1. Power Supply:

    1. Connect 4 AA batteries (6V) red and black wires to the blue Terminal block

2. Buck Converter:

    1. Connect "in" to the 6V blue Terminal block's (positive) red
    2. Connect the ground (Center pin) to the Terminal block (ground) black
    3. The "ex" (power out) will be used for Arduino and Joystick

3. Arduino Nano:

    1. Connect Orange Servo wires and leave their Red and Brown exposed
        a. Servo 1: Arduino pin 9 (Arm)
        b. Servo 2: Arduino pin 10 (Base)
        c. Servo 3: Arduino pin 11 (Finger)
    2. Connect arduino 5v pin to the buck converter's "5V out"
    3. Connect any GND to the buck converter's ground

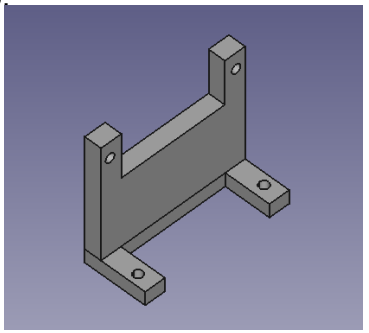
Joystick:

1. VCC to buck converter's "v out"
2. GND to buck converter's ground
3. X-axis (VRX) to Arduino A0
4. Y-axis (VRY) to Arduino A1
5. Button (SW) to Arduino pin 2

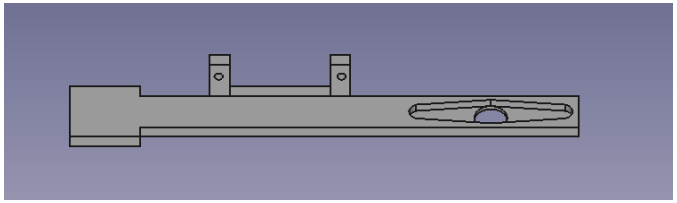
Servos (for all three servos):

1. Red wire directly to the 6V Terminal block red wire
2. Brown/Black wire to the Terminal block ground
3. Orange/Yellow (signal) wires should already be connected.
    ○

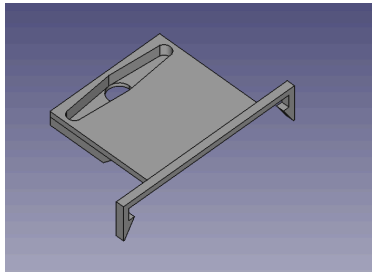
1. Connect Two Servos to "L" bracket, the servo on the bottom of the "L" faces down. The top of the "L" servo's drive gear faces inward, or over the bottom servo.



2. Connect the 3rd Blue servo to the arm so the drive gear is closest to the square pad on the end of the arm.Connect the double horn to the top servo's drive gear on the "L" bracket.



3. Use another double horn to connect the bottom "L" servo's drive gear to the base.



4. Use the single horn to connect the finger to the 3rd servo on the Arm.