Assembly Instructions for the EyeBall

S. Vance Greenface Labs

4/13/2019

The EyeBall comes as two printed circuit boards, referred to as "the circuit board" and "the front panel" in this document.

Front Panel

The only components attached to the front panel are the hex stand-offs (SO1 - SO4) and the associated screws (SC1 - SC4).

Start by attaching the standoffs to the front panel.

Circuit Board

1. Install H1 - H4 on the bottom side of the circuit board.

2. Install discrete components and ICs. (save the longer trimmed leads for step 4.)

3. Install LEDs and Photo transistor. Use stand-off spacers to mount LEDs and the photo transistor. (The LED leads fit into the outer slots of the standoffs and the photo transistor leads fit into the inner slot).

If these aren't available, place circuit board onto the front panel standoffs and set the height of the component by pushing it into the hole in the front panel.

Solder the component into place and remove the circuit board from the front panel to continue assembly.

4. Install potentiometers. Use trimmed component leads to connect potentiometers to the circuit board.

5. Install Jacks. Make sure all jacks are seated flush to the circuit board. (You’ll need to trim solder eyelet in order to fit jacks into board. Leave as much length as possible)

6. Clean the board with flux remover. (optional)

7. Test it.

8. If everything works, assemble the parts and you're ready to go!

The photo below is not current. But it can be used as a guide. We will get a photo of the current revision as soon as possible. (note: cat hair not required for proper operation)

