Maintenance Report - Ucam v10.1.9

CAD Output

DPF, Save layer

BB03383

Bug Fix Saving a DPF file could introduce a BLOck aperture definition that refers to another BLOck aperture definition (because the content of both blocks are identical) which is not yet available in the saved DPF file, which causes problems while re-loading the saved DPF file. Saving the layer has been reviewed in a way that BLOck aperture definitions can only refer to previously defined BLOck aperture

Gerber

BB03390

Bug Fix Ucam could crash while running Gerber 274X output on certain layers. Issue was noticed on layer containing Vector Text objects and other objects with identical aperture definitions, but different apertures in the aperture list. Gerber output can be generated successfully on these layers.

BB03420

Bug Fix Depending on the zoom factor of the displayed image in Ucam Gerber out could incorrectly apply the filling with vectors of some objects. Issue was noticed on the resulting vectors after filling certain text strings. Gerber output is not longer suffering with the actually applied zoom factor, when certain objects needs being filled with vectors.

ODB++

B364384

Bug Fix ODB++ output could cause Ucam crash. These crashes have been noticed on job containing layers on which the uPCB attribute, with same attribute value, is allocated on nested block aperture that cannot being output in the same ODB++ step definition. ODB++ output of these jobs can now be created successfully, different steps are generated for these blocks.

Editing

Transform

B364485

Bug Fix Transform Spread & Choke is preserving the aperture names that were stored on the original aperture definition. Previously some aperture names were lost during the transformation.

BB03419

Bug Fix Displayed image, in Filled mode, of full circle, embedded in BLOck aperture on which Scaling has been applied, could be incorrect, Scale factor seems not applied correctly. These constructions are correctly displayed.

Editing Tools

Contours

B364628

Bug Fix Exact Contourize of on certain data could cause Ucam crash on a 32 bit machine, when the function can be completed normally on a 64

bit machine. Also other functions could be running into memory problems when running a 32 bit Ucam version on a 64 bit machine. The memory configuration on a 32 bit installer has been reviewed for better handling these functions on a 32 bit Ucam build.

Fill Vector

B364281

Bug Fix   Vector Fill, by using default configuration, could allocate all available memory till the system was not reacting anymore (system needed being restarted). These constructions can be filled successfully now, by using Fill Vector in default configuration.

B364702

Bug Fix   Vector Fill, by using default configuration, could add addition copper outside the original image. On other constructions the function was causing Ucam crash. These constructions can be filled successfully now, by using Fill Vector in default configuration.

Electrical Test

Utest

BB03267

Bug Fix   Test point generation could fail on certain jobs, all available memory gets allocated and the system needs being restarted completely. Test point generation on these jobs can be completed with a reasonable amount of allocated memory..

HyperTool

B364694

Bug Fix   HyperTool functions Uiobj.cO.get("uisel_add") and Uiobj.cO.get("uisel_sub") are again behaving normally, certain versions were returning NULL.

Input

Gerber

B364599

Bug Fix   Importing a Gerber file could be missing a clearance when the operator was notified for self-intersecting contours. Issue has been noticed on a clearance that is created by not fully coincident cut-in segments (cut-in created by narrow V-shape).
The conversion of these Gerber files are now displaying these clearances.

BB03395

Bug Fix   Non-ASCII characters are now better supported as part of the path and filename of loaded files.

Import ODB++

BB03401

Bug Fix   ODB++ Import of data containing surface features that have very short tracks could be missing some holes (containing some very short tracks) in the surface features. The conversion of these ODB++ jobs can be completed as expected, all holes that were

IPC-D-356

BB03393

Bug Fix   Import of blind via hole records of an IPC-D-356A file could add

objects to the netlist reference layer of the top side of the job, although the bind via was drilled at the bottom side. Blind via hole records are only adding references to the side of the job where the blind via hole appears.

Netlist
Build
BB03398

Bug Fix Building Job Netlist could be delayed drastically while calculating the TrueObjects on contour regions of the silk layer. The performance of building the TrueObjects has been improved.

Netlist Output
IPC-ATG
BB03400

Bug Fix Output Netlist IPC-ATG of drilled test feature, with different pads in the copper layers on both sides of the job, could specify the feature size of the top pad for both sides of the job. Also IPC-D-356A output could, in certain configurations of the applied Resource file, suffer with similar incorrect size and shape of the test feature on the bottom side. Output Netlist is now correctly specifying the test features at both sides of the job.

BB03403

Bug Fix IPC-ATG output could cause Ucam crash when outputting blind/buried vias (307/007 records) for stepped images. These crashes have been resolved.

PowerRIP
mlfdpf
BB03406

Bug Fix Submitting certain data to a FlashRIP at certain plot resolutions could be missing parts of a contour used for the frame, with other resolutions the frame is completely exposed. These frames are now correctly exposed.

SmartPlot
BB03388

Bug Fix Selecting a different Host and/or Plotter Configuration in the Detailed View of the Merge Queue section of SmartPlot could be clearing or resetting the Plotter Configuration and/or Resolution, even if the configuration and/or resolution are also available for the newly selected Host or Plotter Configuration. Changing these plot parameters is now trying keeping the current configure plot parameters unchanged, in case would result in an unsupported combination certain parameter will be cleared, but as much as

BB03397

Bug Fix Submitting an entry from SmartPlot Merge Queue into Plot Queue could be missing the value of certain plot parameters in Plot Queue section (information extracted from MLF file could be missing), although plotting itself behaves normally. This behavior has been noticed when both SmartPlot and RIP machine are running on Windows 7 machines. After restarting Ucam/SmartPlot all plot

parameters could be displayed correctly again. The SmartPlot data transfer has been reviewed so that also communication between Windows 7 workstations can display all plot parameters of the film in the Plot Queue section of SmartPlot, without the need for

View

Select

B364557

Bug Fix   Select Window by specifying the bounding box by the points of the Numbers menu is working correctly again.