

# Release Notes GC-PowerPlace v9.3

## Table of Contents

- NEW FEATURES** ..... 2
  - VIEWING STACKUP INFORMATION IN GC-PREVUE..... 2
- ENHANCED FEATURES**..... 2
  - SUPPORT FOR ODB++ v7..... 2
  - ADD BARCODES USING CODE128 FONT..... 2
  - SPEED IMPROVEMENTS TO NETLIST COMPARE..... 2
- ITEMS FIXED SINCE V9.2.2** ..... 3

## **New Features**

### **Viewing Stackup Information in GC-Prevue**

GraphiCode announces the release of StackupBuilder, a new product that allows modeling of PCB builds in a graphic environment. StackupBuilder uses the same data structure as all current GraphiCode products allowing compatibility between products.

StackupBuilder is a combination of client-based application with a web service providing additional crucial material information and license security. This allows StackupBuilder to run without a security dongle.

When a stackup has been created within StackupBuilder it can be saved in the GWK and GraphiCode has allowed GC-Prevue to be able to view this stackup information along with the Gerber information in order to allow collaboration between designer and manufacturer.

## **Enhanced Features**

### **Support for ODB++ v7**

GraphiCode has added support for the v7 release of ODB++ files including support for metric values within the file and support for the updated description of rotated apertures.

### **Add Barcodes using Code128 font**

Barcodes can now be added using the Code128 font format. The font is available as a drop-down option in the list of Text formats. Adding numerical and character strings will result in the production of a barcode image based upon the user defined text characteristics. As with all GraphiCode text apertures the string is retained for later editing and modification. It should be noted however that when the string is displayed in the Properties page it includes an addition start character and two additional ending characters (a checksum and end of barcode character). These characters are essential for a valid barcode but care must be taken when interpreting the reported text string.

### **Speed improvements to Netlist Compare**

Improvements in the Netlist Compare algorithm have yielded significant improvements in comparison time for boards with a large number of nets to compare against each other. In certain cases the speed improvements were in the order of 50x faster.

## Items fixed since v9.2.2

This list is customer reported issues fixed for this release.

- #4391 Increased netlist comparison speed.
- #4385 Fixed error in GC-Basic coding that set the .packageindex one higher than the passed argument.
- #4383 Modified the Area Ratio DFM check to have a second parameter that allows modification of the comparison value.
- #4378 Fixed issue with isolation path generation caused by duplicated data with very small positional modifications.
- #4373 Fixed typo in Teach Part message dialog
- #4159 Added support for ODB++ v7 files regarding both the files in metric units and also updated definition for rotating pads through non-orthogonal rotation.