

Maintenance Report - v10.1.6

CAD Output

Gerber

B363617

Bug Fix

Gerber 274X output could cause Ucam crash. Crash has been noticed while generating stepped output of layers containing regions with inner contours. Gerber 274X output can be created successfully on these layers now.

MDA

B363281

Bug Fix

MDA output could write a POIN in the first scratch layer for the negative DPF contour which clears the area for the PCB in the panel.
This is now a POEX again for having the expected image on the film.

Editing

Transform

B362834, B362835

Bug Fix

When inserting a break, in a draw or arc, or dragging a draw or arc having a object attributes defined, the new split objects or the dragged object were not having the object attribute anymore. The object attributes are preserved now after running the

Editing Tools

Contours

BB03032

Bug Fix

Exact Contourize, on a 64 bit machine, could lose certain clearance, issue has been noticed on data composed by slightly overlapping reverse objects. This kind of constructions are now also correctly handled on a 64 bit machine.

BB03109

Bug Fix

Exact Contourize could modify the image when running the function on certain constructions (data composed by touching flashes with reverse circular apertures). This kind of constructions are now correctly contourized.

BB03268

Bug Fix

Exact contourize could change the image, a clearance was disappearing in certain configurations of contourize.analytic.arc.expand.margin. The clearcance is not longer disappearing.

Issue was noticed while expanding True Objects on a layer

BB03270

Bug Fix

Exact contourize, in default ucam.db configuration, could change the image, with certain values of contourize.analytic.arc.expand.margin the image remained unchanged. Also with default configuration the image is now remaining unchanged.

Issue was noticed while running Netlist on a layer containing slightly overlapping circular flashes on top of a background region.

BB03278

Bug Fix

Running Exact Contourize on selected objects could be losing some regions when running the contourize function twice (rerun on contourized regions). Issue was noticed while contourizing selected contour regions in combination with selected painted area. Contourizing these selected objects different times is preserving the image.

Expand

B363088

Bug Fix

Block Expand could lose the aperture name that was defined on

apertures in nested blocks. All aperture names remain now while expanding blocks.

Rout
B363205
Bug Fix

Delete Double, in Tools tab of Rout Manager, running on selected objects was doubling the objects that were not selected. Delete Double is no longer adding objects.

Input

Gerber
BB03223
Bug Fix

Gerber input could be missing a clearance, composed by 2 arcs when both endpoints of the arcs are very close to each other (1 digit of the Gerber resolution and this in combination with high accuracy of the Gerber file). These clearances are now correctly

BB03251
Bug Fix

Display in Outline mode after input of an external file containing invalid arc definition(s) could confuse the image (big arc were indicating objects that cannot be found in the layer). These arcs are now better handled while importing so that the image of the layer mode can be displayed normally, also in Outline display mode.

Import ODB++

B363542
Bug Fix

ODB++ Import of job with incomplete info file (misc\info) could give Java exception which prevents loading the job. These ODB++ jobs can be imported now.

BB03258
Bug Fix

The performance of opening the Import ODB++ Steps menu could be poor when the data is stored on and external data server (performance was still OK when the ODB++ jobs are stored on the local machine) and there are many ODB++ jobs in the indicated Base Path. The performance became worse with increasing amount of ODB++ jobs in the Base Path. The issue has been noticed with over 1000 ODB++ jobs in the indicate base path on an external data server.

The performance of displaying the ODB++ jobs has been improved in case the content of the folders should not be analyzed (odbxx.input.postponefilter: 1).

Job Editor

Layers
BB03277
Bug Fix

UNDO after Layer Merge was not correctly restoring the image of the layer that was displayed in red at the moment the layers were merged, some objects of the other layers were remaining in the layer. UNDO is restoring the initial situation.

Panelization

PanelPlus
BB03272
Bug Fix

Translation of text codes, while running PanelPlus, could not be completed in case the Code is part of the text string (next to other character in the same text string) that is created by a TEXT aperture. These codes can be translated correctly again.

PowerRIP

mlfdpf
B363562
Bug Fix

Submitting a layer, with Negative polarity and applying a rotation,

was incorrectly rotating the background for the image. Issue has been noticed local Film Merge function in SmartPlot. The background is again having the same rotation as the image exposed with negative polarity.

SmartPlot

BB03285

Bug Fix

SmartPlot Standalone was saving the Layout in a file by using lower case character although loading the file, while starting the product, was looking for upper case character. The case sensitive Linux platform was not finding the properties file. Save Layout is now respecting the case sensitivity for the properties file.

Verification

Design Rules

B362082

Bug Fix

Running DRC on a job that was loaded using a UNC path indicated that no errors could be found, but in fact the verification failed because the CFG file could not be found (mentioned in the messages window). Also jobs that are loaded by using their UNC are now correct verified by DRC.

B363238

Bug Fix

After changing the current unit and selecting between different classes Smart Design Rule Check was not always displaying/using the correct values, as stored in the .cfg files. The test parameters are now correctly following the modifications made to the current

BB03290

Bug Fix

Smart Design Rule Check was not always displaying the defined Classes, of the selected Configuration (.cfg file), in the sequence as defined in the Configuration. Initially the sequence of the Classes represents the order of the cfg file, but after switching between the configurations and/or running a test and return from the Results to the Setup section of SmartDRC, the order could be disturbed. Smart Design Rule Check now always represents the sequence as defined in the selected Configuration.

Net Compare

BB03271

Bug Fix

While stepping through the errors resulting from Net Compare on a job that was created from ODB++ Import, the system could be highlighting all the nets in the job. Only the nets, involved to the indicated violation, are highlighted again.

View

Zoom

B363250

Bug Fix

After running a Spread and Choke (Thicken and Thin), using option Rounded, on selected contour regions was not always displaying all regions (regions that were not transformed could be missing when the transformed regions were fully outside the displayed viewport). Repainting the viewport was displaying all regions again. Also after running the transform the regions that remains unmodified remain displayed.