

UNIT 4 - SESSION 5

Introduction to

- Understanding Project Objective
- Bill of Materials/ Components Connected
- De-Soldering of Components
- Components Testing

Lesson Aims

- Identify the Components Connected with the PCB.
- Hands-On Activity -De-Soldering the Components from the PCB Layout.
- Verify and Test the Components.

PCB - PRINTED CIRCUIT BOARDS AND INTRODUCTION TO SOLDERING

Introduction to Activity

Objective of the activity is to De-solder the Components of Voltage regulator as per PCB Layout & Test the Components.

Identify the Components Connected:

2 X 2 wire PCB mounted terminal blocks (optional)
1 X diode
1 X L78S05CV voltage regulator chip
Some verro board

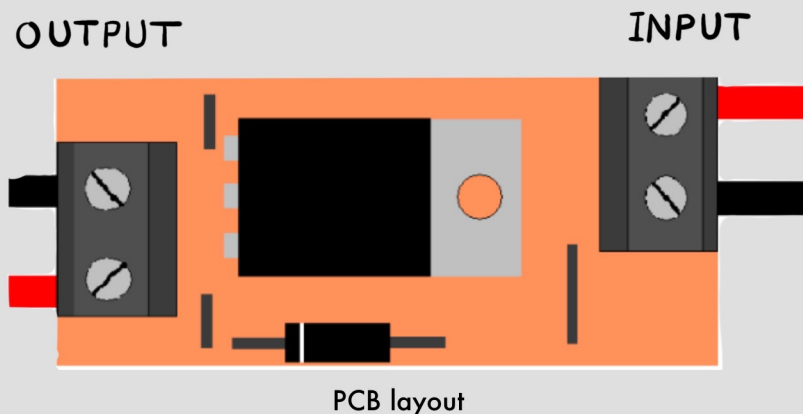
Tools Needed for Desoldering:

De-Solder Pump- It Works as removing through holes parts from a PCB.



Desolder the Components as per PCB Layout:

- How To Remove Solder with Desoldering Wick
- Use a soldering iron to heat up the solder you want to remove. Some desoldering pumps also come with attached irons.
- Press down on the plunger. If your pump has a bulb, squeeze the bulb.
- Once the solder is molten, place the tip of the desoldering pump against the solder you want to remove.
- Release the plunger or bulb. Some pumps have a release button so that you do not have to hold it the whole time.
- Remove the free component.
- Repeat above steps to remove any excess solder.
- Dispose of the solder inside the pump. Do this by pressing down and releasing the plunger on repeat.



REFLECTION

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- 1) Explain the procedures to do Desoldering?
- 2) Explain any one safety Precaution to be taken while doing this Activity?
- 3) Explain any one Safety Precautions to be taken While doing Desoldering?
- 4) Identify the PCB type Required for this Activity?



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