

Adjustable Temperature Control Cheap T12 Soldering Iron

I love my T12 Hakko Clone Soldering iron. It's cost effective and usefull. This weekend I decided to make a cheaper clone version. First of all, I did a preliminary research on the internet and listed the most economical components that I could use.

🔧 Difficulté **Moyen**

🕒 Durée **2 heure(s)**

📁 Catégories **Électronique**

💰 Coût **25 USD (\$)**

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Notes et références

Commentaires

Introduction

1. Plastic Enclosure

This project box only 3.- USD and its very useful structure for lab bench application. [link](#)

2. Power Supply

I've used old notebook power supply 20V 3.25A. [link](#)

I recommended to you swap-meet(FleaMarket) or your personal scrap-box ;)

3. Power Plug

Standart IEC14 Chasis Mount.

4. Rocker Power Switch w/light.

5. Standart 16x2(16Charx2Row) datasheet

6. Double Sided PCB GERBER + BOM LIST + Arduino Software [link](#)

7. Plastic Knob or print its up to U.

8. 3D Printed Front and Back Panel on Thingiverse [link](#)

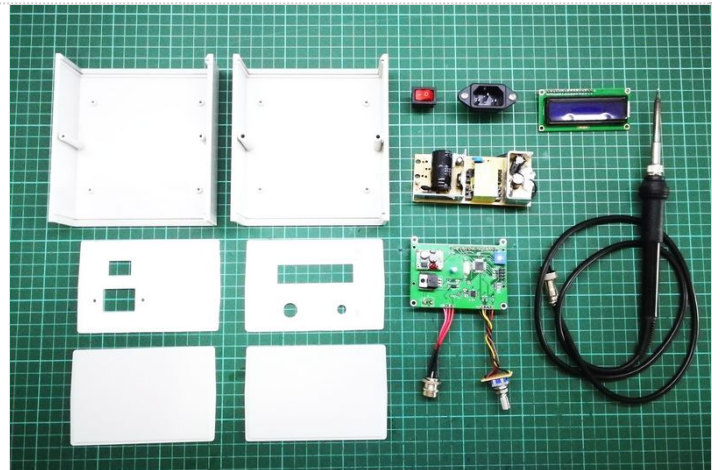
9. Encoder EC-11

10. GX12-5 MIC Avionics Connector.

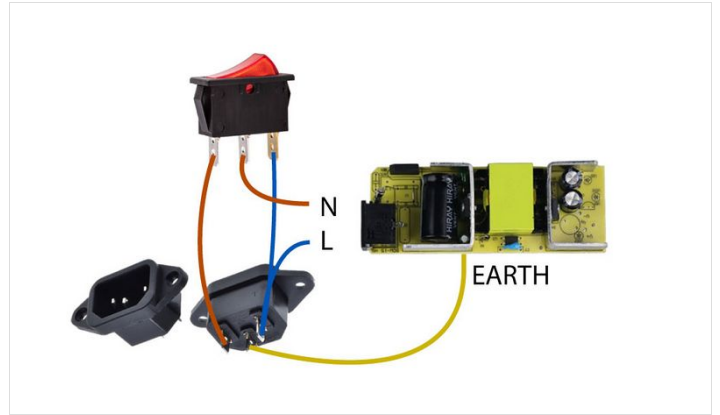
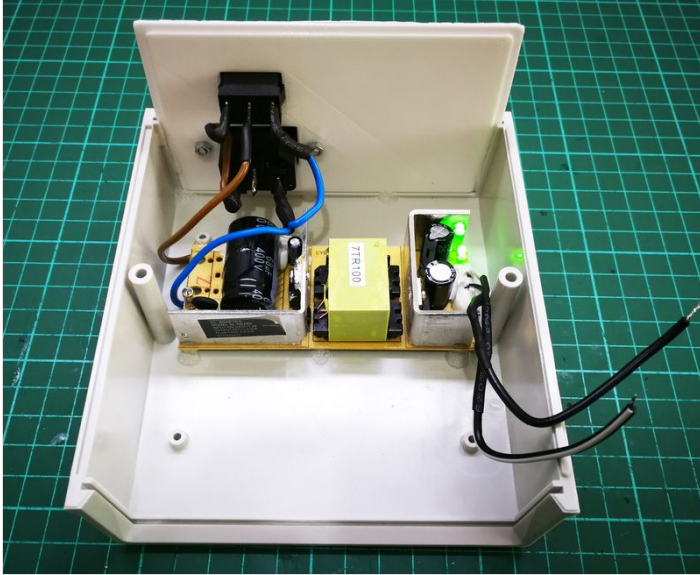
Matériaux

Étape 1 - Parts Introduction

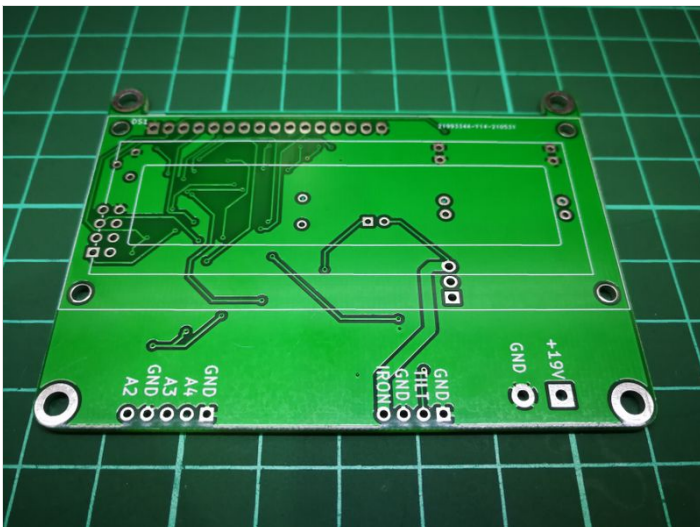
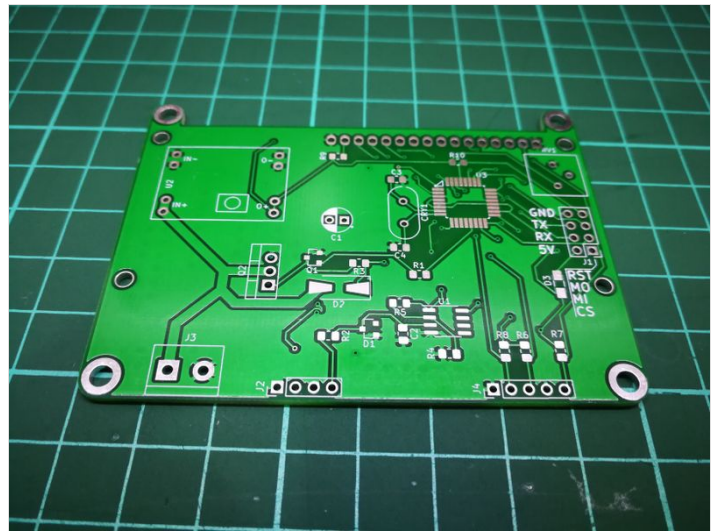
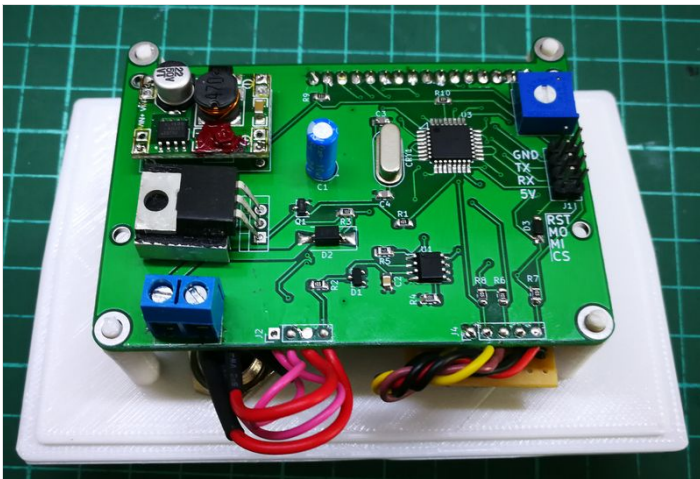
Outils



Étape 2 - Power Side Assembly



Étape 3 - Controller Side Assembly PCBA

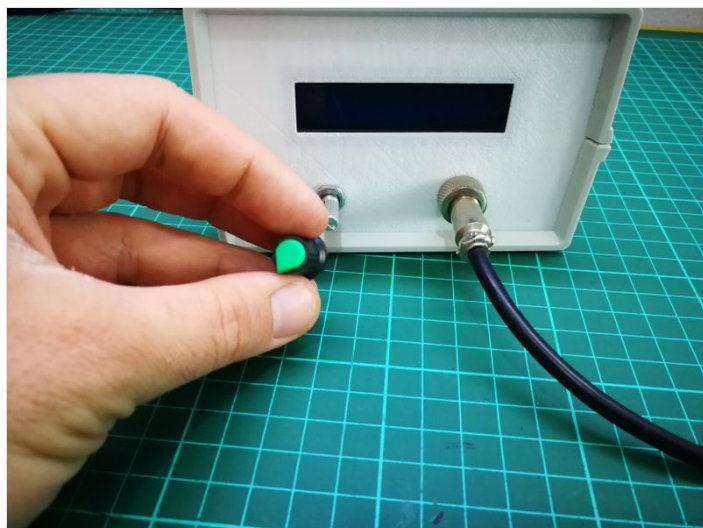
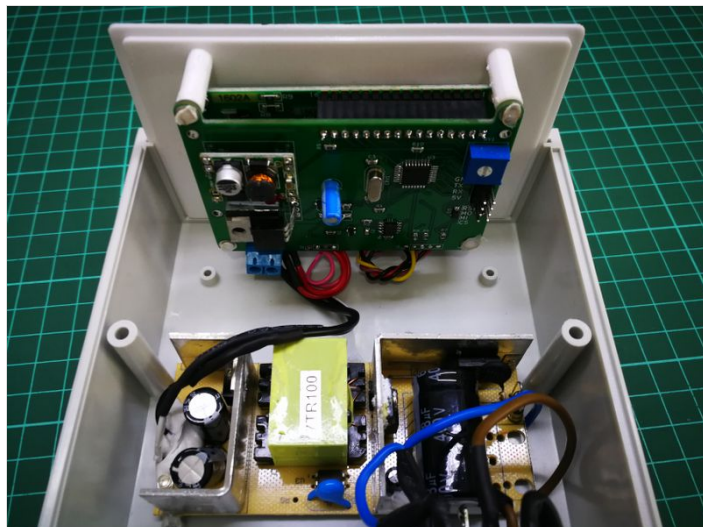
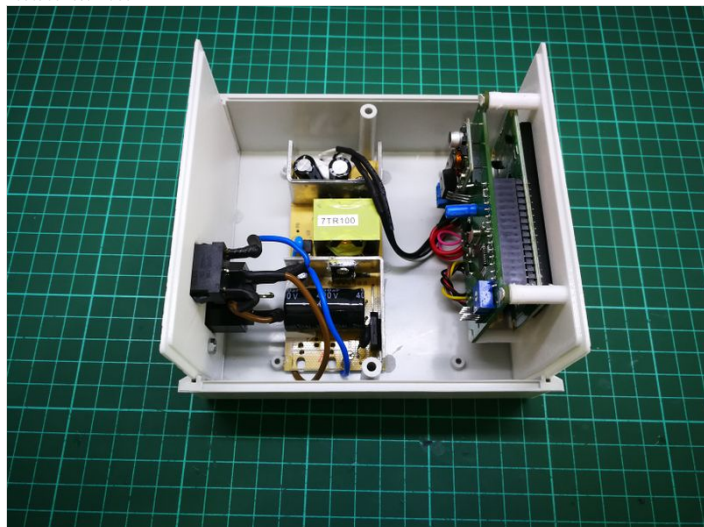


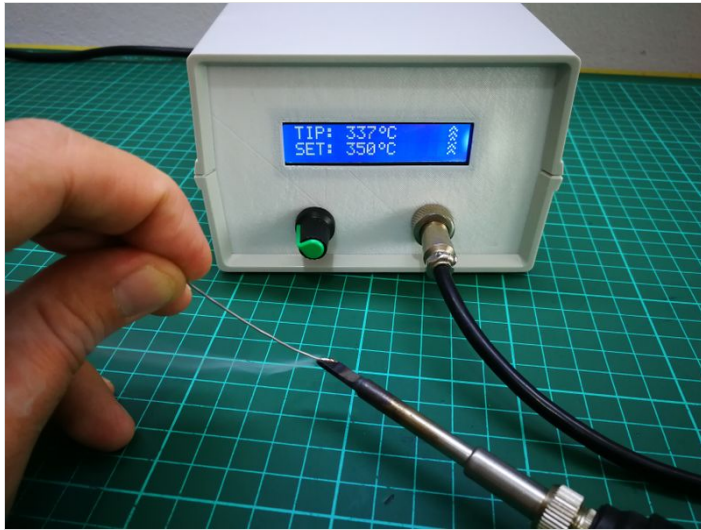
Étape 4 - Connector & Encoder Assembly



Étape 5 - Finalize

Youtube Test Video





https://wikifab.org/wiki/Fichier:Adjustable_Temperature_Control_Cheap_T12_Soldering_Iron_Adjustable_Te

Étape 6 -

Notes et références

Hi! Can I have the princely scheme of the soldering station!