Samsung Library Install Guide
For Keysight ADS

Dec. 2020
Component Solution Biz. Unit

SAMSUNG | **SAMSUNG ELECTRO-MECHANICS**

CONTENTS

01. Operation environment

- This document is described under the following environment conditions.

1) OS : Windows 7

Administrative rights are required to install the library.

2) Keysight ADS : ADS 2011.05 ~ 2020.11

ADS 2009 or previous versions are net supported

02. How to Install Samsung Library (1)

- If you have the previous version of Samsung Library, please uninstall the library at first and download the latest library in our homepage.

  * Main page > SUPPORT > Software Library

02. How to Install Samsung Library (2)

- Select 'DesignKits' > 'Unzip Design Kit…' in main window
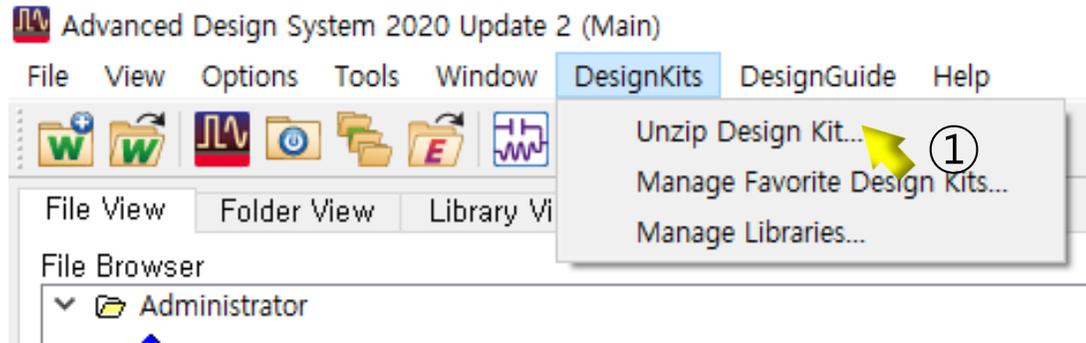
- Select the downloaded file (*.zip) and click 'Open' button in pop-up window
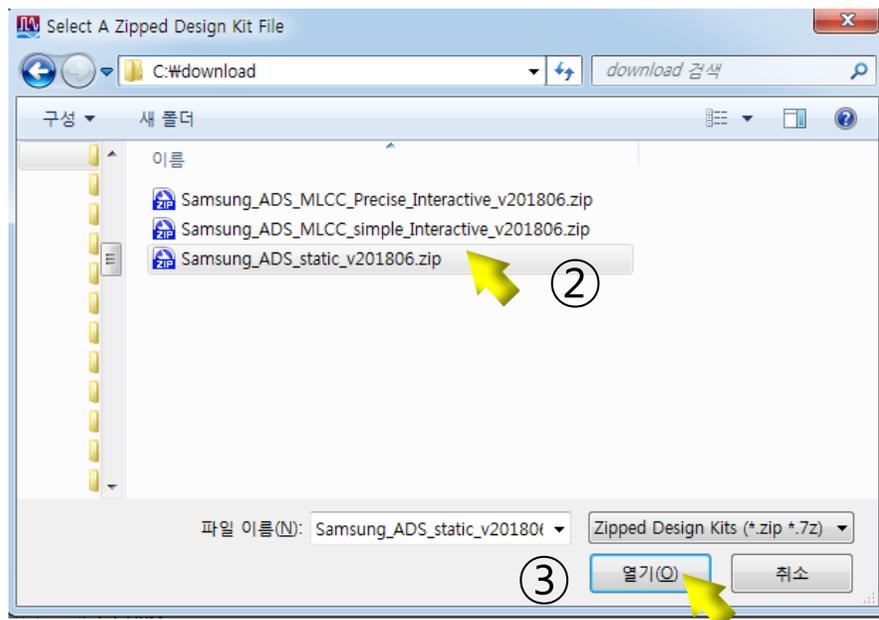
02. How to Install Samsung Library (3)

- Select the directory to unzip file (ADS workspace folder you created) and

  click 'Choose' button in pop-up window

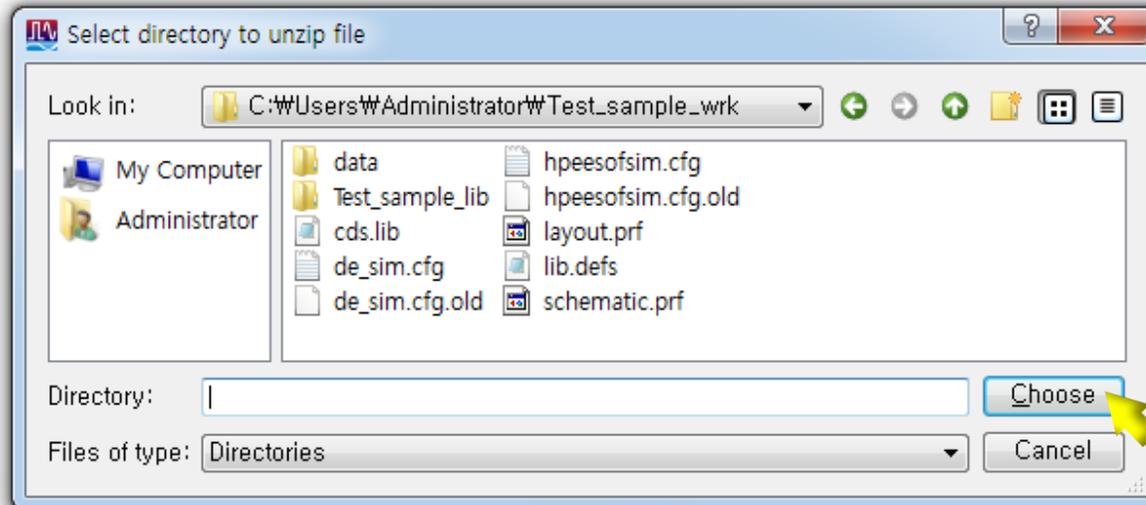- After unzipping for a moment, 'Add Design Kit' window appears. Click 'Yes' button
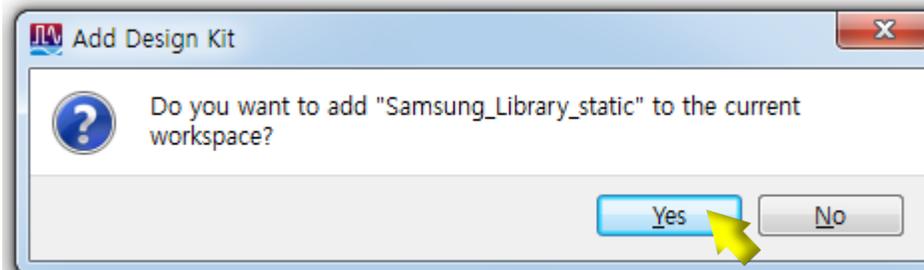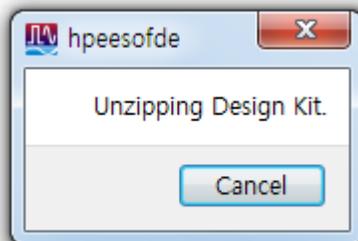
03. How to Use Samsung Library (1)

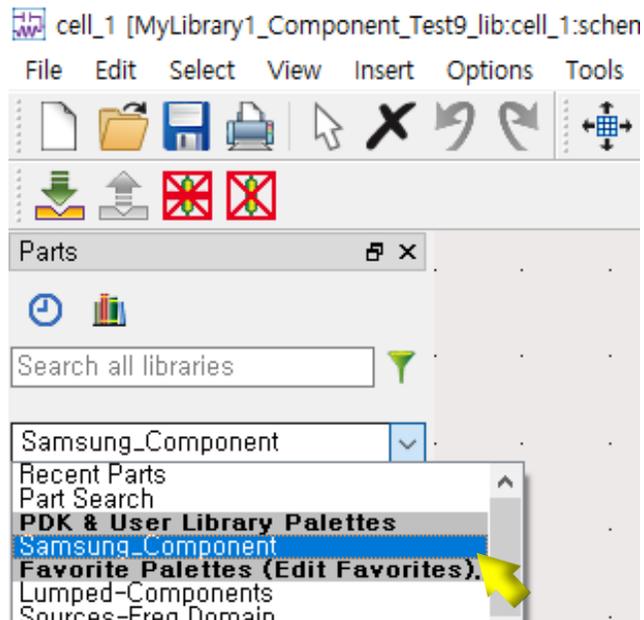- Open your ADS workspace that Samsung Library was installed.
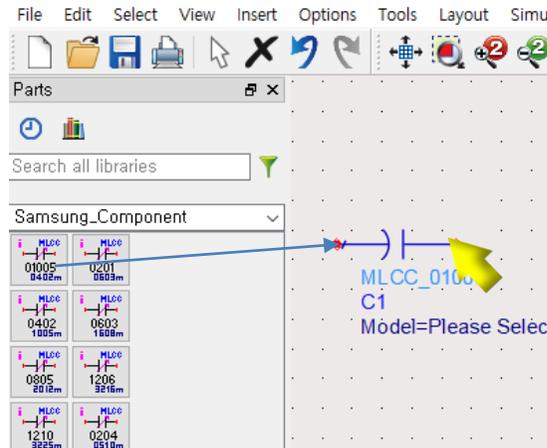
  then, create or open the schematic window.
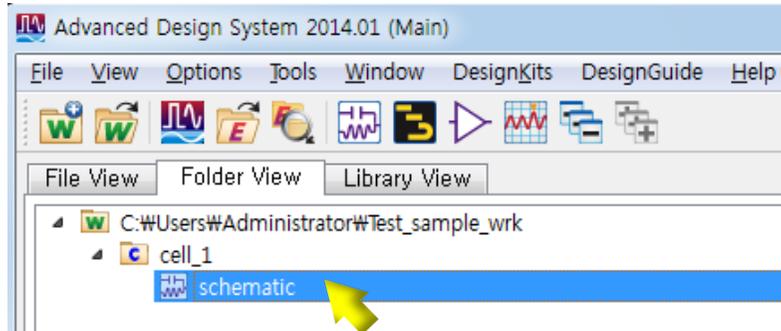
- Select Samsung Components at pallet list in the schematics window.

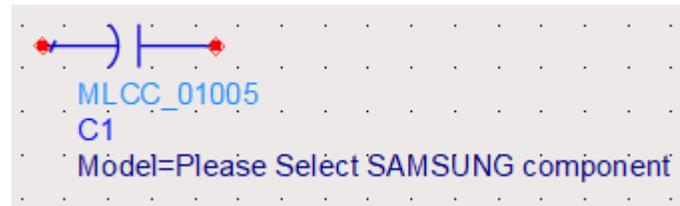# 03. How to Use Samsung Library (2)

- Click the component icon and put down on the schematic sheet.

(Precise Interactive library)
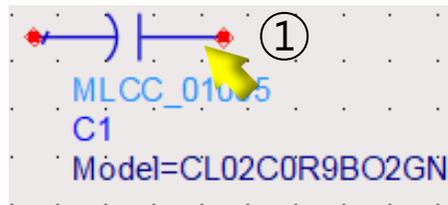
(component icon)

- Other Components

(MLCC_Automotive, TANTAL, PI, HFI, BEAD)

03. How to Use Samsung Library (3)

- Double-click the symbol to display the window. Click 'Please Select…' in the 'Parameter Entry Mode'
  You can select products from the dropdown list, click 'Apply' and 'OK' button.

MLCC_010?5
C1
Model=CL02C0R9BO2GN

①

Model=CL02C0R9BO2GNN/0.9pF/Standar
PartNumber="CL02C0R9BO2GNN"
Capacitance="0.9pF"
Tolerance="+/-0.1pF"
TCC="C0G(-55~+125Cels.)"
Rated_Voltage="16Vdc"
Size="01005inch_0402mm"
Thickness="0.20+/-0.02mm"
Frequency="100000000Hz_to_20.0GHz"
Use_for="General"
Features="Normal"
Reliability_level="Standard"

(Result)

---

cell_1 [MyLibrary1_Component_Test9_lib:cell_1:schematic] * (Schematic):14

Edit Instance Parameters

Library name: Samsung_Component
Cell name: MLCC_01005   [Swap Component…]
View name: symbol
Instance name: [C1]

Select Parameter

Model=Please Select SAMSUNG compone
PartNumber=""
Capacitance=""
Tolerance=""
TCC=""
Rated_Voltage=""
Size=""
Thickness=""
Frequency=""
Use_for=""
Features=""
Reliability_level=""

[<] [>]

[Add] [Cut] [Paste]

Model:Model Name

Parameter Entry Mode

[Please Select SAMSUNG component ▼]   ②

Please Select SAMSUNG component
CL02C0R3BO2GNN/0.3pF/Standard
CL02C0R4BO2GNN/0.4pF/Standard
CL02C0R5BO2GNN/0.5pF/Standard
CL02C0R9BO2GNN/0.9pF/Standard
CL02C010BO2GNN/1pF/Standard
CL02C1R2BO2GNN/1.2pF/Standard
CL02C1R5BO2GNN/1.5pF/Standard
CL02C1R6BO2GNN/1.6pF/Standard
CL02C1R7BO2GNN/1.7pF/Standard

☑ Display parameter on schematic

[Component Options…] [Reset]

[OK] ④   [Apply] ③   [Cancel]   [Help]

04. Contact

- If you have any questions about this library, please contact our website

https://www.samsungsem.com/global/index.do