

Samsung Library Install Guide For Cadence AWR

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Component Solution Biz. Unit



SAMSUNG
ELECTRO-MECHANICS

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01. Operation environment

- This document is described under the following environment conditions.

1) OS : Windows 7 or Windows 10



2) Cadence AWR : AWR11 ~ AWR15



previous versions are not supported

02. How to Install Samsung Library (1)

- If you have the previous version of Samsung Library, please delete the library at first and download the latest library in [our homepage](#).

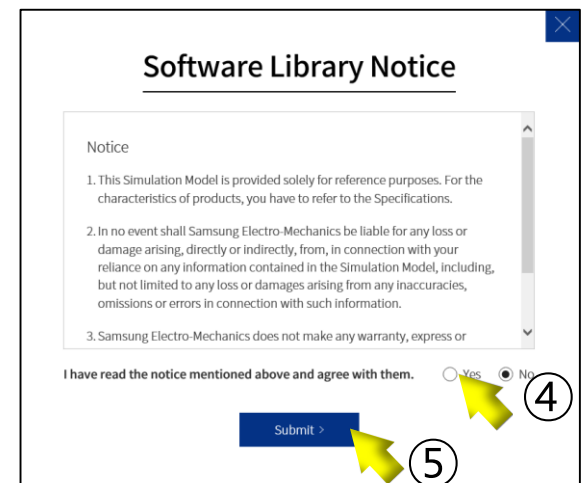
* Main page > SUPPORT > Software Library



Component Library for Cadence AWR

Product	Data Type	Update Date	List	Download
MLCC, Inductor, Tantalum, Bead, *Static model	Samsung components User XML library for Cadence AWR	2021.03	↓	↓

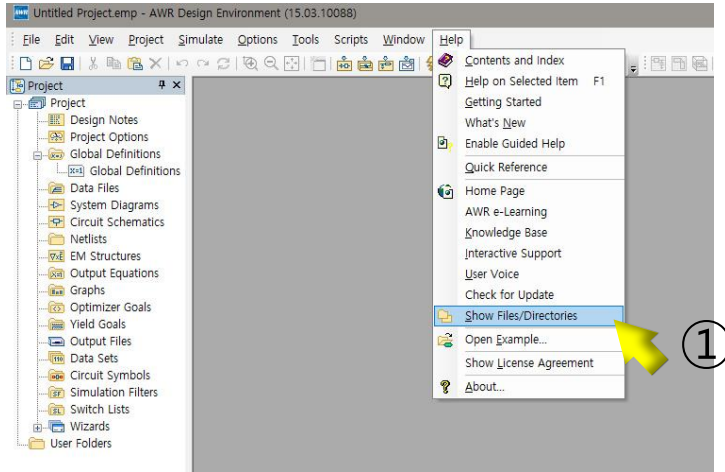
3



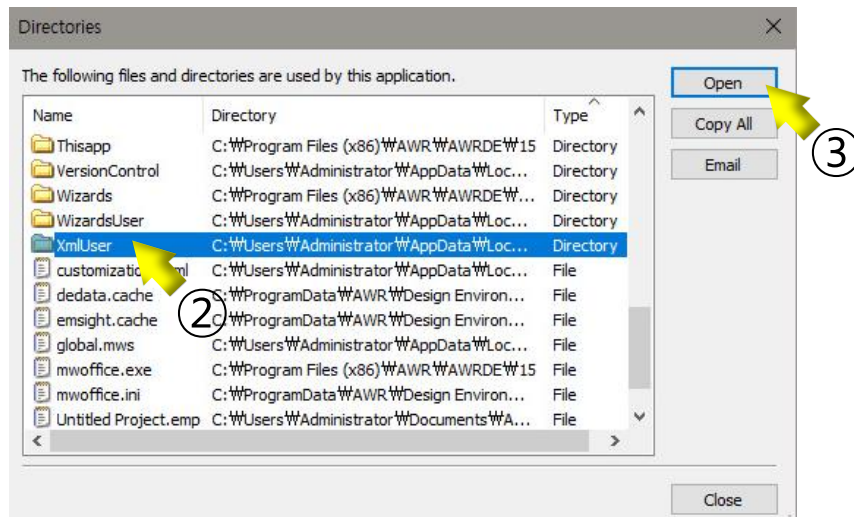
4

02. How to Install Samsung Library (2)

- Select at the menu bar 'Help' > 'Show Files/Directories' in main window



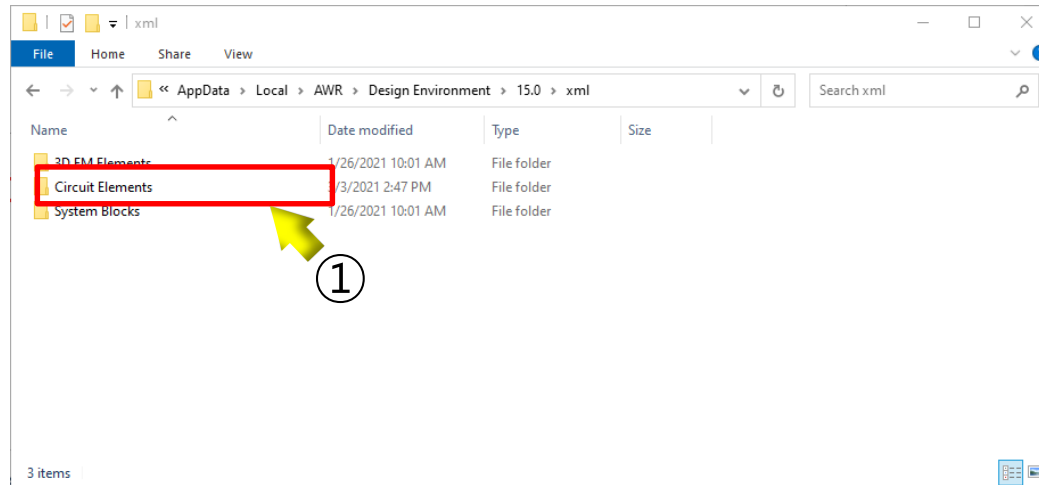
- Select 'XmlUser' directory and click 'Open' button in pop-up window



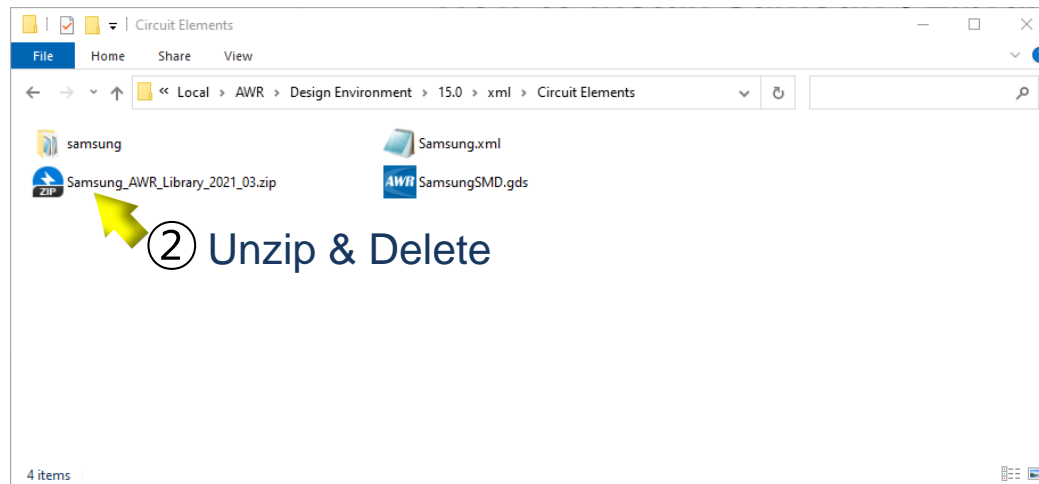
02. How to Install Samsung Library (3)

- Copy and paste Zip file downloaded in our homepage at 'Circuit Elements' folder

And unzip in this folder.

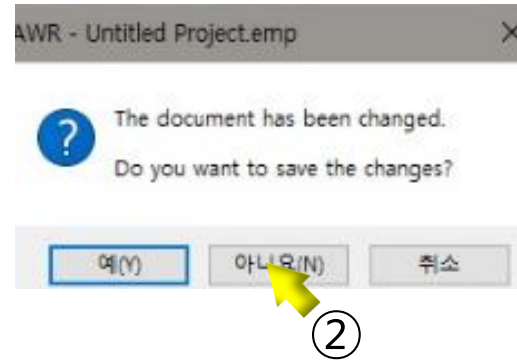
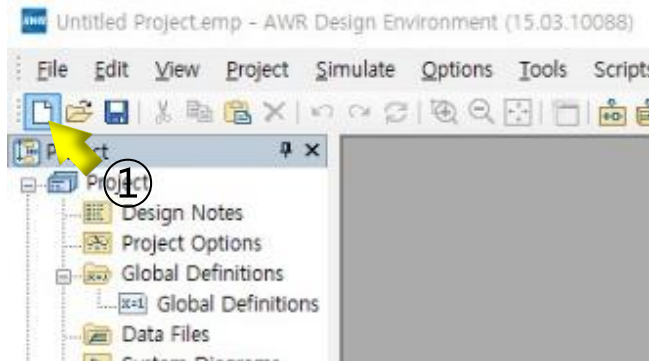


- After unzipping, **delete Zip file** for prevent other error.

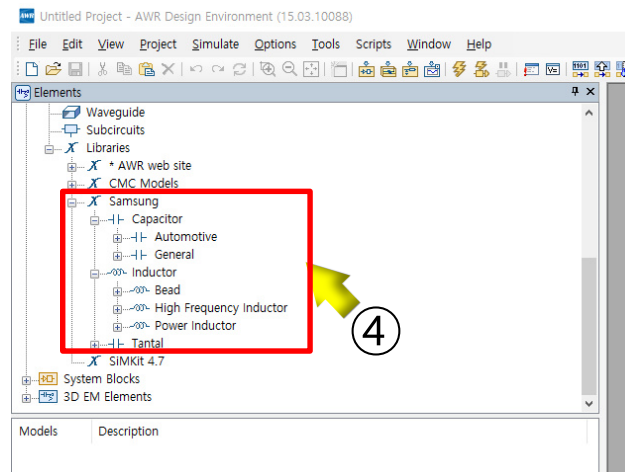


03. How to Use Samsung Library (1)

- At the tool bar of AWR, click new project without saving.

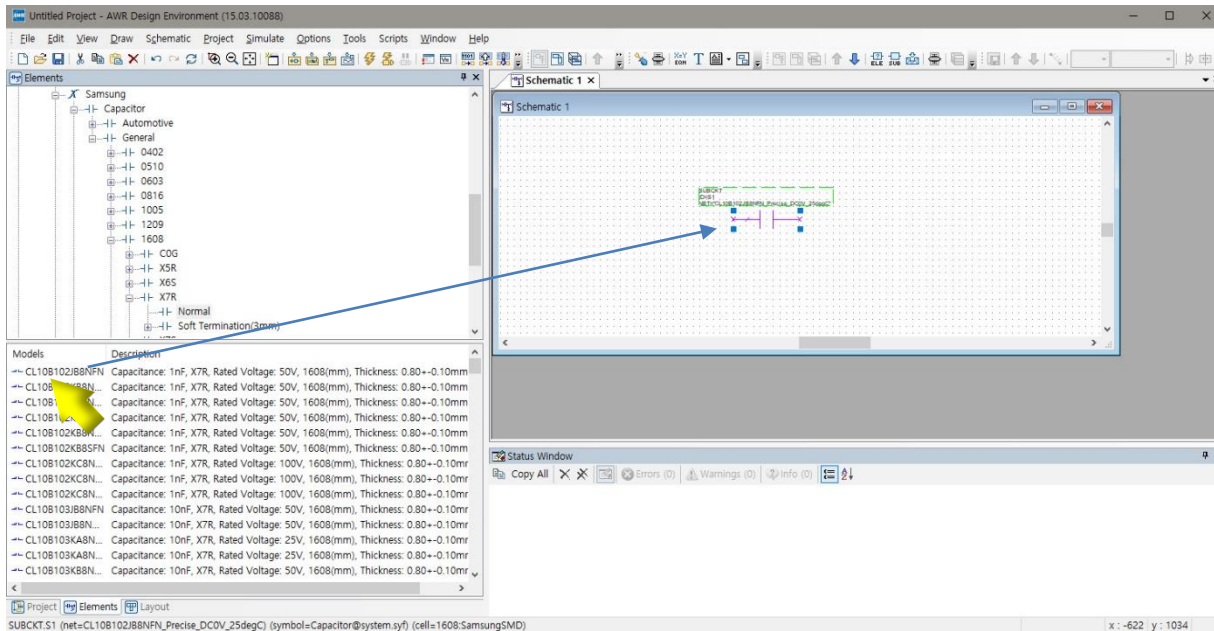


- At the Elements Tab of AWR window, click and check the Samsung libraries.



03. How to Use Samsung Library (2)

- Click the component you need and put down on the schematic sheet.
- Simple description is shown at the right side of part number(Models)



03. How to Use Samsung Library (3)

- For the detailed information of the component, Right-click the symbol to display the window and click 'Help'.

The screenshot illustrates the process of accessing detailed component information in an EDA tool. It shows a schematic editor window with a context menu open over a capacitor symbol. The menu includes options like 'Toggle Enable', 'Place in Layout', and 'Help'. A yellow arrow points to the 'Help' option. Below the schematic editor is a 'Models' list with various capacitor specifications. To the right is a product search result page for 'CL10B102JB8NFN#' showing a table of sizes and a 3D model of the component.

Models

Models	Description
CL10B102JB8NFN	Capacitance: 1nF, X7R, Rated Voltage: 50V, 1608(mm), Thickness: 0.80+-0.10mm
CL10B102KB8N...	Capacitance: 1nF, X7R, Rated Voltage: 50V, 1608(mm), Thickness: 0.80+-0.10mm
CL10B102KB8N...	Capacitance: 1nF, X7R, Rated Voltage: 50V, 1608(mm), Thickness: 0.80+-0.10mm
CL10B102KB8N...	Capacitance: 1nF, X7R, Rated Voltage: 50V, 1608(mm), Thickness: 0.80+-0.10mm
CL10B102KB8N...	Capacitance: 1nF, X7R, Rated Voltage: 50V, 1608(mm), Thickness: 0.80+-0.10mm
CL10B102KB85FN	Capacitance: 1nF, X7R, Rated Voltage: 50V, 1608(mm), Thickness: 0.80+-0.10mm
CL10B102KC8N...	Capacitance: 1nF, X7R, Rated Voltage: 100V, 1608(mm), Thickness: 0.80+-0.10mr
CL10B102KC8N...	Capacitance: 1nF, X7R, Rated Voltage: 100V, 1608(mm), Thickness: 0.80+-0.10mr
CL10B102KC8N...	Capacitance: 1nF, X7R, Rated Voltage: 100V, 1608(mm), Thickness: 0.80+-0.10mr
CL10B103JB8NFN	Capacitance: 10nF, X7R, Rated Voltage: 50V, 1608(mm), Thickness: 0.80+-0.10mr
CL10B103JB8N...	Capacitance: 10nF, X7R, Rated Voltage: 50V, 1608(mm), Thickness: 0.80+-0.10mr
CL10B103KA8N...	Capacitance: 10nF, X7R, Rated Voltage: 25V, 1608(mm), Thickness: 0.80+-0.10mr
CL10B103KA8N...	Capacitance: 10nF, X7R, Rated Voltage: 25V, 1608(mm), Thickness: 0.80+-0.10mr
CL10B103KB8N...	Capacitance: 10nF, X7R, Rated Voltage: 50V, 1608(mm), Thickness: 0.80+-0.10mr

CL10B102JB8NFN#

MLCC > Normal Type

Size

Size Code	0603 (1608)	(continued)
L Size	1.60x0.16mm	
W Size	0.80x0.16mm	
T Size	0.80x0.16mm	

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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