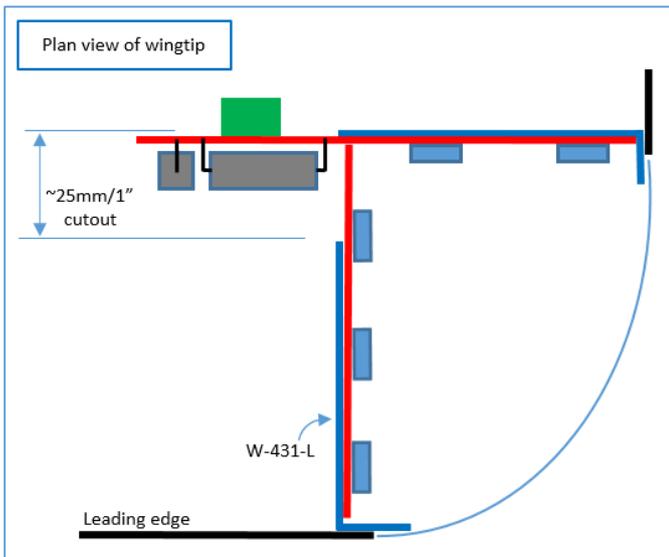
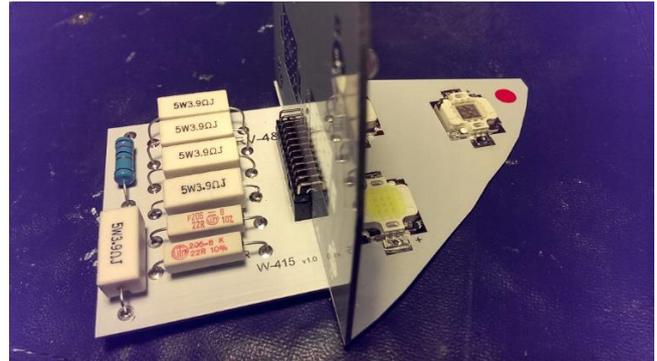
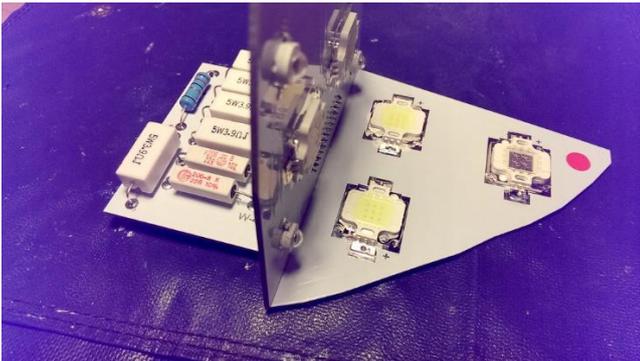


Building the W-415 boards

The W-415 wing has a significantly smaller area to work with, so these boards are a different design to our other kits. As you can see below, the outward facing board plugs into the forward-facing board. The LED current limiting resistors for both boards are located inside the wing space on the extended circuit board.

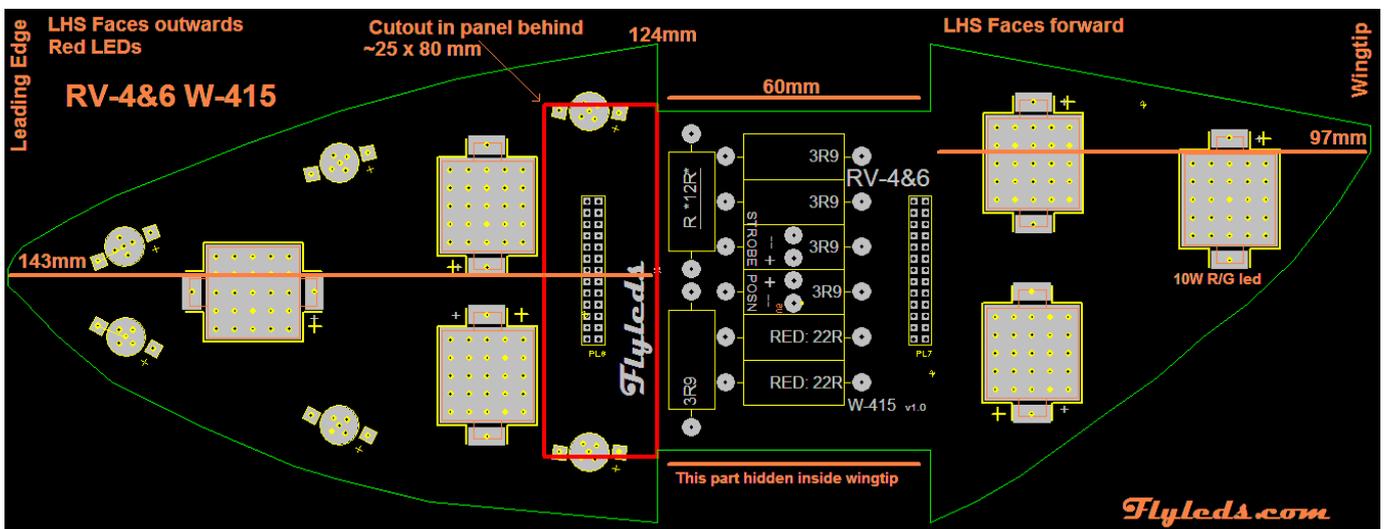
The forward facing board only has two strobe LEDs, with the third LED being either a red or green 10W rated position LED. This is one less strobe LED than our other kits, but you'll still need eye protection when they are on!

The completed left wing:

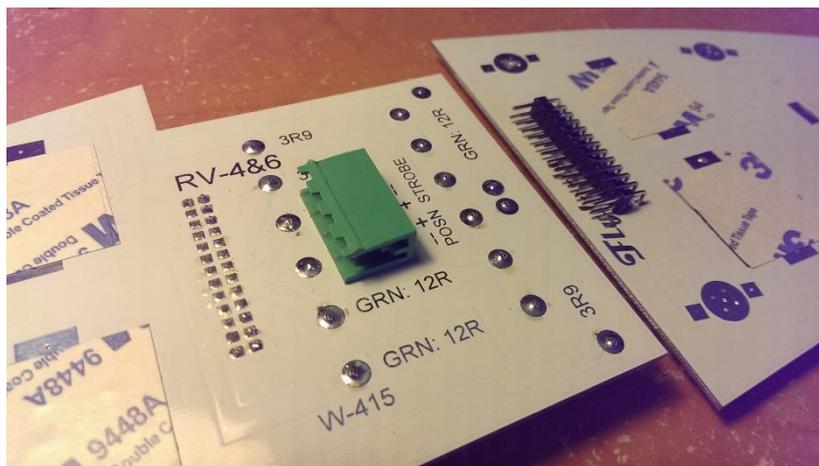
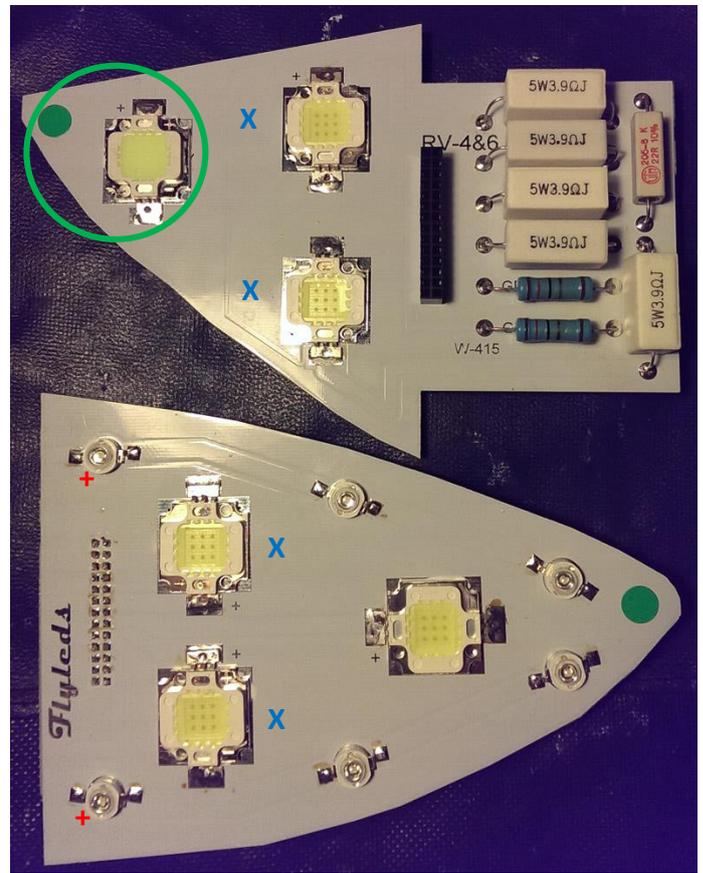
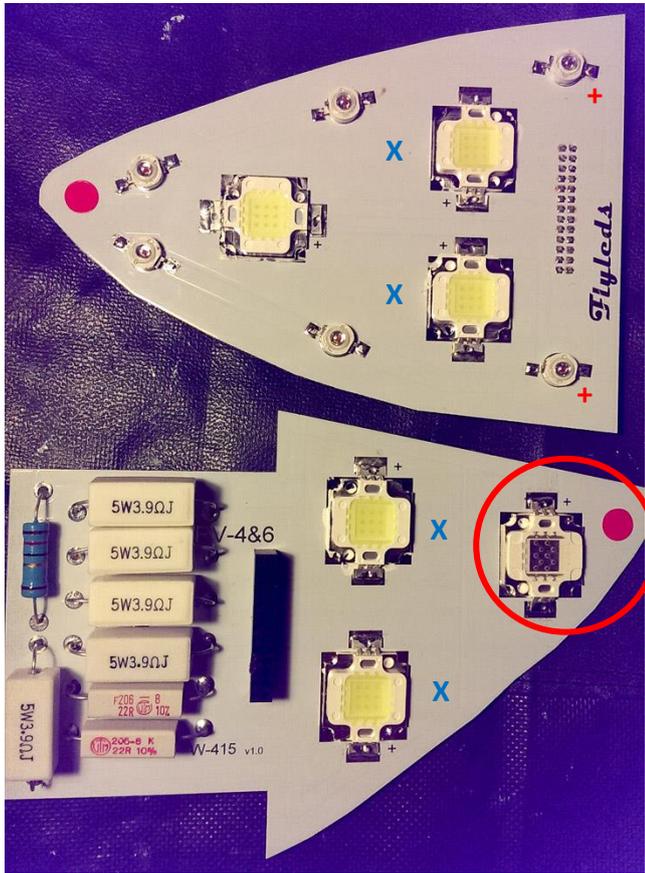


Cut a slot approximately 25 x 80 mm in the outwards-facing metalwork to allow for the resistors to mount inside the wing space.

You may wish to start your soldering by mounting the edge connector plug and socket first. This will enable you to plug the boards together to perform your final fitting into the metalwork.



Mount the white strobe LEDs as per the main instructions, not forgetting the thermal paste! Note the red and green 10W position LEDs circled. They are easy to distinguish from the white LEDs, and of course came packed with the smaller coloured LEDs.



The right angle pin connector faces to the edge of the board. There's a fair amount of copper underneath these pins, so the solder may take a bit of convincing to flow, but it will happen if you give both the connector, and in particular the board underneath, some extra time and heat from your iron!

The green connector faces inboard as shown.

Apply the 3M heat transfer tape to the underside of each of the strobe LEDs. It's sticky stuff! Only peel the backing off when you're ready to final fit the boards to the metalwork. The W-431 metal will provide extra heatsinking for the LEDs, so the heatsink kit is not needed with this kit.

You can supplement the fixing of the boards with screws and platenuts, or the use of more double sided tape. Recommended screw hole positions are marked with an **X** on the pictures above.