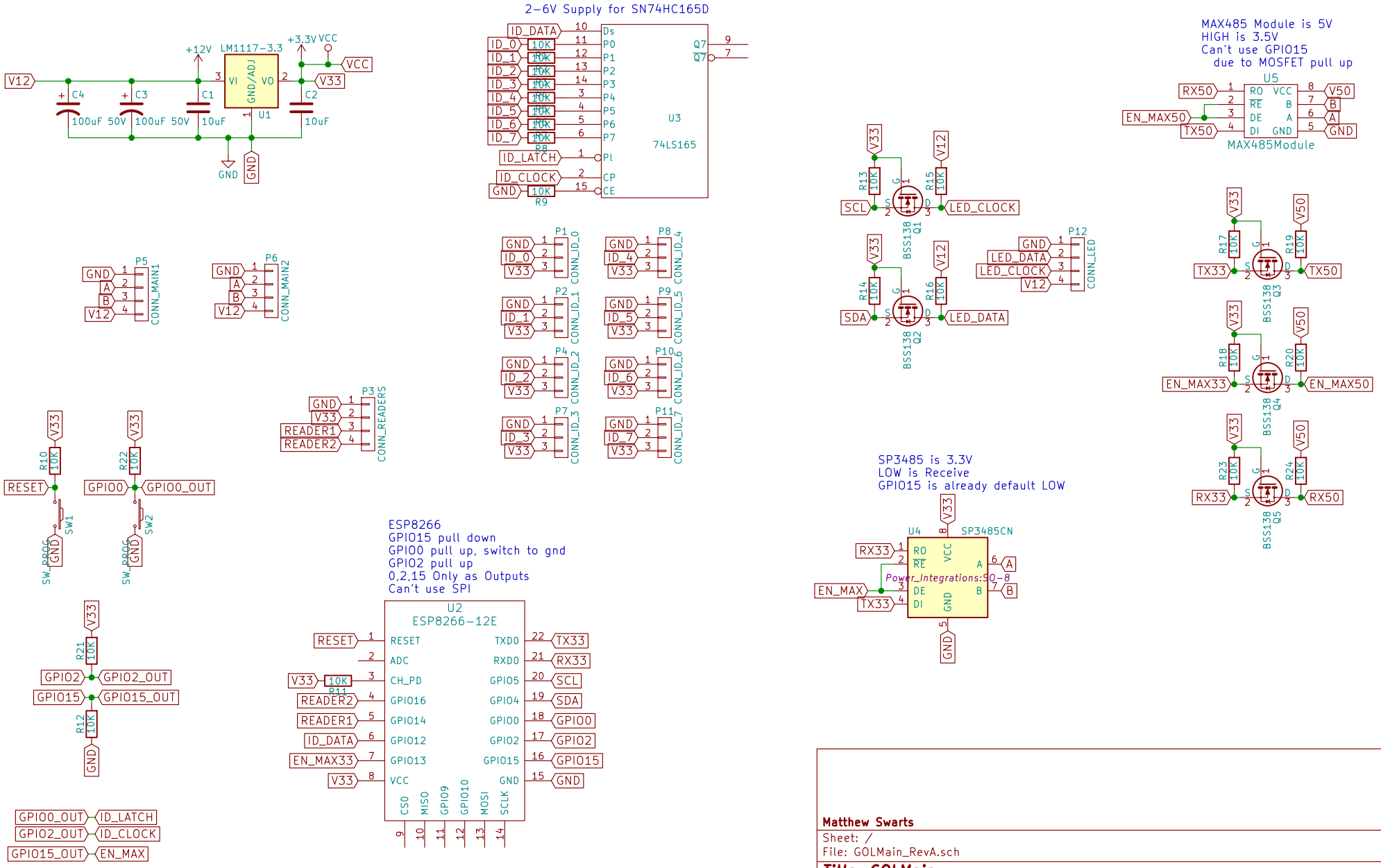
2-6V Supply for SN74HC165D
MAX485 Module is 5V
HIGH is 3.5V
Can't use GPIO15
due to MOSFET pull up
SP3485 is 3.3V
LOW is Receive
GPIO15 is already default LOW
ESP8266
GPIO15 pull down
GPIO0 pull up, switch to gnd
GPIO2 pull up
0,2,15 Only as Outputs
Can't use SPI
LM1117-3.3
U1
U2
ESP8266-12E
U3
74LS165
U4
SP3485CN
U5
MAX485Module
BSS138
CONN_MAIN1
CONN_MAIN2
CONN_READERS
CONN_ID_0
CONN_ID_1
CONN_ID_2
CONN_ID_3
CONN_ID_4
CONN_ID_5
CONN_ID_6
CONN_ID_7
CONN_LED
Matthew Swarts
Sheet: /
File: GOLMain_RevA.sch
Title: GOLMain
Size: A4
Date: 2017-03-10
Rev: A
KiCad E.D.A. kicad 4.0.4-stable
Id: 1/1