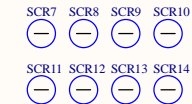
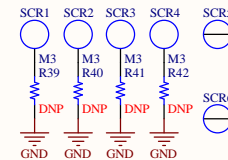
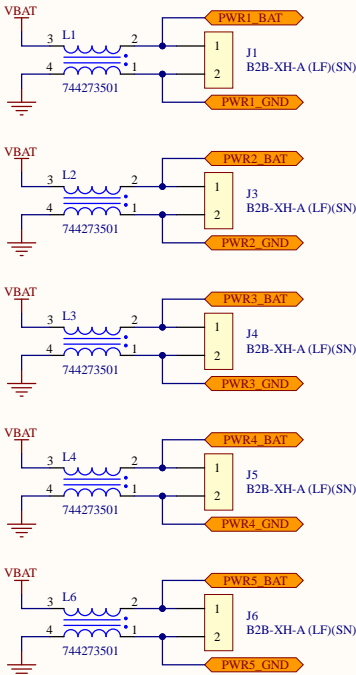


Fixation point for the MainBoard M3



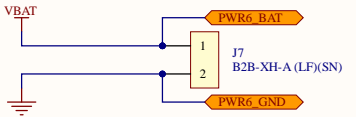
M3 holes for access to Motor Control Boards screws

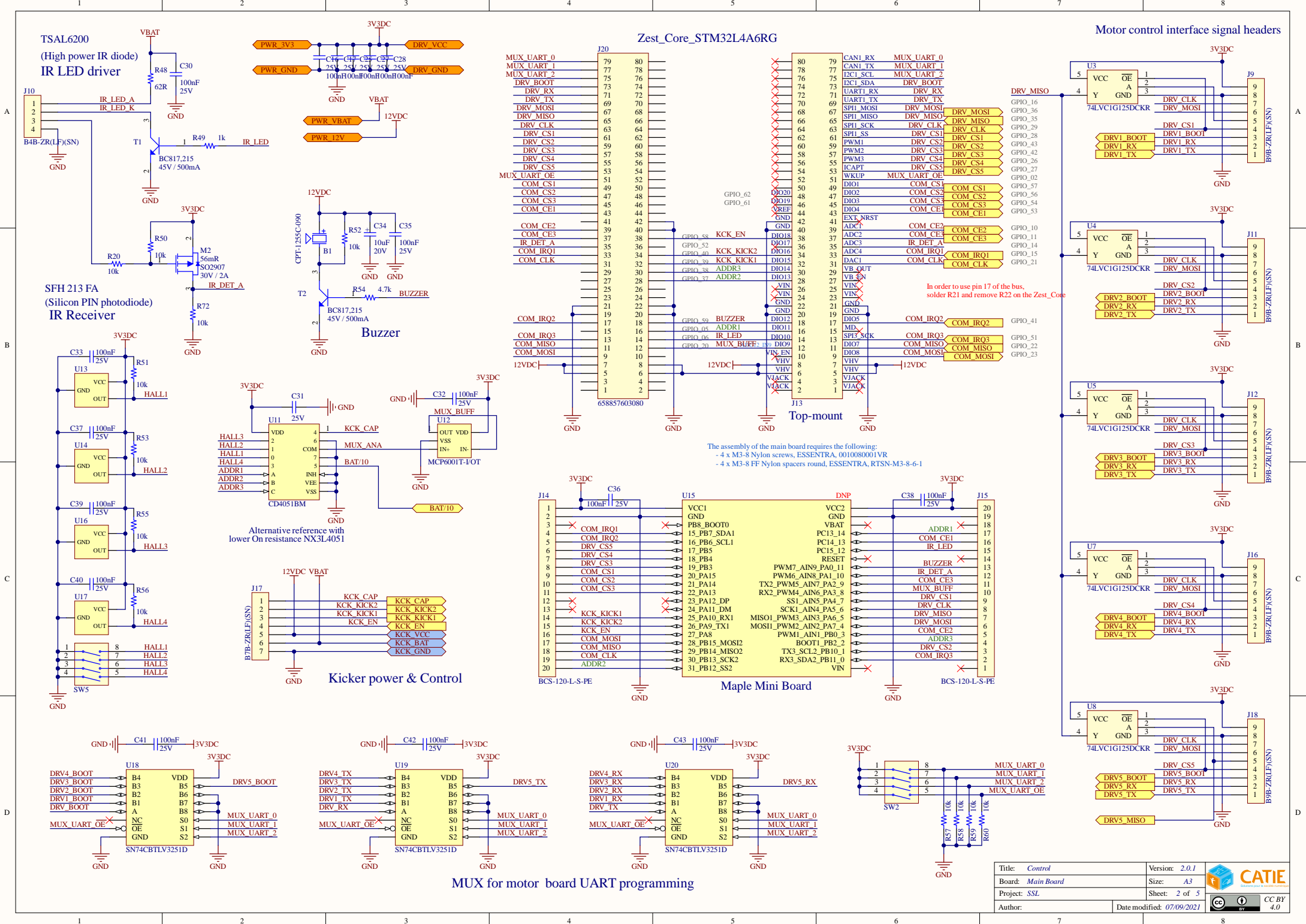
Motor supply headers



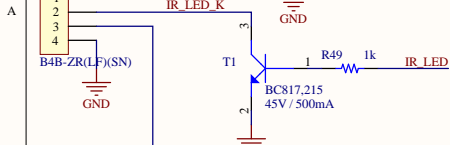
Common mode self
5A / 20R @ 720kHz

Spare supply headers

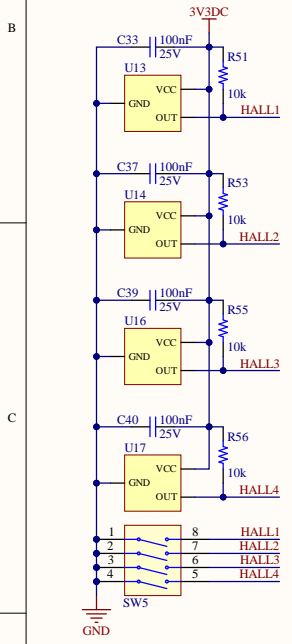




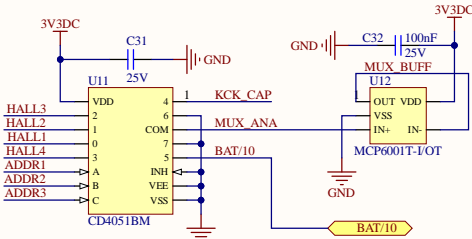
TSAL6200 (High power IR diode) IR LED driver



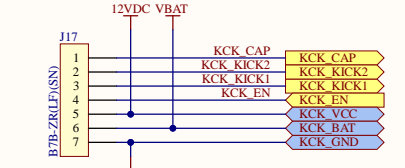
SFH 213 FA (Silicon PIN photodiode) IR Receiver



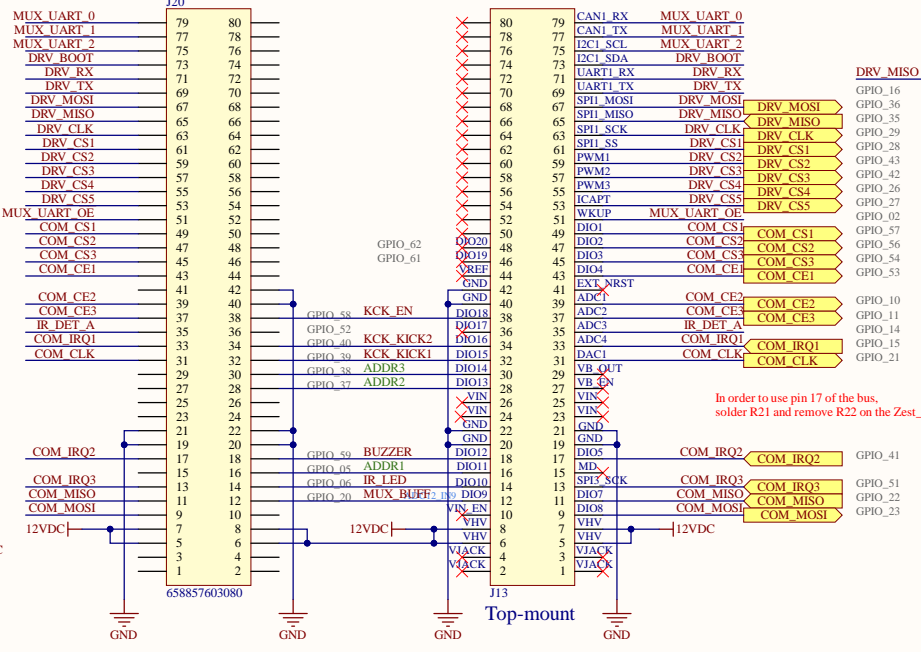
Buzzer



Kicker power & Control

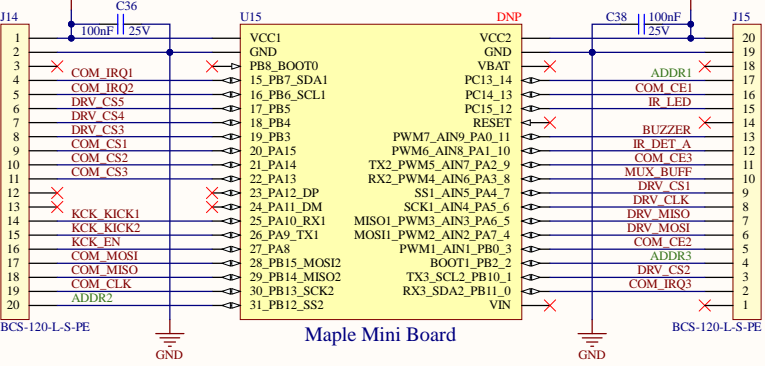


Zest_Core_STM32L4A6RG

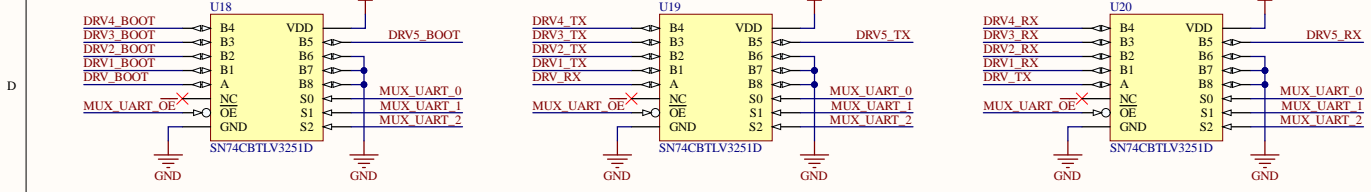


The assembly of the main board requires the following:
- 4 x M3-8 Nylon screws, ESSENTRA, 001080001VR
- 4 x M3-8 FF Nylon spacers round, ESSENTRA, RTSN-M3-8-6-1

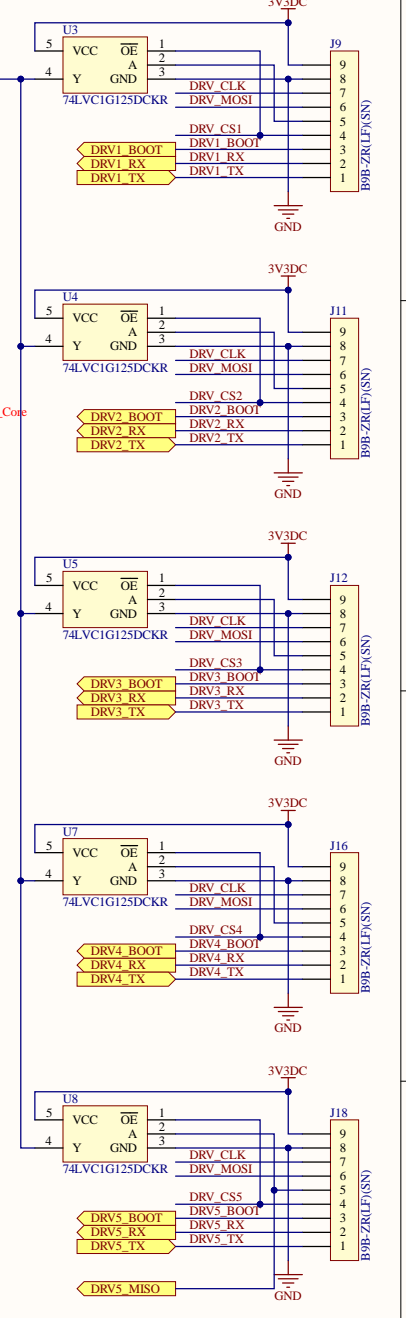
Maple Mini Board

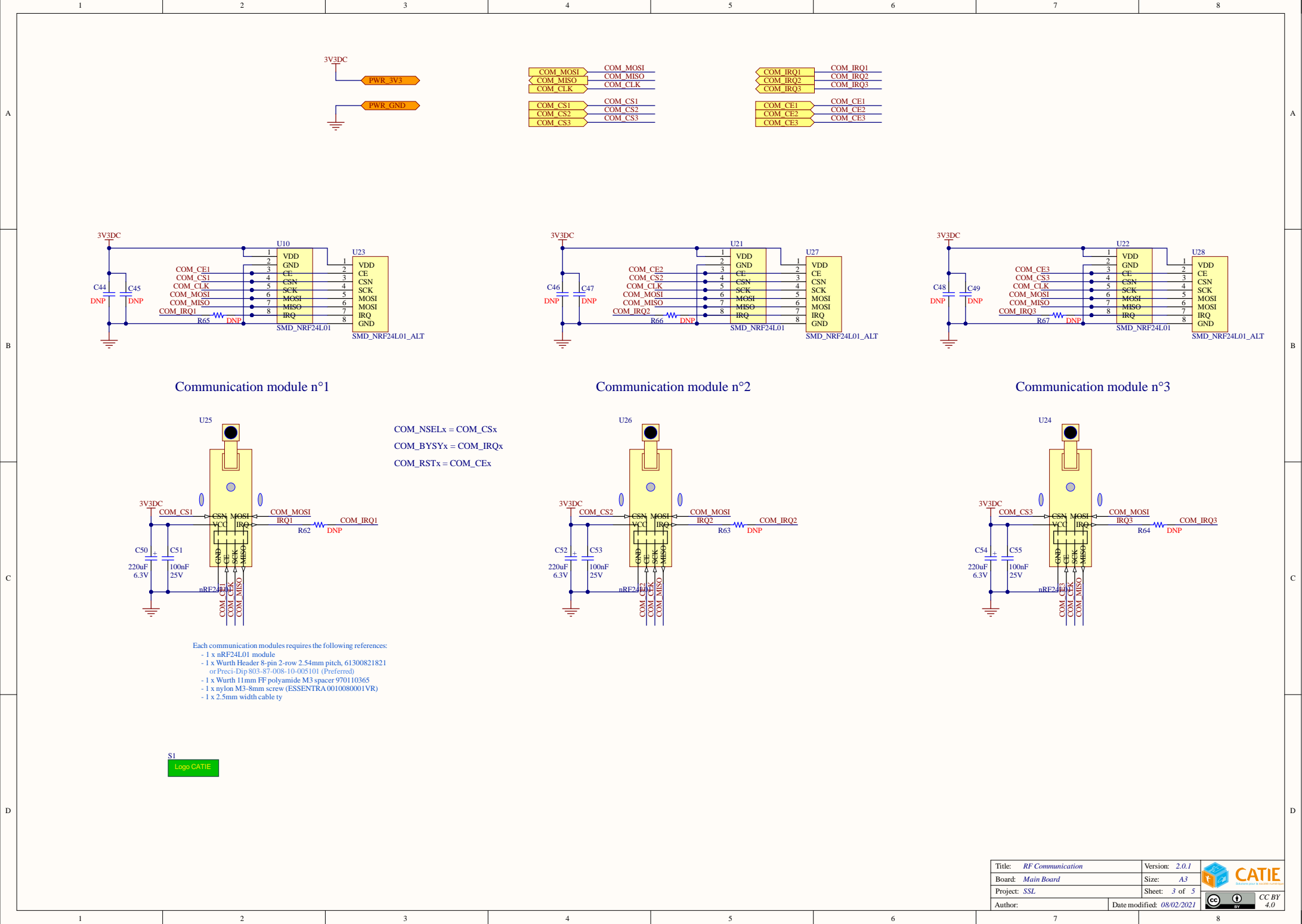


MUX for motor board UART programming



Motor control interface signal headers





A

A

B

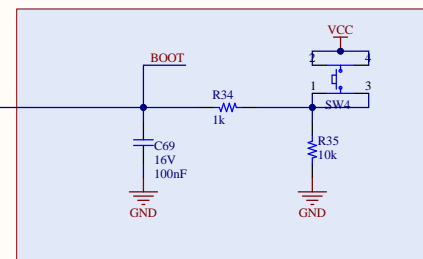
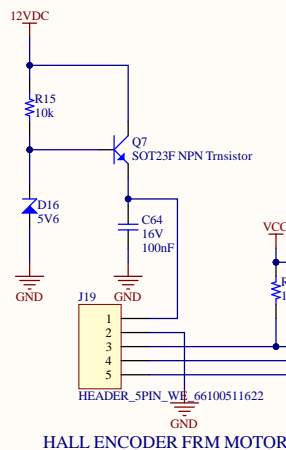
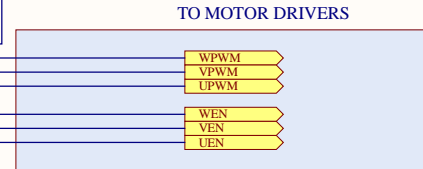
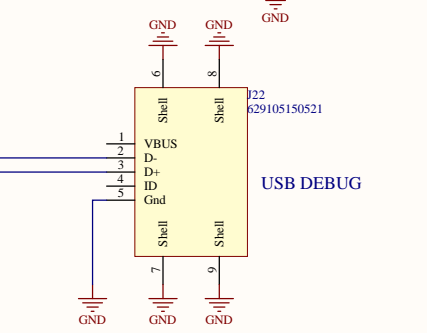
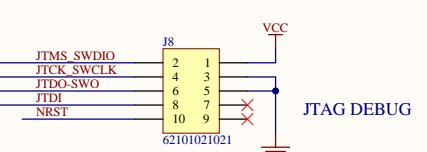
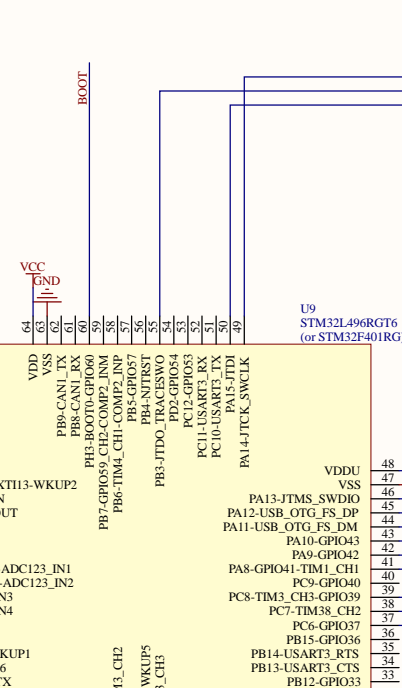
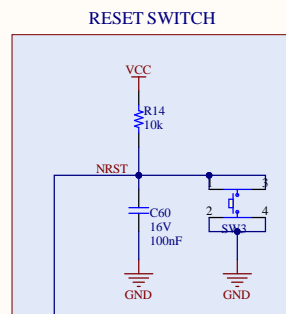
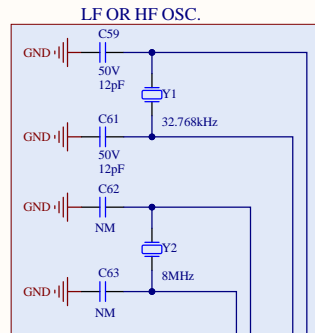
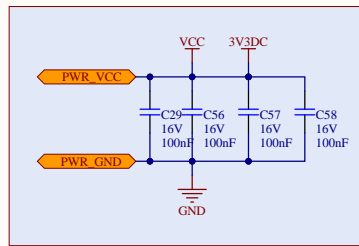
B

C

C

D

D



BOOT MODE CONTROL

R7 : ENTER BOOT MODE BY SWITCH
R13 : ENTER BOOT MODE BY MAINBOARD

Title: Control	Version: 2.0.1	
Board: Main Board	Size: A3	
Project: SSL_Mainboard	Sheet: 4 of 5	
Author: RDE	Date modified: 06/09/2021	

