

## PDK summary

**PDK ID:** jazz-ca18hr  
**PDK version:** 1.1.5.R  
**PDK release date:** 5/6/08  
**Fab/Foundry name:** Jazz Semiconductor  
**Technology name:** CA18HR

### (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)

### 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