

Release Notes GC-PowerPlace v12.1

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Improved Features

Integrated Part Finding

The function of part finding using Automatic Centroid Extraction and Teaching Parts has been combined into a new function called Integrated Parts Creation. This new function achieves the following:

- Handles Part Finding without or without a CAD-XY layer within the same interface.
- Teaches Surface Mount or Through Hole parts within the same interface.
- Provides a graphical method for defining part footprints by dragging the mouse around components.
- Defines Pin 1 for a component based on the direction of the mouse drag.
- Allows for Parts to be exploded within the same interface.
- Provides a 'Fast Creation' mode minimum interaction is required..
- Provides an 'on-the-fly' report of components that are found with a Reference Designator, parts without a reference designator and also pads still to be handled.

BOM Import

Text BOM files can now be delimited based on any character. The new delimiter field has been added and allows for any character to be entered along with a number of common delimiters. The Refresh function was also tweaked to improve behavior along with a number of internal improvements related to Excel file handling.

Load CAD Centroid improvements

The Load CAD Centroid function now allows for the sorting of data based on column to allow for easier handling of data.

Reordering Data streamlined.

The reorder rout function now has a setting to automatically progress to the next path without user interaction. This function is highly useful when large numbers of unordered polygon paths are encountered (stencil files and other etching patterns in particular).

Items fixed since v11.4.6

This list is customer reported issues fixed for this release.

- #96 Handled non-round hole shapes within an ODB++ file. Square holes are converted to rounds and reported upon Import.
- #95 Package Style now being correctly output using the Export Component Placement List.
- #94 Fixed an issue caused by incorrect mitering that resulted in the incorrect size of features within a DXF file.
- #91 Handled DWG file loading with scaled values different in the orthogonal directions.
- #90 Corrected issue causing incorrect DWG loading.
- #89 Netlist failure resolved due to contour calculation enhancement.
- #88 Enhanced the splitting of CAD-XY indicators to different layers based on none common delimiters.
- #87 ODB++ panelized image now correctly being represented.
- #84 Corrected an issue with contour calculation that resulted in a netlist extraction failure.
- #83 Updated GC-Prevue to allow Terminal Services to run for more than one instance.

- #80 Fixed an issue loading XLS files using WinXP versus Win7. Issue related to missing components if the user was running Windows XP without .NET4.0 installed.
- #79 Fixed a contour calculation problem that resulted in Inner Unused Pads not being removed when they should have been.
- #78 Added a Compare BOM function to report differences between a currently loaded BOM and a second BOM being imported.
- #77 A corrupted polygon feature was not internally selected even though it appeared selected within the user-interface. Issue Fixed.
- #73 Fixed an issue causing flat-ended home plate apertures to be created with an incorrect size.
- #72 Added a comparison feature for comparing rotations between CAD Centroid files and part layers. Found in the Compare CAD Centroids function.
- #70 Fixed Home Plate generation problem on certain data constructions.
- #62 Three point arc creation fixed for this dataset.