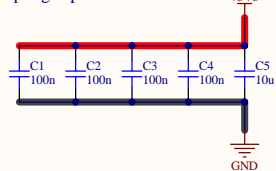
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Date:	6/07/2024	Sheet of
File:	C:\Users\...\Main.SchDoc	Drawn By:

[2] Microcontroller

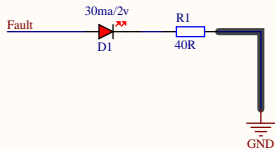
STM-UC



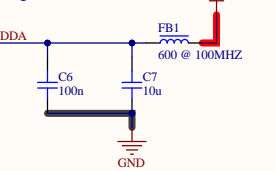
Decoupling caps



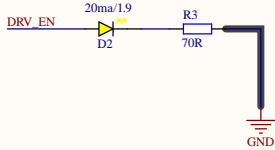
Fault Indicator



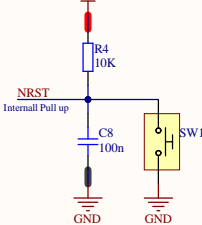
Analog VDD



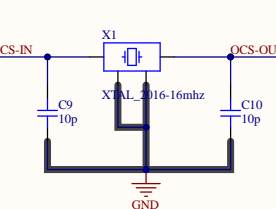
DRV_EN Indicator



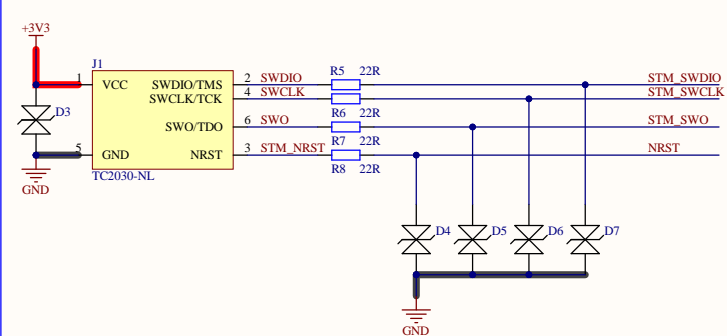
NRST



OSC



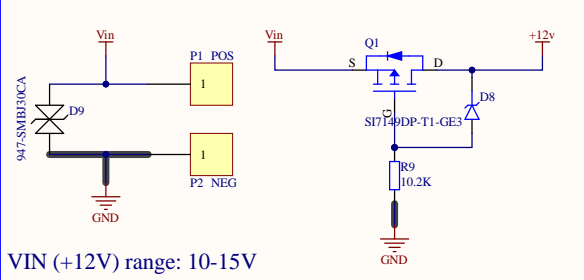
SWD



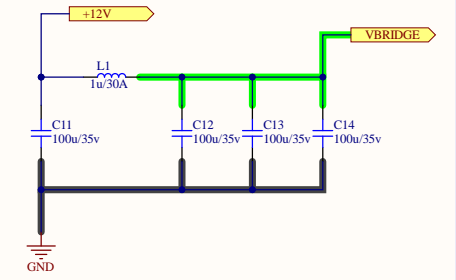
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Size	Number	Revision
A3		
Date:	6/07/2024	Sheet of
File:	C:\Users\...\Microcontroller.SchDoc	Drawn By:

[3] Power

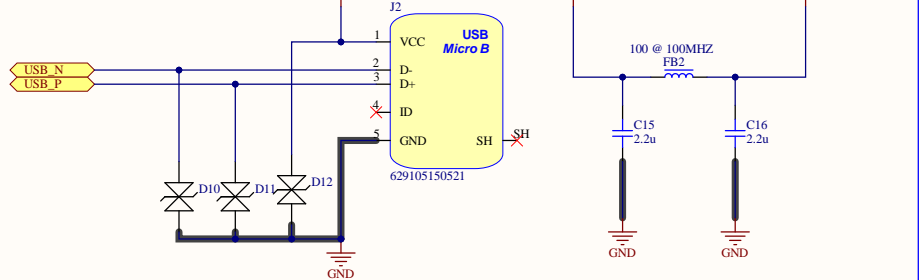
Input CON & Reverse polarity protection



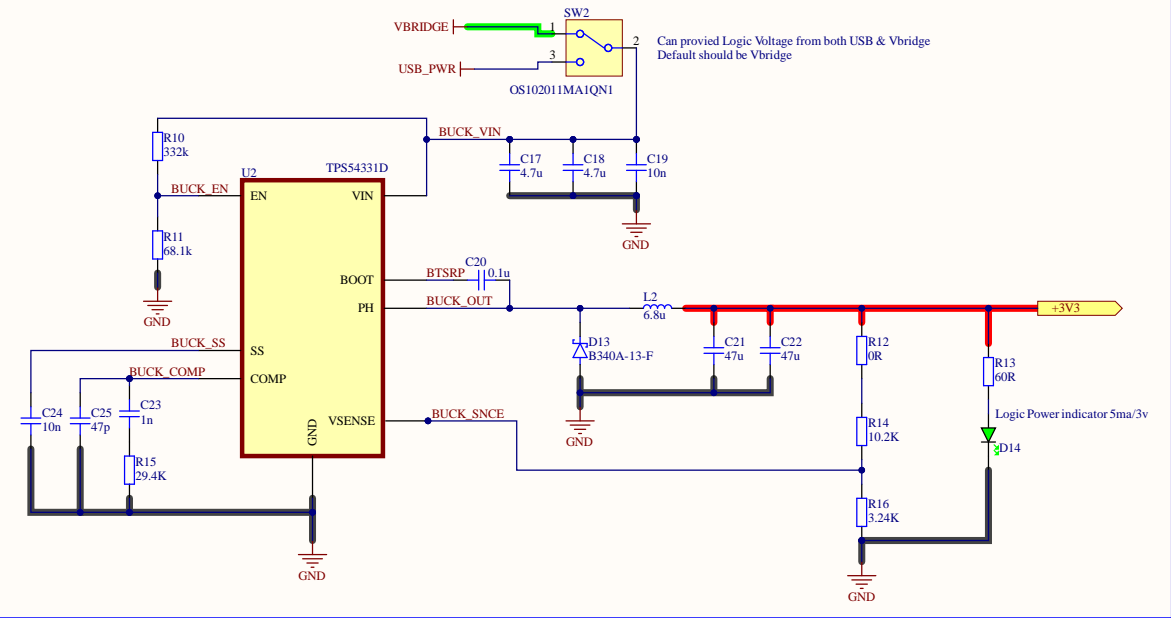
VIN -> VBRIDGE FILTER



USB



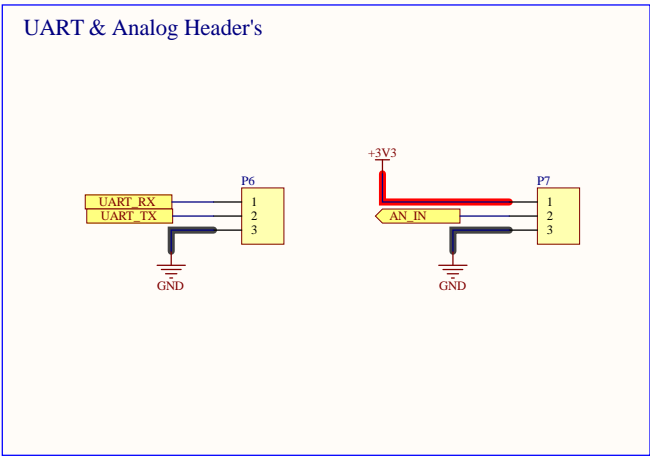
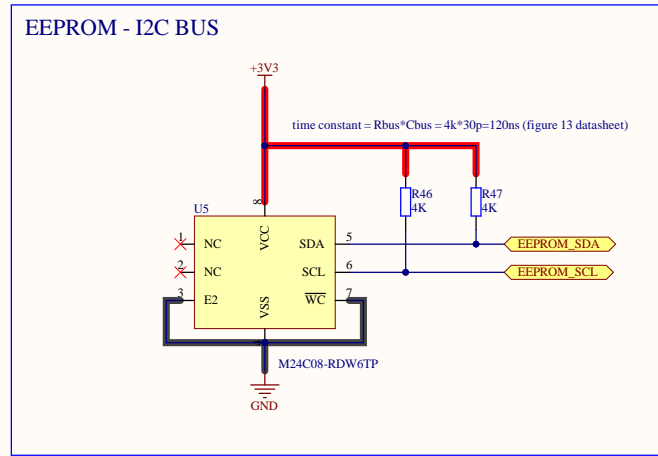
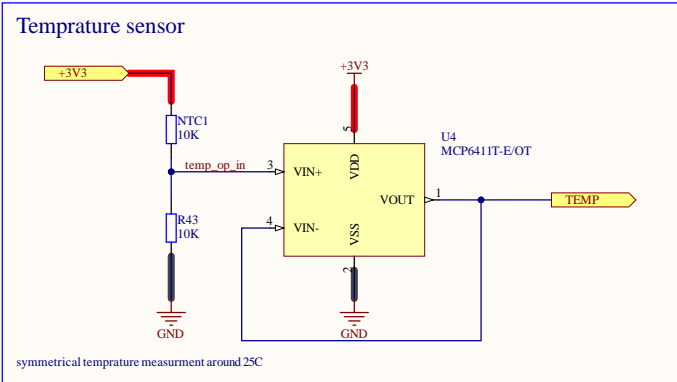
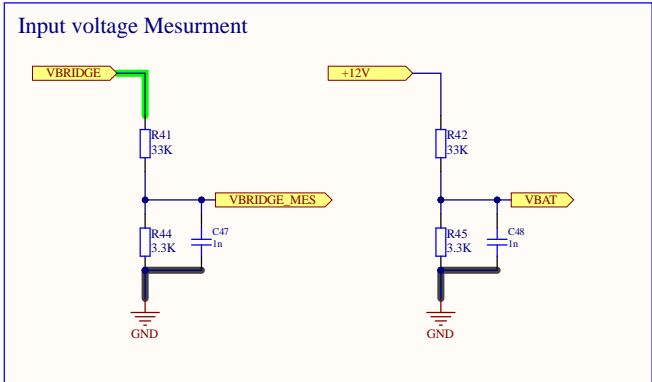
+3V3 BUCK
TPS54331 datasheet 8.2 typical application



Title		
Size	Number	Revision
A3		
Date:	6/07/2024	Sheet of
File:	C:\Users\...\Power.SchDoc	Drawn By:

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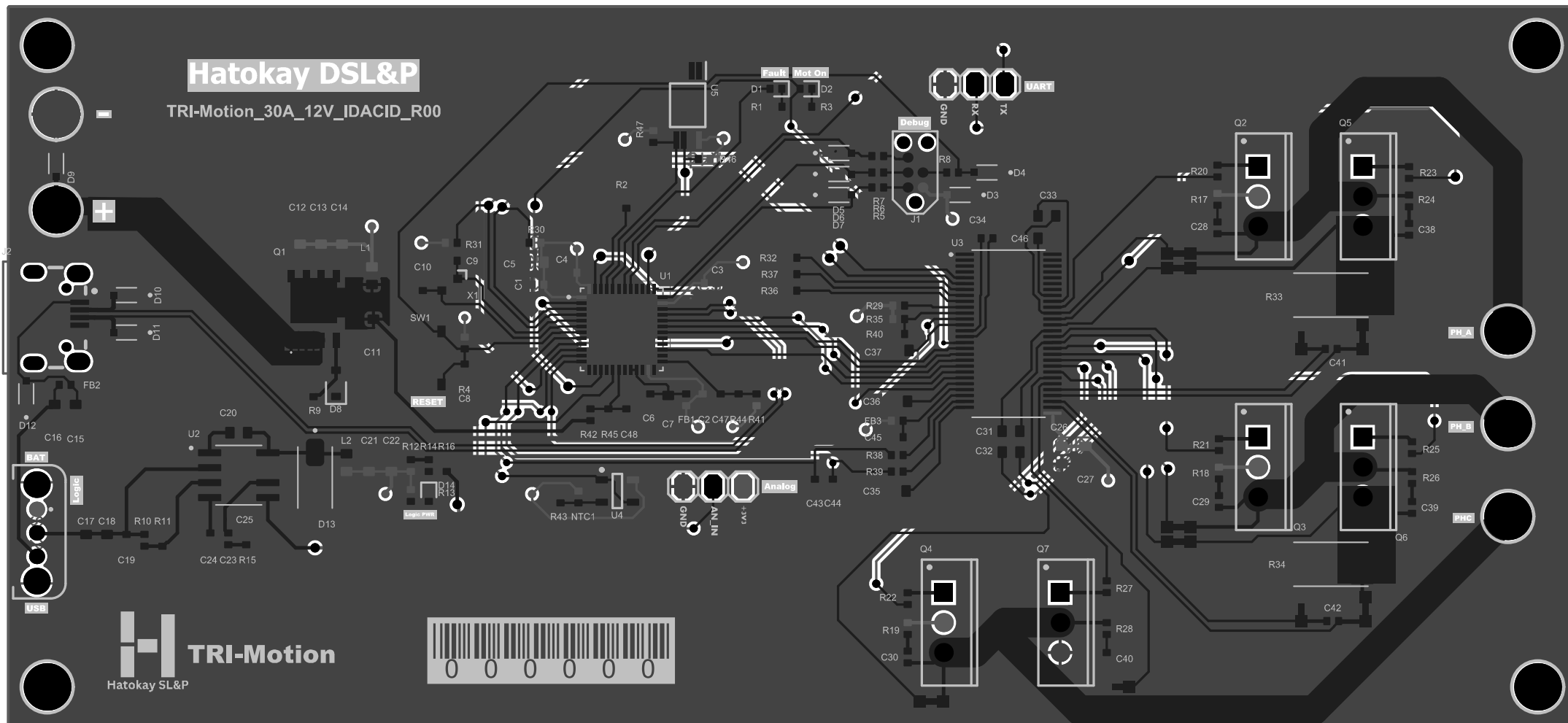
[5] COM's & Sensing



Title		
Size	Number	Revision
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Date:	6/07/2024	Sheet of
File:	C:\Users\...\COM's & Sensing.SchDoc	Drawn By:

Hatokay DSL&P

TRI-Motion_30A_12V_IDACID_R00



TRI-Motion
Hatokay SL&P

