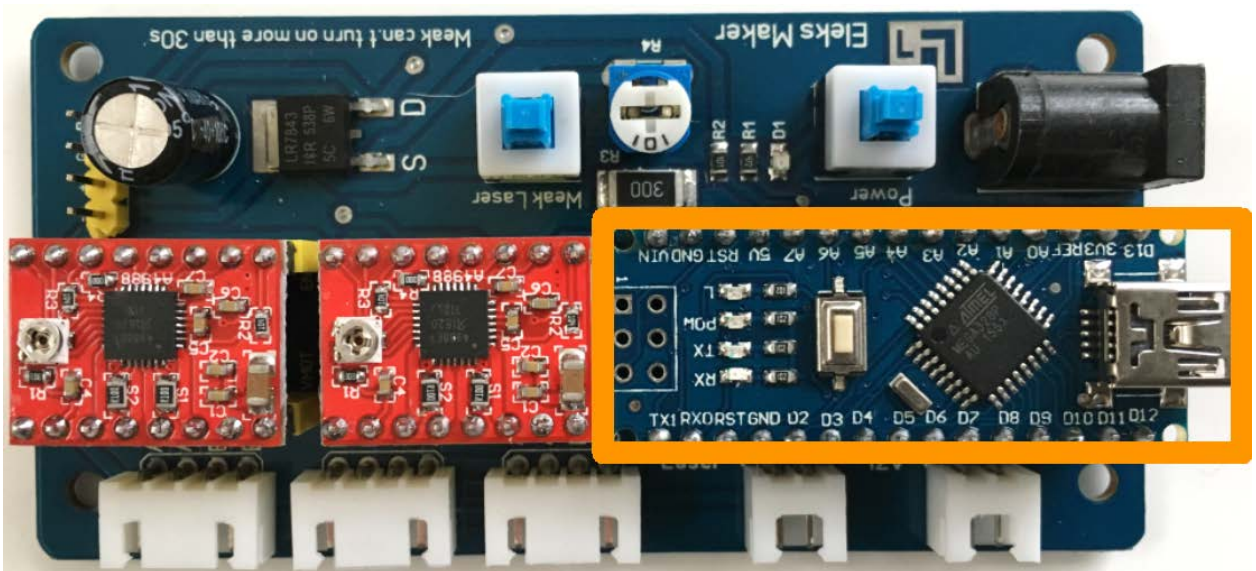
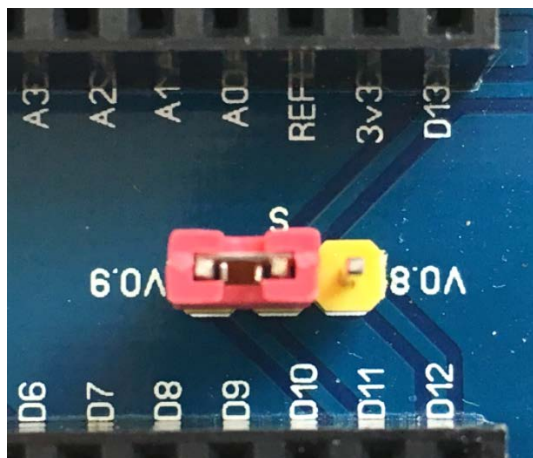


Hardware Conversion for T2Laser (v1.3s and above)

1. Change the laser control pin to Grbl 0.9
 - a. Not all boards have a jumper, if it is not present your board is likely hard wired for Grbl 0.9 and you can skip this step
 - b. Disconnect the USB cable and power supply, then carefully remove the Nano circuit board, highlighted on image below
 - i. Lift the USB connector slightly and then the opposite end, repeat until it is removed




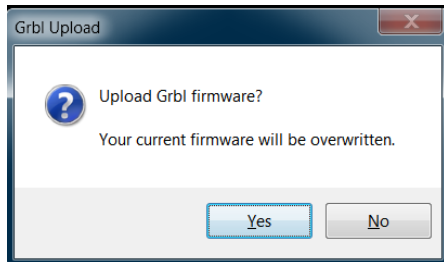
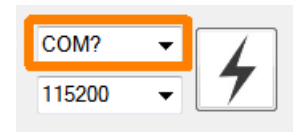
- c. Move the plastic jumper to the V0.9 location as shown below



- d. When replacing the Nano be sure it is inserted back in the correct location, some boards have additional blank holes at the USB end

2. Install firmware (Grbl)

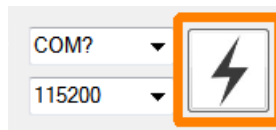
- a. Reconnect the USB cable only (do not plug in the power cable)
- b. Open T2Laser
- c. Click the controller icon 
- d. Select the laser COM port from the drop down box
 - i. The actual COM number will depend on your system
- e. Select “Upload Firmware (x.xx)” from the Machine Menu



- f. Select “Yes” and the firmware upload will begin
 - i. Wait for the upload to finish

3. Test your connection

- a. Connect your machine
 - i. Click the lightning bolt
 - ii. After it shows “Connected” you should receive a “Grbl x.xx Ready” message which confirms that the laser is responding
 - iii. The XY positions should also be displayed



X:	0.0
Y:	0.0

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