# C28SOI_IO_EXT_ANAF_ANA_EG
# Databook

August 2016

## CORNERCELL_EXT_ANA_FC_LIN

### Cell Description

CORNERCELL_EXT_ANA_FC_LIN

- The cell has ”dont_use” attribute set in the Synopsys STF.
- The cell has ”dont_touch” attribute set in the Synopsys STF.

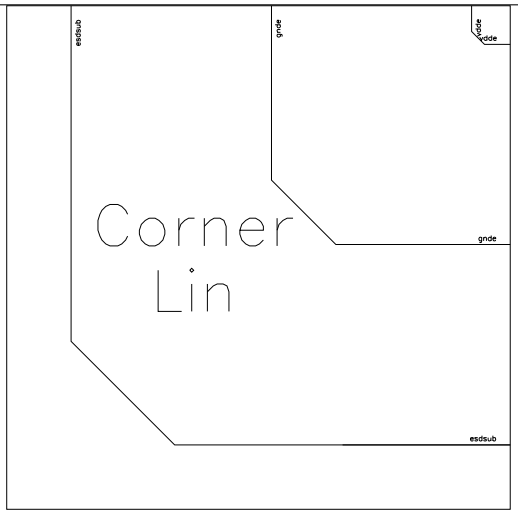
### Physical Dimensions

Area(um2) : 6400.000

### Glossary

Tr : Input Transition time
C : Output (capacitive) load
R : Rising edge
F : Falling edge

### Logical Symbol




### Default Leakage Power

| Default Leakage Power (mW) |
|---|
| best 1.10 125 |
| worst 0.90 -40 |

# ESDSUB_EXT_ANA_CL_LIN

### Cell Description

ESDSUB_EXT_ANA_CL_LIN

- The cell has ”dont_use” attribute set in the Synopsys STF.
- The cell has ”dont_touch” attribute set in the Synopsys STF.

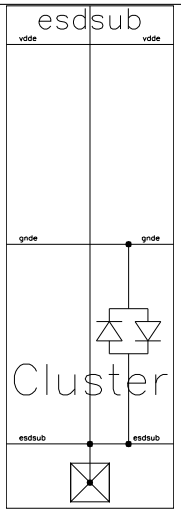
### Physical Dimensions

Area(um2) : 3200.000

### Glossary

Tr : Input Transition time
C : Output (capacitive) load
R : Rising edge
F : Falling edge

### Logical Symbol




### Default Leakage Power

| Default Leakage Power (mW) | vdde |
|---|---|
| best 1.10 125 | 1.442e-05 |
| worst 0.90 -40 | 7.396e-08 |

# ESDSUB_EXT_ANA_FC_LIN

### Cell Description

ESDSUB_EXT_ANA_FC_LIN

- The cell has ”dont_use” attribute set in the Synopsys STF.
- The cell has ”dont_touch” attribute set in the Synopsys STF.

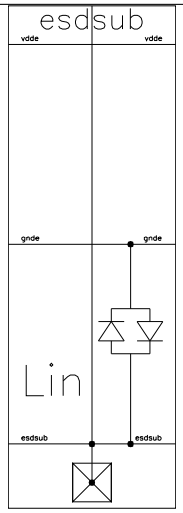
### Physical Dimensions

Area(um2) : 3200.000

### Glossary

Tr : Input Transition time
C : Output (capacitive) load
R : Rising edge
F : Falling edge

### Logical Symbol




### Default Leakage Power

| Default Leakage Power (mW) | vdde |
|---|---|
| best 1.10 125 | 1.442e-05 |
| worst 0.90 -40 | 7.396e-08 |

# FILLCELL_1GRID_EXT_ANA_CL_LIN

### Cell Description

FILLCELL_1GRID_EXT_ANA_CL_LIN

- The cell has ”dont_use” attribute set in the Synopsys STF.
- The cell has ”dont_touch” attribute set in the Synopsys STF.

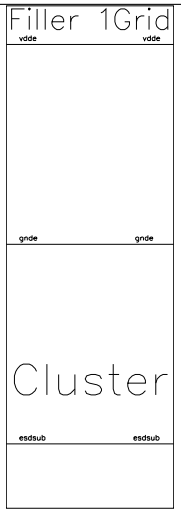
### Physical Dimensions

Area(um2) : 8.000

### Glossary

Tr : Input Transition time
C : Output (capacitive) load
R : Rising edge
F : Falling edge

### Logical Symbol




### Default Leakage Power

| Default Leakage Power (mW) |
|---|
| best 1.10 125 |
| worst 0.90 -40 |

# FILLCELL_1GRID_EXT_ANA_FC_LIN

### Cell Description

FILLCELL_1GRID_EXT_ANA_FC_LIN

- The cell has ”dont_use” attribute set in the Synopsys STF.
- The cell has ”dont_touch” attribute set in the Synopsys STF.

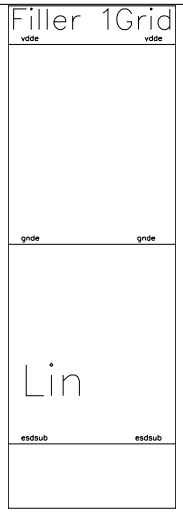
### Physical Dimensions

Area(um2) : 8.000

### Glossary

Tr : Input Transition time
C : Output (capacitive) load
R : Rising edge
F : Falling edge

### Logical Symbol




### Default Leakage Power

| Default Leakage Power (mW) |
|---|
| best 1.10 125 |
| worst 0.90 -40 |

# FILLCELL_1UM_EXT_ANA_CL_LIN

### Cell Description

FILLCELL_1UM_EXT_ANA_CL_LIN

- The cell has ”dont_use” attribute set in the Synopsys STF.
- The cell has ”dont_touch” attribute set in the Synopsys STF.

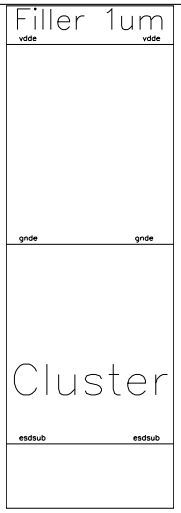
### Physical Dimensions

Area(um2) : 80.000

### Glossary

Tr : Input Transition time
C : Output (capacitive) load
R : Rising edge
F : Falling edge

### Logical Symbol




### Default Leakage Power

| Default Leakage Power (mW) |
|---|
| best 1.10 125 |
| worst 0.90 -40 |

# FILLCELL_1UM_EXT_ANA_FC_LIN

### Cell Description

FILLCELL_1UM_EXT_ANA_FC_LIN

- The cell has ”dont_use” attribute set in the Synopsys STF.
- The cell has ”dont_touch” attribute set in the Synopsys STF.

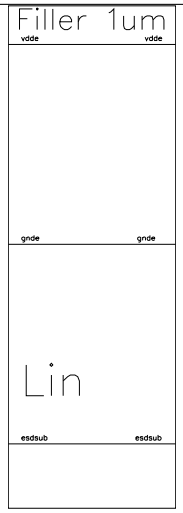
### Physical Dimensions

Area(um2) : 80.000

### Glossary

Tr : Input Transition time
C : Output (capacitive) load
R : Rising edge
F : Falling edge

### Logical Symbol




### Default Leakage Power

| Default Leakage Power (mW) |
|---|
| best 1.10 125 |
| worst 0.90 -40 |

# FILLCELL_5UM_EXT_ANA_CL_LIN

### Cell Description

FILLCELL_5UM_EXT_ANA_CL_LIN

- The cell has ”dont_use” attribute set in the Synopsys STF.
- The cell has ”dont_touch” attribute set in the Synopsys STF.

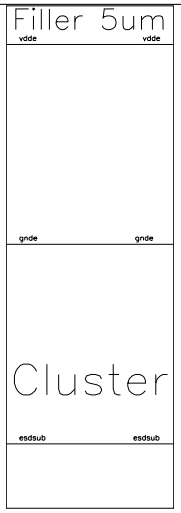
### Physical Dimensions

Area(um2) : 400.000

### Glossary

Tr : Input Transition time
C : Output (capacitive) load
R : Rising edge
F : Falling edge

### Logical Symbol




### Default Leakage Power

| Default Leakage Power (mW) |
|---|
| best 1.10 125 |
| worst 0.90 -40 |

# FILLCELL_5UM_EXT_ANA_FC_LIN

## Cell Description

FILLCELL_5UM_EXT_ANA_FC_LIN

- The cell has ”dont_use” attribute set in the Synopsys STF.
- The cell has ”dont_touch” attribute set in the Synopsys STF.

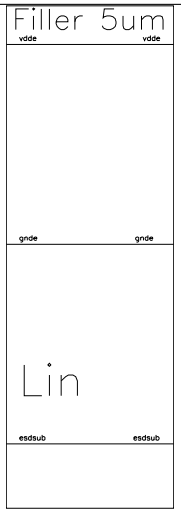
## Physical Dimensions

Area(um2) : 400.000

## Glossary

Tr : Input Transition time
C : Output (capacitive) load
R : Rising edge
F : Falling edge

## Logical Symbol




### Default Leakage Power

| Default Leakage Power (mW) |
|---|
| best 1.10 125 |
| worst 0.90 -40 |

# FILLCELL_10UM_EXT_ANA_CL_LIN

### Cell Description

FILLCELL_10UM_EXT_ANA_CL_LIN

- The cell has ”dont_use” attribute set in the Synopsys STF.
- The cell has ”dont_touch” attribute set in the Synopsys STF.

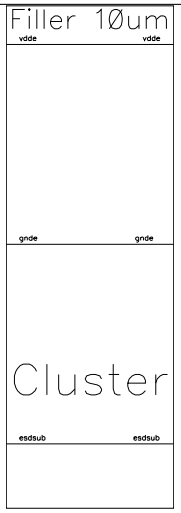
### Physical Dimensions

Area(um2) : 800.000

### Glossary

Tr : Input Transition time
C : Output (capacitive) load
R : Rising edge
F : Falling edge

### Logical Symbol




### Default Leakage Power

| Default Leakage Power (mW) |
|---|
| best 1.10 125 |
| worst 0.90 -40 |

# FILLCELL_10UM_EXT_ANA_FC_LIN

### Cell Description

FILLCELL_10UM_EXT_ANA_FC_LIN

- The cell has ”dont_use” attribute set in the Synopsys STF.
- The cell has ”dont_touch” attribute set in the Synopsys STF.

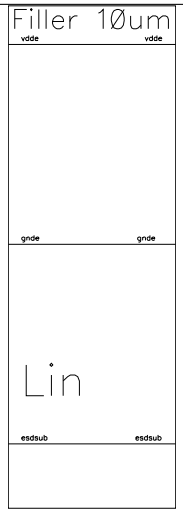
### Physical Dimensions

Area(um2) : 800.000

### Glossary

Tr : Input Transition time
C : Output (capacitive) load
R : Rising edge
F : Falling edge

### Logical Symbol




### Default Leakage Power

| Default Leakage Power (mW) |
|---|
| best 1.10 125 |
| worst 0.90 -40 |

# FILLCELL_END_LEFT_EXT_ANA_CL_LIN

### Cell Description

FILLCELL_END_LEFT_EXT_ANA_CL_LIN

- The cell has ”dont_use” attribute set in the Synopsys STF.
- The cell has ”dont_touch” attribute set in the Synopsys STF.

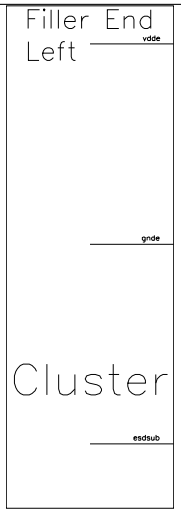
### Physical Dimensions

Area(um2) : 1440.000

### Glossary

Tr : Input Transition time
C : Output (capacitive) load
R : Rising edge
F : Falling edge

### Logical Symbol




### Default Leakage Power

| Default Leakage Power (mW) |
|---|
| best 1.10 125 |
| worst 0.90 -40 |

# FILLCELL_END_LEFT_EXT_ANA_FC_LIN

### Cell Description

FILLCELL_END_LEFT_EXT_ANA_FC_LIN

- The cell has ”dont_use” attribute set in the Synopsys STF.
- The cell has ”dont_touch” attribute set in the Synopsys STF.

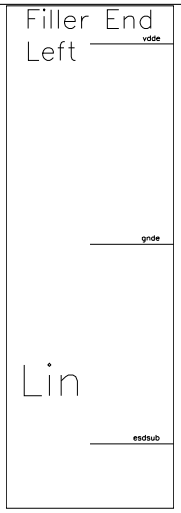
### Physical Dimensions

Area(um2) : 1440.000

### Glossary

Tr : Input Transition time
C : Output (capacitive) load
R : Rising edge
F : Falling edge

### Logical Symbol




### Default Leakage Power

| Default Leakage Power (mW) |
|---|
| best 1.10 125 |
| worst 0.90 -40 |

# FILLCELL_END_RIGHT_EXT_ANA_CL_LIN

### Cell Description

FILLCELL_END_RIGHT_EXT_ANA_CL_LIN

- The cell has ”dont_use” attribute set in the Synopsys STF.
- The cell has ”dont_touch” attribute set in the Synopsys STF.

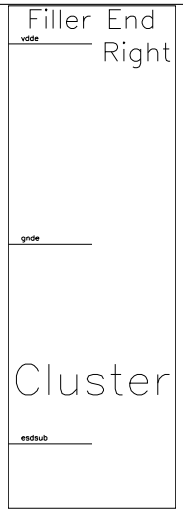
### Physical Dimensions

Area(um2) : 1440.000

### Glossary

Tr : Input Transition time
C : Output (capacitive) load
R : Rising edge
F : Falling edge

### Logical Symbol




### Default Leakage Power

| Default Leakage Power (mW) |
|---|
| best 1.10 125 |
| worst 0.90 -40 |

# FILLCELL_END_RIGHT_EXT_ANA_FC_LIN

### Cell Description

FILLCELL_END_RIGHT_EXT_ANA_FC_LIN

- The cell has ”dont_use” attribute set in the Synopsys STF.
- The cell has ”dont_touch” attribute set in the Synopsys STF.

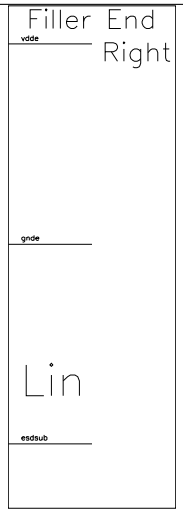
### Physical Dimensions

Area(um2) : 1440.000

### Glossary

Tr : Input Transition time
C : Output (capacitive) load
R : Rising edge
F : Falling edge

### Logical Symbol




### Default Leakage Power

| Default Leakage Power (mW) |
|---|
| best 1.10 125 |
| worst 0.90 -40 |

# FILLCELL_ESD_1V0_EXT_ANA_CL_LIN

### Cell Description

FILLCELL_ESD_1V0_EXT_ANA_CL_LIN

- The cell has ”dont_use” attribute set in the Synopsys STF.
- The cell has ”dont_touch” attribute set in the Synopsys STF.

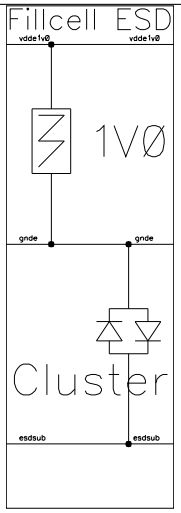
### Physical Dimensions

Area(um2) : 3200.000

### Glossary

Tr : Input Transition time
C : Output (capacitive) load
R : Rising edge
F : Falling edge

### Logical Symbol




### Default Leakage Power

| Default Leakage Power (mW) | vdde1v0 |
|---|---|
| best 1.10 125 | 4.227e-03 |
| worst 0.90 -40 | 4.941e-07 |

# FILLCELL_ESD_1V0_EXT_ANA_FC_LIN

### Cell Description

FILLCELL_ESD_1V0_EXT_ANA_FC_LIN

- The cell has ”dont_use” attribute set in the Synopsys STF.
- The cell has ”dont_touch” attribute set in the Synopsys STF.

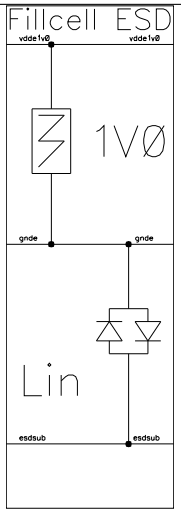
### Physical Dimensions

Area(um2) : 3200.000

### Glossary

Tr : Input Transition time
C : Output (capacitive) load
R : Rising edge
F : Falling edge

### Logical Symbol




### Default Leakage Power

| Default Leakage Power (mW) | vdde1v0 |
|---|---|
| best 1.10 125 | 4.227e-03 |
| worst 0.90 -40 | 4.941e-07 |

# FILLCELL_ESD_1V8_EXT_ANA_CL_LIN

### Cell Description

FILLCELL_ESD_1V8_EXT_ANA_CL_LIN

- The cell has ”dont_use” attribute set in the Synopsys STF.
- The cell has ”dont_touch” attribute set in the Synopsys STF.

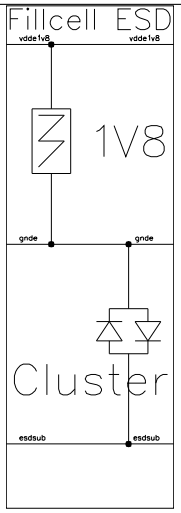
### Physical Dimensions

Area(um2) : 3200.000

### Glossary

Tr : Input Transition time
C : Output (capacitive) load
R : Rising edge
F : Falling edge

### Logical Symbol




### Default Leakage Power

| Default Leakage Power (mW) | vdde1v8 |
|---|---|
| best 1.10 125 | 4.795e-03 |
| worst 0.90 -40 | 3.303e-06 |

# FILLCELL_ESD_1V8_EXT_ANA_FC_LIN

### Cell Description

FILLCELL_ESD_1V8_EXT_ANA_FC_LIN

- The cell has ”dont_use” attribute set in the Synopsys STF.
- The cell has ”dont_touch” attribute set in the Synopsys STF.

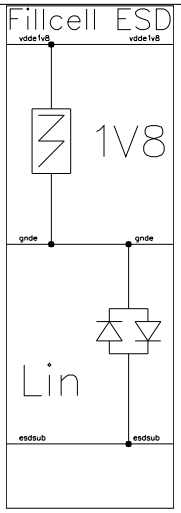
### Physical Dimensions

Area(um2) : 3200.000

### Glossary

Tr : Input Transition time
C : Output (capacitive) load
R : Rising edge
F : Falling edge

### Logical Symbol




### Default Leakage Power

| Default Leakage Power (mW) | vdde1v8 |
|---|---|
| best 1.10 125 | 4.795e-03 |
| worst 0.90 -40 | 3.303e-06 |

# FILLCELL_ESD_3V3_EXT_ANA_CL_LIN

## Cell Description

FILLCELL_ESD_3V3_EXT_ANA_CL_LIN

- The cell has ”dont_use” attribute set in the Synopsys STF.
- The cell has ”dont_touch” attribute set in the Synopsys STF.

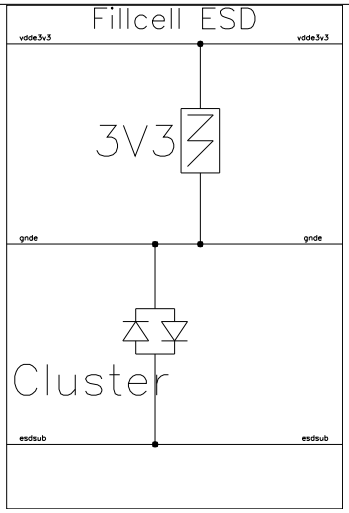
## Physical Dimensions

Area(um2) : 8000.000

## Glossary

Tr : Input Transition time
C : Output (capacitive) load
R : Rising edge
F : Falling edge

## Logical Symbol




### Default Leakage Power

| Default Leakage Power (mW) | vdde3v3 |
|---|---|
| best 1.10 125 | 9.296e-03 |
| worst 0.90 -40 | 4.168e-06 |

# FILLCELL_ESD_3V3_EXT_ANA_FC_LIN

### Cell Description

FILLCELL_ESD_3V3_EXT_ANA_FC_LIN

- The cell has ”dont_use” attribute set in the Synopsys STF.
- The cell has ”dont_touch” attribute set in the Synopsys STF.

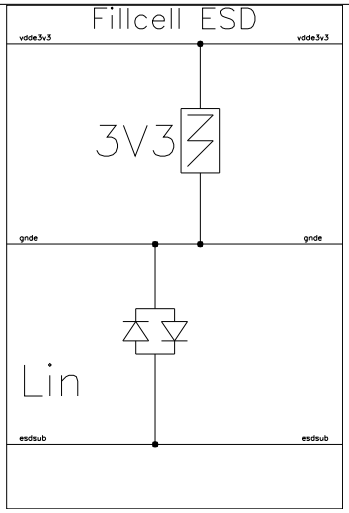
### Physical Dimensions

Area(um2) : 8000.000

### Glossary

Tr : Input Transition time
C : Output (capacitive) load
R : Rising edge
F : Falling edge

### Logical Symbol




### Default Leakage Power

| Default Leakage Power (mW) | vdde3v3 |
|---|---|
| best 1.10 125 | 9.296e-03 |
| worst 0.90 -40 | 4.168e-06 |

# FILLCELL_FEEDTHROUGH_EXT_ANA_CL_LIN

### Cell Description

FILLCELL_FEEDTHROUGH_EXT_ANA_CL_LIN

- The cell has ”dont_use” attribute set in the Synopsys STF.
- The cell has ”dont_touch” attribute set in the Synopsys STF.

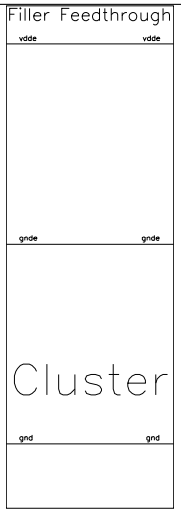
### Physical Dimensions

Area(um2) : 3200.000

### Glossary

Tr : Input Transition time
C : Output (capacitive) load
R : Rising edge
F : Falling edge

### Logical Symbol




### Default Leakage Power

| Default Leakage Power (mW) |
|---|
| best 1.10 125 |
| worst 0.90 -40 |

# FILLCELL_STEP_BTB_EXT_ANAF_TO_CSF_FC_2ROWS

### Cell Description

FILLCELL_STEP_BTB_EXT_ANAF_TO_CSF_FC_2ROWS

- The cell has ”dont_use” attribute set in the Synopsys STF.
- The cell has ”dont_touch” attribute set in the Synopsys STF.

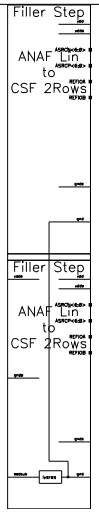
### Physical Dimensions

Area(um2) : 1661.640

### Glossary

Tr : Input Transition time
C : Output (capacitive) load
R : Rising edge
F : Falling edge

### Logical Symbol




### Cell Capacitance

| Parameter | Value(pF) | |
|---|---|---|
| | **best 1.10 125** | **worst 0.90 -40** |
| ASRCN[0] Input Cap. | 0.0200 | 0.0200 |
| ASRCN[0] Max Load | 10000.000 | 10000.000 |
| ASRCN[1] Input Cap. | 0.0200 | 0.0200 |
| ASRCN[1] Max Load | 10000.000 | 10000.000 |
| ASRCN[2] Input Cap. | 0.0200 | 0.0200 |
| ASRCN[2] Max Load | 10000.000 | 10000.000 |
| ASRCN[3] Input Cap. | 0.0200 | 0.0200 |
| ASRCN[3] Max Load | 10000.000 | 10000.000 |
| ASRCN[4] Input Cap. | 0.0200 | 0.0200 |
| ASRCN[4] Max Load | 10000.000 | 10000.000 |
| ASRCN[5] Input Cap. | 0.0200 | 0.0200 |
| ASRCN[5] Max Load | 10000.000 | 10000.000 |
| ASRCN[6] Input Cap. | 0.0200 | 0.0200 |
| ASRCN[6] Max Load | 10000.000 | 10000.000 |
| ASRCP[0] Input Cap. | 0.0200 | 0.0200 |
| ASRCP[0] Max Load | 10000.000 | 10000.000 |
| ASRCP[1] Input Cap. | 0.0200 | 0.0200 |
| ASRCP[1] Max Load | 10000.000 | 10000.000 |
| ASRCP[2] Input Cap. | 0.0200 | 0.0200 |
| ASRCP[2] Max Load | 10000.000 | 10000.000 |
| ASRCP[3] Input Cap. | 0.0200 | 0.0200 |
| ASRCP[3] Max Load | 10000.000 | 10000.000 |

| | | |
|---|---|---|
| ASRCP[4] Input Cap. | 0.0200 | 0.0200 |
| ASRCP[4] Max Load | 10000.000 | 10000.000 |
| ASRCP[5] Input Cap. | 0.0200 | 0.0200 |
| ASRCP[5] Max Load | 10000.000 | 10000.000 |
| ASRCP[6] Input Cap. | 0.0200 | 0.0200 |
| ASRCP[6] Max Load | 10000.000 | 10000.000 |
| REFIOA Input Cap. | 0.0200 | 0.0200 |
| REFIOA Max Load | 10000.000 | 10000.000 |
| REFIOB Input Cap. | 0.0200 | 0.0200 |
| REFIOB Max Load | 10000.000 | 10000.000 |

**Default Leakage Power**

| Default Leakage Power (mW) | vddedig |
|---|---|
| best 1.10 125 | 1.191e-05 |
| worst 0.90 -40 | 3.915e-08 |

# FILLCELL_STEP_BTB_EXT_ANAF_TO_CSF_FC_LIN

### Cell Description

FILLCELL_STEP_BTB_EXT_ANAF_TO_CSF_FC_LIN

- The cell has ”dont_use” attribute set in the Synopsys STF.
- The cell has ”dont_touch” attribute set in the Synopsys STF.

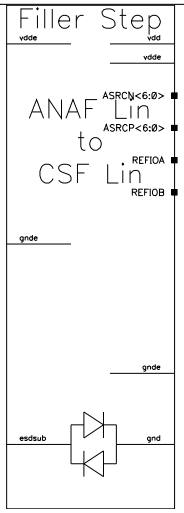
### Physical Dimensions

Area(um2) : 1661.640

### Glossary

Tr : Input Transition time
C : Output (capacitive) load
R : Rising edge
F : Falling edge

### Logical Symbol




### Cell Capacitance

| Parameter | Value(pF) | |
|---|---|---|
| | **best 1.10 125** | **worst 0.90 -40** |
| ASRCN[0] Input Cap. | 0.0200 | 0.0200 |
| ASRCN[0] Max Load | 10000.000 | 10000.000 |
| ASRCN[1] Input Cap. | 0.0200 | 0.0200 |
| ASRCN[1] Max Load | 10000.000 | 10000.000 |
| ASRCN[2] Input Cap. | 0.0200 | 0.0200 |
| ASRCN[2] Max Load | 10000.000 | 10000.000 |
| ASRCN[3] Input Cap. | 0.0200 | 0.0200 |
| ASRCN[3] Max Load | 10000.000 | 10000.000 |
| ASRCN[4] Input Cap. | 0.0200 | 0.0200 |
| ASRCN[4] Max Load | 10000.000 | 10000.000 |
| ASRCN[5] Input Cap. | 0.0200 | 0.0200 |
| ASRCN[5] Max Load | 10000.000 | 10000.000 |
| ASRCN[6] Input Cap. | 0.0200 | 0.0200 |
| ASRCN[6] Max Load | 10000.000 | 10000.000 |
| ASRCP[0] Input Cap. | 0.0200 | 0.0200 |
| ASRCP[0] Max Load | 10000.000 | 10000.000 |
| ASRCP[1] Input Cap. | 0.0200 | 0.0200 |
| ASRCP[1] Max Load | 10000.000 | 10000.000 |
| ASRCP[2] Input Cap. | 0.0200 | 0.0200 |
| ASRCP[2] Max Load | 10000.000 | 10000.000 |
| ASRCP[3] Input Cap. | 0.0200 | 0.0200 |
| ASRCP[3] Max Load | 10000.000 | 10000.000 |

| | | |
|---|---|---|
| ASRCP[4] Input Cap. | 0.0200 | 0.0200 |
| ASRCP[4] Max Load | 10000.000 | 10000.000 |
| ASRCP[5] Input Cap. | 0.0200 | 0.0200 |
| ASRCP[5] Max Load | 10000.000 | 10000.000 |
| ASRCP[6] Input Cap. | 0.0200 | 0.0200 |
| ASRCP[6] Max Load | 10000.000 | 10000.000 |
| REFIOA Input Cap. | 0.0200 | 0.0200 |
| REFIOA Max Load | 10000.000 | 10000.000 |
| REFIOB Input Cap. | 0.0200 | 0.0200 |
| REFIOB Max Load | 10000.000 | 10000.000 |

**Default Leakage Power**

| Default Leakage Power (mW) | vddedig |
|---|---|
| best 1.10 125 | 1.191e-05 |
| worst 0.90 -40 | 3.915e-08 |

# FILLCELL_STEP_EXT_ANAF_TO_CSF_FC_2ROWS

### Cell Description

FILLCELL_STEP_EXT_ANAF_TO_CSF_FC_2ROWS

- The cell has ”dont_use” attribute set in the Synopsys STF.
- The cell has ”dont_touch” attribute set in the Synopsys STF.

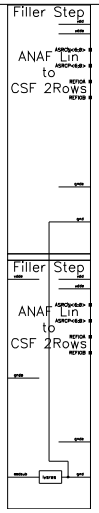
### Physical Dimensions

Area(um2) : 1661.640

### Glossary

Tr : Input Transition time
C : Output (capacitive) load
R : Rising edge
F : Falling edge

### Logical Symbol




### Cell Capacitance

| Parameter | Value(pF) | |
|---|---|---|
| | **best 1.10 125** | **worst 0.90 -40** |
| ASRCN[0] Input Cap. | 0.0200 | 0.0200 |
| ASRCN[0] Max Load | 10000.000 | 10000.000 |
| ASRCN[1] Input Cap. | 0.0200 | 0.0200 |
| ASRCN[1] Max Load | 10000.000 | 10000.000 |
| ASRCN[2] Input Cap. | 0.0200 | 0.0200 |
| ASRCN[2] Max Load | 10000.000 | 10000.000 |
| ASRCN[3] Input Cap. | 0.0200 | 0.0200 |
| ASRCN[3] Max Load | 10000.000 | 10000.000 |
| ASRCN[4] Input Cap. | 0.0200 | 0.0200 |
| ASRCN[4] Max Load | 10000.000 | 10000.000 |
| ASRCN[5] Input Cap. | 0.0200 | 0.0200 |
| ASRCN[5] Max Load | 10000.000 | 10000.000 |
| ASRCN[6] Input Cap. | 0.0200 | 0.0200 |
| ASRCN[6] Max Load | 10000.000 | 10000.000 |
| ASRCP[0] Input Cap. | 0.0200 | 0.0200 |
| ASRCP[0] Max Load | 10000.000 | 10000.000 |
| ASRCP[1] Input Cap. | 0.0200 | 0.0200 |
| ASRCP[1] Max Load | 10000.000 | 10000.000 |
| ASRCP[2] Input Cap. | 0.0200 | 0.0200 |
| ASRCP[2] Max Load | 10000.000 | 10000.000 |
| ASRCP[3] Input Cap. | 0.0200 | 0.0200 |
| ASRCP[3] Max Load | 10000.000 | 10000.000 |

| | | |
|---|---|---|
| ASRCP[4] Input Cap. | 0.0200 | 0.0200 |
| ASRCP[4] Max Load | 10000.000 | 10000.000 |
| ASRCP[5] Input Cap. | 0.0200 | 0.0200 |
| ASRCP[5] Max Load | 10000.000 | 10000.000 |
| ASRCP[6] Input Cap. | 0.0200 | 0.0200 |
| ASRCP[6] Max Load | 10000.000 | 10000.000 |
| REFIOA Input Cap. | 0.0200 | 0.0200 |
| REFIOA Max Load | 10000.000 | 10000.000 |
| REFIOB Input Cap. | 0.0200 | 0.0200 |
| REFIOB Max Load | 10000.000 | 10000.000 |

**Default Leakage Power**

| Default Leakage Power (mW) |
|---|
| best 1.10 125 |
| worst 0.90 -40 |

# FILLCELL_STEP_EXT_ANAF_TO_CSF_FC_LIN

### Cell Description

FILLCELL_STEP_EXT_ANAF_TO_CSF_FC_LIN

- The cell has ”dont_use” attribute set in the Synopsys STF.
- The cell has ”dont_touch” attribute set in the Synopsys STF.

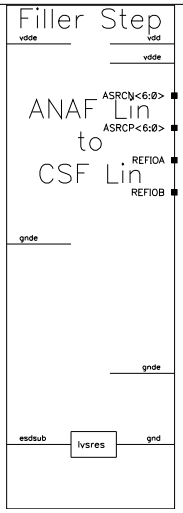
### Physical Dimensions

Area(um2) : 1661.640

### Glossary

Tr : Input Transition time
C : Output (capacitive) load
R : Rising edge
F : Falling edge

### Logical Symbol




### Cell Capacitance

| Parameter | Value(pF) | |
|---|---|---|
| | **best 1.10 125** | **worst 0.90 -40** |
| ASRCN[0] Input Cap. | 0.0200 | 0.0200 |
| ASRCN[0] Max Load | 10000.000 | 10000.000 |
| ASRCN[1] Input Cap. | 0.0200 | 0.0200 |
| ASRCN[1] Max Load | 10000.000 | 10000.000 |
| ASRCN[2] Input Cap. | 0.0200 | 0.0200 |
| ASRCN[2] Max Load | 10000.000 | 10000.000 |
| ASRCN[3] Input Cap. | 0.0200 | 0.0200 |
| ASRCN[3] Max Load | 10000.000 | 10000.000 |
| ASRCN[4] Input Cap. | 0.0200 | 0.0200 |
| ASRCN[4] Max Load | 10000.000 | 10000.000 |
| ASRCN[5] Input Cap. | 0.0200 | 0.0200 |
| ASRCN[5] Max Load | 10000.000 | 10000.000 |
| ASRCN[6] Input Cap. | 0.0200 | 0.0200 |
| ASRCN[6] Max Load | 10000.000 | 10000.000 |
| ASRCP[0] Input Cap. | 0.0200 | 0.0200 |
| ASRCP[0] Max Load | 10000.000 | 10000.000 |
| ASRCP[1] Input Cap. | 0.0200 | 0.0200 |
| ASRCP[1] Max Load | 10000.000 | 10000.000 |
| ASRCP[2] Input Cap. | 0.0200 | 0.0200 |
| ASRCP[2] Max Load | 10000.000 | 10000.000 |
| ASRCP[3] Input Cap. | 0.0200 | 0.0200 |
| ASRCP[3] Max Load | 10000.000 | 10000.000 |

| | | |
|---|---|---|
| ASRCP[4] Input Cap. | 0.0200 | 0.0200 |
| ASRCP[4] Max Load | 10000.000 | 10000.000 |
| ASRCP[5] Input Cap. | 0.0200 | 0.0200 |
| ASRCP[5] Max Load | 10000.000 | 10000.000 |
| ASRCP[6] Input Cap. | 0.0200 | 0.0200 |
| ASRCP[6] Max Load | 10000.000 | 10000.000 |
| REFIOA Input Cap. | 0.0200 | 0.0200 |
| REFIOA Max Load | 10000.000 | 10000.000 |
| REFIOB Input Cap. | 0.0200 | 0.0200 |
| REFIOB Max Load | 10000.000 | 10000.000 |

**Default Leakage Power**

| Default Leakage Power (mW) |
|---|
| best 1.10 125 |
| worst 0.90 -40 |

# FILLCUTCELL_ALL_EXT_ANA_FC_LIN

### Cell Description

FILLCUTCELL_ALL_EXT_ANA_FC_LIN

- The cell has ”dont_use” attribute set in the Synopsys STF.
- The cell has ”dont_touch” attribute set in the Synopsys STF.

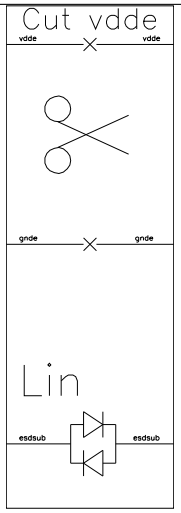
### Physical Dimensions

Area(um2) : 1208.000

### Glossary

Tr : Input Transition time
C : Output (capacitive) load
R : Rising edge
F : Falling edge

### Logical Symbol




### Default Leakage Power

| Default Leakage Power (mW) | vdderight |
|---|---|
| best 1.10 125 | 2.355e-05 |
| worst 0.90 -40 | 1.299e-07 |

# FILLCUTCELL_GNDE_EXT_ANA_CL_LIN

### Cell Description

FILLCUTCELL_GNDE_EXT_ANA_CL_LIN

- The cell has ”dont_use” attribute set in the Synopsys STF.
- The cell has ”dont_touch” attribute set in the Synopsys STF.

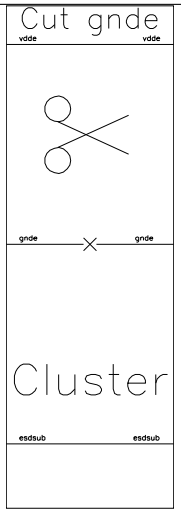
### Physical Dimensions

Area(um2) : 128.000

### Glossary

Tr : Input Transition time
C : Output (capacitive) load
R : Rising edge
F : Falling edge

### Logical Symbol




### Default Leakage Power

| Default Leakage Power (mW) |
|---|
| best 1.10 125 |
| worst 0.90 -40 |

# FILLCUTCELL_GNDE_EXT_ANA_FC_LIN

### Cell Description

FILLCUTCELL_GNDE_EXT_ANA_FC_LIN

- The cell has ”dont_use” attribute set in the Synopsys STF.
- The cell has ”dont_touch” attribute set in the Synopsys STF.

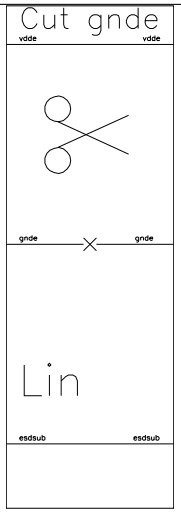
### Physical Dimensions

Area(um2) : 128.000

### Glossary

Tr : Input Transition time
C : Output (capacitive) load
R : Rising edge
F : Falling edge

### Logical Symbol




### Default Leakage Power

| Default Leakage Power (mW) |
|---|
| best 1.10 125 |
| worst 0.90 -40 |

# FILLCUTCELL_VDDE_EXT_ANA_CL_LIN

### Cell Description

FILLCUTCELL_VDDE_EXT_ANA_CL_LIN

- The cell has ”dont_use” attribute set in the Synopsys STF.
- The cell has ”dont_touch” attribute set in the Synopsys STF.

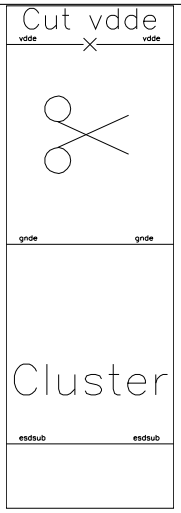
### Physical Dimensions

Area(um2) : 128.000

### Glossary

Tr : Input Transition time
C : Output (capacitive) load
R : Rising edge
F : Falling edge

### Logical Symbol




### Default Leakage Power

| Default Leakage Power (mW) |
|---|
| best 1.10 125 |
| worst 0.90 -40 |

# FILLCUTCELL_VDDE_EXT_ANA_FC_LIN

### Cell Description

FILLCUTCELL_VDDE_EXT_ANA_FC_LIN

- The cell has ”dont_use” attribute set in the Synopsys STF.
- The cell has ”dont_touch” attribute set in the Synopsys STF.

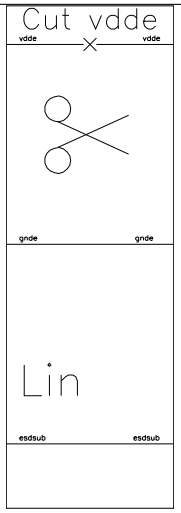
### Physical Dimensions

Area(um2) : 128.000

### Glossary

Tr : Input Transition time
C : Output (capacitive) load
R : Rising edge
F : Falling edge

### Logical Symbol




### Default Leakage Power

| Default Leakage Power (mW) |
|---|
| best 1.10 125 |
| worst 0.90 -40 |

# GNDCORE_EXT_ANA_CL_LIN

## Cell Description

GNDCORE_EXT_ANA_CL_LIN

- The cell has ”dont_use” attribute set in the Synopsys STF.
- The cell has ”dont_touch” attribute set in the Synopsys STF.

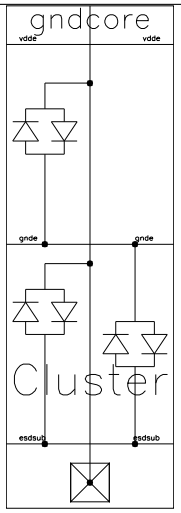
## Physical Dimensions

Area(um2) : 2400.000

## Glossary

Tr : Input Transition time
C : Output (capacitive) load
R : Rising edge
F : Falling edge

## Logical Symbol




### Default Leakage Power

| Default Leakage Power (mW) | vdde |
|---|---|
| best 1.10 125 | 3.037e-05 |
| worst 0.90 -40 | 2.039e-07 |

# GNDCORE_EXT_ANA_FC_LIN

### Cell Description

GNDCORE_EXT_ANA_FC_LIN

- The cell has ”dont_use” attribute set in the Synopsys STF.
- The cell has ”dont_touch” attribute set in the Synopsys STF.

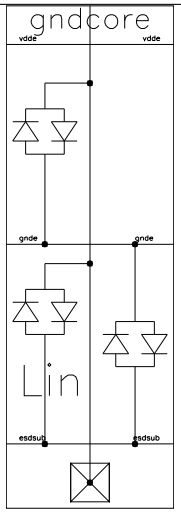
### Physical Dimensions

Area(um2) : 2400.000

### Glossary

Tr : Input Transition time
C : Output (capacitive) load
R : Rising edge
F : Falling edge

### Logical Symbol




### Default Leakage Power

| Default Leakage Power (mW) | vdde |
|---|---|
| best 1.10 125 | 3.037e-05 |
| worst 0.90 -40 | 2.039e-07 |

# GNDE_ESD_1V0_EXT_ANA_CL_LIN

### Cell Description

GNDE_ESD_1V0_EXT_ANA_CL_LIN

- The cell has ”dont_use” attribute set in the Synopsys STF.
- The cell has ”dont_touch” attribute set in the Synopsys STF.

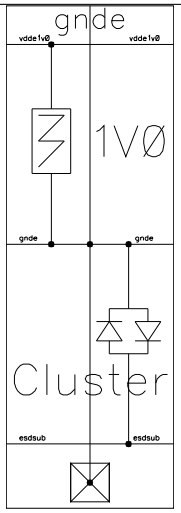
### Physical Dimensions

Area(um2) : 3200.000

### Glossary

Tr : Input Transition time
C : Output (capacitive) load
R : Rising edge
F : Falling edge

### Logical Symbol




### Default Leakage Power

| Default Leakage Power (mW) | vdde1v0 |
|---|---|
| best 1.10 125 | 4.227e-03 |
| worst 0.90 -40 | 4.941e-07 |

# GNDE_ESD_1V0_EXT_ANA_FC_LIN

### Cell Description

GNDE_ESD_1V0_EXT_ANA_FC_LIN

- The cell has ”dont_use” attribute set in the Synopsys STF.
- The cell has ”dont_touch” attribute set in the Synopsys STF.

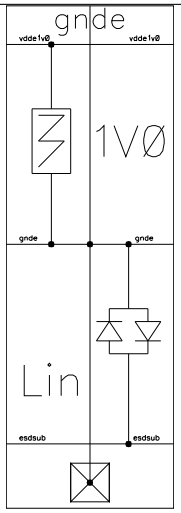
### Physical Dimensions

Area(um2) : 3200.000

### Glossary

Tr : Input Transition time
C : Output (capacitive) load
R : Rising edge
F : Falling edge

### Logical Symbol




### Default Leakage Power

| Default Leakage Power (mW) | vdde1v0 |
|---|---|
| best 1.10 125 | 4.227e-03 |
| worst 0.90 -40 | 4.941e-07 |

# GNDE_ESD_1V8_EXT_ANA_CL_LIN

## Cell Description

GNDE_ESD_1V8_EXT_ANA_CL_LIN

- The cell has ”dont_use” attribute set in the Synopsys STF.
- The cell has ”dont_touch” attribute set in the Synopsys STF.

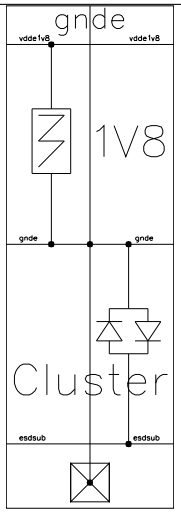
## Physical Dimensions

Area(um2) : 3200.000

## Glossary

Tr : Input Transition time
C : Output (capacitive) load
R : Rising edge
F : Falling edge

## Logical Symbol




### Default Leakage Power

| Default Leakage Power (mW) | vdde1v8 |
|---|---|
| best 1.10 125 | 4.795e-03 |
| worst 0.90 -40 | 3.303e-06 |

# GNDE_ESD_1V8_EXT_ANA_FC_LIN

### Cell Description

GNDE_ESD_1V8_EXT_ANA_FC_LIN

- The cell has ”dont_use” attribute set in the Synopsys STF.
- The cell has ”dont_touch” attribute set in the Synopsys STF.

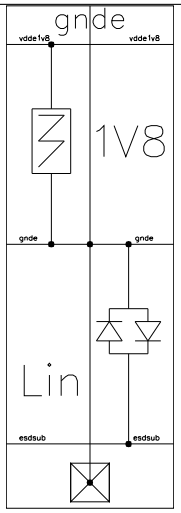
### Physical Dimensions

Area(um2) : 3200.000

### Glossary

Tr : Input Transition time
C : Output (capacitive) load
R : Rising edge
F : Falling edge

### Logical Symbol




### Default Leakage Power

| Default Leakage Power (mW) | vdde1v8 |
|---|---|
| best 1.10 125 | 4.795e-03 |
| worst 0.90 -40 | 3.303e-06 |

# GNDE_NOESD_EXT_ANA_CL_LIN

### Cell Description

GNDE_NOESD_EXT_ANA_CL_LIN

- The cell has ”dont_use” attribute set in the Synopsys STF.
- The cell has ”dont_touch” attribute set in the Synopsys STF.

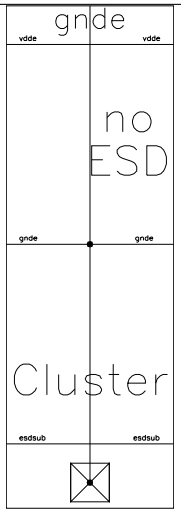
### Physical Dimensions

Area(um2) : 3200.000

### Glossary

Tr : Input Transition time
C : Output (capacitive) load
R : Rising edge
F : Falling edge

### Logical Symbol




### Default Leakage Power

| Default Leakage Power (mW) |
|---|
| best 1.10 125 |
| worst 0.90 -40 |

# GNDE_NOESD_EXT_ANA_FC_LIN

### Cell Description

GNDE_NOESD_EXT_ANA_FC_LIN

- The cell has ”dont_use” attribute set in the Synopsys STF.
- The cell has ”dont_touch” attribute set in the Synopsys STF.

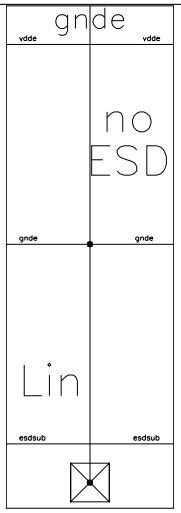
### Physical Dimensions

Area(um2) : 3200.000

### Glossary

Tr : Input Transition time
C : Output (capacitive) load
R : Rising edge
F : Falling edge

### Logical Symbol




### Default Leakage Power

| Default Leakage Power (mW) |
|---|
| best 1.10 125 |
| worst 0.90 -40 |

# IO_20UM_3V3_50OHMS_EXT_ANA_CL_LIN

## Cell Description

IO_20UM_3V3_50OHMS_EXT_ANA_CL_LIN

- The cell has ”dont_use” attribute set in the Synopsys STF.
- The cell has ”dont_touch” attribute set in the Synopsys STF.

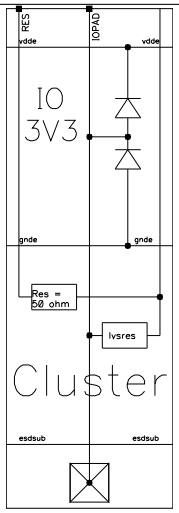
## Physical Dimensions

Area(um2) : 1600.000

## Glossary

Tr : Input Transition time
C : Output (capacitive) load
R : Rising edge
F : Falling edge

## Logical Symbol




### Cell Capacitance

| Parameter | Value(pF) | |
|---|---|---|
| | **best 1.10 125** | **worst 0.90 -40** |
| IOPAD Input Cap. | 0.0200 | 0.0200 |
| IOPAD Max Load | 10000.000 | 10000.000 |
| RES Input Cap. | 0.0200 | 0.0200 |
| RES Max Load | 10000.000 | 10000.000 |

### Default Leakage Power

| Default Leakage Power (mW) | vdde |
|---|---|
| best 1.10 125 | 6.310e-06 |
| worst 0.90 -40 | 7.224e-08 |

# IO_20UM_3V3_50OHMS_EXT_ANA_FC_LIN

## Cell Description

IO_20UM_3V3_50OHMS_EXT_ANA_FC_LIN

- The cell has ”dont_use” attribute set in the Synopsys STF.
- The cell has ”dont_touch” attribute set in the Synopsys STF.

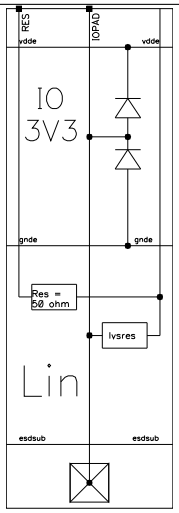
## Physical Dimensions

Area(um2) : 1600.000

## Glossary

Tr : Input Transition time
C : Output (capacitive) load
R : Rising edge
F : Falling edge

## Logical Symbol




### Cell Capacitance

| Parameter | Value(pF) | |
|---|---|---|
| | **best 1.10 125** | **worst 0.90 -40** |
| IOPAD Input Cap. | 0.0200 | 0.0200 |
| IOPAD Max Load | 10000.000 | 10000.000 |
| RES Input Cap. | 0.0200 | 0.0200 |
| RES Max Load | 10000.000 | 10000.000 |

### Default Leakage Power

| Default Leakage Power (mW) | vdde |
|---|---|
| best 1.10 125 | 6.310e-06 |
| worst 0.90 -40 | 7.224e-08 |

# IO_20UM_3V3_EXT_ANA_CL_LIN

## Cell Description

IO_20UM_3V3_EXT_ANA_CL_LIN

- The cell has ”dont_use” attribute set in the Synopsys STF.
- The cell has ”dont_touch” attribute set in the Synopsys STF.

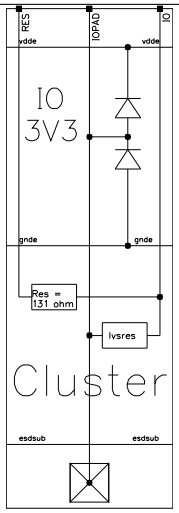
## Physical Dimensions

Area(um2) : 1600.000

## Glossary

Tr : Input Transition time
C : Output (capacitive) load
R : Rising edge
F : Falling edge

## Logical Symbol




### Cell Capacitance

| Parameter | Value(pF) | |
|---|---|---|
| | **best 1.10 125** | **worst 0.90 -40** |
| IO Input Cap. | 1.0000 | 1.0000 |
| IO Max Load | 10000.000 | 10000.000 |
| IOPAD Input Cap. | 0.0200 | 0.0200 |
| IOPAD Max Load | 10000.000 | 10000.000 |
| RES Input Cap. | 0.0200 | 0.0200 |
| RES Max Load | 10000.000 | 10000.000 |

### Default Leakage Power

| Default Leakage Power (mW) | vdde |
|---|---|
| best 1.10 125 | 6.310e-06 |
| worst 0.90 -40 | 7.232e-08 |

# IO_20UM_3V3_EXT_ANA_FC_LIN

### Cell Description

IO_20UM_3V3_EXT_ANA_FC_LIN

- The cell has ”dont_use” attribute set in the Synopsys STF.
- The cell has ”dont_touch” attribute set in the Synopsys STF.

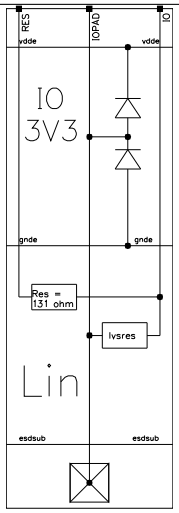
### Physical Dimensions

Area(um2) : 1600.000

### Glossary

Tr : Input Transition time
C : Output (capacitive) load
R : Rising edge
F : Falling edge

### Logical Symbol




### Cell Capacitance

| Parameter | Value(pF) | |
|---|---|---|
| | **best 1.10 125** | **worst 0.90 -40** |
| IO Input Cap. | 1.0000 | 1.0000 |
| IO Max Load | 10000.000 | 10000.000 |
| IOPAD Input Cap. | 0.0200 | 0.0200 |
| IOPAD Max Load | 10000.000 | 10000.000 |
| RES Input Cap. | 0.0200 | 0.0200 |
| RES Max Load | 10000.000 | 10000.000 |

### Default Leakage Power

| Default Leakage Power (mW) | vdde |
|---|---|
| best 1.10 125 | 6.310e-06 |
| worst 0.90 -40 | 7.232e-08 |

# IO_20UM_50OHMS_EXT_ANA_CL_LIN

## Cell Description

IO_20UM_50OHMS_EXT_ANA_CL_LIN

- The cell has ”dont_use” attribute set in the Synopsys STF.
- The cell has ”dont_touch” attribute set in the Synopsys STF.

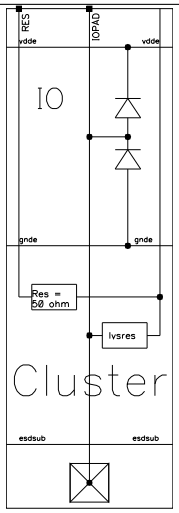
## Physical Dimensions

Area(um2) : 1600.000

## Glossary

Tr : Input Transition time
C : Output (capacitive) load
R : Rising edge
F : Falling edge

## Logical Symbol




### Cell Capacitance

| Parameter | Value(pF) | |
|---|---|---|
| | **best 1.10 125** | **worst 0.90 -40** |
| IOPAD Input Cap. | 0.0200 | 0.0200 |
| IOPAD Max Load | 10000.000 | 10000.000 |
| RES Input Cap. | 0.0200 | 0.0200 |
| RES Max Load | 10000.000 | 10000.000 |

### Default Leakage Power

| Default Leakage Power (mW) | vdde |
|---|---|
| best 1.10 125 | 3.300e-06 |
| worst 0.90 -40 | 2.049e-08 |

# IO_20UM_50OHMS_EXT_ANA_FC_LIN

### Cell Description

IO_20UM_50OHMS_EXT_ANA_FC_LIN

- The cell has ”dont_use” attribute set in the Synopsys STF.
- The cell has ”dont_touch” attribute set in the Synopsys STF.

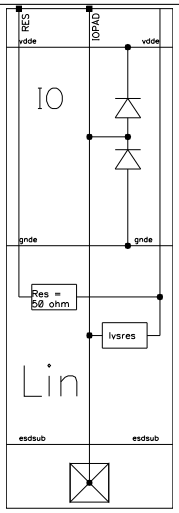
### Physical Dimensions

Area(um2) : 1600.000

### Glossary

Tr : Input Transition time
C : Output (capacitive) load
R : Rising edge
F : Falling edge

### Logical Symbol




### Cell Capacitance

| Parameter | Value(pF) | |
|---|---|---|
| | **best 1.10 125** | **worst 0.90 -40** |
| IOPAD Input Cap. | 0.0200 | 0.0200 |
| IOPAD Max Load | 10000.000 | 10000.000 |
| RES Input Cap. | 0.0200 | 0.0200 |
| RES Max Load | 10000.000 | 10000.000 |

### Default Leakage Power

| Default Leakage Power (mW) | vdde |
|---|---|
| best 1.10 125 | 3.300e-06 |
| worst 0.90 -40 | 2.049e-08 |

# IO_20UM_EXT_ANA_CL_LIN

## Cell Description

IO_20UM_EXT_ANA_CL_LIN

- The cell has ”dont_use” attribute set in the Synopsys STF.
- The cell has ”dont_touch” attribute set in the Synopsys STF.

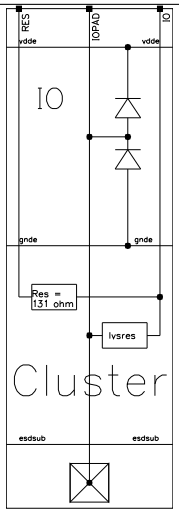
## Physical Dimensions

Area(um2) : 1600.000

## Glossary

Tr : Input Transition time
C : Output (capacitive) load
R : Rising edge
F : Falling edge

## Logical Symbol




### Cell Capacitance

| Parameter | Value(pF) | |
|---|---|---|
| | **best 1.10 125** | **worst 0.90 -40** |
| IO Input Cap. | 1.0000 | 1.0000 |
| IO Max Load | 10000.000 | 10000.000 |
| IOPAD Input Cap. | 0.0200 | 0.0200 |
| IOPAD Max Load | 10000.000 | 10000.000 |
| RES Input Cap. | 0.0200 | 0.0200 |
| RES Max Load | 10000.000 | 10000.000 |

### Default Leakage Power

| Default Leakage Power (mW) | vdde |
|---|---|
| best 1.10 125 | 3.300e-06 |
| worst 0.90 -40 | 2.056e-08 |

# IO_20UM_EXT_ANA_FC_LIN

### Cell Description

IO_20UM_EXT_ANA_FC_LIN

- The cell has ”dont_use” attribute set in the Synopsys STF.
- The cell has ”dont_touch” attribute set in the Synopsys STF.

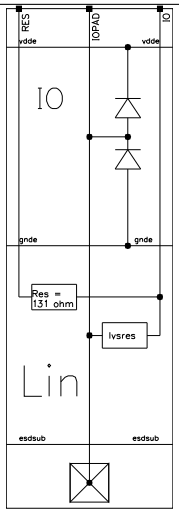
### Physical Dimensions

Area(um2) : 1600.000

### Glossary

Tr : Input Transition time
C : Output (capacitive) load
R : Rising edge
F : Falling edge

### Logical Symbol




### Cell Capacitance

| Parameter | Value(pF) | |
|---|---|---|
| | **best 1.10 125** | **worst 0.90 -40** |
| IO Input Cap. | 1.0000 | 1.0000 |
| IO Max Load | 10000.000 | 10000.000 |
| IOPAD Input Cap. | 0.0200 | 0.0200 |
| IOPAD Max Load | 10000.000 | 10000.000 |
| RES Input Cap. | 0.0200 | 0.0200 |
| RES Max Load | 10000.000 | 10000.000 |

### Default Leakage Power

| Default Leakage Power (mW) | vdde |
|---|---|
| best 1.10 125 | 3.300e-06 |
| worst 0.90 -40 | 2.056e-08 |

# IO_UHF_EXT_ANA_CL_LIN

### Cell Description

IO_UHF_EXT_ANA_CL_LIN

- The cell has ”dont_use” attribute set in the Synopsys STF.
- The cell has ”dont_touch” attribute set in the Synopsys STF.

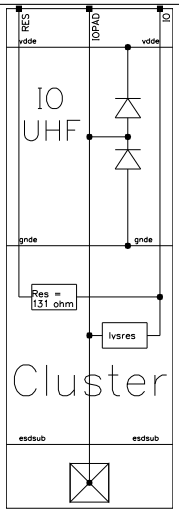
### Physical Dimensions

Area(um2) : 3200.000

### Glossary

Tr : Input Transition time
C : Output (capacitive) load
R : Rising edge
F : Falling edge

### Logical Symbol




### Cell Capacitance

| Parameter | Value(pF) | |
|---|---|---|
| | **best 1.10 125** | **worst 0.90 -40** |
| IO Input Cap. | 1.0000 | 1.0000 |
| IO Max Load | 10000.000 | 10000.000 |
| IOPAD Input Cap. | 0.0200 | 0.0200 |
| IOPAD Max Load | 10000.000 | 10000.000 |
| RES Input Cap. | 0.0200 | 0.0200 |
| RES Max Load | 10000.000 | 10000.000 |

### Default Leakage Power

| Default Leakage Power (mW) | vdde |
|---|---|
| best 1.10 125 | 1.022e-05 |
| worst 0.90 -40 | 6.505e-08 |

# IO_UHF_EXT_ANA_FC_LIN

### Cell Description

IO_UHF_EXT_ANA_FC_LIN

- The cell has ”dont_use” attribute set in the Synopsys STF.
- The cell has ”dont_touch” attribute set in the Synopsys STF.

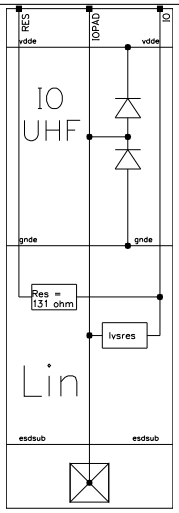
### Physical Dimensions

Area(um2) : 3200.000

### Glossary

Tr : Input Transition time
C : Output (capacitive) load
R : Rising edge
F : Falling edge

### Logical Symbol




### Cell Capacitance

| Parameter | Value(pF) | |
|---|---|---|
| | **best 1.10 125** | **worst 0.90 -40** |
| IO Input Cap. | 1.0000 | 1.0000 |
| IO Max Load | 10000.000 | 10000.000 |
| IOPAD Input Cap. | 0.0200 | 0.0200 |
| IOPAD Max Load | 10000.000 | 10000.000 |
| RES Input Cap. | 0.0200 | 0.0200 |
| RES Max Load | 10000.000 | 10000.000 |

### Default Leakage Power

| Default Leakage Power (mW) | vdde |
|---|---|
| best 1.10 125 | 1.022e-05 |
| worst 0.90 -40 | 6.505e-08 |

# VDDCORE_1V0_ESDSUB_EXT_ANA_CL_LIN

### Cell Description

VDDCORE_1V0_ESDSUB_EXT_ANA_CL_LIN

- The cell has ”dont_use” attribute set in the Synopsys STF.
- The cell has ”dont_touch” attribute set in the Synopsys STF.

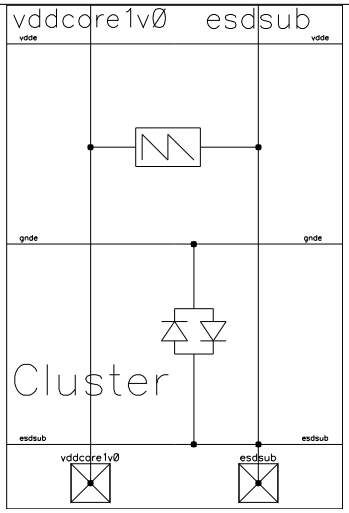
### Physical Dimensions

Area(um2) : 5600.000

### Glossary

Tr : Input Transition time
C : Output (capacitive) load
R : Rising edge
F : Falling edge

### Logical Symbol




### Default Leakage Power

| Default Leakage Power (mW) | vddcore1v0 | vdde |
|---|---|---|
| best 1.10 125 | 1.147e-02 | 0.000e+00 |
| worst 0.90 -40 | 1.321e-06 | 0.000e+00 |

# VDDCORE_1V0_ESDSUB_EXT_ANA_FC_LIN

### Cell Description

VDDCORE_1V0_ESDSUB_EXT_ANA_FC_LIN

- The cell has ”dont_use” attribute set in the Synopsys STF.
- The cell has ”dont_touch” attribute set in the Synopsys STF.

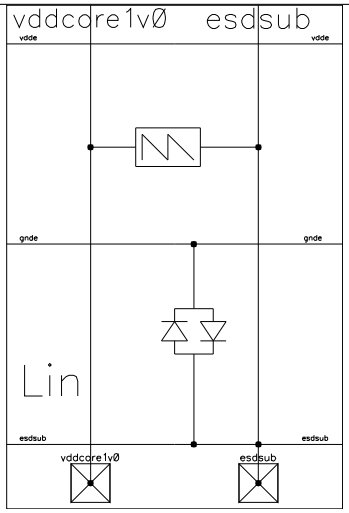
### Physical Dimensions

Area(um2) : 5600.000

### Glossary

Tr : Input Transition time
C : Output (capacitive) load
R : Rising edge
F : Falling edge

### Logical Symbol




### Default Leakage Power

| Default Leakage Power (mW) | vddcore1v0 | vdde |
|---|---|---|
| best 1.10 125 | 1.147e-02 | 0.000e+00 |
| worst 0.90 -40 | 1.321e-06 | 0.000e+00 |

# VDDCORE_1V0_GNDCORE_EXT_ANA_CL_LIN

### Cell Description

VDDCORE_1V0_GNDCORE_EXT_ANA_CL_LIN

- The cell has ”dont_use” attribute set in the Synopsys STF.
- The cell has ”dont_touch” attribute set in the Synopsys STF.

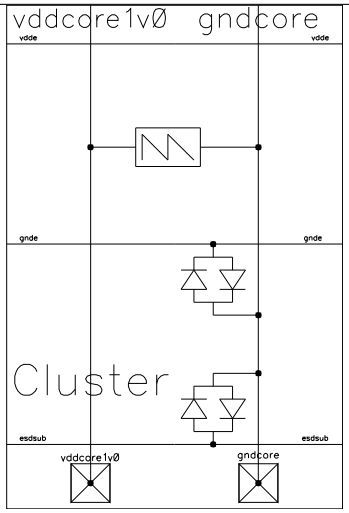
### Physical Dimensions

Area(um2) : 5600.000

### Glossary

Tr : Input Transition time
C : Output (capacitive) load
R : Rising edge
F : Falling edge

### Logical Symbol




### Default Leakage Power

| Default Leakage Power (mW) | vddcore1v0 | vdde |
|---|---|---|
| best 1.10 125 | 1.147e-02 | 0.000e+00 |
| worst 0.90 -40 | 1.321e-06 | 0.000e+00 |

# VDDCORE_1V0_GNDCORE_EXT_ANA_FC_LIN

### Cell Description

VDDCORE_1V0_GNDCORE_EXT_ANA_FC_LIN

- The cell has ”dont_use” attribute set in the Synopsys STF.
- The cell has ”dont_touch” attribute set in the Synopsys STF.

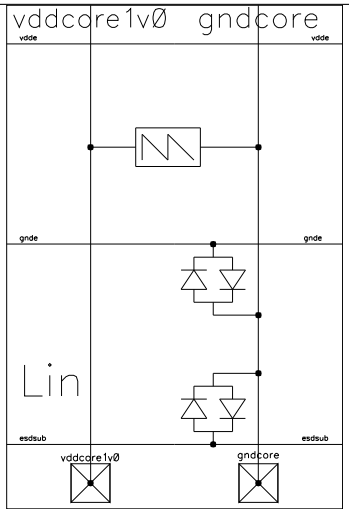
### Physical Dimensions

Area(um2) : 5600.000

### Glossary

Tr : Input Transition time
C : Output (capacitive) load
R : Rising edge
F : Falling edge

### Logical Symbol




### Default Leakage Power

| Default Leakage Power (mW) | vddcore1v0 | vdde |
|---|---|---|
| best 1.10 125 | 1.147e-02 | 0.000e+00 |
| worst 0.90 -40 | 1.321e-06 | 0.000e+00 |

# VDDCORE_1V0_GNDE_EXT_ANA_CL_LIN

### Cell Description

VDDCORE_1V0_GNDE_EXT_ANA_CL_LIN

- The cell has ”dont_use” attribute set in the Synopsys STF.
- The cell has ”dont_touch” attribute set in the Synopsys STF.

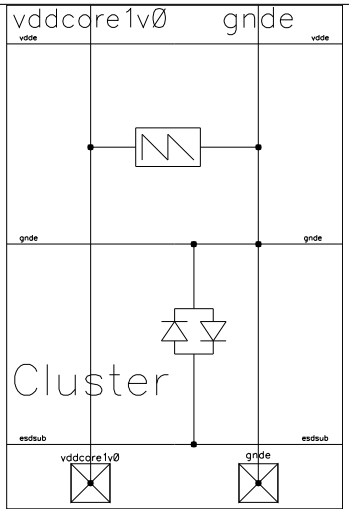
### Physical Dimensions

Area(um2) : 5600.000

### Glossary

Tr : Input Transition time
C : Output (capacitive) load
R : Rising edge
F : Falling edge

### Logical Symbol




### Default Leakage Power

| Default Leakage Power (mW) | vddcore1v0 | vdde |
|---|---|---|
| best 1.10 125 | 1.147e-02 | 0.000e+00 |
| worst 0.90 -40 | 1.320e-06 | 0.000e+00 |

# VDDCORE_1V0_GNDE_EXT_ANA_FC_LIN

### Cell Description

VDDCORE_1V0_GNDE_EXT_ANA_FC_LIN

- The cell has ”dont_use” attribute set in the Synopsys STF.
- The cell has ”dont_touch” attribute set in the Synopsys STF.

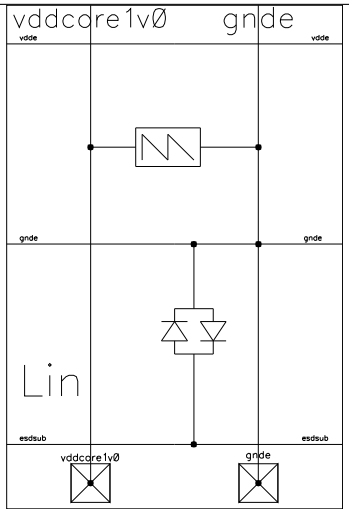
### Physical Dimensions

Area(um2) : 5600.000

### Glossary

Tr : Input Transition time
C : Output (capacitive) load
R : Rising edge
F : Falling edge

### Logical Symbol




### Default Leakage Power

| Default Leakage Power (mW) | vddcore1v0 | vdde |
|---|---|---|
| best 1.10 125 | 1.147e-02 | 0.000e+00 |
| worst 0.90 -40 | 1.320e-06 | 0.000e+00 |

# VDDCORE_1V8_ESDSUB_EXT_ANA_CL_LIN

### Cell Description

VDDCORE_1V8_ESDSUB_EXT_ANA_CL_LIN

- The cell has ”dont_use” attribute set in the Synopsys STF.
- The cell has ”dont_touch” attribute set in the Synopsys STF.

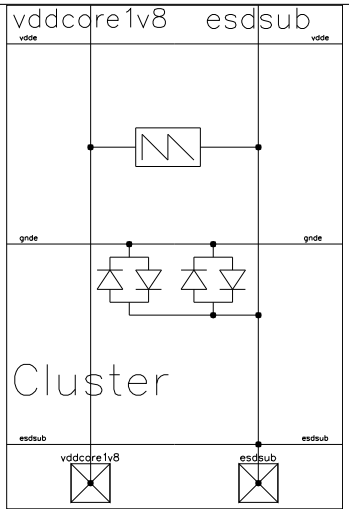
### Physical Dimensions

Area(um2) : 5600.000

### Glossary

Tr : Input Transition time
C : Output (capacitive) load
R : Rising edge
F : Falling edge

### Logical Symbol




### Default Leakage Power

| Default Leakage Power (mW) | vddcore1v8 | vdde |
|---|---|---|
| best 1.10 125 | 7.265e-03 | 0.000e+00 |
| worst 0.90 -40 | 5.888e-06 | 0.000e+00 |

# VDDCORE_1V8_ESDSUB_EXT_ANA_FC_LIN

## Cell Description

VDDCORE_1V8_ESDSUB_EXT_ANA_FC_LIN

- The cell has ”dont_use” attribute set in the Synopsys STF.
- The cell has ”dont_touch” attribute set in the Synopsys STF.

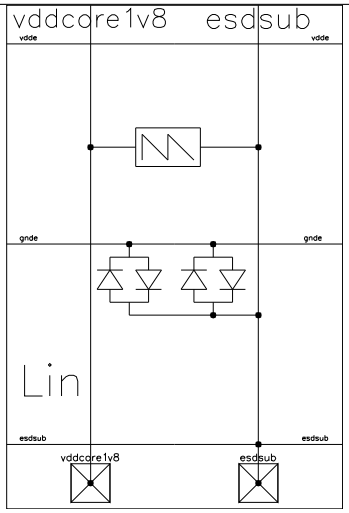
## Physical Dimensions

Area(um2) : 5600.000

## Glossary

Tr : Input Transition time
C : Output (capacitive) load
R : Rising edge
F : Falling edge

## Logical Symbol




### Default Leakage Power

| Default Leakage Power (mW) | vddcore1v8 | vdde |
|---|---|---|
| best 1.10 125 | 7.265e-03 | 0.000e+00 |
| worst 0.90 -40 | 5.888e-06 | 0.000e+00 |

# VDDCORE_1V8_GNDCORE_EXT_ANA_CL_LIN

### Cell Description

VDDCORE_1V8_GNDCORE_EXT_ANA_CL_LIN

- The cell has ”dont_use” attribute set in the Synopsys STF.
- The cell has ”dont_touch” attribute set in the Synopsys STF.

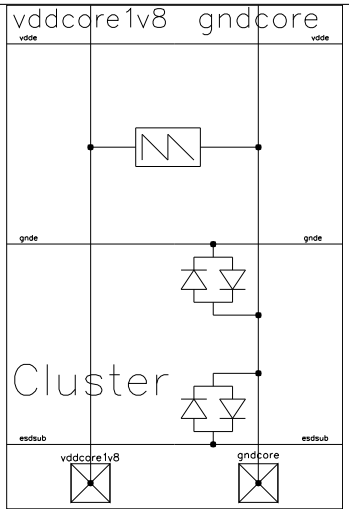
### Physical Dimensions

Area(um2) : 5600.000

### Glossary

Tr : Input Transition time
C : Output (capacitive) load
R : Rising edge
F : Falling edge

### Logical Symbol




### Default Leakage Power

| Default Leakage Power (mW) | vddcore1v8 | vdde |
|---|---|---|
| best 1.10 125 | 7.265e-03 | 0.000e+00 |
| worst 0.90 -40 | 5.885e-06 | 0.000e+00 |

# VDDCORE_1V8_GNDCORE_EXT_ANA_FC_LIN

### Cell Description

VDDCORE_1V8_GNDCORE_EXT_ANA_FC_LIN

- The cell has ”dont_use” attribute set in the Synopsys STF.
- The cell has ”dont_touch” attribute set in the Synopsys STF.

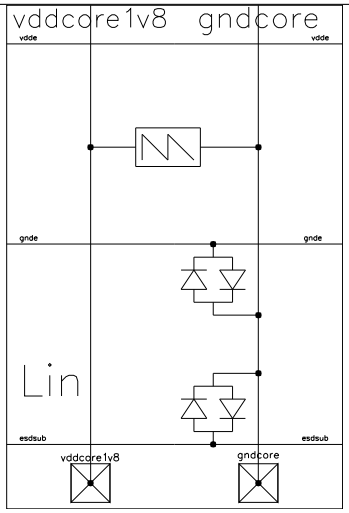
### Physical Dimensions

Area(um2) : 5600.000

### Glossary

Tr : Input Transition time
C : Output (capacitive) load
R : Rising edge
F : Falling edge

### Logical Symbol




### Default Leakage Power

| Default Leakage Power (mW) | vddcore1v8 | vdde |
|---|---|---|
| best 1.10 125 | 7.265e-03 | 0.000e+00 |
| worst 0.90 -40 | 5.885e-06 | 0.000e+00 |

# VDDCORE_1V8_GNDE_EXT_ANA_CL_LIN

## Cell Description

VDDCORE_1V8_GNDE_EXT_ANA_CL_LIN

- The cell has ”dont_use” attribute set in the Synopsys STF.
- The cell has ”dont_touch” attribute set in the Synopsys STF.

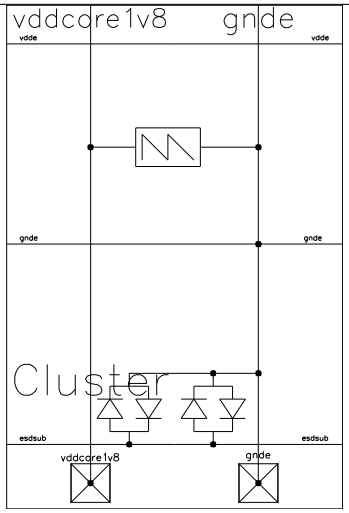
## Physical Dimensions

Area(um2) : 5600.000

## Glossary

Tr : Input Transition time
C : Output (capacitive) load
R : Rising edge
F : Falling edge

## Logical Symbol




### Default Leakage Power

| Default Leakage Power (mW) | vddcore1v8 | vdde |
|---|---|---|
| best 1.10 125 | 7.265e-03 | 0.000e+00 |
| worst 0.90 -40 | 5.888e-06 | 0.000e+00 |

# VDDCORE_1V8_GNDE_EXT_ANA_FC_LIN

### Cell Description

VDDCORE_1V8_GNDE_EXT_ANA_FC_LIN

- The cell has ”dont_use” attribute set in the Synopsys STF.
- The cell has ”dont_touch” attribute set in the Synopsys STF.

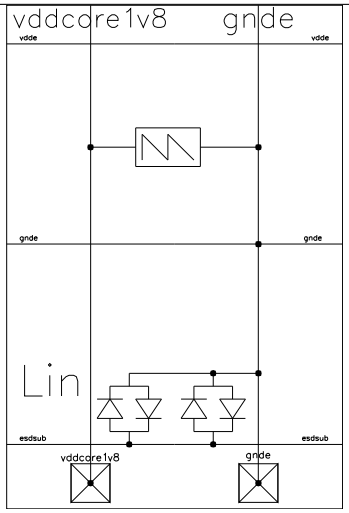
### Physical Dimensions

Area(um2) : 5600.000

### Glossary

Tr : Input Transition time
C : Output (capacitive) load
R : Rising edge
F : Falling edge

### Logical Symbol




### Default Leakage Power

| Default Leakage Power (mW) | vddcore1v8 | vdde |
|---|---|---|
| best 1.10 125 | 7.265e-03 | 0.000e+00 |
| worst 0.90 -40 | 5.888e-06 | 0.000e+00 |

# VDDCORE_3V3_ESDSUB_EXT_ANA_CL_LIN

### Cell Description

VDDCORE_3V3_ESDSUB_EXT_ANA_CL_LIN

- The cell has ”dont_use” attribute set in the Synopsys STF.
- The cell has ”dont_touch” attribute set in the Synopsys STF.

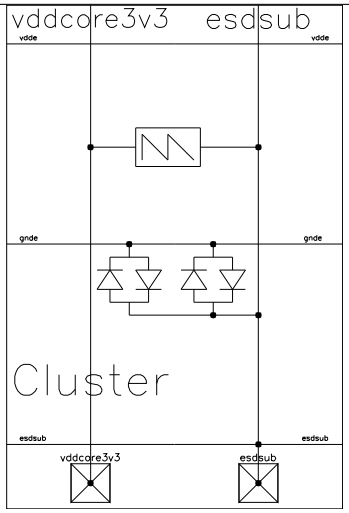
### Physical Dimensions

Area(um2) : 8000.000

### Glossary

Tr : Input Transition time
C : Output (capacitive) load
R : Rising edge
F : Falling edge

### Logical Symbol




### Default Leakage Power

| Default Leakage Power (mW) | vddcore3v3 | vdde |
|---|---|---|
| best 1.10 125 | 9.320e-03 | 9.493e-26 |
| worst 0.90 -40 | 4.224e-06 | 0.000e+00 |

# VDDCORE_3V3_ESDSUB_EXT_ANA_FC_LIN

### Cell Description

VDDCORE_3V3_ESDSUB_EXT_ANA_FC_LIN

- The cell has ”dont_use” attribute set in the Synopsys STF.
- The cell has ”dont_touch” attribute set in the Synopsys STF.

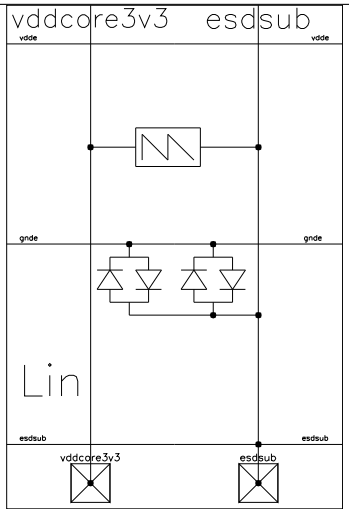
### Physical Dimensions

Area(um2) : 8000.000

### Glossary

Tr : Input Transition time
C : Output (capacitive) load
R : Rising edge
F : Falling edge

### Logical Symbol




### Default Leakage Power

| Default Leakage Power (mW) | vddcore3v3 | vdde |
|---|---|---|
| best 1.10 125 | 9.320e-03 | 9.493e-26 |
| worst 0.90 -40 | 4.224e-06 | 0.000e+00 |

# VDDCORE_3V3_GNDCORE_EXT_ANA_CL_LIN

## Cell Description

VDDCORE_3V3_GNDCORE_EXT_ANA_CL_LIN

- The cell has ”dont_use” attribute set in the Synopsys STF.
- The cell has ”dont_touch” attribute set in the Synopsys STF.

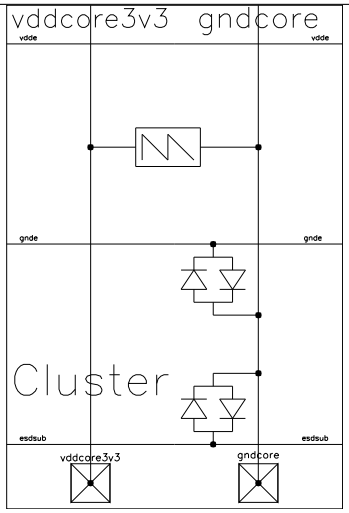
## Physical Dimensions

Area(um2) : 8000.000

## Glossary

Tr : Input Transition time
C : Output (capacitive) load
R : Rising edge
F : Falling edge

## Logical Symbol




### Default Leakage Power

| Default Leakage Power (mW) | vddcore3v3 | vdde |
|---|---|---|
| best 1.10 125 | 9.320e-03 | 0.000e+00 |
| worst 0.90 -40 | 4.224e-06 | 0.000e+00 |

# VDDCORE_3V3_GNDCORE_EXT_ANA_FC_LIN

## Cell Description

VDDCORE_3V3_GNDCORE_EXT_ANA_FC_LIN

- The cell has ”dont_use” attribute set in the Synopsys STF.
- The cell has ”dont_touch” attribute set in the Synopsys STF.

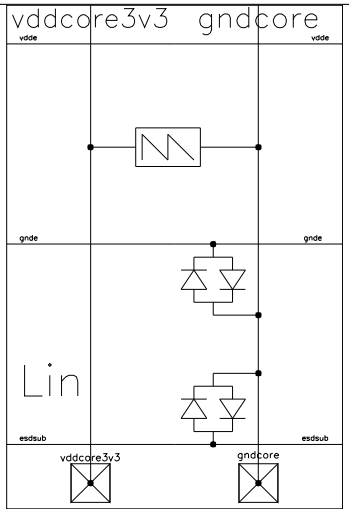
## Physical Dimensions

Area(um2) : 8000.000

## Glossary

Tr : Input Transition time
C : Output (capacitive) load
R : Rising edge
F : Falling edge

## Logical Symbol




### Default Leakage Power

| Default Leakage Power (mW) | vddcore3v3 | vdde |
|---|---|---|
| best 1.10 125 | 9.320e-03 | 0.000e+00 |
| worst 0.90 -40 | 4.224e-06 | 0.000e+00 |

# VDDCORE_3V3_GNDE_EXT_ANA_CL_LIN

### Cell Description

VDDCORE_3V3_GNDE_EXT_ANA_CL_LIN

- The cell has ”dont_use” attribute set in the Synopsys STF.
- The cell has ”dont_touch” attribute set in the Synopsys STF.

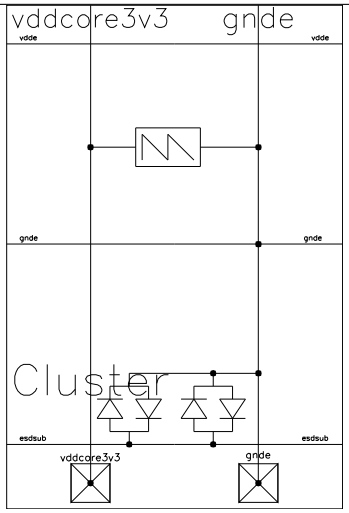
### Physical Dimensions

Area(um2) : 8000.000

### Glossary

Tr : Input Transition time
C : Output (capacitive) load
R : Rising edge
F : Falling edge

### Logical Symbol




### Default Leakage Power

| Default Leakage Power (mW) | vddcore3v3 | vdde |
|---|---|---|
| best 1.10 125 | 9.320e-03 | 0.000e+00 |
| worst 0.90 -40 | 4.224e-06 | 0.000e+00 |

# VDDCORE_3V3_GNDE_EXT_ANA_FC_LIN

### Cell Description

VDDCORE_3V3_GNDE_EXT_ANA_FC_LIN

- The cell has ”dont_use” attribute set in the Synopsys STF.
- The cell has ”dont_touch” attribute set in the Synopsys STF.

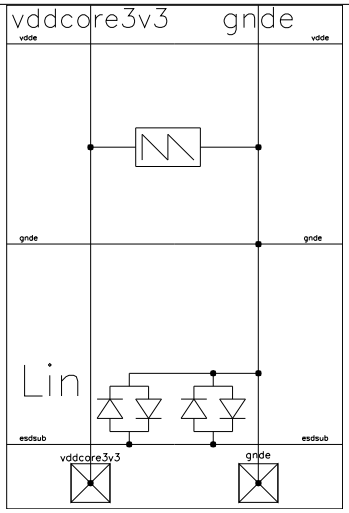
### Physical Dimensions

Area(um2) : 8000.000

### Glossary

Tr : Input Transition time
C : Output (capacitive) load
R : Rising edge
F : Falling edge

### Logical Symbol




### Default Leakage Power

| Default Leakage Power (mW) | vddcore3v3 | vdde |
|---|---|---|
| best 1.10 125 | 9.320e-03 | 0.000e+00 |
| worst 0.90 -40 | 4.224e-06 | 0.000e+00 |

# VDDE_ESD_1V0_EXT_ANA_CL_LIN

### Cell Description

VDDE_ESD_1V0_EXT_ANA_CL_LIN

- The cell has ”dont_use” attribute set in the Synopsys STF.
- The cell has ”dont_touch” attribute set in the Synopsys STF.

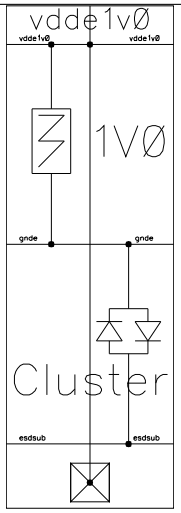
### Physical Dimensions

Area(um2) : 3200.000

### Glossary

Tr : Input Transition time
C : Output (capacitive) load
R : Rising edge
F : Falling edge

### Logical Symbol




### Default Leakage Power

| Default Leakage Power (mW) | vdde1v0 |
|---|---|
| best 1.10 125 | 4.227e-03 |
| worst 0.90 -40 | 4.941e-07 |

# VDDE_ESD_1V0_EXT_ANA_FC_LIN

### Cell Description

VDDE_ESD_1V0_EXT_ANA_FC_LIN

- The cell has ”dont_use” attribute set in the Synopsys STF.
- The cell has ”dont_touch” attribute set in the Synopsys STF.

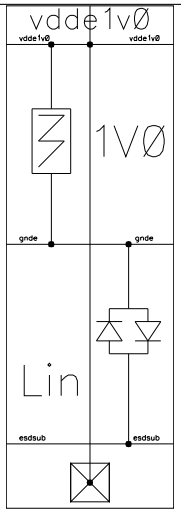
### Physical Dimensions

Area(um2) : 3200.000

### Glossary

Tr : Input Transition time
C : Output (capacitive) load
R : Rising edge
F : Falling edge

### Logical Symbol




### Default Leakage Power

| Default Leakage Power (mW) | vdde1v0 |
|---|---|
| best 1.10 125 | 4.227e-03 |
| worst 0.90 -40 | 4.941e-07 |

# VDDE_ESD_1V8_EXT_ANA_CL_LIN

### Cell Description

VDDE_ESD_1V8_EXT_ANA_CL_LIN

- The cell has ”dont_use” attribute set in the Synopsys STF.
- The cell has ”dont_touch” attribute set in the Synopsys STF.

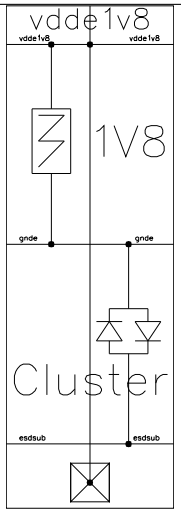
### Physical Dimensions

Area(um2) : 3200.000

### Glossary

Tr : Input Transition time
C : Output (capacitive) load
R : Rising edge
F : Falling edge

### Logical Symbol




### Default Leakage Power

| Default Leakage Power (mW) | vdde1v8 |
|---|---|
| best 1.10 125 | 4.795e-03 |
| worst 0.90 -40 | 3.303e-06 |

# VDDE_ESD_1V8_EXT_ANA_FC_LIN

### Cell Description

VDDE_ESD_1V8_EXT_ANA_FC_LIN

- The cell has ”dont_use” attribute set in the Synopsys STF.
- The cell has ”dont_touch” attribute set in the Synopsys STF.

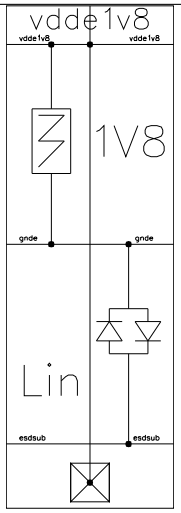
### Physical Dimensions

Area(um2) : 3200.000

### Glossary

Tr : Input Transition time
C : Output (capacitive) load
R : Rising edge
F : Falling edge

### Logical Symbol




### Default Leakage Power

| Default Leakage Power (mW) | vdde1v8 |
|---|---|
| best 1.10 125 | 4.795e-03 |
| worst 0.90 -40 | 3.303e-06 |

# VDDE_GNDE_ESD_3V3_EXT_ANA_CL_LIN

### Cell Description

VDDE_GNDE_ESD_3V3_EXT_ANA_CL_LIN

- The cell has ”dont_use” attribute set in the Synopsys STF.
- The cell has ”dont_touch” attribute set in the Synopsys STF.

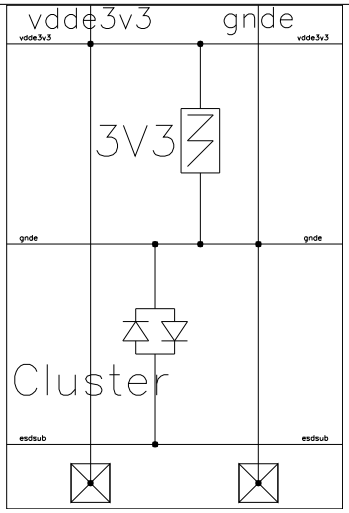
### Physical Dimensions

Area(um2) : 8000.000

### Glossary

Tr : Input Transition time
C : Output (capacitive) load
R : Rising edge
F : Falling edge

### Logical Symbol




### Default Leakage Power

| Default Leakage Power (mW) | vdde3v3 |
|---|---|
| best 1.10 125 | 9.296e-03 |
| worst 0.90 -40 | 4.168e-06 |

# VDDE_GNDE_ESD_3V3_EXT_ANA_FC_LIN

### Cell Description

VDDE_GNDE_ESD_3V3_EXT_ANA_FC_LIN

- The cell has ”dont_use” attribute set in the Synopsys STF.
- The cell has ”dont_touch” attribute set in the Synopsys STF.

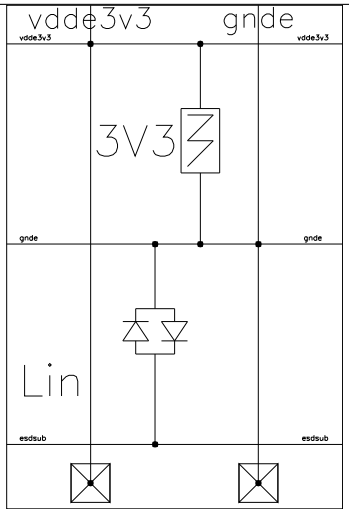
### Physical Dimensions

Area(um2) : 8000.000

### Glossary

Tr : Input Transition time
C : Output (capacitive) load
R : Rising edge
F : Falling edge

### Logical Symbol




### Default Leakage Power

| Default Leakage Power (mW) | vdde3v3 |
|---|---|
| best 1.10 125 | 9.296e-03 |
| worst 0.90 -40 | 4.168e-06 |

# VDDE_NOESD_EXT_ANA_CL_LIN

### Cell Description

VDDE_NOESD_EXT_ANA_CL_LIN

- The cell has ”dont_use” attribute set in the Synopsys STF.
- The cell has ”dont_touch” attribute set in the Synopsys STF.

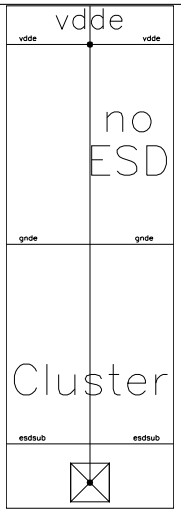
### Physical Dimensions

Area(um2) : 3200.000

### Glossary

Tr : Input Transition time
C : Output (capacitive) load
R : Rising edge
F : Falling edge

### Logical Symbol




### Default Leakage Power

| Default Leakage Power (mW) |
|---|
| best 1.10 125 |
| worst 0.90 -40 |

# VDDE_NOESD_EXT_ANA_FC_LIN

### Cell Description

VDDE_NOESD_EXT_ANA_FC_LIN

- The cell has ”dont_use” attribute set in the Synopsys STF.
- The cell has ”dont_touch” attribute set in the Synopsys STF.

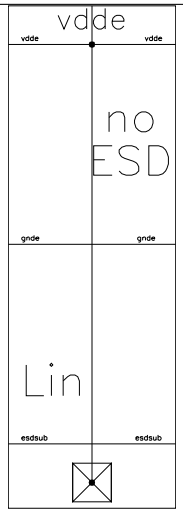
### Physical Dimensions

Area(um2) : 3200.000

### Glossary

Tr : Input Transition time
C : Output (capacitive) load
R : Rising edge
F : Falling edge

### Logical Symbol




### Default Leakage Power

| Default Leakage Power (mW) |
|---|
| best 1.10 125 |
| worst 0.90 -40 |

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