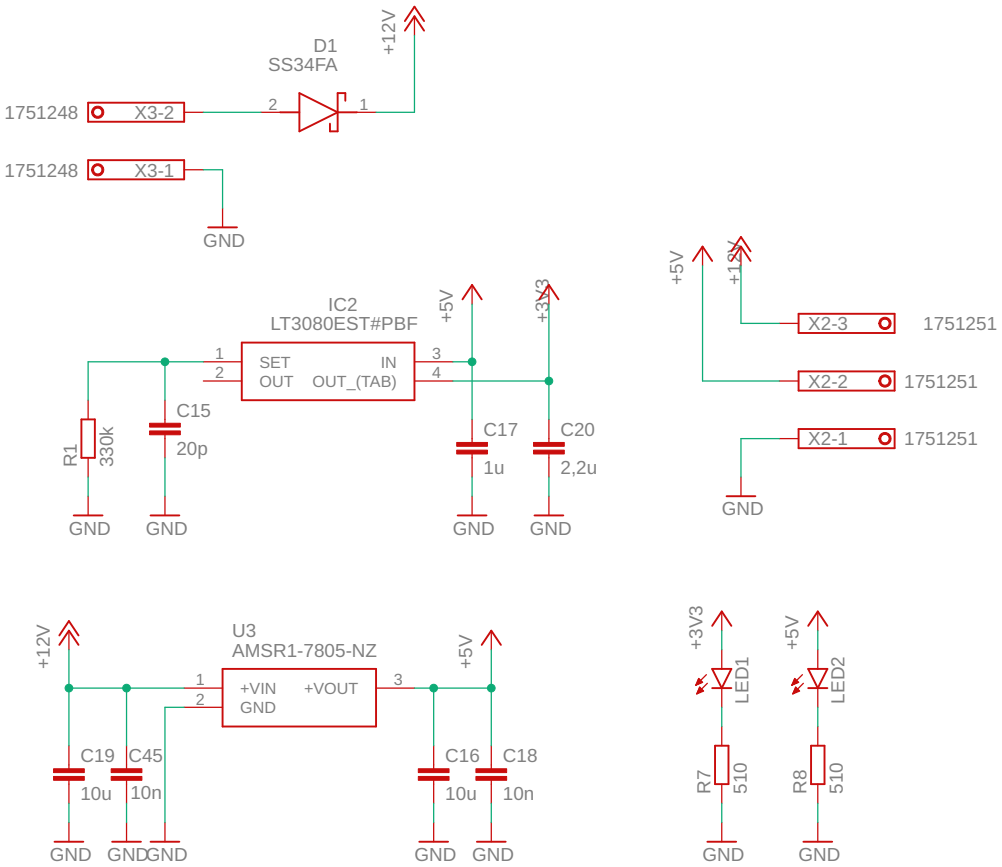
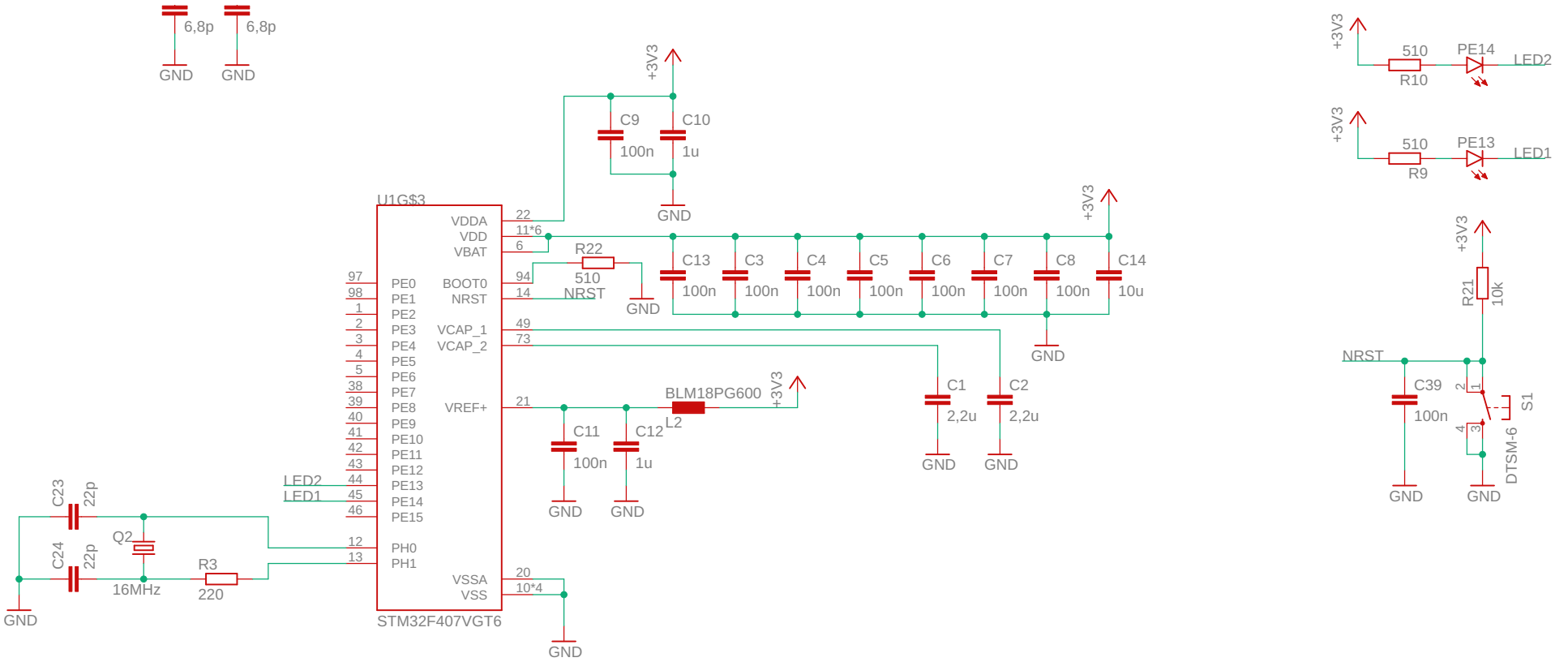
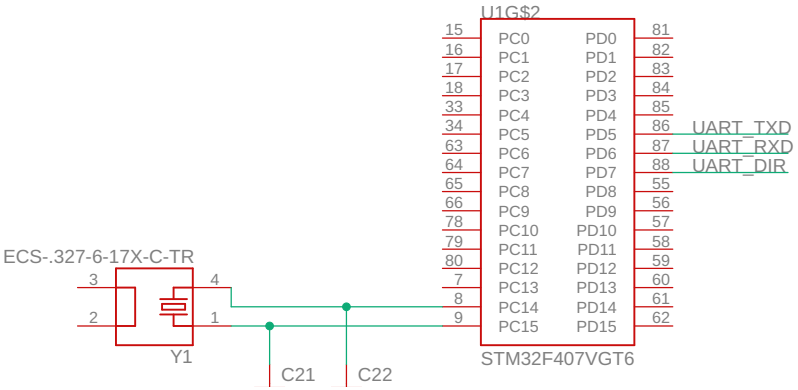
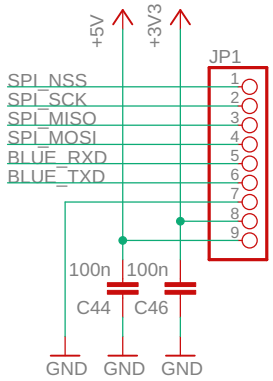
POWER SUPPLY

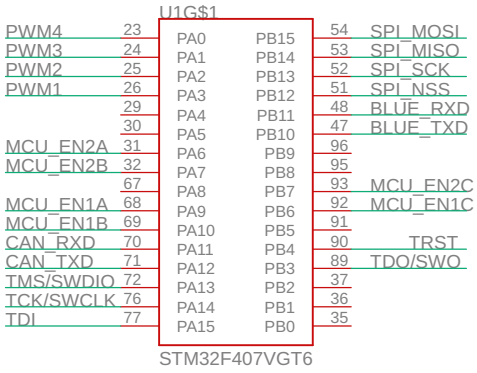


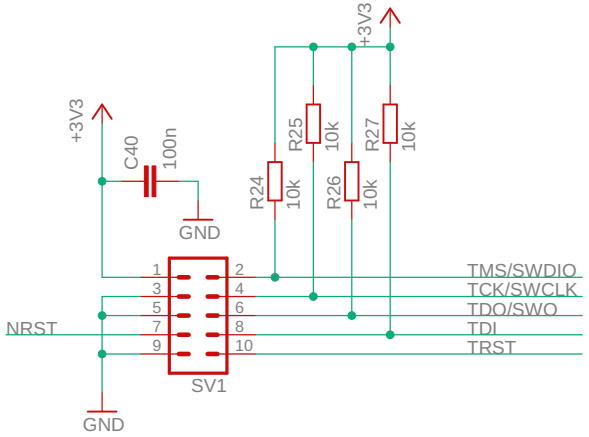

6,8p
6,8p
GND
GND
+3V3
C9
100n
C10
1u
GND
U1G$3
VDDA
VDD
VBAT
22
11*6
6
R22
510
NRST
GND
97
98
1
2
3
4
5
38
39
40
41
42
43
44
45
46
12
13
PE0
PE1
PE2
PE3
PE4
PE5
PE6
PE7
PE8
PE9
PE10
PE11
PE12
PE13
PE14
PE15
PH0
PH1
BOOT0
NRST
VCAP_1
VCAP_2
VREF+
VSSA
VSS
94
14
49
73
21
20
10*4
STM32F407VGT6
C13
100n
C3
100n
C4
100n
C5
100n
C6
100n
C7
100n
C8
100n
C14
10u
+3V3
GND
BLM18PG600
L2
C11
100n
C12
1u
C1
2,2u
C2
2,2u
LED2
LED1
C23
22p
C24
22p
Q2
16MHz
R3
220
GND
+3V3
510
PE14
LED2
R10
+3V3
510
PE13
LED1
R9
+3V3
R21
10k
NRST
C39
100n
S1
DTSM-6
GND
GND

MCU

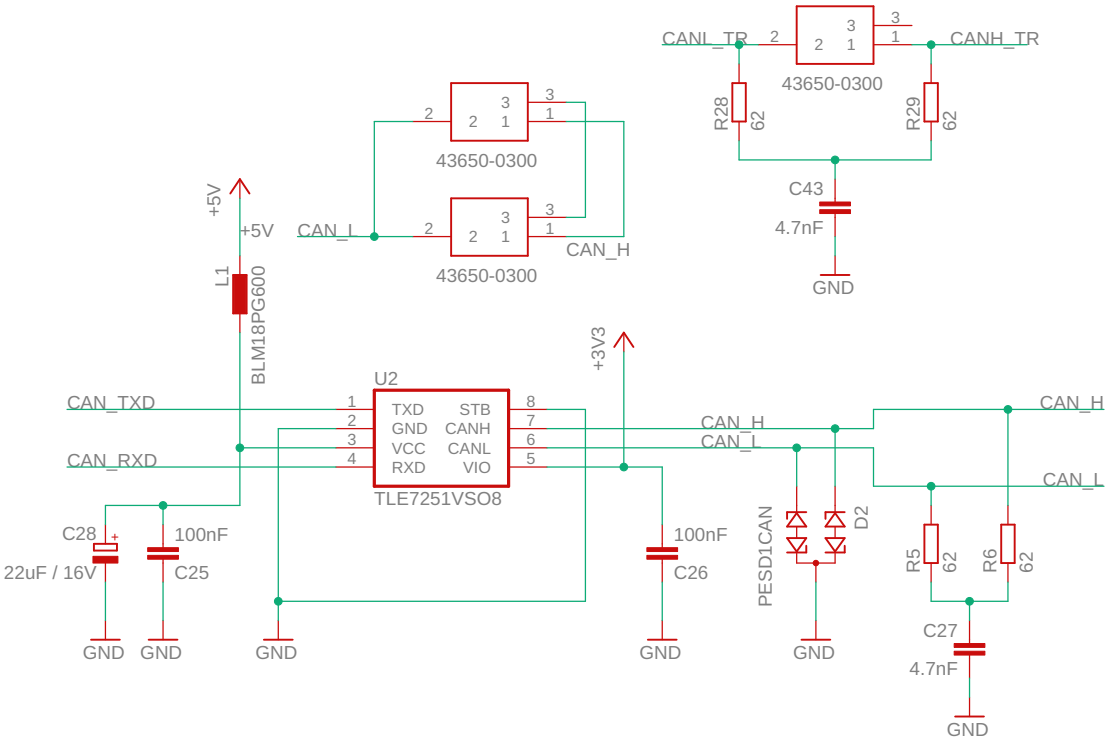

U1G$2
PC0 PD0
PC1 PD1
PC2 PD2
PC3 PD3
PC4 PD4
PC5 PD5
PC6 PD6
PC7 PD7
PC8 PD8
PC9 PD9
PC10 PD10
PC11 PD11
PC12 PD12
PC13 PD13
PC14 PD14
PC15 PD15
UART_TXD
UART_RXD
UART_DIR
STM32F407VGT6
ECS-.327-6-17X-C-TR
Y1
C21
C22


+5V
+3V3
JP1
SPI_NSS
SPI_SCK
SPI_MISO
SPI_MOSI
BLUE_RXD
BLUE_TXD
100n
100n
C44
C46
GND
GND
GND

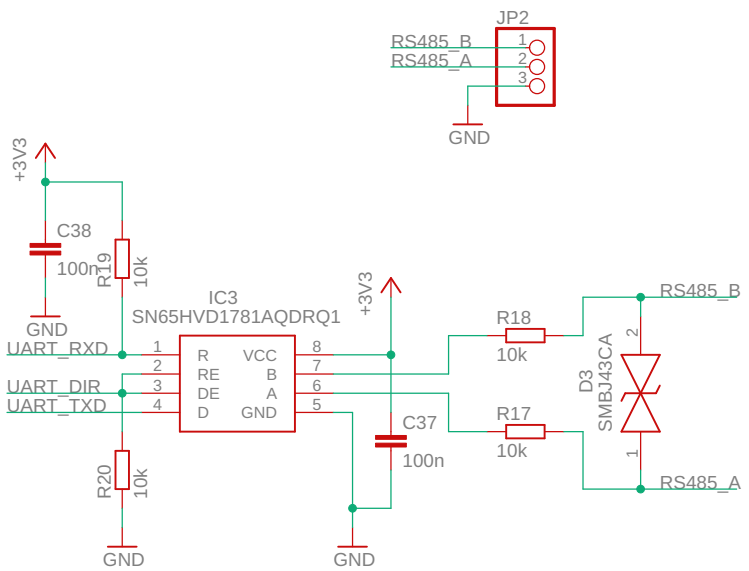
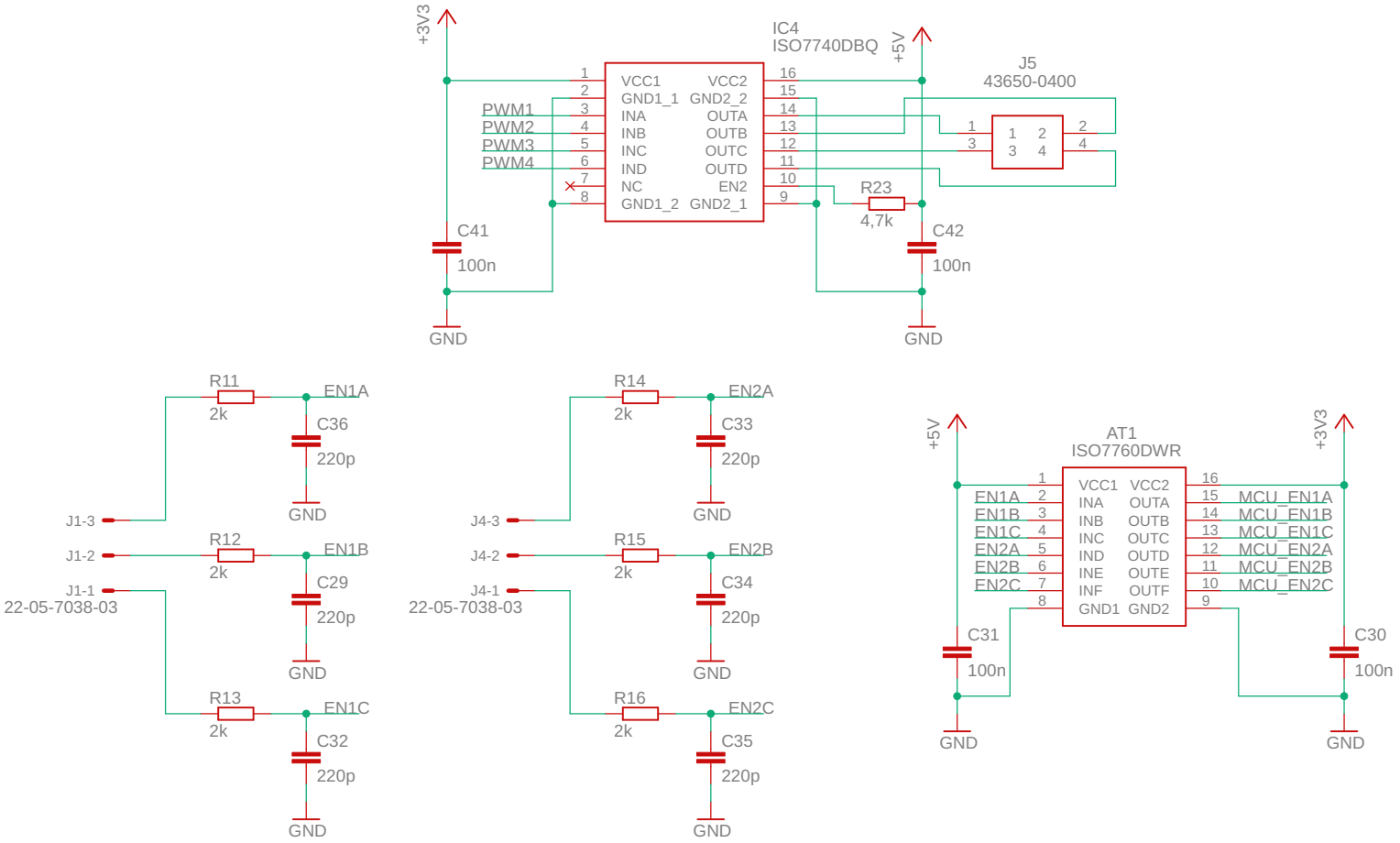

U1G$1
PWM4
PWM3
PWM2
PWM1
MCU_EN2A
MCU_EN2B
MCU_EN1A
MCU_EN1B
CAN_RXD
CAN_TXD
TMS/SWDIO
TCK/SWCLK
TDI
PA0 PB15
PA1 PB14
PA2 PB13
PA3 PB12
PA4 PB11
PA5 PB10
PA6 PB9
PA7 PB8
PA8 PB7
PA9 PB6
PA10 PB5
PA11 PB4
PA12 PB3
PA13 PB2
PA14 PB1
PA15 PB0
SPI_MOSI
SPI_MISO
SPI_SCK
SPI_NSS
BLUE_RXD
BLUE_TXD
MCU_EN2C
MCU_EN1C
TRST
TDO/SWO
STM32F407VGT6


+3V3
C40
100n
GND
R24
10k
R25
10k
R26
10k
R27
10k
+3V3
NRST
SV1
TMS/SWDIO
TCK/SWCLK
TDO/SWO
TDI
TRST
GND

CAN BUS



RS485



ENCODERS & PWM