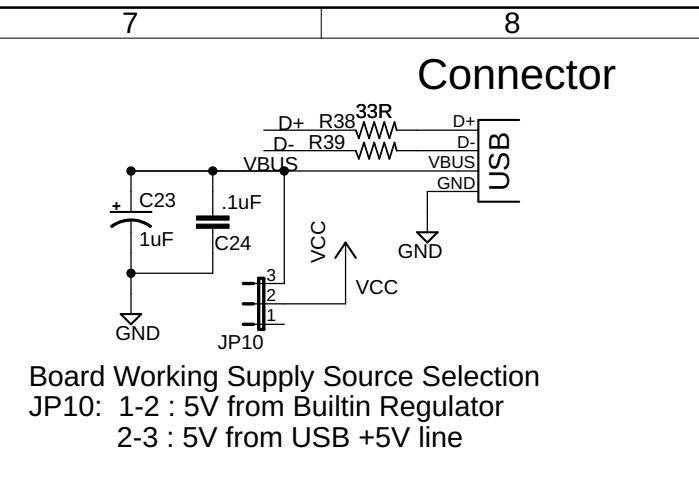
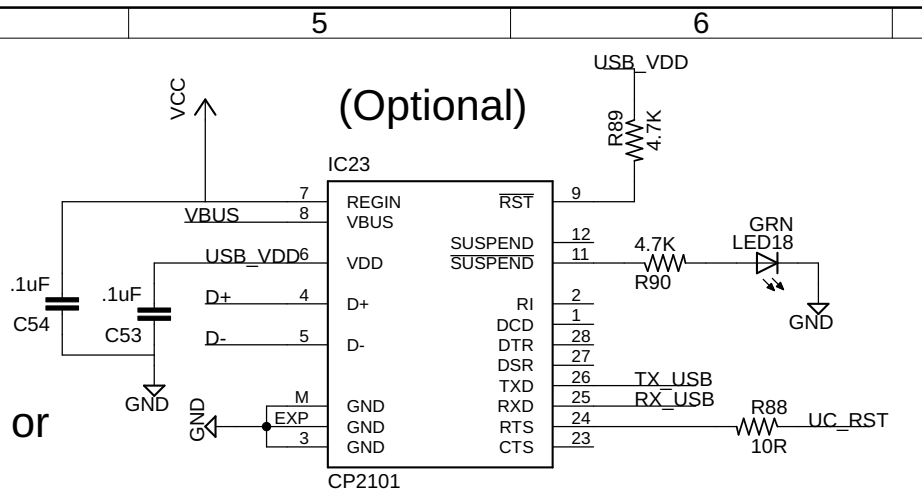
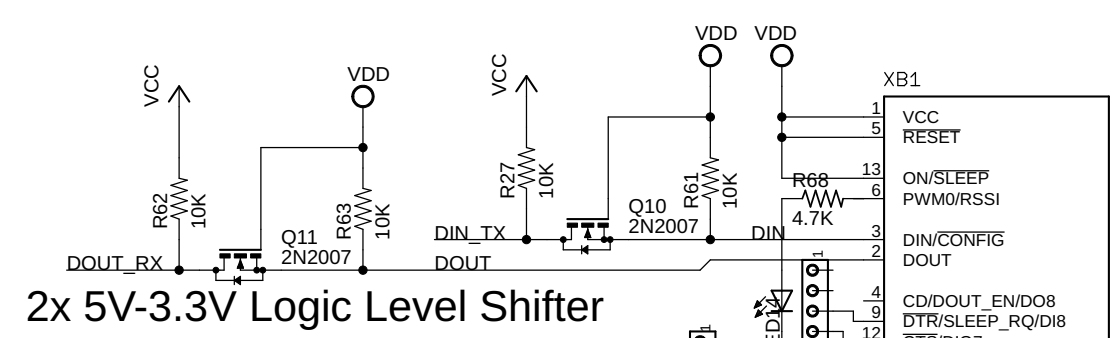


# USB

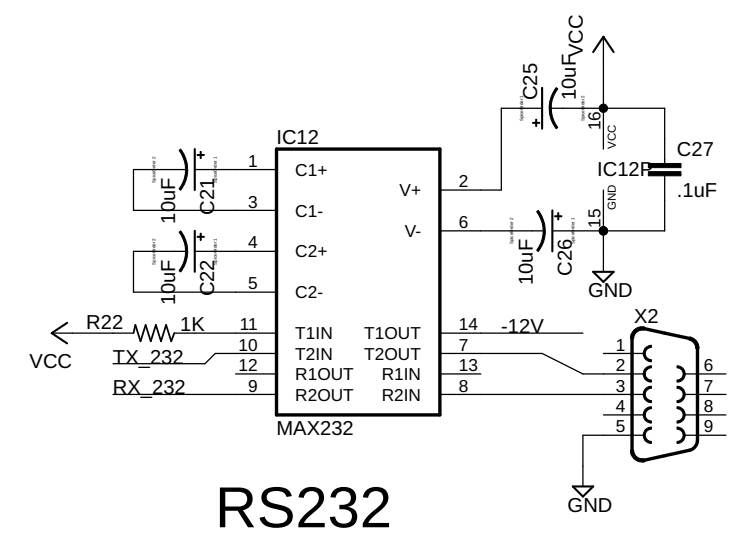


Board Working Supply Source Selection  
 JP10: 1-2 : 5V from Buitn Regulator  
 2-3 : 5V from USB +5V line

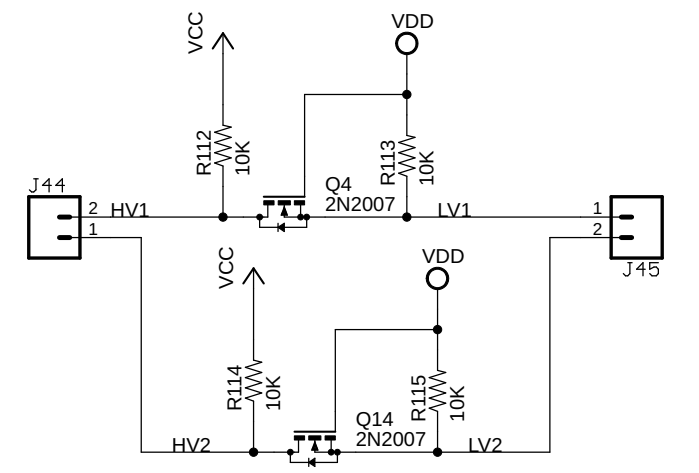
# USB - Serial communication circuit



2x 5V-3.3V Logic Level Shifter

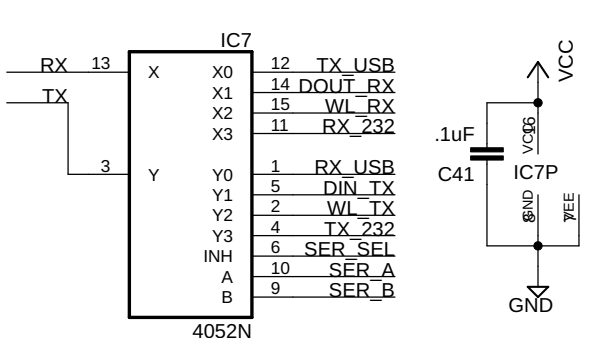


RS232

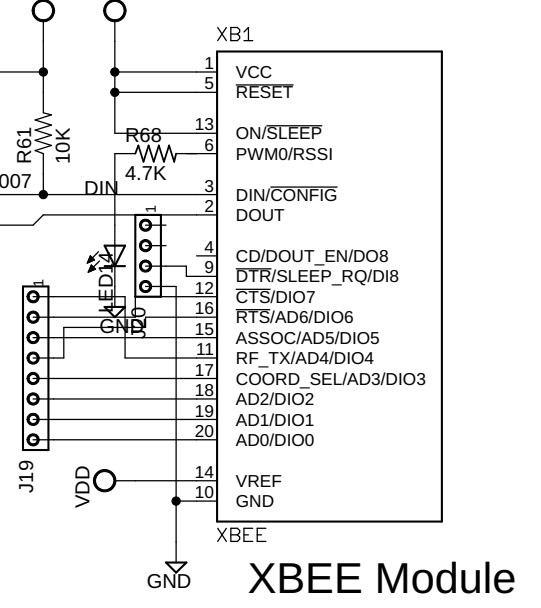


2x 5V-3.3V Logic Level Converter/Shifter

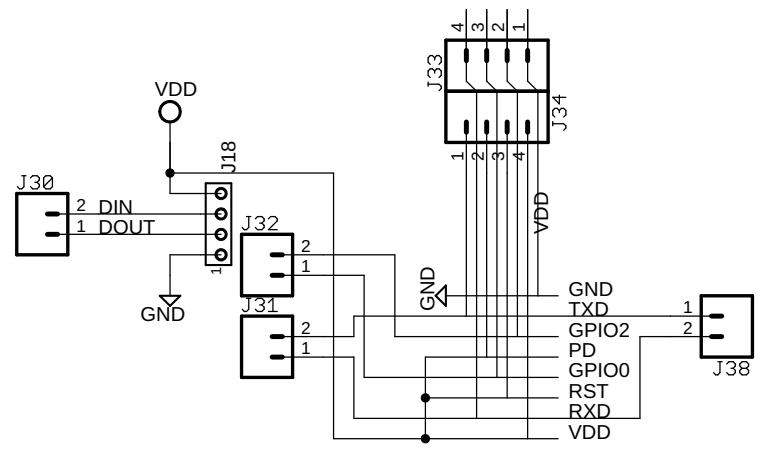
Microcontroller Side



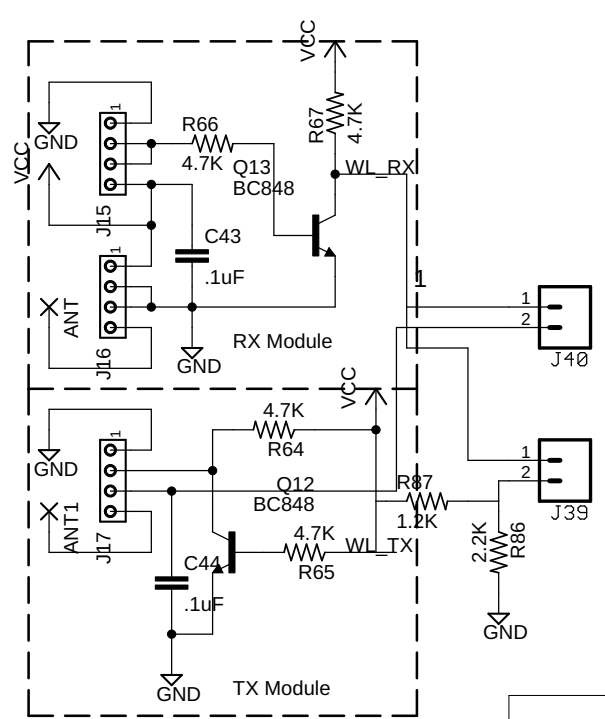
Dual 4x1 Multiplexer



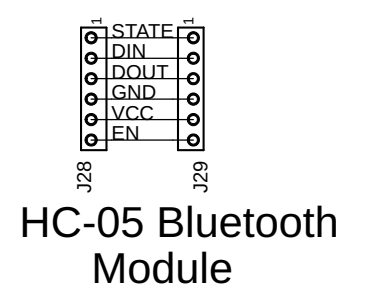
XBEE Module



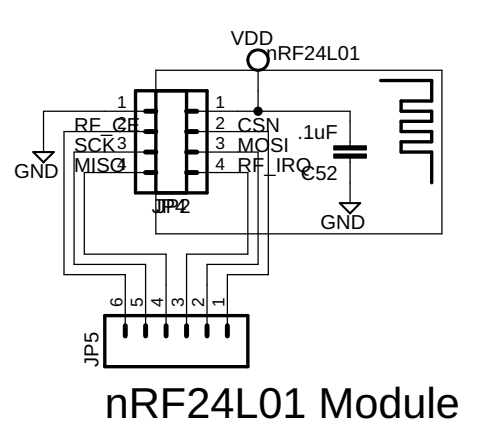
ESP-01 WiFi IOT Interface



433MHz ASK-FSK Wireless module



HC-05 Bluetooth Module



nRF24L01 Module

For ESP-01 Interfacing,  
 1) J30-31 pin shorting will use the same UART data lines , Level Shifted for the XBEE module  
 or  
 2) J38-39 pin Shorting will use the UART lines connected for the 433MHz RF modules

# Wireless Interfacing