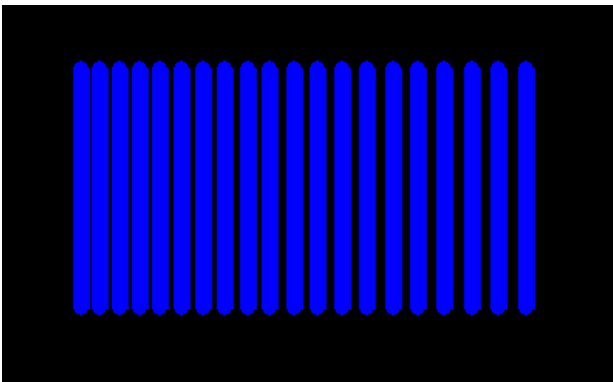# Release Notes GC-PowerPlace v15.3

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New Features

Identify Copper

The Identify Copper function has been overhauled to provide a more robust algorithm for identifying and highlighting areas of copper pour and planes within a layer.

Step Graduation

This function creates a step and repeat pattern with a graduating step distance based on an initial step distance plus an incrementing distance. An example of the resulting graduating pattern is shown below.

Aspect and Area Ratio report templates

A new folder is now created during installation called 'Reports' which contains default report templates. These template files can be modified to change the reports generated for Aspect and Area ratio.

Round Corners on additional functions

Rounding corners for modified apertures has been added to Roundie Pads and also to Pad Split.

Items Fixed since v15.2

This list is customer reported issues fixed for this release.

#401   Expanded the number of allowable Physical layers to 256 in order to accommodate ODB++ files containing empty layers.

#398   Unprocessed pads now correctly displayed when User and Absolute Zero locations are different.

#393   Fixed a longstanding issue that occurred during Data Creation. The issue prevented the direction of arcs being toggled.

#389   Datamatrix image now correctly orientated to allow all readers to interpret.

#388   Fixed an issue causing a crash of the software during PADS ASCII input.

#387   Now correctly displaying features from PADS ASCII input due to poorly formatted output.

#384   Added a quick method of selecting Unprocessed pads within the Integrated Stencil Creation function. Buttons added for Select All and Select Highlighted.

#123   Scrollbars now correctly behave within the graphics window.

#122   Resolved an issue with a crash caused by a user-created toolbar within all products.

#105   Fixed an issue that gave an unwarranted warning when changing rotation for a part within the Integrated Part Creation function.

#102   Similar issue to #76. Aperture list conversion failed. The issue was caused by upgrading to a newer development environment.

#92   Resolved problem whereby GC-Prevue failed to close correctly, leaving an open instance in the Task Manager.

#76   Importing aperture list using Aperture List Assistant previously caused crash. Issue fixed.

#67   Fixed issue related to isolation of polygon pattern.

#64   Isolation bug fixed.