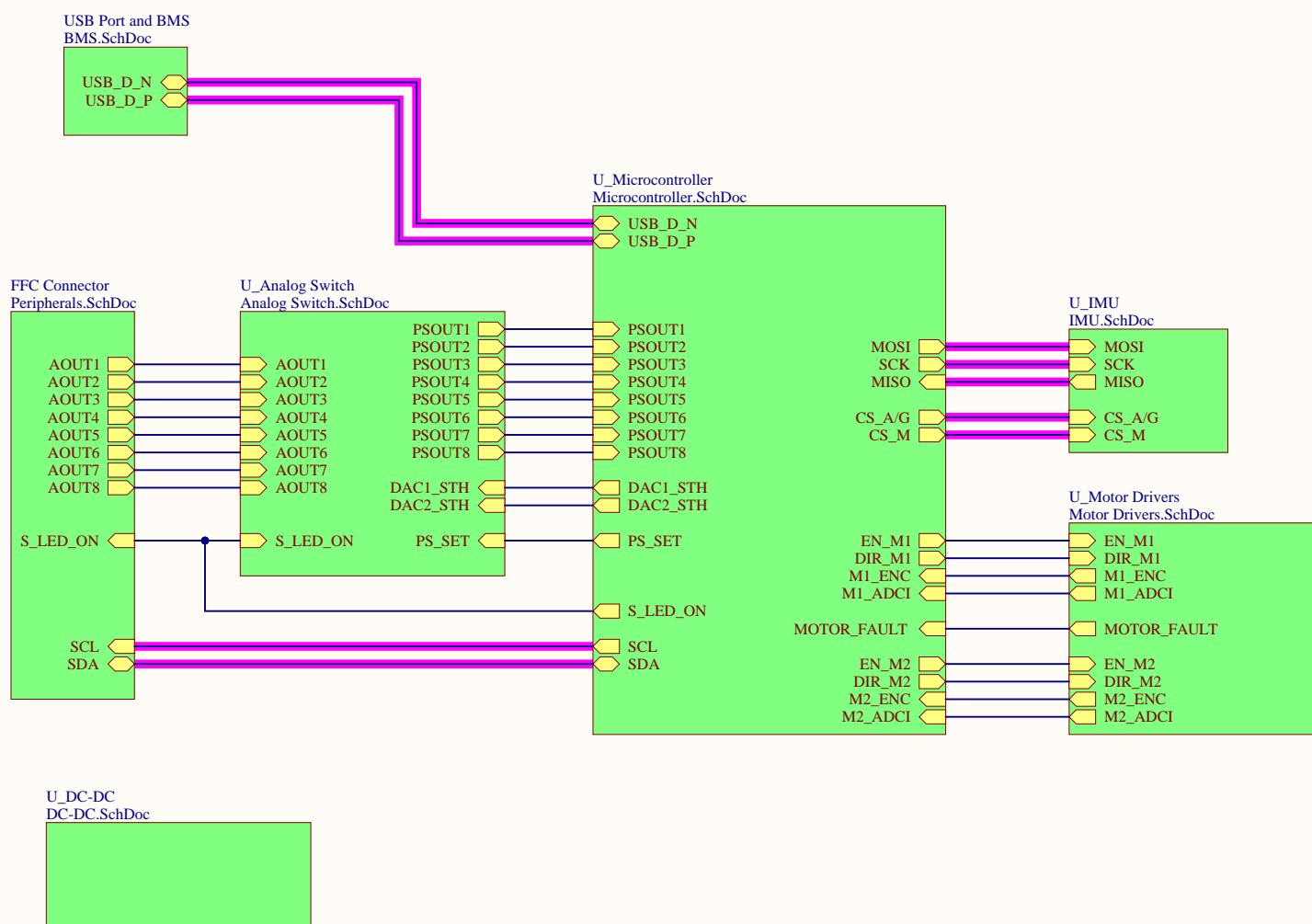


A

A



B

B

C

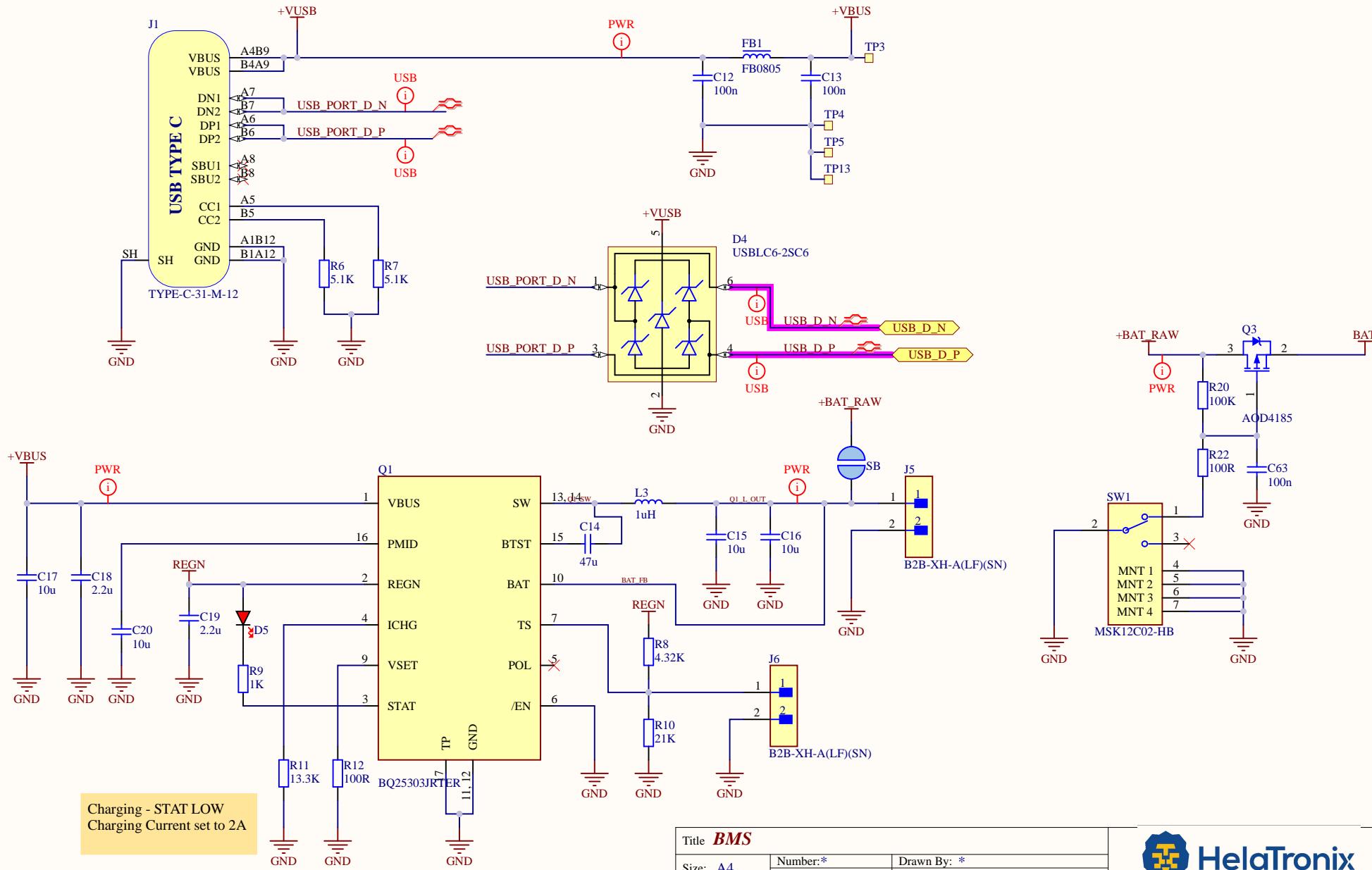
C

D

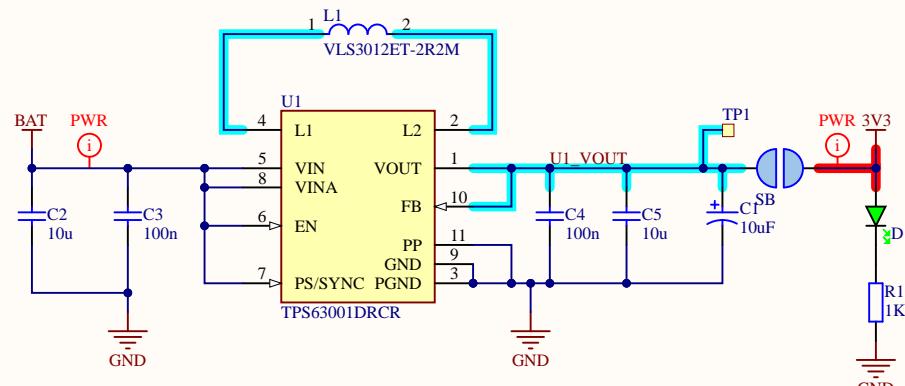
D

Title *Cover Page*

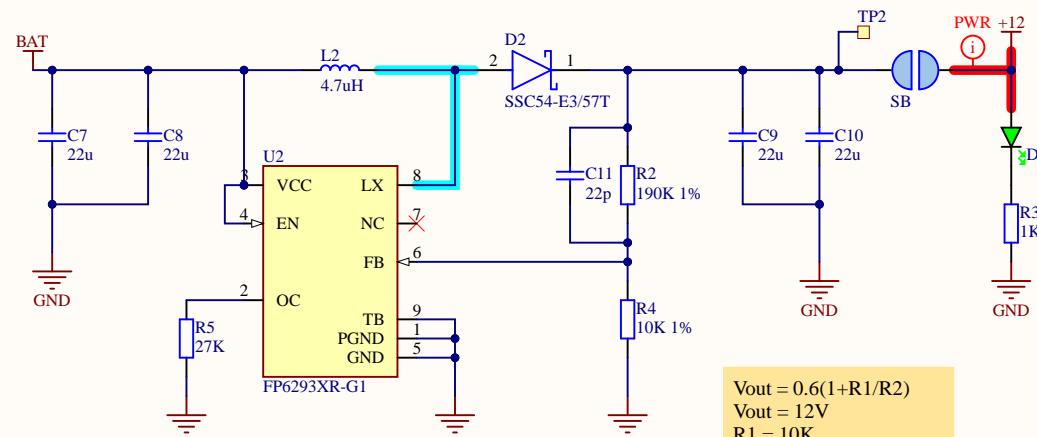
Size: A4	Number:*	Drawn By: *
Revision:*		Cheked by:*
Date: 06/09/2023	Time: 16:03:17	Sheet 1 of 8
File: Cover Page.SchDoc		



A



B



$$\begin{aligned} V_{out} &= 0.6(1+R_1/R_2) \\ V_{out} &= 12V \\ R_1 &= 10K \\ R_2 &= 190K \end{aligned}$$

C

D

Title DC-DC		
Size: A4	Number: *	Drawn By: *
Revision: *	Cheked by: *	
Date: 06/09/2023	Time: 16:03:17	Sheet 3 of 8
File: DC-DC.SchDoc		

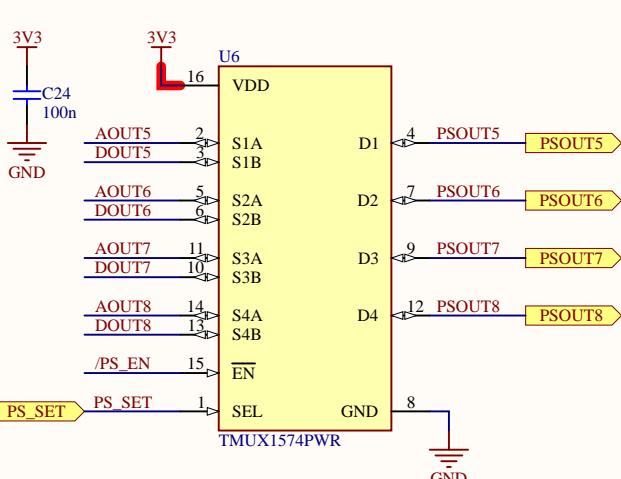
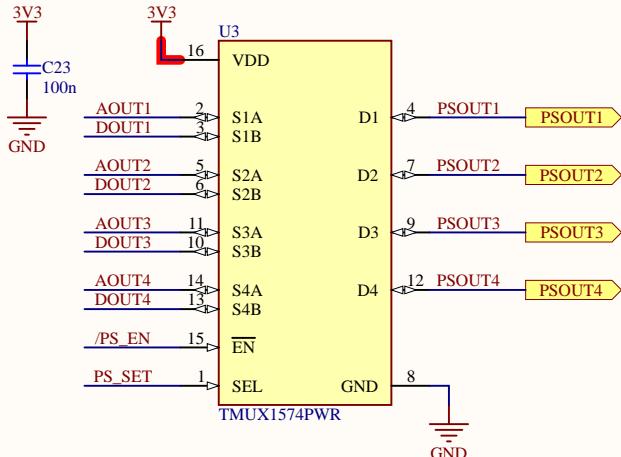
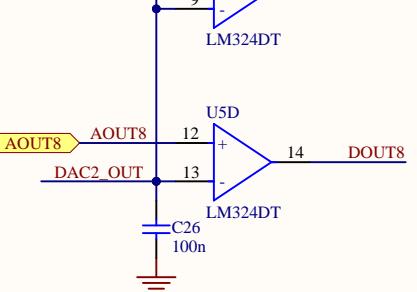
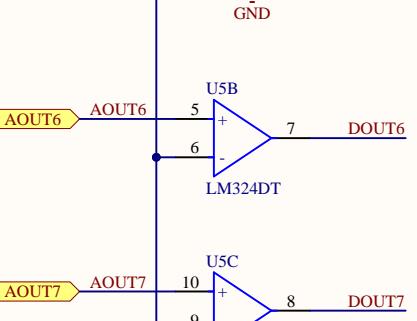
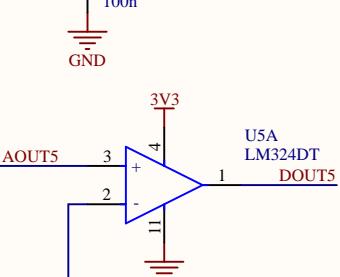
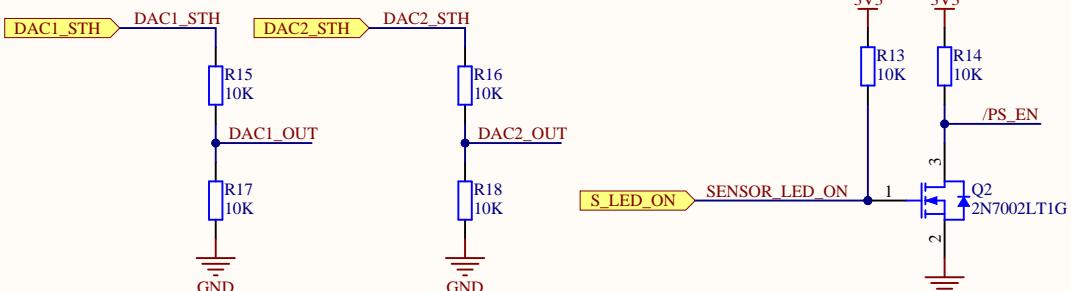
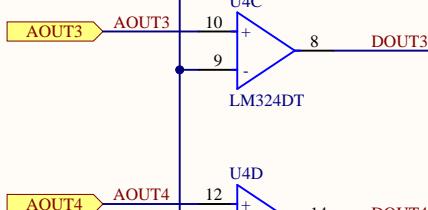
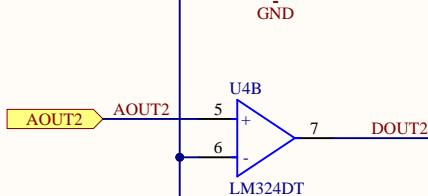
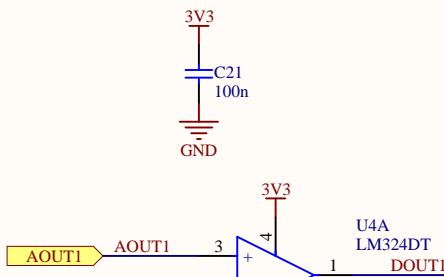
1

2

3

4

A

Title *Analog Switch*

Size: A4 Number: * Drawn By: *

Revision: * Checked by: *

Date: 06/09/2023 Time: 16:03:17 Sheet 4 of 8

File: Analog Switch.SchDoc

A

B

C

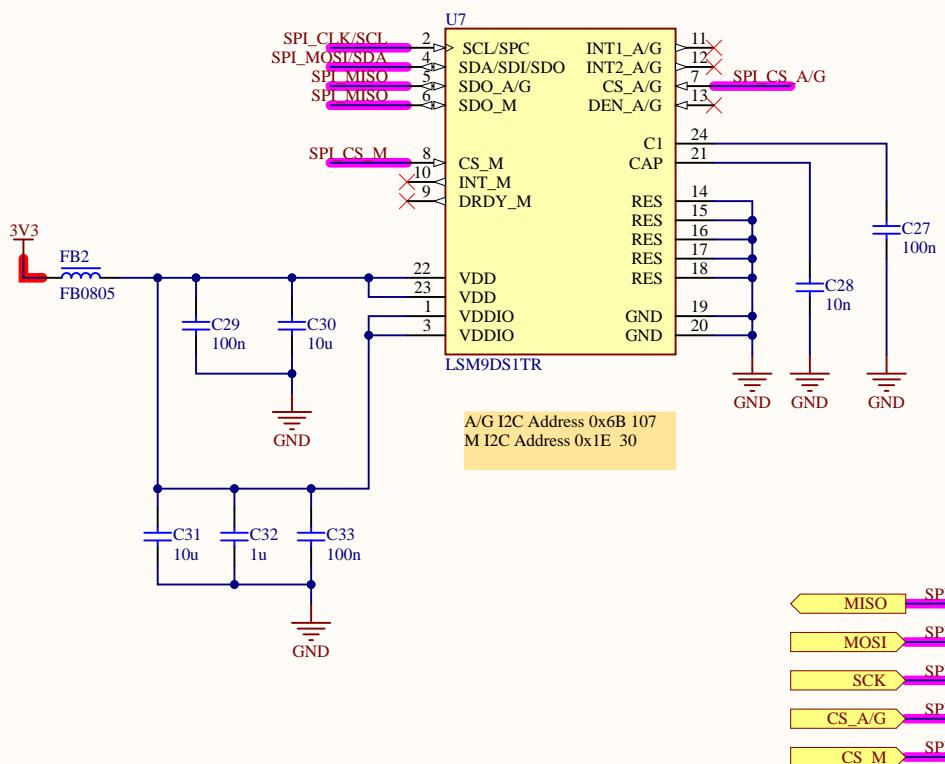
D

A

B

C

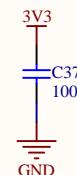
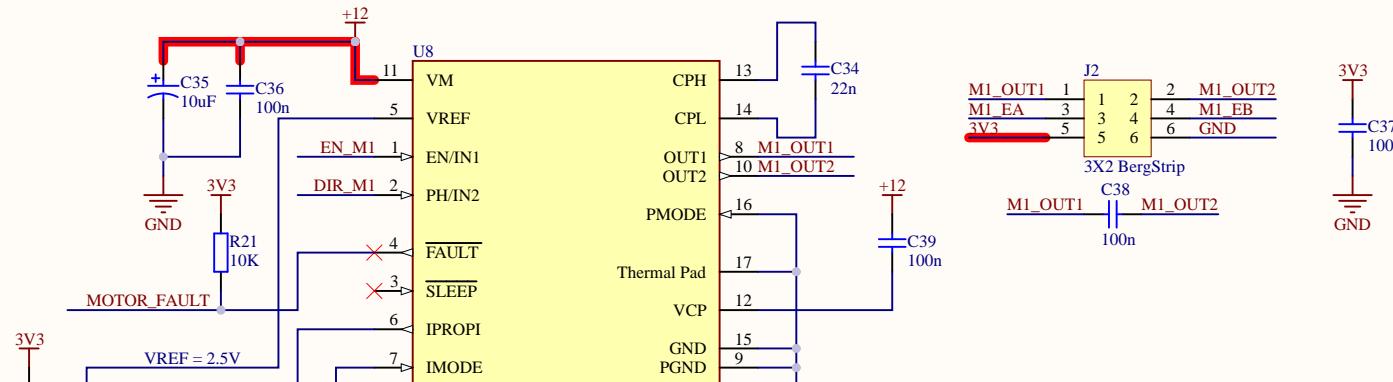
D

Title **IMU**Size: **A4** Number: * Drawn By: *

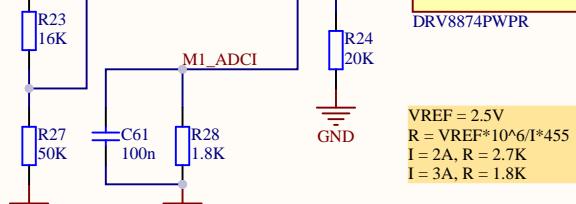
Revision: * Checked by: *

Date: **06/09/2023** Time: **16:03:17** Sheet **5** of **8**File: **IMU.SchDoc**

A

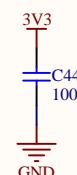
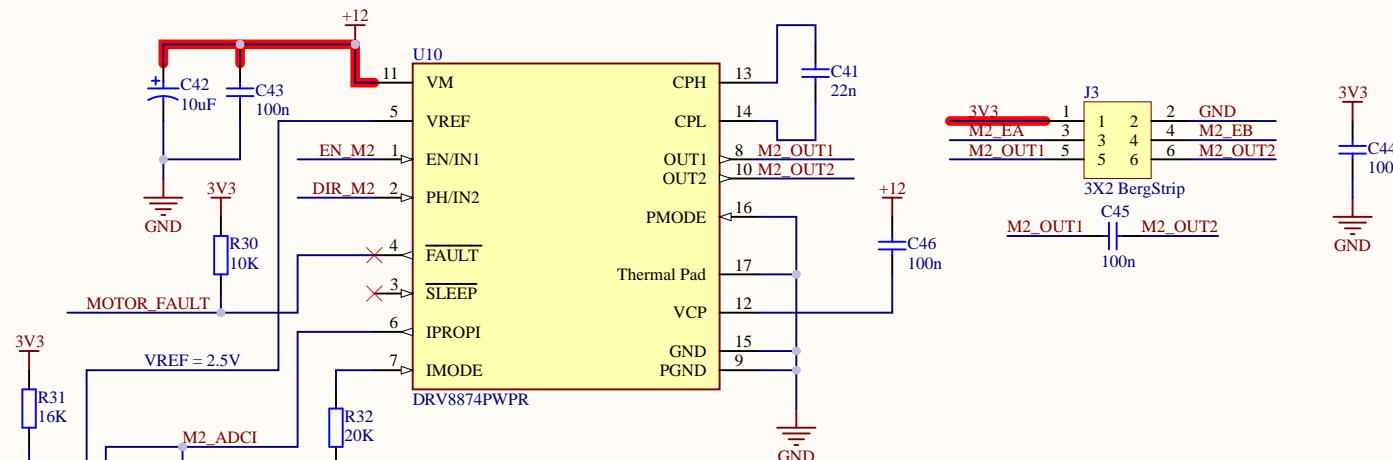


B



$$\text{VREF} = 2.5V \\ R = \text{VREF} * 10^6 / I * 455 \\ I = 2A, R = 2.7K \\ I = 3A, R = 1.8K$$

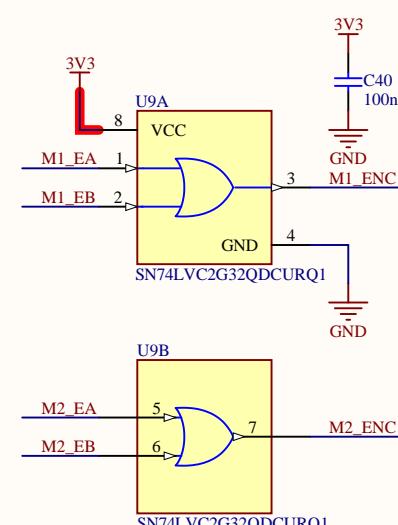
C



D



$$\text{VREF} = 2.5V \\ R = \text{VREF} * 10^6 / I * 455 \\ I = 2A, R = 2.7K \\ I = 3A, R = 1.8K$$



Title **Motor Drivers**

Size: A4	Number: *	Drawn By: *
Revision: *	Checked by: *	
Date: 06/09/2023	Time: 16:03:17	Sheet 6 of 8
File: Motor Drivers.SchDoc		

A

A

B

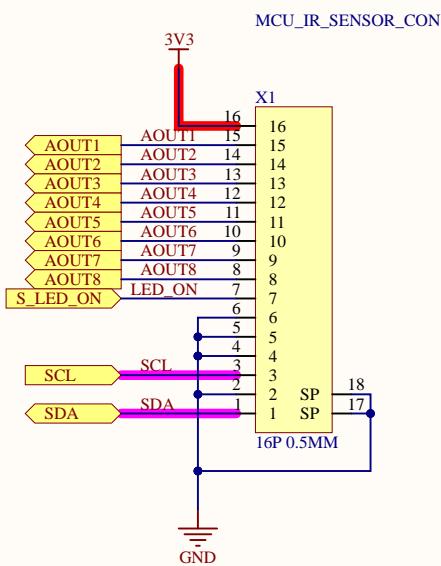
B

C

C

D

D

Title *Peripherals*

Size: A4	Number:*	Drawn By: *
	Revision:*	Cheked by: *
Date: 06/09/2023	Time: 16:03:18	Sheet 7 of 8
File: Peripherals.SchDoc		

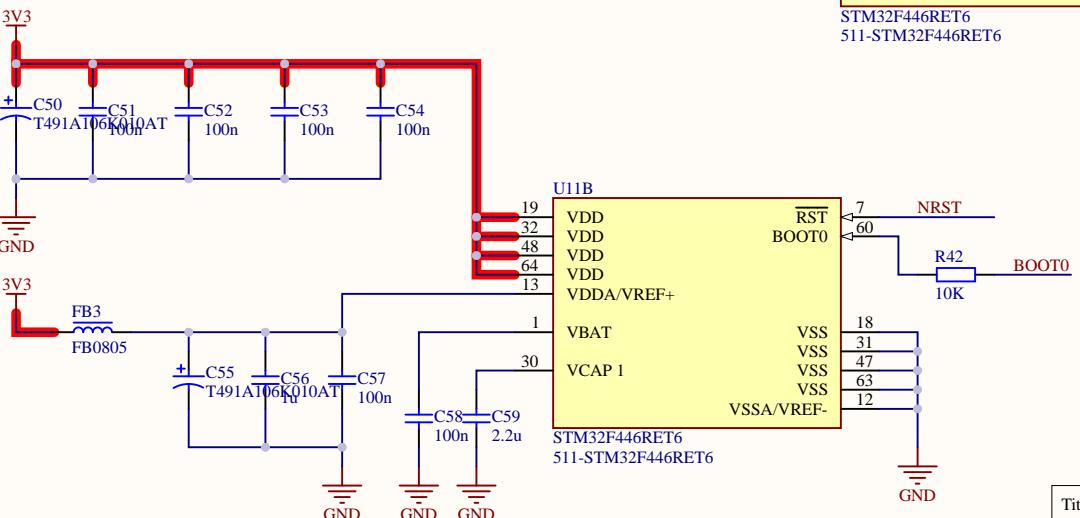
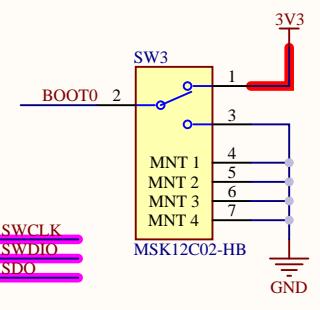
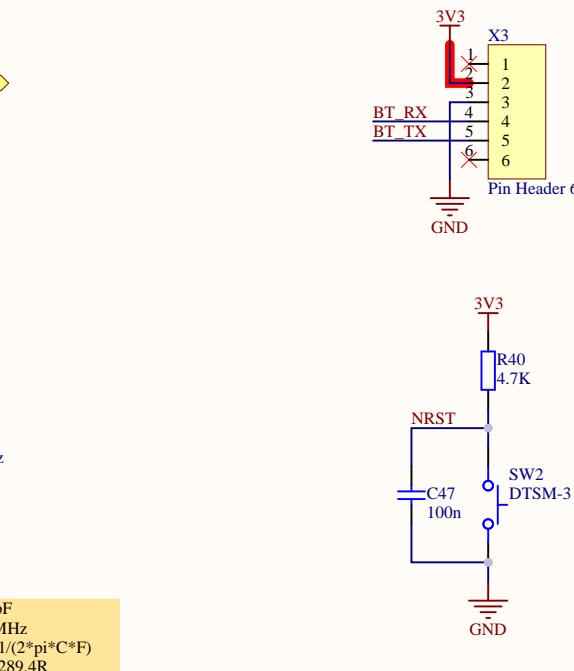
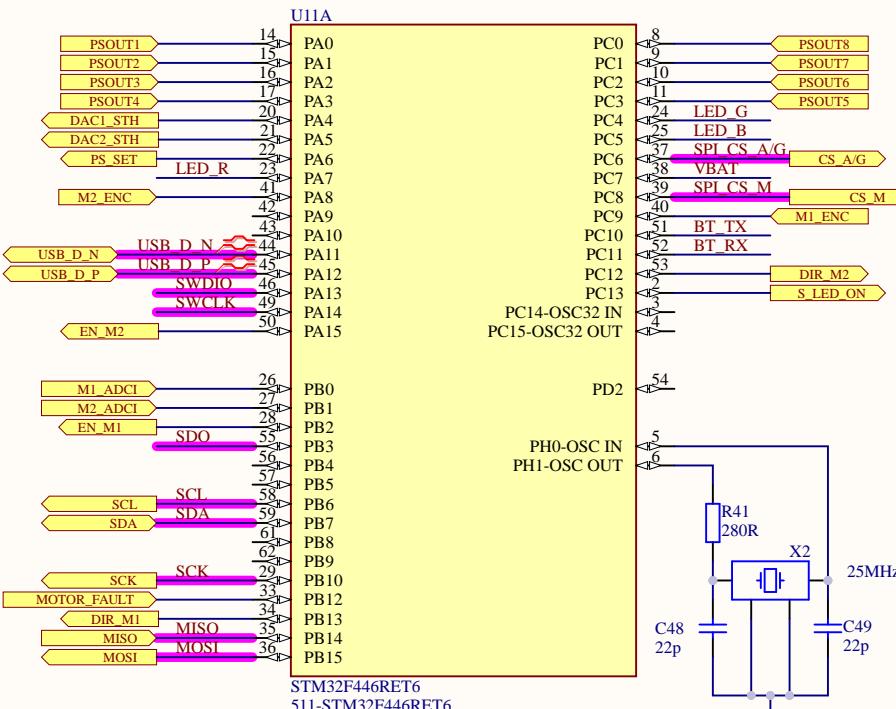
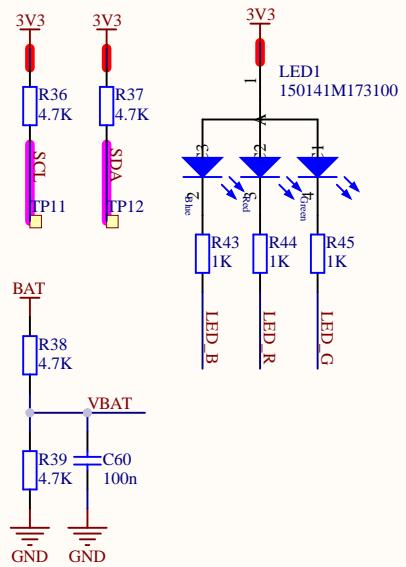


1

2

3

4



Title **Microcontroller**

Size: A4	Number: *
Revision: *	Drawn By: *

Date: 06/09/2023	Time: 16:03:18
Sheet 8	of 8

File: Microcontroller.SchDoc
