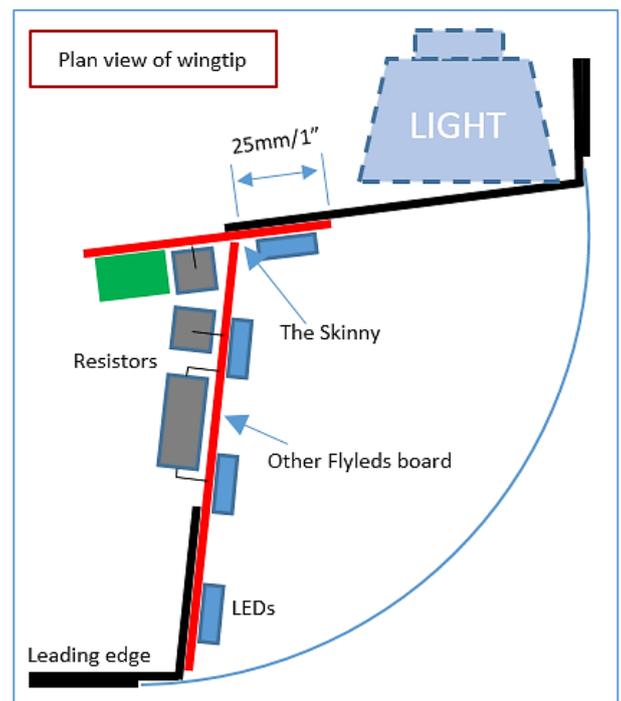


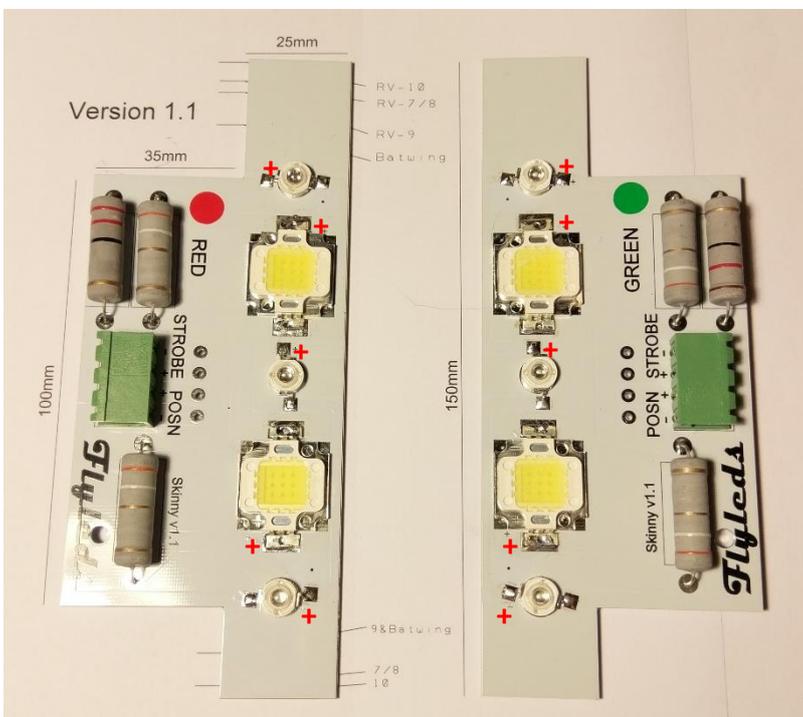
The Skinny board

Several customers asked us for a solution for our kits to coexist with wingtip mounted halogen or LED landing lights. At only 1" wide, we think The Skinny boards fits the bill!

Shown below is The Skinny mounted in the wings of a customers RV7.



The completed boards are shown below. As per the main instructions, apply a thin layer of thermal paste to each of the LEDs before placing them on the board.

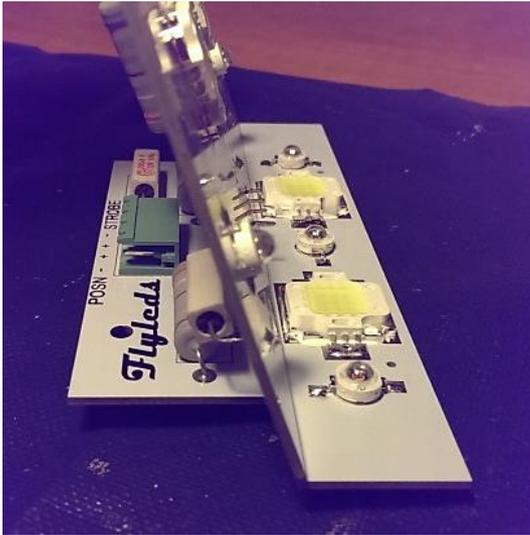


Note that the LEDs are all oriented in seemingly different directions! Carefully observe the "+" signs that you will find on the board close to one leg of each LED before soldering them in place.

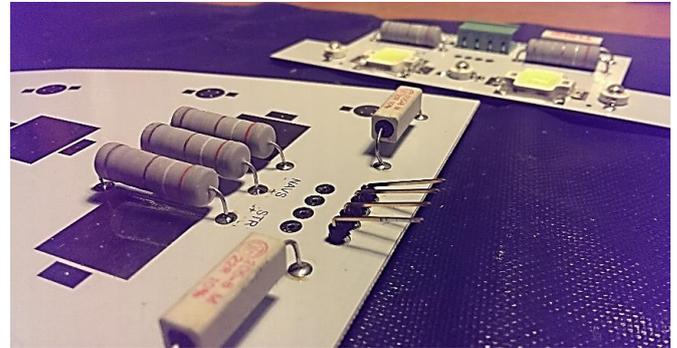
Mount the larger resistors a few millimetres off the board. This will allow for heat dissipation, but also for some clearance if required from the resistors on the main board when the two are joined together.

The dimensions shown under the left hand board show approximate trimming lines that suit the various models of wings. Obviously they are a design guide only, and you should trim your boards to suit your wings!

Construct the regular outward facing board as per the existing wing board instructions, but omit the two connectors. Move the aircraft wiring loom connector to the skinny board, oriented as pictured below.

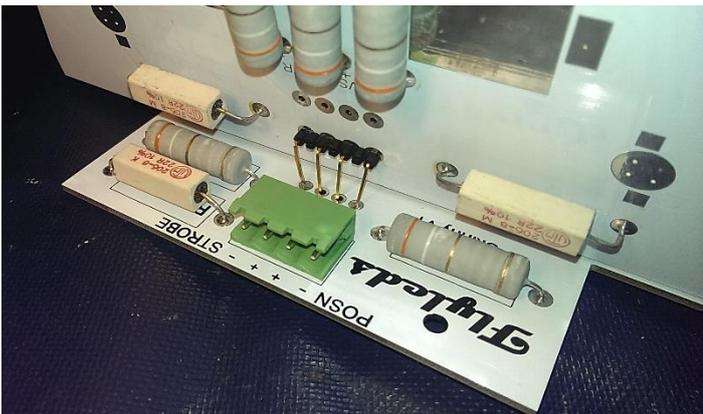


In its place, temporarily mount a four pin right angle connector supplied with The Skinny kit, as shown below, by soldering the two outside pins only. The exaggerated angle shown below will help to match the two boards later.



Connecting the two boards

The required angle between the boards can be set by cutting a piece of stiff cardboard to match the angle and temporarily tape it to the boards, so that the 4 pin right angle connector can be soldered back at your bench. If required, you can reheat the joints to loosen and wiggle the connector to suit.



Recheck your work, and once satisfied with the mounting arrangements, (re-)solder all four connections on each end of the right angle connector.

If you are still building and your wingtips are not on the plane yet, you could fully mount the boards to the fibreglass, and solder the right angle connector between the boards as the final step.

The Skinny has two pilot holes drilled near the + terminals for the two strobe LEDs. These can be enlarged and used to accommodate some mounting screws into matching platenuts, for example. There is also a hole drilled in the board just near the Flyleds logo so that you can secure the incoming wiring loom with a cable tie.

If you are concerned about vibration, you could adhere the resistors to the boards with a small amount of neutral-cure silicon/RTV/Silastic before final mounting to the wings.

If you are using aluminium plates for your landing lights as per the picture, you can mount the board directly to the aluminium. Attach the supplied heat transfer pads to the back of the board behind the strobe LEDs, and secure the board to the plate with screws.

Alternatively, adhere the two small heatsinks to the board behind the strobe LEDs and mount the board to the fibreglass.

Please send us some pictures of your finished and installed kits!

