

# Soldering Lab – Quick Guide

## Purpose

This lab is dedicated to **lead-free soldering** only. Soldering releases **harmful fumes**, so all work must be done at **designated stations** equipped with **fans and filters** to extract and purify the air.

## Safety Measures

- **Clear the workspace** of flammable materials before starting.
- **Turn on the fan** and **activate the soldering iron timer** before use.
- **Work close to the fan intake** so fumes are effectively captured.
- **Handle with care** – soldering irons are very hot and can cause **burns** or **fires**.

## Key Actions and Good Practice

- **Do not leave the room** until the soldering iron has cooled and there's **no risk of fire**.
- **Keep the soldering tip clean** – avoid contact with plastic or other contaminants.
- If the tip becomes dirty, **wipe it on the metal cleaning sponge**.

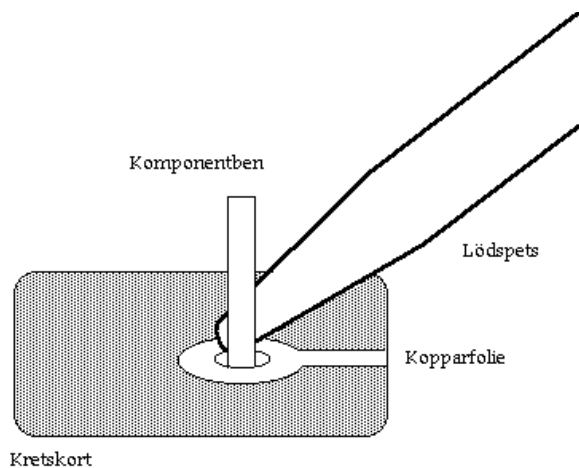


fig. 1. Rätt placering av lödspetsen

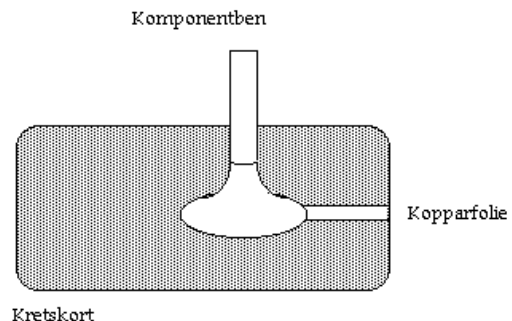


fig. 2. Lagom mycket lödtegn

## Additional Resources

Learn more about soldering techniques:

- [Getting Started with Soldering – Kjell & Company](#)
- [Soldering Course – Kennethshem.se](#)
- [Soldering Guide – Kjell & Company](#)