

Release Notes GC-PrevuePlus v7.4

Table of Contents

- NEW FEATURES..... 2**
 - CREATE ASSEMBLY DATA 2
 - EXPORT COMPONENT LIST 2
 - SAVE AND RECALL ZOOM LOCATIONS 2
 - SET LAYER COLORS 2
- ENHANCED FEATURES..... 3**
 - ON LINE HELP 3
- ITEMS FIXED SINCE V7.3.2 4**

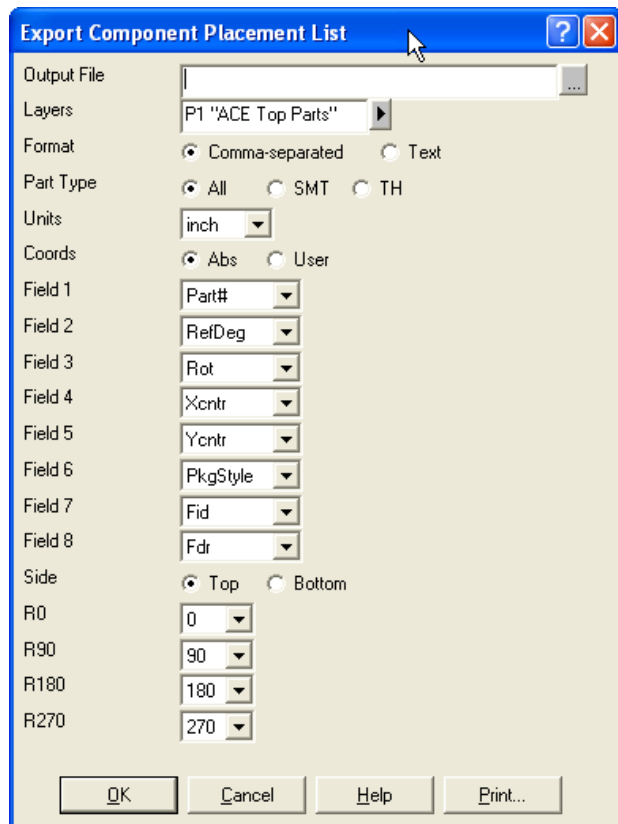
New Features

Create Assembly Data

GC-Prevue now has an option available too generate component centroid information from Gerber data. The addition of the Assembly Programming feature in GC-PrevuePlus allows users to import Gerber or DXF and export a comma delimited xy file for use in programming SMT, PTH and AOI equipment. The functionality is similar to GC-PowerPlace which has been sold for over a decade. A full tutorial is available from the GraphiCode website.

Export Component List

This function allows the direct export of a list of components in a simple, yet user definable format. Given a part layer within a GWK, this function allows the user to generate an ASCII list of components with available part numbers, package styles, and reference designators. Previously available by creating a specific Plotter Definition File (PDF) file, which was complex and cumbersome, this approach rapidly creates a list of components that have been derived from Gerber data.

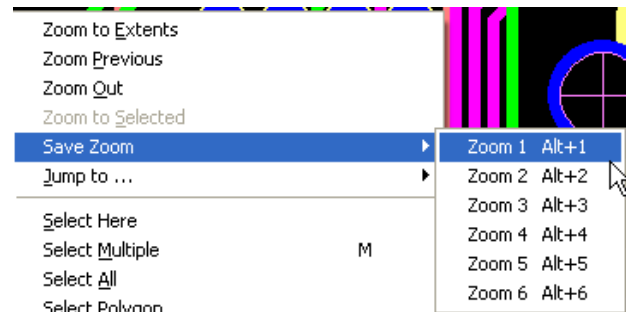


As can be seen from the above dialog, the available fields can be included in any order the user requires. This functionality will be included in GC-PrevuePlus along with the ability to manually create component centroids from gerber data.

Save and recall Zoom Locations

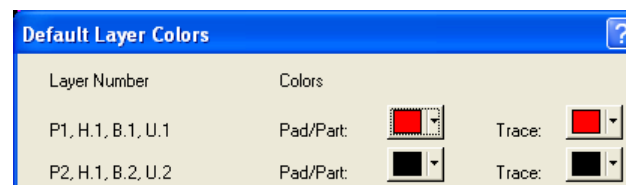
There are many scenarios where a user is required to revisit a particular location and zoom level. The upper left hand corner in order to begin a systematic panning around the board, a particular DFM error location, or perhaps a specific image in a panel; all are examples where this function can save time. There are six available zoom levels that can be saved. Storing a zoom level is as simple as using the hotkey combination ALT+1 through ALT-6 or through a new right-click menu. Zoom recall functions are available under "Jump To/Saved Zoom/Zoom 1 - Zoom 6" menu items, and are accessible through hotkey combinations CTRL-1 through CTRL-6.

Both the zoom level and location are saved and recalled. Note that the number pad cannot be used to access the hotkeys; the user must use 1,2,3,4,5,and 6 on the regular keyboard.



Set layer colors

In order to allow customers to pre-define specific physical layers with specific color, we have added a "View/Modify Default Layer Color Assignments" button to the "Import" section of the Tools/Customize/Settings dialog. When pushed, invokes a dialog that allows the user to select colors to be assigned to physical, hole/rout, and unassigned layers 1-15 as they are populated by file import processes.



User selections are saved to the workstation's registry so that they will remain in effect from one GWK to another.

Enhanced Features

On Line Help

GraphiCode is in the process of putting all help information onto our website to allow faster and more accurate updating, easier access and reduced product size. Function information is available to all users but additional information is only available to customers with a valid Annual Support Plan. There will be a period of overlap where the Help files are still shipped with the product but all future Help information will be placed on the website.

Items Fixed since v7.3.2

This list is customer reported issues fixed for this release.

- #4096 The application no longer require the Sentinel Protection Server service to be running in order to verify the license file. This was causing some issues when GraphiCode applications were being run on machines that had other software installed afterwards that deactivated this service.
- #4088 Fixed an issue with the registering of layers specific to a dataset.
- #4086 The DXF output now correctly includes the EXTMIN and EXTMAX fields indicating the extents of the exported data.
- #4081 Updated and cleaned up the mitering algorithm for the import of DXF and DWG files.
- #4080 Cleaned up some internal code that is currently not being utilized but caused a larger than necessary application file.
- #4068 Application crashed when attempting to open an ODB++ file with an invalid aperture definition. In this case, a rounded rectangle had radiused corners whose size was illegal. Adjusted radiused corners to the maximum legal value in order to prevent application crash.
- #4065 Teach Part can now create a footprint layer directly.
- #4064 Cannot save backup Copy to directory and file of the same name. Fixed.
- #4063 Added ability to create centroid information using a manual approach with GC-PrevuePlus (see Export Component Placement list above).
- #4023 Updated the Postscript output to handle polygon data in a manner consistent with the RS-274X and other more common outputs.
- #4021 Reload function now properly recognizes which layers to unload in all cases.
- #3977 Updated the installer to use Sentinel 7.3.2 Merge Modules for 64 bit compatibility.
- #3968 Add ability to pre-assign layer colors to Physical Layers (see above).
- #3945 Resolved an issue regarding the mirroring of rotated text strings.
- #3930 Modified import code so that relevant data layer information such as layer name is NOT removed or overwritten on reload.
- #3553 Save Zoom levels and locations (see above).