

Surface mount flasher

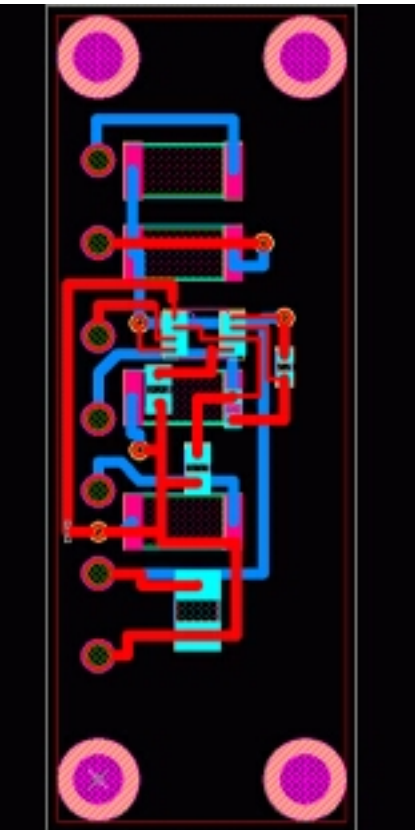
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This example is a part of ElectroMechanical Pilot (<http://empilot.aticorp.org/>) test cases.

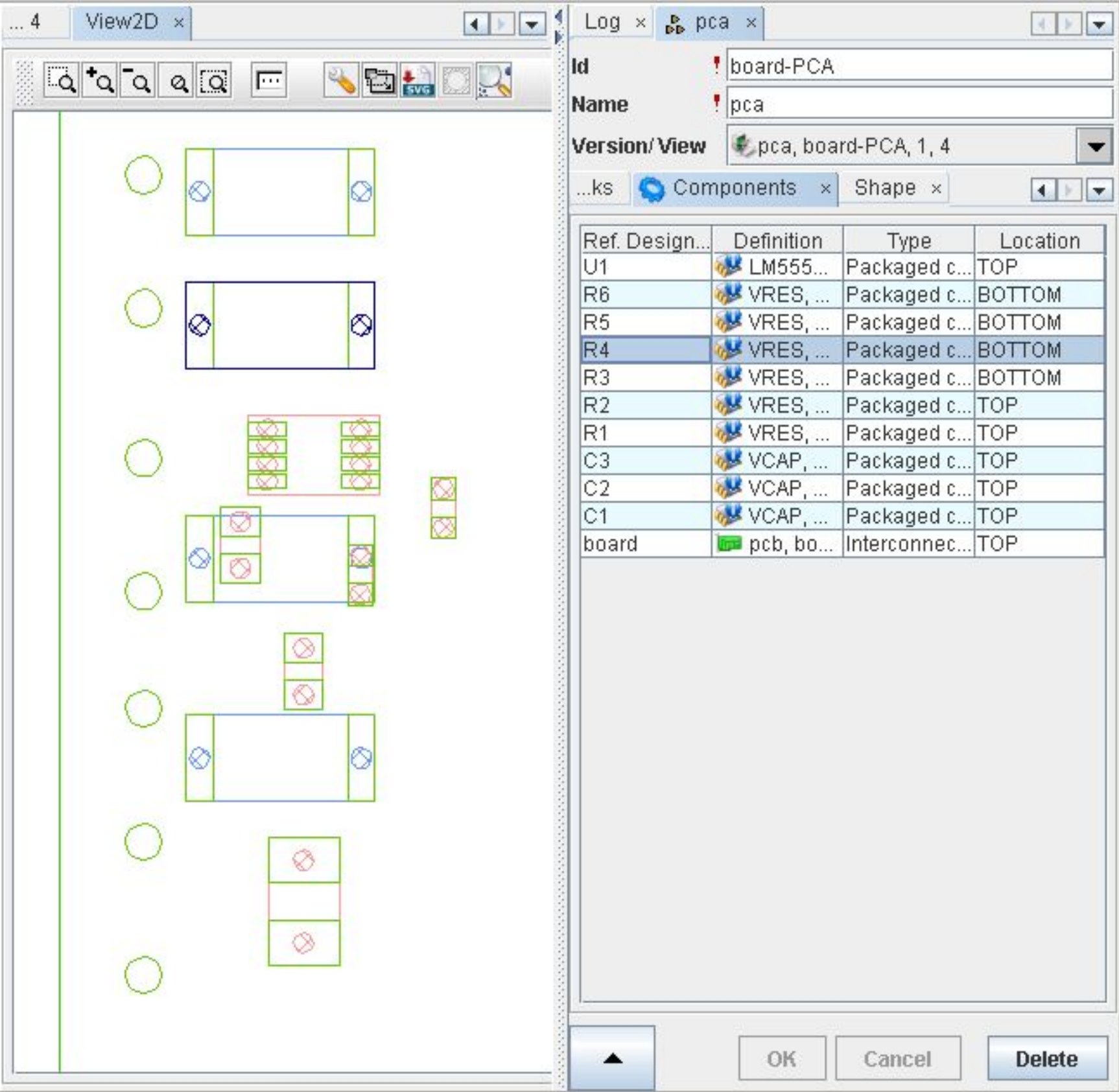
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1 Example: Mentor Boardstation layout view



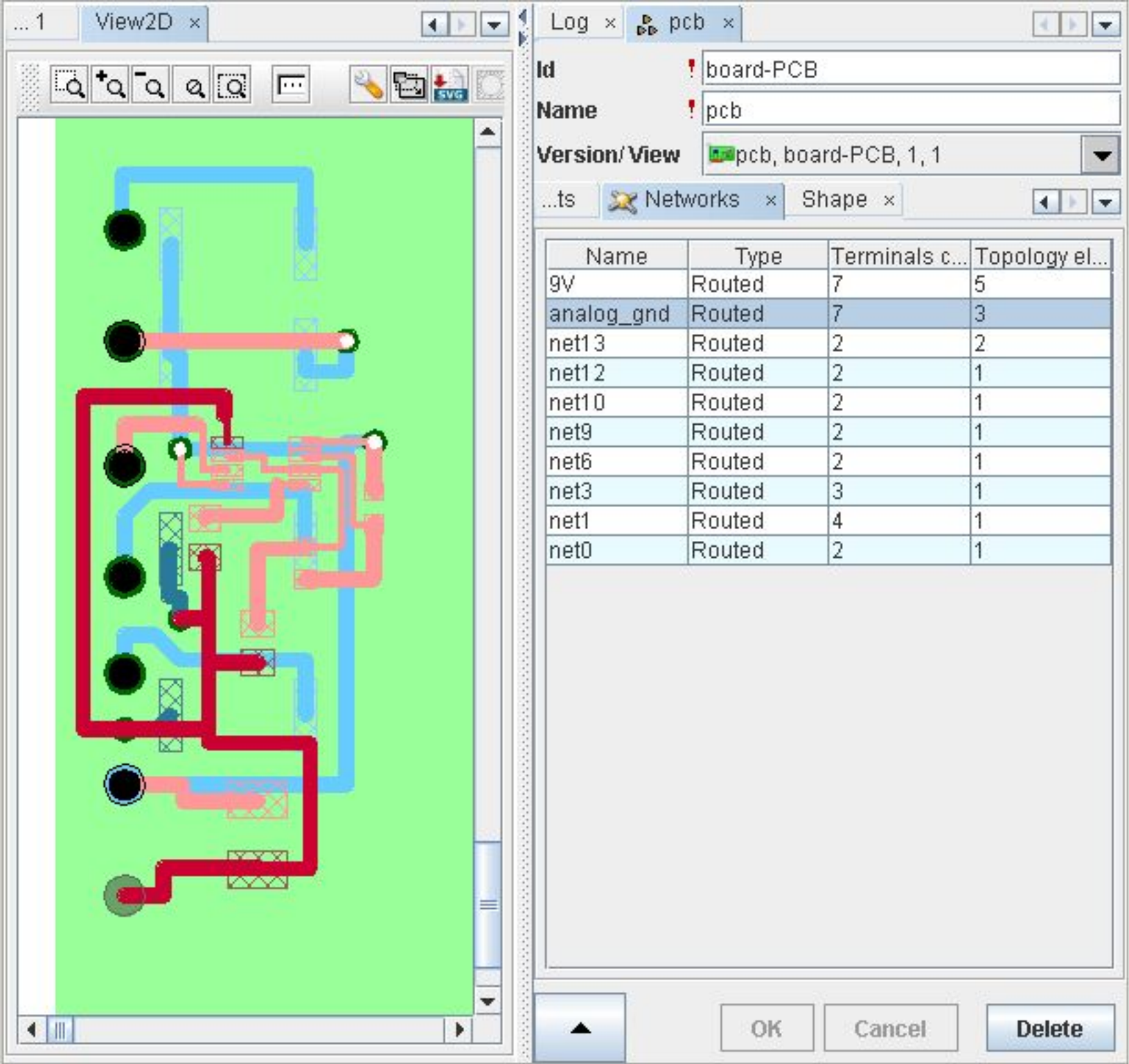
2 Example: STEP-Book with PCA design view



Meanings of colours:

- **green** - interconnect module components: surface feature, terminal;
- **light blue** - Bottom package component:
 - cross filling - joint terminal;
 - boarder - package body.
- **light red** - Top package component:
 - cross filling - joint terminal;
 - boarder - package body.
- **dark blue** - highlighted packaged component (R4).

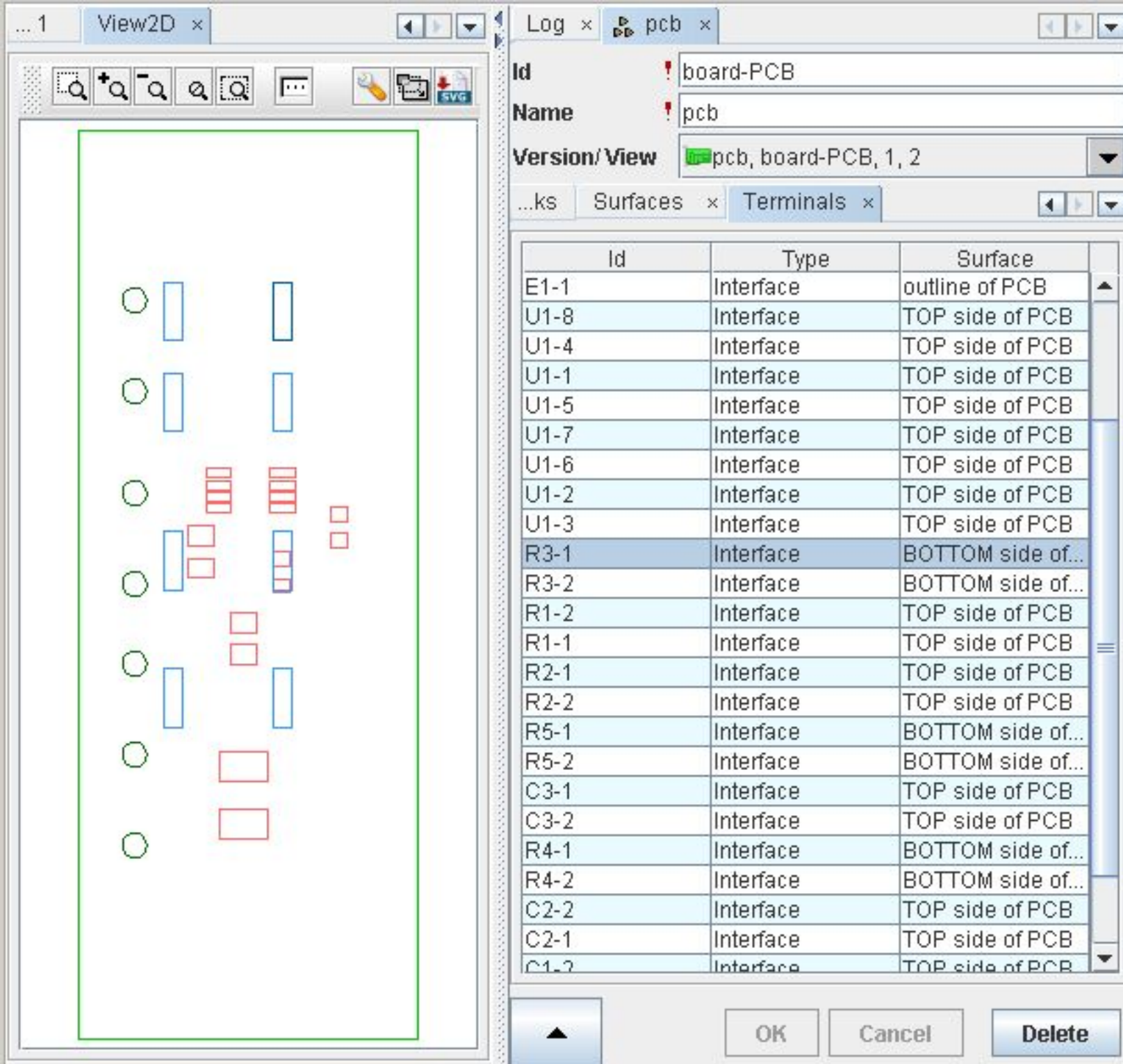
3 Example: STEP-Book with PCB design view (highlighted network)



Meanings of colours:

- white - interfacial connection
- black - component termination passage
- light red (also cross filling) - design layer stratum (LAYER_1)
- dark red - highlighted network (ANALOG_GND)
- light blue (also cross filling) - design layer stratum (LAYER_2)
- dark green - Solder Mask
- green - interconnect module (PCB usage view): cutout surface, edge surface

4 Example: STEP-Book with PCB usage view



Meanings of colours:

- **light blue** - secondary surface terminals
- **dark blue** - highlighted secondary surface terminal (R3-1)
- **light red** - primary surface terminal
- **green** - interconnect module cutout surface
- **dark green** - interconnect module edge surface

5 Example: Statistics

5.1 Statistics for Assembly Module (PCA)

Number of:

- packages: 12
- packaged parts: 7

- packaged component: 10
- packaged component terminals: 26
- physical connectivity definitions: 10

5.2 Statistics for Interconnect Module (PCB)

Number of:

- physical networks: 10
- stratum: 11 (design: 2, docu: 8)
- interface terminals: 33
- component termination passages: 7
- contact size dependent lands (SMD-pads): 26
- vias: 5
- conductive interconnect elements (tracks): 35
- conductive filled areas: 0 (connected:0)
- entity instances AIM: 17370

6 Example: STEP Files

- SurfaceMountFlasher.stp - the result of the conversion is available in AP210 file format

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