

1	2	3	4
A			A
B			B
C			C
D			D
1	2	3	4

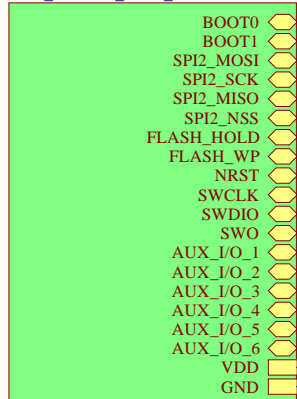
U_1
1.1.0_Interface_board.SchDoc

U_1
1.2.0_XBee_module.SchDoc

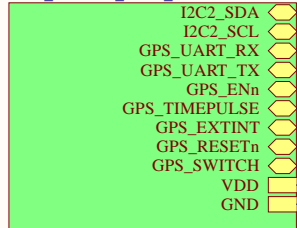
U_1
1.3.0_Power_board.SchDoc

Title 1.0.0_Overall_Rocket_Eletrical.SchDoc		
Size A4	Number	Revision
Date: 09.04.2017	Sheet1 of 14	
File: F:\EPFL\...\1.0.0_Overall_Rocket_Eletrical.SchDoc	Drawn by:	

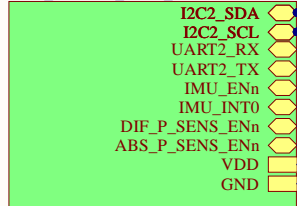
U_1
1.1.3_Interface_board_SWD&FLASH&IO.SchDoc



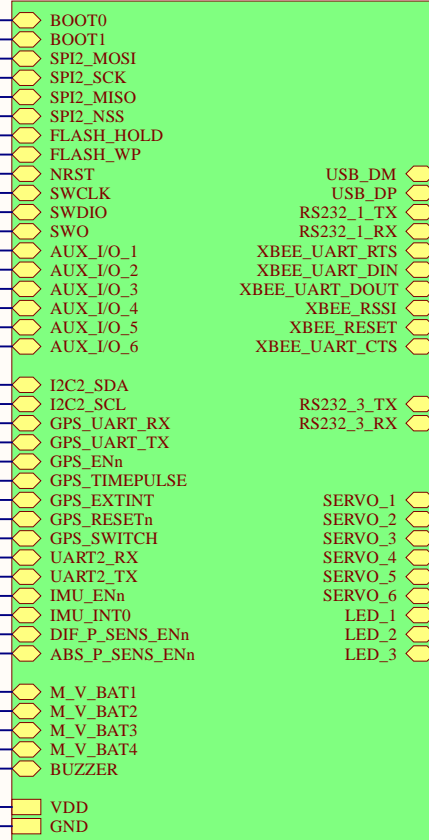
U_1
1.1.7_Interface_board_GNSS.SchDoc



U_1
1.1.6_Interface_board_Pressure&IMU.SchDoc



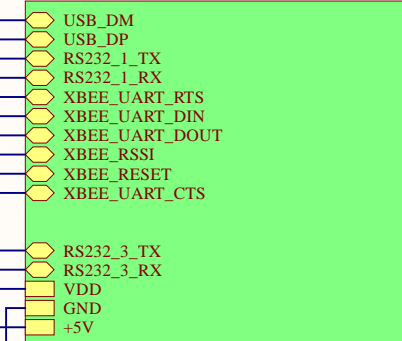
U_1
1.1.1_Interface_board_MCU.SchDoc



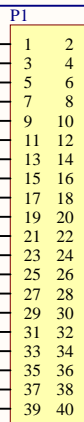
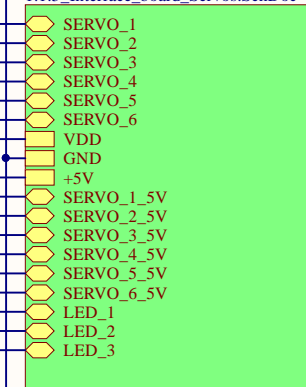
U_1
1.1.2_Interface_board_Power_Supply.SchDoc



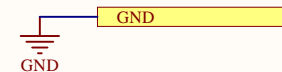
U_1
1.1.4_Interface_board_USB&XBee&RS232.SchDoc



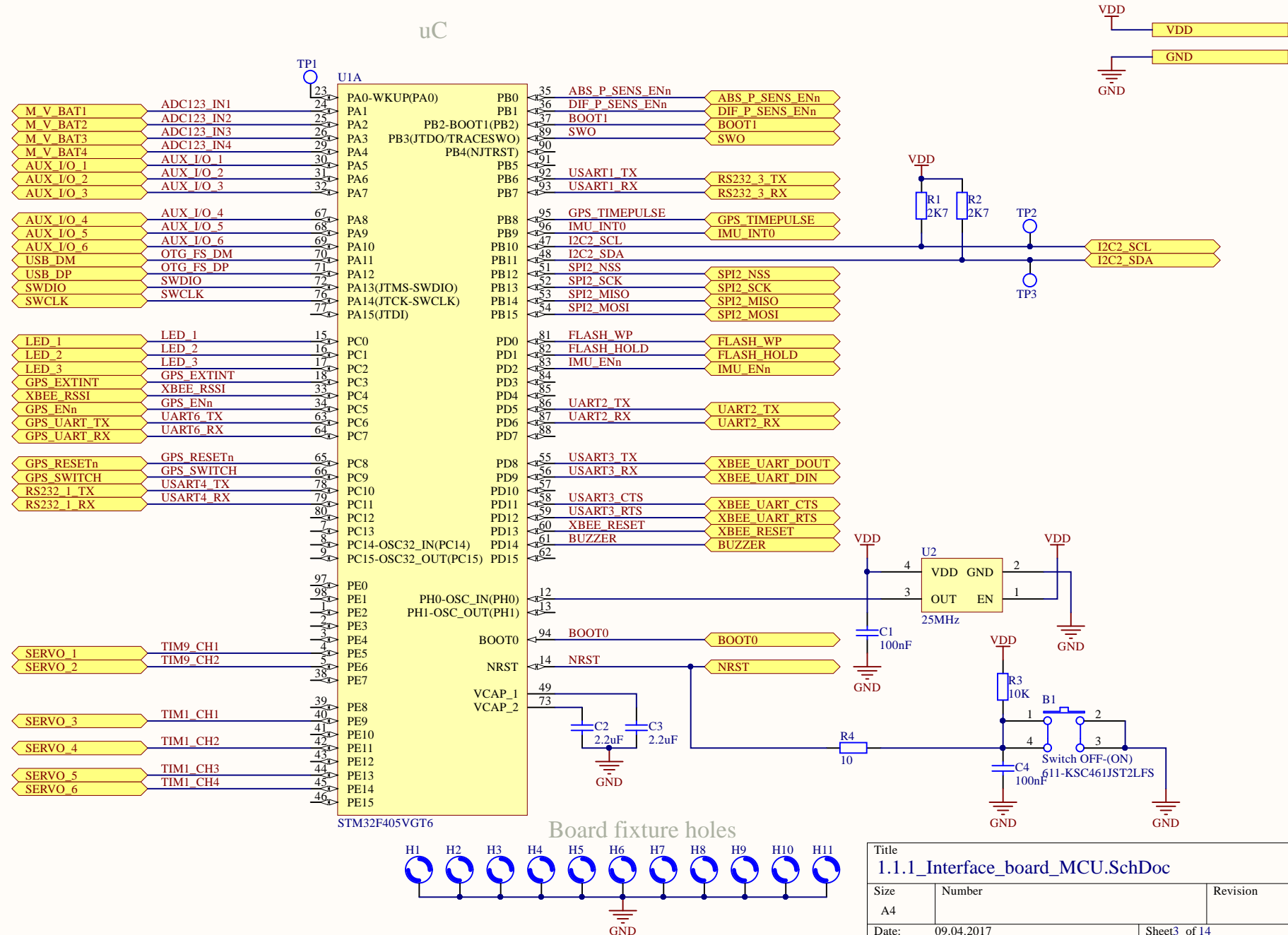
U_1
1.1.5_Interface_board_Servos.SchDoc



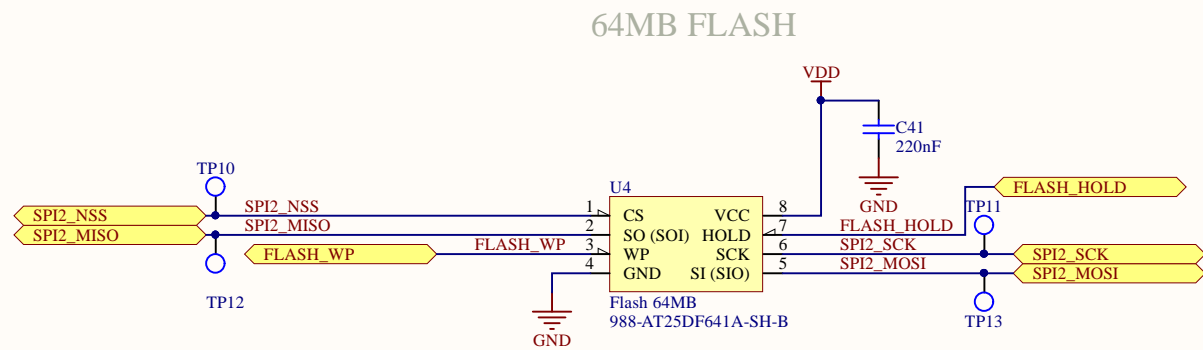
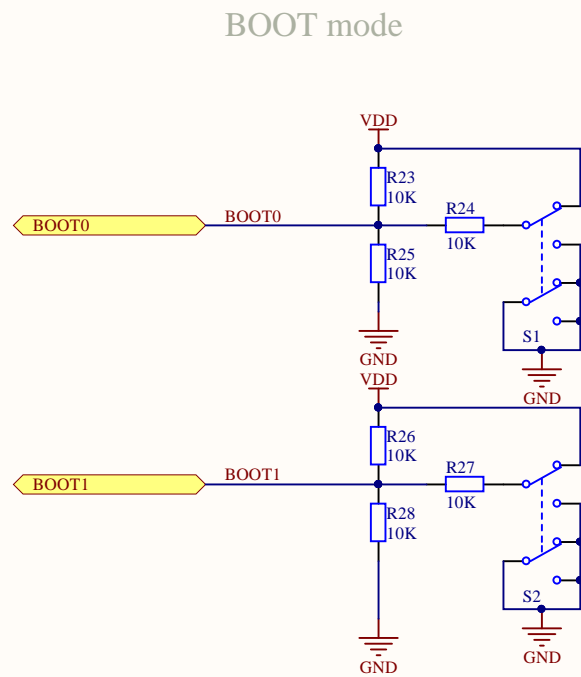
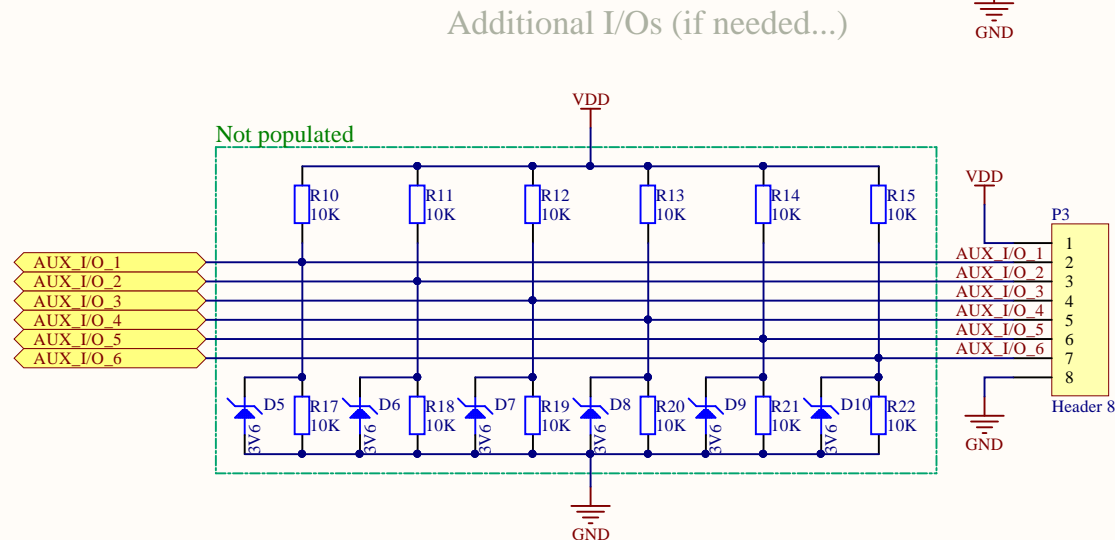
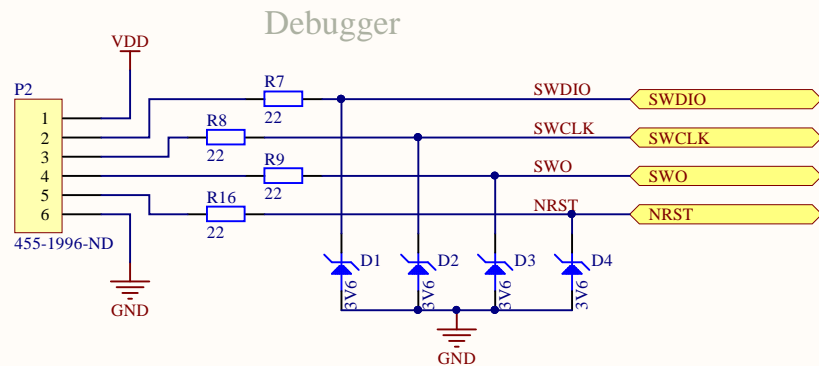
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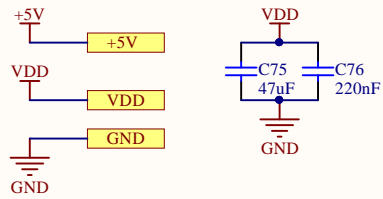
Title 1.1.0_Interface_board.SchDoc		
Size A4	Number	Revision
Date: 09.04.2017	Sheet2 of 14	
File: F:\EPFL\...\1.1.0_Interface_board.SchDoc	Drawn By:	



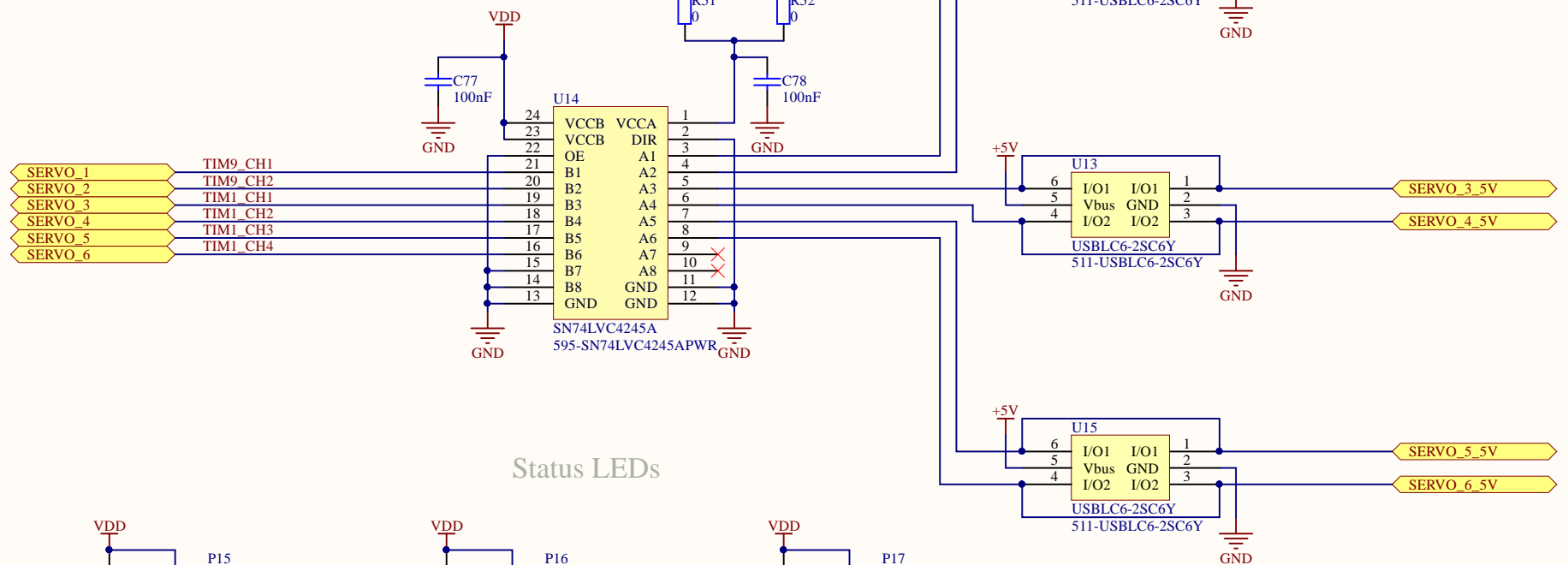
Title		
1.1.1_Interface_board_MCU.SchDoc		
Size	Number	Revision
A4		
Date:	09.04.2017	Sheet3 of 14
File:	F:\EPFL\...\1.1.1_Interface_board_MCU.SchDoc	Drawn By:



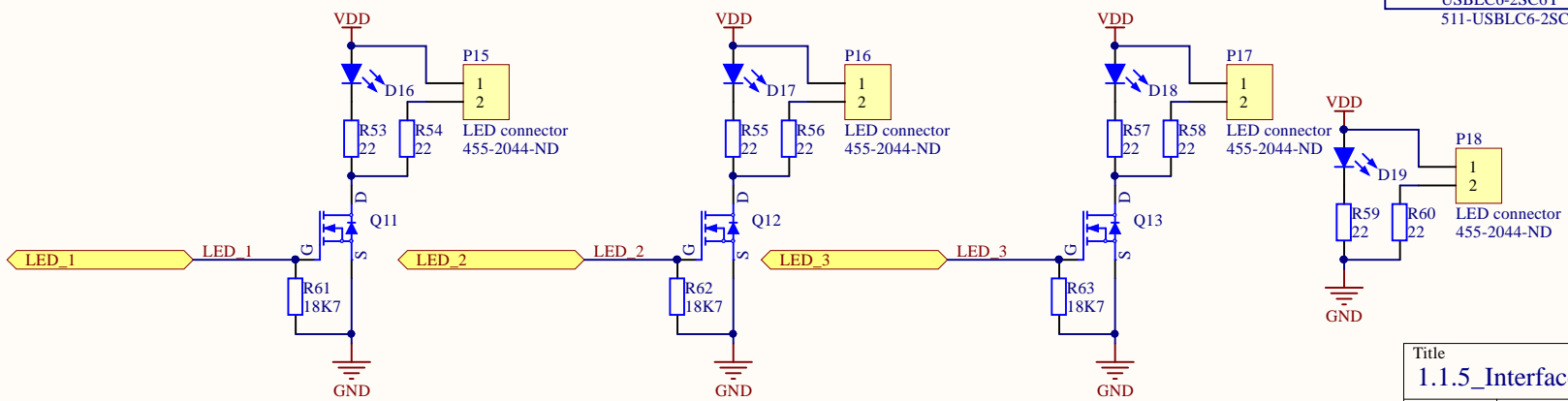
Title		
1.1.3_Interface_board_SW&FLASH&IO.SchDoc		
Size	Number	Revision
A4		
Date:	09.04.2017	Sheet5 of 14
File:	F:\EPFL\1.1.3_Interface_board_SW&FLASH&IO.SchDoc	



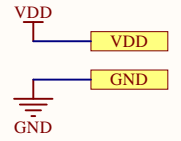
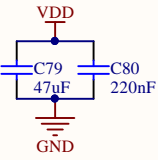
Servos control output



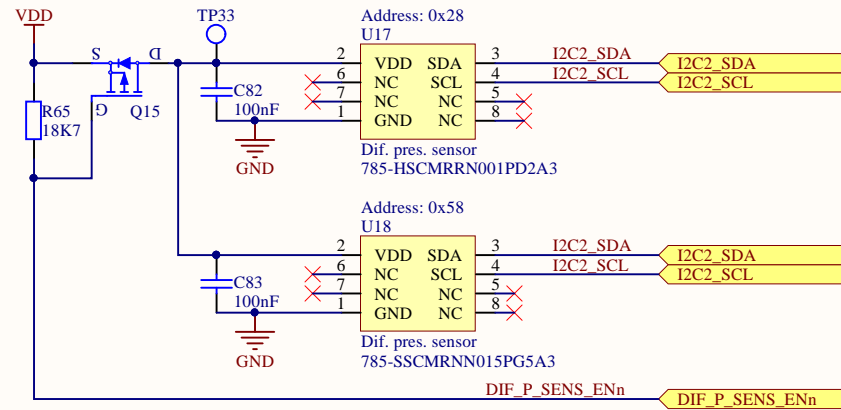
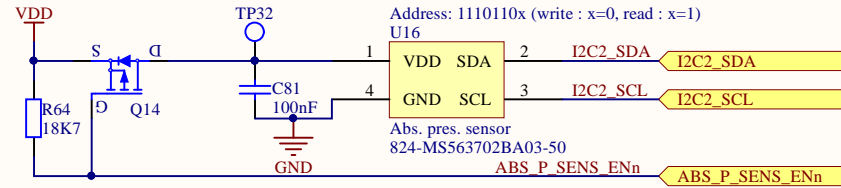
Status LEDs



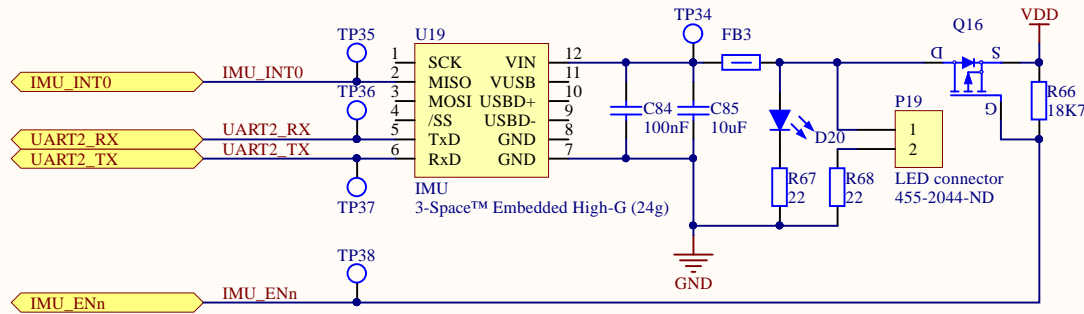
Title 1.1.5_Interface_board_Servos.SchDoc		
Size A4	Number	Revision
Date: 09.04.2017	Sheet 7 of 14	
File: F:\EPFL\1.1.5_Interface_board_Servos.SchDoc	Drawn By:	



Pressure sensors



IMU (24g max)



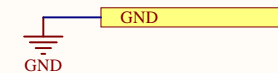
Title 1.1.6_Interface_board_Pressure&IMU.SchDoc		
Size A4	Number	Revision
Date: 09.04.2017	Sheet8 of 14	
File:	F:\EPFL\...\1.1.6_Interface_board_Pressure&IMU.SchDoc	

1

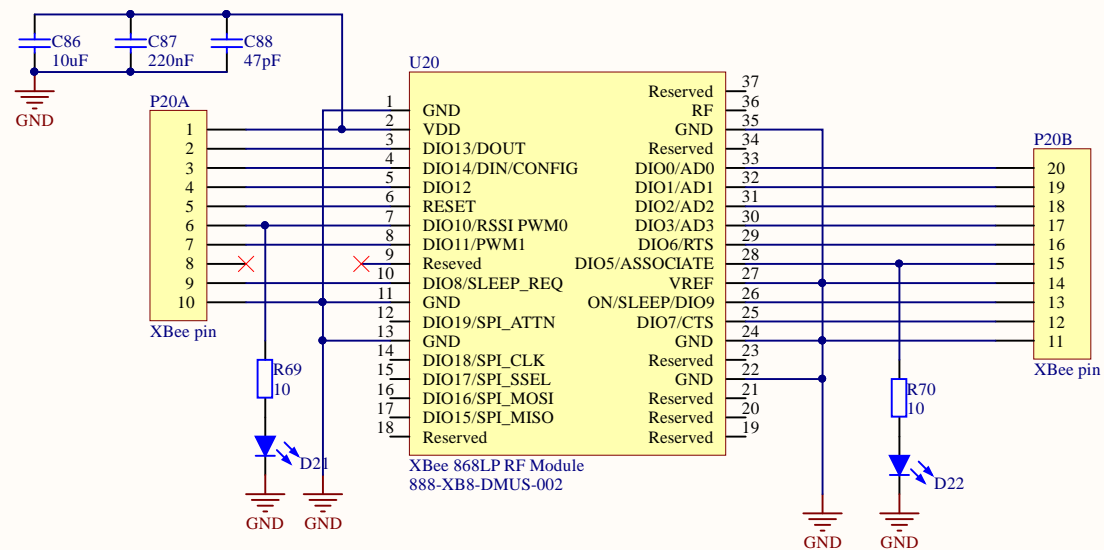
2

3

4



XBee



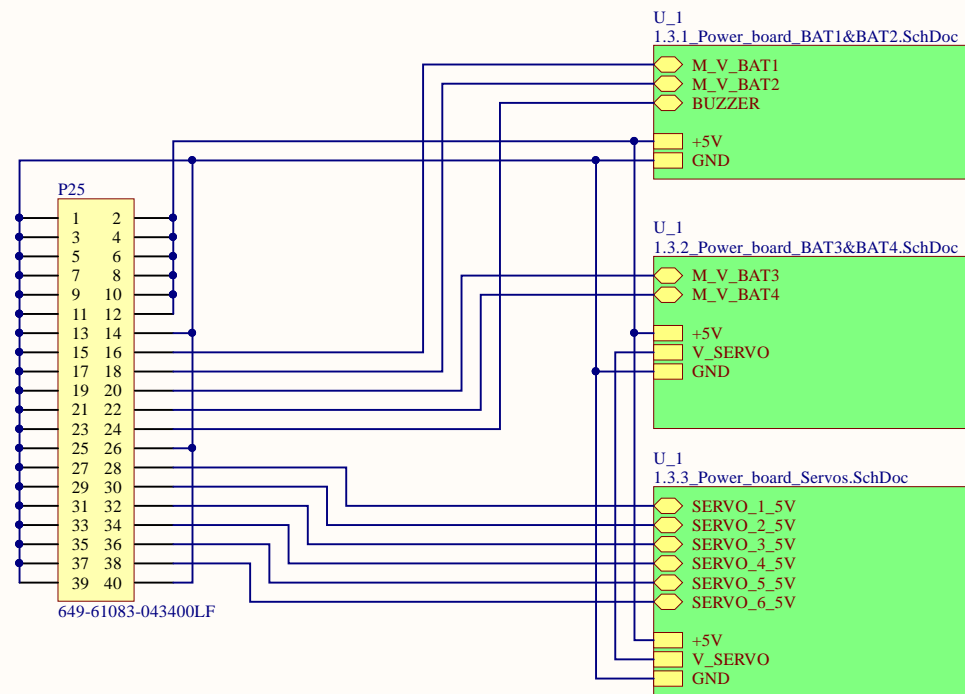
Title 1.2.0_XBee_module.SchDoc		
Size A4	Number	Revision
Date: 09.04.2017	Sheet10 of 14	
File: F:\EPFL\...\1.2.0_XBee_module.SchDoc	Drawn By:	

1

2

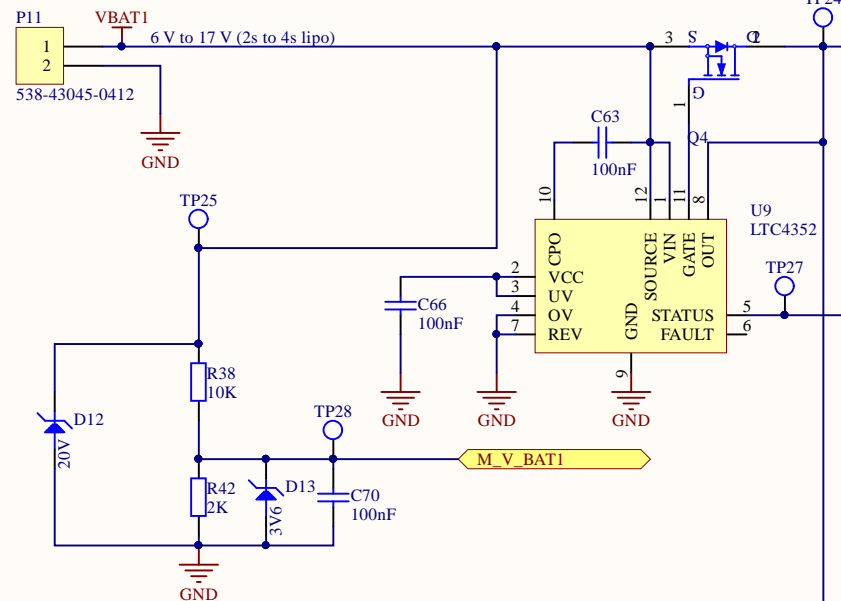
3

4

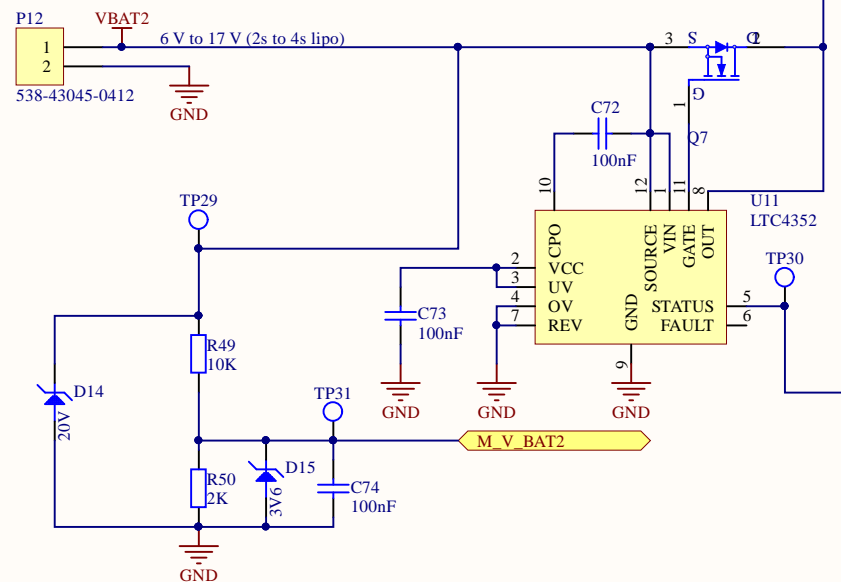


Title 1.3.0_Power_board.SchDoc		
Size A4	Number	Revision
Date:	09.04.2017	Sheet11 of 14
File:	F:\EPFL\...\1.3.0_Power_board.SchDoc	Drawn By:

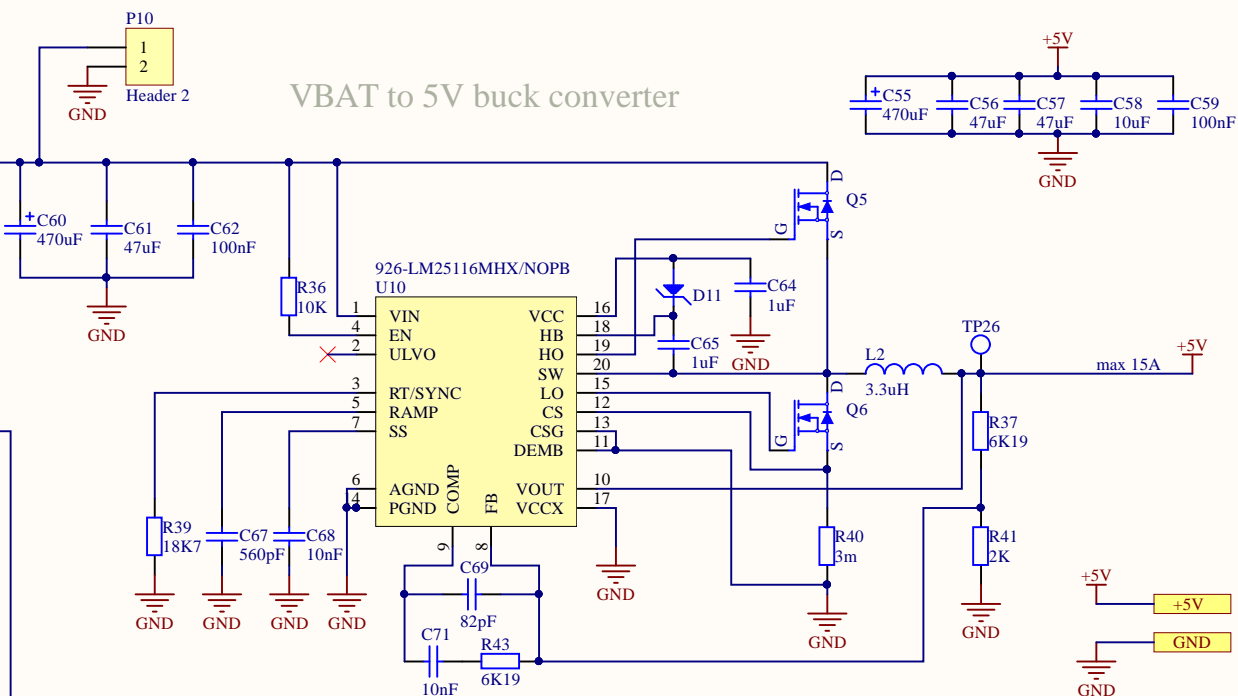
Ideal diode BAT1



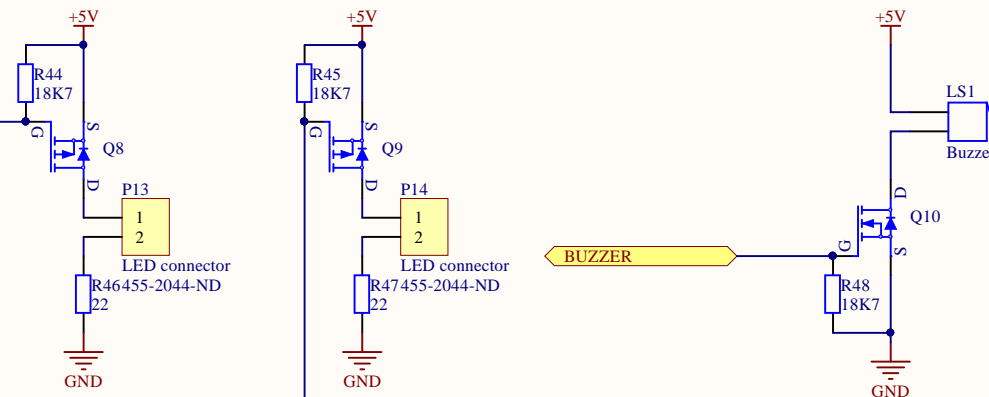
Ideal diode BAT2



VBAT to 5V buck converter



Status LEDs & buzzer



Title 1.3.1_Power_board_BAT1&BAT2.SchDoc		
Size A4	Number	Revision
Date: 09.04.2017	Sheet 12 of 14	
File: F:\EPFL\1.3.1_Power_board_BAT1&BAT2.SchDoc		

A

B

C

D

A

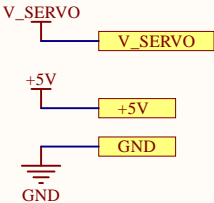
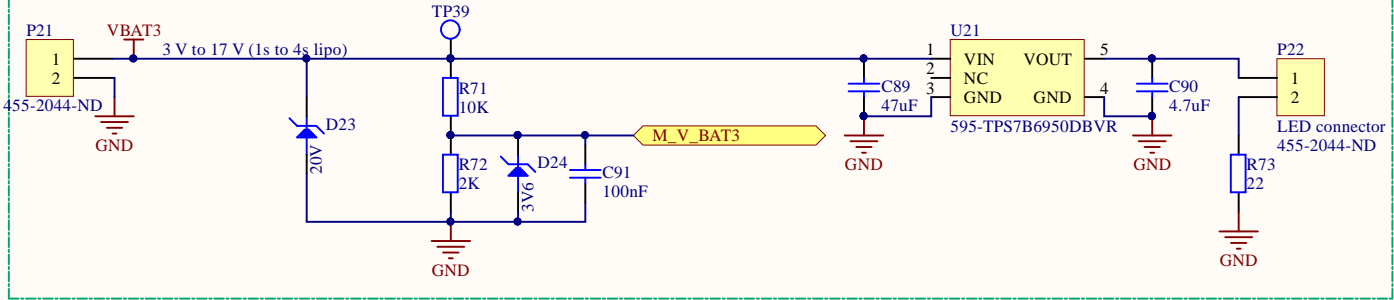
B

C

D

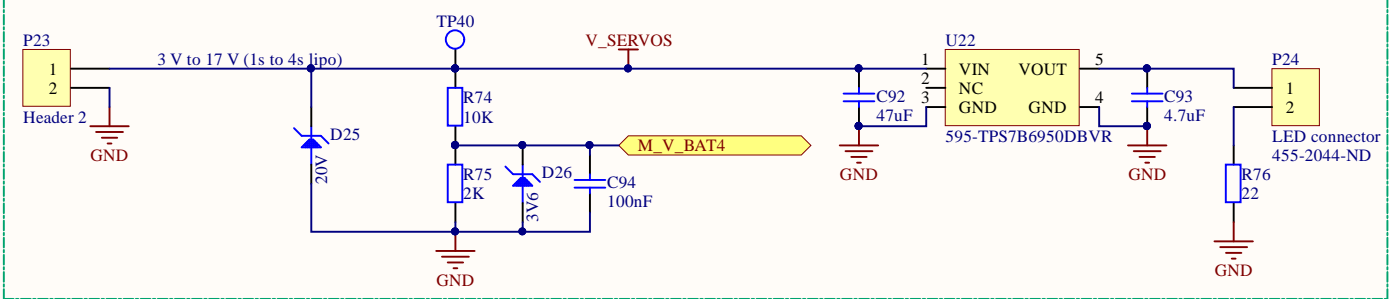
VBAT3 (for payload) (if needed...) voltage measurment and status LED

Not populated

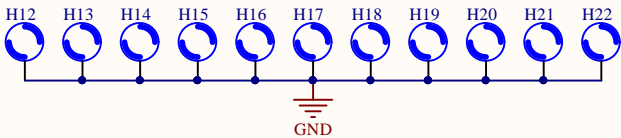


Aux. battery for servos (if needed...) voltage measurment and status LED

Not populated

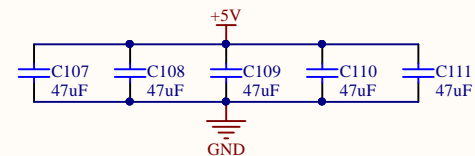
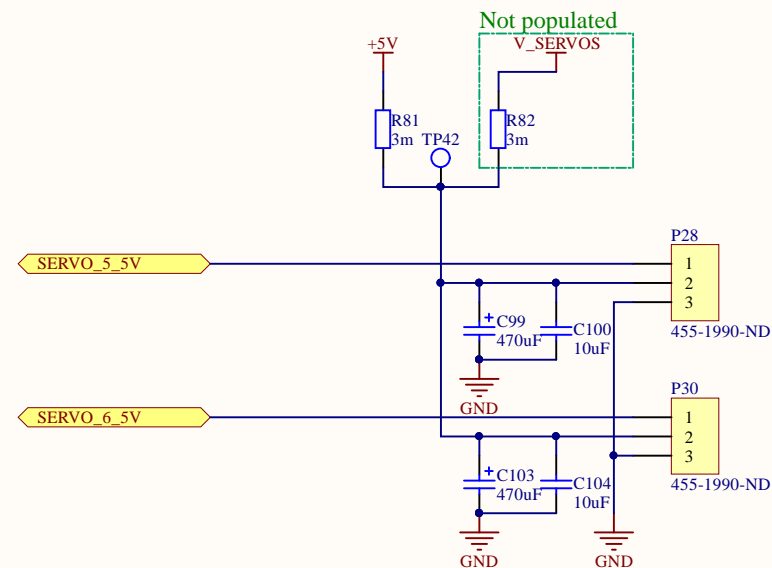
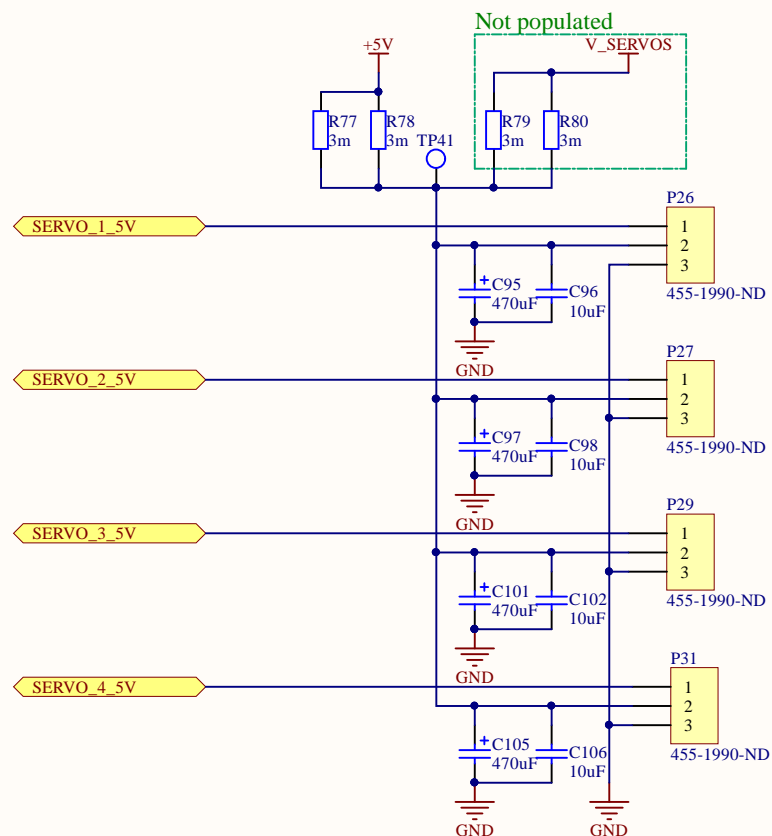
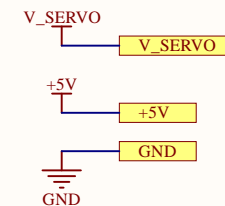


Board fixture holes



Title		
1.3.2_Power_board_BAT3&BAT4.SchDoc		
Size	Number	Revision
A4		
Date:	09.04.2017	Sheet13of14
File:	F:\EPFL\1.3.2_Power_board_BAT3&BAT4.SchDoc	

Servos output



Title 1.3.3_Power_board_Servos.SchDoc		
Size A4	Number	Revision
Date: 09.04.2017	Sheet 14 of 14	
File: F:\EPFL\1.3.3_Power_board_Servos.SchDoc	Drawn By:	