

1. Release Notes

1.1 Product Release Information

Table 1. Product Identification

Parameter	Description
Library Name	C28SOI_IO_EXT_ALLF_DIGNEG_LR_EG_6U1X2T8XLB
Library Version	7.0
Library Type	IO Cells
Technology	CMOS028_FDSOI
DK Version	DK_cmos28FDSOI_RF_6U1x_2T8x_LB 2.9-38

1.2 Impact of Product Release

For latest information, please refer to LYS (<http://col2.cro.st.com/libyield>).

1.3 Related Documentation

- C28SOI_IO_EXT_ALLF_DIGNEG_LR_EG_7.0 User Manual
- C28SOI_IO_EXT_ALLF_DIGNEG_LR_EG_7.0 Release Notes and Known Problems and Solutions
- C28SOI_IO_EXT_ALLF_DIGNEG_LR_EG_7.0 HDL MODELS model usage guidelines
- C28SOI_IO_EXT_ALLF_DIGNEG_LR_EG_ff28_1.10V_1.95V_m40C_tt28_1.00V_1.80V_25C_ss28_0.90V_1.65V_-125C_7.0 DataBook
- C28SOI_IO_EXT_ALLF_DIGNEG_LR_EG_ff28_1.10V_1.95V_125C_ss28_0.90V_1.65V_m40C_7.0 DataBook

2. Changes with respect to all Previous Versions

2.1 Version 7.0-00

A. This is the Final release.

B. This package contains mainly,

(1) Verilog Models:

a. Verilog (.v) model : Compliance with power aware flow , Allpins, Emul, Tetramx and Formality verilog views

(2) Liberty NLDM (STF) for 137 Corners aligned with DP2.5 :

I. STF view is compliance with UPF flow.

(3) Physical : CADENCE LEF, CPF, SIP, SYNOPSYS FRAM and LAYOUT, GDS, CDL and CDSOA.

(4) Other : Voltus, doc file.

C. Since there are no waiver present in this library so we are not supporting CCK waiver file.

First release

3. Known Problems and Solutions of this release



This document is compatible for viewing with acroread 7.0 and later versions. If opened with a lower version of acroread, there might be some color display problem.



KPS: Known Problems and Solutions :

DRC errors

- cell level

ERROR : Rule EMET.DEN.1

ERROR : Rule EMET.DEN.2

ERROR : Rule EMET.DEN.3

ERROR : Rule EMET.DEN.4

ERROR : Rule EMET.DEN.5

ERROR : Rule EMET.DEN.6

ERROR : Rule EMET.DEN.7

ERROR : Rule EMET.DEN.8

ERROR : Rule EMET.DEN.9

ERROR : Rule EMET.DEN.10

ERROR : Rule EMET.DEN.11

ERROR : Rule EMET.DEN.12

ERROR : Rule B1.DEN.1

ERROR : Rule B2.DEN.1

ERROR : Rule IA.DEN.1

ERROR : Rule IB.DEN.1

ERROR : Rule M6.DEN.1



LVS errors

- cell level

OK

- chip level

OK[We have to include the option in lvs_option->include for all FRAMECELL which is used as rail(without any IP)]

eg : LVS FILTER "cell name" OPEN

ERC

- cell level

ERC1a

- chip level

ERC1a

4. Contact Information

For more information about this product/IP/Library or any problems or suggestions, please contact **HELPDESK** (<http://col2.cro.st.com/helpdesk>).

Non-ST users, please contact the respective Customer Support.



Please Read Carefully:

Information in this document is provided solely in connection with ST products. STMicroelectronics NV and its subsidiaries ("ST") reserve the right to make changes, corrections, modifications or improvements, to this document, and the products and services described herein at any time, without notice.

All ST products are sold pursuant to ST's terms and conditions of sale. Purchasers are solely responsible for the choice, selection and use of the ST products and services described herein, and ST assumes no liability whatsoever relating to the choice, selection or use of the ST products and services described herein. No license, express or implied, by estoppel or otherwise, to any intellectual property rights is granted under this document. If any part of this document refers to any third party products or services it shall not be deemed a license grant by ST for the use of such third party products or services, or any intellectual property contained therein or considered as a warranty covering the use in any manner whatsoever of such third party products or services or any intellectual property contained therein.

UNLESS OTHERWISE SET FORTH IN ST'S TERMS AND CONDITIONS OF SALE ST DISCLAIMS ANY EXPRESS OR IMPLIED WARRANTY WITH RESPECT TO THE USE AND/OR SALE OF ST PRODUCTS INCLUDING WITHOUT LIMITATION IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE (AND THEIR EQUIVALENTS UNDER THE LAWS OF ANY JURISDICTION), OR INFRINGEMENT OF ANY PATENT, COPYRIGHT OR OTHER INTELLECTUAL PROPERTY RIGHT. UNLESS EXPRESSLY APPROVED IN WRITING BY TWO AUTHORIZED ST REPRESENTATIVES, ST PRODUCTS ARE NOT RECOMMENDED, AUTHORIZED OR WARRANTED FOR USE IN MILITARY, AIR CRAFT, SPACE, LIFE SAVING, OR LIFE SUSTAINING APPLICATIONS, NOR IN PRODUCTS OR SYSTEMS WHERE FAILURE OR MALFUNCTION MAY RESULT IN PERSONAL INJURY, DEATH, OR SEVERE PROPERTY OR ENVIRONMENTAL DAMAGE. ST PRODUCTS WHICH ARE NOT SPECIFIED AS "AUTOMOTIVE GRADE" MAY ONLY BE USED IN AUTOMOTIVE APPLICATIONS AT USER'S OWN RISK.

Resale of ST products with provisions different from the statements and/or technical features set forth in this document shall immediately void any warranty granted by ST for the ST product or service described herein and shall not create or extend in any manner whatsoever, any liability of ST.

ST and the ST logo are trademarks or registered trademarks of ST in various countries.

Information in this document supersedes and replaces all information previously supplied.

The ST logo is a registered trademark of STMicroelectronics. All other names are the property of their respective owners.
© 2012 STMicroelectronics - All rights reserved

STMicroelectronics group of companies

Australia - Belgium - Brazil - Canada - China - Czech Republic - Finland - France - Germany - Hong Kong - India - Israel - Italy - Japan - Malaysia - Malta - Morocco - Philippines - Singapore - Spain - Sweden - Switzerland - United Kingdom - United States of America

www.st.com