

## How to use the PL530 Laser and Heater Driver Board without TEC and Thermistor

The PL530 laser and heater driver board is designed specifically for the Osram PL530 green laser, featuring TEC driver temperature-controlled circuits that ensure optimal performance of the 530 nm SLM light source. In the event that the TEC temperature goes out of control, the laser is automatically disabled to prevent damage.

For some users, adding a TEC and thermistor to the laser assembly can be challenging. However, if users wish to utilize only the laser and heater drivers without the TEC and thermistor, the temperature protection circuits can be bypassed by shorting J2 shown in the picture located at the blue line circled

When these two holes are shorted, the LED indicator will remain red, but the laser and heater can still be enabled. To prevent overheating of the laser diode, it is essential to use a large heatsink to cool the laser effectively.

It is not recommended for users to use the driver board without the TEC and thermistor; it is only intended for users to quickly evaluate their lasers and generate short periods of green light.

Short J2 to bypass the temperature protection to enable laser and heater

