

**Rover Camera Mount Assembly  
Jackson State University MARRS STEM Workshop  
February 27, 2021**

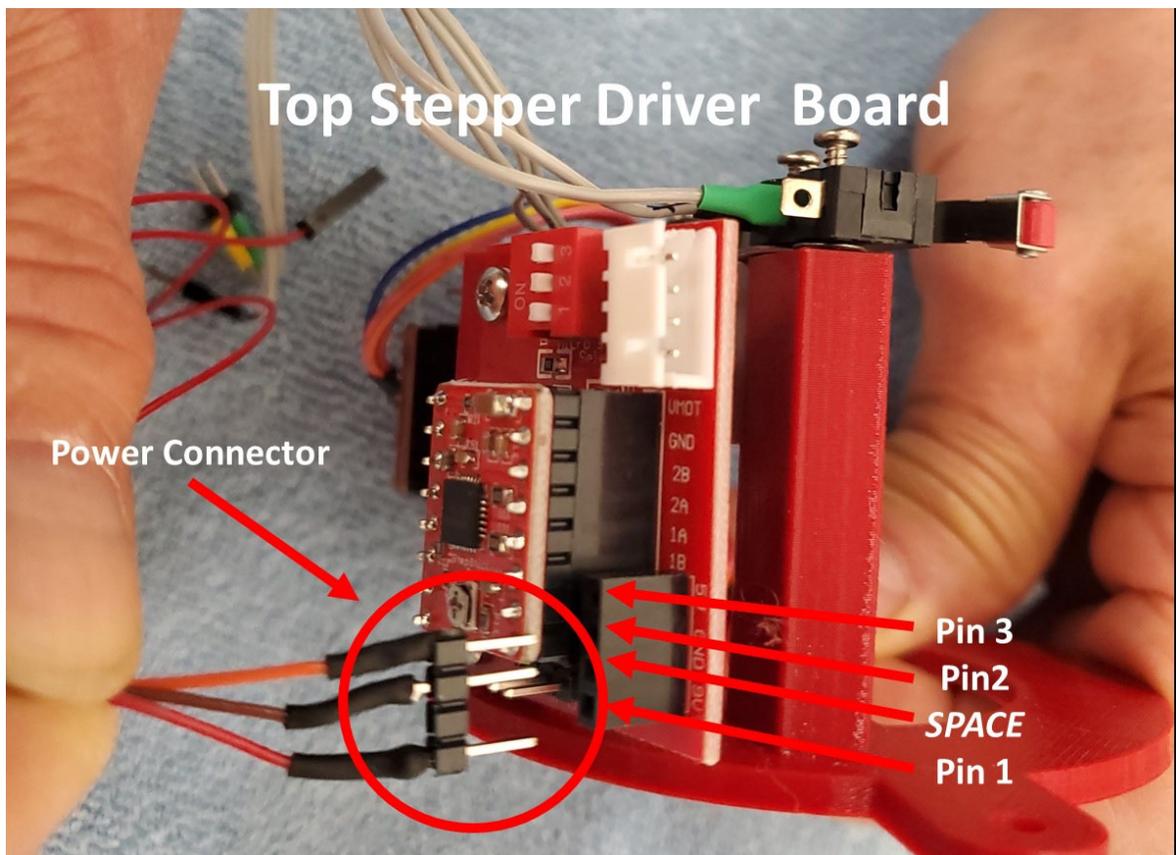
**Objective:** Complete the Camera Mount assembly and process successfully.

**Tools and materials:** Needle nose pliers, Phillip's screwdriver, camera parts kit.

## 7. Stepper Board Control Wire Connections

(1) The photo shown below shows that stepper driver board power connections. There are three pins on the connector with a "space" between pins 1 and 2. The plug must be plugged in as shown!

**Note:** A stepper motor is a special type of motor that rotates in steps rather than freely rotating. The number of steps can be controlled by using electrical control circuits.



(2) The photo shown below shows the camera base with the bottom stepper driver board power connections. There are three pins on the connector with a “space” between pins 1 and 2. The plug must be plugged in as shown!

**Note: A stepper motor is a special type of motor that moves in steps rather than freely rotating. The number of steps can be controlled using electrical control circuits.**

