Power Distribution

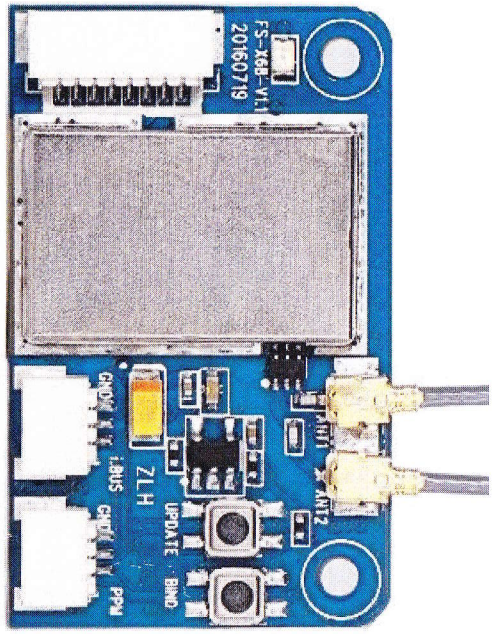
Existing Cable

Signals

red

black

b r g y p w + -

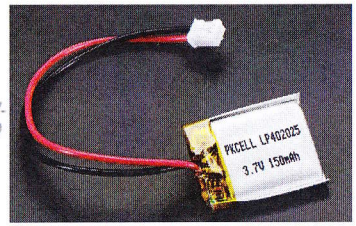


FlySky FS-X6B

Female Connector

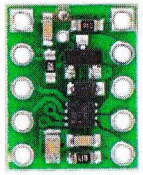
Digikey 1528-1494-ND

Adafruit 3.7V LiPo



\+ Logic Power Bus –

Pololu DRV8838



GND VCC ENABLE PHASE SLEEP

GND VIN OUT2 OUT1 VM

Motor Power Bus

\+ –

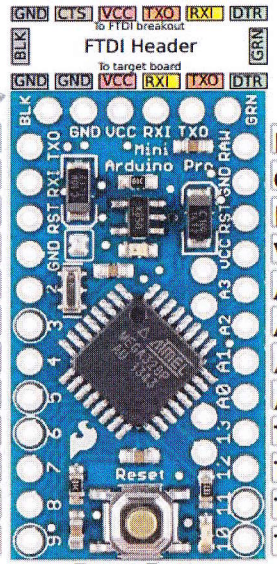
Wire 2x female Amazon 10099220 in series

** Change from video! Use 2x Crazepony in series for motor power

CrazePony 1S LiPo

Arduino Pro Mini 3.3V/8MHz

Need vertical header here, for programming

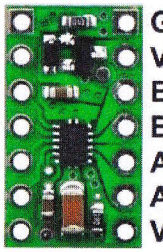


TXO RXI RST GND 2 3 4 5 6 7 8 9

RAW GND RST VCC A3 A2 A1 A0 13 12 11 10

Reset Button

Pololu DRV8835



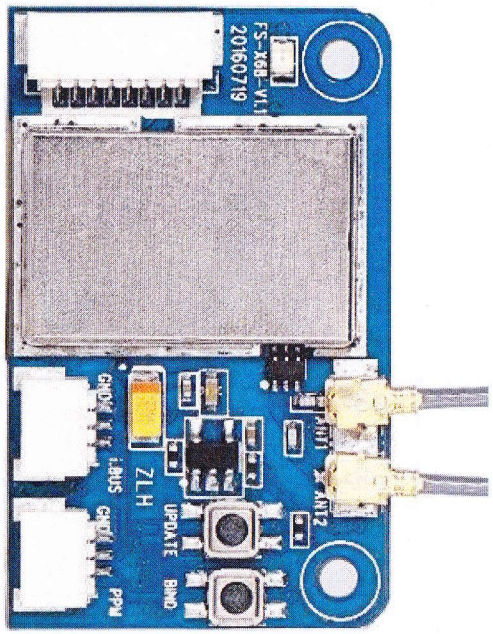
GND VCC BIN2/BENABLE BIN1/BPHASE AIN2/AENABLE AIN1/APHASE MODE

GND VIN BOUT2 BOUT1 AOUT2 AOUT1 VMM

Signals and Motor Outputs

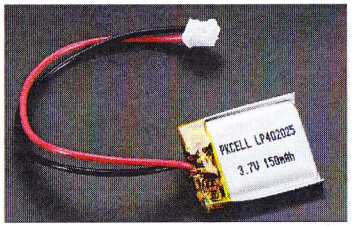
Existing Cable

b r g y p w + -

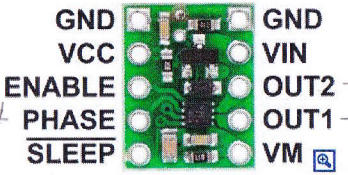


FlySky FS-X6B

Adafruit 3.7V LiPo



Pololu DRV8838



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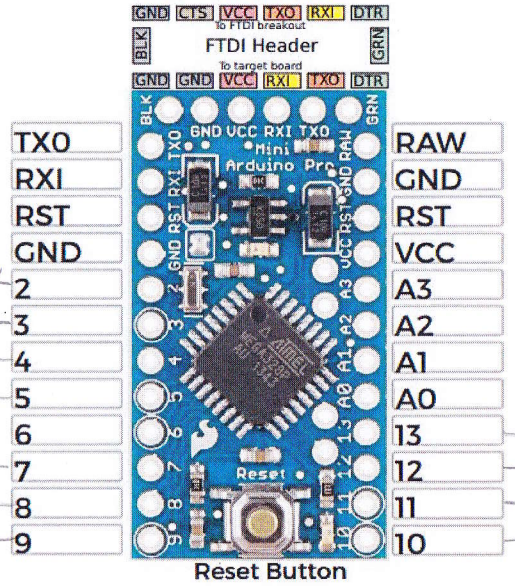
Solder Digikey 377-2263-ND, leaving female housing as flying lead

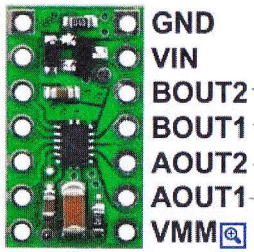
Arduino Pro Mini 3.3V/8MHz



Reset Button

Solder Digikey 377-2263-ND, leaving female housing as flying lead.

Pololu DRV8835



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CrazePony 1S LiPo