

PDK summary

PDK ID: jazz-sbc18hx
PDK version: 1.1.2.R
PDK release date: 5/6/08
Fab/Foundry name: Jazz Semiconductor
Technology name: SBC18HX

(1) Certified Simucad EDA tool versions for this PDK version:

Gateway: 2.6.7.R
 SmartSpice: *3.8.4.R *updated tool version from last PDK version
 SmartView: 2.20.6.R
 Expert: *4.4.16.R *updated tool version from last PDK version
 Guardian LVS: *4.4.15.R *updated tool version from last PDK version
 HIPEX: *3.2.7.R *updated tool version from last PDK version

(2) Important procedures for PDK version migration:

1. **EXPERT - LOADING EXISTING PROJECT (.eld file) with NEW TECHNOLOGY (.tcn file):** Please use the new technology (.tcn) file included in this version of PDK when opening existing projects (.eld) at the first time with this version of PDK, to update technology setting. Please make sure that you have backup of project files before doing this procedure. To enable to select a technology (.tcn) file in “Load Project” window, it is necessary to select (check) options “Use external technology file for eld projects” and “Identify layers by name” in “Preferences” window (Menu: Setup→Technology→General). Please refer to Expert manual “4.2.1: Technology File Selection” for more detail.
2. **EXPERT - LOADING NEW PCELL LIBRARY:** Please make sure that the new pcell library from this PDK version is loaded, when opening a project.

(3) Changes for this PDK version (see below list for change code legends) :

1. Update pcells with drop-down menu box (code H3)
2. Updated three inductor pcells (code H3)
3. Provided the device parameter extraction lisa file in two forms for lvs and post-layout simulation (K3)
4. Updated Hipex-C and R lisa files (M3)
5. Updated core drc file (J1)

Change Codes

Affected Tool Functions:

Code A: Gateway - Schematic Edit
 Code B: Gateway - Spice Net Generation

Code C: Gateway - LVS Net Generation
Code D: Gateway - NDL Net Generation
Code E: Gateway/SmartSpice - Spice Simulation
Code F: Gateway/SmartView - Wave View
Code G: Expert - Layout Edit
Code H: Expert - Pcells
Code I: Expert - NDL
Code J: Expert/Guardian DRC - DRC
Code K: Expert/Guardian NET - Net extraction
Code L: Expert/Guardian LVS - LVS
Code M: Expert/Hipex RC - RC extraction
Code Z: Others

Change Reasons:

Code 1: Bug fix
Code 2: Fab/Foundry file update
Code 3: Function improvement
Code 9: Others