

UNIT II

Schematic Sheet

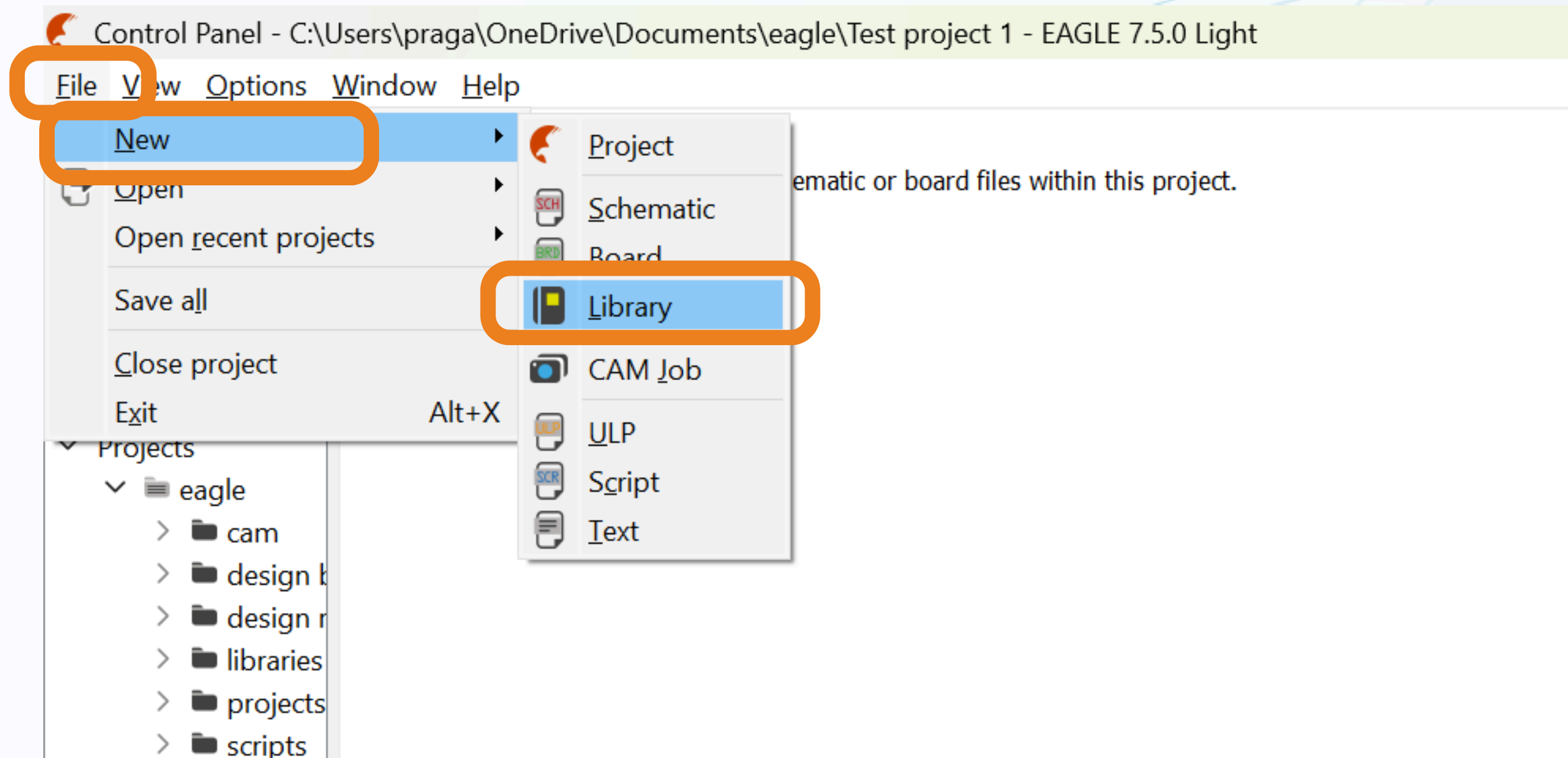
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Own Library CREATION



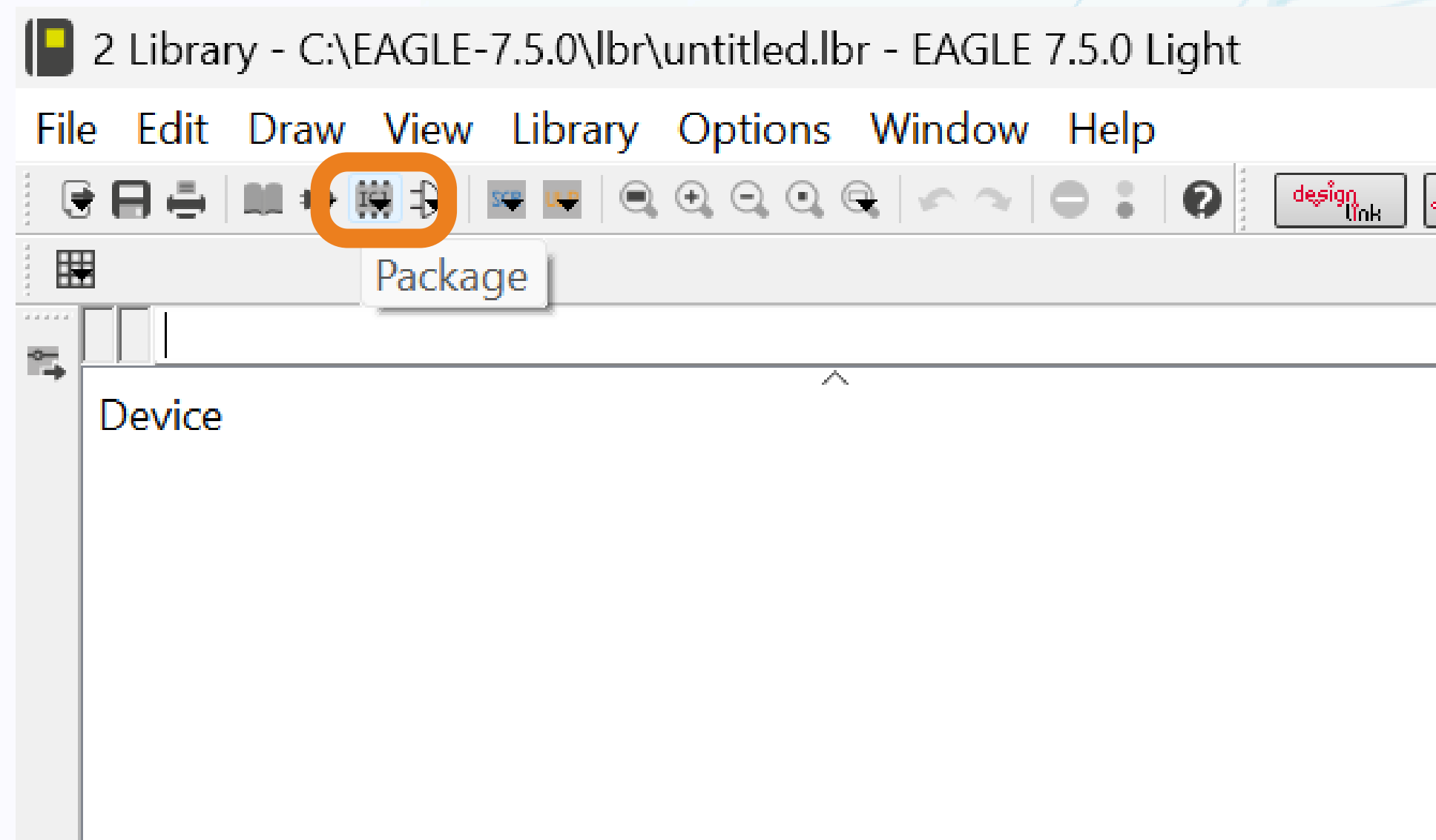
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Library CREATION



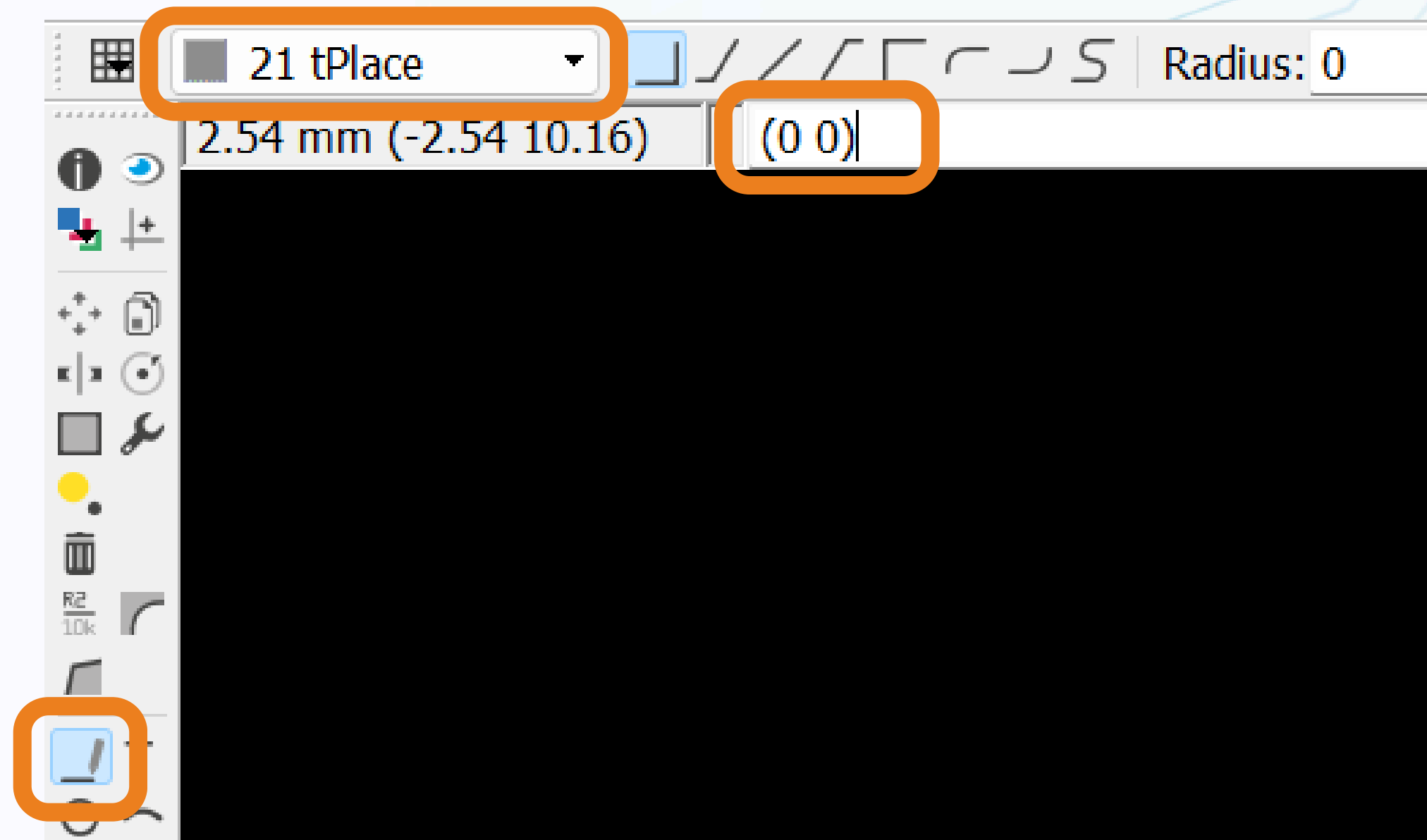
File > New > Library

Library CREATION



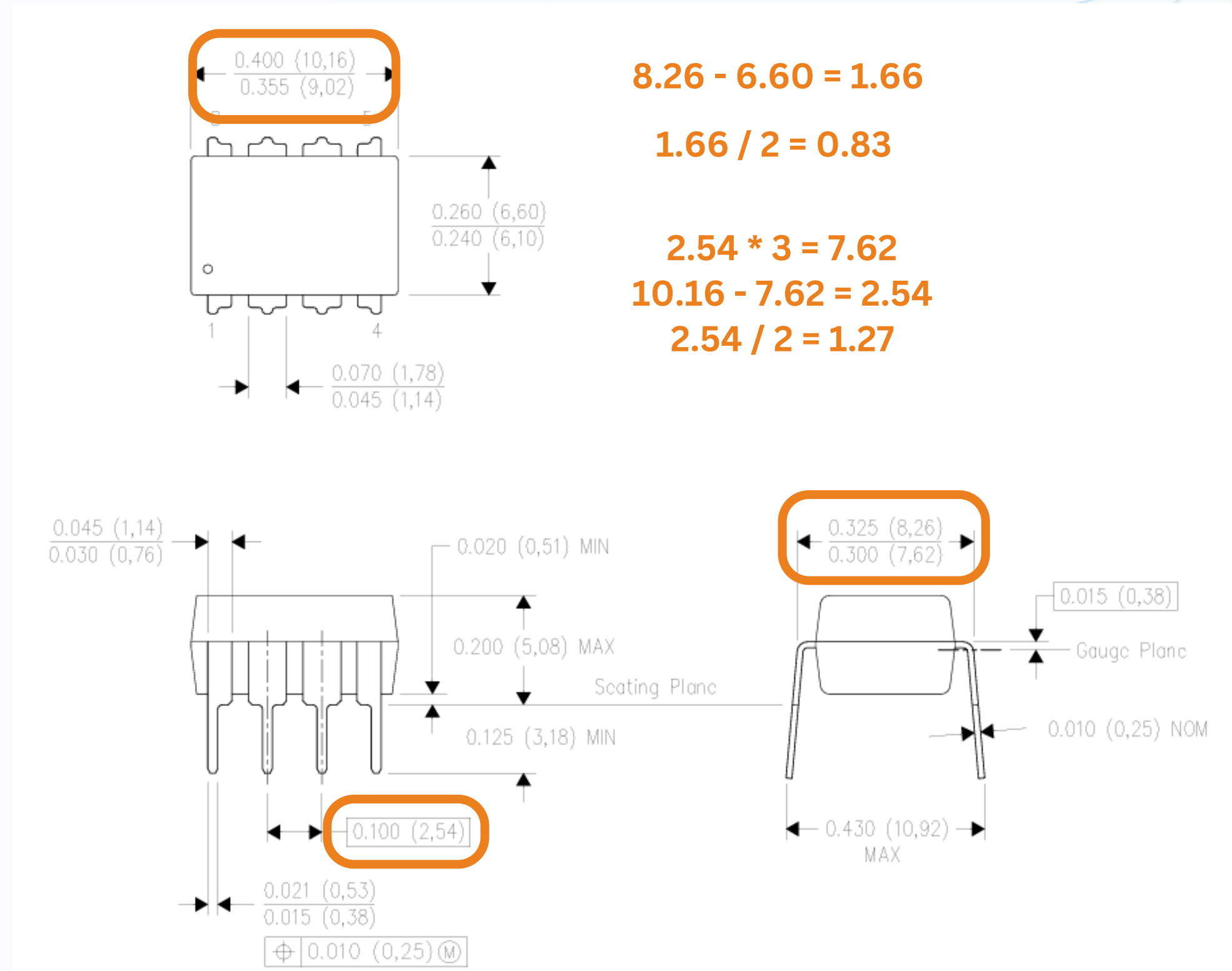
Select > Package

Library CREATION

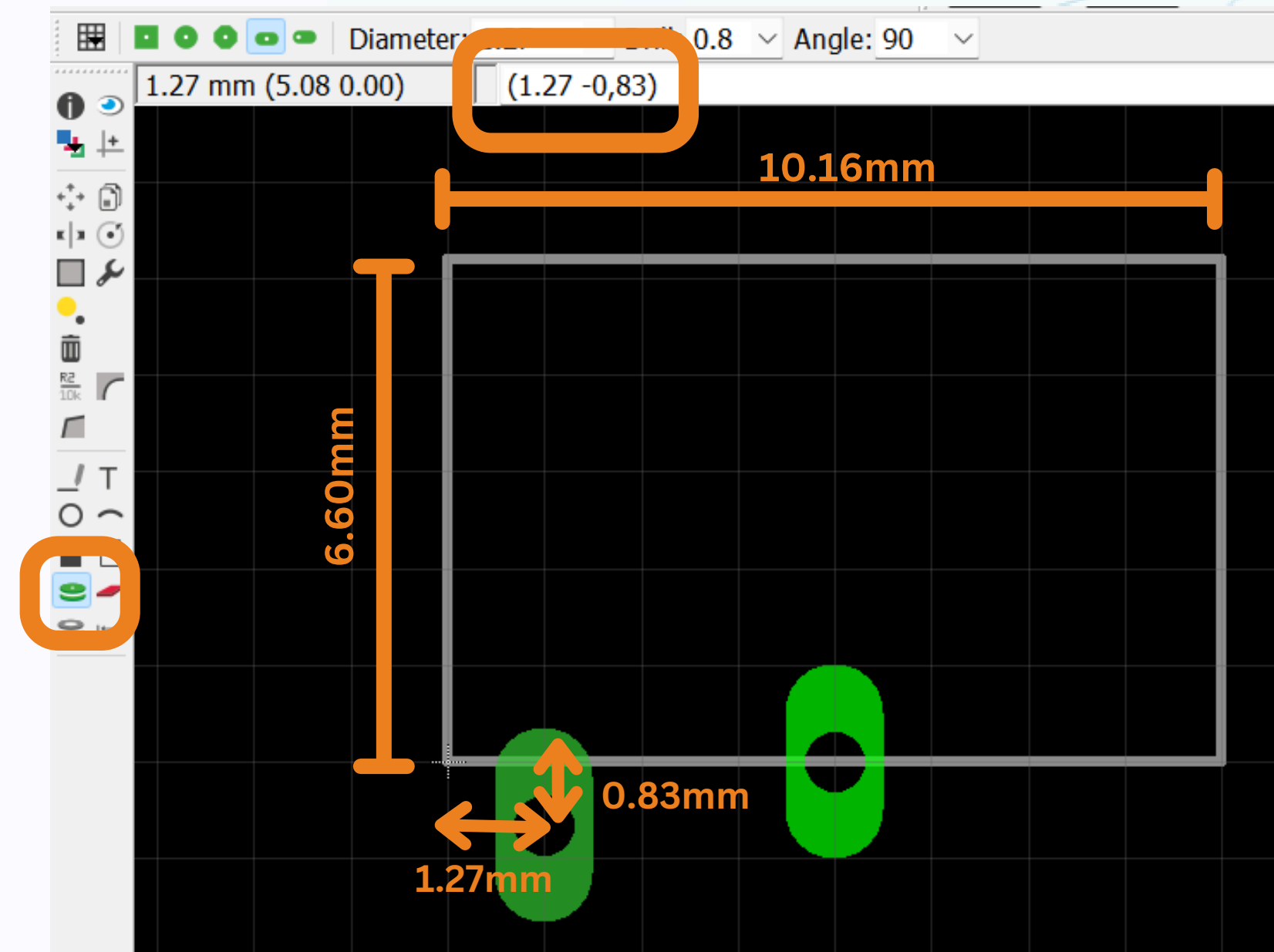


Select the wire > 21 tPlace >
(x,y) coordination

Library CREATION



Library CREATION



Set the copper pad Coordination

Library CREATION

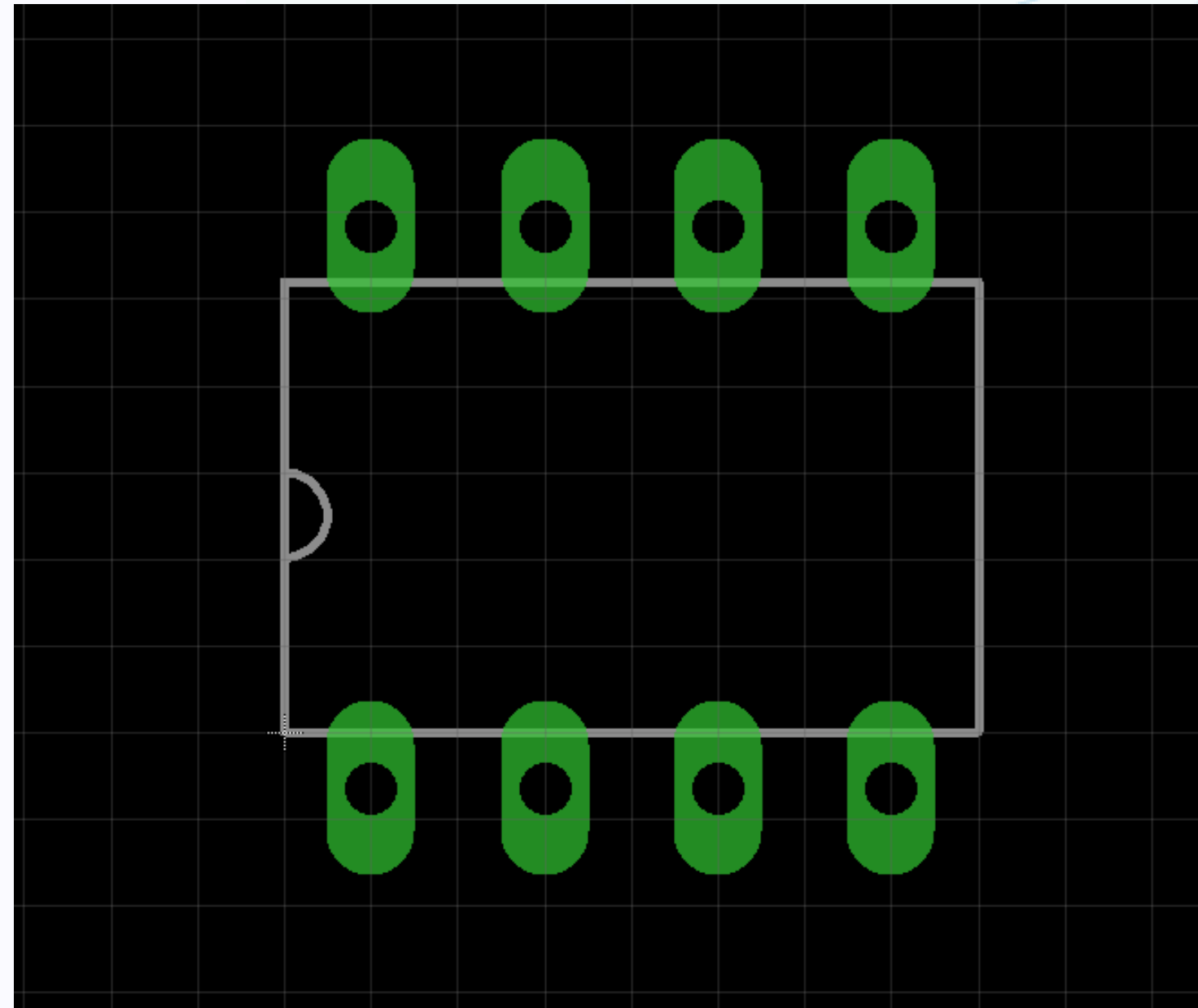
$$1.27 + 2.54 = 3.81$$
$$3.81 + 2.54 = 6.35$$
$$6.35 + 2.54 = 8.89$$

A	B
1.27	-0.83
3.81	-0.83
6.35	-0.83
8.89	-0.83

A	B
1.27	7.43
3.81	7.43
6.35	7.43
8.89	7.43

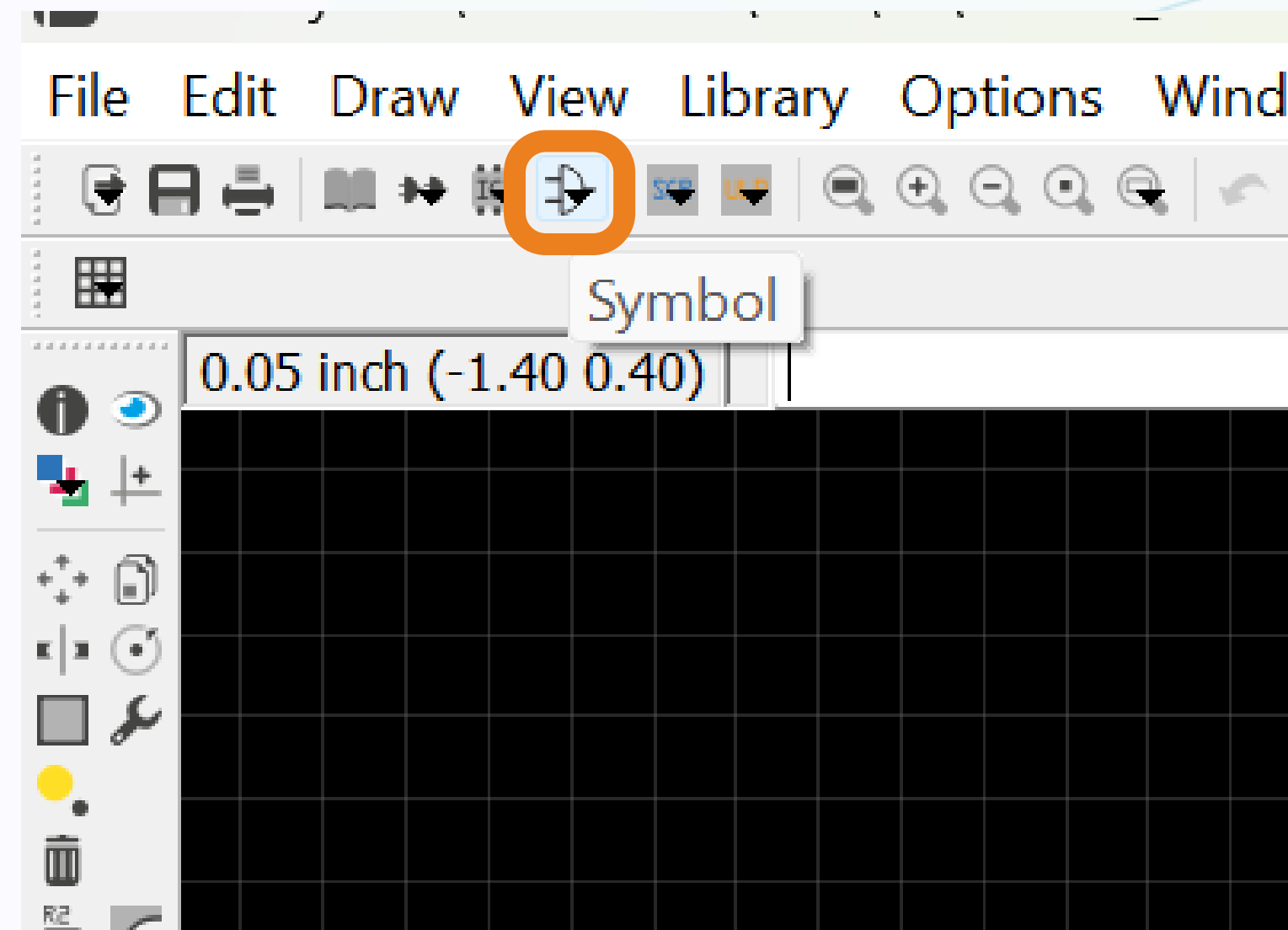
$$6.6 + 0.83 = 7.43$$

Library CREATION



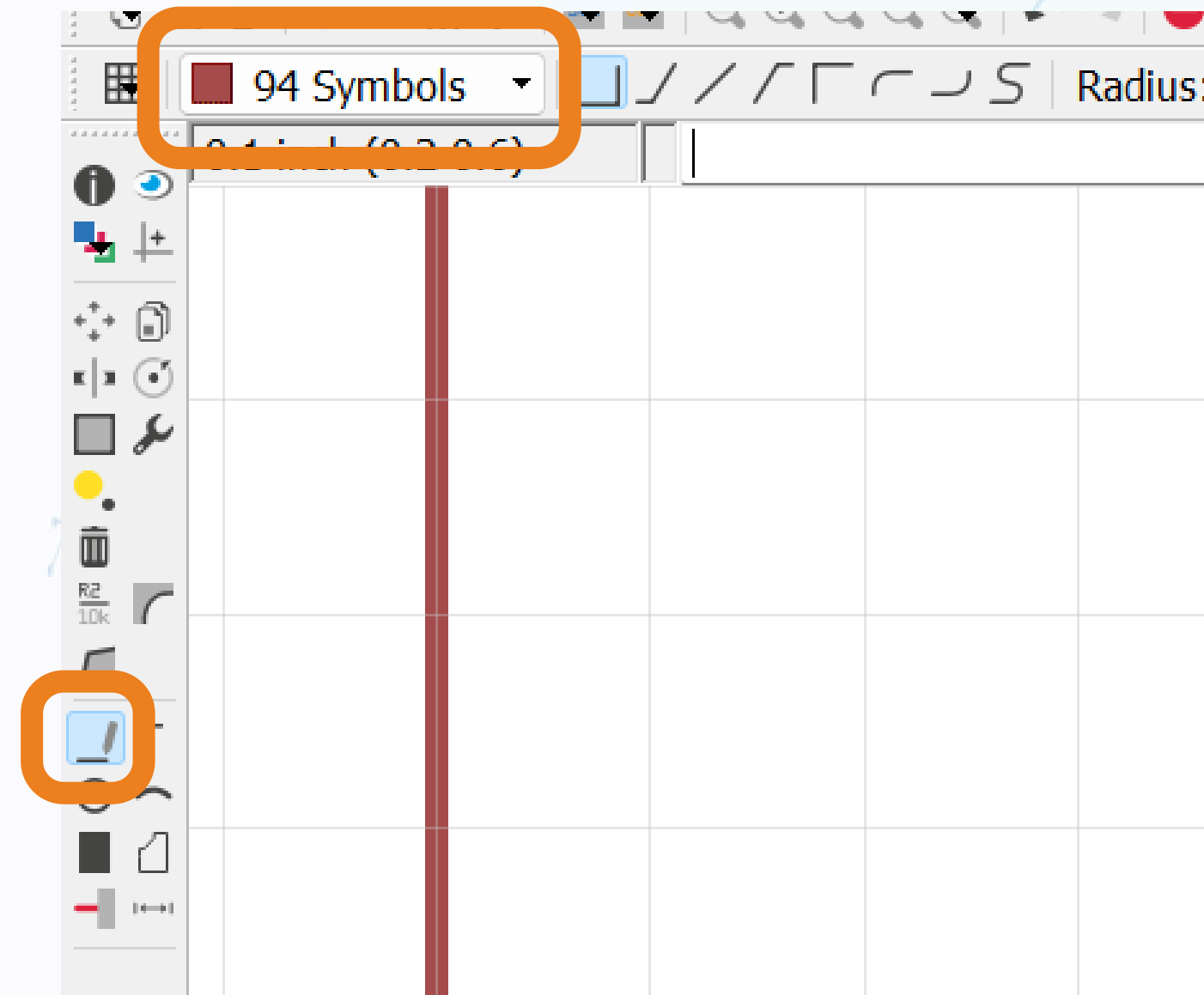
**Place all the copper pad at the right
coordination**

Library CREATION



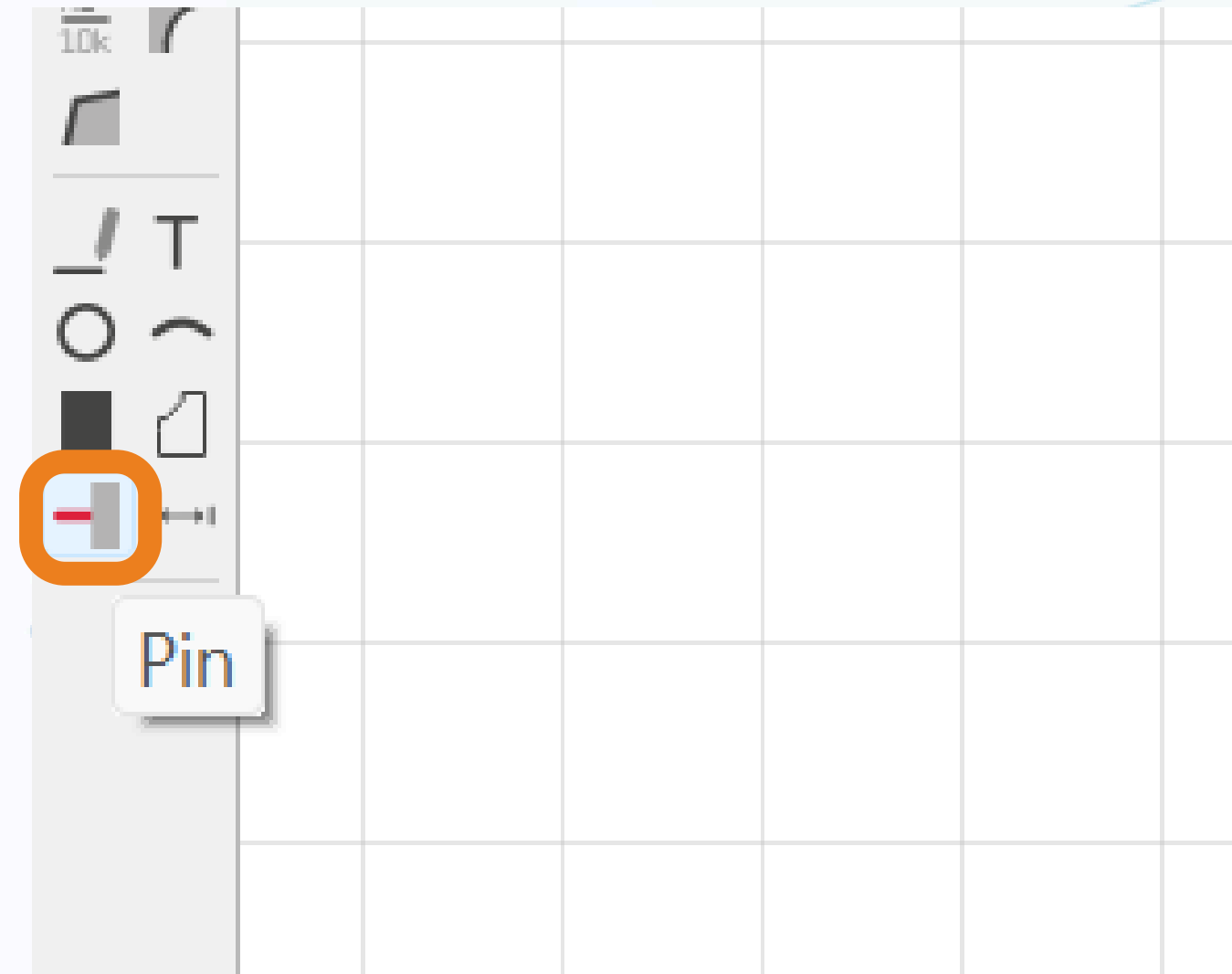
Select > Symbol

Library CREATION



**Select the wire > 94 Symbol >
Draw the symbol outline**

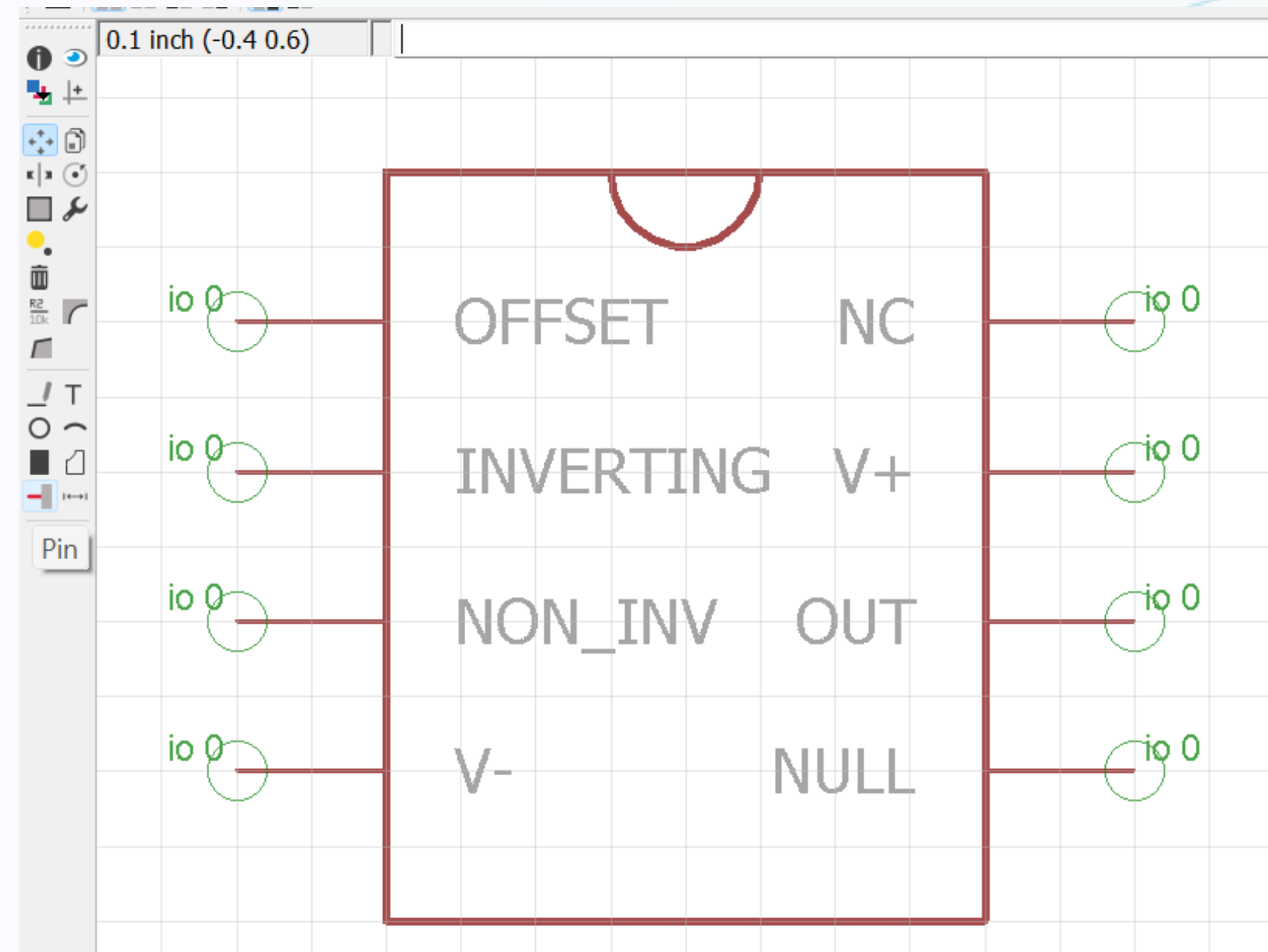
Library CREATION



Select > Symbol

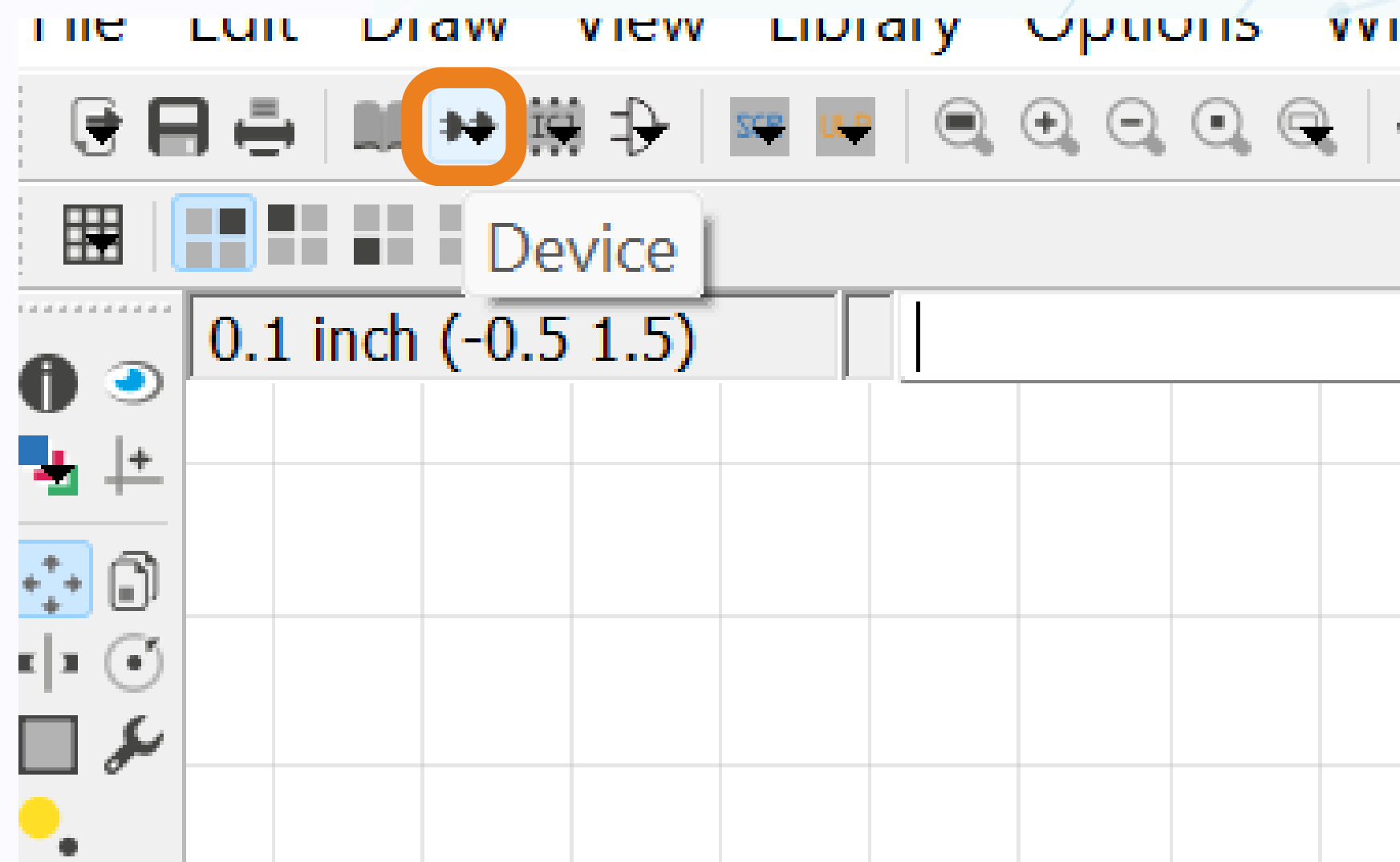
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Library CREATION



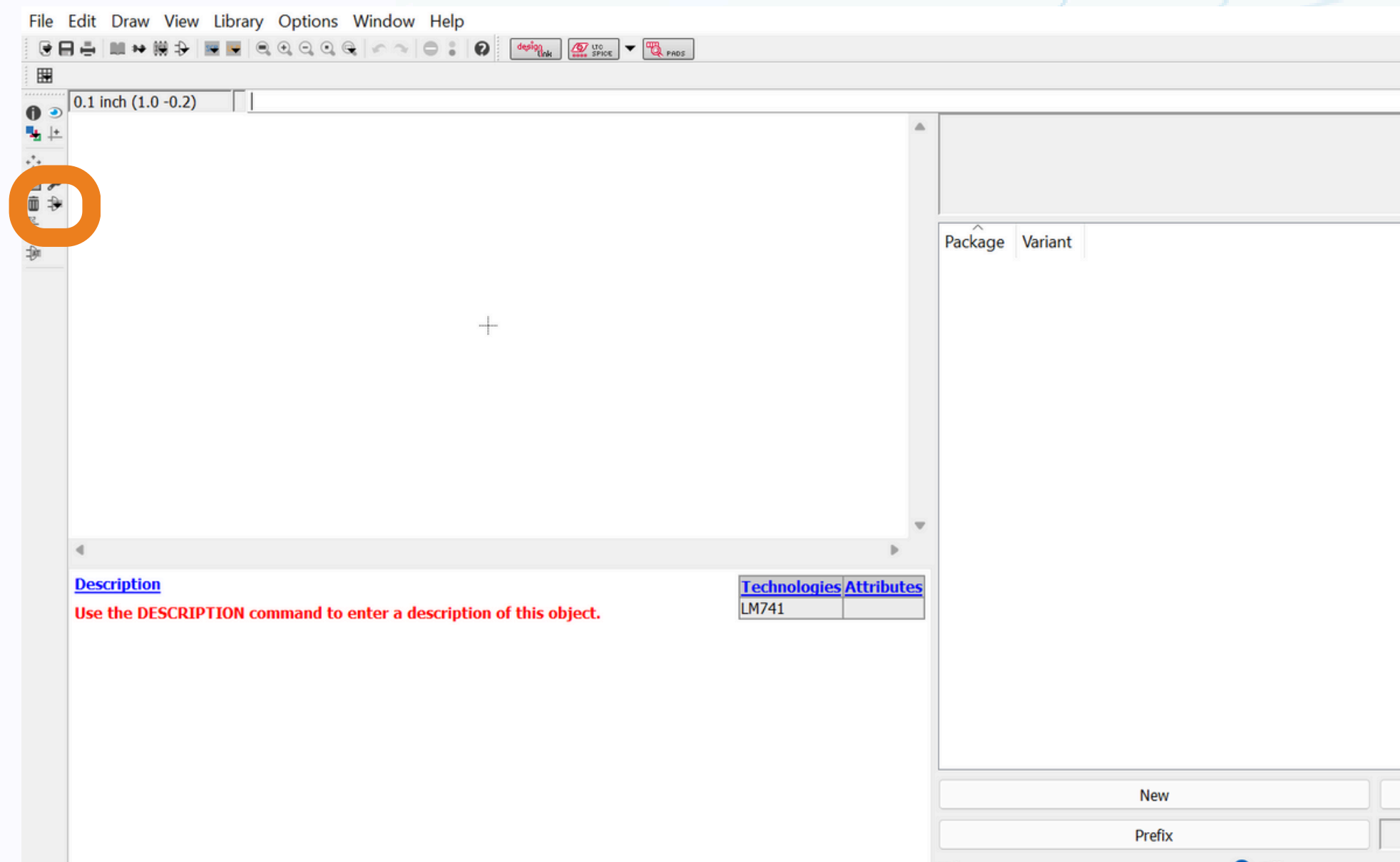
Place the pin and change the pin names

Library CREATION



Select > Device

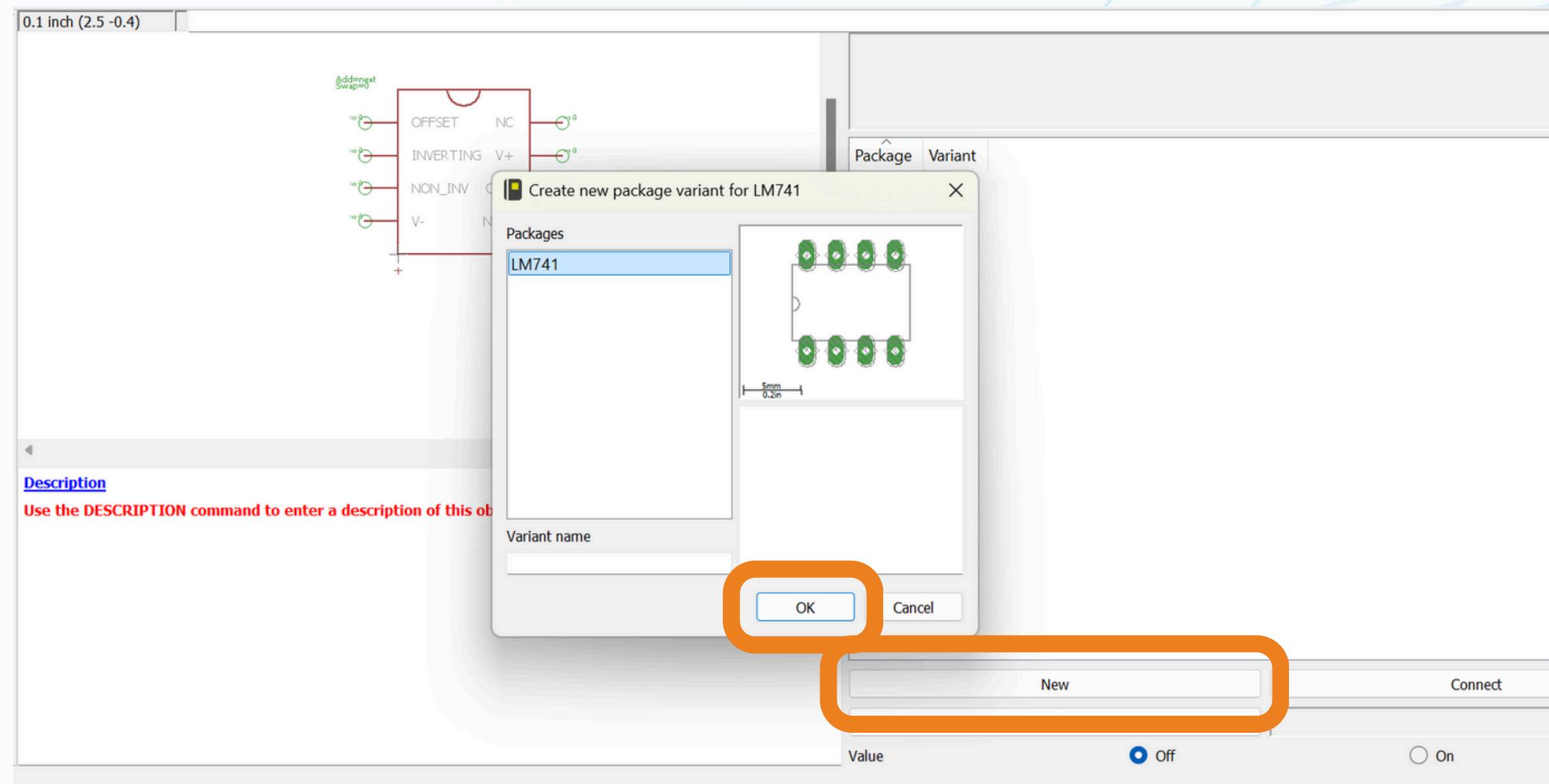
Library CREATION



Select > Add > add the Symbol

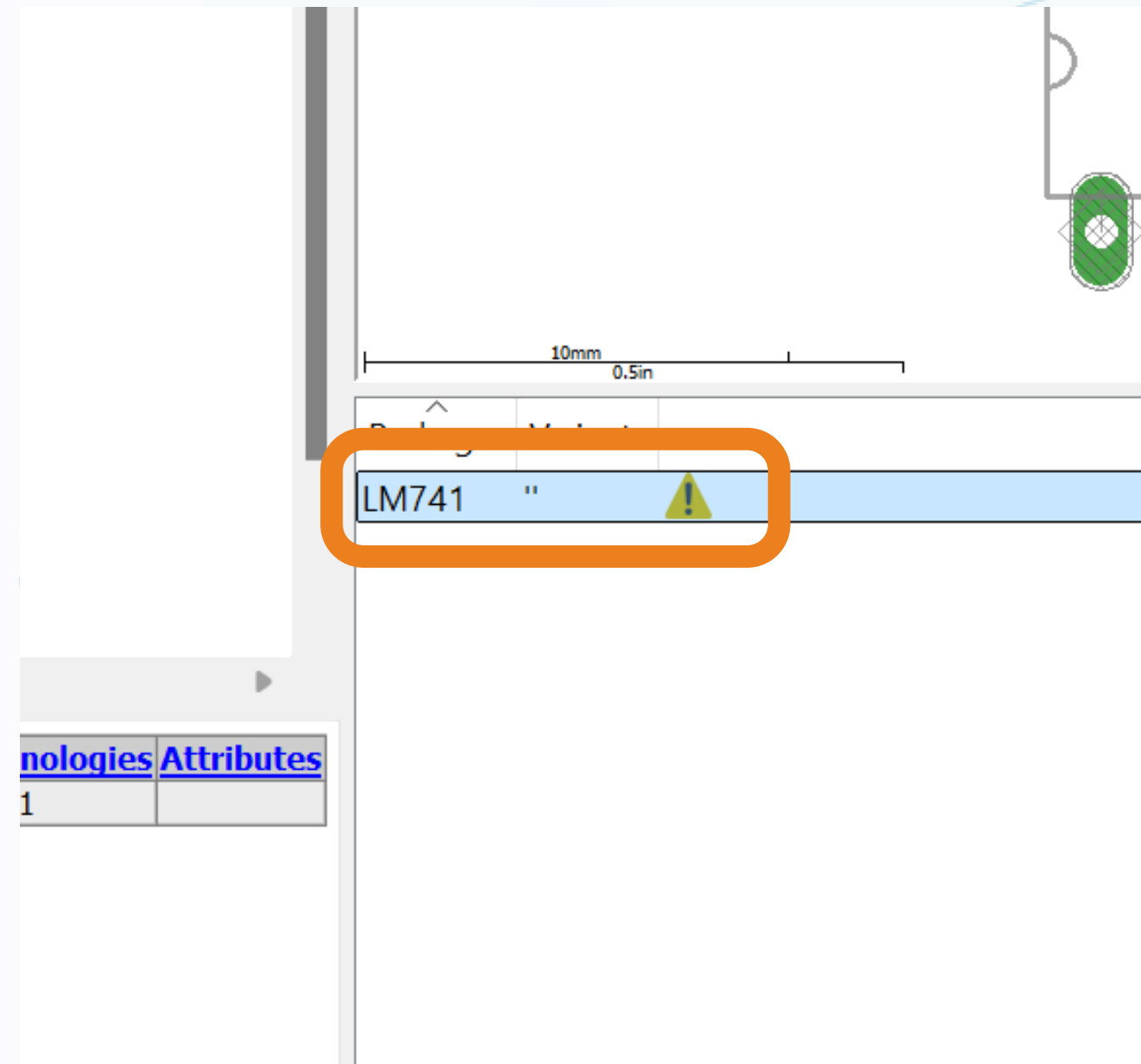
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Library CREATION



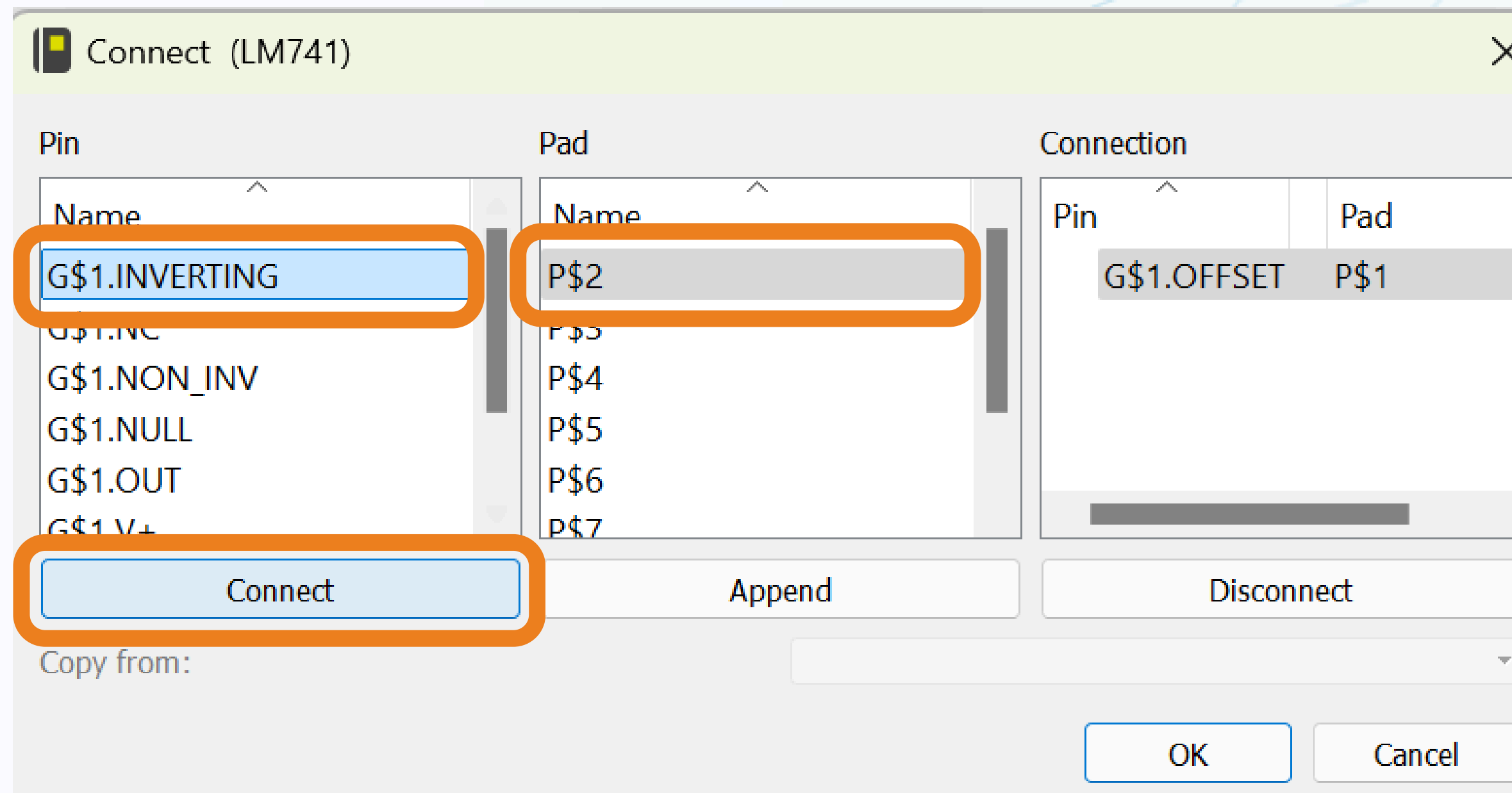
Select > New > add the footprint

Library CREATION



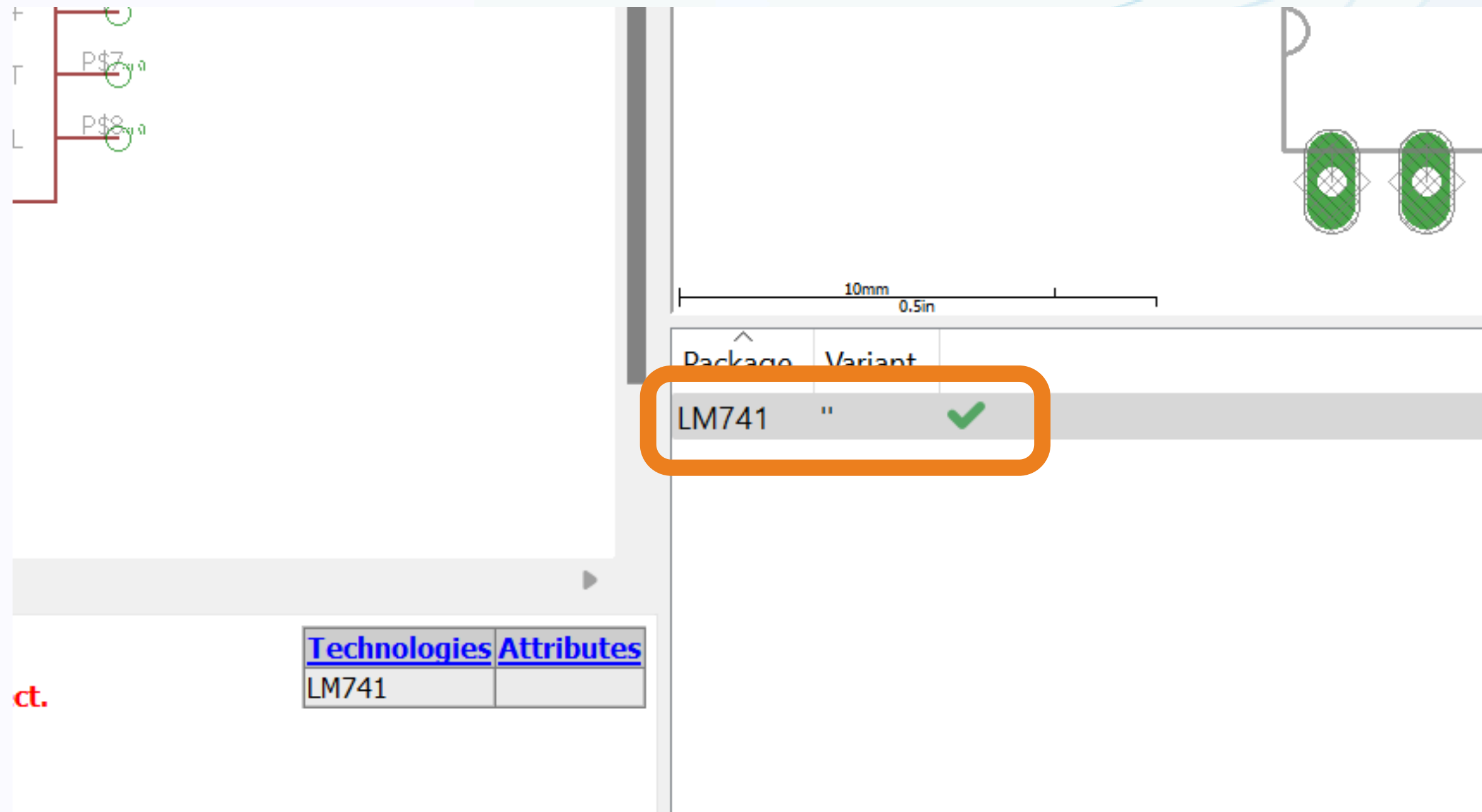
Select > file to pin connection

Library CREATION



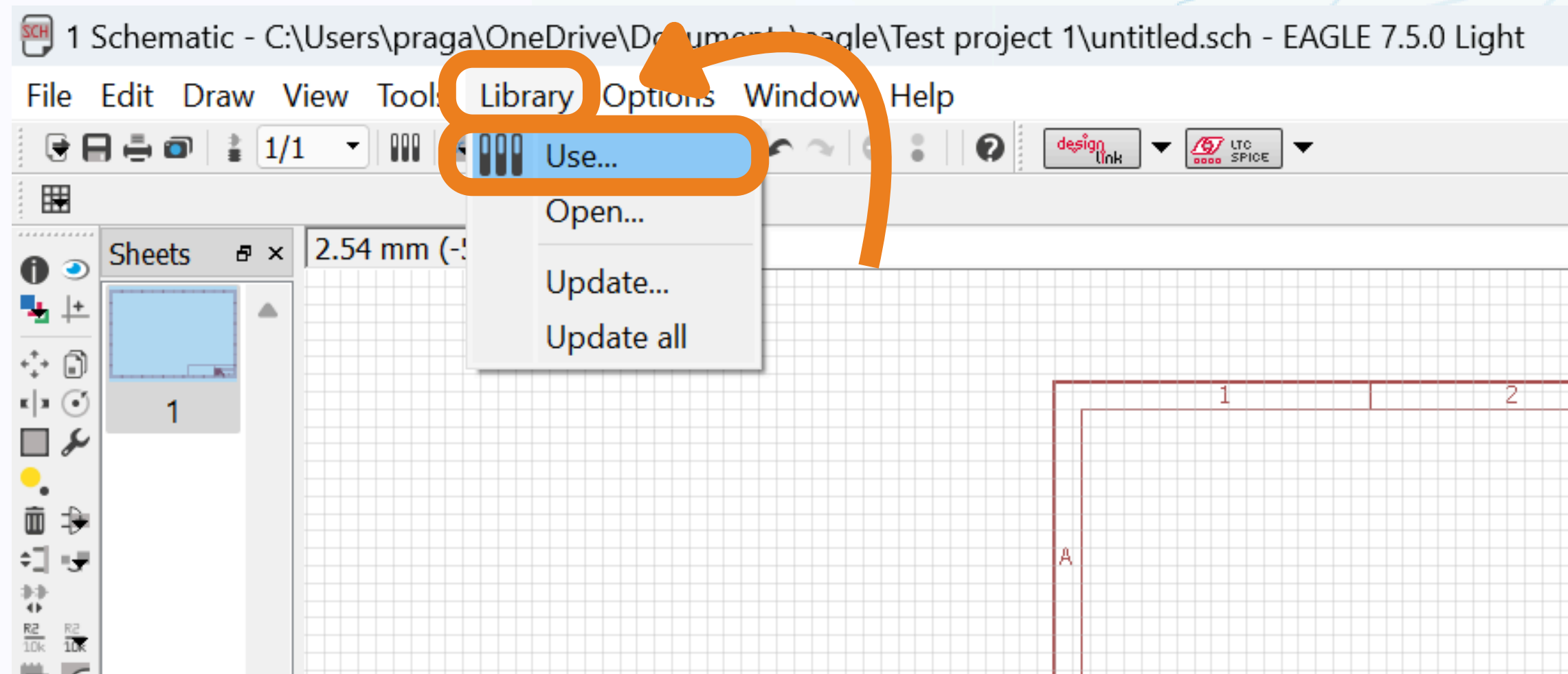
Map all the pin to the pad

Library CREATION



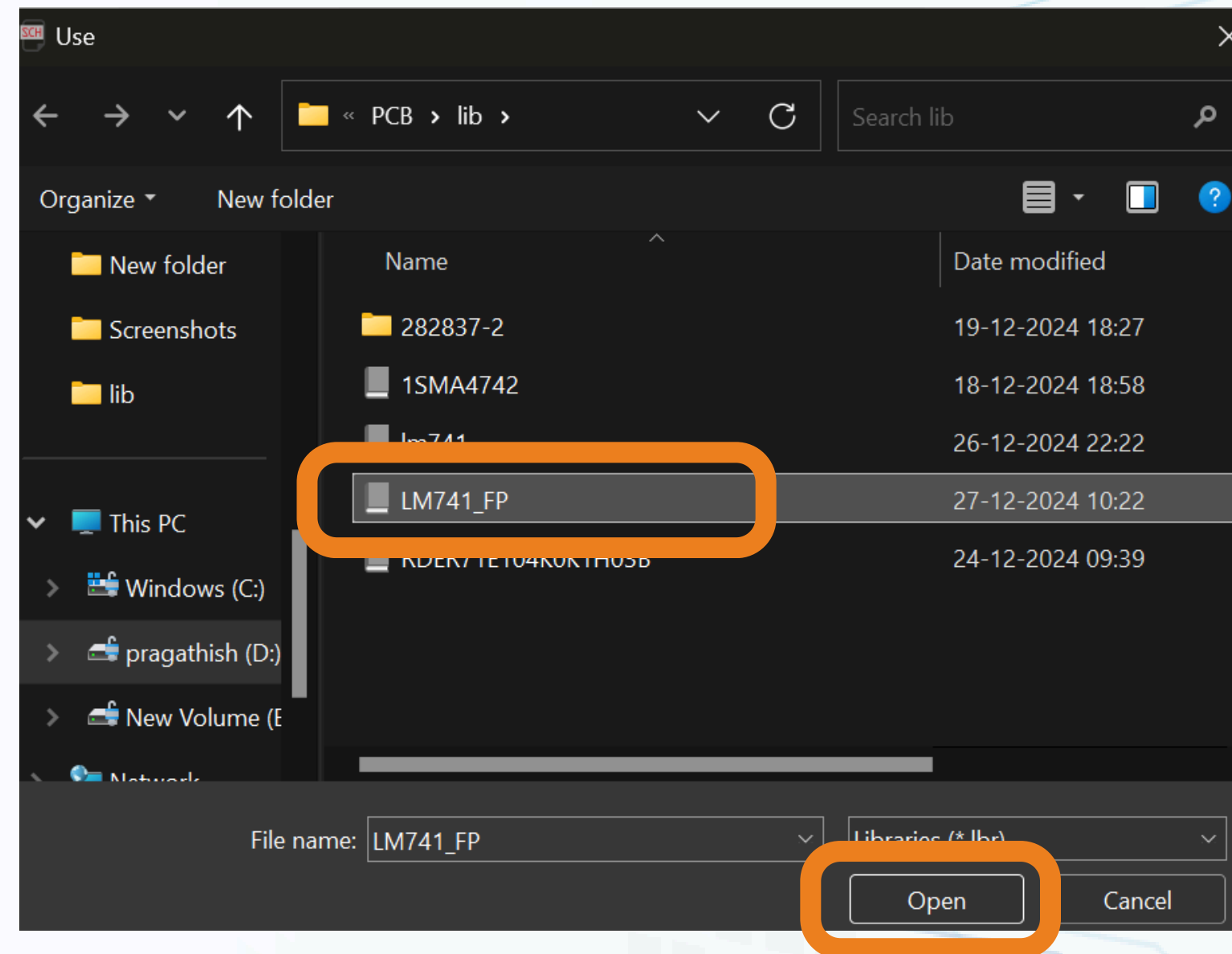
After mapping all the pin, Verified symbol was obtained

Library CREATION



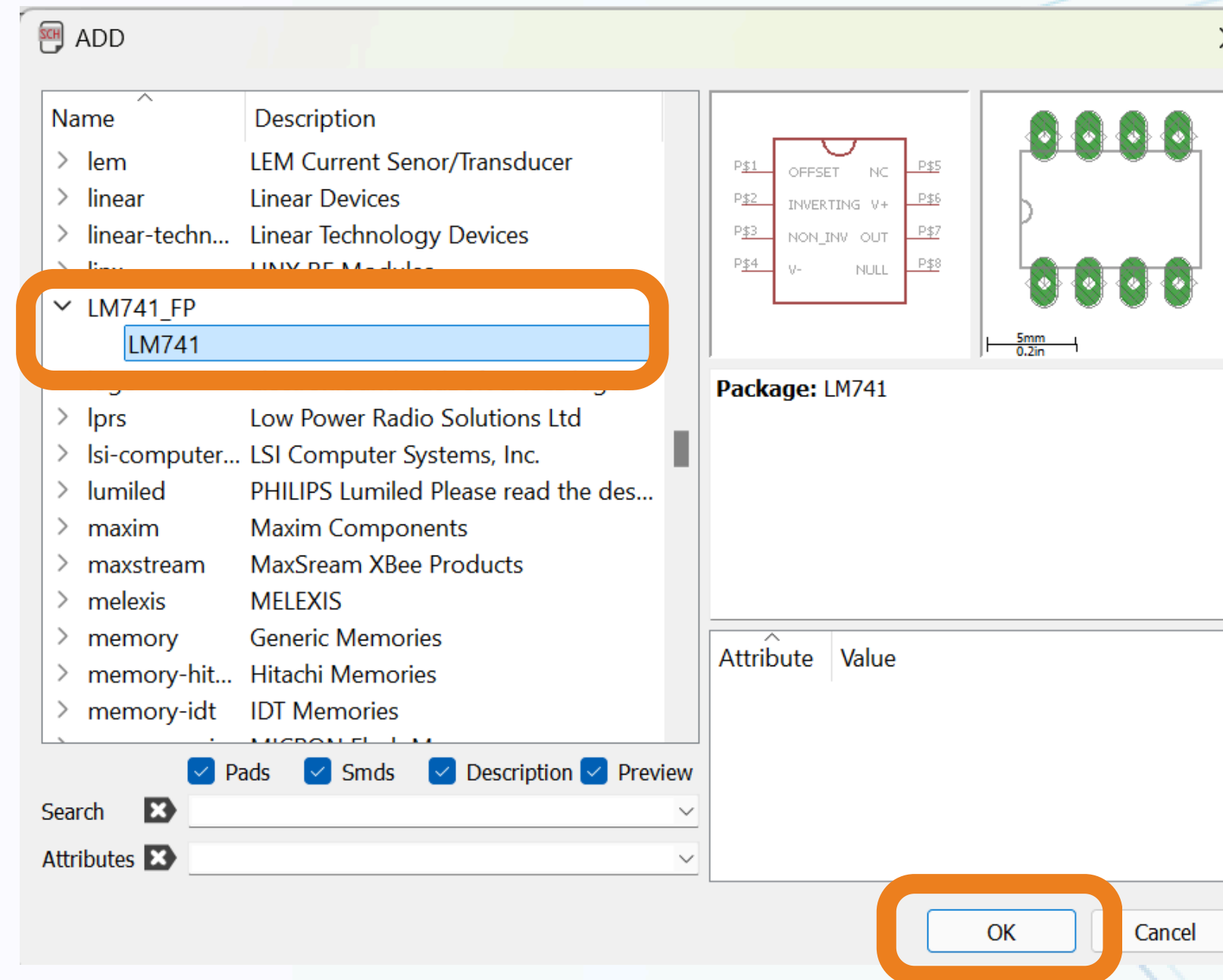
Click > Library > Use

Library CREATION



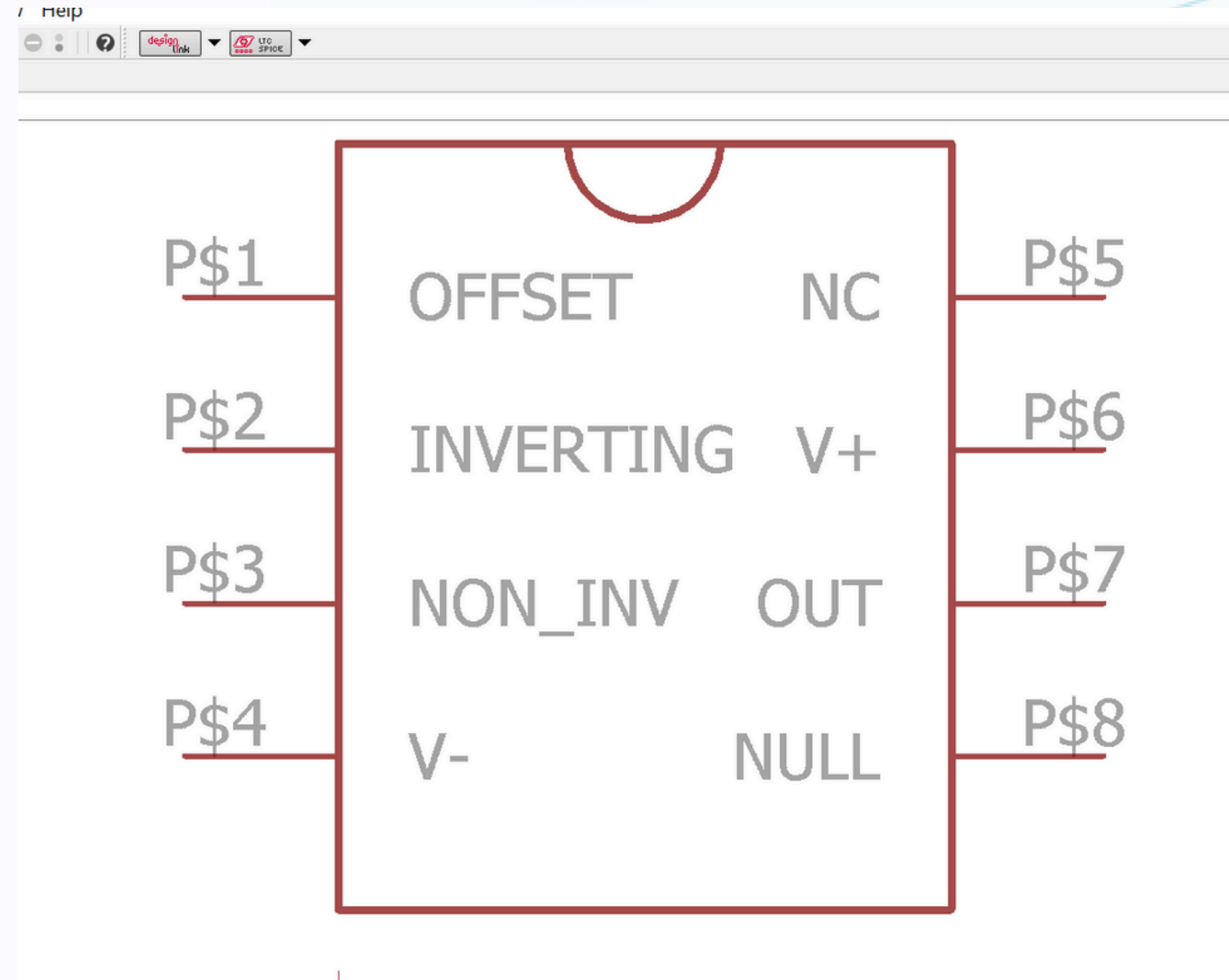
Select > Library file > Open

Library CREATION



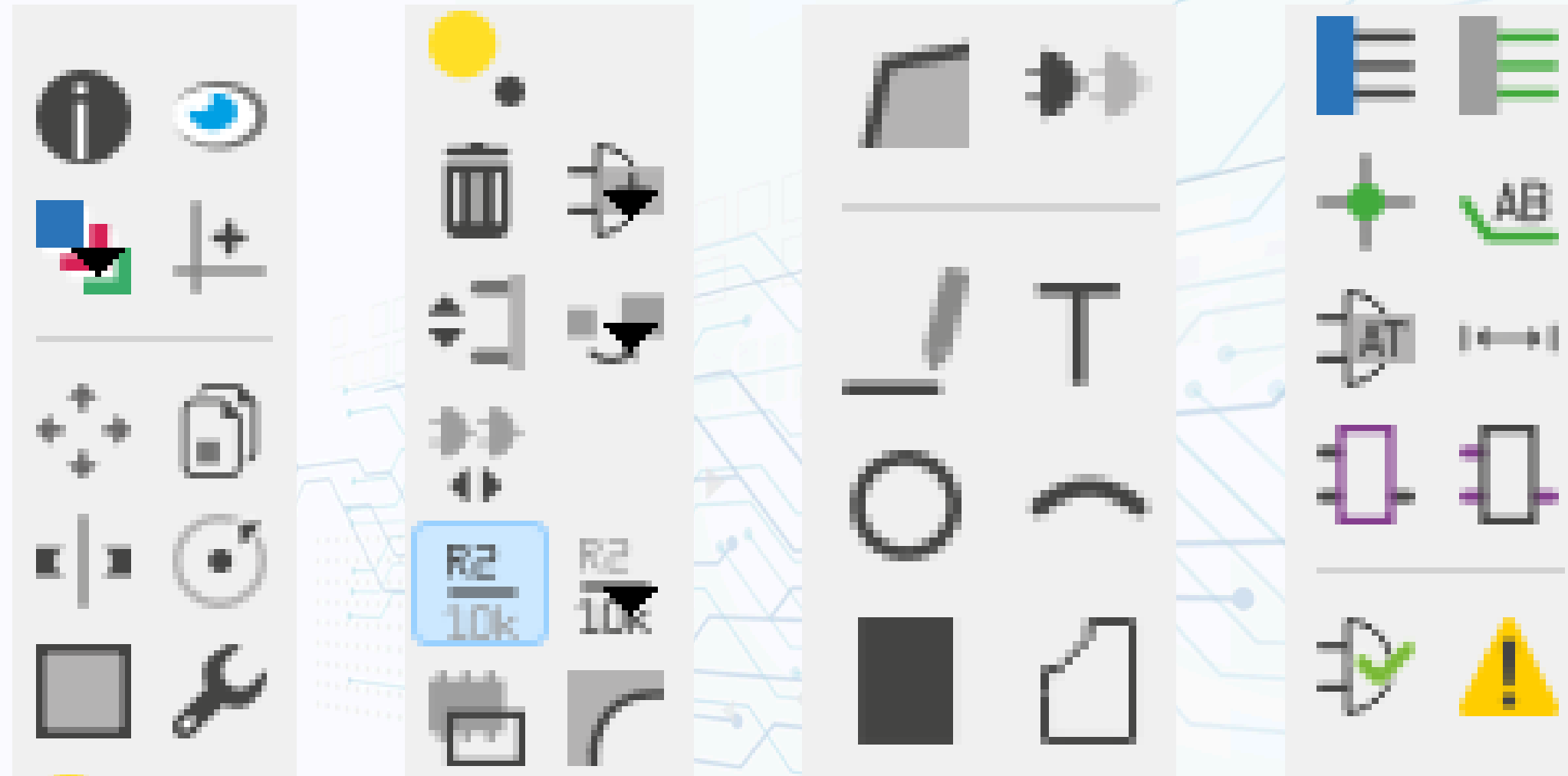
Select > Component > OK

Library CREATION



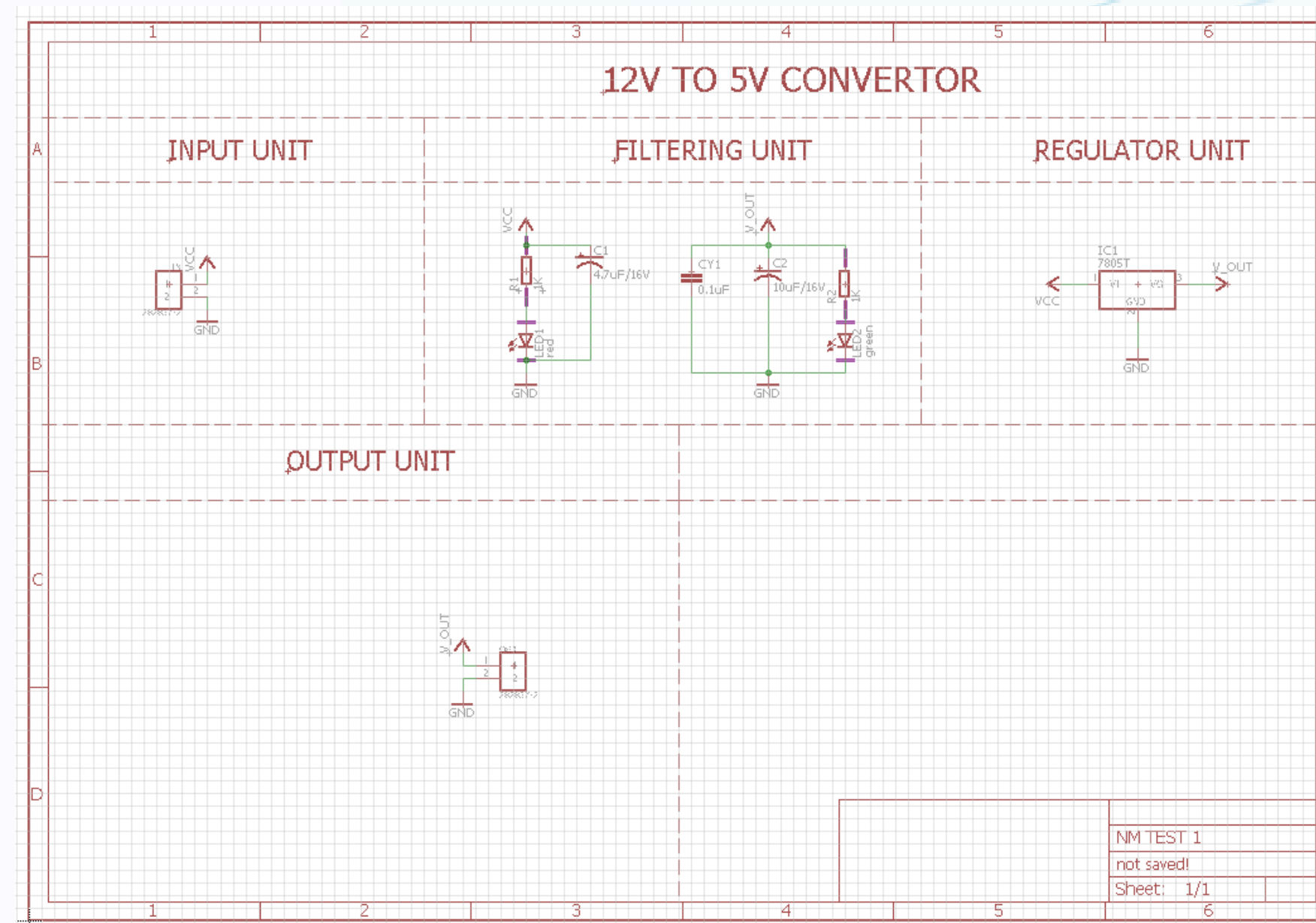
Our own library was imported to the schematic sheet

Schematic Tools



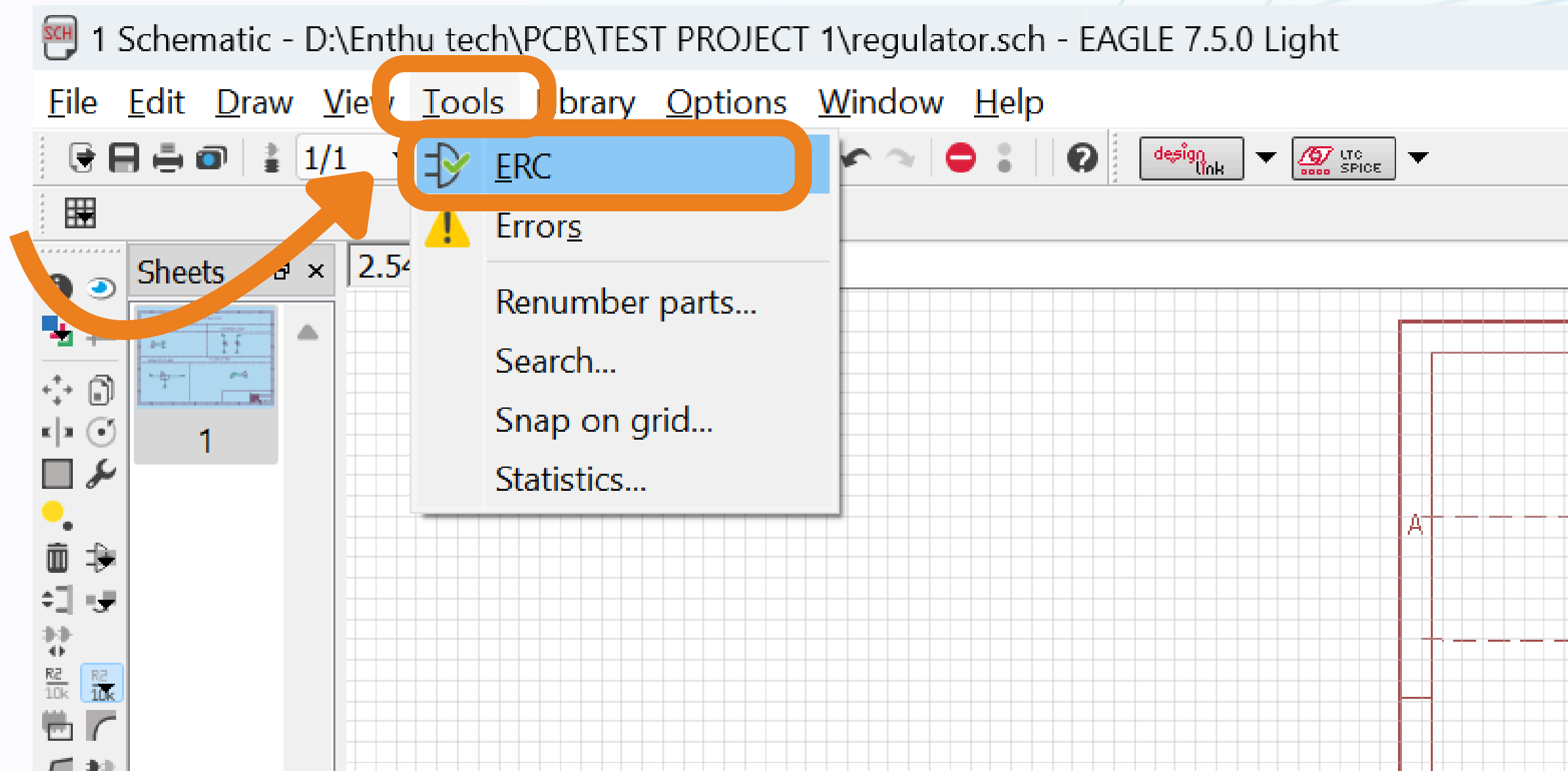
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Component Import



**Import all the components and make
all the necessary connections**

ERC - ELECTRICAL RULE CHECK



ERC - ELECTRICAL RULE CHECK

ERC Errors		
Type	Sheet	Module
Consistency not checked (no board loaded)		
Errors (0)		
Warnings (1)		
! Part FRAME1 has no value	1	
Approved (0)		
☐ Centered		
Processed		
Clear all		
Approve		

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Thank You

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