

Release Notes GC-PowerStation v8.2

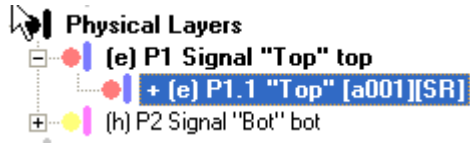
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New Features

Better Step and Repeat Indicator

The phrase [SR] is now appended to a layer's text in the GC-Explorer if the data layer has step-and-repeat copies (panelized copies only).



Also, only layers that contain invisible apertures are tagged with the asterisk.

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 v8.1.2

This list is customer reported issues fixed for this release.

#4195 Strange Gerber-like datasets now load into the database following the purposeful ignoring of hash (#) characters at the end of each file.

#4187 When importing Gerber RS-274X file, the locations of step and repeat copies are now mirrored when the file's x and/or y axis mirroring command warrants it.

#4183 Updated polygon interaction to correctly display the intended result.

#4182 Calculate areas now correctly reports feature areas for polygons. This problem resulted as a side effect of draw engine changes in the v8.1.2.

#4181 Fixed the issue of data disappearing at certain zoom levels when "High Precision Draw" is not being used.

#4179 Corrected an issue that resulted in a difference in display between a DXF and DWG formatted file.

#4178 DXF and DWG inputs are now excluded from the default color application scheme and maintain their AutoCad define color. If desired, the user can manually apply default colors after the import using the "Apply Default Layer Color" commands with the GC-Explorer's right-mouse menus.

#4177 Corrected an issue with contour generation that previously isolated a shaved pad as a round feature.

#4176 Problem DXF file now loads.

#4175 Finished output work on DXF files so that all features defined with polygons are now correctly closed.

#4173 The asterisk is now suppressed from the layer text in the GC-Explorer unless there is at least one invisible tool IN USE by the layer in question.

#4172 The phrase [SR] is now appended to a layer's text in the GC-Explorer if the data layer has step-and-repeat copies (panelized copies only).

#4168 Incorrect reference testpoints are no longer being created on composite datapoints. This behavior had previously been inconsistent.

#4162 The RS74x IR command is now supported for valid rotations (0,90,180,270).

#4155 Updated the contour engine algorithm to handle a very, very short path that previously caused issues (as in this dataset).

#4148 Tightened the code responsible for determining if a file is an ODB++ matrix file so that only files with the exact name "MATRIX" (no extension) will be considered ODB++ datasets.

#4145 New layers can now have the default layer colors assigned via the GC-Explorer window. Right click and 'Apply Default Layer Colors' is present for data layers, drill layers (individual and all), unassigned layers, physical layers (individual and all).

#4142 DXF file now loads into the database after previously failing to do so.

#4141 A "PROFILE" physical layer is now created whenever an ODB++ dataset includes one or more "profile" files. The "profile" for each step in multiple step jobs is added to the "PROFILE" physical layer. The Profile is created with a polygon layer to visually indicated cutouts within the profile.

#4122 Data creation of traces using co-ordinate locations now correctly maintains the original start position.

#4116 Fixed a contour issue that resulted in incorrectly assigned netlist to pad embedded in crosshatch area.

#4039 Pad to pad spacing violation now correctly reported.

#4019 Remove Buried now works for drill holes that are very, very close to duplicated.