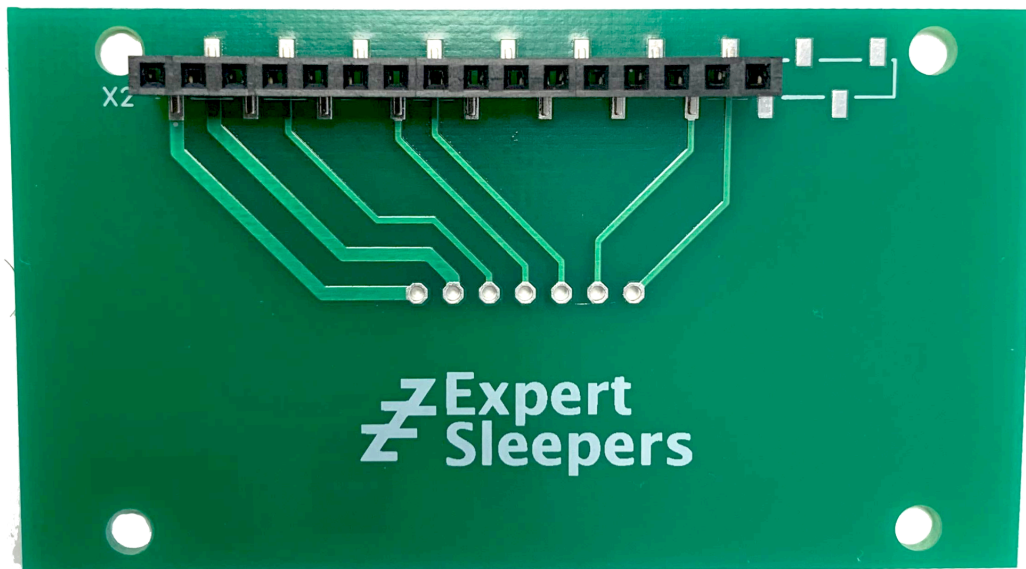


Expert Sleepers 1U Display - Build Document

1. The first step in this build is securing the female header to the front of the main PCB. This header is used to attach the screen.

IMPORTANT Note that a 16 pin header is supplied as part of this kit (8 pins alternating on each side) but the footprint has 20 solder pads. Ensure that there are 4 empty pads left on the right hand side of the PCB with the header all the way to the left by the X2 text as shown.



An effective way to solder SMD components is to first apply a small amount of solder to one of the corner pads. Then place the header into the correct position on the front of the PCB before reflowing the pad with solder to secure one corner of the header.

You can reflow this pad as necessary to straighten the header before soldering all remaining pads when satisfied with the position.

2. Next solder the 7 pin male header so the pins face out the back of the PCB, on the opposite side of the PCB to the other header. This header is used to make the jumper connections to the Disting EX or other Expert Sleepers module.
3. Connect the Display by pushing the male pins securely into the female header we soldered in step 2.
4. The 1U Display module is now complete. Use the provided jumper cables to make the connections between your modules following the information on this link.
<https://www.thonk.co.uk/shop/expert-sleepers-1u-display-kit/>
5. Finally secure the 1U Display into your case with the provided screws.