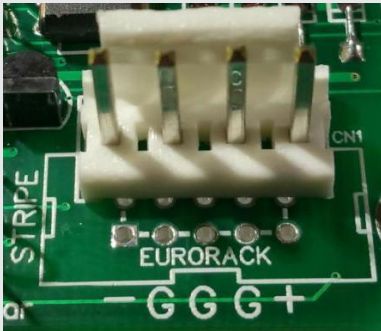


# Mattson VCO 2 DIY Board assembly

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(maybe)



4-pin

## (4-pin power connector if using this option)

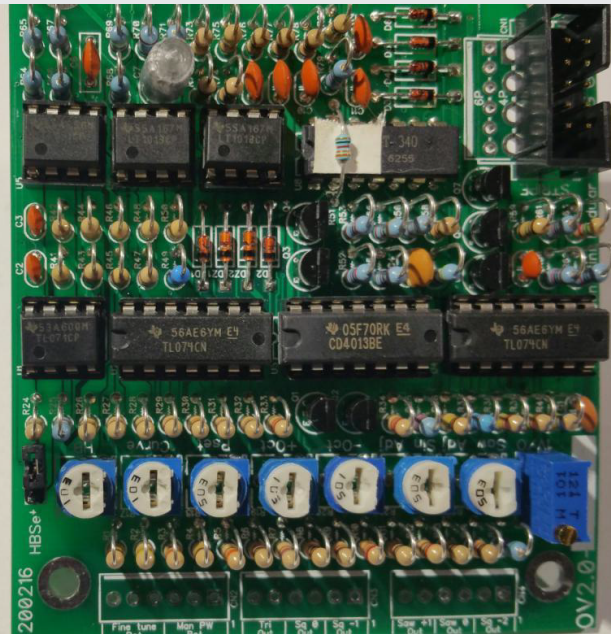
If you chose to install the **4-pin power header** instead of the 6-pin or 10-pin headers, install it now as shown.

Pay attention to the locking ramp position.  
Solder it to the board.

If you chose none of these options, you can just solder your power leads directly to the proper pads.

If you have already installed a power connector, skip this step.

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## ICs

### U1-U7: ICs.

Now it's time to install the Integrated Circuits. Or, ICs. All of the notches/pin-1 indents point away from the power connector pad.

If you don't have an IC inserter, you may have to bend the pins inward slightly. I do it by holding the IC at each end, putting the leads flat on the work bench and gently rock the IC to bend the pins in just a touch. Then, repeat with the other side.

Make sure the pins line up and fit in the socket prior to seating the IC into the socket.

**VERIFY** after seating that the pins all socketed and didn't bend flush to the bottom of the IC.

No connection=it won't work.....

**U1, U5: TL071**, 8-pin.

**U2, U4: TL074**, 14-pin.

**U3: CD4013**, 14-pin. (**Static sensitive**- don't touch unless grounded)

**U6, U7: LT1013**, 8-pin.

Congratulations, you have finished installing all of the board components.

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Now, double check your work, component orientation, part values, look for solder connections that may be messed up, raise a toast to the good solder connections and.....

Go to Panel Component wiring