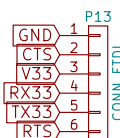
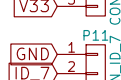
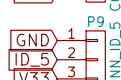
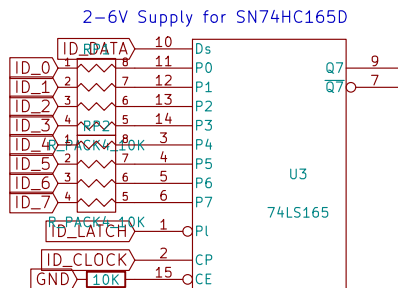
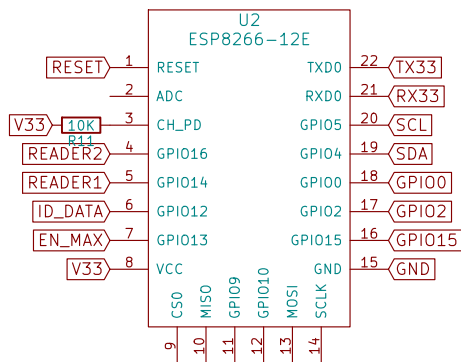
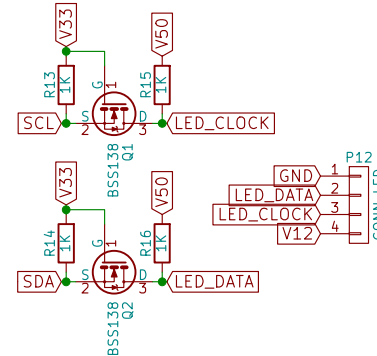


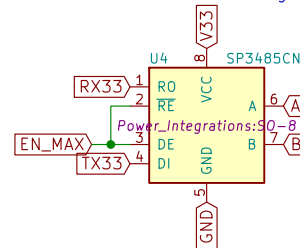
ESP8266  
GPIO15 pull down  
GPIO0 pull up, switch to gnd  
GPIO2 pull up  
0,2,15 Only as Outputs  
Can't use SPI



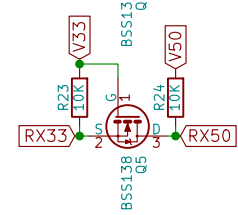
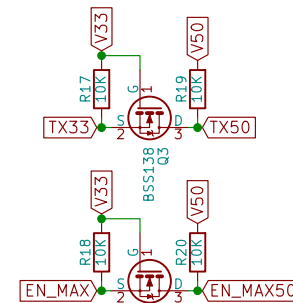
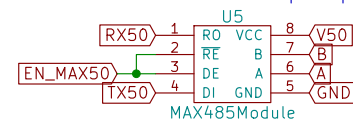
ESP8266 GPIO  
Max Current is 12mA  
3.3/12mA = 275 Ohm  
1K Ohm OK



SP3485 is 3.3V  
LOW is Receive  
GPIO15 is already default LOW  
But need to pull high  
for 5V Level Shifting



MAX485 Module is 5V  
HIGH is 3.5V  
Can't use GPIO15  
due to MOSFET pull up



Matthew Swarts

Sheet: /  
File: GOLMain\_RevA.sch

Title: GOLMain

Size: A4  
KiCad E.D.A. kicad 4.0.4-stable

Date: 2017-03-11  
Rev: A  
Id: 1/1