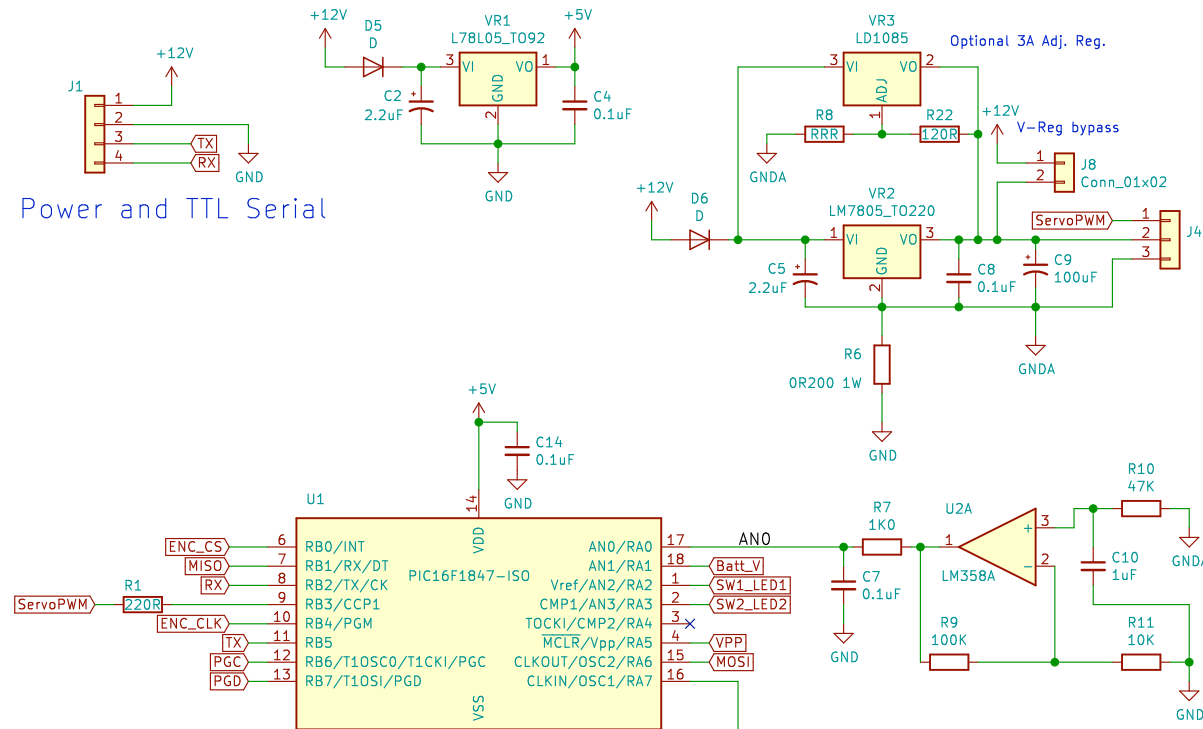
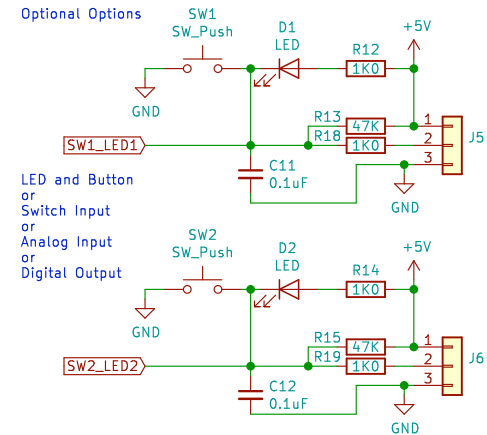


Rev. B 6/19/2018 Fixed J3 pinout, Fixed spacing of J4 to J2 to J7.
Rev. C 1/20/2019 Modified for AS5047D Encoder

Power and TTL Serial



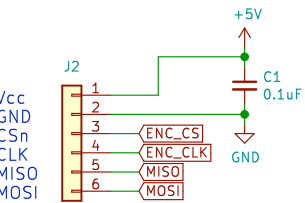
Optional Options



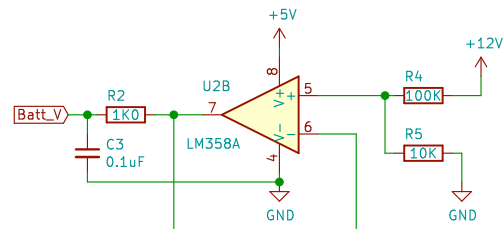
LED and Button
or
Switch Input
or
Analog Input
or
Digital Output

Vcc
GND
CSn
CLK
MISO
MOSI

AS5047D Encoder



System LED



Note: Analog Ref+ = 5.0V
Input voltage 6.5 to 16 volts.

D1 blinks Mode

R1 220R
R2,R3,R7,R12,R14, 1K0
R18,R19,R21 100K
R4,R9 10K
R5,R11 0R20
R6 47K
R8 ?K?? Adj Volts
R10 47K
R22 120R

U1 PIC16F1847
U2 LM358A

AS5047D Magnetic Encoder w/ SPI
TTL serial r/c servo controller

DMFE

Sheet: /
File: SerialServo.sch

Title: Serial Servo

Size: A Date: 2019-01-20

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Rev: C

Id: 1/1