
Kicad EDA to MCAD exporting

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1. Kicad EDA to MCAD exporting

With **kicad StepUp** script, it is possible to work in kicad EDA with the same component model data available in the **STEP AP214 3D format**, and obtain a 3D STEP AP214 model of the pcb board and a complete board assemblies with electronic modules, to be used for **MCAD interchange**.

The accurate 3D visualization of components on board assemblies in kicad 3dviewer, can then be maintained in the same accuracy and aspect in STEP AP214 format, just generating VRML models from STEP or FreeCAD mechanical models and exporting the board through kicad StepUp script.

The **kicad StepUp** script maintains the usual way to work with kicad, but improves the process to work in a collaborative way with mechanical designers bringing near ECAD and MCAD environments.

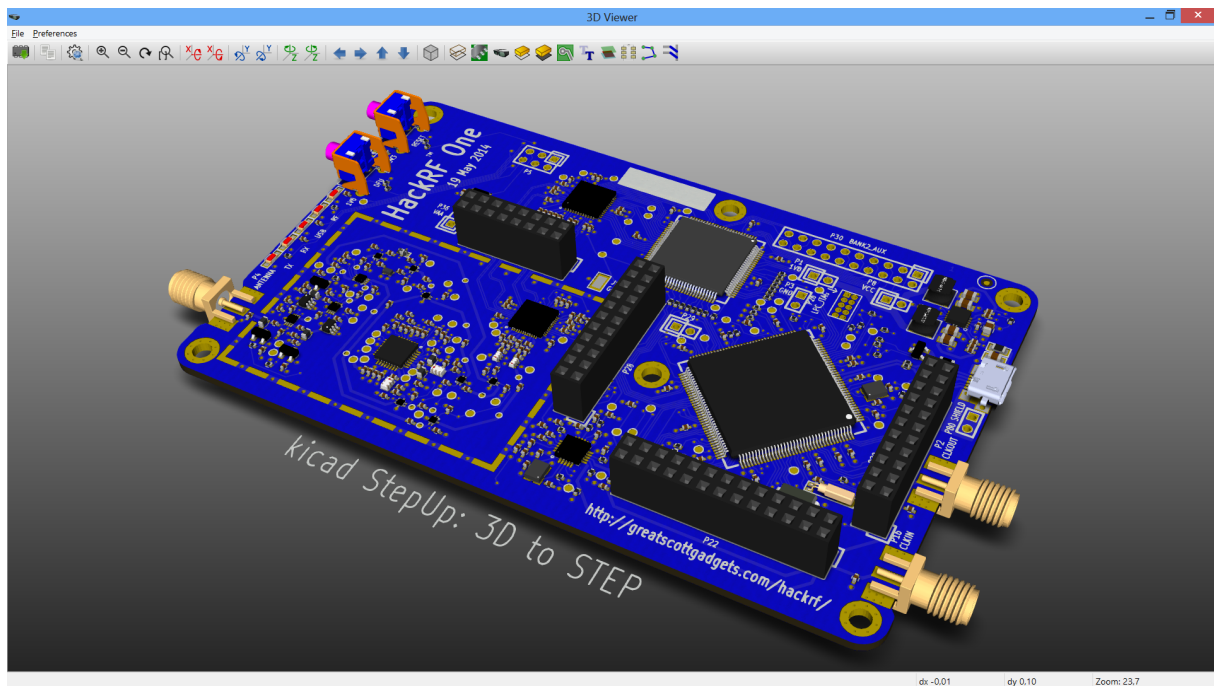


Figure 1. Kicad 3dviewer with VRML models (coming from STEP models)

2. Kicad assemblies in MCAD

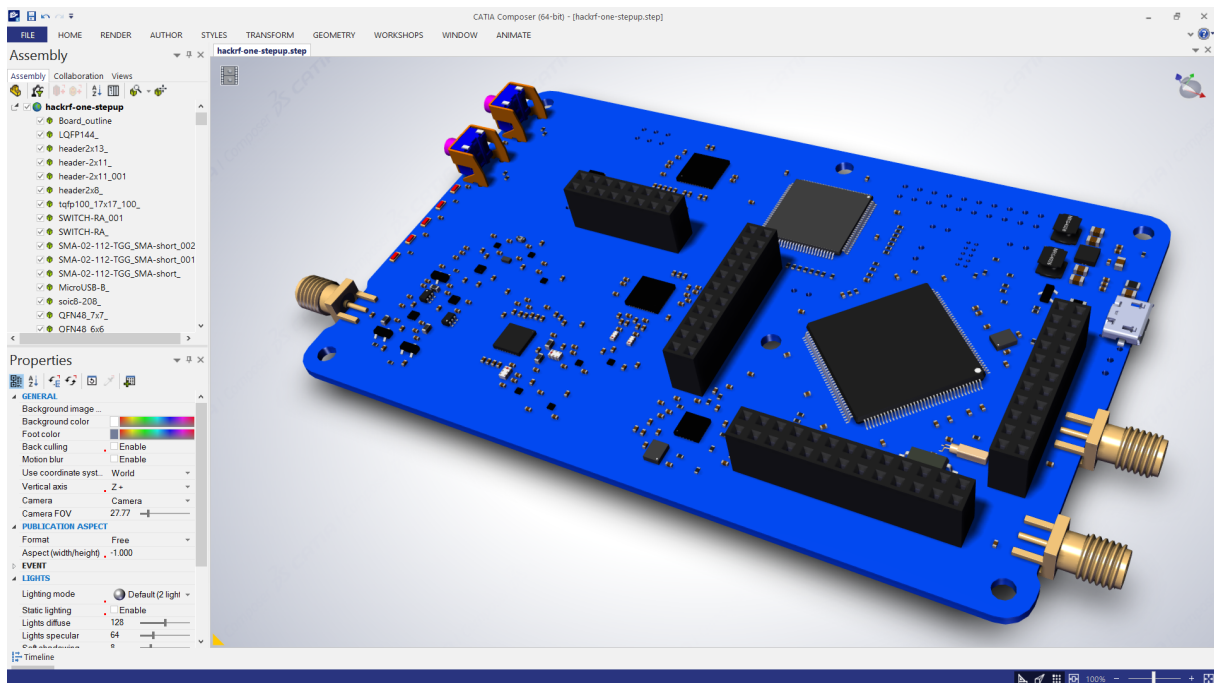


Figure 2. MCAD board assemblies in STEP AP214 (exported with kicad StepUp)