

8 track Standard Cell Library comprising commonly used booleans and sequential cells, poly biased by 10 nm

## 1 Release Notes

### 1.1 Product Release Information

Table 1. Product Identification

| Parameter       | Description              |
|-----------------|--------------------------|
| Library name    | C28SOI_SC_8_COREPBP10_LL |
| Library version | 5.1-02                   |
| Library type    | Standard Cells           |
| Technology      | CMOS028_FDSOI            |

### 1.2 Related Documentation

- [StandardCell\\_Notes.pdf](#) Present in Design Package
- [User Manual](#) C28SOI\_SC\_8\_COREPBP10\_LL\_um.pdf present in doc directory of Product itself.
- [Datasheets](#) C28SOI\_SC\_8\_COREPBP10\_LL\_\*\_ds.pdf present in doc directory of Product itself.

## 2 Release Details

### 2.1 Current Release Details, Version 5.1-02

- Verilog Model for below cells have been updated to enable proper checking of E-CP timing checks.

|                               |                               |
|-------------------------------|-------------------------------|
| C8T28SOIDV_LL_SDFPHRQNX10_P10 | C8T28SOIDV_LL_SDFPHRQNX19_P10 |
| C8T28SOIDV_LL_SDFPHRQNX23_P10 | C8T28SOIDV_LL_SDFPHRQNX29_P10 |
| C8T28SOIDV_LL_SDFPHRQNX34_P10 | C8T28SOIDV_LL_SDFPHRQNX5_P10  |
| C8T28SOIDV_LL_SDFPHRQX10_P10  | C8T28SOIDV_LL_SDFPHRQX19_P10  |
| C8T28SOIDV_LL_SDFPHRQX23_P10  | C8T28SOIDV_LL_SDFPHRQX29_P10  |
| C8T28SOIDV_LL_SDFPHRQX34_P10  | C8T28SOIDV_LL_SDFPHRQX5_P10   |

### 2.2 Version 5.1

- Cells have been re-characterized with new Spice Cards. Therefore there is update in Timing & Power Information in libs.
- To enable support for Cadence Voltus Flow, CCS-Power has been added.
- Characterization corners have been re-defined in-line with DP Specifications.
- The product is aligned to DP28FDSOI 2.5 in terms of Characterization Specifications and CAD views support. Refer to Design Package Documents for more details.

### 2.3 Version 5.0

- Dummy Poly in layout across various cells has been cut for DFM robustness.
- Below 38 cells, earlier part of this library now have been moved to another library C28SOI\_SC\_8\_CORESPLBP10\_LL -

|                                |                                |
|--------------------------------|--------------------------------|
| C8T28SOIDV_LL_MX41X8_P10       | C8T28SOIDV_LL_SDFPRSQNTX10_P10 |
| C8T28SOIDV_LL_SDFPRSQNTX19_P10 | C8T28SOIDV_LL_SDFPRSQNTX5_P10  |
| C8T28SOIDV_LL_SDFPRSQNX10_P10  | C8T28SOIDV_LL_SDFPRSQNX19_P10  |
| C8T28SOIDV_LL_SDFPRSQNX5_P10   | C8T28SOIDV_LL_SDFPRSQTX10_P10  |
| C8T28SOIDV_LL_SDFPRSQTX19_P10  | C8T28SOIDV_LL_SDFPRSQTX5_P10   |
| C8T28SOIDV_LL_SDFPRSQX10_P10   | C8T28SOIDV_LL_SDFPRSQX19_P10   |
| C8T28SOIDV_LL_SDFPRSQX5_P10    | C8T28SOI_LL_AOI211X5_P10       |
| C8T28SOI_LL_AOI21X5_P10        | C8T28SOI_LL_AOI22X5_P10        |
| C8T28SOI_LL_AOI31X23_P10       | C8T28SOI_LL_AOI31X6_P10        |
| C8T28SOI_LL_BFX34_P10          | C8T28SOI_LL_BFX3_P10           |
| C8T28SOI_LL_NAND2AX12_P10      | C8T28SOI_LL_NAND2AX15_P10      |
| C8T28SOI_LL_NAND2AX3_P10       | C8T28SOI_LL_NAND2AX6_P10       |
| C8T28SOI_LL_NAND2X6_P10        | C8T28SOI_LL_NAND3X5_P10        |
| C8T28SOI_LL_NOR2AX12_P10       | C8T28SOI_LL_NOR2AX6_P10        |
| C8T28SOI_LL_NOR2X6_P10         | C8T28SOI_LL_NOR3X6_P10         |
| C8T28SOI_LL_OAI211X24_P10      | C8T28SOI_LL_OAI21X5_P10        |
| C8T28SOI_LL_OAI22X5_P10        | C8T28SOI_LL_OAI31X12_P10       |
| C8T28SOI_LL_OAI31X24_P10       | C8T28SOI_LL_OAI31X3_P10        |

|                         |                          |
|-------------------------|--------------------------|
| C8T28SOI_LL_OAI31X6_P10 | C8T28SOI_LL_PAOI2X20_P10 |
|-------------------------|--------------------------|

- Total 5 cells have been updated for DFM SEC -LUP and Pin Accessibility . There is no area change for these cells, but there is change in abstract.
  - **Cells Updated for DFM SEC -LUP**
    - C8T28SOIDV\_LL\_SDFPHRQNX23\_P10
    - C8T28SOI\_LLHF\_SDFPQNX3\_P10
    - C8T28SOI\_LLHF\_SDFPRQTX3\_P10
    - C8T28SOI\_LL\_SDFPSQX5\_P10
  - **Cell Updated for Pin Accessibility**
    - C8T28SOIDV\_LLS1\_FA1X4\_P10
- Total 77 cells have been updated for Robustness relative to contact punch through effect. Minimum Enclosure of 20nm for RX/CA has been ensured. There is no change in Cell Area and Abstract because of contact robustness update.
  - Updated cells are-

|                               |                               |
|-------------------------------|-------------------------------|
| C8T28SOIDV_LL_DFPQX10_P10     | C8T28SOIDV_LL_DFPQX19_P10     |
| C8T28SOIDV_LL_DFPRQX10_P10    | C8T28SOIDV_LL_DFPRQX19_P10    |
| C8T28SOIDV_LL_DFPSQX10_P10    | C8T28SOIDV_LL_DFPSQX19_P10    |
| C8T28SOIDV_LL_FA1X14_P10      | C8T28SOIDV_LL_LDLQX28_P10     |
| C8T28SOIDV_LL_LDLQX9_P10      | C8T28SOIDV_LL_LDLRQX19_P10    |
| C8T28SOIDV_LL_NOR2AX14_P10    | C8T28SOIDV_LLS1_FA1X9_P10     |
| C8T28SOIDV_LL_SDFPHRQNX10_P10 | C8T28SOIDV_LL_SDFPHRQNX19_P10 |
| C8T28SOIDV_LL_SDFPHRQNX29_P10 | C8T28SOIDV_LL_SDFPHRQNX34_P10 |
| C8T28SOIDV_LL_SDFPHRQNX5_P10  | C8T28SOIDV_LL_SDFPHRQX10_P10  |
| C8T28SOIDV_LL_SDFPHRQX19_P10  | C8T28SOIDV_LL_SDFPHRQX23_P10  |
| C8T28SOIDV_LL_SDFPHRQX29_P10  | C8T28SOIDV_LL_SDFPHRQX34_P10  |
| C8T28SOIDV_LL_SDFPHRQX5_P10   | C8T28SOIDV_LL_SDFPQNTX10_P10  |
| C8T28SOIDV_LL_SDFPQNTX19_P10  | C8T28SOIDV_LL_SDFPQNTX29_P10  |
| C8T28SOIDV_LL_SDFPQNTX5_P10   | C8T28SOIDV_LL_SDFPQNX19_P10   |
| C8T28SOIDV_LL_SDFPQNX29_P10   | C8T28SOIDV_LL_SDFPQNX5_P10    |
| C8T28SOIDV_LL_SDFPQTX10_P10   | C8T28SOIDV_LL_SDFPQTX19_P10   |
| C8T28SOIDV_LL_SDFPQTX29_P10   | C8T28SOIDV_LL_SDFPQTX5_P10    |
| C8T28SOIDV_LL_SDFPQX10_P10    | C8T28SOIDV_LL_SDFPQX19_P10    |
| C8T28SOIDV_LL_SDFPQX23_P10    | C8T28SOIDV_LL_SDFPQX29_P10    |
| C8T28SOIDV_LL_SDFPQX5_P10     | C8T28SOIDV_LL_SDFPRQNTX10_P10 |
| C8T28SOIDV_LL_SDFPRQNTX19_P10 | C8T28SOIDV_LL_SDFPRQNTX29_P10 |
| C8T28SOIDV_LL_SDFPRQNTX5_P10  | C8T28SOIDV_LL_SDFPRQNX10_P10  |
| C8T28SOIDV_LL_SDFPRQNX19_P10  | C8T28SOIDV_LL_SDFPRQNX29_P10  |
| C8T28SOIDV_LL_SDFPRQNX5_P10   | C8T28SOIDV_LL_SDFPRQTX10_P10  |
| C8T28SOIDV_LL_SDFPRQTX19_P10  | C8T28SOIDV_LL_SDFPRQTX29_P10  |
| C8T28SOIDV_LL_SDFPRQTX5_P10   | C8T28SOIDV_LL_SDFPRQX10_P10   |
| C8T28SOIDV_LL_SDFPRQX19_P10   | C8T28SOIDV_LL_SDFPRQX29_P10   |
| C8T28SOIDV_LL_SDFPRQX5_P10    | C8T28SOIDV_LL_SDFPSQNTX29_P10 |
| C8T28SOIDV_LL_SDFPSQNX10_P10  | C8T28SOIDV_LL_SDFPSQNX14_P10  |
| C8T28SOIDV_LL_SDFPSQNX19_P10  | C8T28SOIDV_LL_SDFPSQNX23_P10  |
| C8T28SOIDV_LL_SDFPSQTX19_P10  | C8T28SOIDV_LL_SDFPSQTX29_P10  |
| C8T28SOIDV_LL_SDFPSQX10_P10   | C8T28SOIDV_LL_SDFPSQX14_P10   |
| C8T28SOIDV_LL_SDFPSQX19_P10   | C8T28SOIDV_LL_SDFPSQX29_P10   |
| C8T28SOIDV_LL_XOR3X4_P10      | C8T28SOI_LL_AO21X14_P10       |
| C8T28SOI_LL_AO21X19_P10       | C8T28SOI_LL_AOI112X20_P10     |

|                            |                           |
|----------------------------|---------------------------|
| C8T28SOI_LL_AOI222X7_P10   | C8T28SOI_LL_IVX19_P10     |
| C8T28SOI_LL_NAND3ABX12_P10 | C8T28SOI_LL_NAND3ABX4_P10 |
| C8T28SOI_LL_NOR2X27_P10    | C8T28SOI_LL_OAI12X20_P10  |
| C8T28SOI_LL_OAI211X3_P10   |                           |

- Cells has been characterized with new Spice Cards. Therefore there is update in Timing & Power Information in libs.
- The product has been aligned to DP28FDSOI 2.5 in terms of Characterization Specifications and CAD views support. Refer to Design Package Documents for more details.
- For Global Updates and Features related to Standard Cell Library, Refer to StandardCell\_Notes.pdf Present in Design Package.

## 2.4 Version 4.0

- Total 45cells have been added to further enrich the offer.
  - Addition of Combinational Cells for new functionality and better drive granularity.

|                            |                             |
|----------------------------|-----------------------------|
| C8T28SOIDV_LL_MX41X8_P10   | C8T28SOIDV_LL_NAND2AX13_P10 |
| C8T28SOIDV_LL_NOR2AX14_P10 | C8T28SOIDV_LL_PAOI2X10_P10  |
| C8T28SOIDV_LL_PAOI2X5_P10  | C8T28SOI_LL_AOI211X5_P10    |
| C8T28SOI_LL_AOI21X5_P10    | C8T28SOI_LL_AOI22X5_P10     |
| C8T28SOI_LL_AOI31X12_P10   | C8T28SOI_LL_AOI31X23_P10    |
| C8T28SOI_LL_AOI31X3_P10    | C8T28SOI_LL_AOI31X6_P10     |
| C8T28SOI_LL_BFX34_P10      | C8T28SOI_LL_BFX3_P10        |
| C8T28SOI_LL_NAND2AX12_P10  | C8T28SOI_LL_NAND2AX15_P10   |
| C8T28SOI_LL_NAND2AX3_P10   | C8T28SOI_LL_NAND2AX6_P10    |
| C8T28SOI_LL_NAND2X19_P10   | C8T28SOI_LL_NAND2X6_P10     |
| C8T28SOI_LL_NAND3X5_P10    | C8T28SOI_LL_NOR2AX12_P10    |
| C8T28SOI_LL_NOR2AX6_P10    | C8T28SOI_LL_NOR2X6_P10      |
| C8T28SOI_LL_NOR3X6_P10     | C8T28SOI_LL_OAI211X24_P10   |
| C8T28SOI_LL_OAI21X5_P10    | C8T28SOI_LL_OAI22X5_P10     |
| C8T28SOI_LL_OAI31X12_P10   | C8T28SOI_LL_OAI31X24_P10    |
| C8T28SOI_LL_OAI31X3_P10    | C8T28SOI_LL_OAI31X6_P10     |
| C8T28SOI_LL_PAOI2X20_P10   |                             |

- Addition of new Sequential Cells : Set-Reset Flip Flops.

|                                |                                |
|--------------------------------|--------------------------------|
| C8T28SOIDV_LL_SDFPRSQNTX10_P10 | C8T28SOIDV_LL_SDFPRSQNTX19_P10 |
| C8T28SOIDV_LL_SDFPRSQNTX5_P10  | C8T28SOIDV_LL_SDFPRSQNX10_P10  |
| C8T28SOIDV_LL_SDFPRSQNX19_P10  | C8T28SOIDV_LL_SDFPRSQNX5_P10   |
| C8T28SOIDV_LL_SDFPRSQTX10_P10  | C8T28SOIDV_LL_SDFPRSQTX19_P10  |
| C8T28SOIDV_LL_SDFPRSQTX5_P10   | C8T28SOIDV_LL_SDFPRSQX10_P10   |
| C8T28SOIDV_LL_SDFPRSQX19_P10   | C8T28SOIDV_LL_SDFPRSQX5_P10    |

- The product has been aligned to DP28FDSOI 2.4 in terms of Characterization Specifications and CAD views support. Refer to Design Package Documents for more details.
- For Specific Updates and Features related to Standard Cell Library, Refer to StandardCell\_Notes.pdf Present in Design Package.

## 2.5 Version 3.0

- The product has been aligned to DP28FDSOI 2.3 in terms of Characterization Specifications and CAD views support. Refer to Design Package Documents for more details.
- For Specific Updates and Features related to Standard Cell Library, Refer to StandardCell\_Notes.pdf Present in Design Package.

## 2.6 Version 2.1

- Total 94 cells have been updated to have better manufacturability. Abstract is changed for all these cells. Updated Cells are -

|                               |                               |
|-------------------------------|-------------------------------|
| C8T28SOIDV_LL_DFPQX10_P10     | C8T28SOIDV_LL_DFPQX19_P10     |
| C8T28SOIDV_LL_DFPRQX10_P10    | C8T28SOIDV_LL_DFPRQX19_P10    |
| C8T28SOIDV_LL_LDLRQX9_P10     | C8T28SOIDV_LL_PAO2X19_P10     |
| C8T28SOIDV_LLS1_FA1X4_P10     | C8T28SOIDV_LL_SDFPHRQNX10_P10 |
| C8T28SOIDV_LL_SDFPHRQNX19_P10 | C8T28SOIDV_LL_SDFPHRQNX23_P10 |
| C8T28SOIDV_LL_SDFPHRQNX29_P10 | C8T28SOIDV_LL_SDFPHRQNX34_P10 |
| C8T28SOIDV_LL_SDFPHRQNX5_P10  | C8T28SOIDV_LL_SDFPHRQX10_P10  |
| C8T28SOIDV_LL_SDFPHRQX19_P10  | C8T28SOIDV_LL_SDFPHRQX23_P10  |
| C8T28SOIDV_LL_SDFPHRQX29_P10  | C8T28SOIDV_LL_SDFPHRQX34_P10  |
| C8T28SOIDV_LL_SDFPHRQX5_P10   | C8T28SOIDV_LL_SDFPQNX19_P10   |
| C8T28SOIDV_LL_SDFPSQTX10_P10  | C8T28SOIDV_LL_SDFPSQTX19_P10  |
| C8T28SOIDV_LL_SDFPSQTX29_P10  | C8T28SOIDV_LL_SDFPSQX10_P10   |
| C8T28SOIDV_LL_SDFPSQX14_P10   | C8T28SOIDV_LL_SDFPSQX19_P10   |
| C8T28SOIDV_LL_SDFPSQX29_P10   | C8T28SOIDV_LL_XNOR3X9_P10     |
| C8T28SOI_LL_AND4X3_P10        | C8T28SOI_LL_AO12X19_P10       |
| C8T28SOI_LL_AO212X10_P10      | C8T28SOI_LL_AO212X19_P10      |
| C8T28SOI_LL_AO212X5_P10       | C8T28SOI_LL_AO21X14_P10       |
| C8T28SOI_LL_AO21X19_P10       | C8T28SOI_LL_AO222X19_P10      |
| C8T28SOI_LL_AO222X2_P10       | C8T28SOI_LL_AO222X5_P10       |
| C8T28SOI_LL_AO22X10_P10       | C8T28SOI_LL_AOI112X20_P10     |
| C8T28SOI_LL_AOI12X19_P10      | C8T28SOI_LL_AOI12X25_P10      |
| C8T28SOI_LL_AOI211X2_P10      | C8T28SOI_LL_AOI21X6_P10       |
| C8T28SOI_LL_CBI4I6X9_P10      | C8T28SOI_LLHF_SDFPQNTX3_P10   |
| C8T28SOI_LLHF_SDFPQNX3_P10    | C8T28SOI_LLHF_SDFPQTX3_P10    |
| C8T28SOI_LLHF_SDFPQX3_P10     | C8T28SOI_LLHF_SDFPRQNTX3_P10  |

|                             |                              |
|-----------------------------|------------------------------|
| C8T28SOI_LLHF_SDFPRQNX3_P10 | C8T28SOI_LLHF_SDFPRQTX3_P10  |
| C8T28SOI_LLHF_SDFPRQX3_P10  | C8T28SOI_LLHF_SDFPSQNTX3_P10 |
| C8T28SOI_LLHF_SDFPSQNX3_P10 | C8T28SOI_LLHF_SDFPSQTX3_P10  |
| C8T28SOI_LLHF_SDFPSQX3_P10  | C8T28SOI_LL_LDHQNX10_P10     |
| C8T28SOI_LL_LDHQX5_P10      | C8T28SOI_LL_LDLQX5_P10       |
| C8T28SOI_LL_MUX21X5_P10     | C8T28SOI_LL_MUXI21X1_P10     |
| C8T28SOI_LL_NAND2AX2_P10    | C8T28SOI_LL_NAND2X15_P10     |
| C8T28SOI_LL_NAND2X24_P10    | C8T28SOI_LL_NAND3X10_P10     |
| C8T28SOI_LL_NAND4X10_P10    | C8T28SOI_LL_NAND4X18_P10     |
| C8T28SOI_LL_NOR2X16_P10     | C8T28SOI_LL_NOR3X14_P10      |
| C8T28SOI_LL_NOR3X21_P10     | C8T28SOI_LL_NOR4ABX11_P10    |
| C8T28SOI_LL_NOR4ABX7_P10    | C8T28SOI_LL_OA112X10_P10     |
| C8T28SOI_LL_OA112X4_P10     | C8T28SOI_LL_OA21X5_P10       |
| C8T28SOI_LL_OAI21X7_P10     | C8T28SOI_LL_OAI22X5_P10      |
| C8T28SOI_LL_PAO2X5_P10      | C8T28SOI_LL_SDFPQNTX5_P10    |
| C8T28SOI_LL_SDFPQNX5_P10    | C8T28SOI_LL_SDFPQTX5_P10     |
| C8T28SOI_LL_SDFPQX5_P10     | C8T28SOI_LL_SDFPRQNTX5_P10   |
| C8T28SOI_LL_SDFPRQNX5_P10   | C8T28SOI_LL_SDFPRQTX5_P10    |
| C8T28SOI_LL_SDFPRQX5_P10    | C8T28SOI_LL_SDFPSQNTX5_P10   |
| C8T28SOI_LL_SDFPSQNX5_P10   | C8T28SOI_LL_SDFPSQTX5_P10    |
| C8T28SOI_LL_SDFPSQX5_P10    | C8T28SOI_LLS_NOR2X31_P10     |
| C8T28SOI_LL_XNOR2X5_P10     | C8T28SOI_LL_XOR2X9_P10       |

- Out of these total 94 cells, there are 31 cells for which cell area is also impacted. Cells are -

|                              |                              |
|------------------------------|------------------------------|
| C8T28SOIDV_LL_SDFPSQTX10_P10 | C8T28SOIDV_LL_SDFPSQTX29_P10 |
| C8T28SOIDV_LL_SDFPSQX10_P10  | C8T28SOIDV_LL_SDFPSQX14_P10  |
| C8T28SOIDV_LL_SDFPSQX19_P10  | C8T28SOI_LL_AOI12X25_P10     |
| C8T28SOI_LLHF_SDFPQNTX3_P10  | C8T28SOI_LLHF_SDFPQNX3_P10   |
| C8T28SOI_LLHF_SDFPQTX3_P10   | C8T28SOI_LLHF_SDFPQX3_P10    |
| C8T28SOI_LLHF_SDFPRQNTX3_P10 | C8T28SOI_LLHF_SDFPRQNX3_P10  |
| C8T28SOI_LLHF_SDFPRQTX3_P10  | C8T28SOI_LLHF_SDFPRQX3_P10   |
| C8T28SOI_LLHF_SDFPSQNTX3_P10 | C8T28SOI_LLHF_SDFPSQNX3_P10  |
| C8T28SOI_LLHF_SDFPSQTX3_P10  | C8T28SOI_LLHF_SDFPSQX3_P10   |
| C8T28SOI_LL_LDHQNX10_P10     | C8T28SOI_LL_LDHQX5_P10       |
| C8T28SOI_LL_LDLQX5_P10       | C8T28SOI_LL_SDFPQNTX5_P10    |
| C8T28SOI_LL_SDFPQNX5_P10     | C8T28SOI_LL_SDFPQTX5_P10     |
| C8T28SOI_LL_SDFPQX5_P10      | C8T28SOI_LL_SDFPRQNTX5_P10   |
| C8T28SOI_LL_SDFPRQTX5_P10    | C8T28SOI_LL_SDFPSQNTX5_P10   |
| C8T28SOI_LL_SDFPSQNX5_P10    | C8T28SOI_LL_SDFPSQTX5_P10    |
| C8T28SOI_LL_SDFPSQX5_P10     |                              |

- Library has been re-characterized only for these updated 94 cells and all views has been updated accordingly.
- The Product remains aligned to DP28FDSOI\_7ML 1.0.

## **2.7      Version 2.0**

- The Product is aligned to DP28FDSOI\_7ML 1.0. Refer to Design Package Documents for more details.
- For Standard Cell Library Specific Features, Refer to StandardCell\_Notes.pdf Present in Design Package.

## 3 Known Problems and Solutions

### 3.1 DP related Generic Problems

- For Generic Standard cell Library related problem for this DP, please refer to KPS section inside StandardCell\_Notes.pdf Present in Design Package.

### 3.2 Placement Restriction

➡ Specific Placement restriction due to Poly Landing pad

☞ Placement restriction has been modelled in CADENCE LEF - through “Symmetry property” and in SYNOPSIS FRAM - through “spacing\_label property” for the following cells:

- C8T28SOI\_LL\_IVX2\_P10
- C8T28SOI\_LL\_IVX3\_P10
- C8T28SOI\_LL\_IVX5\_P10
- C8T28SOIDV\_LL\_IVX11\_P10



*As mentioned above, modelling the placement constraint is different between Synopsys and Cadence. Therefore Need to be careful, if You do P&R with Synopsys and then go inside Cadence, the placement created by ICC could be declared as invalid by Encounter tool.*

### 3.3 Dont\_use cells

➡ Specific attributes dont\_use in Synopsys Technology File

☞ The “dont\_use” attributes are defined in the Synopsys Technology Files for few cells. Reason can be -

- Cell has some specific custom feature. Therefore We want to ensure that Either these cells are not automatically picked during Synthesis unless the designer wishes to specically use them in the design or those are not replaced during Design Optimization.
- Cell's functionality is not properly understood by tools.

Cells with such attributes are as following:

- C8T28SOI\_LL\_MUXI21X1\_P10
- C8T28SOIDV\_LLS\_XNOR3X1\_P10
- C8T28SOIDV\_LL\_XNOR3X2\_P10
- C8T28SOIDV\_LLS\_XOR3X1\_P10
- C8T28SOIDV\_LL\_XOR3X2\_P10



## 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.



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