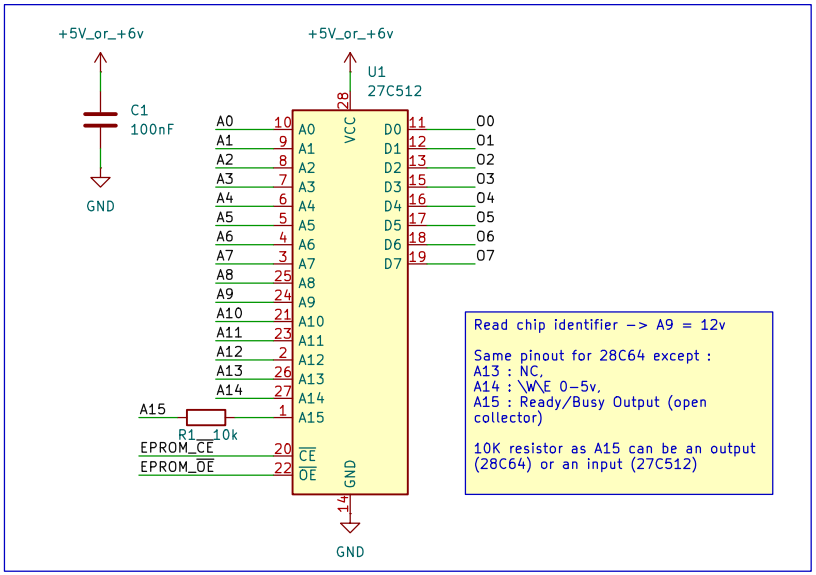
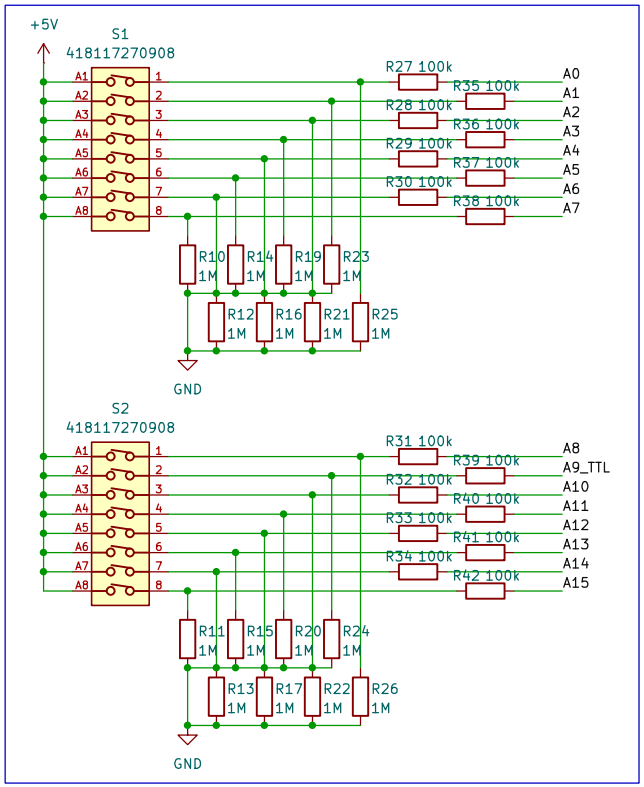
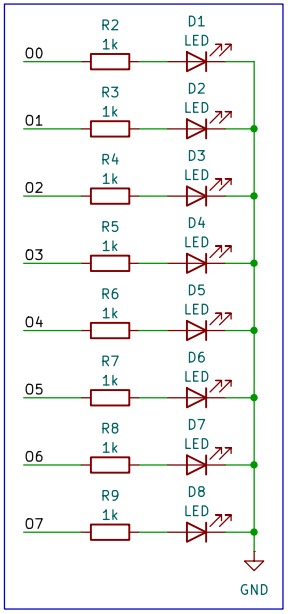
27C512 UV-EPROM (512kbits) or 28C64 EEPROM (64kbits)



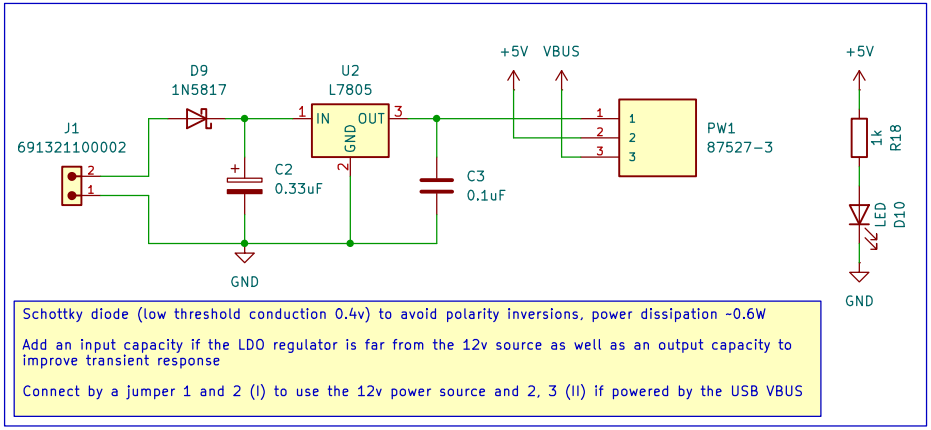
DIP SWITCHS EPROM's ADDRESS BUS



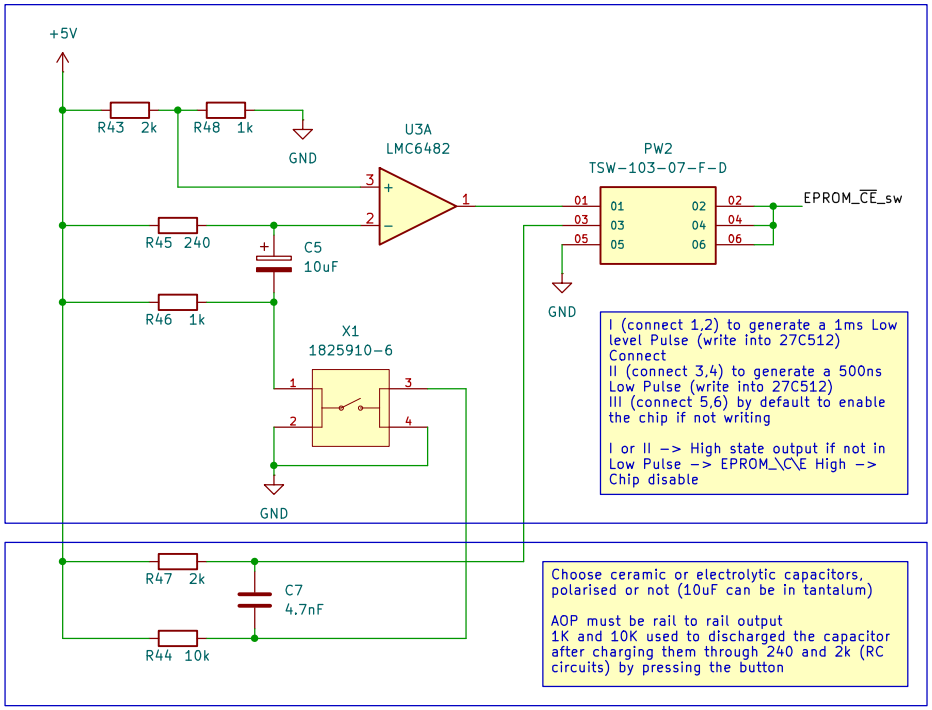
DATA BUS OUTPUT



LINEAR LDO (LOW DROPOUT REGULATOR) 5V FROM 12V POWER SOURCE

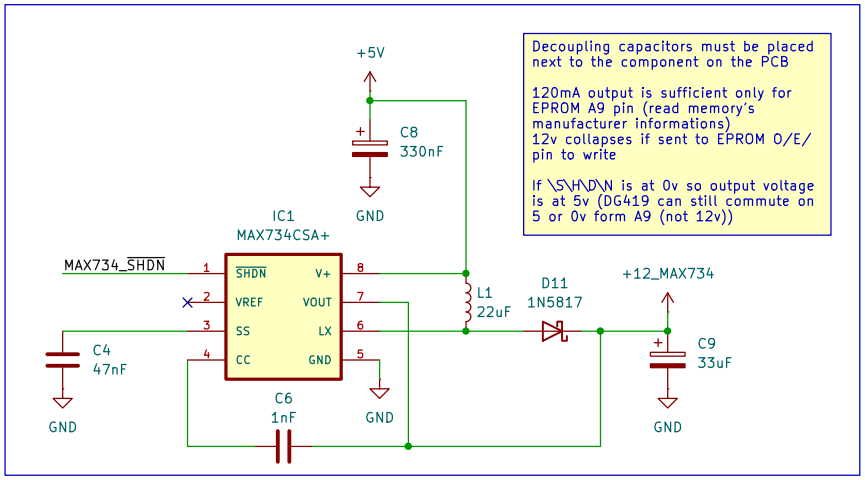


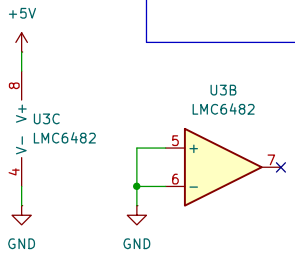
LOW PULSE !CE 1ms PROGRAMMING (WRITING) MODE (FOR D27C512)



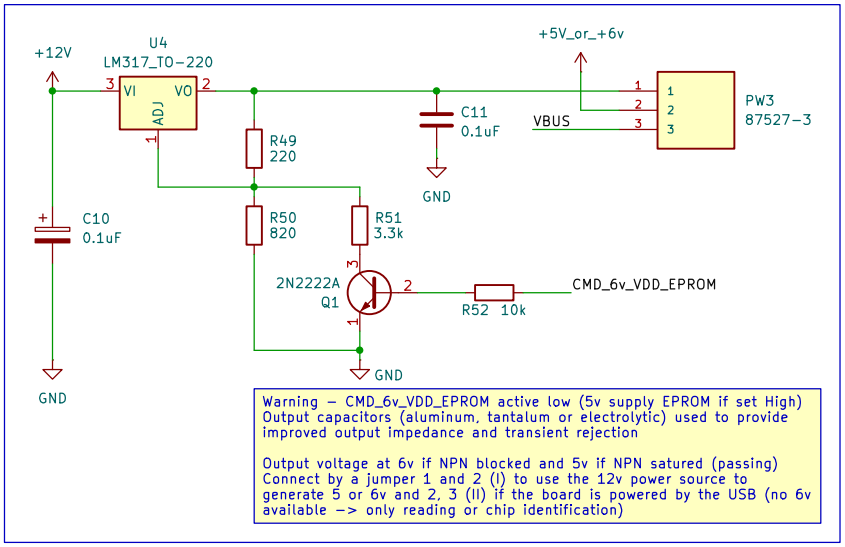
LOW PULSE !CE 500s PROGRAMMING (WRITING) MODE (FOR 28C64)

+12V 120mA PROGRAMMING SUPPLY VOLTAGE

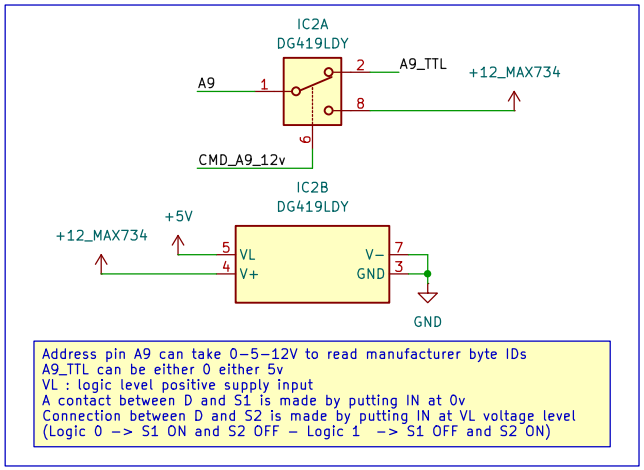




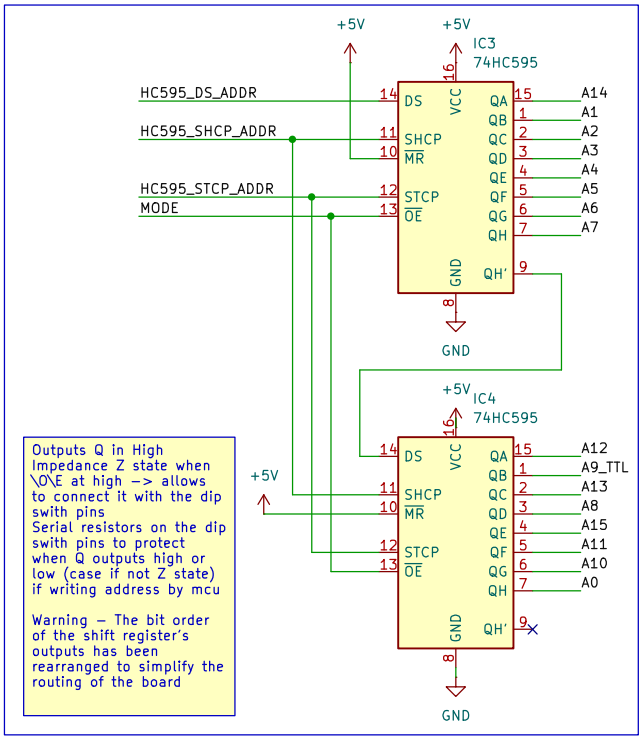
12V CONVERSION TO 5 OR 6V FOR EPROM POWER SUPPLY



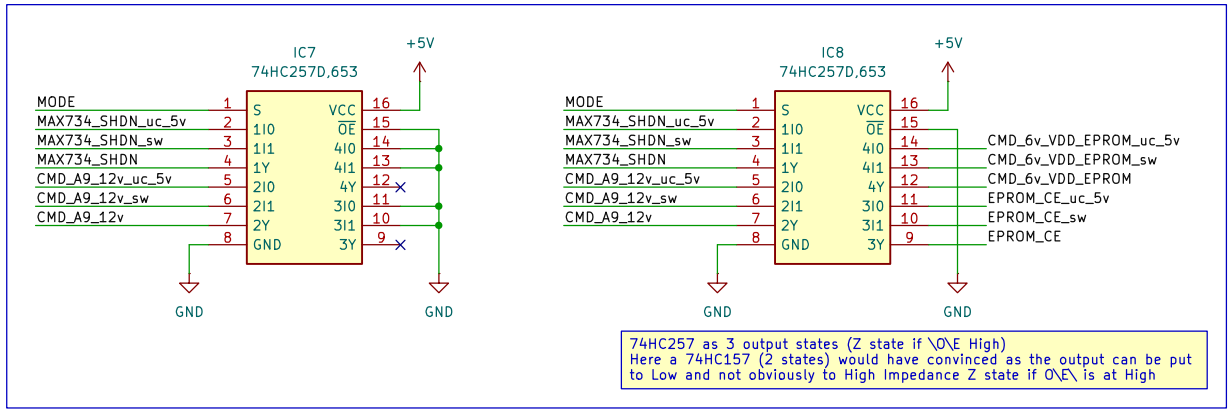
ANALOG SWITCH VOLTAGE SELECTION FOR EPROM A9 PIN



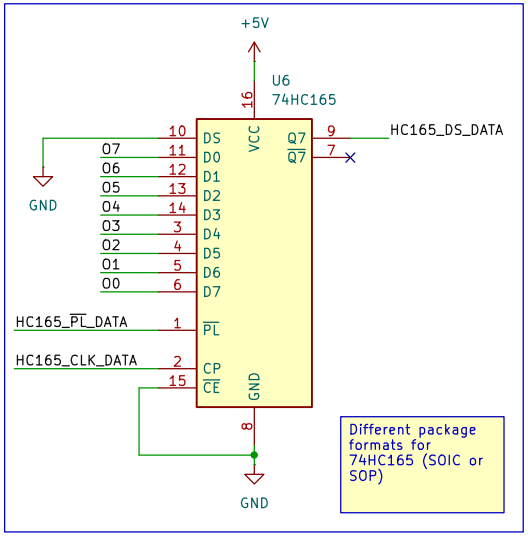
SHIFT REGISTERS (SERIAL INPUT -> PARALLEL OUTPUTS) FOR ADDRESS BUS WRITING



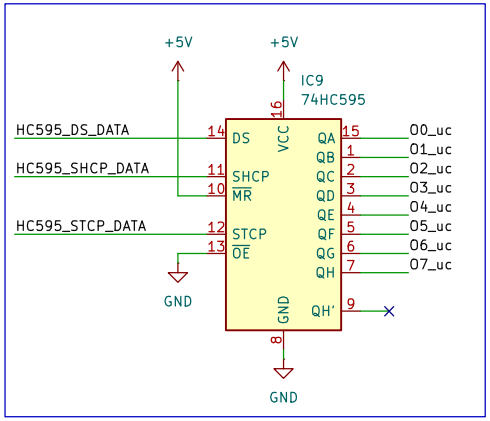
3 STATES QUAD MUX 2->1 - CONFIGURATION SETTING BY DIP SWITCHS OR MCU



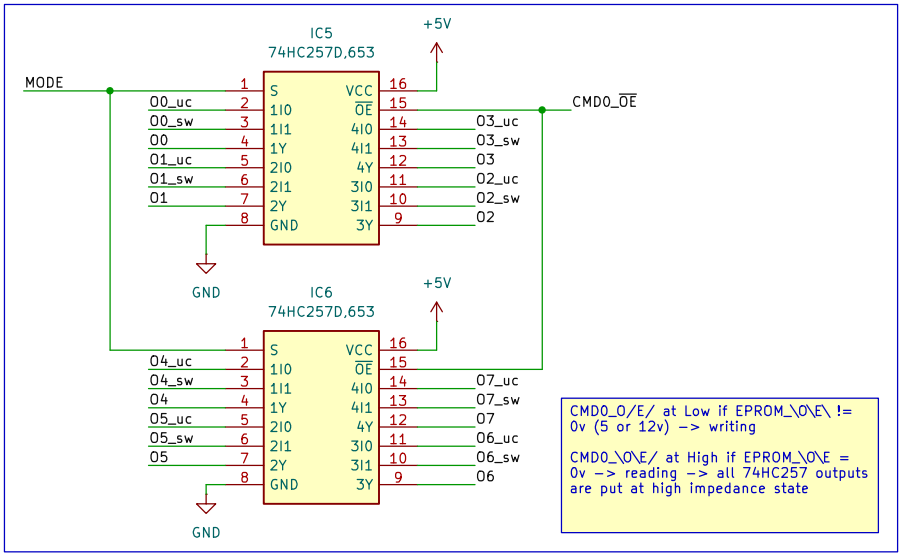
SHIFT REGISTERS (PARALLEL INPUT -> SERIAL OUTPUTS)
FOR DATA BUS READING



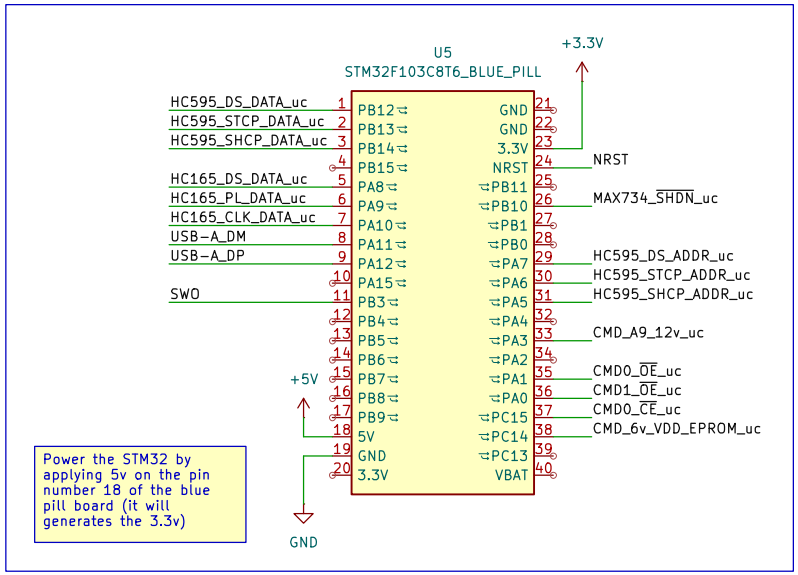
SHIFT REGISTERS (SERIAL INPUT -> PARALLEL OUTPUTS)
FOR DATA BUS WRITING



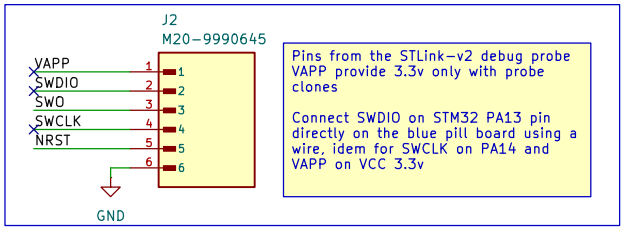
3 STATES QUAD MUX 2->1 WRITING DATA BUS BY DIP SWITCHS OR MCU



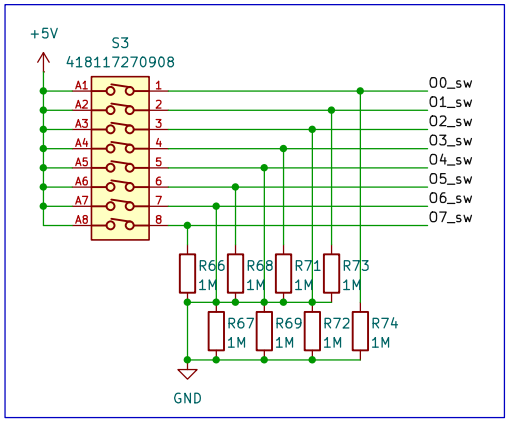
STM32F103C8T6 BLUE PILL BOARD



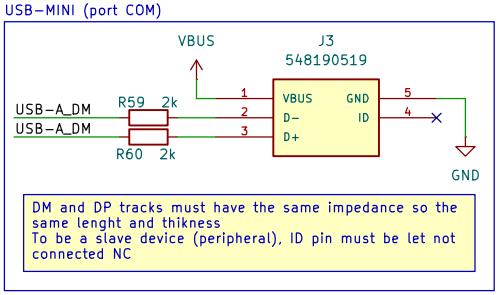
STM32 DEBUG PORT



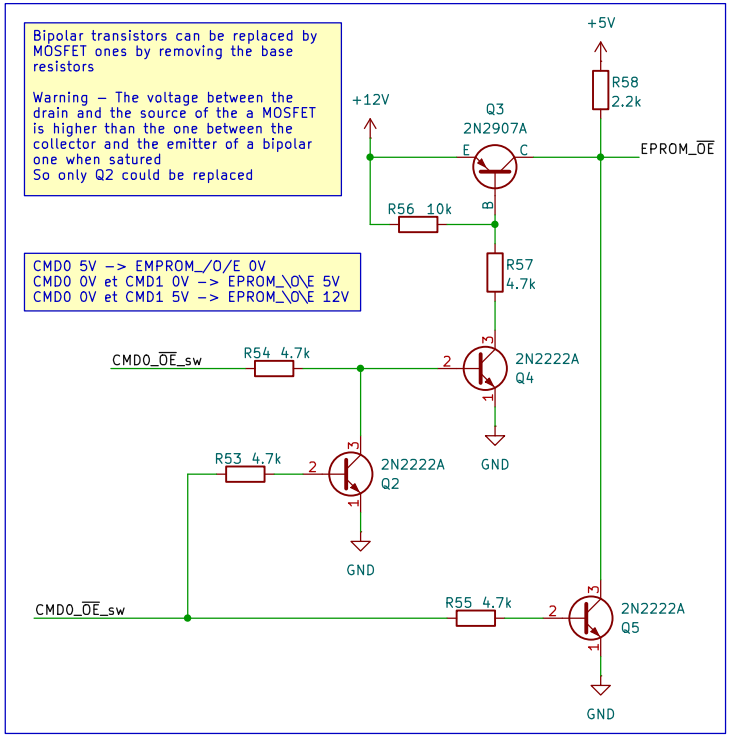
DIP SWITCHS EPROM's DATA BUS



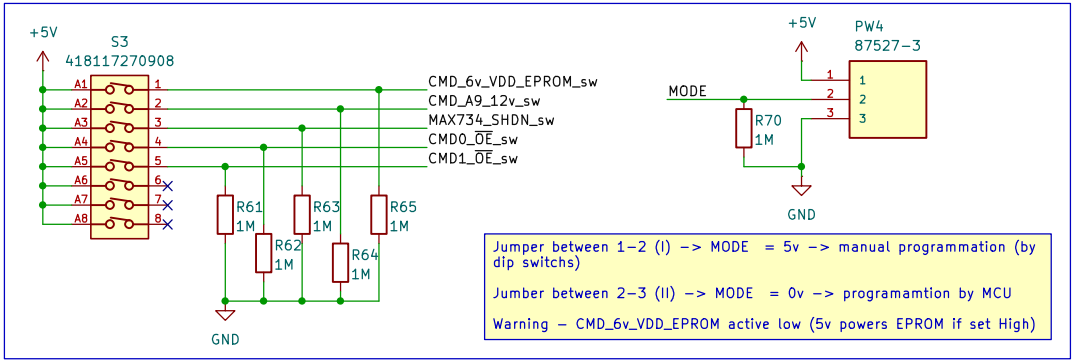
USB-MINI (port COM)



OUTPUT ENABLE EPROM COMMAND



DIP SWITCHS AND JUMPERS TO SET THE CONFIGURATION



BIDIRECTIONNAL VOLTAGE TRANSLATION 3.3 <-> 5v