

http://kicad-pcb.org/help/documentation/

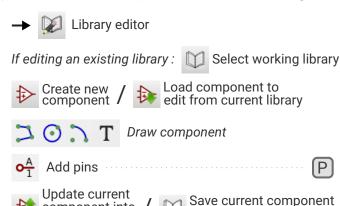
1) Create a project

File →	New Project -	→ [New Project
--------	---------------	------------	--------------------

Eeschema: draw the schematic

Add components :
Move item ¹ : $\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \$
Grab item ¹ : $\critic{1}{\critic{1}}}}}}}}}}}}}}}}}}}}}}}}}}}}}}}}}}} plitin}}}}}}}}}}}}}}}}}}}}}$
Copy item :
Copy selection :
Delete item :
Delete selection : Ctrl + ☆ Shift + ↓
Rotate item :
Mirror item: $\ \ \ \ \ \ \ \ \ \ \ \ \ $
Add wires: W
Edit properties :
Edit value :
Add power symbols : P
Add no-connect:
Add text:
Add labels:
List of shortcuts : ?

3) Create new components as necessary



How to load the new library in Eeschema: Preferences → Component libraries Component library files → Add Select your .lib file

to new library

Create new library and save current footprint

4) Create and assign footprints

Save footprint in /

active library

component into / current library

Footprint Editor If editing an existing library: Select active library New footprint / Load footprint from library Draw component Add pins

Run CvPcb to associate components and footprints

How to load the new library in CvPcb: Preferences → Footprint libraries Append with wizard Select your .pretty folder Generate netlist

Pcbnew: design the layout

Design Rules → Design Rules + Layers Setup
Read netlist
Move item ¹ : $\qquad \qquad \qquad$
Grab item ¹ : $\qquad \qquad \qquad$
Copy item :
Rotate item: \$\frac{1}{2} + \big
Add tracks:
Add via: V
Switch posture:
Switch track width:
Drag track:
Fill zones:
3D viewer: Alt (+ 合Shift)+3
¹grab keeps connections, move doesn't
(Only for AZERTY keyboards)

Danisus Dulas Danisus Dulas Danisus Catum

6) Export Gerbers

File → Plot		Bick
Generate Drill File	+ Plot	Check result using GerbView