



# Octoscroller Assembly

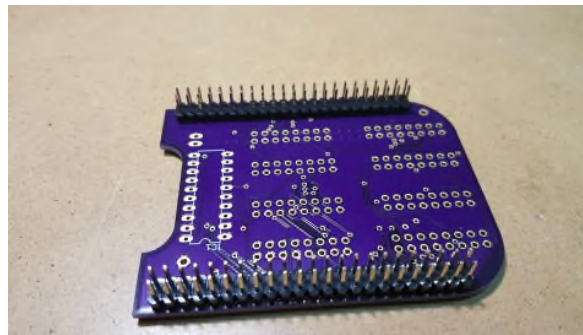
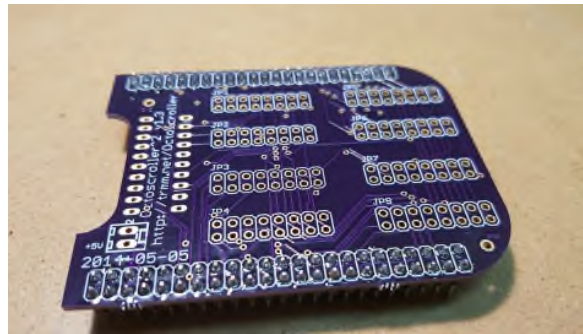
# Prepare for your project

- ▶ Make sure you have the listed parts before starting the assembly
  - 1- Octoscroller PCB board
  - 1- Texas Instruments SN74LVC245AN IC chip
  - 2- 2x23 pin headers
  - 8- 2x8 16p Female box headers
  - 1- Step by Step instruction manual
- ▶ Other parts needed for the assembly include
  - Soldering Iron or Station
  - a good Brand of Solder I recommend Kester
  - grounding pad with grounding wrist strap

# Assembly

Start the assembly with the 2 - 2x23 pin headers. The longer legs go on the bottom of the board.

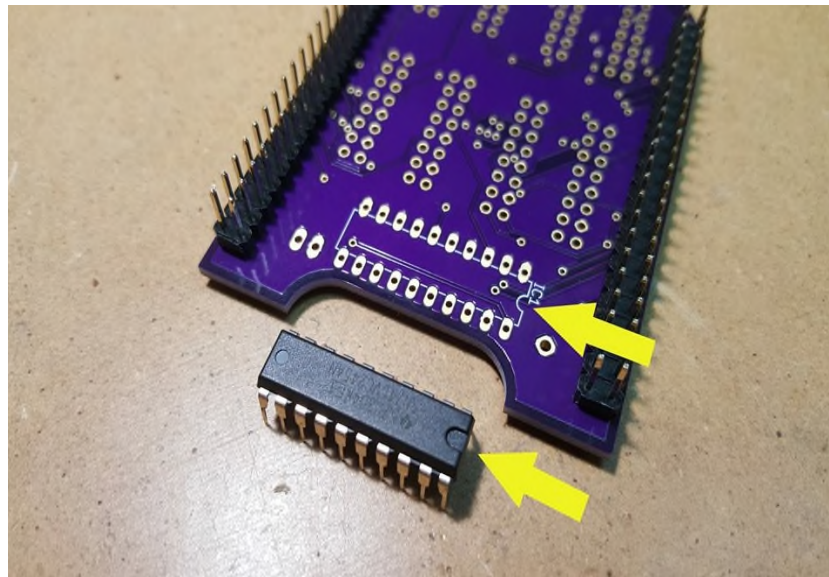
\*I have found it easier to solder the opposite corners of each 2x23 pin header to keep them in place before soldering the rest of the header.



# Assembly

Next step is to solder on the IC Chip Texas Instruments SN74LVC245AN

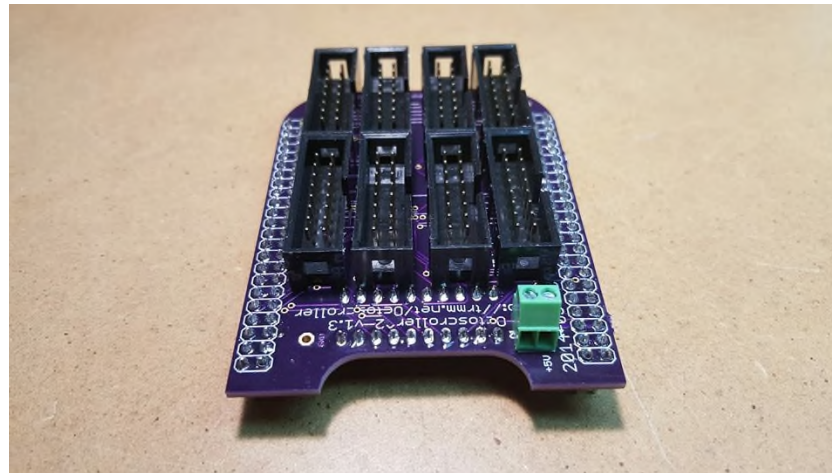
\*\*\*Note this will install on the bottom of the board and you Must line the notch of the chip with the notch of the silk screen on the board as shown in the picture.



# Assembly

Next you need to solder on the power input.

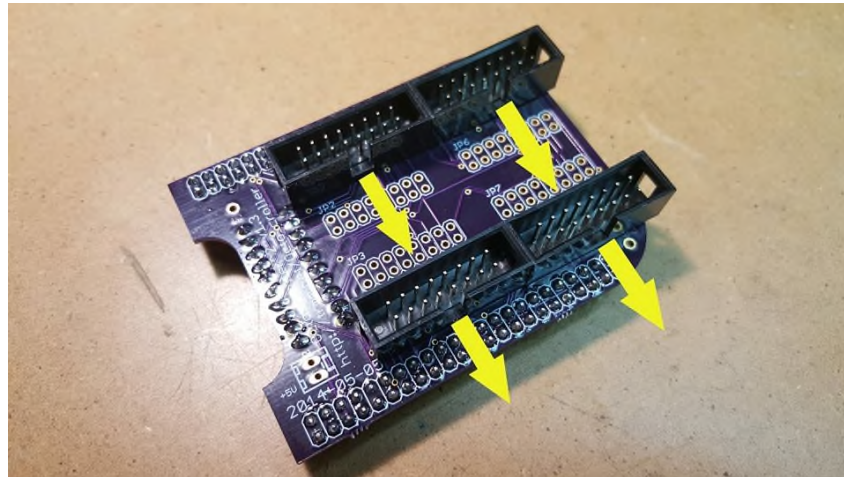
\*\*\*Make sure the openings for the wires face away from where the 16p Female box Headers will install in the next step



# Assembly

Next solder on the 8 - 2x8  
16p Female box Headers

\*\*\*Note ALL the notches on  
the headers will all face the  
side that has the power  
input on it. As shown in the  
picture.





## Post Assembly

Note the Flaw in the design. Which I'm going to have fixed is the silkscreen text on the board that depicts the output are covered up after you install the Headers, but shown here they are listed.

