KiCAD StepUp goes to a new level of ECAD / MCAD Collaboration and Synchronization:
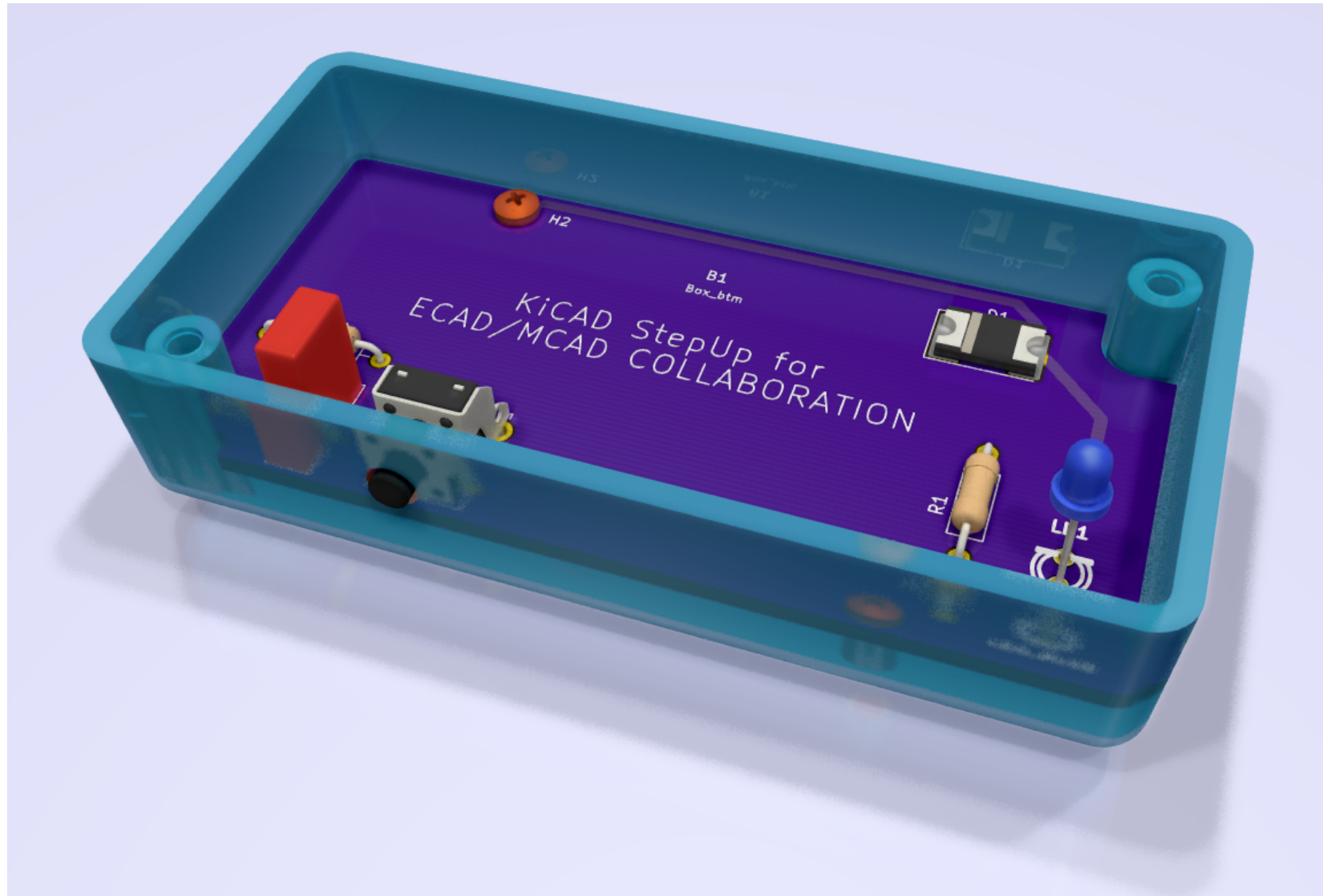
KiCAD StepUp goes to a new level of
ECAD / MCAD Collaboration and Synchronization:

- Push/Pull 3D model placement from/to KiCAD board
  to/from FreeCAD mechanical design.

FreeCAD

KiCad

KiCAD StepUp goes to a new level of ECAD / MCAD Collaboration and Synchronization:

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- It is possible to move 3D packages around on the 3D PCB mechanical sw, via both the X and Y axis.

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- Tracks will not be touched by the placements done in the MCAD sw. All the routing will remain in KiCAD.

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Syncing between ECAD and MCAD can be done for:

- changing the shape of the board
- changing the placement of 3D component models

FreeCAD

KiCad

KiCAD StepUp goes to a new level of ECAD / MCAD Collaboration and Synchronization:

- The syncing process can be done even if the board is (fully) routed (i.e. when a new release requires some mechanical reviews).
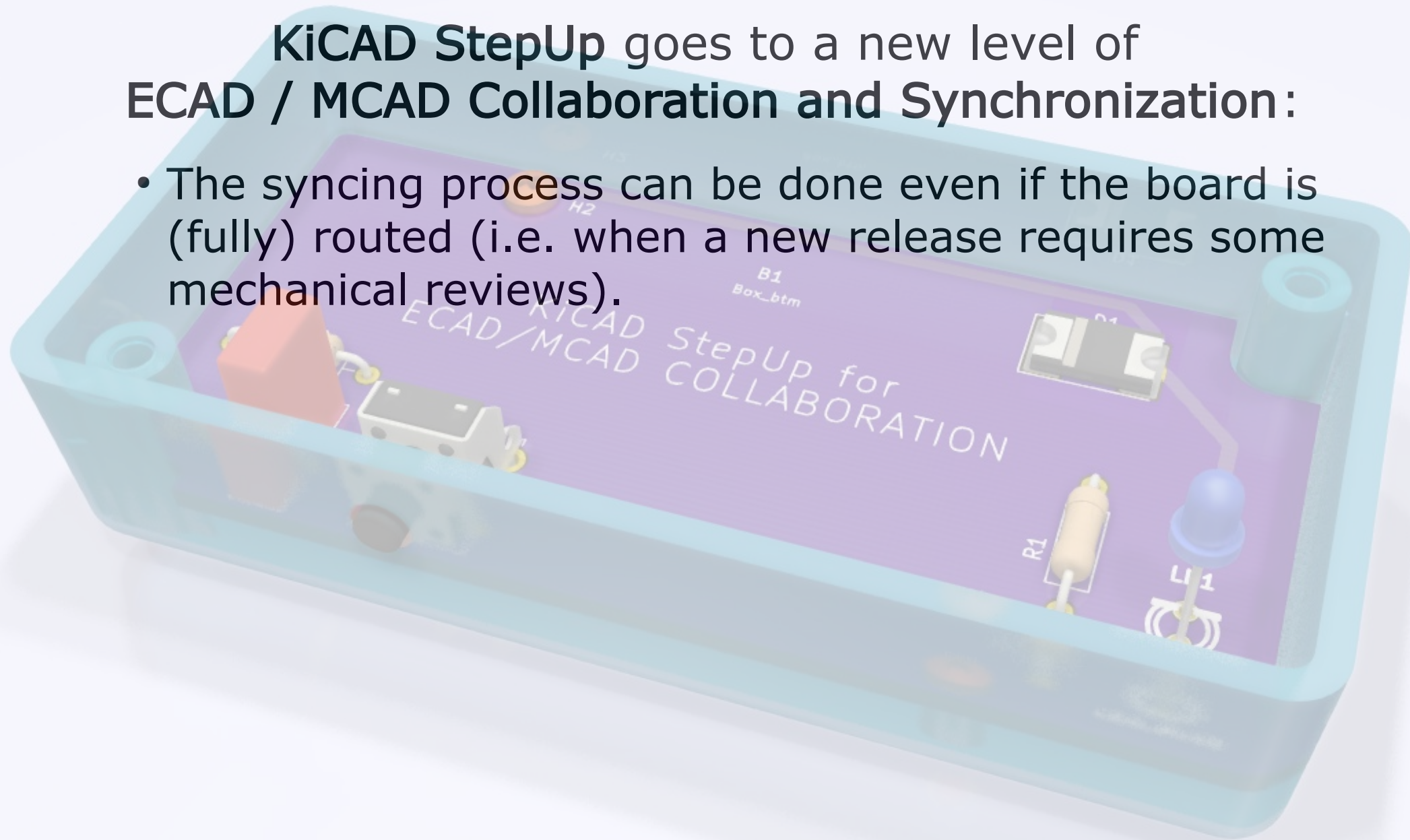
KiCAD StepUp goes to a new level of
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1) Pull KiCAD board inside FreeCAD

2) Move and Align the 3D model to the new placement in the enclosure

3) Arrange the components nearby the new placement

4) Move and Align the mounting holes to the enclosure support

5) Sync the kicad_pcb board file within the new design

6) Check the result inside KiCAD and reroute the tracks that are affected by the new placement

FreeCAD

KiCad