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Overview

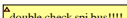
The Baseboard prototype in this project is a baseboard that will power a google coral SoM device

Features to be implemented in this revision:
Dual Battery Pack (Maybe Overcurrent protection, etc)
USB 2.0 port for camera input
Myo Sensor Input
Servo PWM Driver
Extra GPIOs + I2C header + SPI Header
Fan Header

Not Implemented:
Maybe Programming Header
Maybe Sensory Feedback (Buttons)

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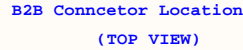
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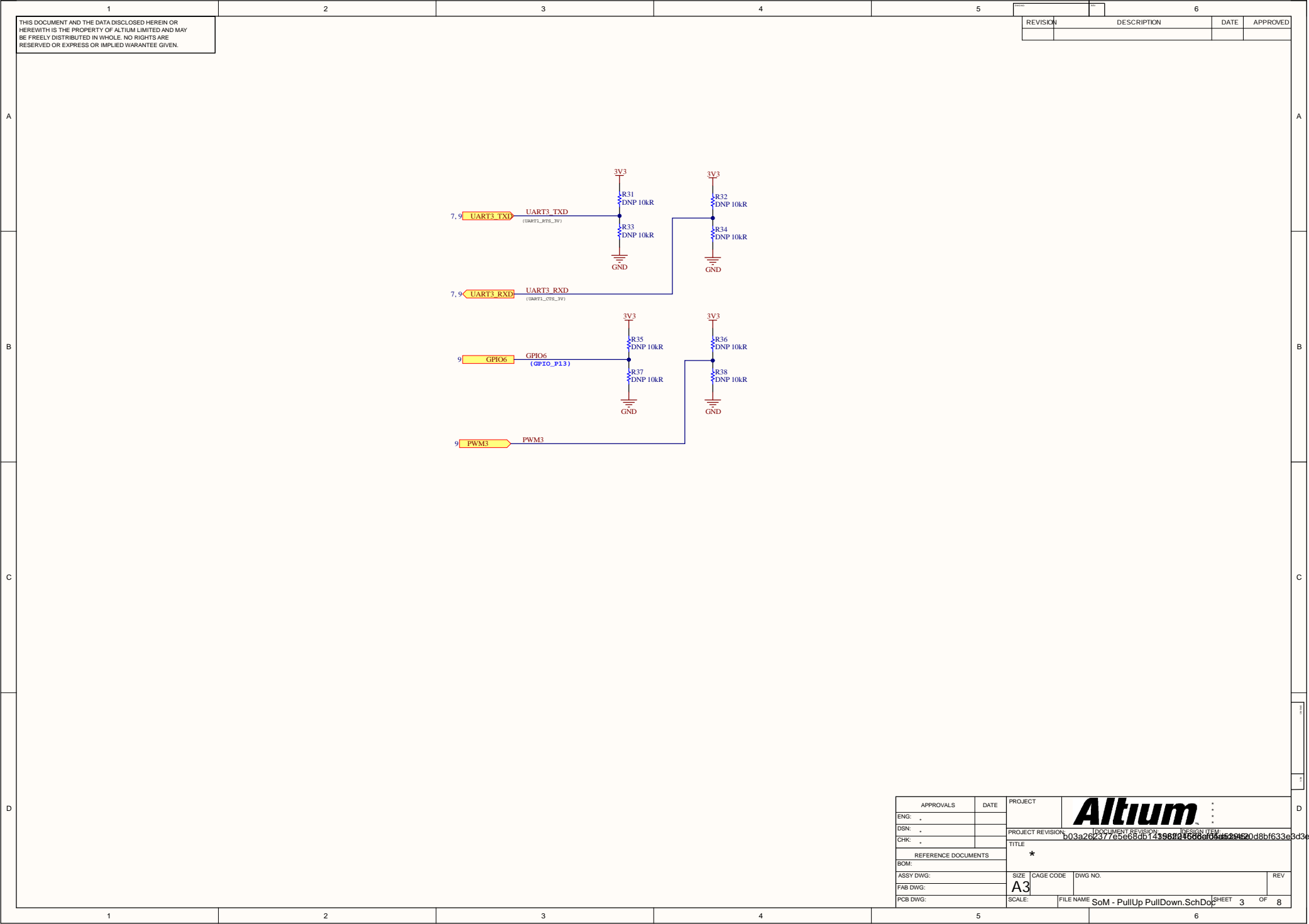
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10 boot mode to internal boot



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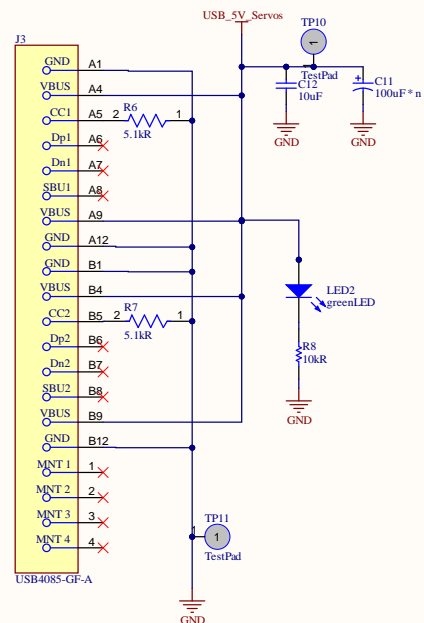
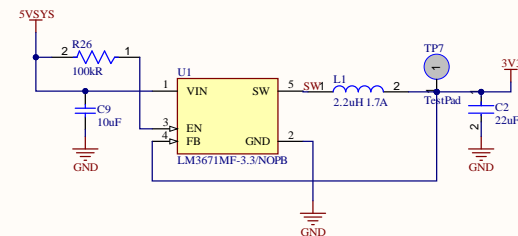
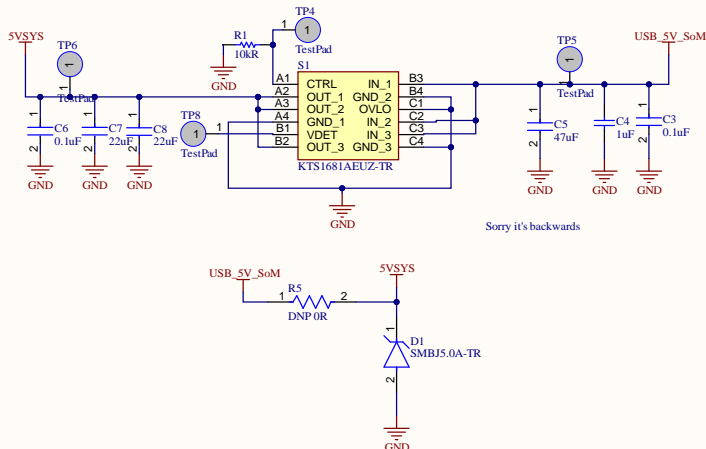
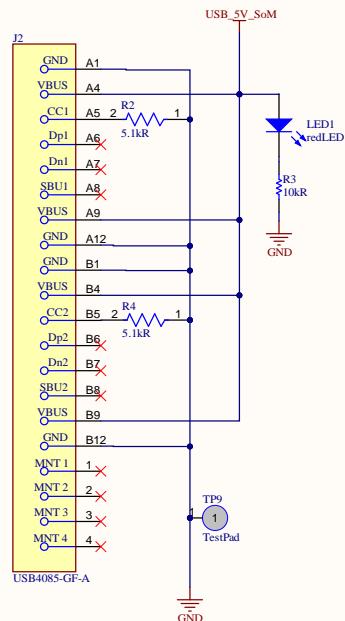


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Add testing points

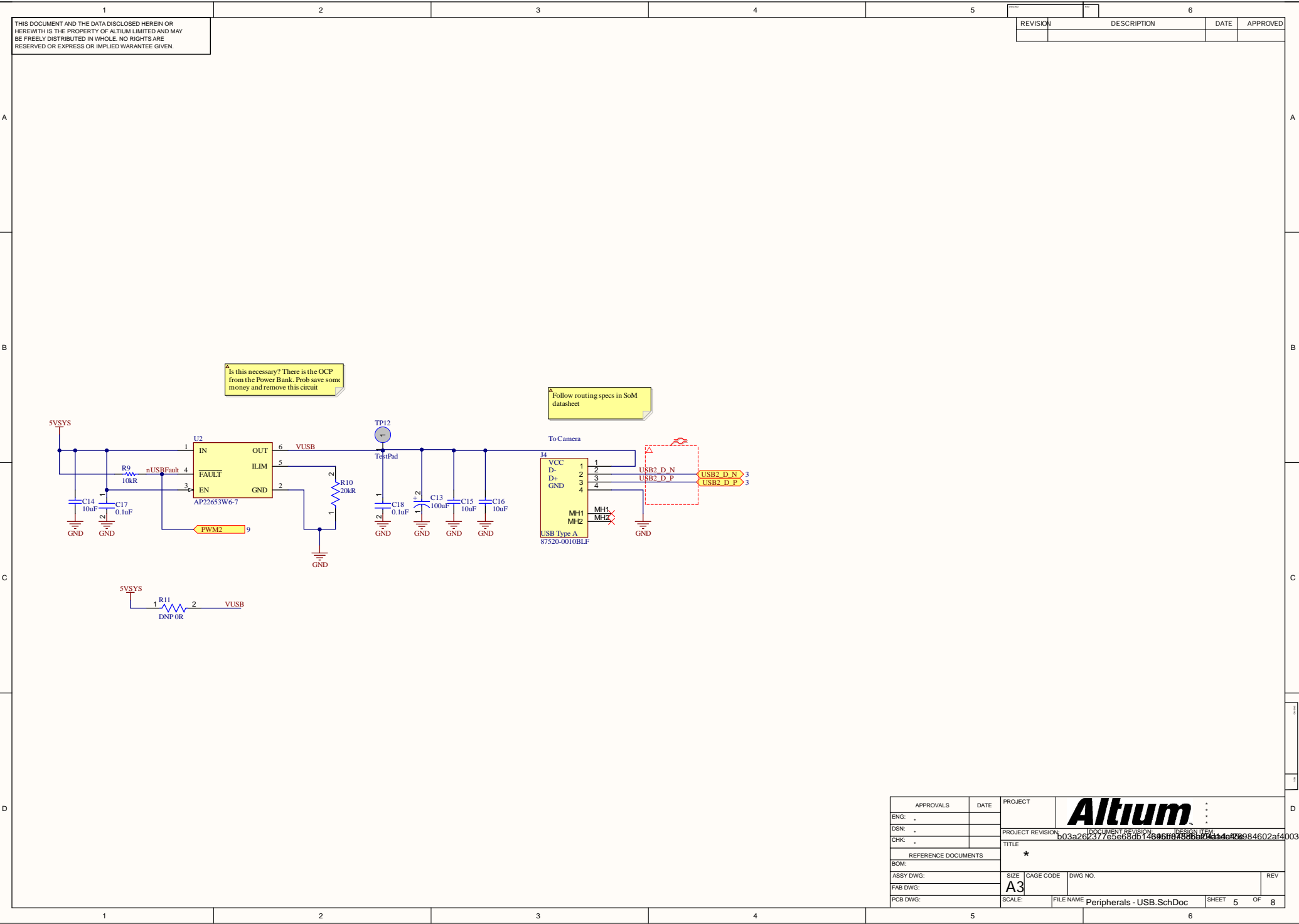
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3V3 Buck Reference:
<https://www.adafruit.com/product/2745?gclid=CjwKCAjwK6EBhBNEiwADVfy5y2scQqNXc3oyBMehtFmGXf3hew1oc87hiaUahDhuiHml>



Servos might need other bulk caps Put n*100uF for n servos Reference:
<https://learn.adafruit.com/adafruit-16-channel-pwm-servo-hat-for-raspberry-pi/powering-servos>
Add a dnp short trace to connect servo to main usb power

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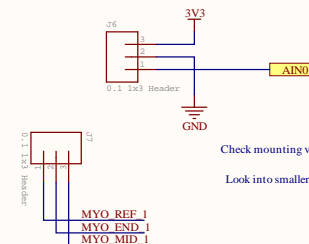
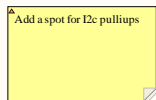
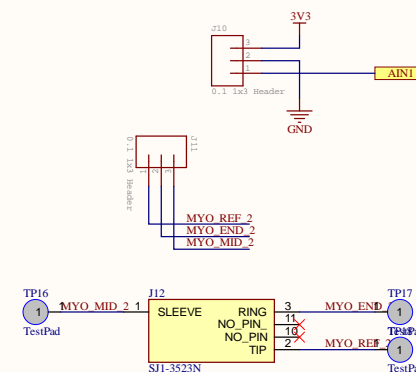

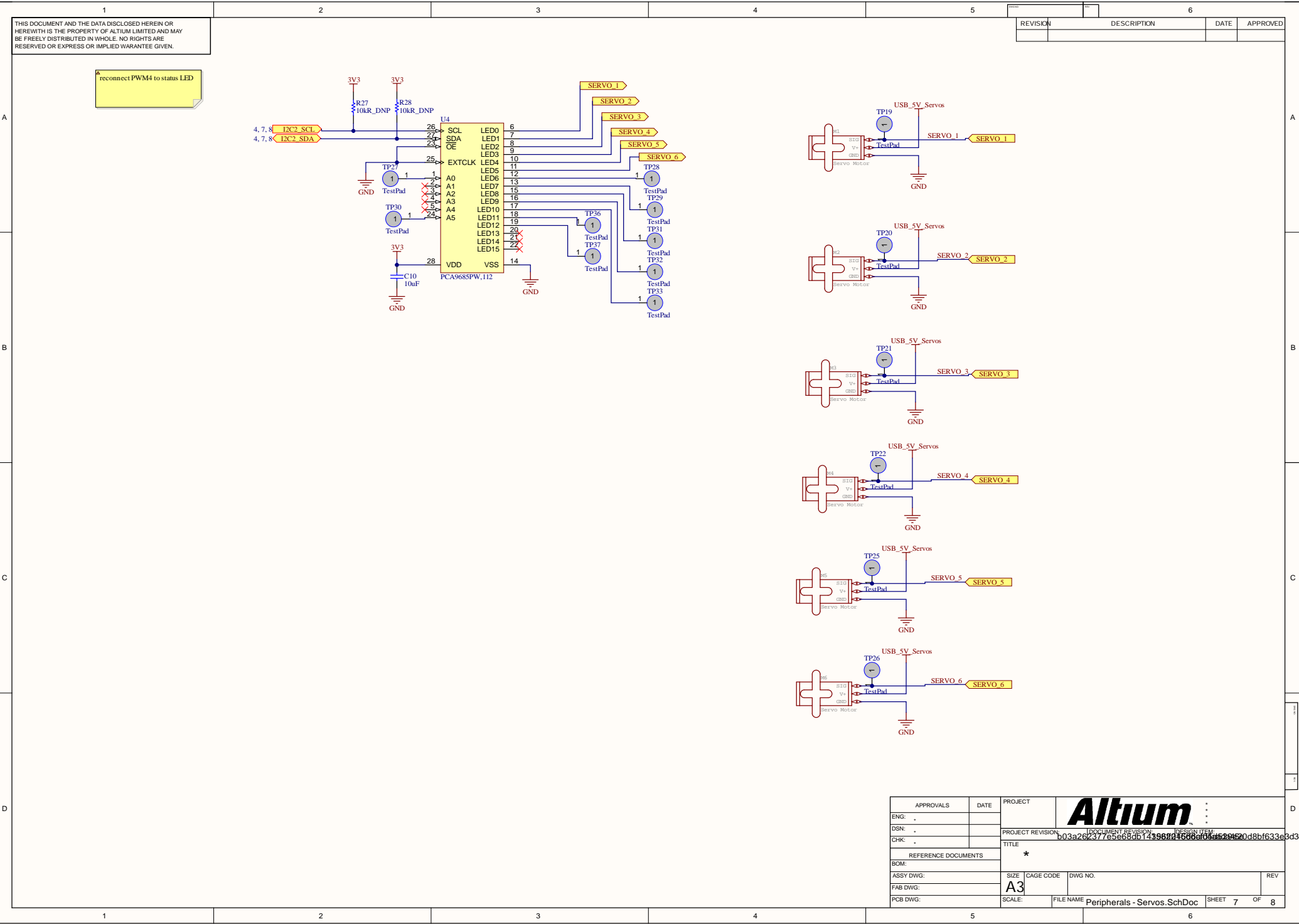


Figure 1: Schematic diagram of the TP13-TP14 connection. TP13 (TestPad) is connected to TP14 (TestPad) via a SLEEVE connector. The connector has pins 1, 2, 3, 11, 10, and 2. Pin 1 is labeled MYO MID, pin 2 is MYO REF, and pin 3 is MYO END. The connector also has labels RING, NO_PIN, NO_PIN, and TIP. The connector is labeled J8 and SJ1-3523N.

Triple Check all connections next time



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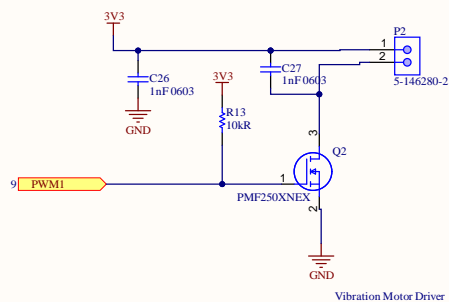
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