Before you begin:

- Open the **BILL OF MATERIAL** ?
- Collect all the *Needed Parts*
- Download the A R D U I N O S K E T C H
- Print and fold this guide
"say goodbye to yr yellow ink cartridge"

TUNER?

David's questionable guide to

It's like a tuner

It has a pretty cool display

yess

It tells you which notes you're playing!

Start with soldering the RESISTORS

and C2
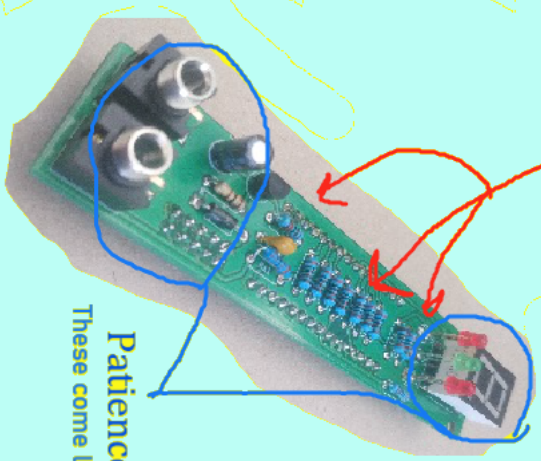
Patience
These come later...

It should work first try...

If not, there are a few things you can check.
(keep in mind I'm not a electrician, I'm 1/8th of an A4)

- Diode orientation
  This happens sometimes

- U used a 79L05
  It should be a 78L05

- Bad solder connections
  Reflow all the connections

- Wrong display
  Check my Github for the right display

- Bad arduino
  Maybe try it with a different arduino?
  An official one?

Next up, the powerconverter, diode and capacitor.

Mind the **POLARITY OF THESE COMPONENTS**

White part = negative

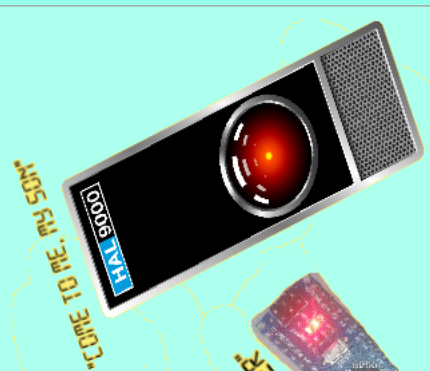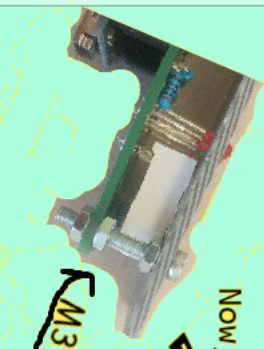**Pinheader 4**
Arduino

PoWeR HeAdEr
<Use unshrouded headers plz.>

Check the PWR header for shorts

If everything's fine Go ahead and

PLUG IT IN
PLUG IT IN

(seriously tho, it can blow up your system)

Now, put the PANEL on

M3 screw

Make sure the display, LEDs and jacks are in place B4 soldering them

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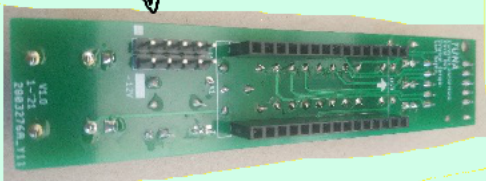
Plug yr ARDUINO into yr PC computer

and upload the sketch

HAL 9000

"COME TO ME, MY SON"

"YES, FRTHER"