

10 to 1 Frequency Divider

Description

This 10 to 1 divider board is designed specifically for the 10MHz OCXO breakout board that we also sell. It is intended to mate easily with the 10MHz PCB using the headers and mechanical parts provided with this item at sale. By attaching this board to the 10MHz unit a simultaneous 10MHz and 1MHz signal is now obtainable.

The divider PCB derives its signal and power from the OCXO board so no external power is required to be used with the divider board. The 1MHz signal is instantly available at the BNC jack on the divider PCB once it is connected to the 10Hz PCB.

Steps to be completed

Refer to attached photo for additional help.

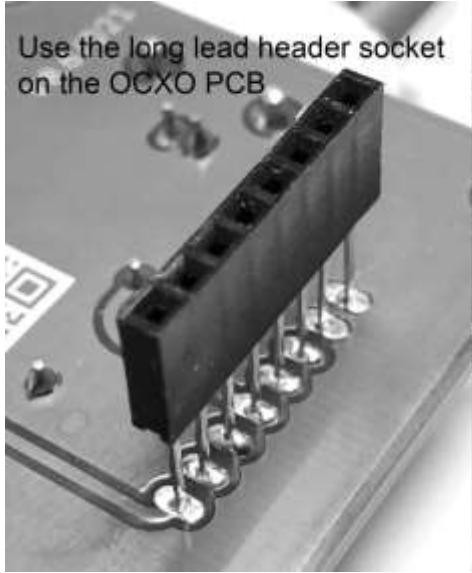
1. The long tail socket header is soldered to the pads on the underside of the 10MHz OCXO PCB. Ensure the header is attached at 90° to the PCB.
2. The short tail header strip is attached to the top side of the 10 to 1 PCB using the pads provided, again ensure the strip of pins are at 90° to the PCB.
3. Attach the four (4) threaded spacers to either PCB using the mounting holes in the PCB.
4. Bring the two (2) PCB's together and mate the headers ensuring proper alignment and that no pins are bent outside the header socket.
5. Use the remaining bolts to fully secure the 2 boards and ensure a strong mechanical sandwich.

Once these steps are completed power can be applied to the 10MHz PCB and the original (10MHz) and divided signal should now be available.

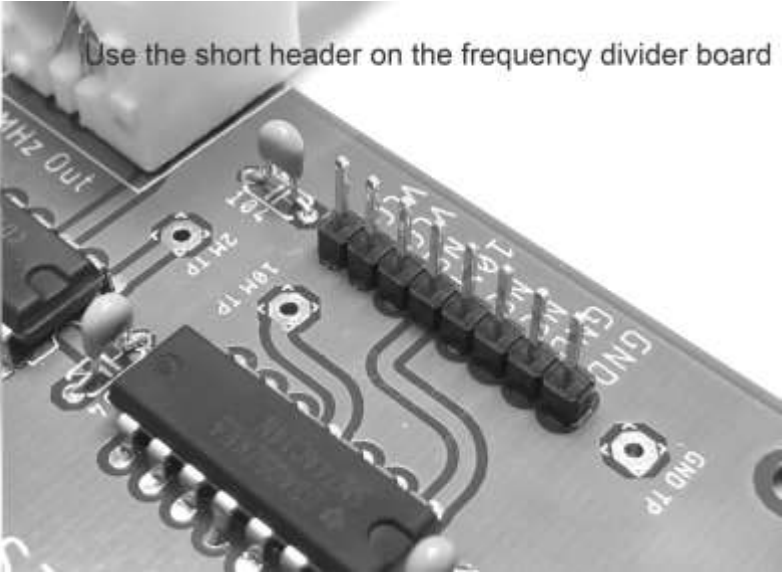
For any issues or questions please contact us at:

steve@electrosales.com

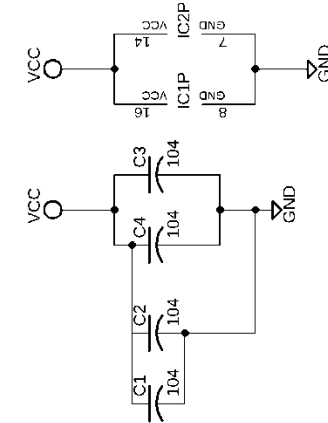
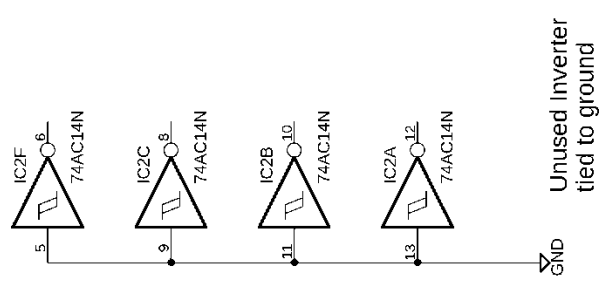
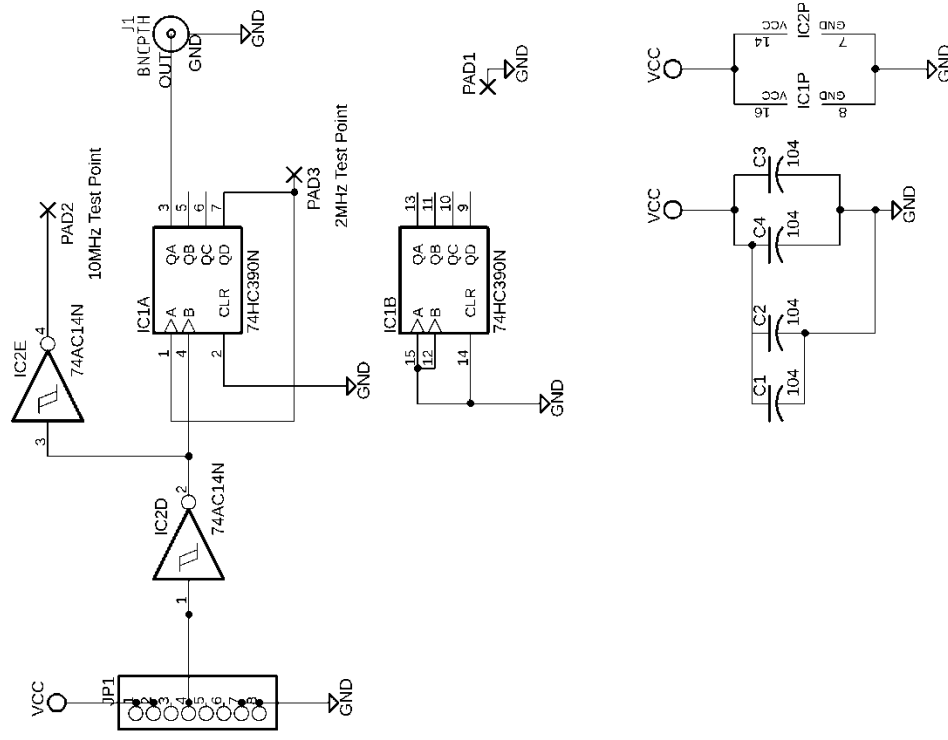
Use the long lead header socket on the OCXO PCB



Use the short header on the frequency divider board



Use the above picture to understand how to use the headers to connect the boards electrically.

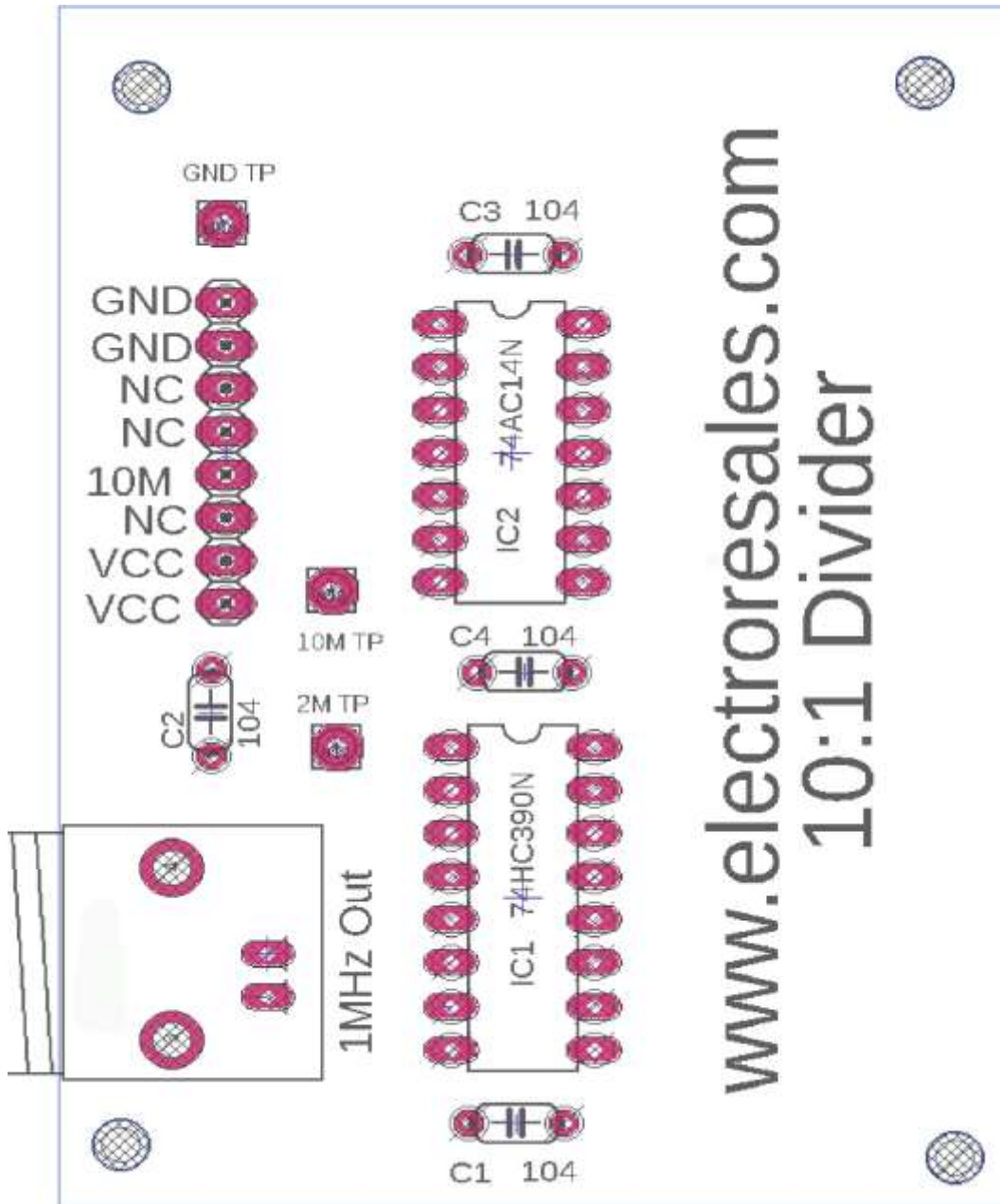


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PCB Layout:



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