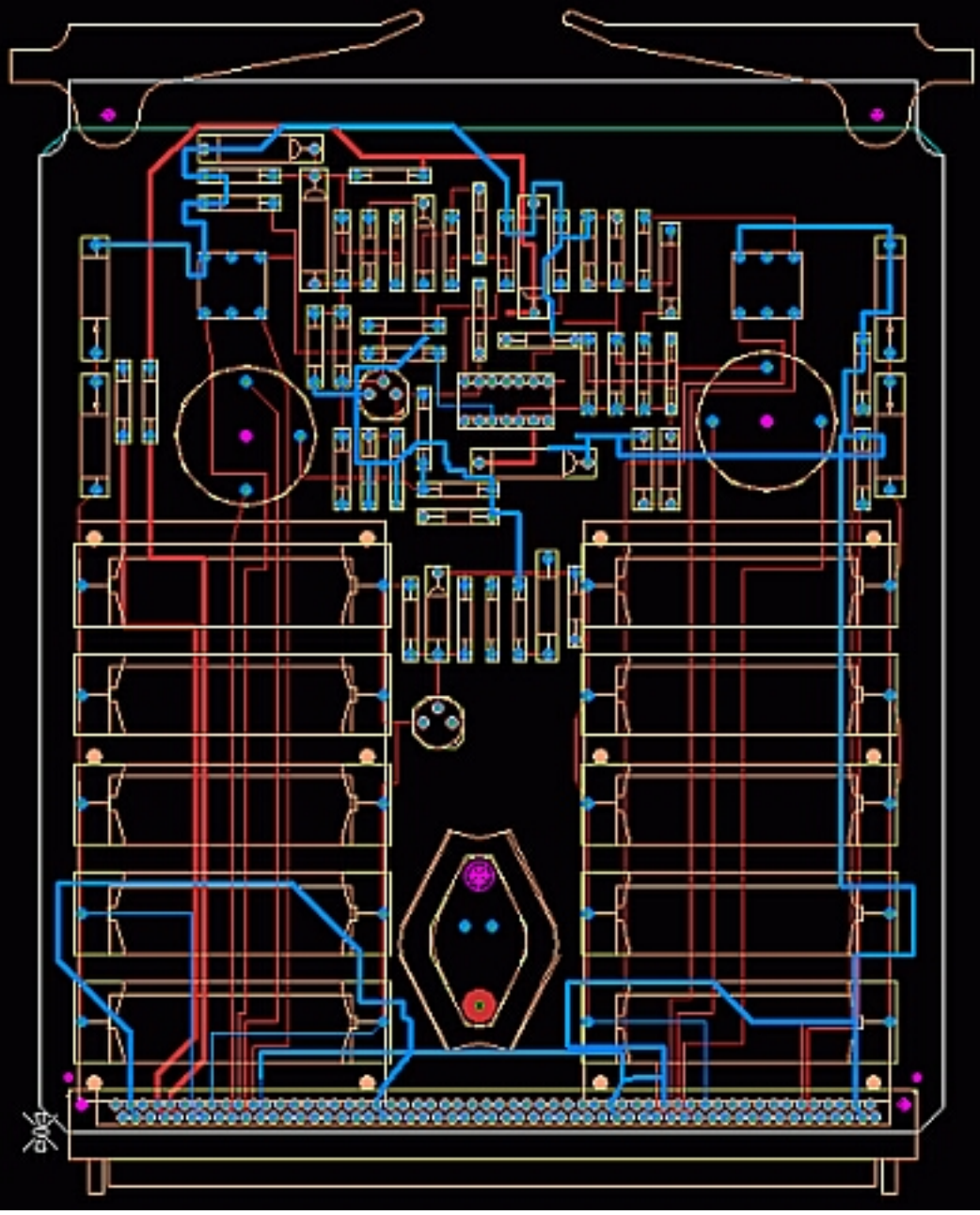
Cable db

From WikiSTEP

This example is a part of ElectroMechanical Pilot (http://empilot.aticorp.org/) test cases.

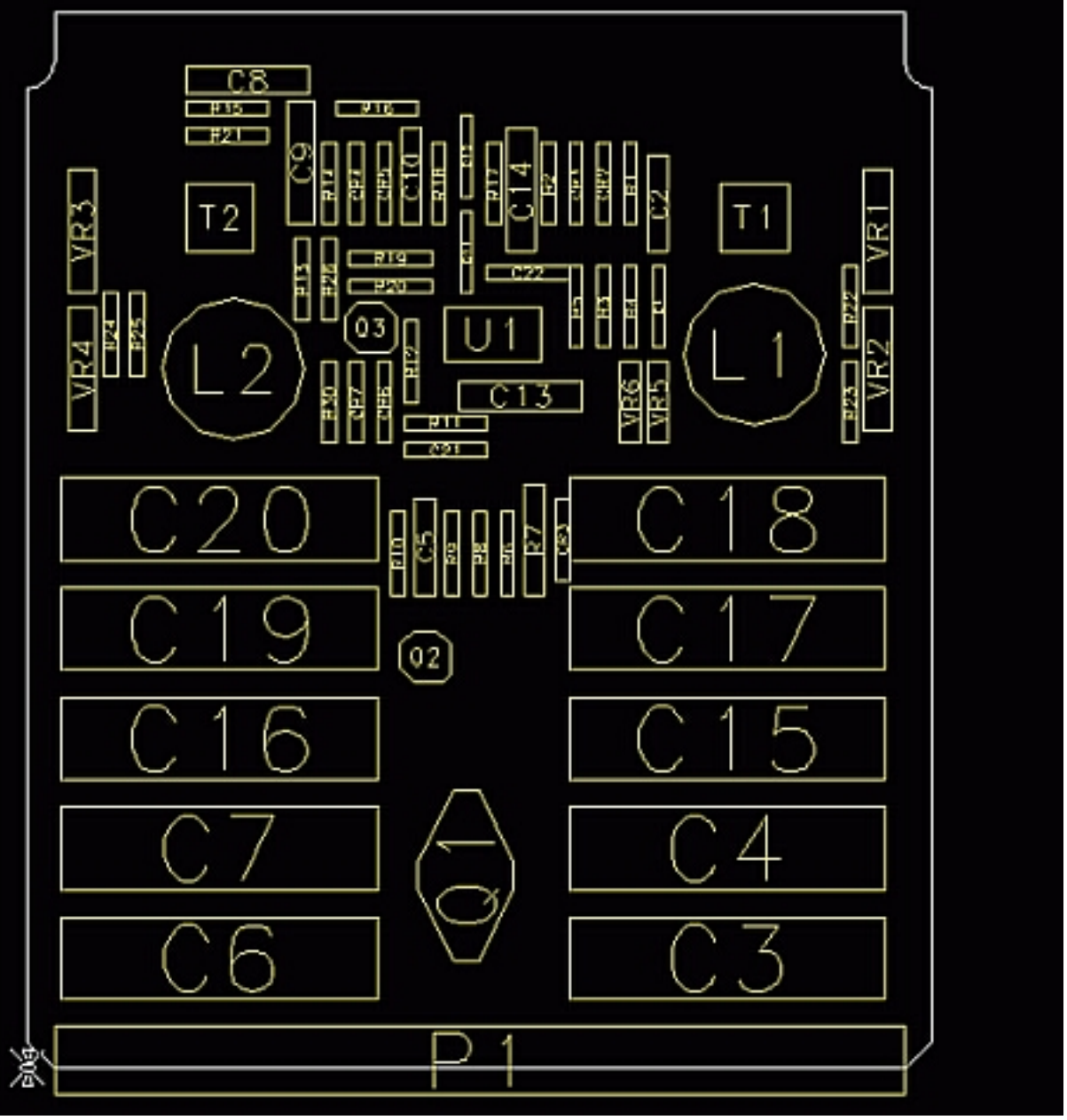
Contents

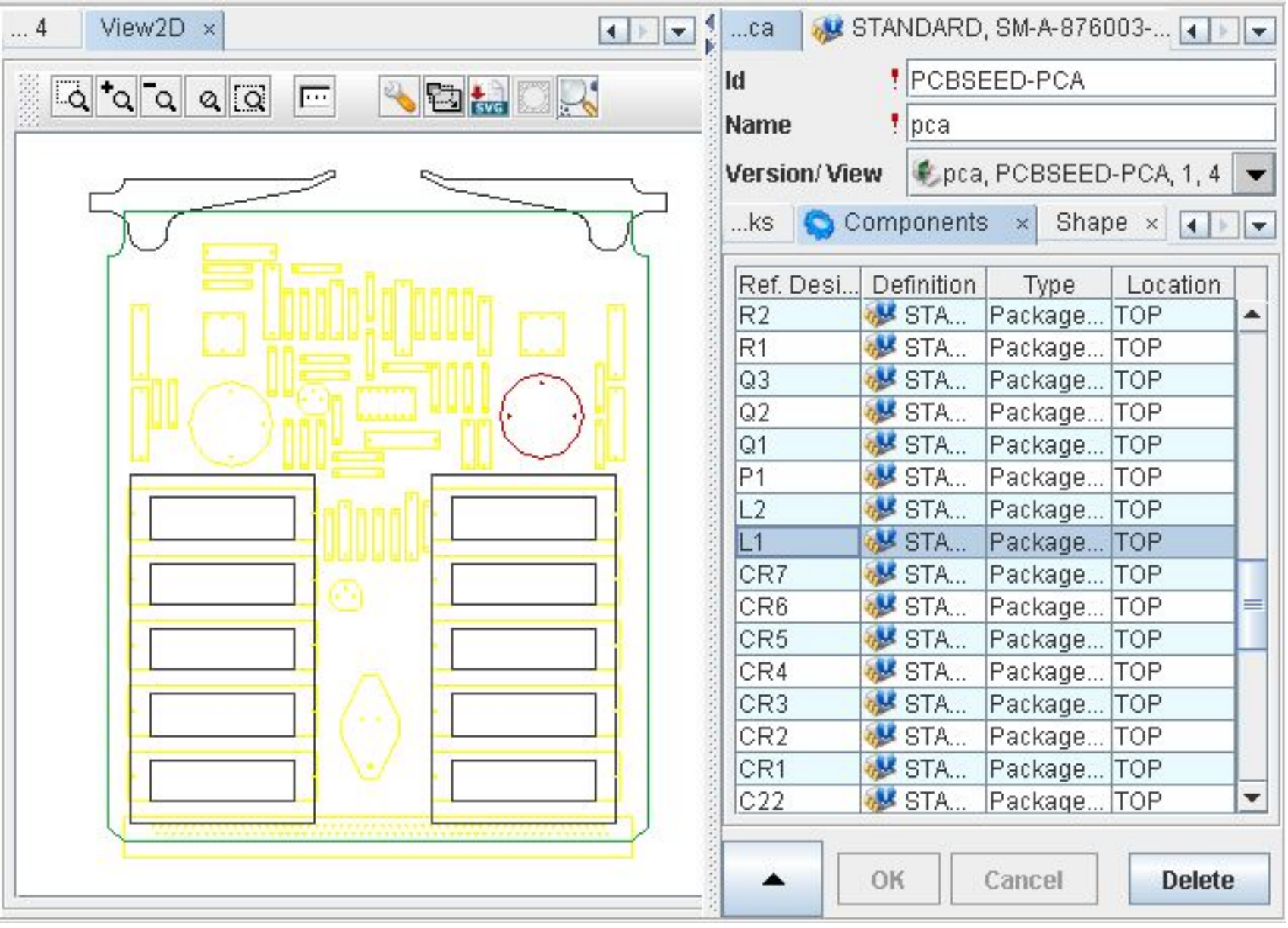
1 Example: Mentor Boardstation pcb view



2 Example: Mentor Boardstation pca view

3 Example: STEP-Book AP210 with PCA design view

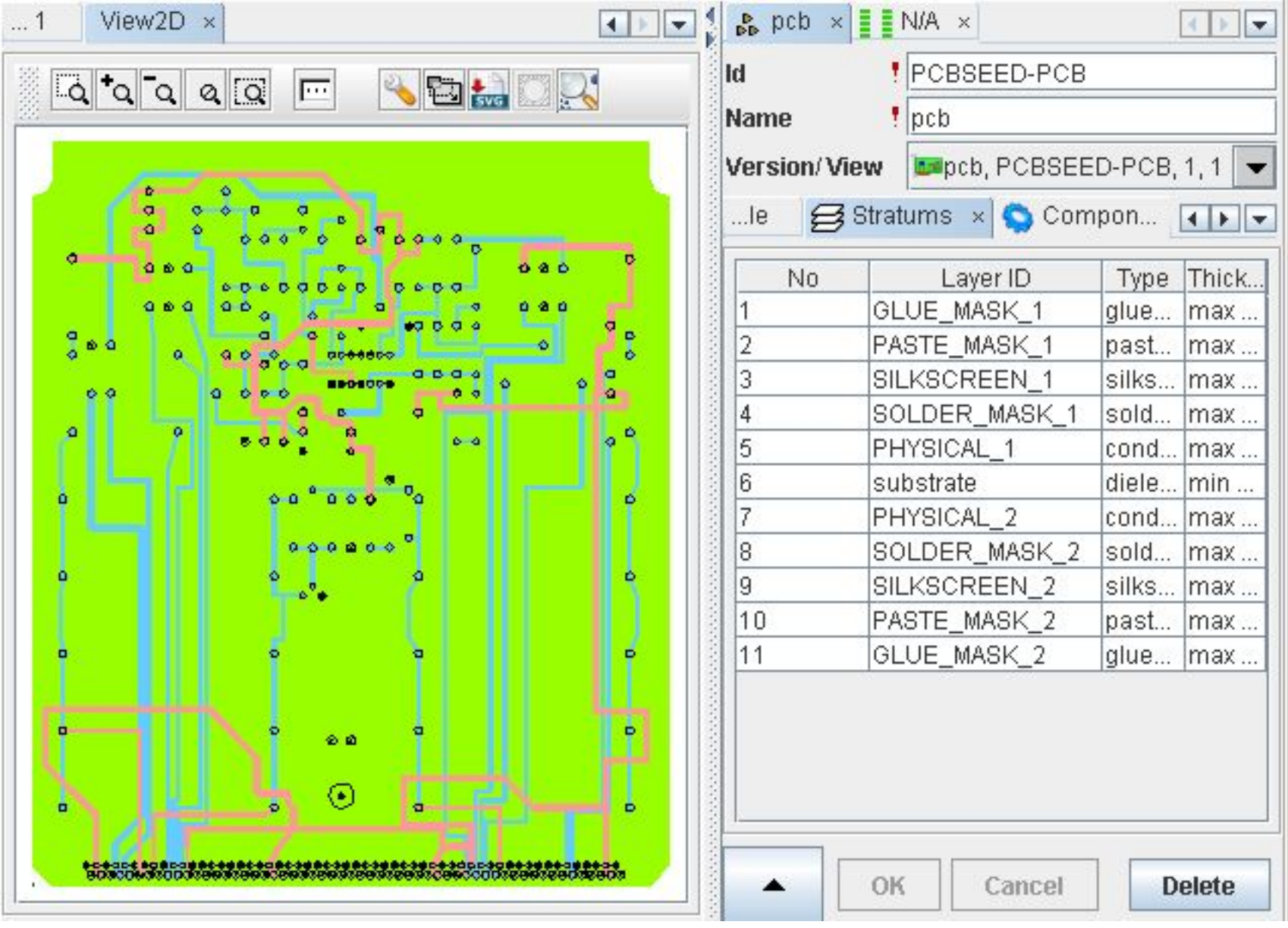




Meanings of colours:

- **black** - physical component;
- **lime** - interconnect module components: surface feature, terminal;
- **yellow** - packaged component joint terminal, package body;
- **red** - highlighted L1 packaged component.

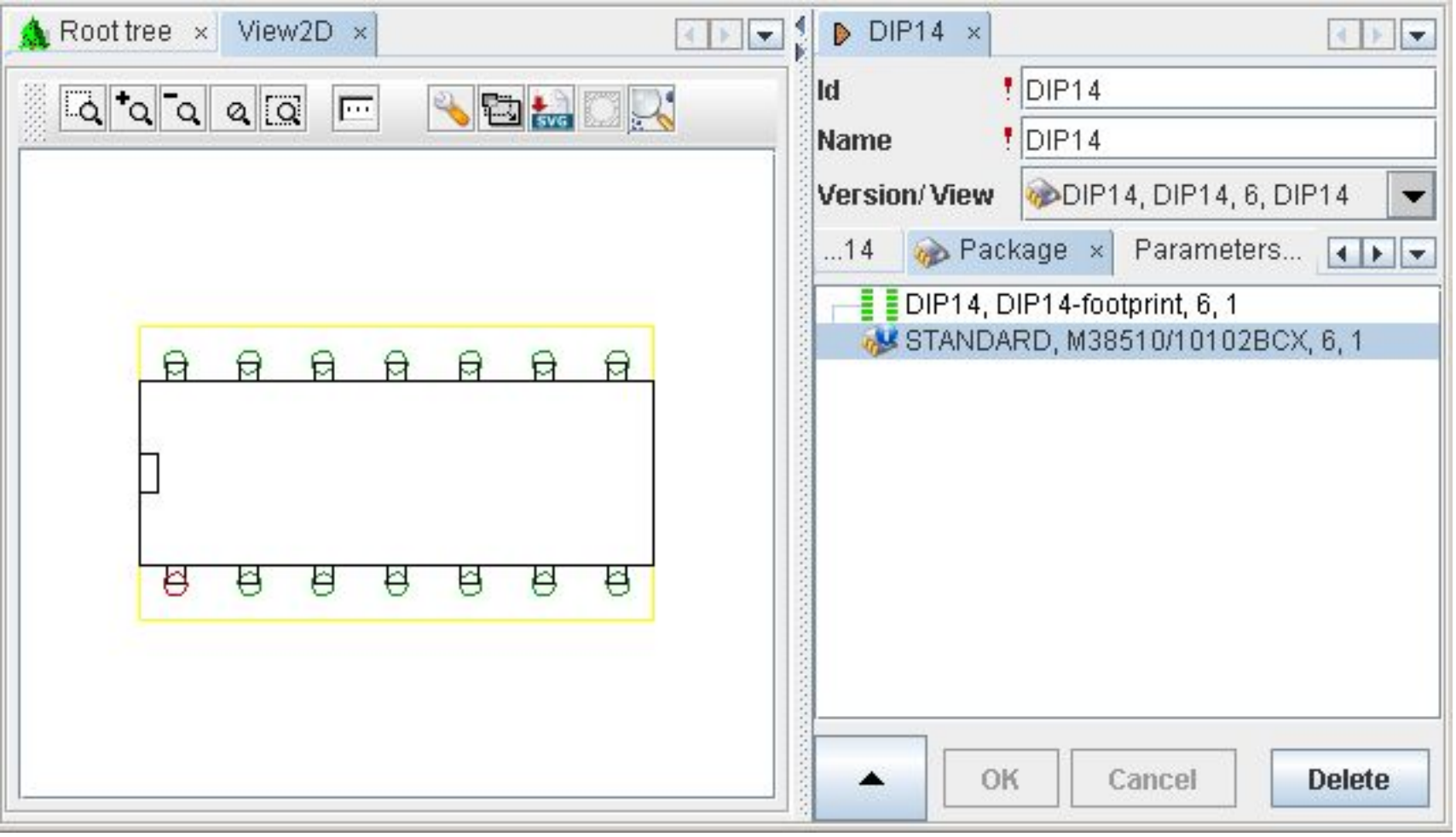
4 Example: STEP-Book with PCB design view



Meanings of colours:

- **black** - component termination passage;
- **light red** - design layer stratum (PHYSICAL_1);
- **light blue** - design layer stratum (PHYSICAL_2);
- **dark green** - Solder Mask;
- **lime** - interconnect module (PCB usage view): cutout surface, edge surface.

5 Example: STEP-Book AP210 with graphic view of DIP14 package



Meanings of colours:

- **green** - package terminals;
- **red** - highlighted package terminal (1, Generic);
- **yellow** - package body;
- **black** - assembly symbol.

6 Example: Statistics

6.1 Statistics for Assembly Module (PCA)

Number of:

- packages: 19
- packaged parts: 39
- packaged component: 72
- packaged component terminals: 279
- physical connectivity definitions: 46

6.2 Statistics for Interconnect Module (PCB)

Number of:

- physical networks: 46
- stratums: 11 (design: 2, docu: 8)
- interface terminals: 277

- component termination passages: 277
- contact size dependent lands (SMD-pads): 0
- vias: 0
- conductive interconnect elements (tracks): 151
- conductive filled areas: 0 (connected:0)
- entity instances AIM: 33564

7 Example: STEP Files

- Cable_db.stp - the result of the conversion is available in AP210 file format
- Cable_db_214.stp - the result of the conversion is available in AP214 file format
- Cable_203.stp - the result of the conversion is available in AP203 file format