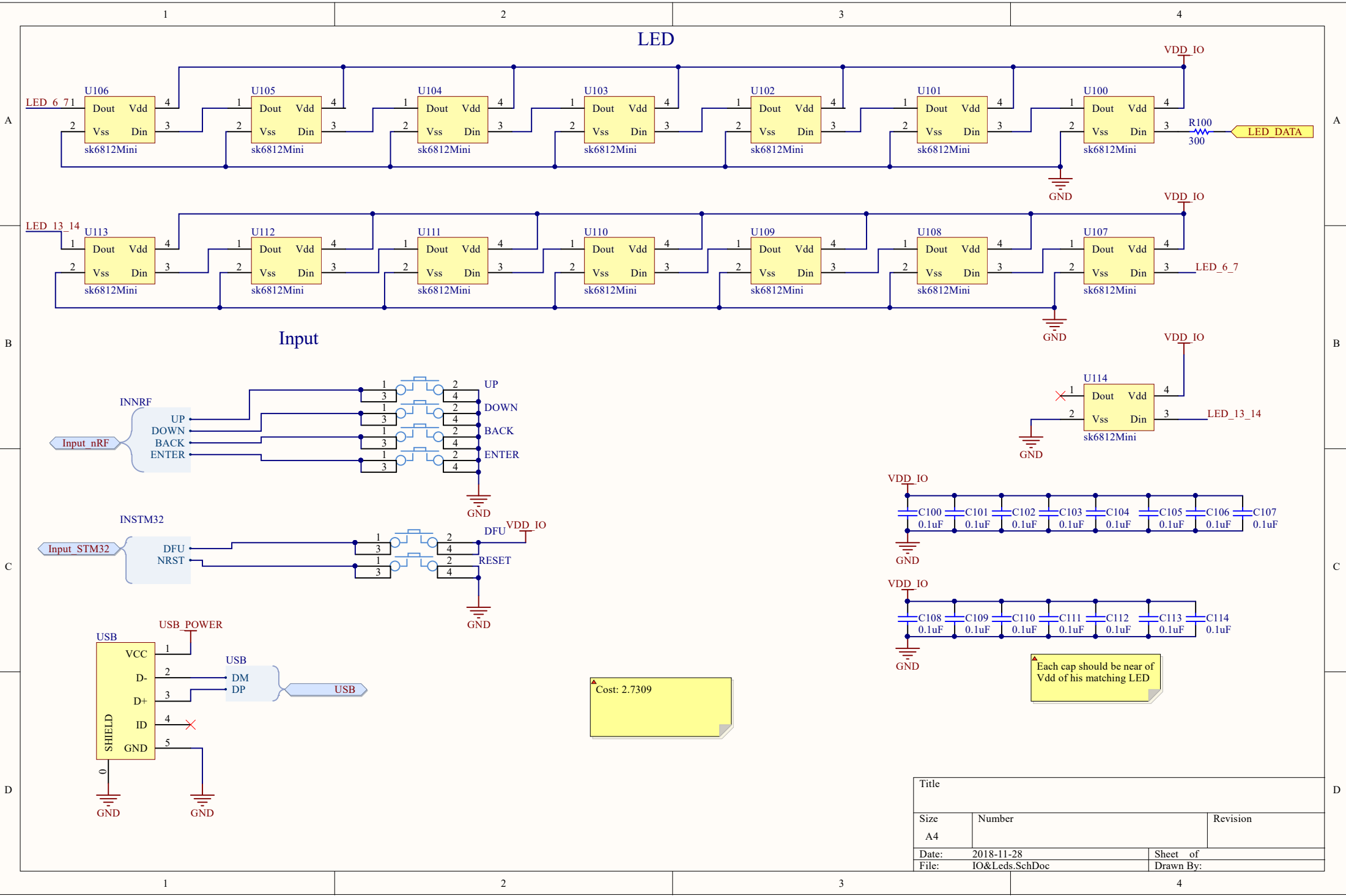
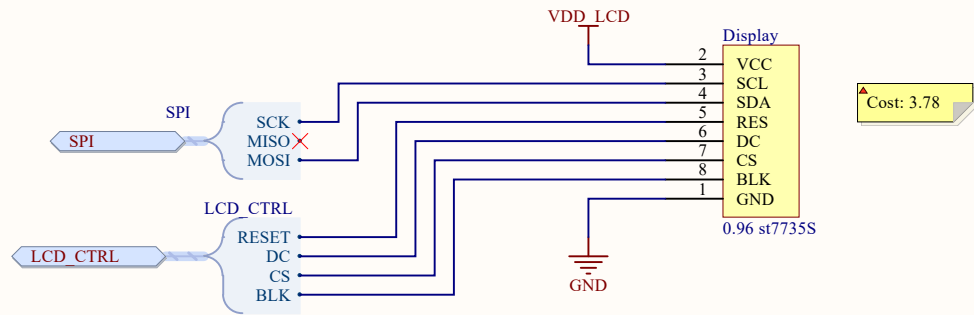


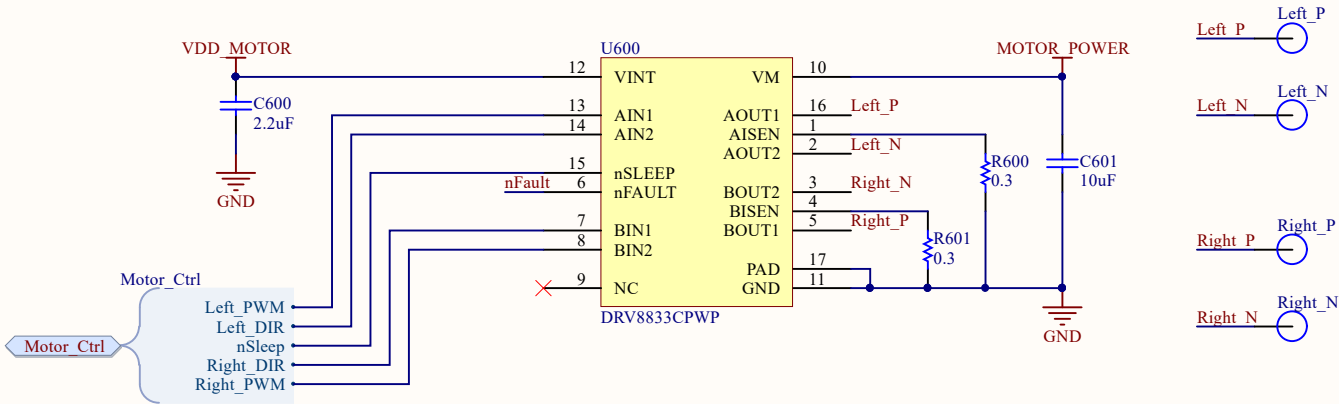
Title		
Size	Number	Revision
A4		
Date:	2018-11-28	Sheet of
File:	Badge.SchDoc	Drawn By:



Title		
Size	Number	Revision
A4		
Date:	2018-11-28	Sheet of
File:	IO&Leds.SchDoc	Drawn By:



Title		
Size	Number	Revision
A4		
Date:	2018-11-28	Sheet of
File:	LCD.SchDoc	Drawn By:



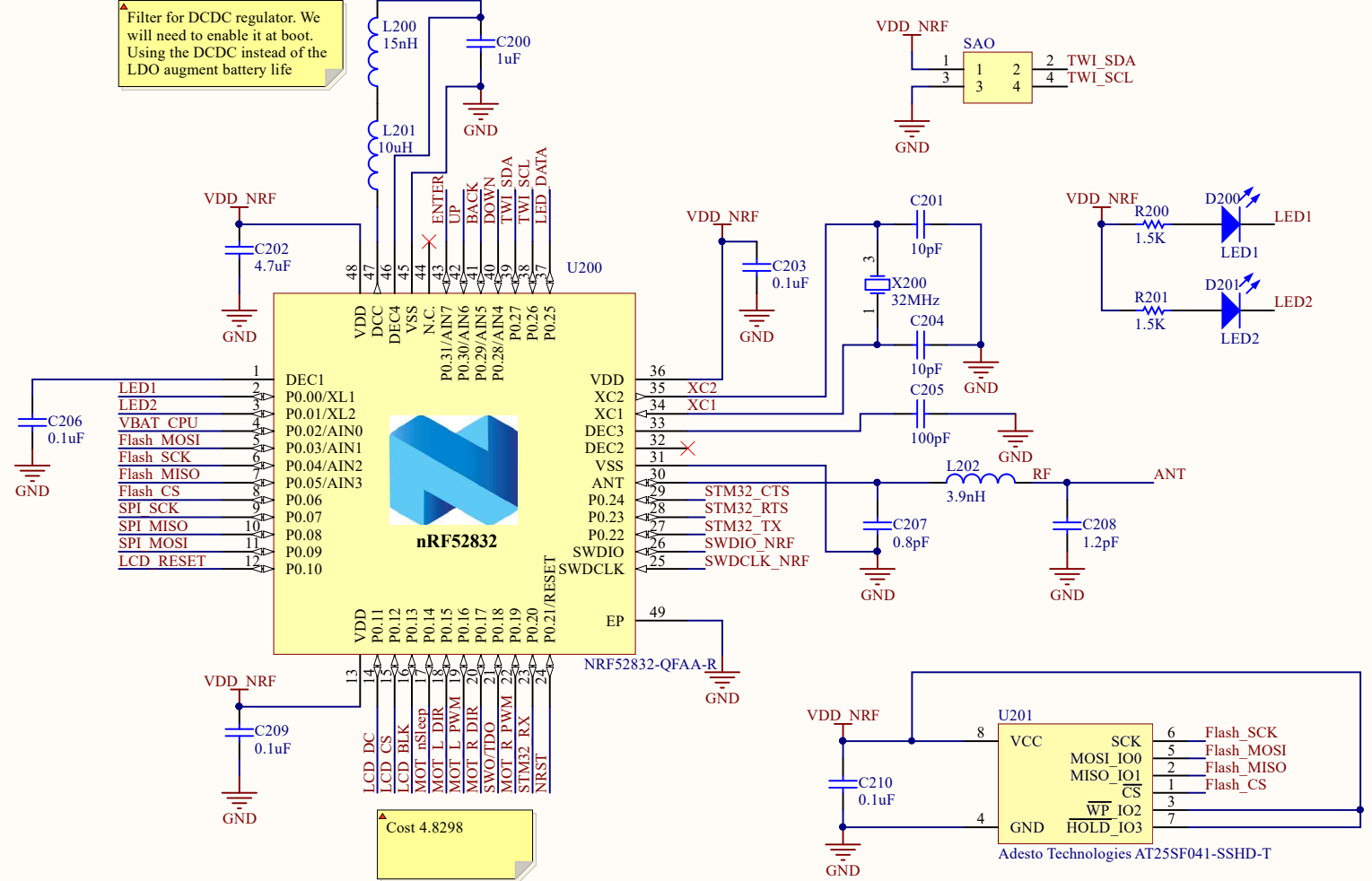
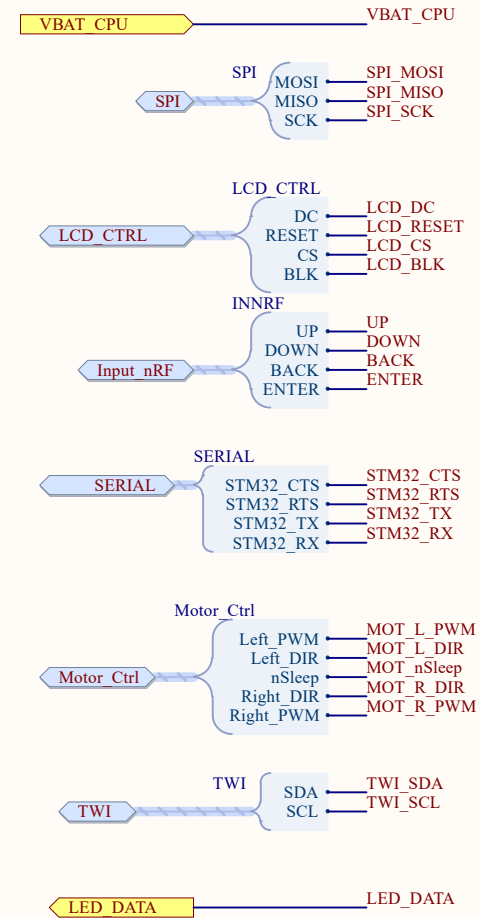
▲ Motor will be use in fast decay mode  
Right is inverted vs left to use the same mode of control in both case  
  
Current liminting: 666mA / motor

▲ Total cost: 1.4338

Title		
Size	Number	Revision
A4		
Date:	2018-11-28	Sheet of
File:	MotorControl.SchDoc	Drawn By:

# IO

Filter for DCDC regulator. We will need to enable it at boot. Using the DCDC instead of the LDO augment battery life

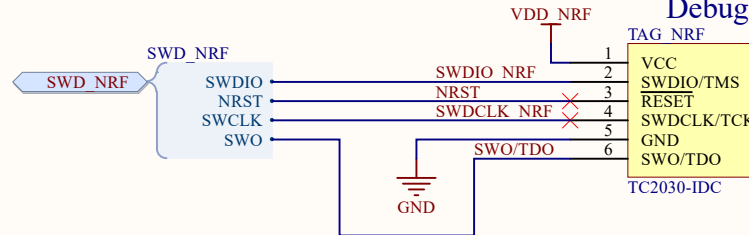


Cost 4.8298

With the high number of peripheral. We need to take care and avoid using two peripherals on the same memory mapping. Nordic call that instantiation. If two peripheral use the same ID they can't be use at the same time.

ID2 -> STM32 comm, UART0 or UART1  
ID3 -> Flash SPI, SPIM0  
ID4 -> SAO, TWI1  
ID28 -> LED PWM, PWM0  
ID33 -> MOT PWM, PWM1  
ID34 -> LCD PWM, PWM2  
ID35 -> LCD SPI, SPIM2

## Debug



Title		
Size	Number	Revision
A4		
Date:	2018-11-28	Sheet of
File:	NRF.SchDoc	Drawn By:

A

B

C

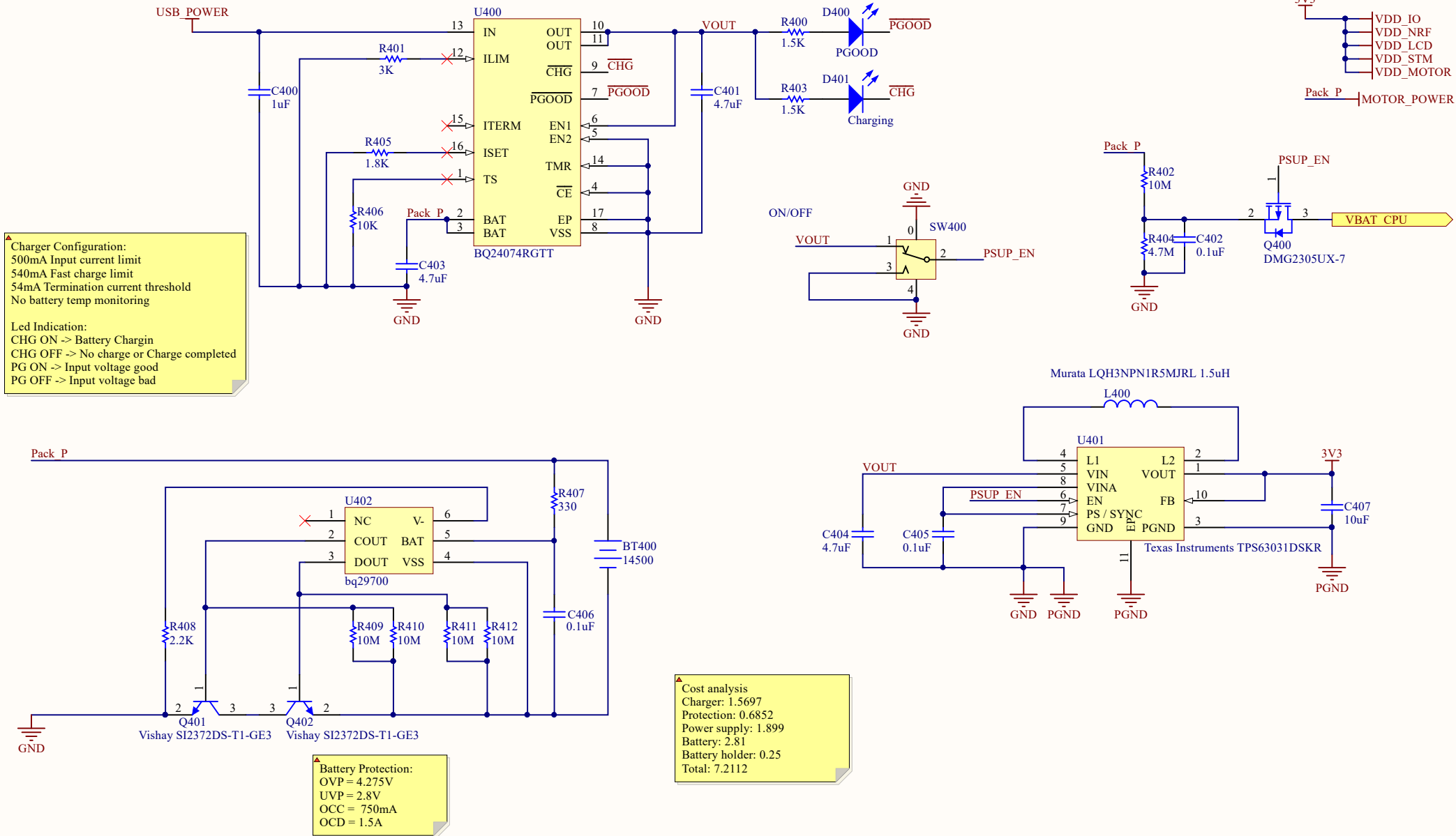
D

A

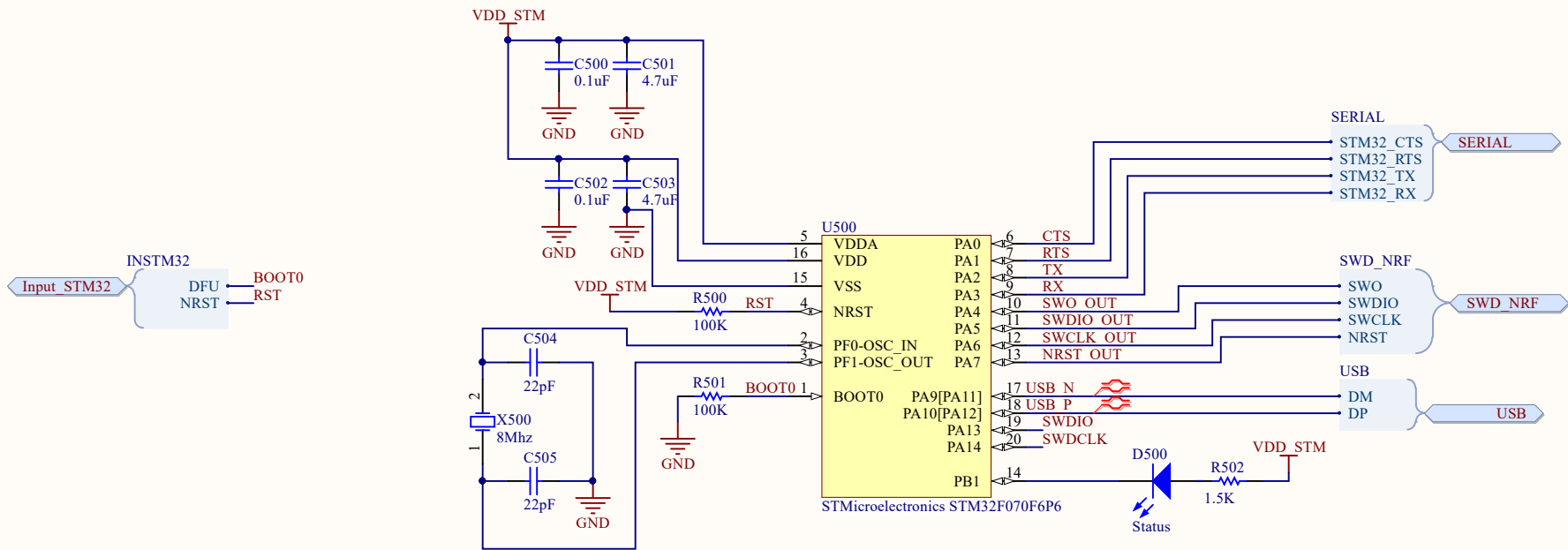
B

C

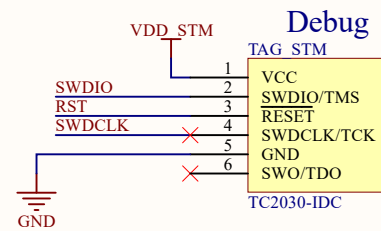
D



Title		
Size	Number	Revision
A4		
Date:	2018-11-28	Sheet of
File:	Power.SchDoc	Drawn By:



Cost: 1.3181



Title		
Size	Number	Revision
A4		
Date:	2018-11-28	Sheet of
File:	STM32.SchDoc	Drawn By:

102,76

90,38

