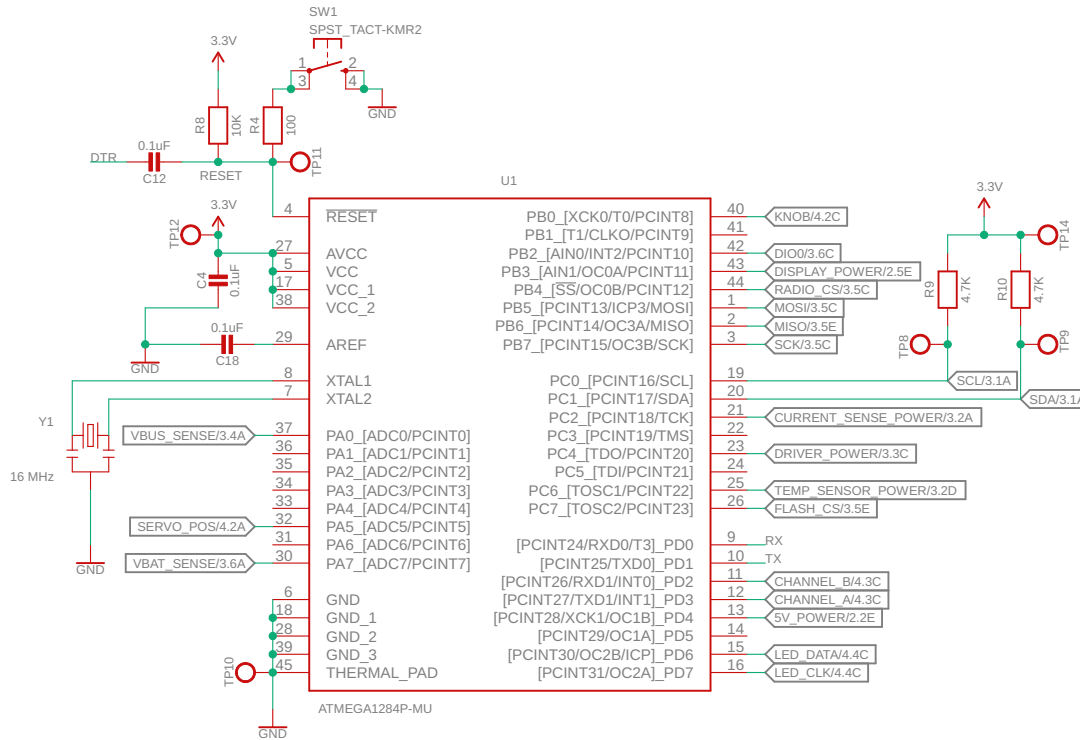
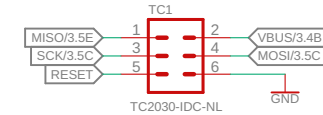


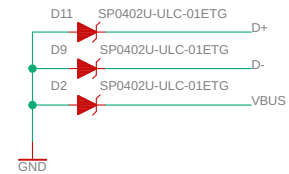
# ATMEGA1284P MCU



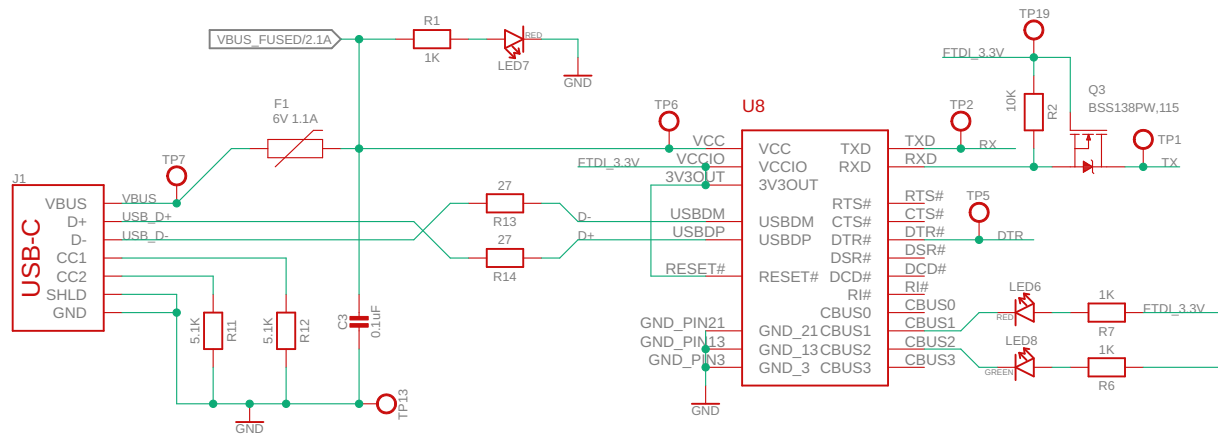
# TAG-CONNECT ISP PROG HEADER



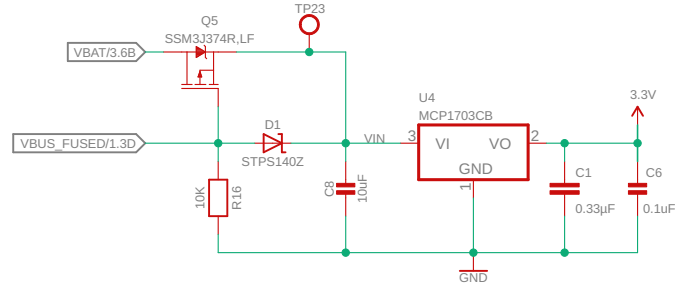
# ESD DIODES



# USB TO SERIAL FTDI INTERFACE

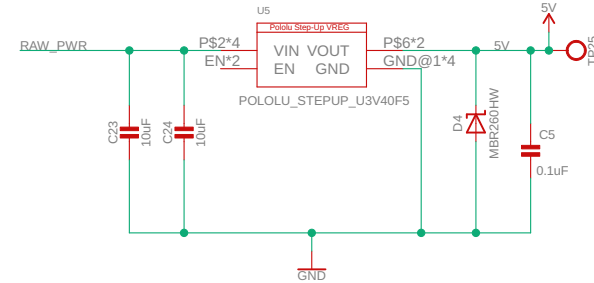


## 3.3V VOLTAGE REGULATOR

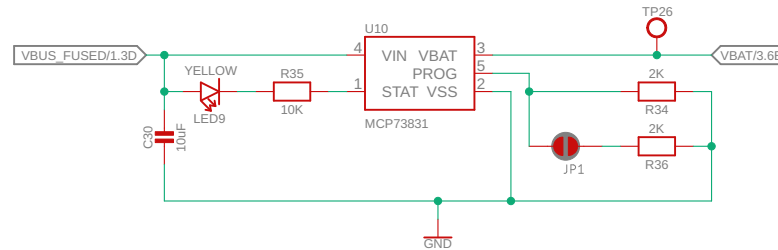


## 5V VOLTAGE REGULATOR

Note: Output voltage can be set to 5.2V by swapping R2 (on U5) to 147k ohm. This gives headroom to account for servo's inrush current



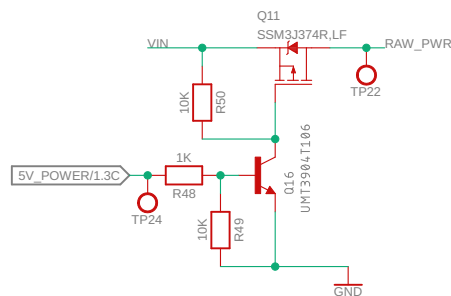
## 3.7V LI-ION BATTERY CHARGER



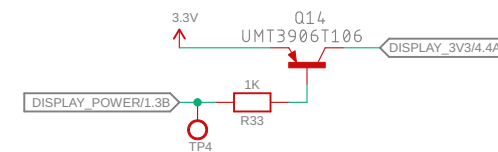
Solder jumper to get 1K  
Remove jumper to get 2K

PROG Resistor:  
10K ohm = 100 mA  
5K ohm = 200 mA  
2K ohm = 500 mA  
1K ohm = 1000 mA

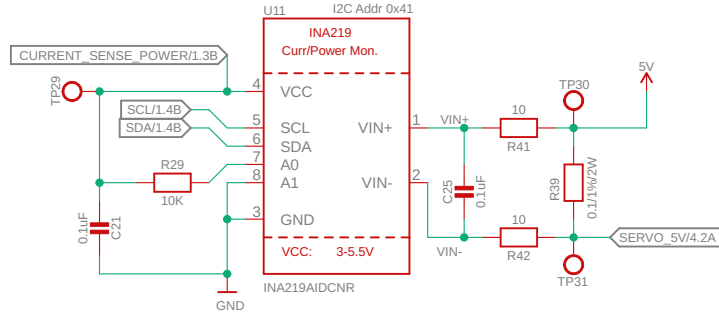
## SERVO POWER CONTROL



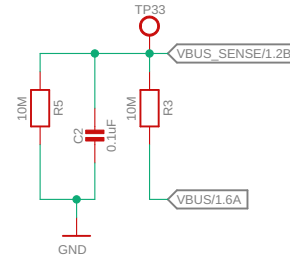
## DISPLAY POWER CONTROL



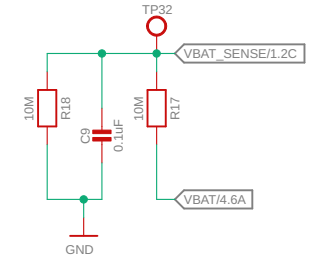
## SERVO CURRENT MONITOR



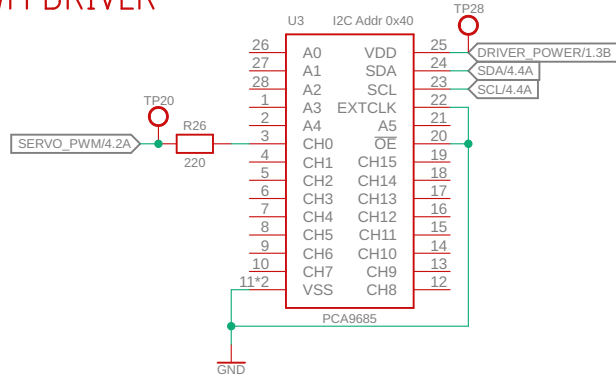
## VBUS VOLTAGE MONITOR



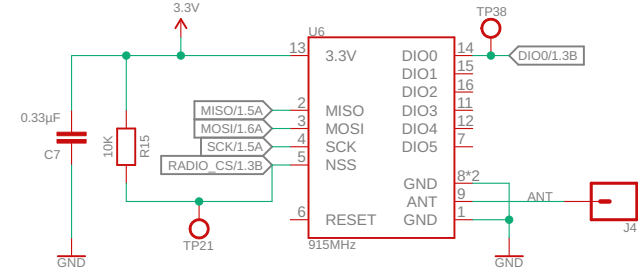
## BATTERY VOLTAGE MONITOR



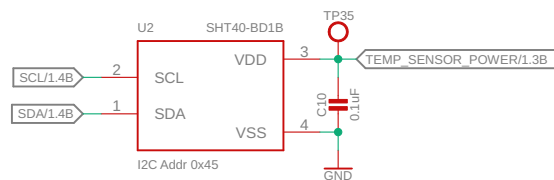
## SERVO PWM DRIVER



## RFM69HCW RADIO



## TEMPERATURE & HUMIDITY SENSOR



## SPI FLASH MEM

