



DOLPHIN MEDAL

SoC GDS 6.5.0-6.5.1 New Features

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THANKS

As always for new releases, we would like to thank those customers who take the time to report problems and/or to suggest improvements (please remember that the best way to do so is by sending an email to gds2@dolphin-integration.com with an accurate description of your problem or suggestion, together with the relevant files if any). As you will see in these pages, we do our best to take remarks into account. And even if your last suggestion does not appear this time, don't think it was lost or disregarded. Simply, it means that its implementation could not fit into the development plan for this particular release, but be sure we will try to take it into account in a future release.

WEB SITE

Our web site <http://www.dolphin-integration.com/> is a possible source of information (and promotional offers from time to time). Aside from evaluation kits for our products, a number of application notes, courses or upgrades are available for download.

ADDRESSES

Customers regularly ask where for the following addresses:

Where to find the IEEE standards

Institute of Electrical and Electronics Engineers, Inc.
445 Hoes Lane, P.P. Box 1331, Piscataway, NJ 08855-1331, USA
<http://www.ieee.org/>
<http://www.standards.ieee.org/>

Where to find the VSIA standards

<http://www.vsi.org/>

Where to find EDA on the web

<http://www.eda.org/>

CREDITS & COPYRIGHTS

wxWidgets: A free C++ framework for cross-platform programming

<http://www.wxwidgets.org/>

wxWindows Library Licence, Version 3

Copyright (C) 1998 Julian Smart, Robert Roebing [, ...]

WXWINDOWS LIBRARY LICENCE

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SoC GDS Discovery

This free option provides very basic functionalities to visualize a layout, make zooms, and change the color of the layers.

Enhancements

- Improved the license window management with correct updating after a change in the license path configuration (DDIsa05287 – SoC GDS 6.5.0).
- The license configuration is now properly saved on every platform and can be easily shared with other Dolphin EDA solutions (DDIsa05287 – SoC GDS 6.5.0).
- Improved icons and graphical aspect under the Linux platform (using GTK2) (DDIsa05347 – SoC GDS 6.5.0)

Bug Fixing

- Corrected problem occurring when using through the history sub-menu a library that does not exist anymore (DDIsa05111 – SoC GDS 6.5.0)
- Corrected problem when browsing gds files in the stream in and the stream out windows due to wrong extension specifications (DDIsa05111 – SoC GDS 6.5.0)
- Updated End User License Agreement document (DDIsa05287 – SoC GDS 6.5.0)
- Corrected bug which prevented from using the ‘up’ arrow key in layout window to move the point of view (DDIsa05406 – SoC GDS 6.5.1)
- Corrected flawed feature name in warning message about missing license. (DDIsa05598 – SoC GDS 6.5.1)
- Added the missing word describing the current license mode in the splash window (DDIsa05590 - SoC GDS 6.5.1)

SoC GDS Analyzer

This option provides basic viewing features, including the access to the hierarchy.

Enhancements

- Added text filter in net explorer which filters nets by their net named port (DDIsa05131 – SoC GDS 6.5.0).
- Improved the menu bar of the layout window so that analyser functions are more visible (DDIsa05131 – SoC GDS 6.5.0).
- Added detection of change on library loaded files and refresh on demand of changed libraries; added this functionality in general preferences (DDIsa05285 – SoC GDS 6.5.0).
- Added sketching ability (toolbar with width, color and tools) and improved look of the ruler toolbar (DDIsa05375 – SoC GDS 6.5.0).
- Added ability to browse back item pages in the shape, net and marker explorer. (DDIsa05395 – SoC GDS 6.5.0).

- Added warning when using '~' in unix paths of optional files (associated to loaded files) since it is not supported so far. (DDIsa05614 – SoC GDS 6.5.1)
- Added '--usage|--help|-h' option for the command line to help users with the possible option of the CLI. (DDIsa05614 – SoC GDS 6.5.1)
- Corrected bug about the management of 'recent files' sub menu that was potentially a cause of crash in certain cases. (DDIsa05405 – SoC GDS 6.5.1)

Bug Fixing

- Corrected the tooltips in the “abs Vs layout” window (DDIsa05131 – SoC GDS 6.5.0)
- Corrected problem about non-existent files in '.socgdsrsrc' configuration file which are now skipped in the history file list at loading (DDIsa05285 – SoC GDS 6.5.0)
- Corrected problem about the hierarchy tree window sizing (DDIsa05357 – SoC GDS 6.5.0)
- Corrected crash which occurred when saving preferences without defining txt and gds extensions (DDIsa05594 - SoC GDS 6.5.1)
- Corrected bug when clicking more than one time on the 'load' button of the streamin window (streamin window is now instantly hidden when load button is clicked) (DDIsa05635 – SoC GDS 6.5.1)

SoC GDS Babelizer

This option provides advanced functions for layout visualization (priorities on layer, hierarchy visualization, graphic comparison...), conversion functions from major backend formats (ASCII, VCLEF ...) and interoperability across standard EDA frameworks

Enhancements

- Added a netlist viewer function in the layout window (DDIsa05131 – SoC GDS 6.5.0)
- Improved ergonomics of global net extraction (DDIsa05286 – SoC GDS 6.5.0)
- Removed superpose mode in library browser in favour of drag mode which has been improved (DDIsa02344 – SoC GDS 6.5.0)
- Corrected command line handling about detection of gds-inspired ascii layout format (DDIsa01453 – SoC GDS 6.5.0)
- Improved speed of graphical XOR when using color file with a lot of layers (DDIsa05580 – SoC GDS 6.5.1)

Bug Fixing

- Corrected crash occurring when exporting LEF and choosing to detect nets (DDIsa05071 – SoC GDS 6.5.0).
- Corrected bug which made SoC GDS show a message if the user entered a directory name instead of a file to load a techno data file (DDIsa05241 – SoC GDS 6.5.0)
- Corrected bug with marker explorer window which caused crash of the application (DDIsa05286 – SoC GDS 6.5.0)
- Corrected bug which added refreshed libraries to the 'recent file' sub menu. (DDIsa05593 – SoC GDS 6.5.1)

- Corrected bug when displaying LEF file in XOR or OR superpose mode (graphical XOR) which caused the cell envelop to be drawn as a white filled polygon. (DDIsa05547 – SoC GDS 6.5.1)

SoC GDS Binder

This option gives access to hierarchical insertion and extrusion of Virtual Components from/to a SoC. They are accessible interactively or in batch mode.

Enhancements

- Added ability to export marker database (DDIsa04713 – SoC GDS 6.5.0).
- Improved the behaviour of physical Xor process in batch mode: layout file is only exported if differences are found (DDIsa05387 – SoC GDS 6.5.0)

Bug Fixing

- Corrected bug which makes SoC GDS batch executable return value '0' in every case and causes Tcl scripts (for example) to interpret such return value as an error status (DDIsa05348 – SoC GDS 6.5.0).
- Corrected bug in the batch command display function of graphical interface of physical Xor (DDIsa05387 – SoC GDS 6.5.0)
- Corrected bug in "insert cells" window which caused a crash when replaying tutorial on it. (DDIsa05594 – SoC GDS 6.5.1)