Maintenance Report - v10.1.7

Editing Tools

Clipping

B362920

Bug Fix Clipping outside the outline could also deletes data inside the outline. This was noticed on jobs containing nested blocks on with certain transformation were applied. The clipping function is now correctly interpreting the transformations on the nested blocks.

BB03307

Bug Fix Clipping could change the image of nested blocks, when different transformations are involved on the different block levels. These transformations on the (nested) blocks are now correctly handled.

Contours

B363676

Bug Fix Exact Contourize could be "losing" some clearances, when the resulting contour is displayed in filled mode. Displaying the contourized image in Skeleton mode or after saving and reloading the layer all clearances were displayed correctly. Also the image after running exact contourize is again displaying all clearances.

BB03284

Bug Fix VHS command splitContour() was suffering with certain contour regions containing very small inner contours. After running the command certain regions were still having inner contours. These contours are supported better so that the resulting regions are not having inner contours anymore.

Drill Tool Manager

B362561

Bug Fix Some Java crash (ArrayIndexOutOfBoundsException) could be generated while making configurations in the Setup of Drill Tool Manager. These crashes have been resolved.

Silk Optimize

B363587

Bug Fix Silk Optimize function is now also being used on layers with subclass that is configured as an alias for the silk layer (configuration of extra.silk). Previously only layers with subclass silk were supported by the Silk Optimize function.

Electrical Test

Utest

BB03321

Bug Fix Staggering could fail with indication of "Pad too small for pin" error message(s), although the copper area is big enough for assigning a test pin. These (false) violations are not longer appearing and Probe Assignment can be completed normally again.

Error Manager

Errors

BB03295

Bug Fix UcamX, with dockable GUI, was not indicating the location of the violations (e.g. violations found by SmartDRC). UcamX is now

indicating all these violations, similar as the Ucam is indicating the locations.

HyperScript

B361978, B362047

Bug Fix VHS on Windows 64-bit Ucam was suffering with some random crashes when using the clipboard. These crashes have been

BB03292

Bug Fix VHS command duplicateLayer(), on layers of type Extra, is now allocating an unique index number to the duplicated layer. Previously all duplicated layers were getting index number 1.

Input

DXF

B363516

Bug Fix In certain configurations, DXF input was complaining about UNDefined apertures, although no UNDefined apertures could be found in the resulting layers. This confusing message is not longer given.

Gerber

BB03299

Bug Fix Despite the Gerber file specification clearly stating that every coordinate data block in a Gerber file must end with a D01 (draw), D02 (move) or D03 (flash) operation code, a number of CAD systems appear to generate Gerber files that do not conform to this rule. To better serve our customers who are confronted with this type of illegal Gerber files, we have enhanced the behavior of our Gerber RS-274X input. First of all, coordinate data blocks without operation code following a coordinate data block ending in a D03 operation code, are now flagged in error to bring the inconsistency to your attention. However, input will continue and treat these cases in line with some of the industryâ€™s leading third-party Gerber viewers.

BB03314

Bug Fix Conversion of Gerber files, with at the end of the file a reset to the origin, without operation code specified (Gerber files for which the conversion, in older Ucam versions, could be influenced by gerber.274d.jp), were not always following the enhanced behavior of our Gerber RS-274X input. These files are now also treated in line with the result obtained by the industryâ€™s leading third-party

Import ODB++

BB03301

Bug Fix ODB++ Import of job containing barcodes was always adding the additional text string to the barcode definition, even if the ODB++ barcode definition indicates that only the barcode should be added (and not the additional text). The conversion of barcodes, during ODB++ Import is now respecting the presence of the additional text string, as defined in the barcode definition.

IPC-D-356

B363695

Bug Fix Loading an IPC-D-356A file containing buried via holes (307

records) was adding reference points, for these buried via holes, to the netlist reference layer attached to the top side of the job.. These references could cause many false shorts and/or opens notified when performing the net compare, since the outer layer can contain a different nets at the location of the buried via holes. Loading these IPC-D-356A files is only adding references at the layers indicated by the feature lines of the IPC file.

Undo/Redo

BB02031

Bug Fix UNDO is better supporting manipulations that are influencing the object attributes.

E.g. UNDO after Scaling the text in Silk Optimize is restoring the original situation. Previously the uText attribute, which was allocate while defining the text was also disappearing while restoring the original text size.

Undo

B363618

Bug Fix UNDO after adding a layer, by using SmartStart, was not correctly restoring the original From/To information on the drill layer(s). UNDO, after adding a layer, is correctly restoring the original buildup of the job.

Verification

Copper Repair

BB03096

Bug Fix Copper Repair was not finding all Pinholes that were found with Ucam v7. Since Ucam v9.2.4 these Pinholes are found again.

View

Select

BB02626

Bug Fix Select Window could be missing a small arc, although the arc is fully inside the dragged window. Select Window is now also selected this small arc.