

LibrePCB

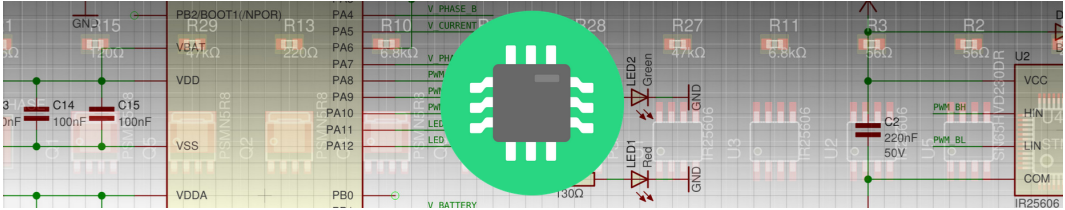
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Coredump Hackerspace, Switzerland



About LibrePCB

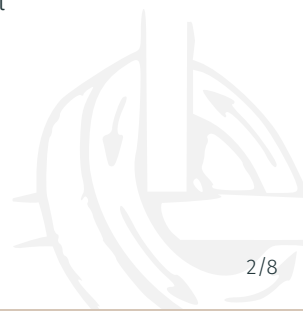


Free/OpenSource EDA Software (Electronic Design Automation)

- Multiplatform (Linux/Unix, Mac OS X, Windows)
- Written in C++/Qt
- Development started in February 2013
- Website: <http://librepcb.org/>
- GitHub: <https://github.com/LibrePCB/LibrePCB>

Most EDA tools have some big issues:

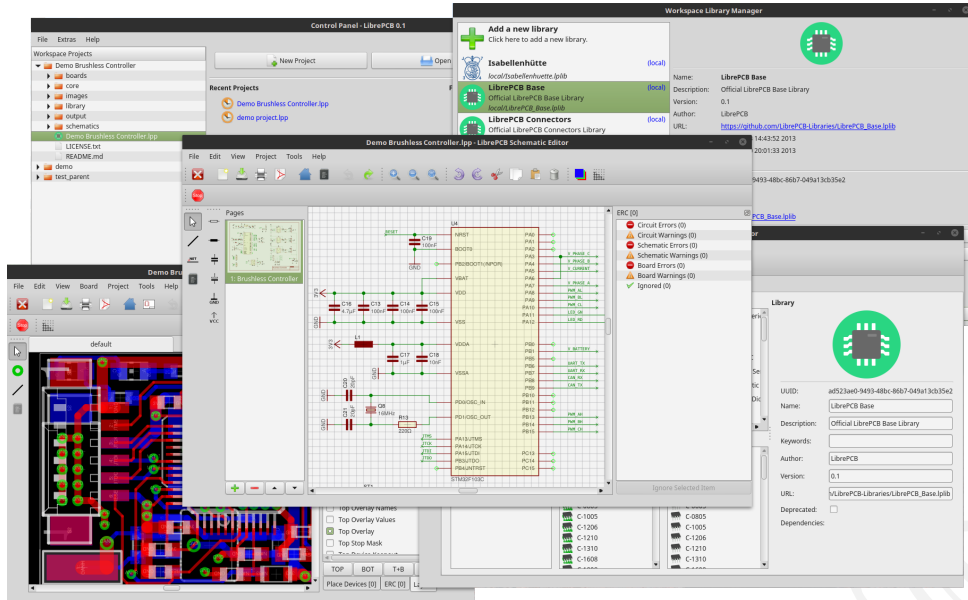
- Only available for Windows
- High license costs, even for updates
- Free/hobby versions not allowed for commercial use
- Limitations in PCB size, count of schematics, pads or vias
- Old-fashioned, non-intuitive user interface
- Proprietary binary file format, not usable for version control
- Enforcement of cloud storage
- Library system unflexible and cumbersome



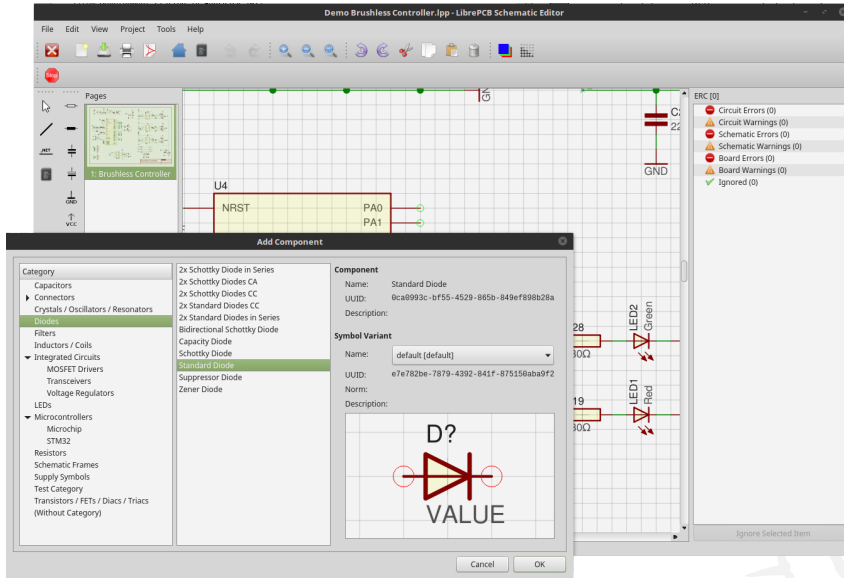
LibrePCB focus on following features:

- Availability for everyone (FOSS, multiplatform, multilingual)
- Modern, intuitive user interface
- Automatic forward/backward annotation between schematics and boards
- Human-readable file format, well-suited for version control
- **Flexible, powerful library system**
 - Browse, download and update libraries from within the application
 - High reusability of symbols and footprints
 - UUIDs for unique identification of elements, even across libraries
 - Categorization of symbols, footprints and devices
 - Ready for 3D models and SPICE models

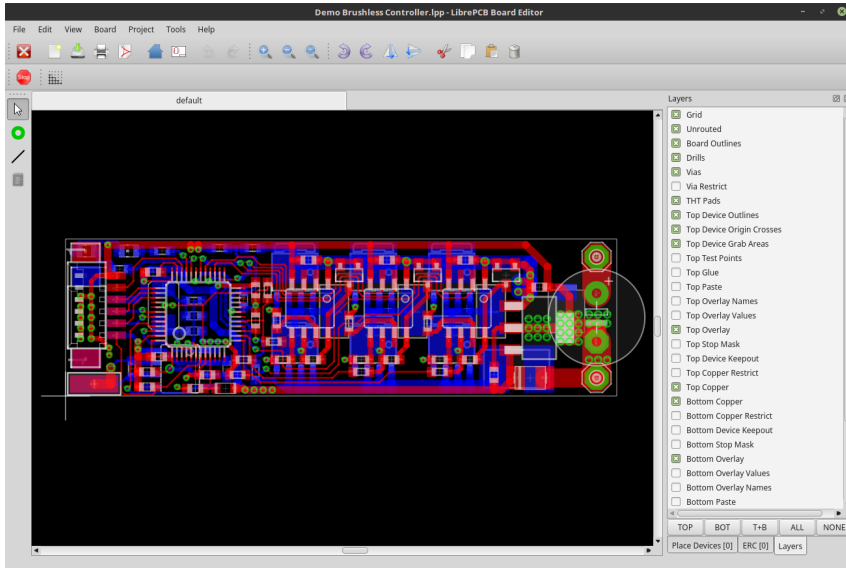
All-In-One Application



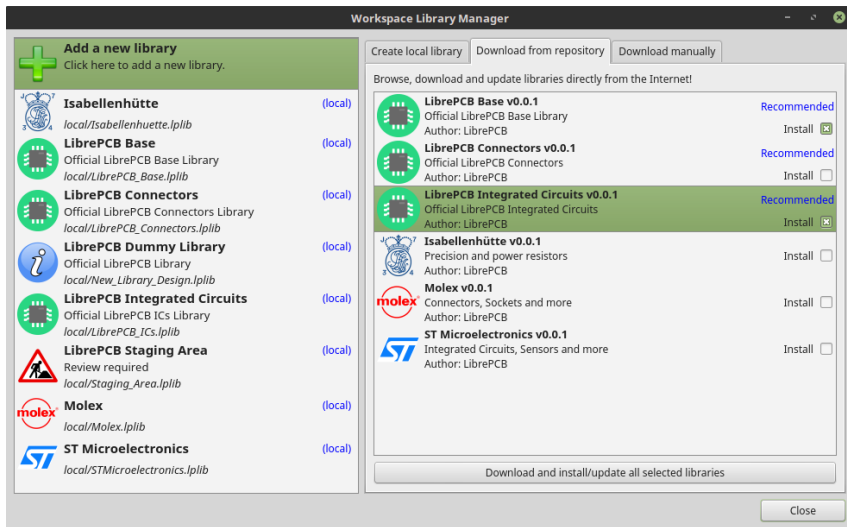
Schematic Editor



Board Editor



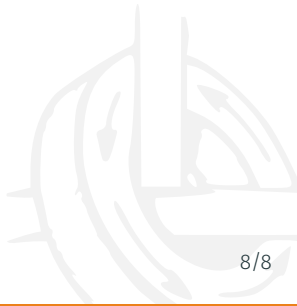
Library Manager



Contributors wanted!

Fork - Commit - Pull Request

<https://github.com/LibrePCB/LibrePCB/blob/master/CONTRIBUTING.md>



Thank you!

www.coredump.ch

