

# Samsung Library Install Guide For Keysight ADS

Dec. 2020  
Component Solution Biz. Unit



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# 01. Operation environment

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- 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 not 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

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## Component Library for Keysight ADS

Product	Data Type	Update Date	List	Download
MLCC(Precise), Inductor, Bead, Power Inductor, Tantalum *static model	Samsung components library for ADS 2011.05 or Later	2018.06		
MLCC(Precise) *Interactive model	Samsung components library for ADS 2011.05 or Later	2018.06		
MLCC(simple) *Interactive model	Samsung components library for ADS 2011.05 or Later	2018.06		<b>3</b>
Manual	Installation Guide of Samsung components library for Keysight ADS	2018.08	-	

**Software Library Notice**

Notice

1. This Simulation Model is provided solely for reference purposes. For the characteristics of products, you have to refer to the Specifications.

2. In no event shall Samsung Electro-Mechanics be liable for any loss or damage arising, directly or indirectly, from, in connection with your reliance on any information contained in the Simulation Model, including, but not limited to any loss or damages arising from any inaccuracies, omissions or errors in connection with such information.

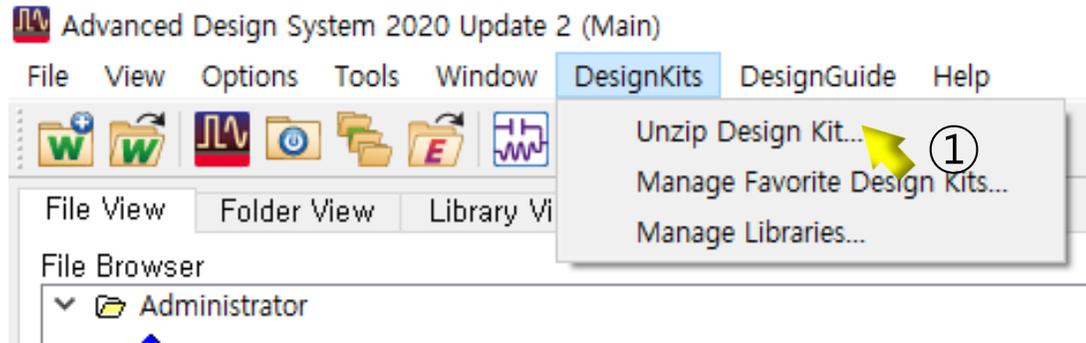
3. Samsung Electro-Mechanics does not make any warranty, express or

I have read the notice mentioned above and agree with them.  Yes  No **4**

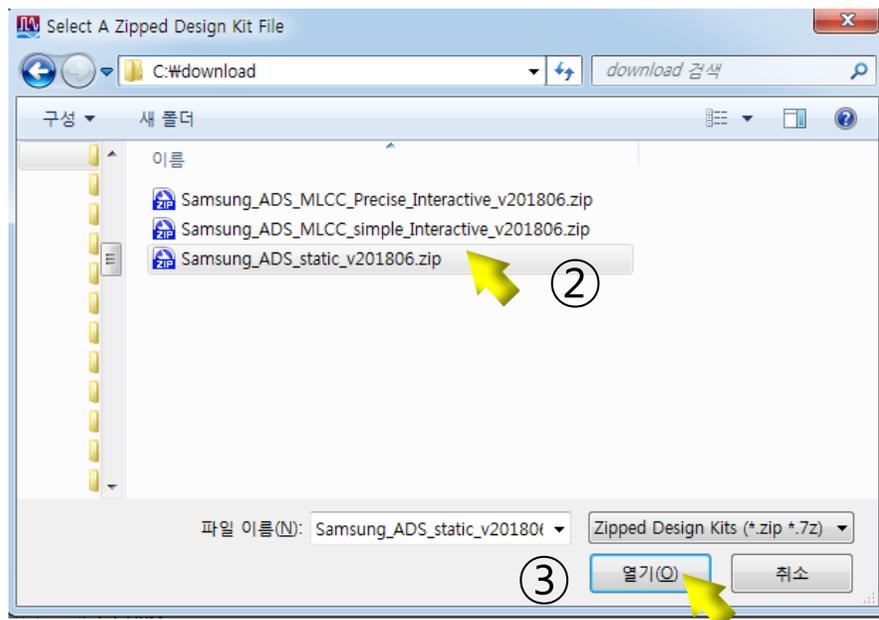
**Submit >** **5**

## 02. How to Install Samsung Library (2)

- Select 'DesignKits' > 'Unzip Design Kit...' in main window

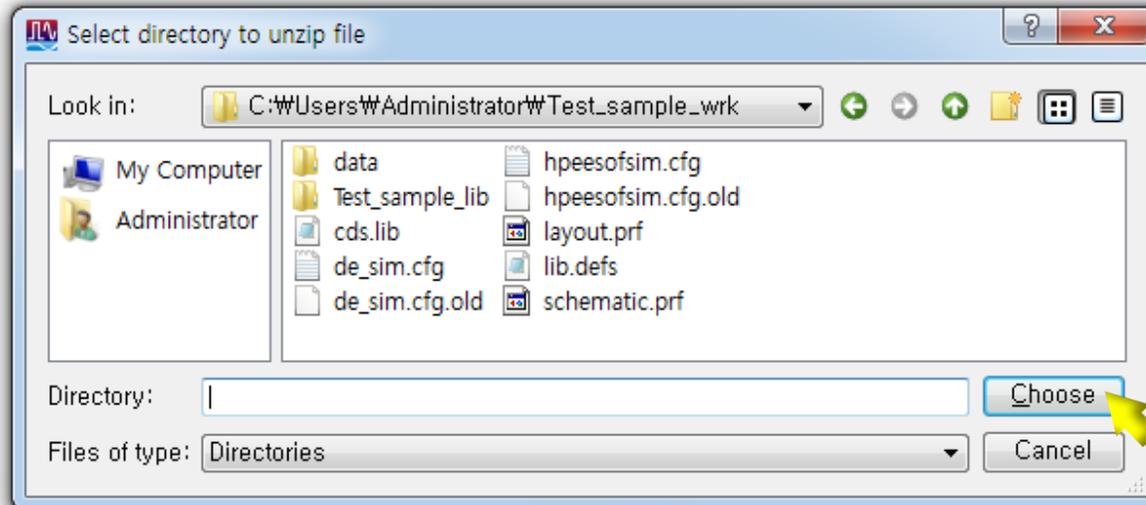


- Select the downloaded file (\*.zip) and click 'Open' button in pop-up window

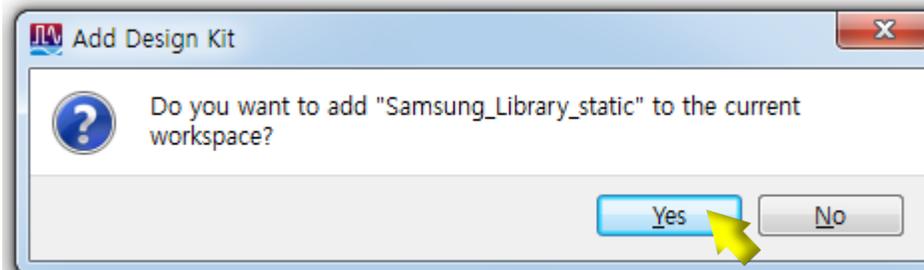
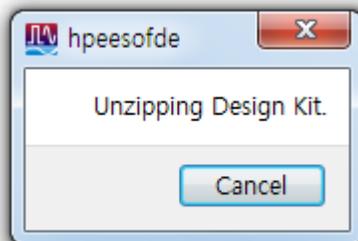


## 02. How to Install Samsung Library (3)

- 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

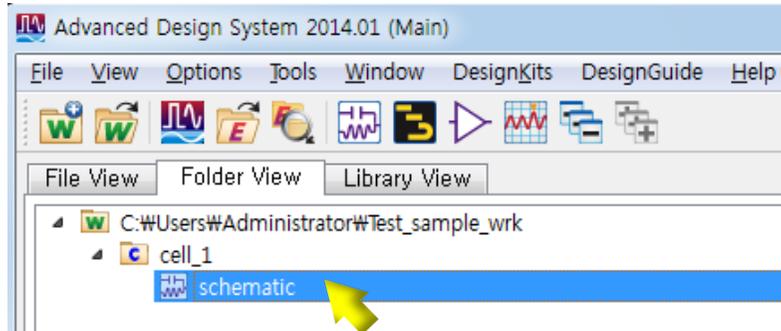


# 03. How to Use Samsung Library (1)

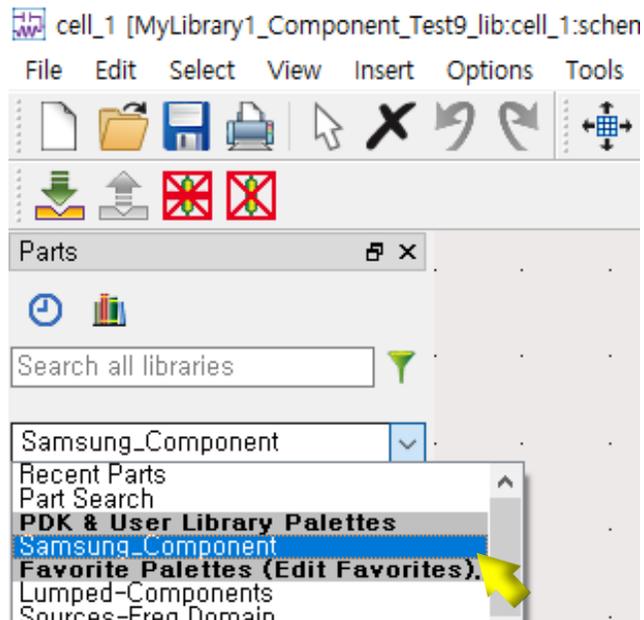
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- Open your ADS workspace that Samsung Library was installed.

then, create or open the schematic window.

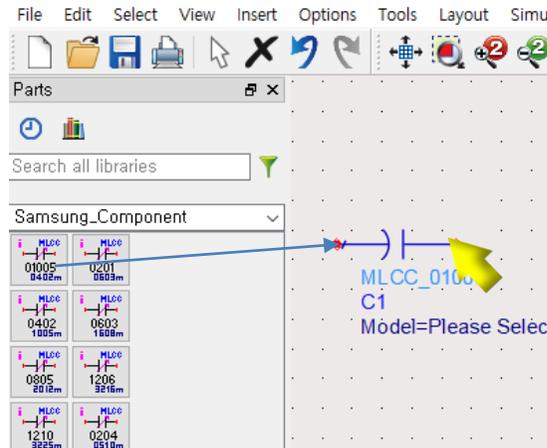


- Select Samsung Components at pallet list in the schematics window.



# 03. How to Use Samsung Library (2)

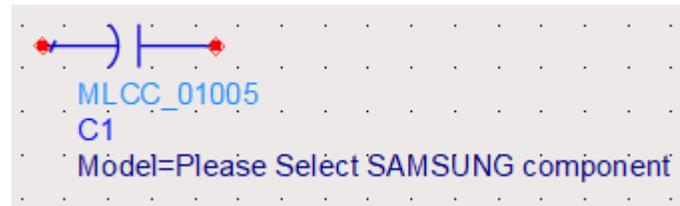
- Click the component icon and put down on the schematic sheet.



(Precise Interactive library)



(component icon)



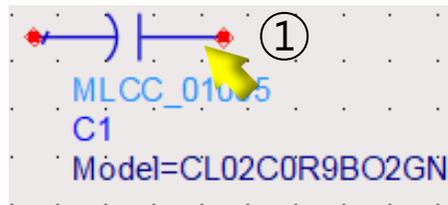
- Other Components



(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.



```
Model=CL02C0R9B02GN/0.9pF/Standar
PartNumber="CL02C0R9B02GN"
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

Parameter Entry Mode

Model=Please Select SAMSUNG compone  
PartNumber=""  
Capacitance=""  
Tolerance=""  
TCC=""  
Rated\_Voltage=""  
Size=""  
Thickness=""  
Frequency=""  
Use\_for=""  
Features=""  
Reliability\_level=""

Please Select SAMSUNG component  
Please Select SAMSUNG component  
CL02C0R3B02GN/0.3pF/Standard  
CL02C0R4B02GN/0.4pF/Standard  
CL02C0R5B02GN/0.5pF/Standard  
CL02C0R9B02GN/0.9pF/Standard  
CL02C010B02GN/1pF/Standard  
CL02C1R2B02GN/1.2pF/Standard  
CL02C1R5B02GN/1.5pF/Standard  
CL02C1R6B02GN/1.6pF/Standard  
CL02C1R7B02GN/1.7pF/Standard

Display parameter on schematic

Add Cut Paste Component Options... Reset

Model:Model Name

OK Apply Cancel Help

# 04. Contact

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

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



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