Installing an ADS Component Library and Placing Library Parts

Purpose

In order to work with the ADS zip package for Lab 3 under ADS 2011, you need install a component library. The double-balanced mixer model needs a diode model, in particular a `1N4148` diode. This component can be found in the library `Analog_Parts_vendor_kit`.
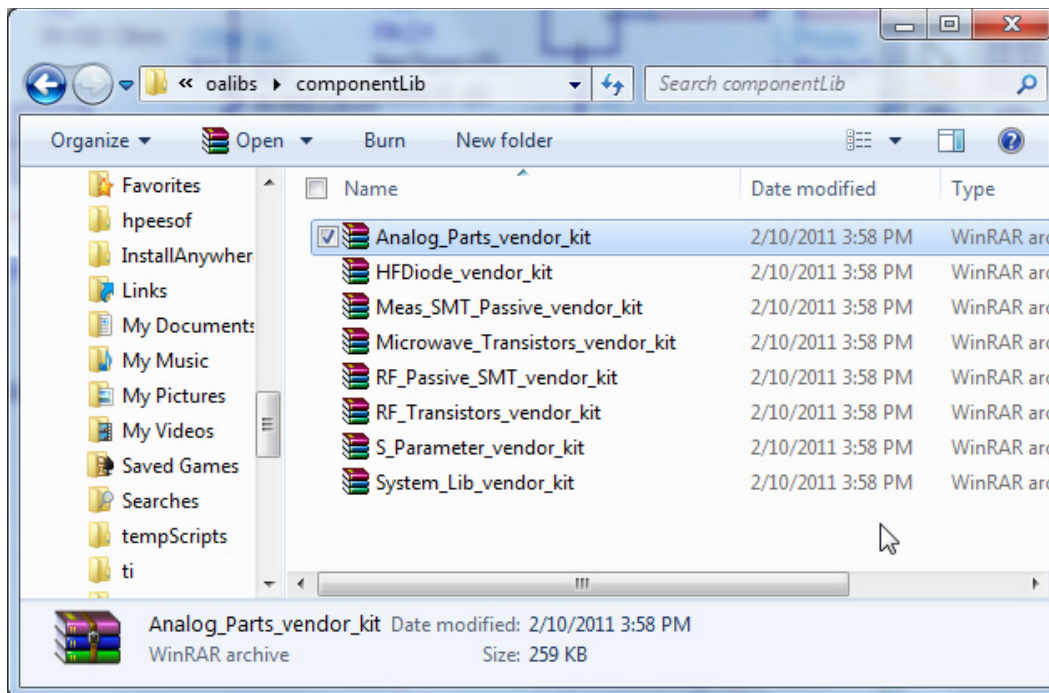
Procedure

Step 1

Verify that you can access the root folder:

```
Agilent\ADS2011_10\oalibs\componentLib\
```
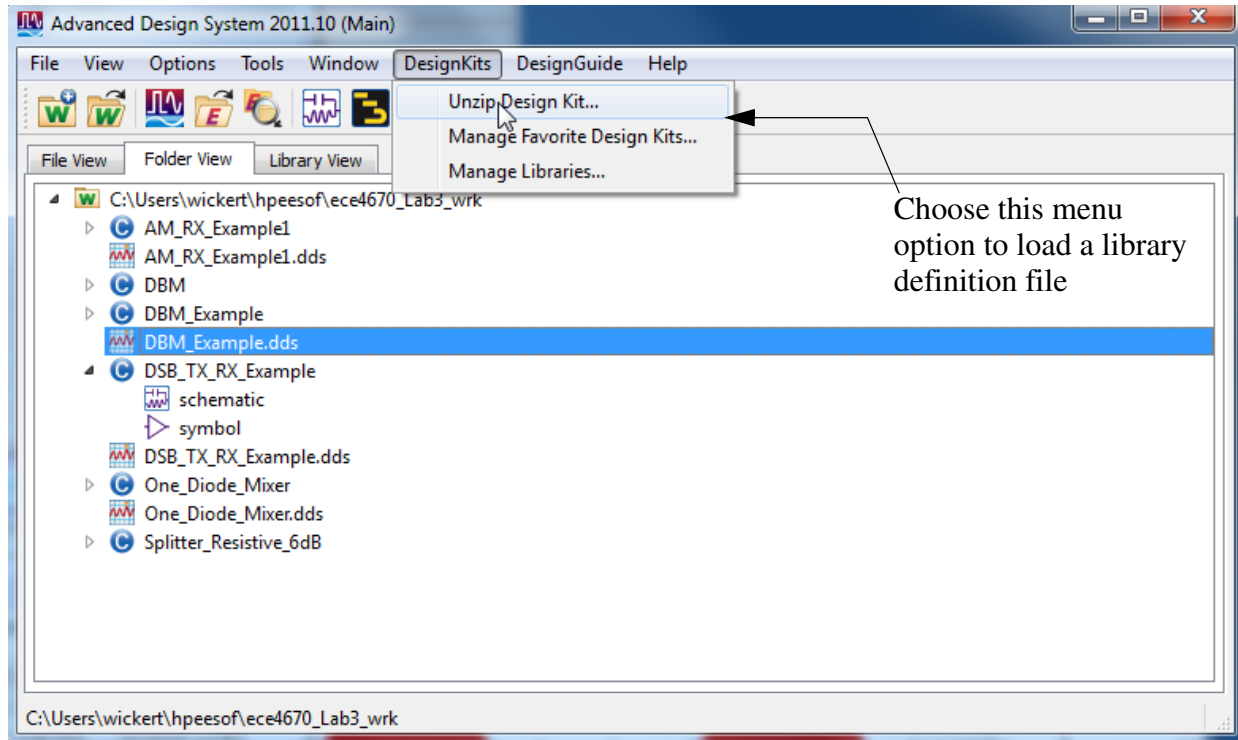
Inside this folder is where you will find zipped versions of component libraries:

Step 2

Unzip the library file of interest, in this case Analog_Parts_vendor_kit to your workspace working folder, perhaps/typically `$Home/hpeesof/`. You get access to the unzipping capability via the
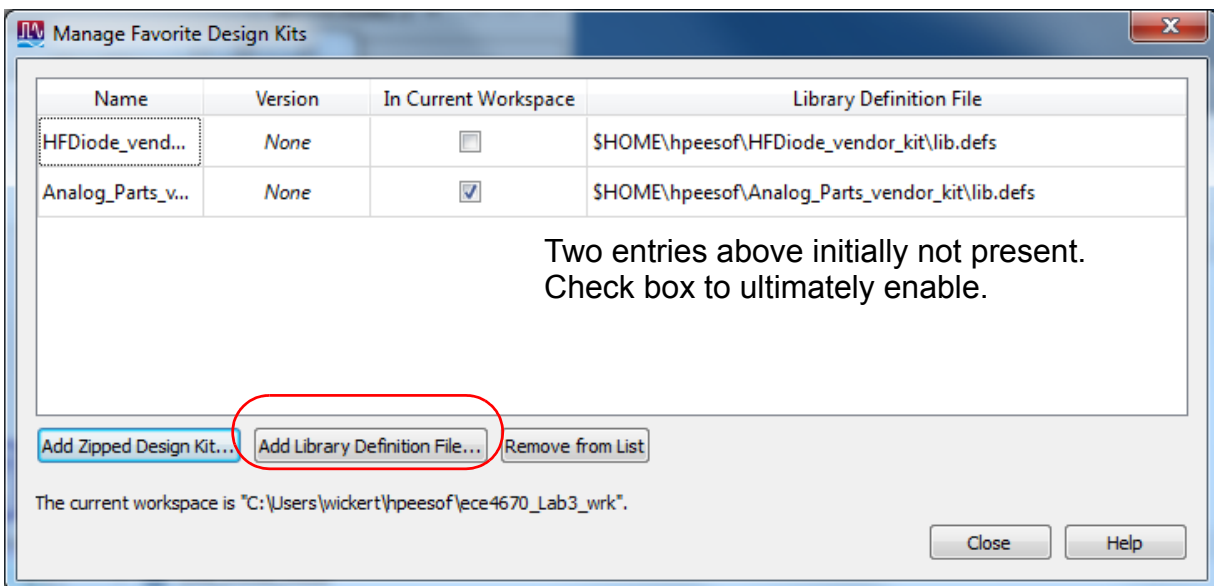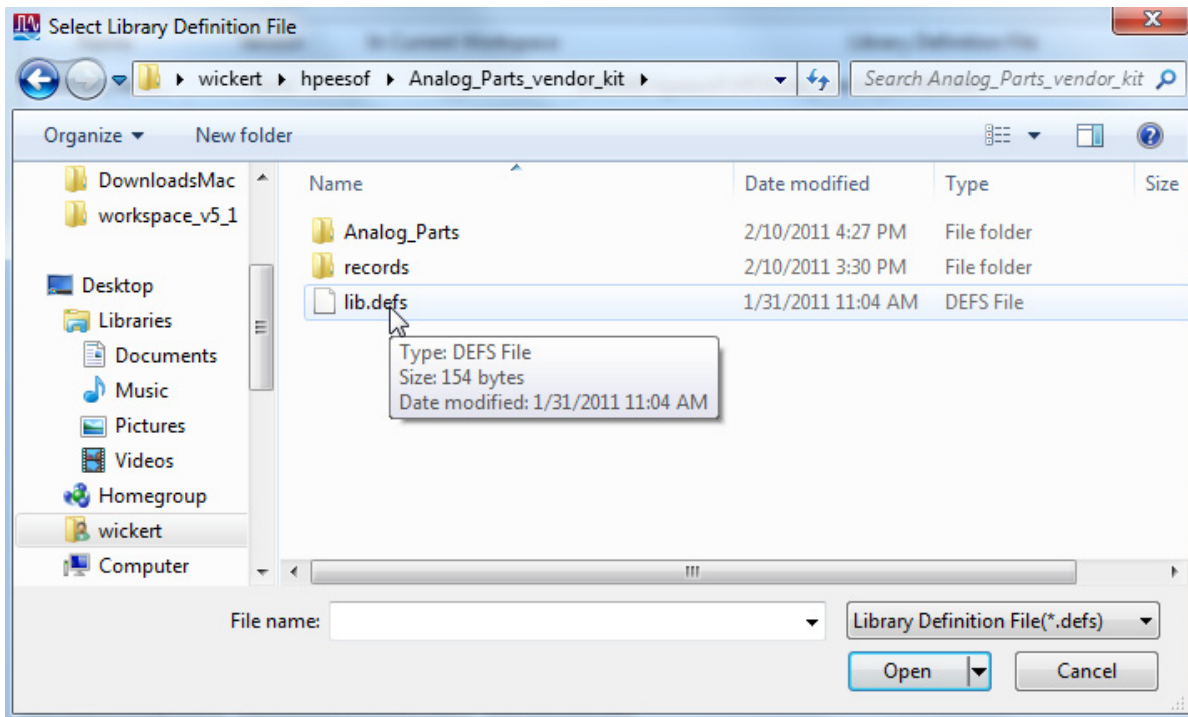
ADS main windows as shown below:

You then select the design kit you want to unzip and have it placed in your `hpeesof` folder.

Step 3

Add the library definition file to your current workspace by selecting Manage Favorite Design Kits... as shown in the above screen shot. You will then see a dialog which includes the option to load a library definition file
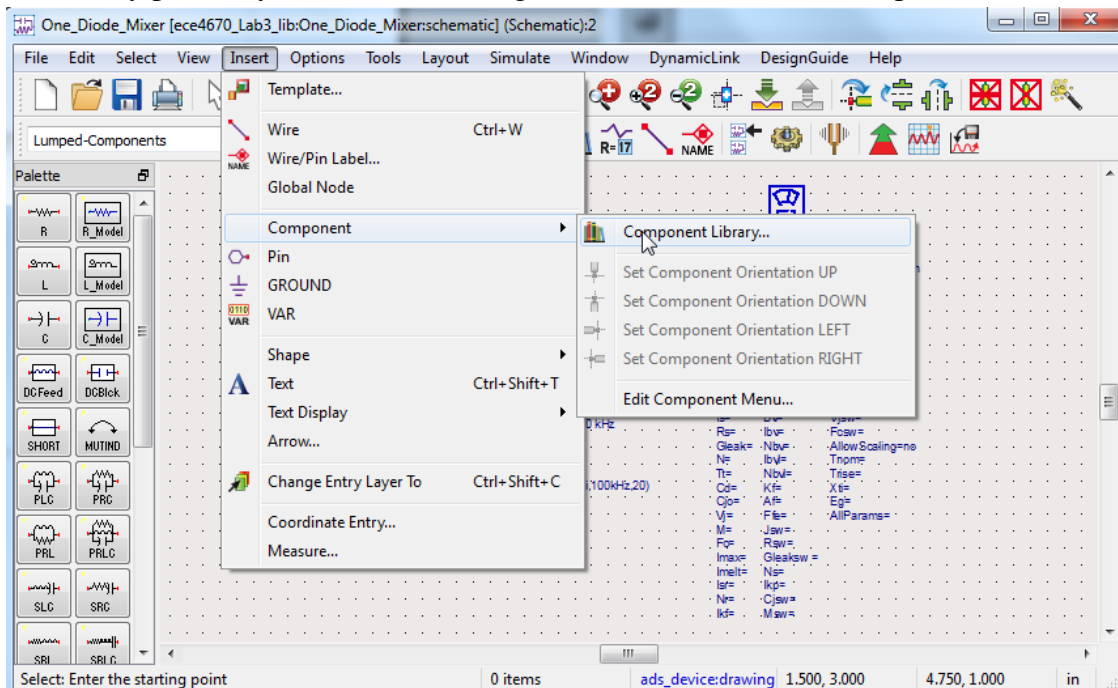
Drill into the folder that contains the now unzipped Parts Kit and click on the `lib.def` file
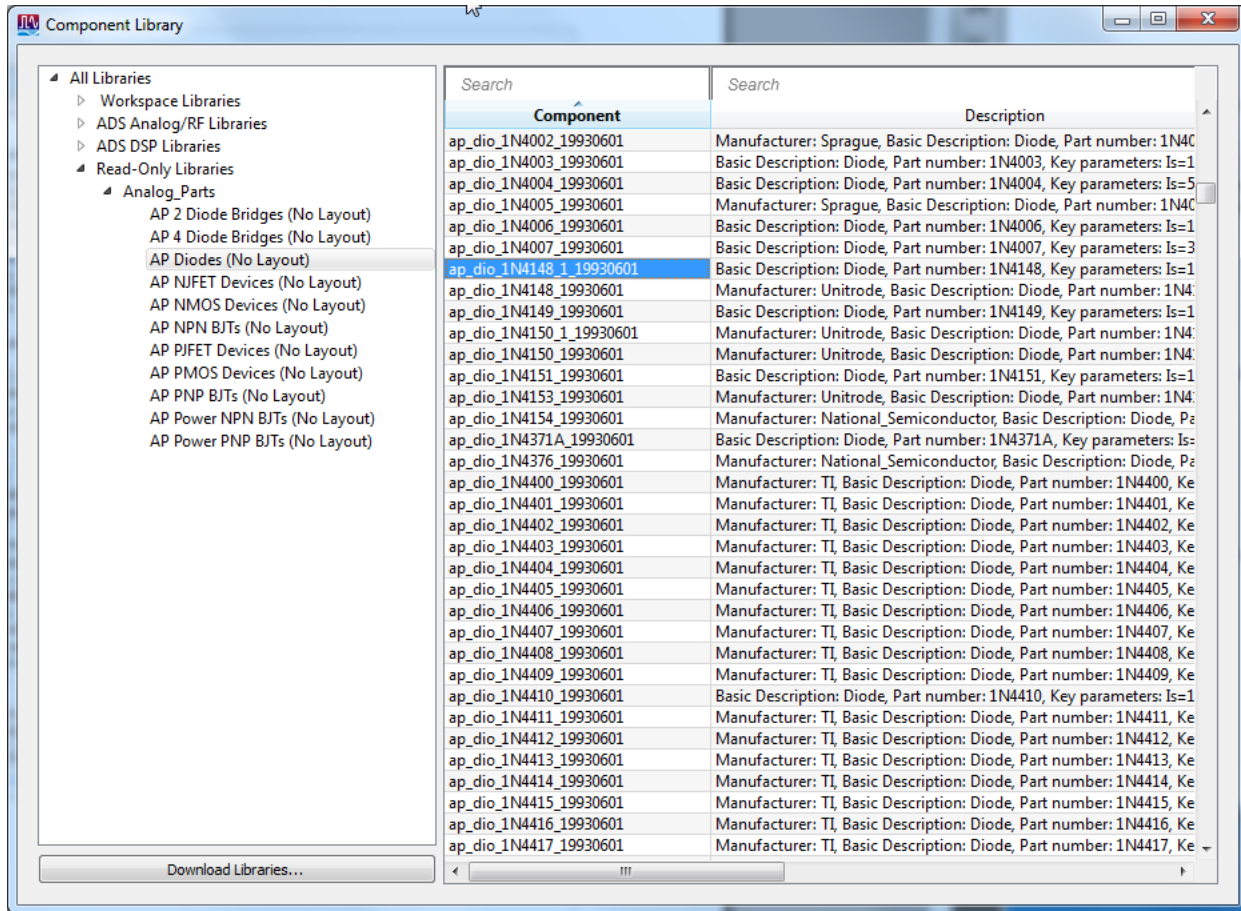

By clicking Open the library is now loaded into the workspace, and also will be available to new Workspaces.

Placing Library Parts

To place library parts, say a `1N4148` diode, go to the Insert menu on an open schematic file:

Choose Component Library

Click and drag the selected part to the schematic.