

GitHub repository where all documentation & code can be found. [billbill100 \(github.com\)](https://github.com/billbill100)

## ESP32 Shutter Tester pcb V1.0      06/02/2026

As an alternative to using the expansion board to mount the ESP32 module, a bespoke pcb has been designed.

It is very similar in design to the expansion board, but has the advantage that both the ESP32 module and the tft screen plug directly into the pcb, with all required connections for the tft routed directly on the pcb.

It also has additional 3, 5 and 0v connectors, making wiring simpler.

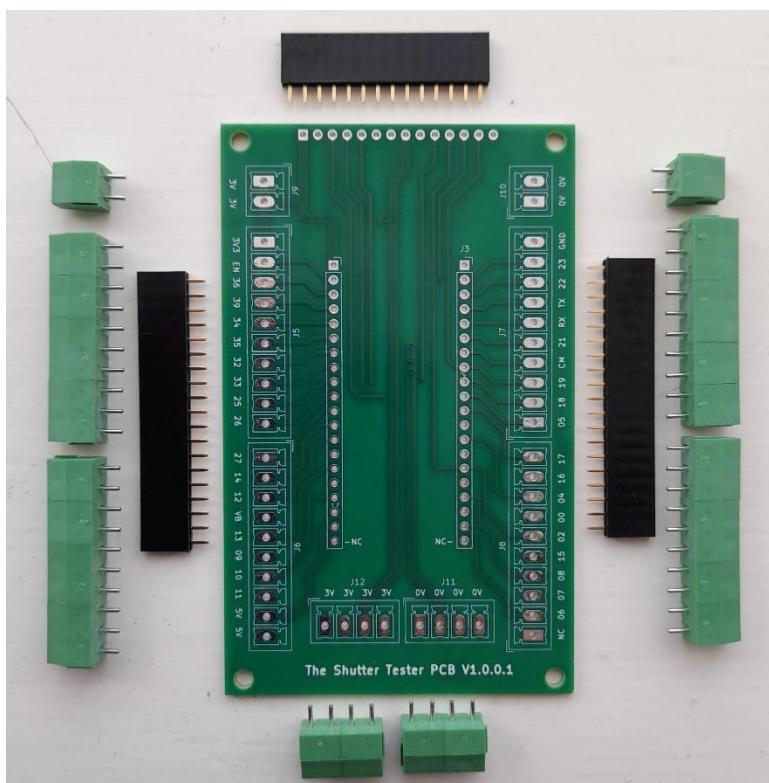
All of the other connections for sensors etc are broken out onto screw-terminals in the same way as the expansion board.

Other than this, wiring and using the pcb is identical to that of the expansion board.

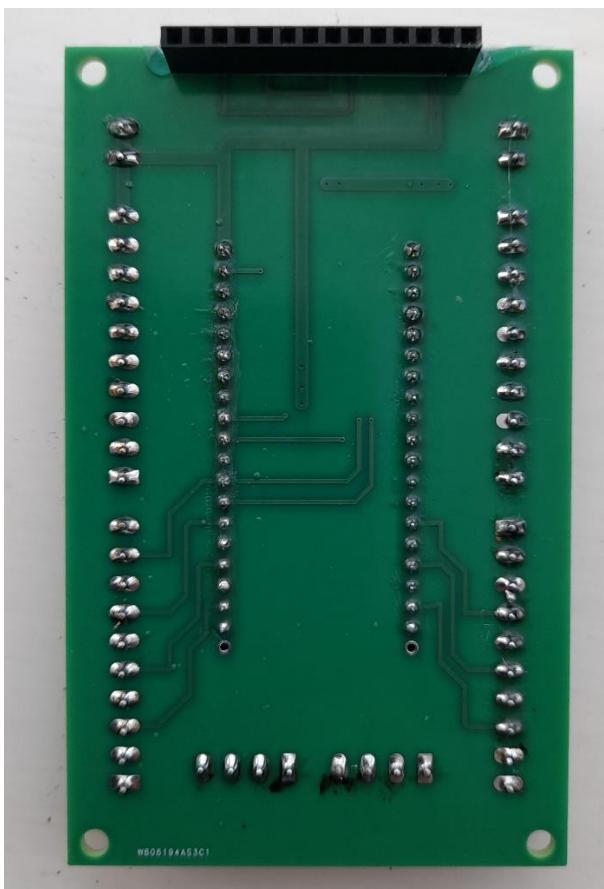
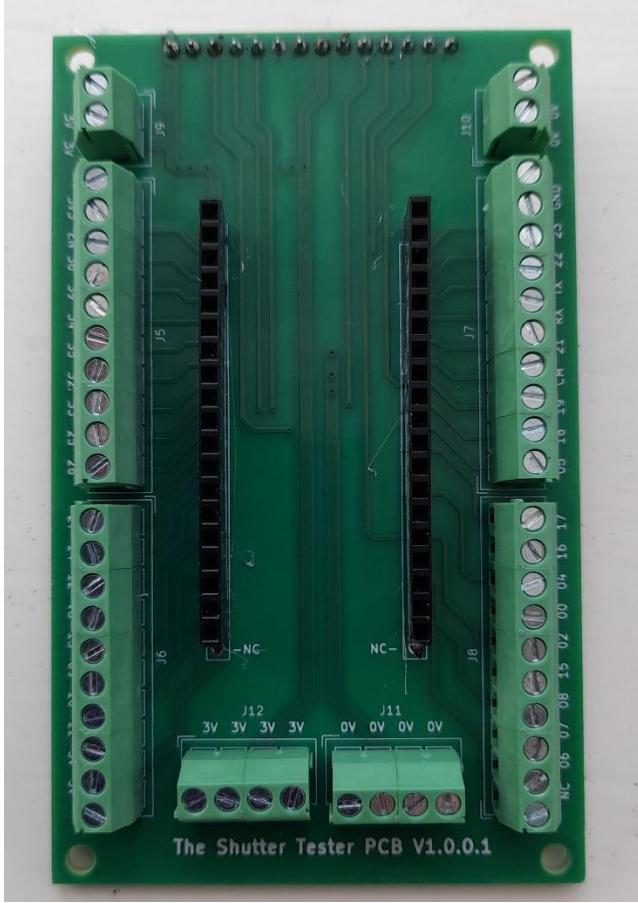
The pcb is only available in limited quantities and must be requested directly from the project designer, best way to do this is via a post on the Photrio site.

Cost will be greater than buying an expansion board from AliExpress, as normal postage rates from the UK will be added (AliExpress postage is heavily subsidised).

The pcb comes with header sockets and screw terminals separately and must be assembled and soldered by the user.



pcb and parts as the user will receive them  
(3d printed spacer also included but not shown in the photo)



Completed pcb, showing each side

Extra 3v and 0v screw terminals can be seen at the bottom of the pcb

Extra 3v and 0v screw terminals top left and right.

Extra 5v screw terminal bottom left.

**Important Note:- Ensure the tft connector is soldered on the plain side of the pcb  
and the ESP32 and screw terminals are soldered on the other side.**