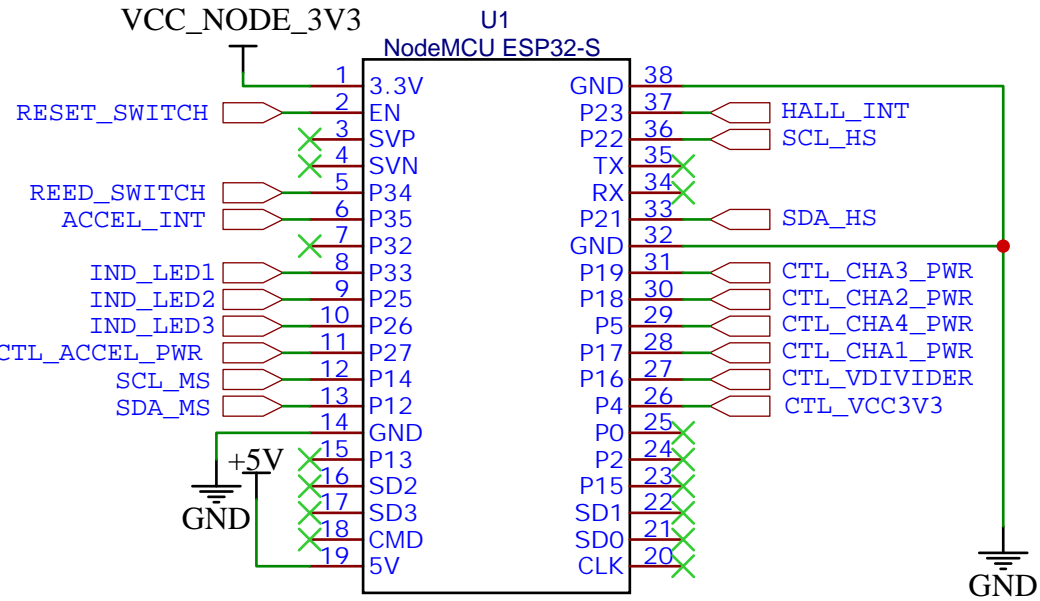
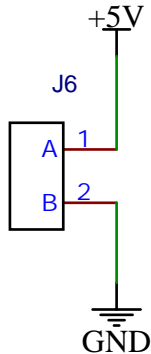


# ESP32 Module (NODEMCU ESP-32S)

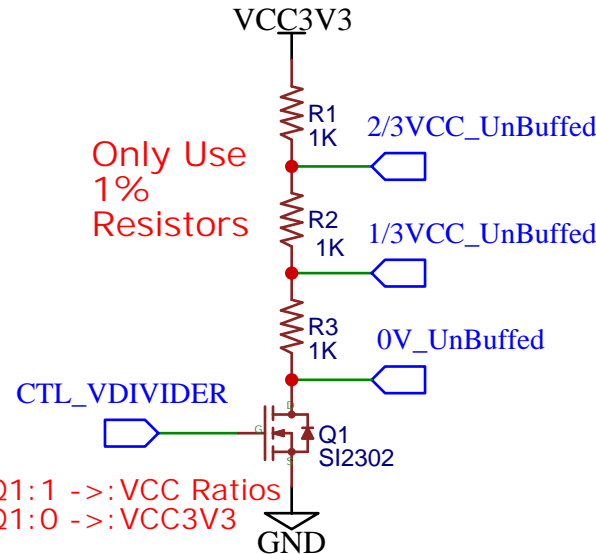


## Ext. 5V Power

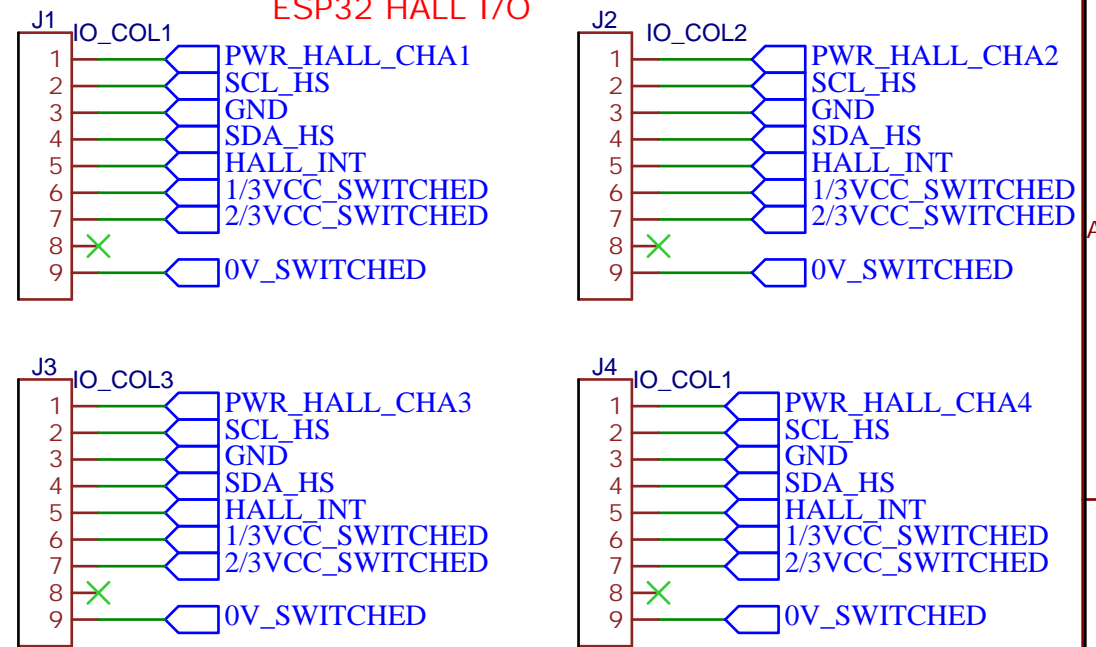


## Toggleable Voltage Divider

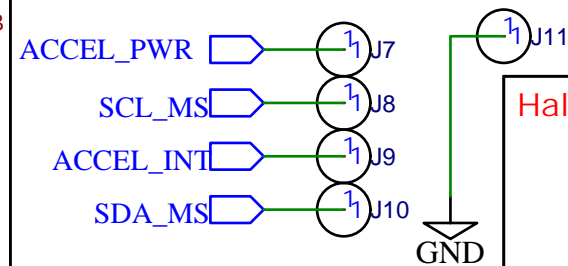
Only Use 1% Resistors



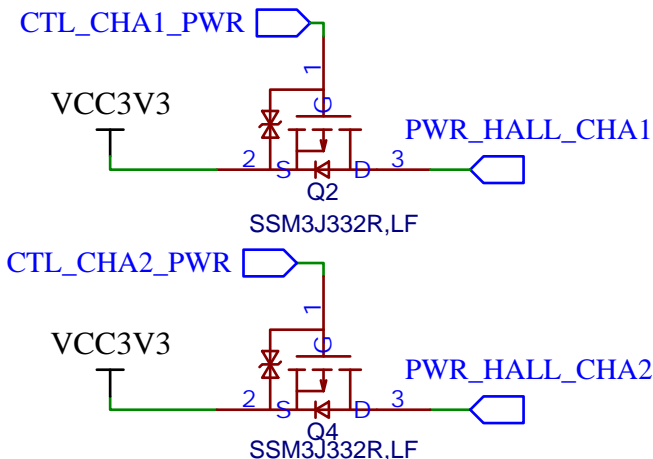
## ESP32 HALL I/O



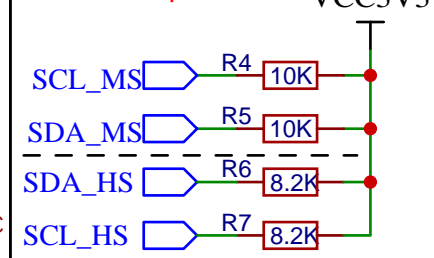
## Accelerometer IO



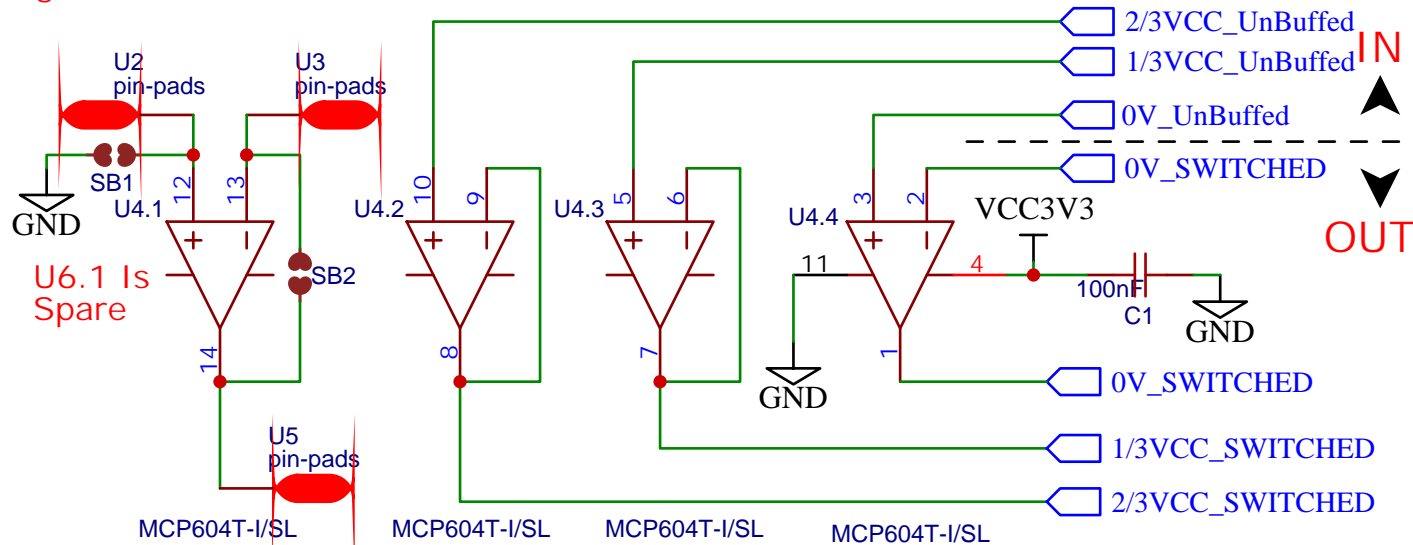
## Hall Sensor Column Power Control 1/2



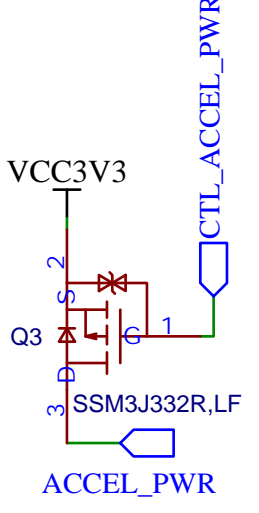
## I2C Pullups



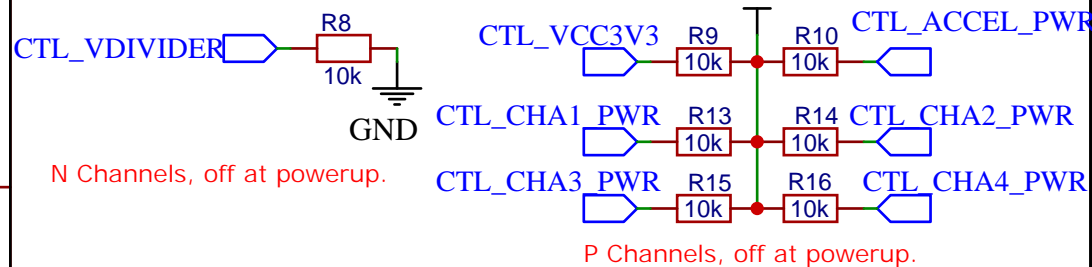
## Voltage Divider Buffer



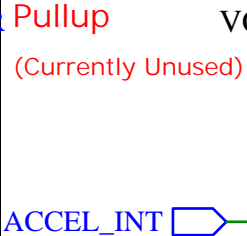
## Accelerometer Power Control



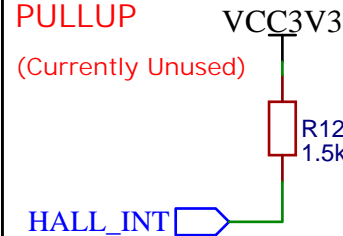
## Initial Power Control



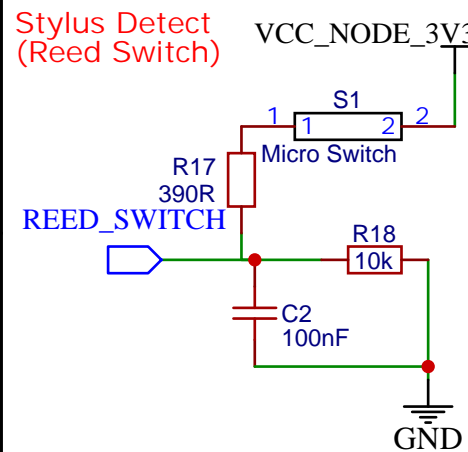
## Accel Int. Pullup



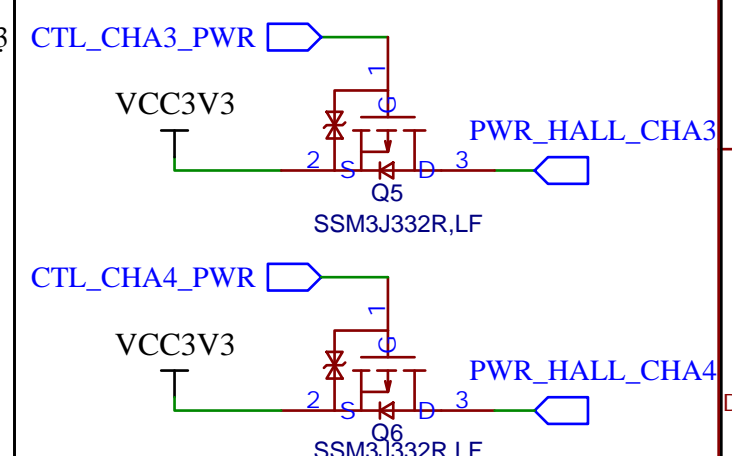
## HALL INTERRUPT PULLUP



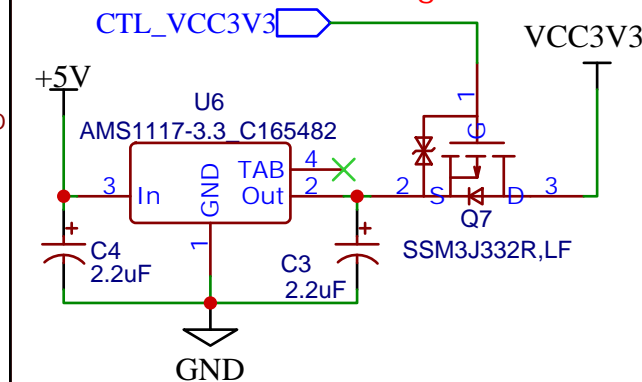
## Stylus Detect (Reed Switch)



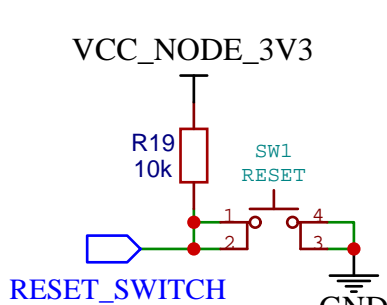
## Hall Sensor Column Power Control 2/2



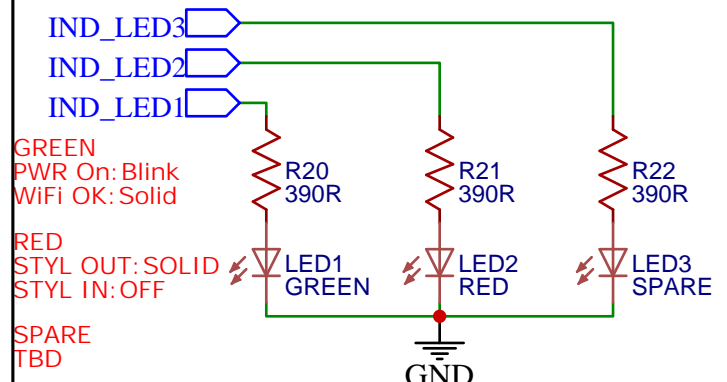
## Matrix & Accel 3.3V Regulator



## EXT. Reset Switch



## STATUS INDICATORS



TITLE:

ESP32 SubSystem

REV: 1.03



Company: ECE4600 G15

Sheet: 1/1

Date: 2021-12-11 Drawn By: David Stewart