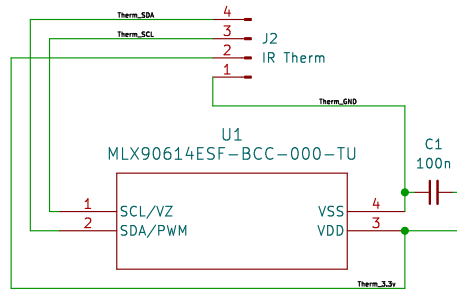
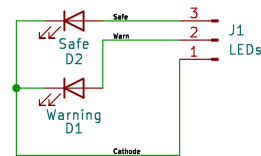


[1] YAOSRP Cooling Plate

Infrared Thermometer LED



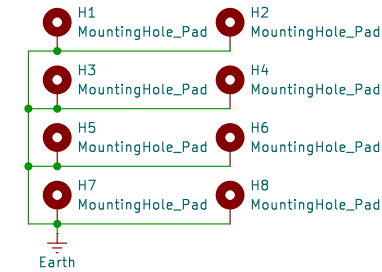
LEDs



DESIGN NOTE:

1. Current limiting resistors are located on the mainboard.
2. Warning LED is intended to be red.
3. Safe LED is intended to be green.

Board mounts



DESIGN NOTES:

The main mounting holes are all earthed. 3 identical plates are intended to be connected to one another using 11mm copper standoffs that are offset and then connected to the mains earth connection. This is to earth the PTC heating element.

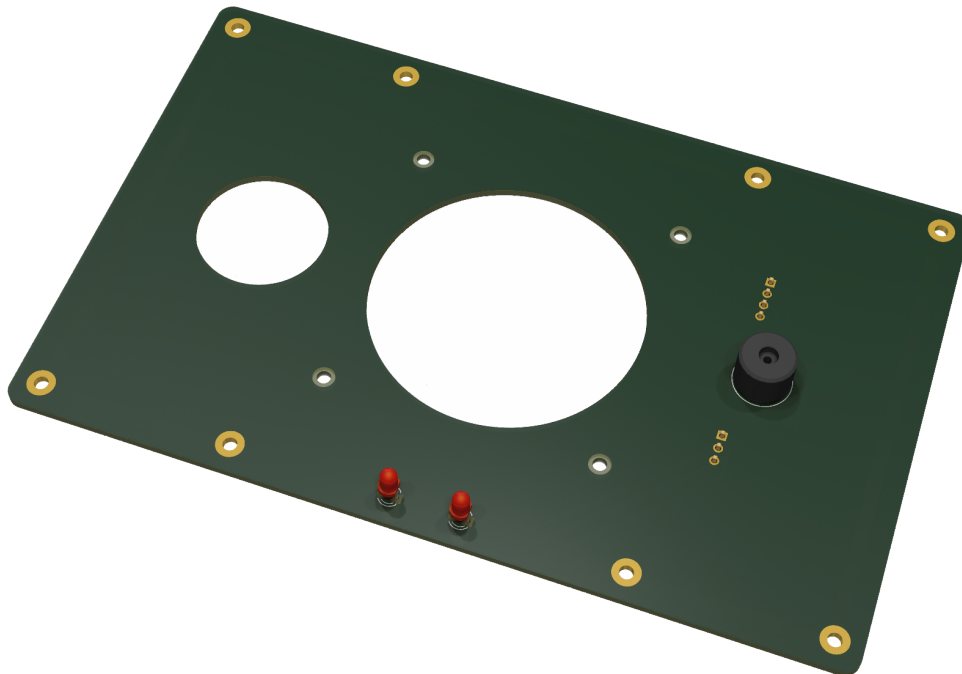
Fan mounts




PROJECT NOTES

This board is intended to be populated with components on the bottom board only and 2 additional boards sandwiched together using 11mm copper spacers and then the PTC plate mounted to the top.

The bottom board should be 180deg in relation to 2nd/3rd board so allow the IRLed thermometer to shine up through the hole on the opposite side of the board and onto the bottom of the PTC plate. The hole has been sized to suit the 30deg IRLed lense. Finally a 60x10mm fan is to be mounted on the bottom forcing air onto the hot plate. In practise the fan may not be needed and may be omitted from a future design.



Title: YAOSRP Cooling Plate			
Sheet: / File: Board2.kicad_sch			
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