

Integrated library

➤ What is an integrated library

In PCB design, an integrated library is comprehensive collection of parts packed into a single library file and includes schematic symbols, PCB footprints, and 3D models.

This library offers a single source for all required component data, which simplifies the design process.

➤ Creating and using an integrated library in projects

1. Choosing new file and integrated library
2. Component selection
3. Schematic symbols
4. PCB footprints
5. Enabling UI. Project options. search path
6. 3D models
7. Combining the schematic symbols, PCB footprints, and 3D models into a single integrated library file
8. Using the integrated library by importing it to a PCB design project

➤ Advantages of using integrated library

1. Consistency
2. Speeds up the design process by providing a single source for all components data
3. Minimizing errors by ensuring that the schematic symbols, PCB footprints, and 3D models are correctly linked