

# PCB Layout for Astable Multivibrator

**Spoken Tutorial Project**

**<https://spoken-tutorial.org>**

**National Mission on Education through ICT**

**<http://sakshat.ac.in>**

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# Learning Objectives

**In this tutorial, we will-**



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- **Create a PCB layout for an Astable Multivibrator.**

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- ▶ **Create a PCB layout for an Astable Multivibrator.**
- ▶ **Generate Gerber Files.**



# System Requirements

- **Ubuntu Linux OS version 16.04**



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- ▶ **eSim version 1.1.2**



# Prerequisite

- ▶ **Create Schematic in eSim.**



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- ▶ **Assign components to footprints.**





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# Download Code File

- ▶ **The partially made layout is available in the Code Files link.**
- ▶ **Download and extract this file to your Desktop.**
- ▶ **We will use the downloaded code file to practice the rest of the tutorial.**



# Summary

**In this tutorial, we learnt to :**

- ▶ **Create PCB Layout for Astable Multivibrator.**
- ▶ **Generate Gerber Files.**



# Forum to answer questions

- ▶ Do you have questions in this Spoken Tutorial?
- ▶ Choose the minute and second where you have the question.
- ▶ Explain your question briefly.
- ▶ Someone from the FOSSEE team will answer them. Please visit

<https://forums.spoken-tutorial.org/>





# Forum to answer questions

- ▶ Questions not related to the Spoken Tutorial?
- ▶ Do you have general / technical questions on the Software?
- ▶ Please visit the FOSSEE Forum.

<https://forums.fossee.in/>

- ▶ Choose the Software and post your question.



# Lab Migration

- ▶ The FOSSEE team coordinates to migrate labs that use proprietary software to eSim.
- ▶ We give honorarium and certificate to those who do this.

For more details, please visit this site:

<https://esim.fossee.in/lab-migration-project>



# Circuit Simulation Project

- ▶ The FOSSEE team coordinates convert existing circuit design and simulations into eSim.
- ▶ We give honorarium and certificate to those who do this.

For more details, please visit this site:

<https://esim.fossee.in/circuit-simulation-project>



# Acknowledgements

- ▶ Spoken Tutorial Project is a part of the Talk to a Teacher project.
- ▶ It is supported by the National Mission on Education through ICT, MHRD, Government of India.
- ▶ More information on this Mission is available at

<https://spoken-tutorial.org/NMEICT-Intro>



# THANK YOU!

For more information, visit our website  
<https://fossee.in/>

