UcamX v2022.09

Fixed issues

Your continued feedback is important and appreciated. This version resolves the following issues you have raised with our Customer Care department.

Editing Tools: Distort

- Optimized handling in Distort on overlapping regions.
- Improved recognition of inner and outer contours while merging during distort.

Editing tools: Drill Tool Manager

- Drill Tool Manager will now handle arcs correctly and will not abort.

Editing tools: Rout

- Performance of running some edit tools, such as modify corner, of Rout Manager has been improved. Editing some jobs was taking some time for being completed.
- Removal of redundant objects connecting correct traces.

Electrical Test: Testpoint Generation

- Pack recognition considered only the enclosing rectangle of the pads. Now surface is checked too.
- Optimized test pad generation.
- Correct testpoint generation.

Electrical Test: Utest

- SmartTest respecting correct testpoints.

FaultStation

- Faultstation Wizard transformation calculation corrected.

Input: Import Eagle

- Correct import of Eagle .brd files.
- Variable text is handled as expected.

Input: Import IPC-D-356A

- Reading IPC file containing a net name (NNAME parameter) that is too long (according to the IPC-D-356 specifications) was causing UcamX crash. Loading these files provides a warning message (in Messages Window) about the too long line(s) and the import is completed normally.

Input: Import ODB++

- Improved way how dynamic strings are handled.

- No crash in case of unexpanded text in ODB++ Input.Buffer overrun is fixed.

Netlist: Build

- Netlist Build is only using COMplex apertures for the True Objects allocated to flashes with TEXT apertures (TEXT aperture is flashed, so also the corresponding True Objects are flashes). This prevents potential problems when expanding True Objects in some situations with double flashed text strings.

Rout Manager

- Rout Compensating, with a value bigger then then the original size of the rout chain, could corrupt the image. Also these big values for rout compensation are correctly handled.
- Optimized rout compensation in case of unchained draws.

YELO Mask Adjuster

- Optimized handling of mask openings on multiple flashes and areas.
- Fiducials build as complex pads are handled if attribute "uFlashType: FiducialPad is set.
- Optimized markup of large SMD pads.
- BGA mask openings have priority to via pads on same coordinate.
- SMD mask openings have priority to via openings on same coordinate.
- Adjusting the correct via in case of 2 pads on one coordinate.