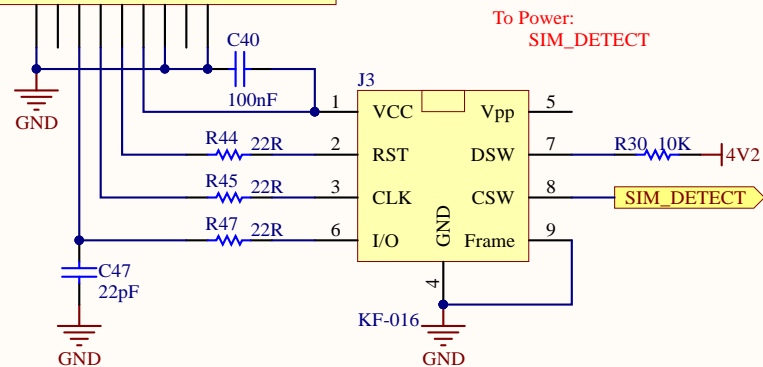
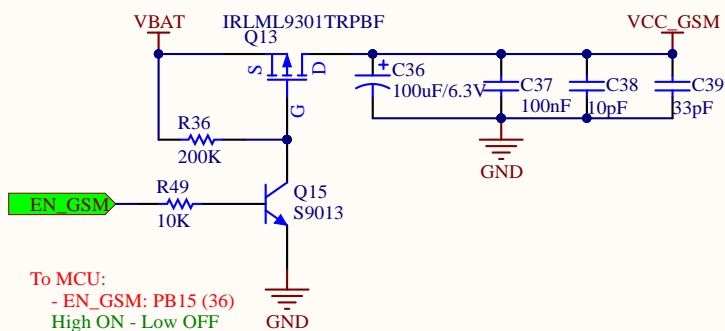
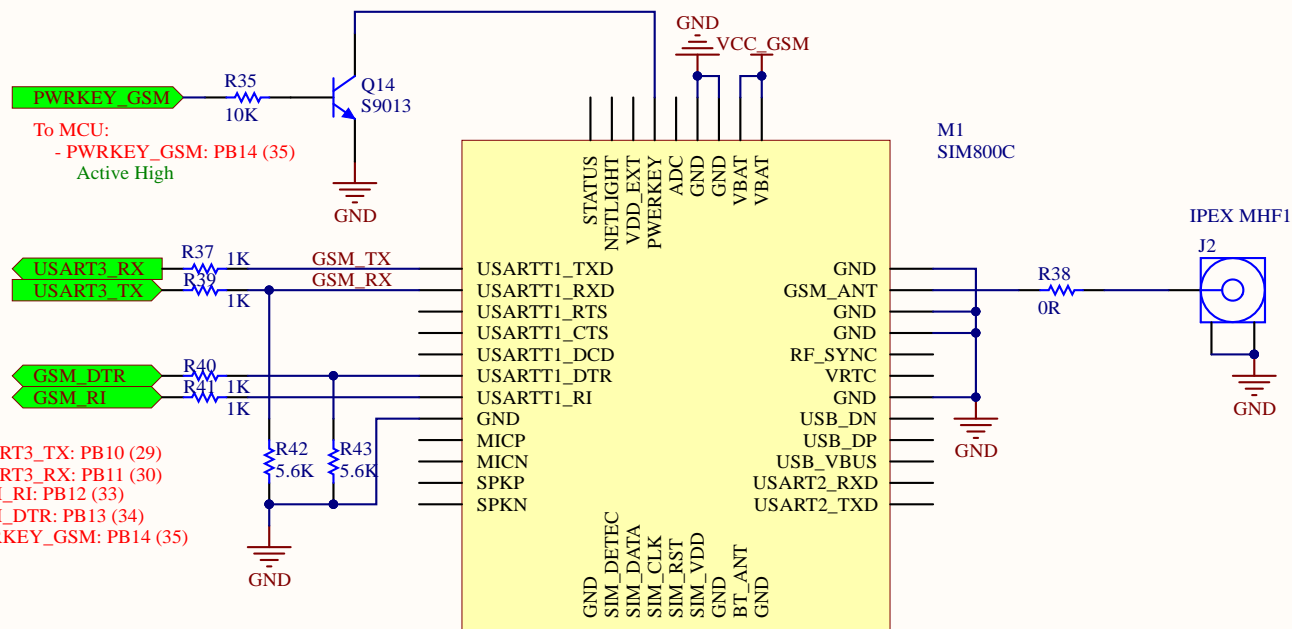
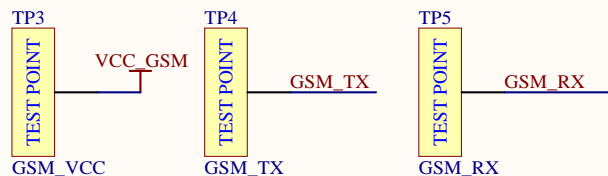


To MCU:

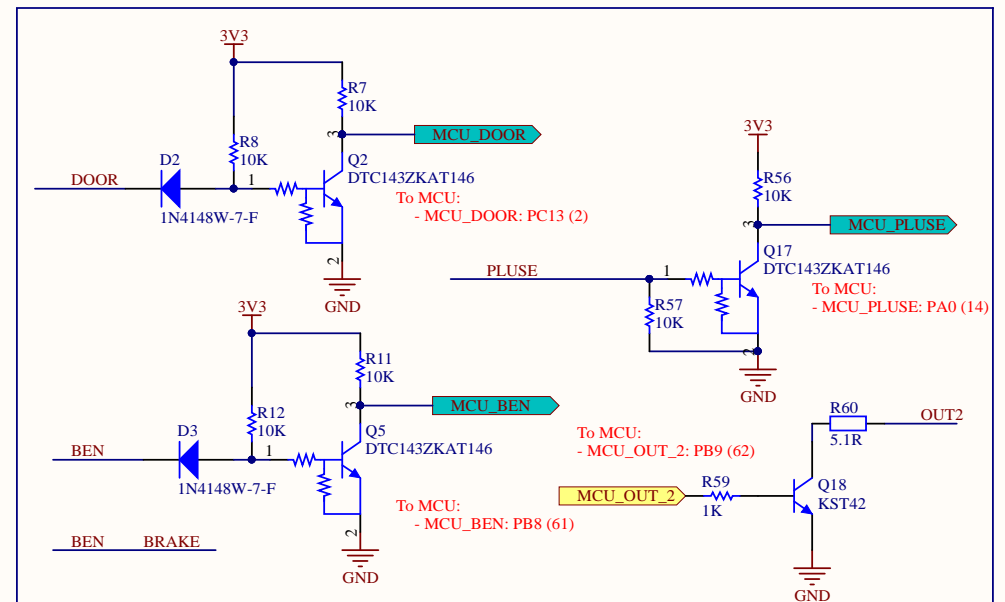
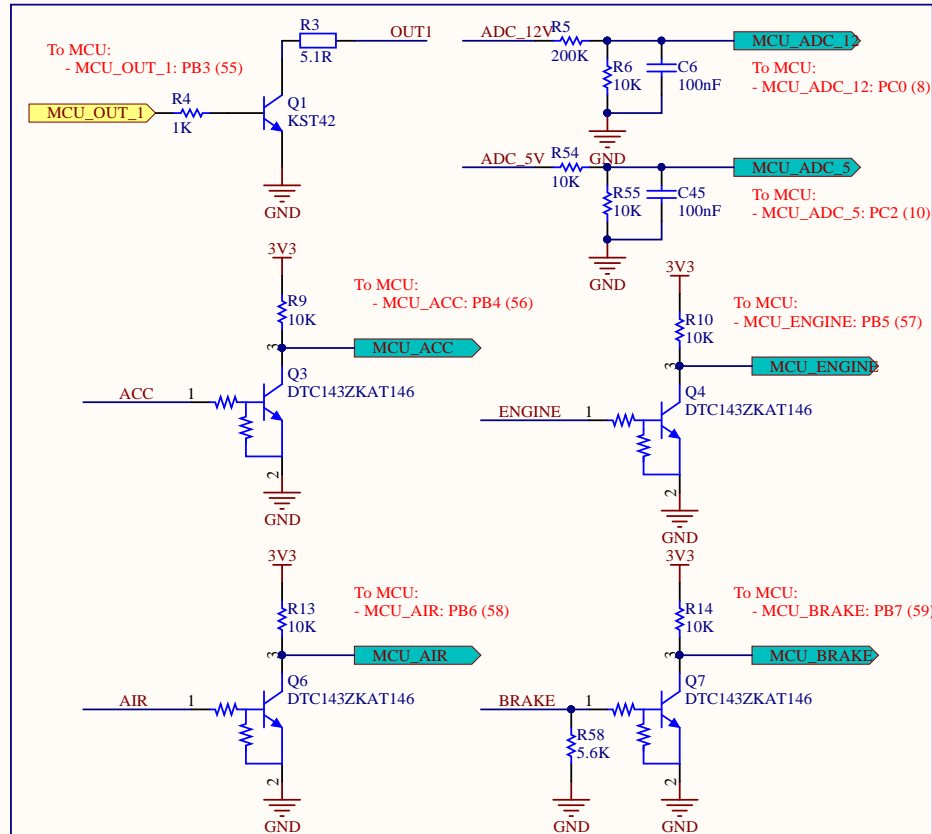
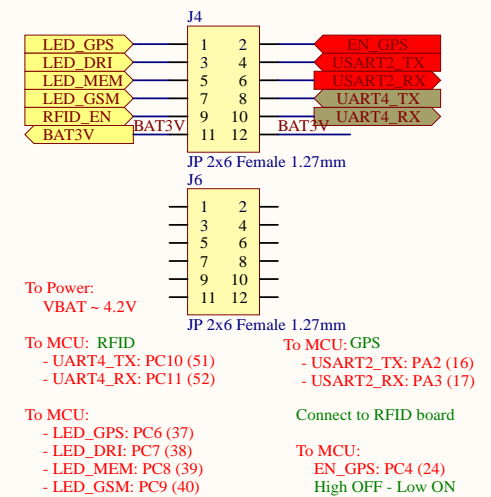
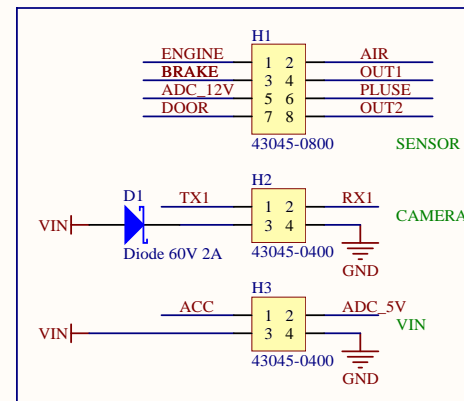
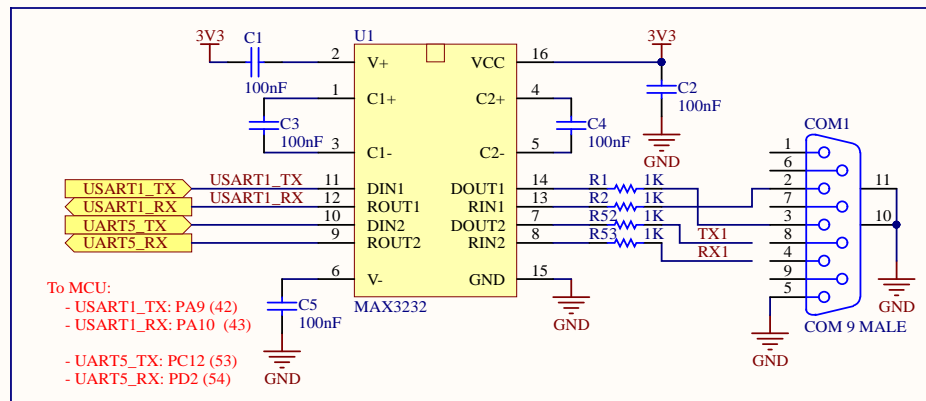
- SPI\_CS: PA4 (20)
- SPI\_SCK: PA5 (21)
- SPI\_MISO: PA6 (22)
- SPI\_MOSI: PA7 (23)

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If unconnect tray sim then VBAT ~ 0V

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File:	E:\1 Design\..\GSM and GPS.SchDoc	Drawn By:



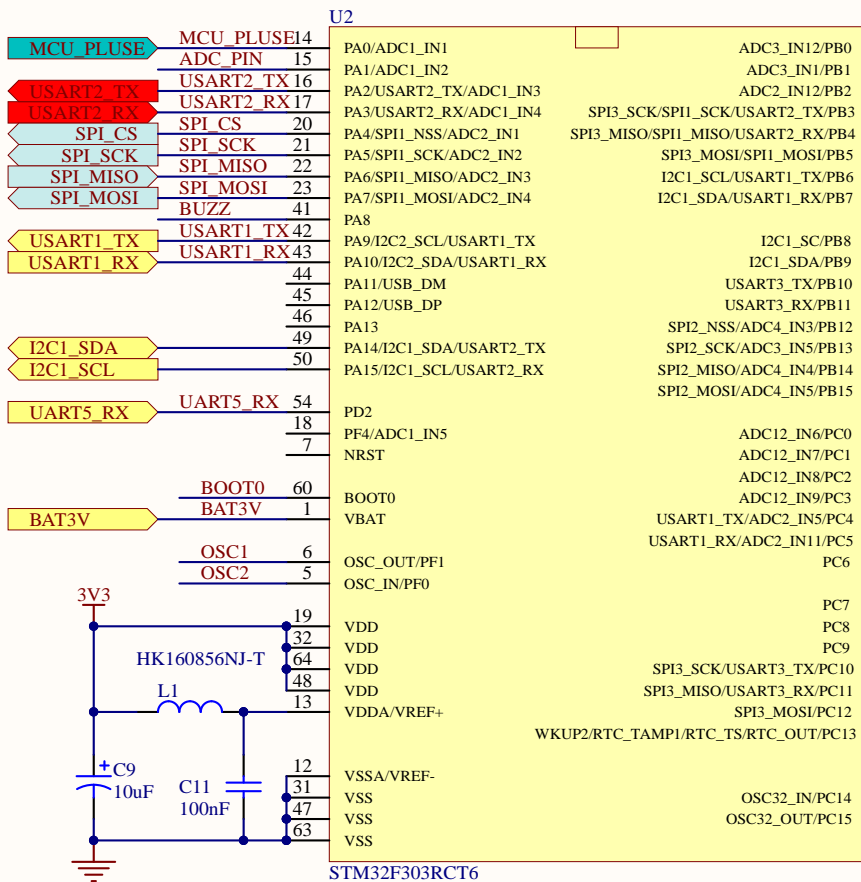
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Date:	5/9/2017	Sheet of
File:	E:\1 Design\1\IO.SchDoc	Drawn By:

To GPS:  
 - USART2\_TX: PA2 (16)  
 - USART2\_RX: PA3 (17)

To MCU:  
 - SPI\_CS: PA4 (20)  
 - SPI\_SCK: PA5 (21)  
 - SPI\_MISO: PA6 (22)  
 - SPI\_MOSI: PA7 (23)

To IO (MAX3232):  
 - USART1\_TX: PA9 (42)  
 - USART1\_RX: PA10 (43)

- UART5\_TX: PC12 (53)  
 - UART5\_RX: PD2 (54)



To RFID:  
 - RFID\_EN: PB1 (27)

To Power:  
 - Charge\_OFF: PB0 (26)  
 - EN\_GPS: PC4 (24)  
 - EN\_POWER: PC3 (11)

To IO (MCU output):  
 - MCU\_OUT\_1: PB3 (55)  
 - MCU\_OUT\_2: PB9 (62)

To GSM:  
 - USART3\_TX: PB10 (29)  
 - USART3\_RX: PB11 (30)  
 - GSM\_RI: PB12 (33)  
 - GSM\_DTR: PB13 (34)  
 - PWRKEY\_GSM: PB14 (35)  
 - EN\_GSM: PB15 (36)

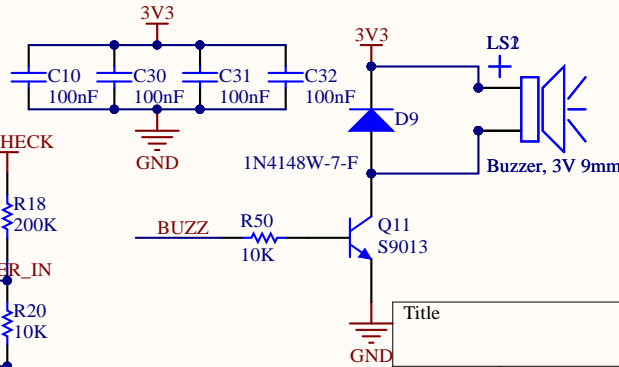
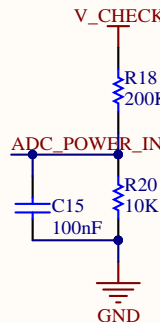
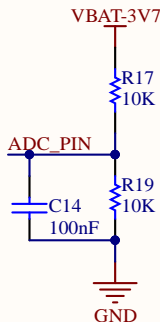
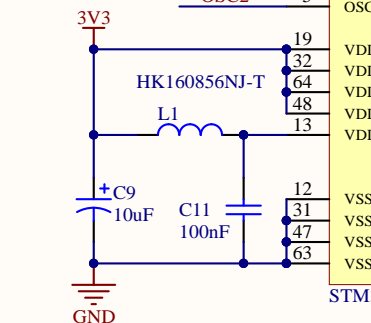
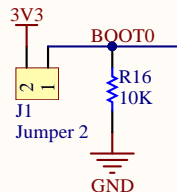
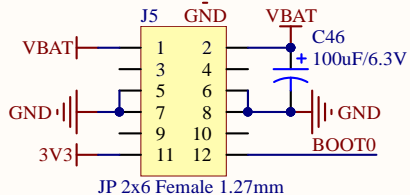
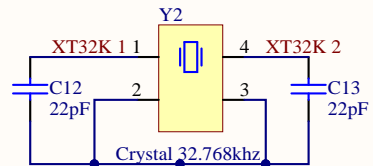
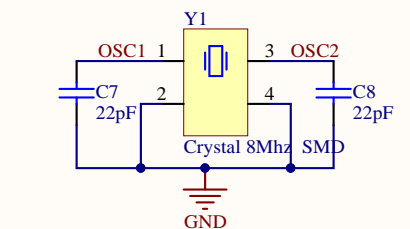
To IO (MCU Input):

- MCU\_PLUSE: PA0 (14)  
 - MCU\_ACC: PB4 (56)  
 - MCU\_ENGINE: PB5 (57)  
 - MCU\_AIR: PB6 (58)  
 - MCU\_BRAKE: PB7 (59)  
 - MCU\_BEN: PB8 (61)  
 - MCU\_ADC\_12: PC0 (8)  
 - MCU\_ADC\_5: PC2 (10)  
 - MCU\_DOOR: PC13 (2)

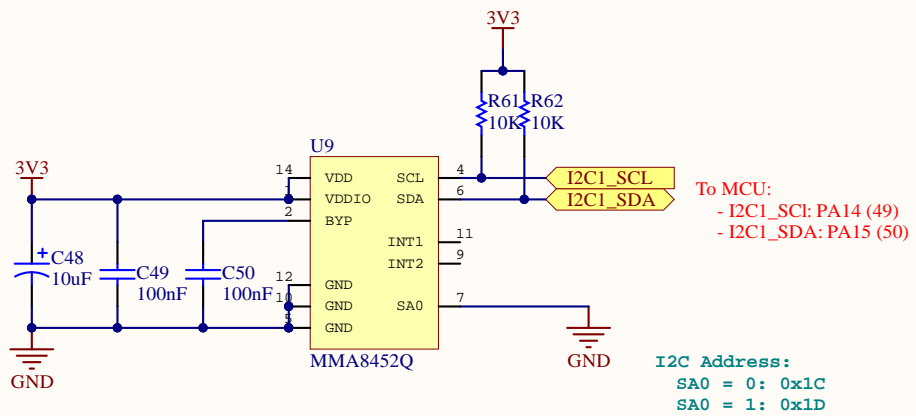
To IO (RFID):  
 - UART4\_TX: PC10 (51)  
 - UART4\_RX: PC11 (52)

To IO:  
 - LED\_GPS: PC6 (37)  
 - LED\_DRI: PC7 (38)  
 - LED\_MEM: PC8 (39)  
 - LED\_GSM: PC9 (40)

- ADC\_PIN: PA1 (15)  
 - ADC\_POWER\_IN: PC1 (9)  
 - BUZZ: PA8 (41)



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