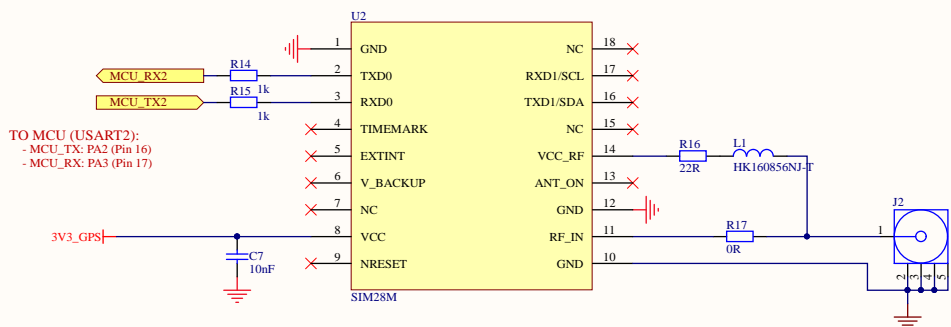


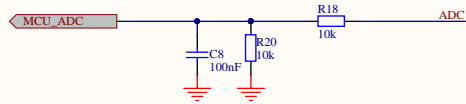
GSM Module



GPS Module

Title		
Size A3	Number	Revision
Date: 4/4/2017	Sheet of	
File: E:\1 Design\GSM and GPS.SchDoc	Drawn By: Haont08	

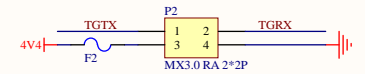
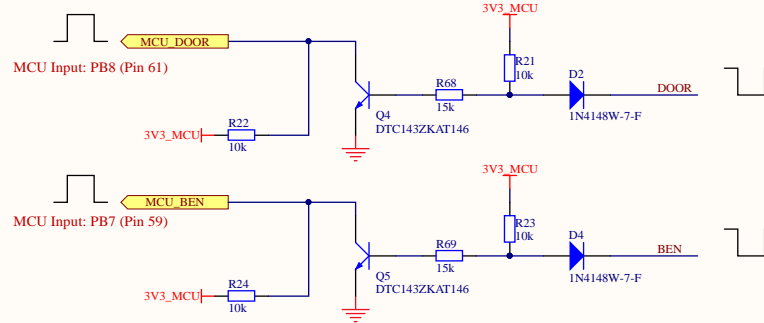
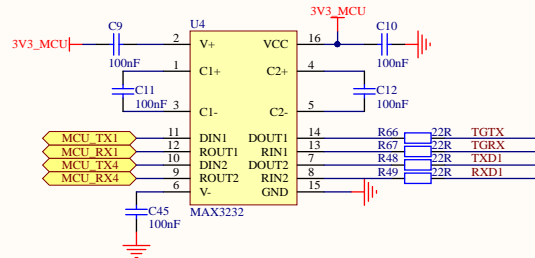
MCU Input: PC0/ADC12\_IN6 (Pin8)



Note: Can change the resistor value, but the  $R18 = R20$  and  $R18 + R20 > 10k$

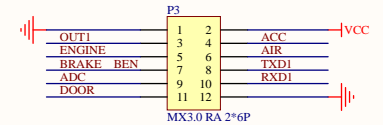
TO MCU (USART1):  
- MCU\_TX: PA9 (Pin 42)  
- MCU\_RX: PA10 (Pin 43)

TO MCU (UART4):  
- MCU\_TX: PC10 (Pin 51)  
- MCU\_RX: PC11 (Pin 52)



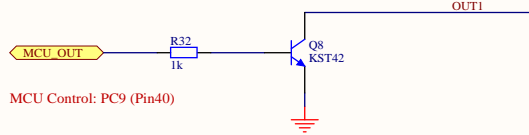
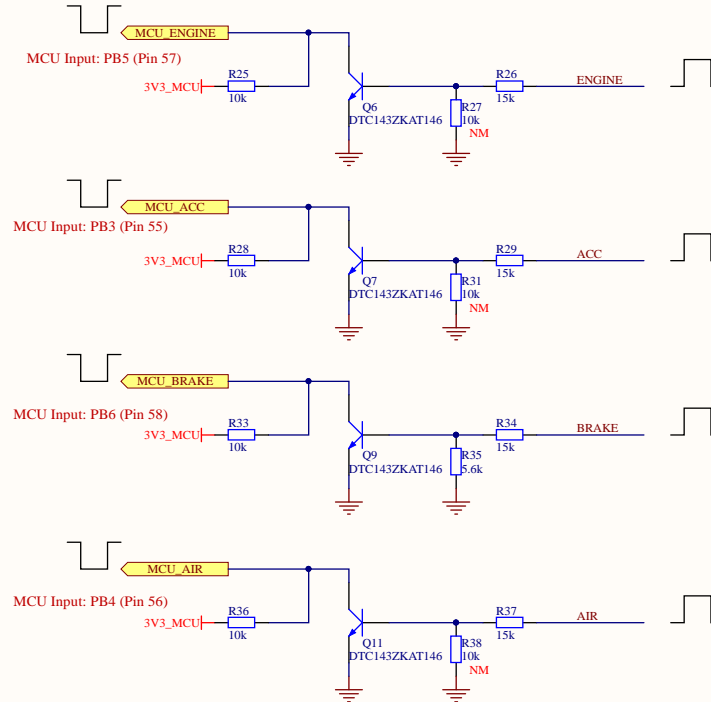
**PORT A: RFID connect**

VCC Out: 4.7V @ 500mA

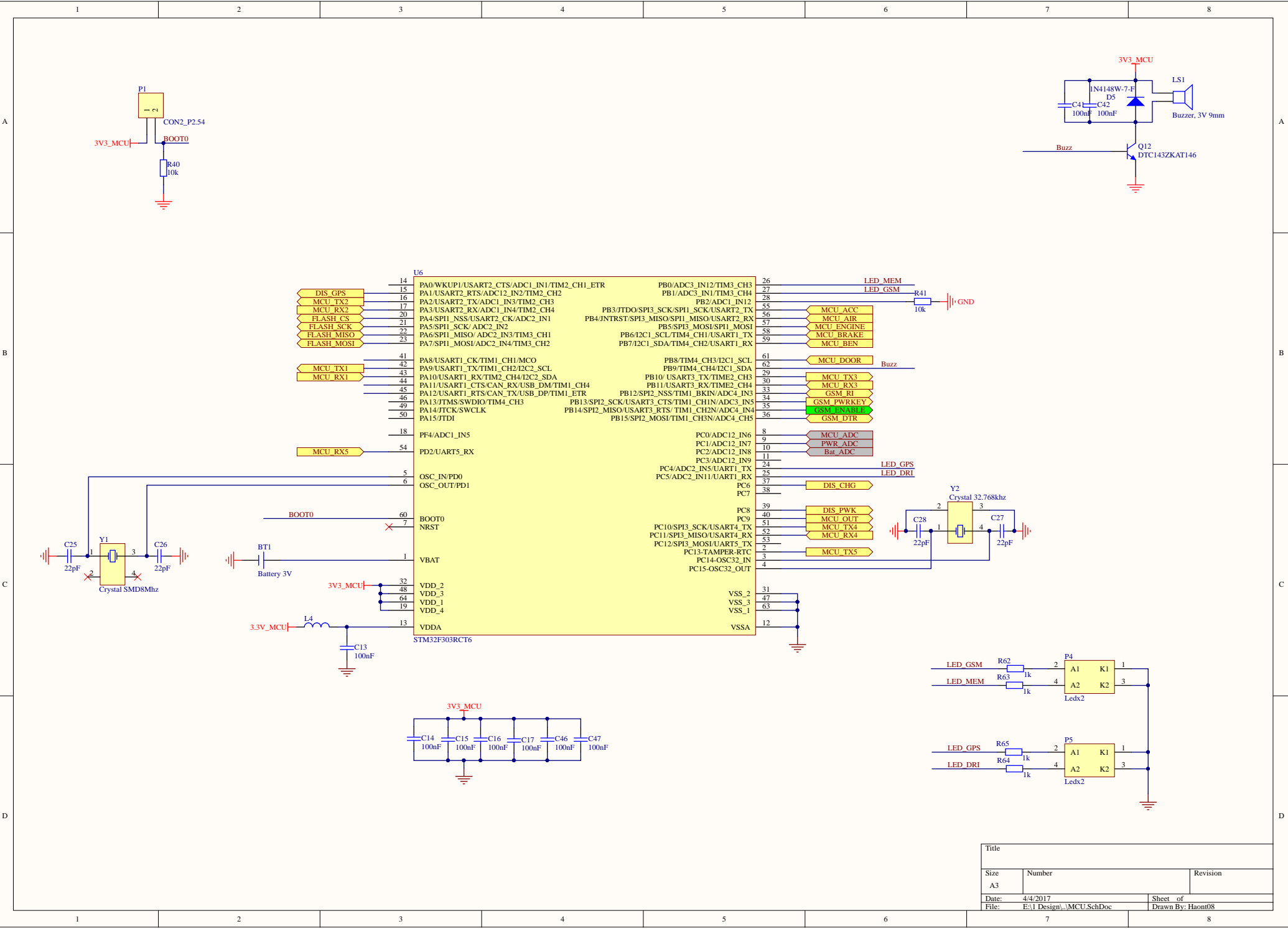


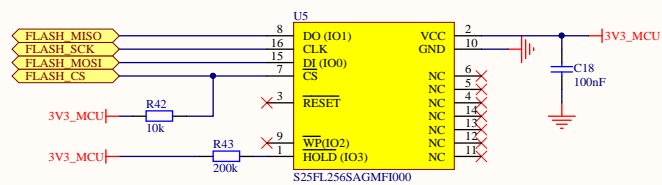
**PORT C: Main connect**

VCC in: 8-45V @ 500mA



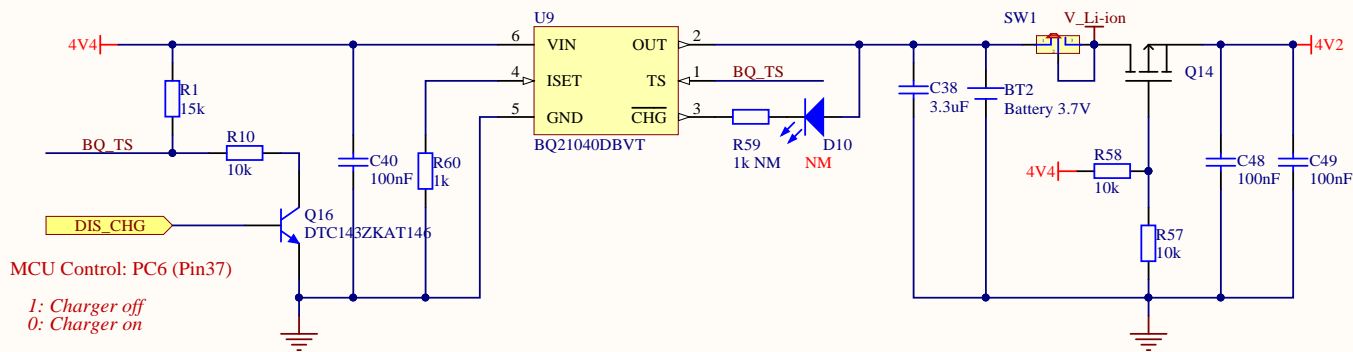
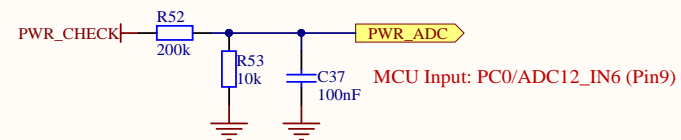
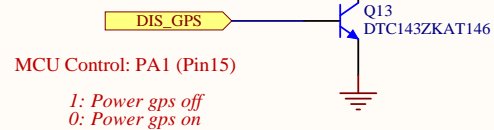
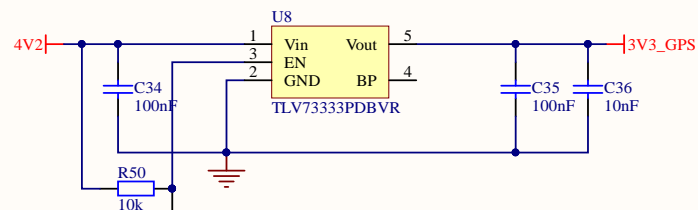
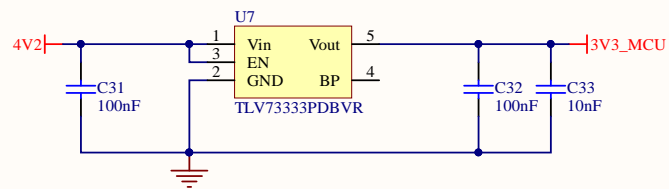
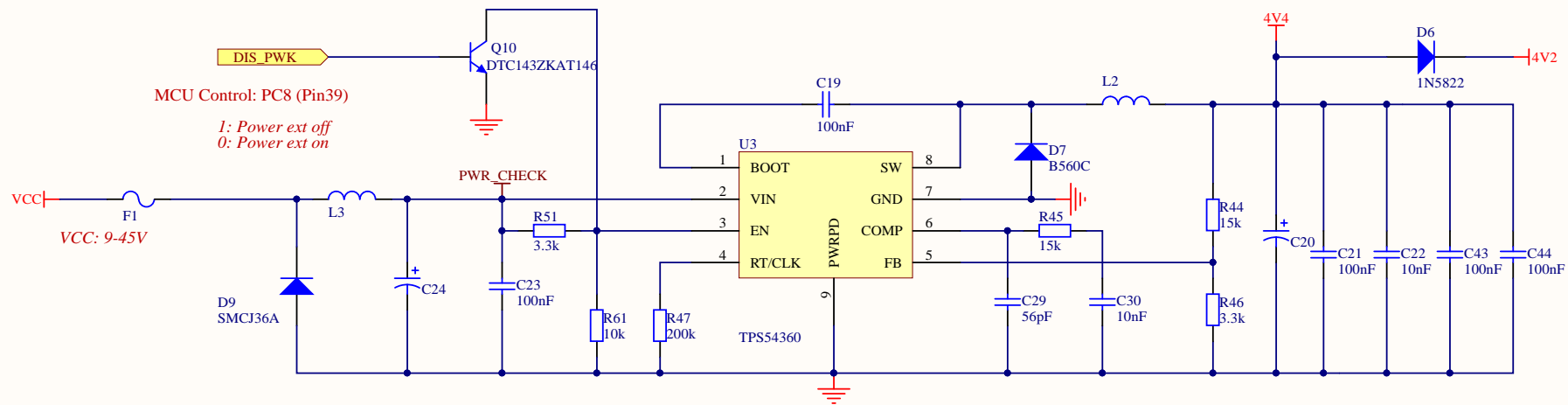
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Size	Number	Revision
A3		
Date:	4/4/2017	Sheet of
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TO MCU (SPI):  
- MCU\_CS: PA4 (Pin 20)  
- MCU\_SCK: PA5 (Pin 21)  
- MCU\_MISO: PA6 (Pin 22)  
- MCU\_MOSI: PA7 (Pin 23)

Title		
Size A3	Number	Revision
Date: 4/4/2017	Sheet of	
File: E:\1 Design\Memory.SchDoc	Drawn By: Haont08	



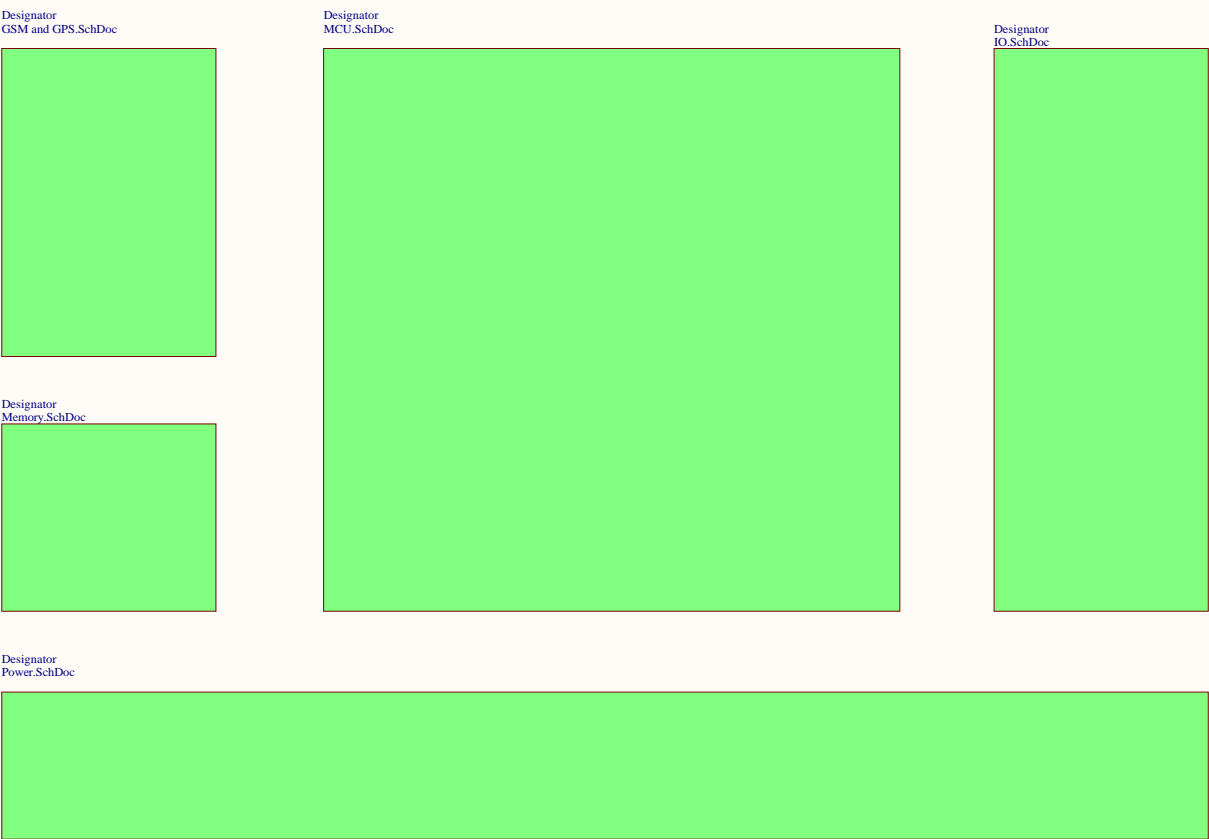
Note: Can change the resistor value, but the  $R54 = R56$  and  $R54 + R56 > 10k$

Title		
Size	Number	Revision
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Date:	4/4/2017	Sheet of
File:	E:\1 Design\...\Power.SchDoc	Drawn By: Haont08

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Title		
Size A3	Number	Revision
Date: 4/4/2017	Sheet of	
File: E:\1 Design\..TG007S.SchDoc	Drawn By: Haont08	