

Samsung Library Install Guide For SIMetrix/SIMPLIS

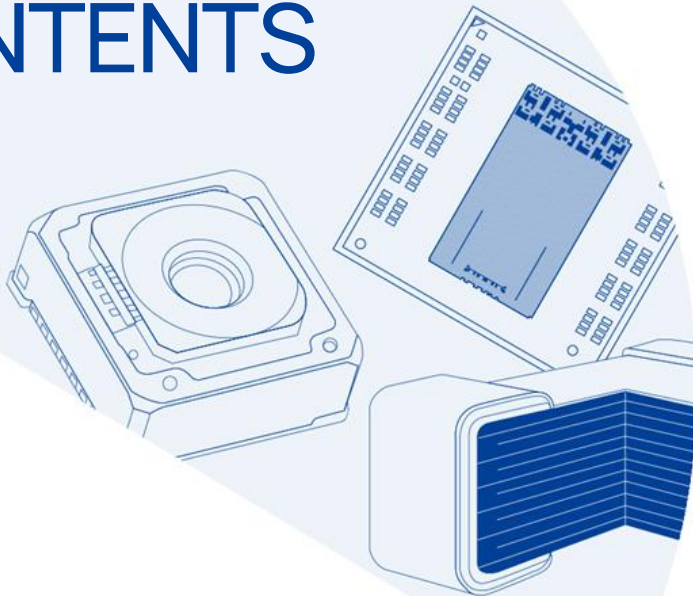
Oct, 2021

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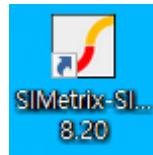
01. Operation environment

- This document is described under the following environment conditions.

1) OS : Windows 10  Windows 10

Administrative rights are required to install the library.

2) SIMerix/SIMPLIS 8.2Version



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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S-parameter	Linear Technology LTspice	Cadence Pspice	Cadence Synopsys Hspice	Cadence AWR	SIMetrix/SIMPLIS	Keysight ADS	Cadence Sigrity Power SI
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Product	Data Type	Update Date	List	Download
MLCC, Power Inductor, Tantalum *Static model	Samsung Static precise model Library files (*.lib) for SIMetrix/SIMPLIS	2020.11		
MLCC *Interactive model	Samsung MLCC (simple model) Library files (*.lib) for SIMetrix/SIMPLIS	2020.11		
	Samsung MLCC (precise model) Library files (*.lib) for SIMetrix/SIMPLIS	2020.11		

Software Library Notice

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02. How to Install Samsung Library (2)

- Drag and drop the library folder into the “Command Shell”

The screenshot displays the SIMetrix/SIMPLIS Main Window interface. The Command Shell window is highlighted with a red box and contains the text: "Welcome to SIMetrix/SIMPLIS Version 8.20m (x64)". A yellow arrow points from the Command Shell to the "Automotive" folder in the Download Folder, which is also highlighted with a red box. A yellow arrow points from the "Automotive" folder to the Command Shell. The "General" folder is also visible in the Download Folder. A yellow arrow points to the "General" folder. The "Download Folder" label is positioned above the folders. The "Automotive" folder is labeled with a circled "1" and the "General" folder is labeled with a circled "2".

File View: Add Directory, SIMetrix


Command Shell: Welcome to SIMetrix/SIMPLIS Version 8.20m (x64)

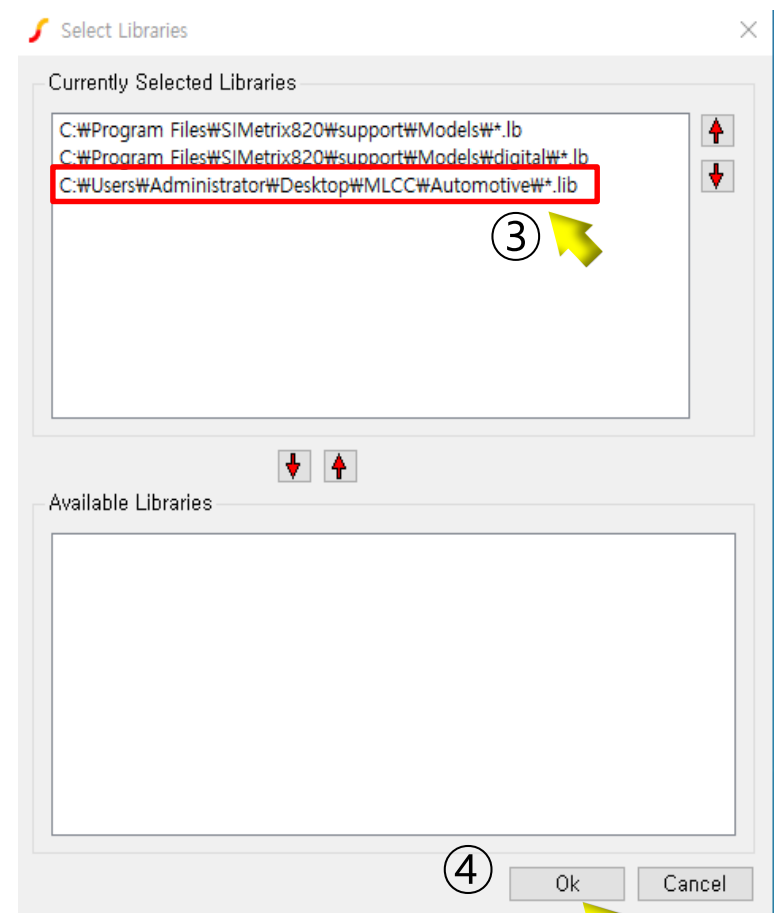
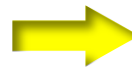
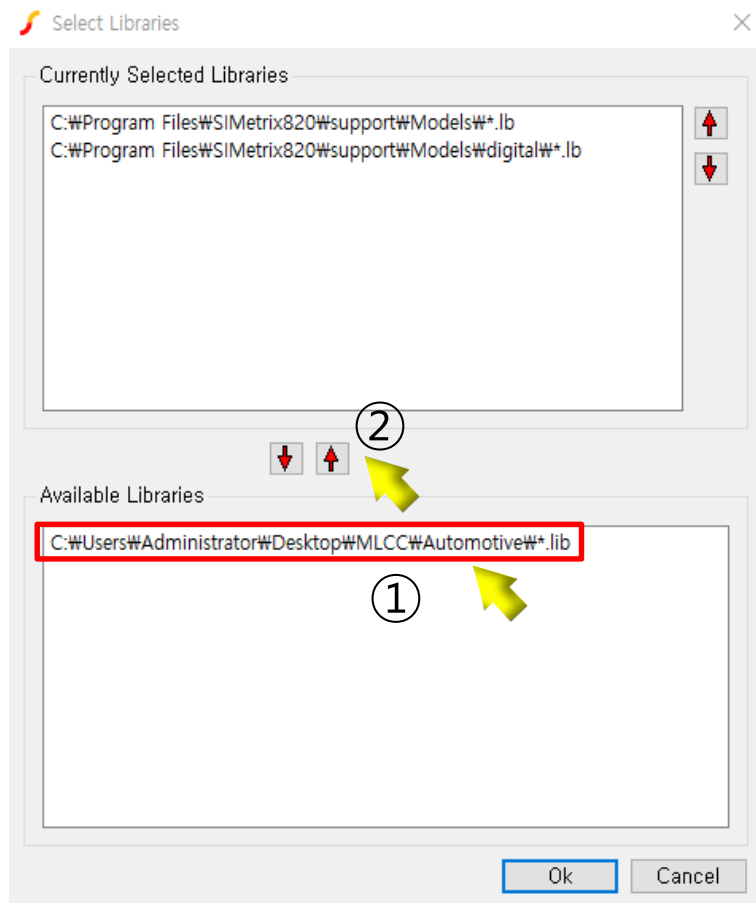
Download Folder: Automotive, General

①

②

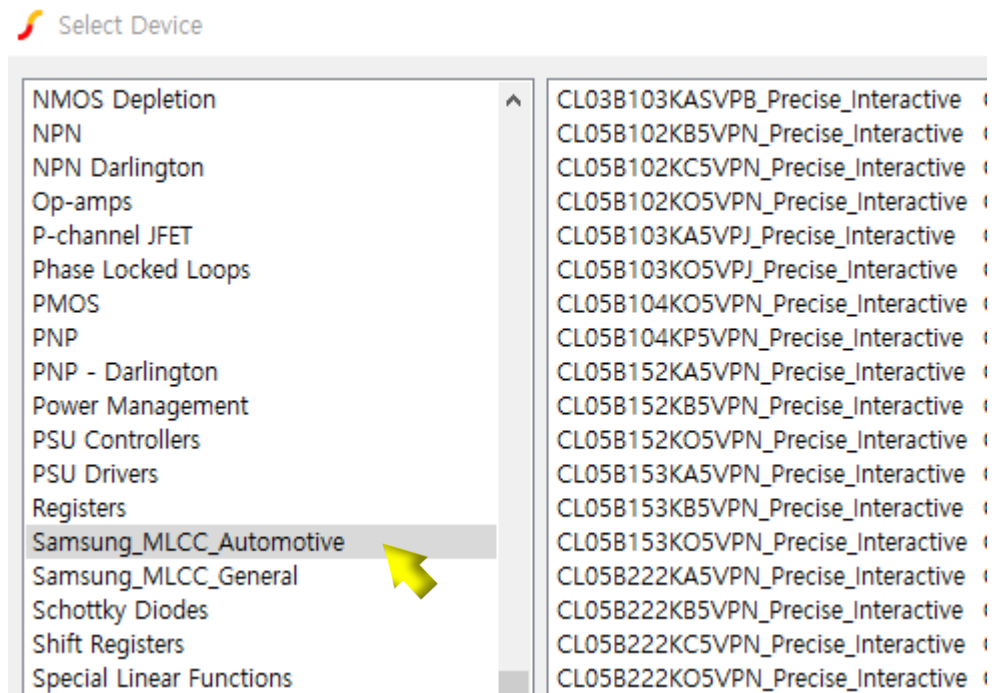
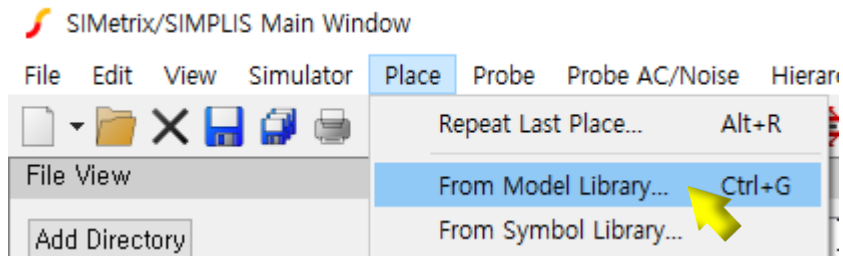
02. How to Install Samsung Library (3)

- When the Select Libraries window pop up, select the drag and dropped library folder.
- Click the  icon. The selected folder move to “Currently Selected Libraries” window.



03. How to Use Samsung Library (1)

- Open new schematic. And select “Place/From Model Library...”
- When the Select Device window pop up, select the “Samsung_MLCC_Automotive”



03. How to Use Samsung Library (2)

- Click the selected component. And click the “Place” button.
- Click the component icon to place schematic.

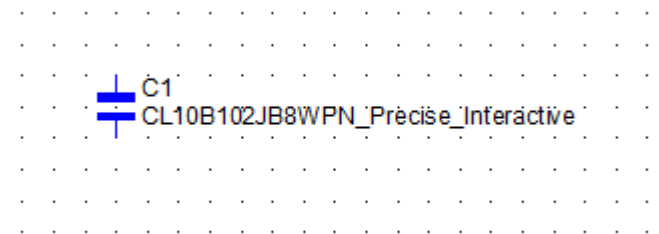
The screenshot shows a component selection window with a grid of components on the left and a list of component names on the right. The component 'CL10B102JB8WPN_Precise_Interactive' is selected in the grid and highlighted in the list. A yellow arrow points to the 'Place' button at the bottom right of the window.

CL05B682KO5VPN_Precise_Interactive	CL10B224KP8VPN_Precise_Ir
CL05Y105KP6VPN_Precise_Interactive	CL10B332KA8WPN_Precise_I
CL05Y105KQ6VPN_Precise_Interactive	CL10B332KB8WPN_Precise_I
CL05Y224KP5VPN_Precise_Interactive	CL10B332KC84PE_Precise_In
CL05Y224KQ5VPN_Precise_Interactive	CL10B472JB8WPN_Precise_Ir
CL10B102JB8WPN_Precise_Interactive	CL10B472KA8WPN_Precise_I
CL10B102KA8WPN_Precise_Interactive	CL10B472KB8WPJ_Precise_In
CL10B102KB8WPJ_Precise_Interactive	CL10B472KB8WPN_Precise_I
CL10B102KB8WPN_Precise_Interactive	CL10B472KC84PE_Precise_In
CL10B102KC84PE_Precise_Interactive	CL10B472KC8WPJ_Precise_Ir

Filter: *

C:\Users\Administrator\Desktop\MLCC\Automotive\CL10B102JB8WPN_Precise_Interactive_SIM.lib

Place



04. Contact

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

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



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