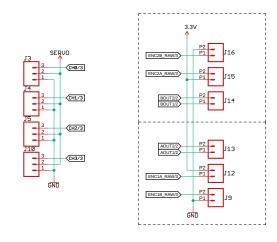
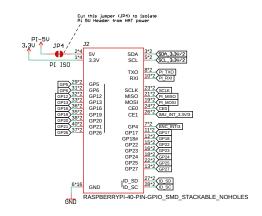


Servo, Motor & Encoder Connections



Raspberry Pi Header





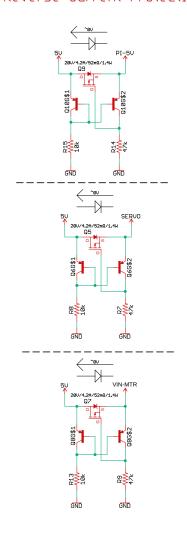






Servo Controller based on a design by Mike Hord Serial Controlled Motor Driver based on designs by Marshall Taylor, Alex Wende ICM-20948 based on a design by Owen Lyke ATTINY84 Encoder based on a design by Nathan Seidle

Reverse Current Protection



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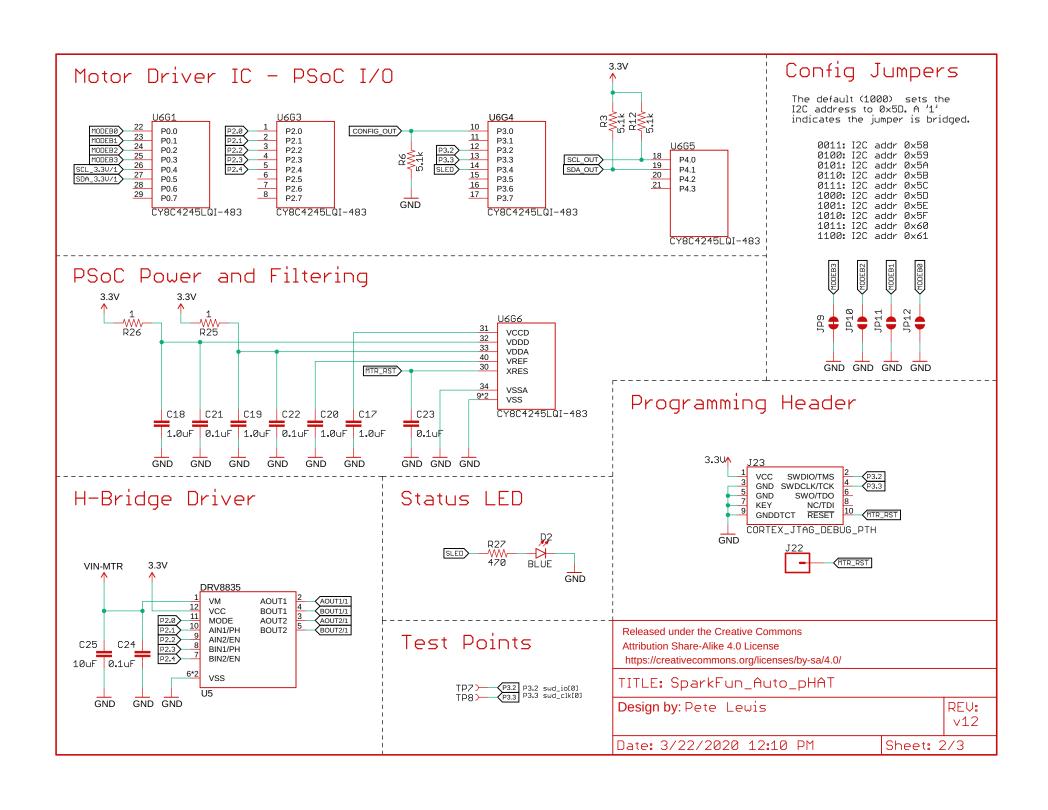
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Design by: Pete Lewis

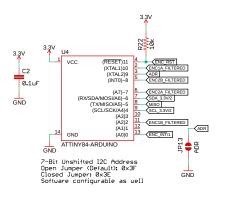
v12 Sheet: 1/3

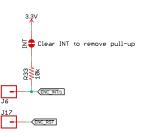
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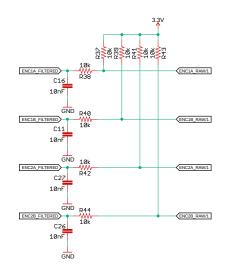
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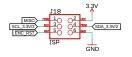


ATTiny84 (reading encoders)

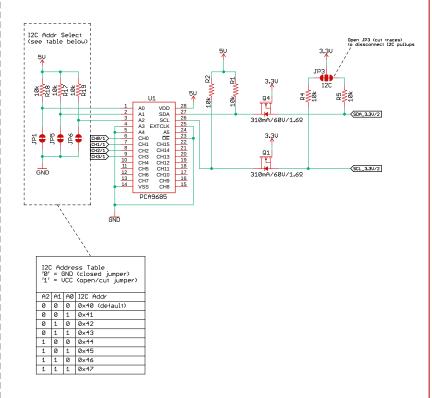




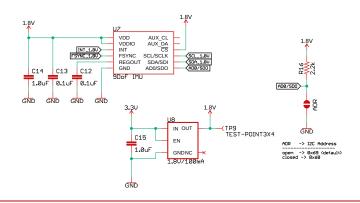




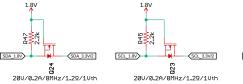
PWM Control (servos)



IMU (ICM-20948)



I2C Level Shifting (IMU)









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TITLE: SparkFun_Auto_pHAT

Design by: Pete Lewis

Date: 3/22/2020 12:10 PM Sheet: 3/3

REU: v12