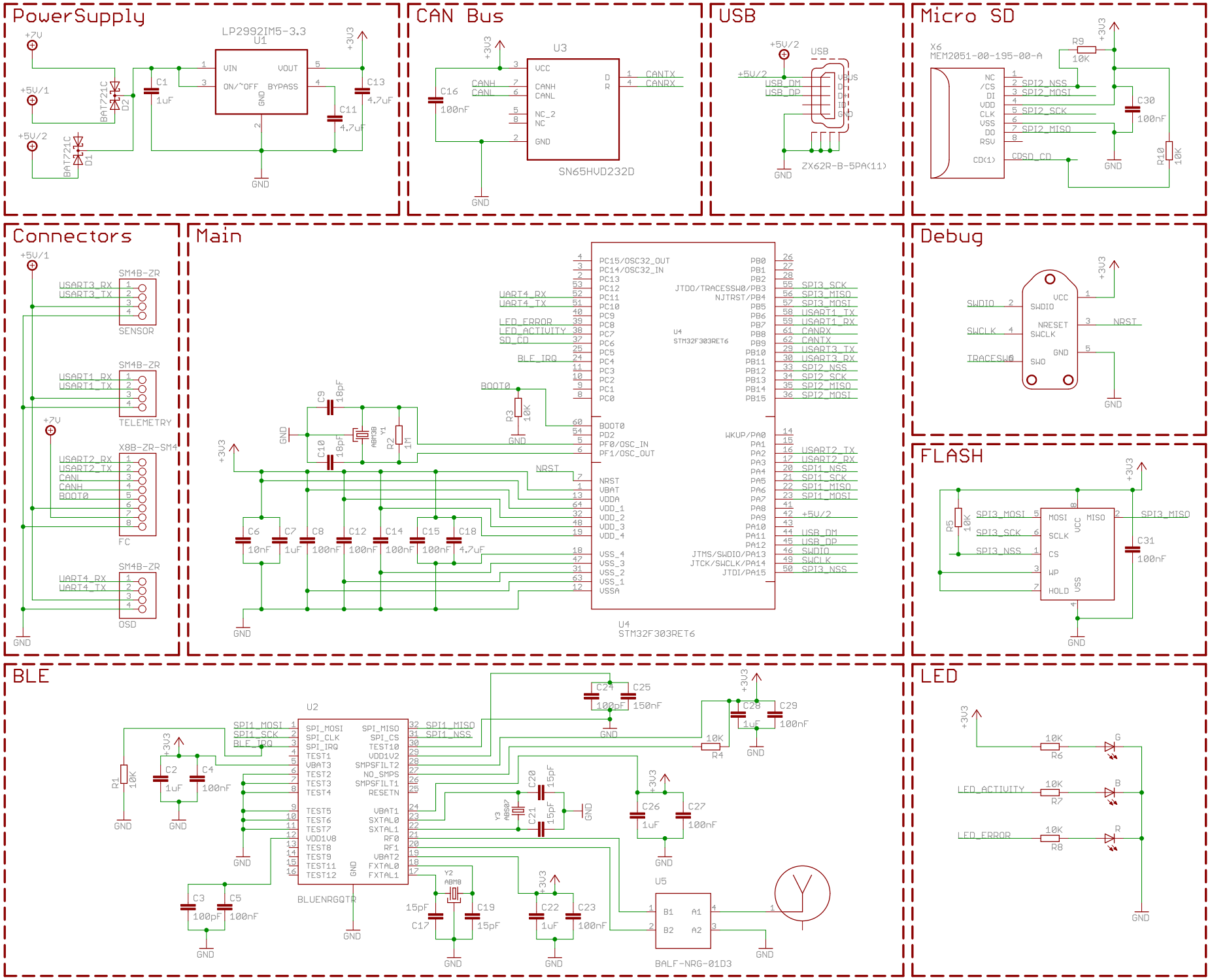
PowerSupply
LP2992IM5-3.3
U1
VIN
VOUT
ON/~OFF
BYPASS
GND
+7V
+5V/1
+5V/2
BAT721C
D1
D2
C1
1uF
C11
4.7uF
C13
4.7uF
+3V3
CAN Bus
U3
VCC
CANH
CANL
NC_2
NC
GND
D
R
CANTX
CANRX
C16
100nF
SN65HVD232D
USB
USB
+5V/2
USB_DM
USB_DP
VBUS
D-
D+
ID
GND
ZX62R-B-5PA(11)
Micro SD
X6
MEM2051-00-195-00-A
NC
/CS
DI
VDD
CLK
VSS
DO
RSV
CD(1)
SPI2_NSS
SPI2_MOSI
SPI2_SCK
SPI2_MISO
CDSD_CD
R9
10K
C30
100nF
R10
10K
Connectors
SM4B-ZR
USART3_RX
USART3_TX
SENSOR
USART1_RX
USART1_TX
TELEMETRY
X8B-ZR-SM4
USART2_RX
USART2_TX
CANL
CANH
BOOT0
FC
UART4_RX
UART4_TX
OSD
Main
PC15/OSC32_OUT
PC14/OSC32_IN
PC13
PC12
PC11
PC10
PC9
PC8
PC7
PC6
PC5
PC4
PC3
PC2
PC1
PC0
UART4_RX
UART4_TX
LED_ERROR
LED_ACTIVITY
SD_CD
BLE_IRQ
BOOT0
PD2
PF0/OSC_IN
PF1/OSC_OUT
NRST
VBAT
VDDA
VDD_1
VDD_2
VDD_3
VDD_4
VSS_4
VSS_3
VSS_2
VSS_1
VSSA
PB0
PB1
PB2
JTDO/TRACESSW0/PB3
NJTRST/PB4
PB5
PB6
PB7
PB8
PB9
PB10
PB11
PB12
PB13
PB14
PB15
SPI3_SCK
SPI3_MISO
SPI3_MOSI
USART1_TX
USART1_RX
CANRX
CANTX
USART3_TX
USART3_RX
SPI2_NSS
SPI2_SCK
SPI2_MISO
SPI2_MOSI
WKUP/PA0
PA1
PA2
PA3
PA4
PA5
PA6
PA7
PA8
PA9
PA10
PA11
PA12
JTMS/SWDIO/PA13
JTCK/SWCLK/PA14
JTDI/PA15
USART2_TX
USART2_RX
SPI1_NSS
SPI1_SCK
SPI1_MISO
SPI1_MOSI
+5V/2
USB_DM
USB_DP
SWDIO
SWCLK
SPI3_NSS
U4
STM32F303RET6
C9
18pF
C10
18pF
Y1
ABM3B
R2
1M
R3
10K
C6
10nF
C7
1uF
C8
100nF
C12
100nF
C14
100nF
C15
100nF
C18
4.7uF
Debug
VCC
SWDIO
NRESET
SWCLK
GND
SWO
NRST
TRACESWO
FLASH
MOSI
SCLK
CS
WP
HOLD
MISO
VCC
VSS
SPI3_MOSI
SPI3_SCK
SPI3_NSS
SPI3_MISO
R5
10k
C31
100nF
BLE
U2
SPI_MOSI
SPI_CLK
SPI_IRQ
TEST1
VBAT3
TEST2
TEST3
TEST4
TEST5
TEST6
TEST7
VDD1V8
TEST8
TEST9
TEST11
TEST12
SPI_MISO
SPI_CS
TEST10
VDD1V2
SMPSFILT2
NO_SMPS
SMPSFILT1
RESETN
VBAT1
SXTAL0
SXTAL1
RF0
RF1
VBAT2
FXTAL0
FXTAL1
BLUENRGQTR
SPI1_MOSI
SPI1_SCK
BLE_IRQ
SPI1_MISO
SPI1_NSS
R1
10K
C2
1uF
C4
100nF
C3
100pF
C5
100nF
C24
100pF
C25
150nF
C28
1uF
C29
100nF
R4
10K
C20
15pF
C21
15pF
Y3
ABS07
C26
1uF
C27
100nF
Y2
ABM8
C17
15pF
C19
15pF
C22
1uF
C23
100nF
U5
B1
B2
A1
A2
BALF-NRG-01D3
LED
R6
10K
G
LED_ACTIVITY
R7
10K
B
LED_ERROR
R8
10K
R