Release Notes GC-PowerPlace v13.3

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New Features

Undo/Redo

The number of actions that can be undone has been expanded. Previously, only the last action could be undone but in this release a number of actions related to data editing can be undone. The maximum number of actions to be undone can be set through a user-defined field located in the Options tab of the tools Customize function. As an additional aid, a Redo function has been added to redo previously carried out functions.

It should be noted that the undo list is reset when various actions are performed. These include Saving the GWK, deleting layers from the layer list and some major functions (Auto Convert Sketched Pads for example). Other functions would include removing unused apertures and drills where a message is presented to the user informing them that this action cannot be Undone.

Support for AutoCAD 2013

The DXF and DWG import functions now support AutoCAD 2013 format.

Plugin Automation

A number of new functions have been added to the Plugin Automation. Details can be found within the programming environment but are focused on DFM and Netlist Compare.

64bit Version now available

There is now a 64bit version available for download for any customer on a current support plan. Both the 32bit and the 64bit versions can be installed on the same computer. The 32bit version will install as v13.3.6 and the 64bit build will install as v13.3.8. The 32bit build will install into c:\Program Files (x86) by default and the 64bit build will install into c:\Program Files. The product names (for uninstalling) will be GC-PowerPlace 13.3.6 and GC-PowerPlace_x64 13.3.8 for example.

GWK files are compatible between 32bit and 64 bit versions but GWKs saved in this release will not read into earlier releases.

Items Fixed since v13.2

This list is customer reported issues fixed for this release.

#243   Isolating a composite layer construction with a round aperture of non-aero size resulted in additional apertures being created. Fixed.
#237   GC-Basic Home Plate creation syntax updated.
#235   Updated the assignment of drill hole platedness within the Tool Table Convertor. If the non-plated state was chosen, the result was being incorrectly displayed.
#233   Traces drawn with rectangles were not correctly described in our RS-274X output if they were step and rotated within the GWK. Fixed.
#232   Updated the RS-274X export algorithm to better handle intersecting polygons.
#228   Very old code in the Gerber input was causing an over-zealous reset of values. This caused a negative layer to load in as positive in a very specific instance.
#227   Switching back from Panel Layout mode now turns on the previously set Draw state (Normal, Transparent or Ball and Stick). This was previously not the case.
#226   Addressed a difference in negative data behavior between standard apertures and custom defined apertures within ODB++. Also, support for the $$JOB attribute has been added.
#224   Application entered a loop if Escape key was pressed in Query when required fields had been emptied.
#221   Cleaned up the naming of the custom aperture file written out by Advanced Scan and Replace.
#219   The pad split function was misbehaving if the gap value was greater than the width of the pad. Function now behaves correctly.
#216   This particular dataset changed data extents when New Tool was run on polygon data. Fixed.
#215   Occasionally Print function would display a MEM BAD POINTER error. The issue was caused by the Unselect Button in the Toolbar performing an operation on a null job pointer. Fixed.

#214   Fixed an issue where incorrectly assigned pad and trace attributes were preventing the Merging of two GWK files
#211   The Pipe (|) character is now supported as a delimiter when loading CAD-XY centroid data.
#205   Cleanup of the Optimize Panel function to eliminate some warning messages that appeared incorrectly.
#200   Custom aperture now saved out to an external location via the Advanced Scan and Replace dialog.
#194   Fixed an issue in aperture table conversion caused by non-numeric content in the D-Code column in Fixed width parsing.
#173   Updated the allowable input range for D-Code in the Filter Selection dialog. Now allow a range such as 6,8,10-12,16.
#126   Load CAD Centroids process now asks the user to proceed or not if duplicate reference designators are found. This is to handle step and repeated CAD XY files.
#123   DXF file now loads in the 32bit version of the GC-PowerPlatform.
#82   Image File now correctly exported.
#9   Fixed a minor issue where arcs were not being selected using the Filter Selection function. The issue showed itself if the Tool Compensation code was a component in the selection filtering.