Hello there,

I prepared for You an DIY instruction for MASLOW Shield.
Things we will need:

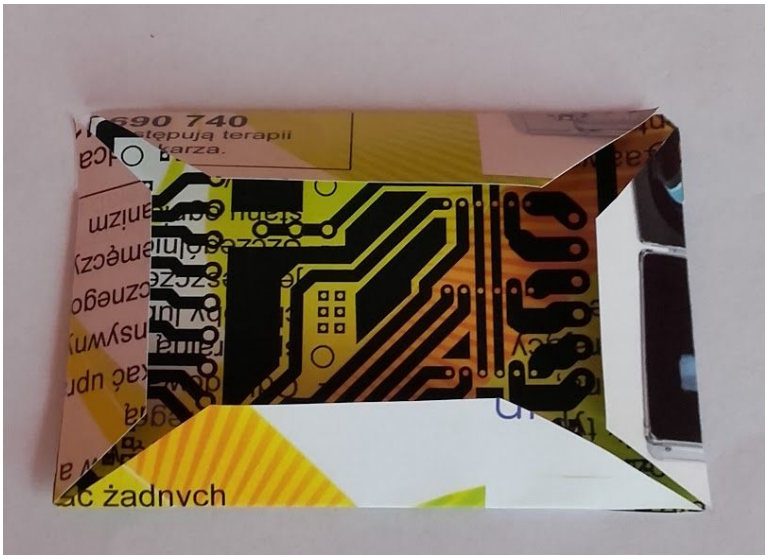
- 1x Blank copper PCB (61mm x 92mm)
- 6x 5.08 screw header with 3 slots
- 3x external H drivers (minimum 2A Current)
- 6x strip of goldpin (6 in row)
- 2x strip of goldpin (3 in row)
- 1x strip of goldpin (4 in row)
- 1x strip of goldpin (18 in row)

Tools

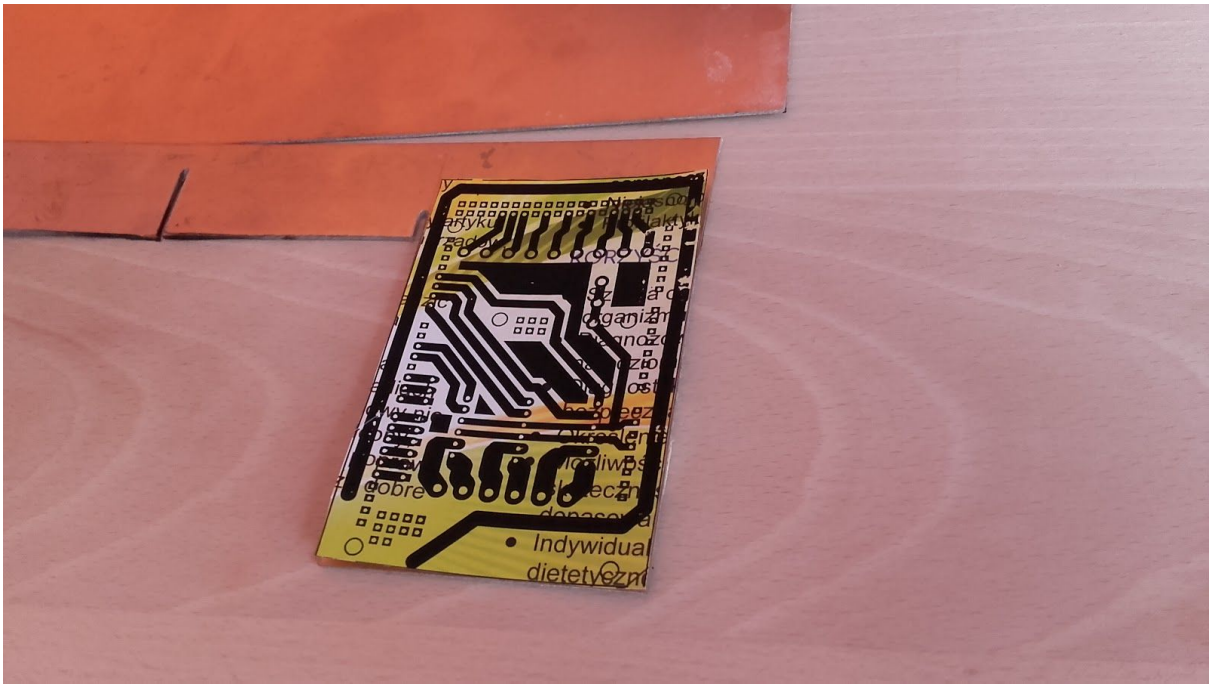
- Any Laser Printer
- Any angle grinder
- Soldering Iron,solder and flux.
- Slippery paper or Advertising leaflet a4
- Iron for ironing
- Drillbit 0.8 HSS (get in electronic shop)
- Drillbit 1.5 HSS (get in electronic shop)
- FeCl3 for pcb etching (get in electronic shop)
- 1x half liter glass jar
- Sanding paper 1200 or 800
- Universal solvent

How we do it:
Use PCB Toner hot Transfer method

Print PDF with the board on paper. Make sure You don’t use any scale (because element won’t fit).



Cut it out in shape of envelope. Fold it like that.

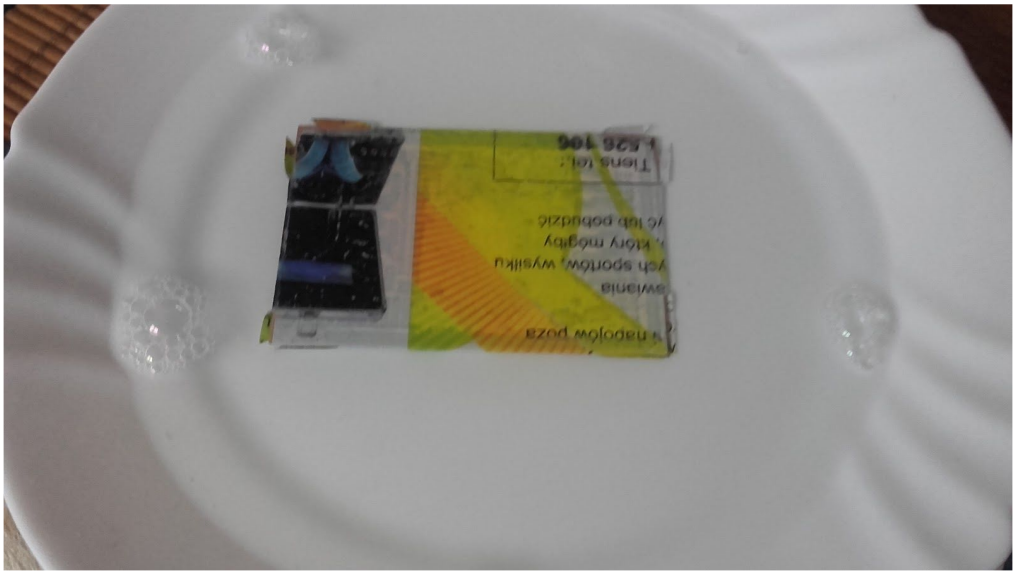


Place printed element on PCB and mark size of blank copper PCB You must cut.

- (61mm x 92mm)

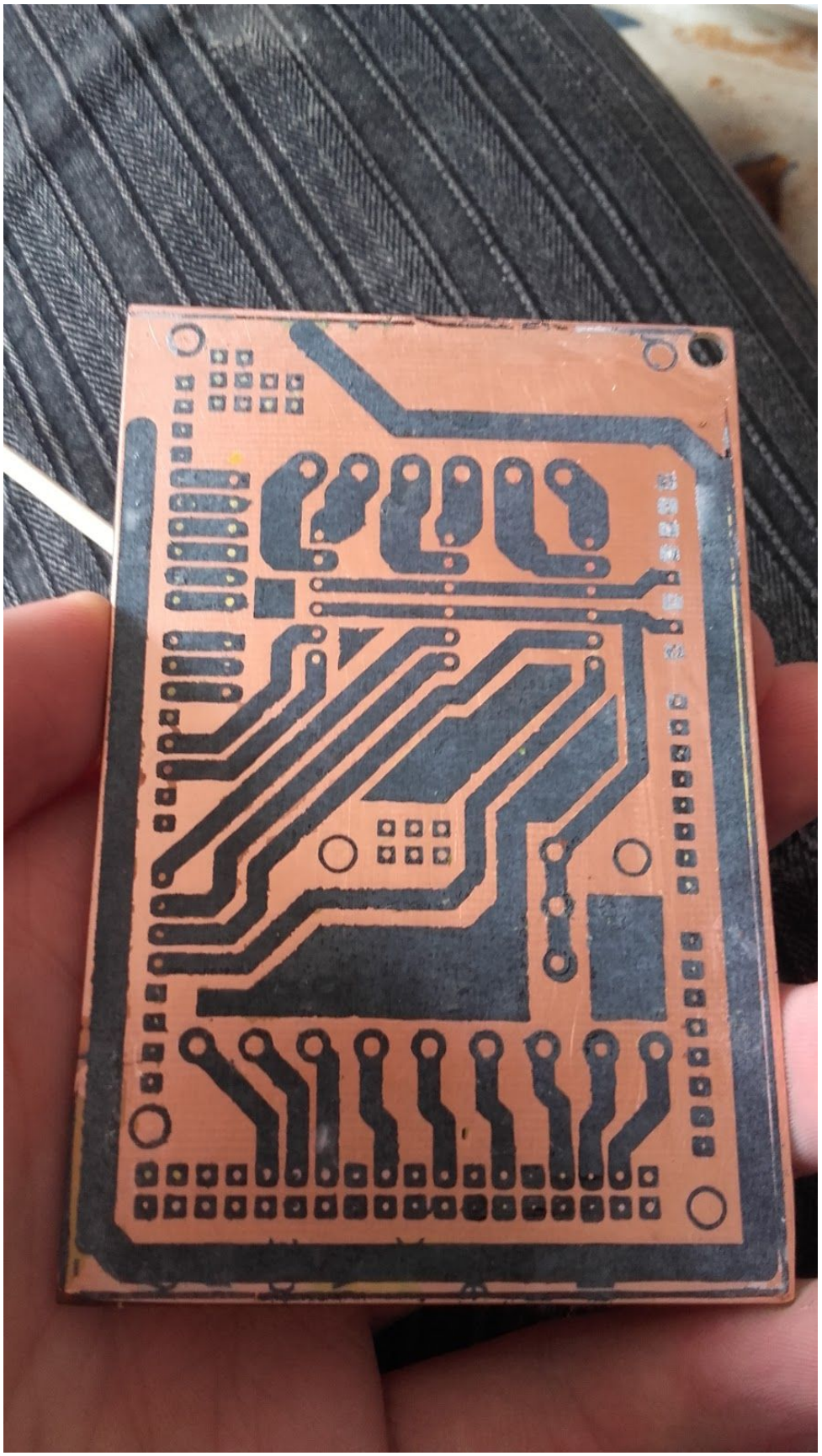
Sand it with sandpaper

Put copper into envelope and start ironing rotating on flat surface for ~ 2 min
If You fail to transfer just remove broken toner and start again.



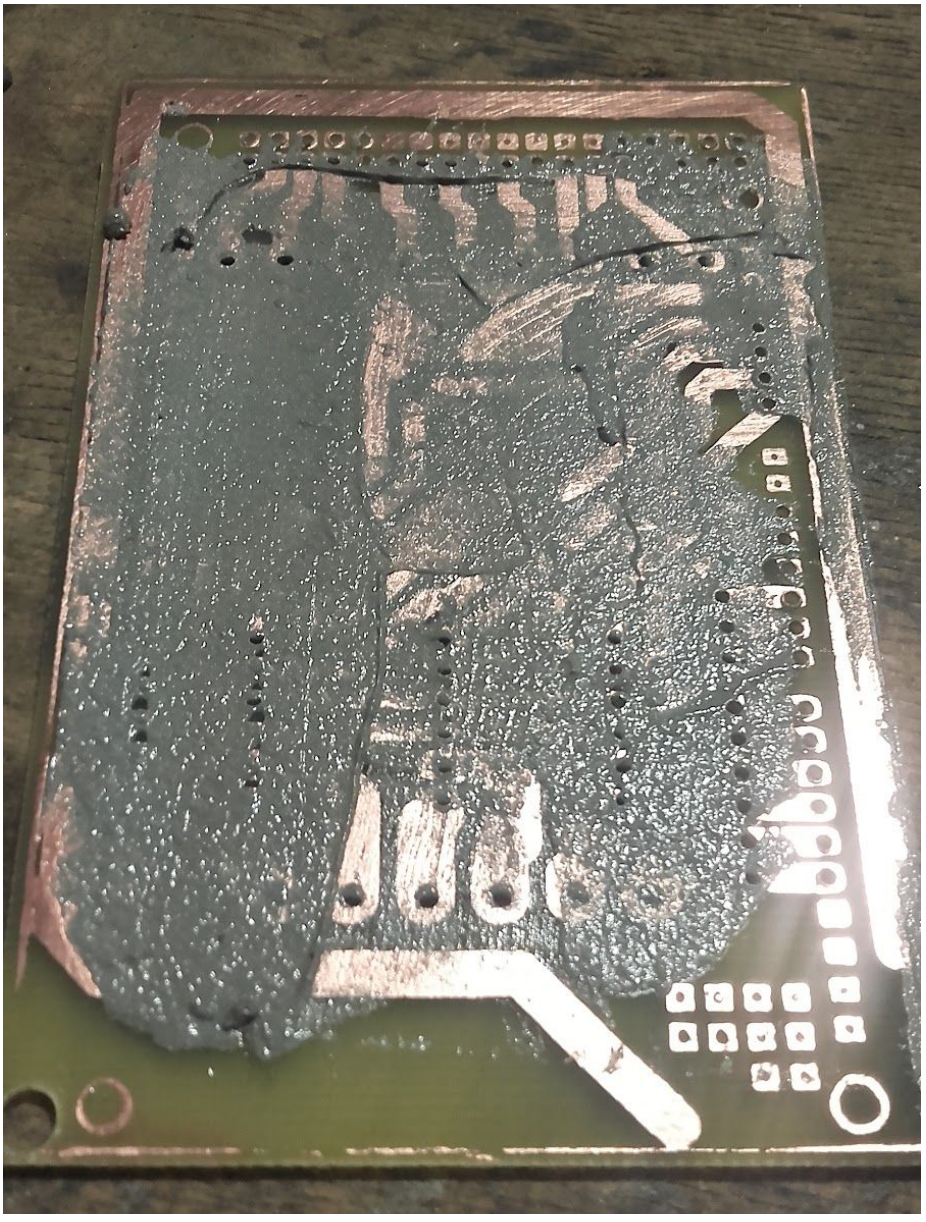
After ironing let board get wet. Wait 30 minutes till it soak.

Remove the paper layer by layer.

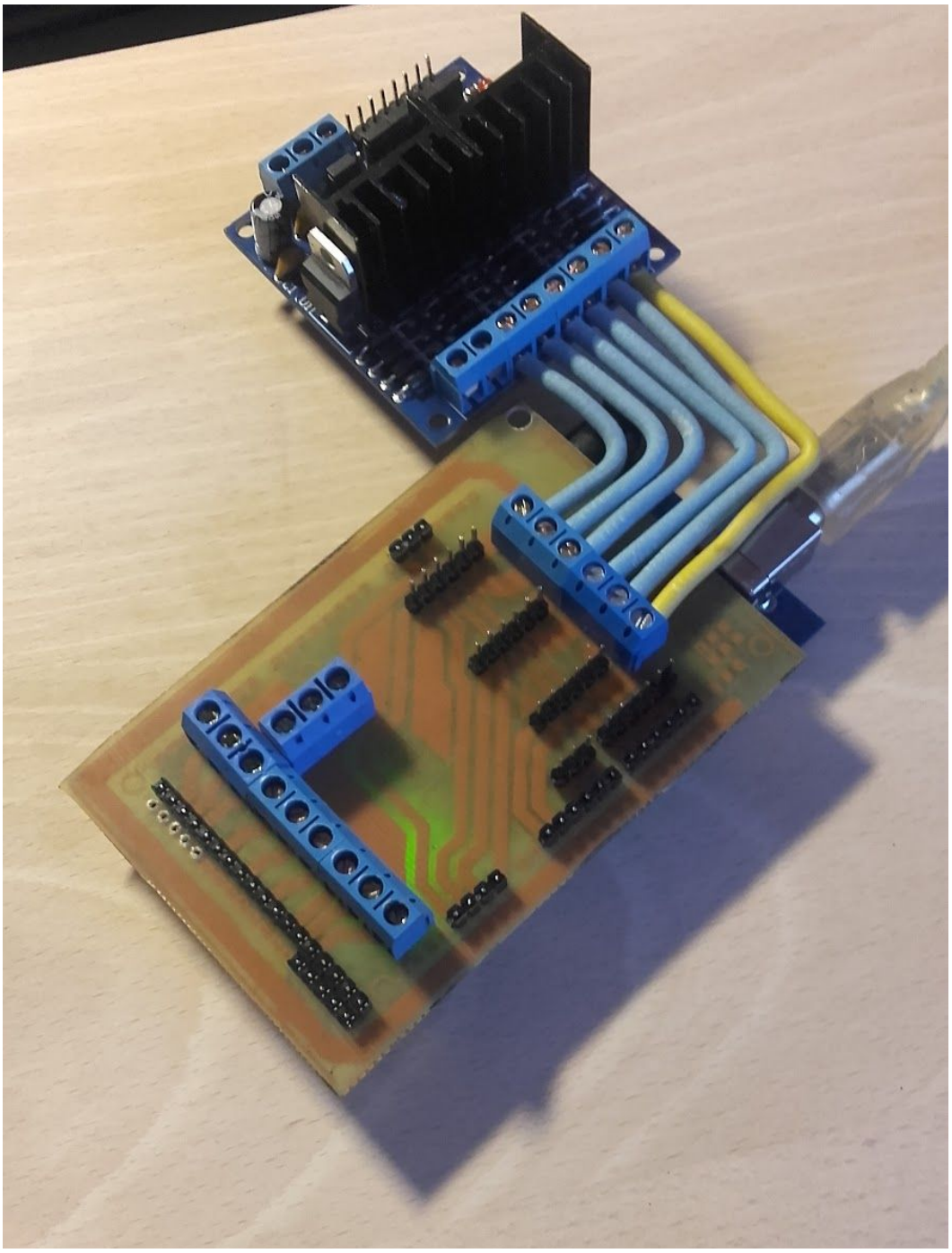


Clean up the remaining paper and make sore the paths are correct.
Drill a hole in corner to put there stainless steel wire. You will need that to hold board in jar.

Fill jar with acid, put there your board and place it into pot filled with hot water. (heat it to speed up the reaction)
Drill holes in designated places where the components go.



Wash your board and prepare to soldering.



Place all the components on board and solder it.