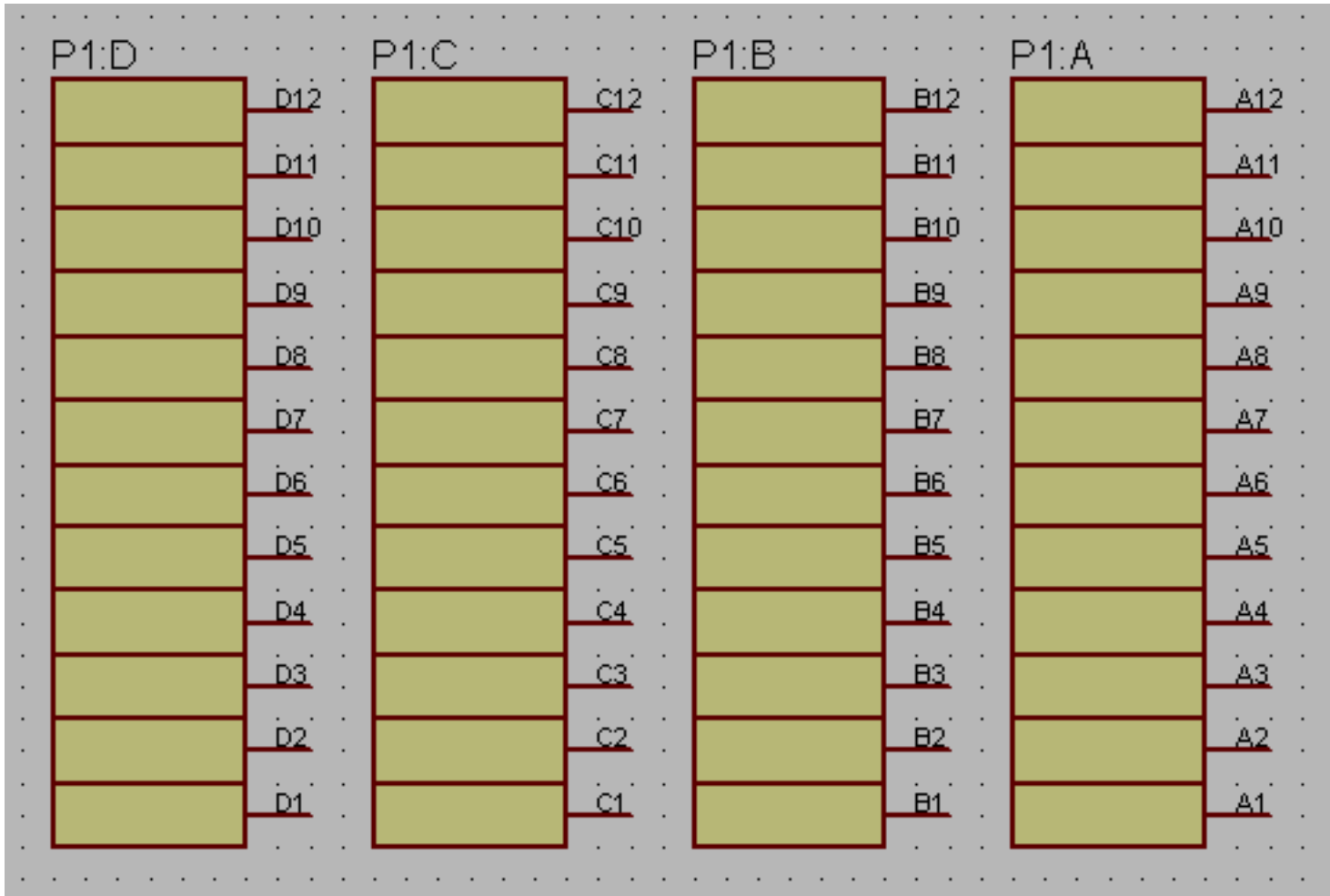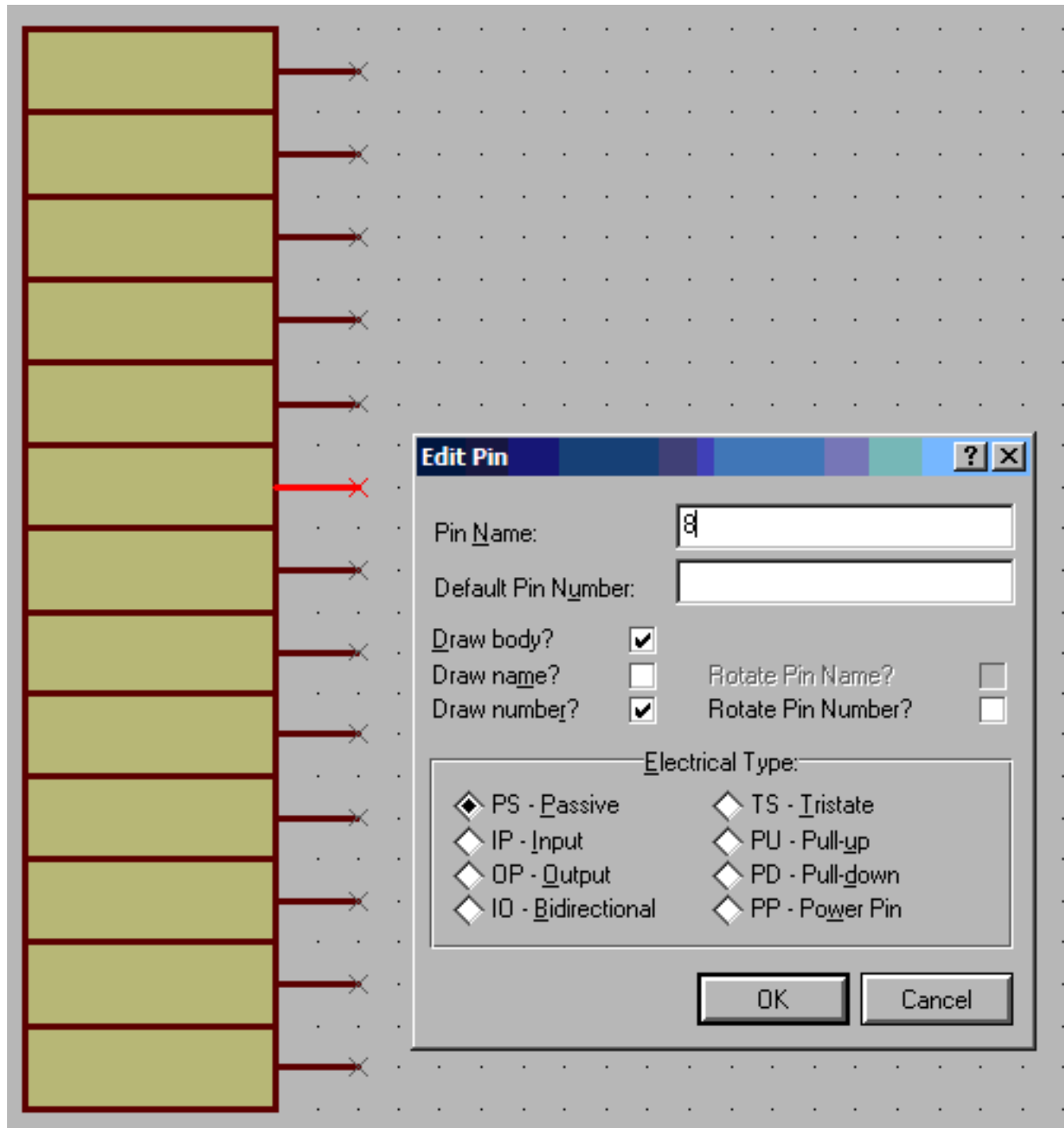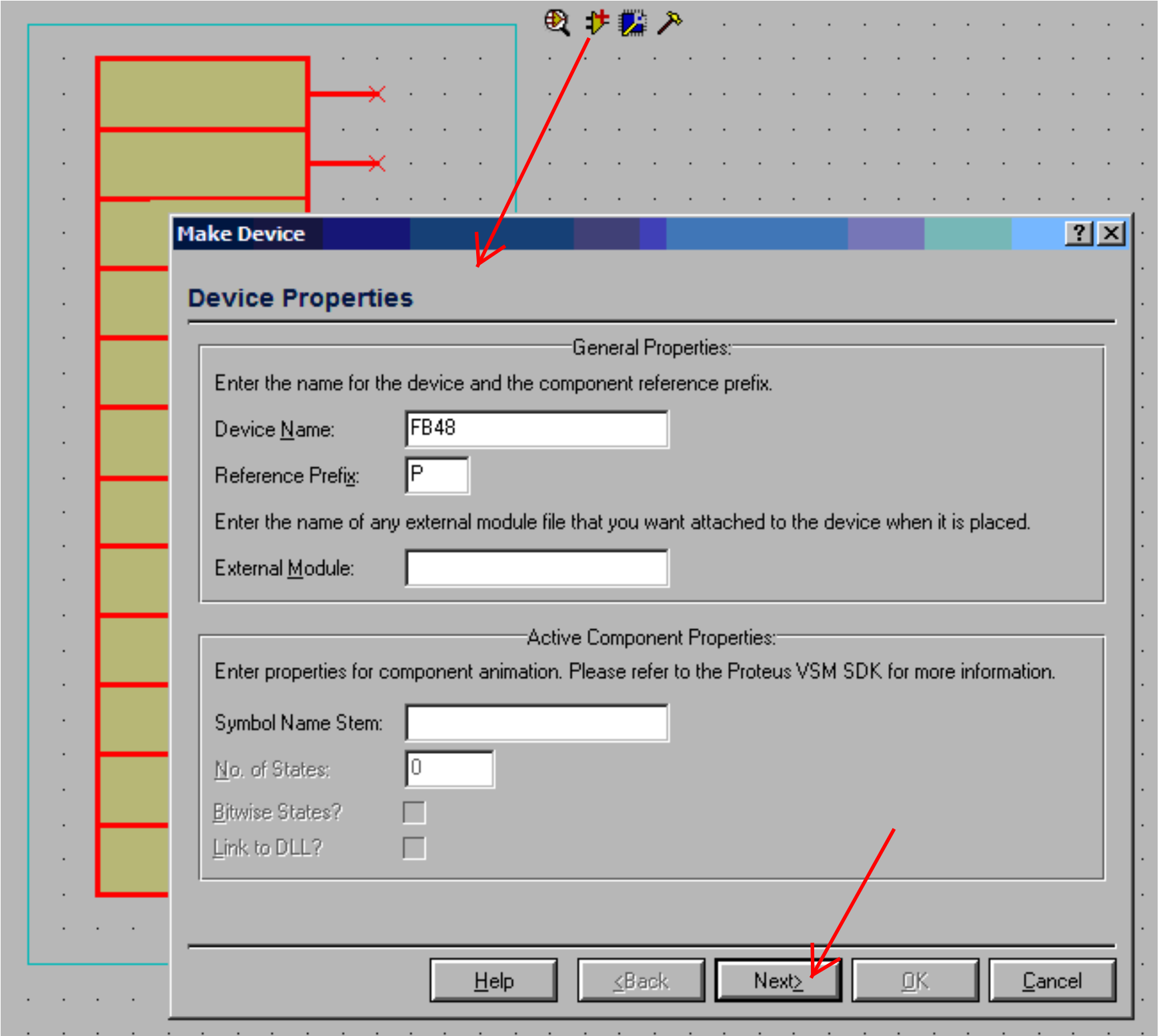# Proteus - ISIS Library
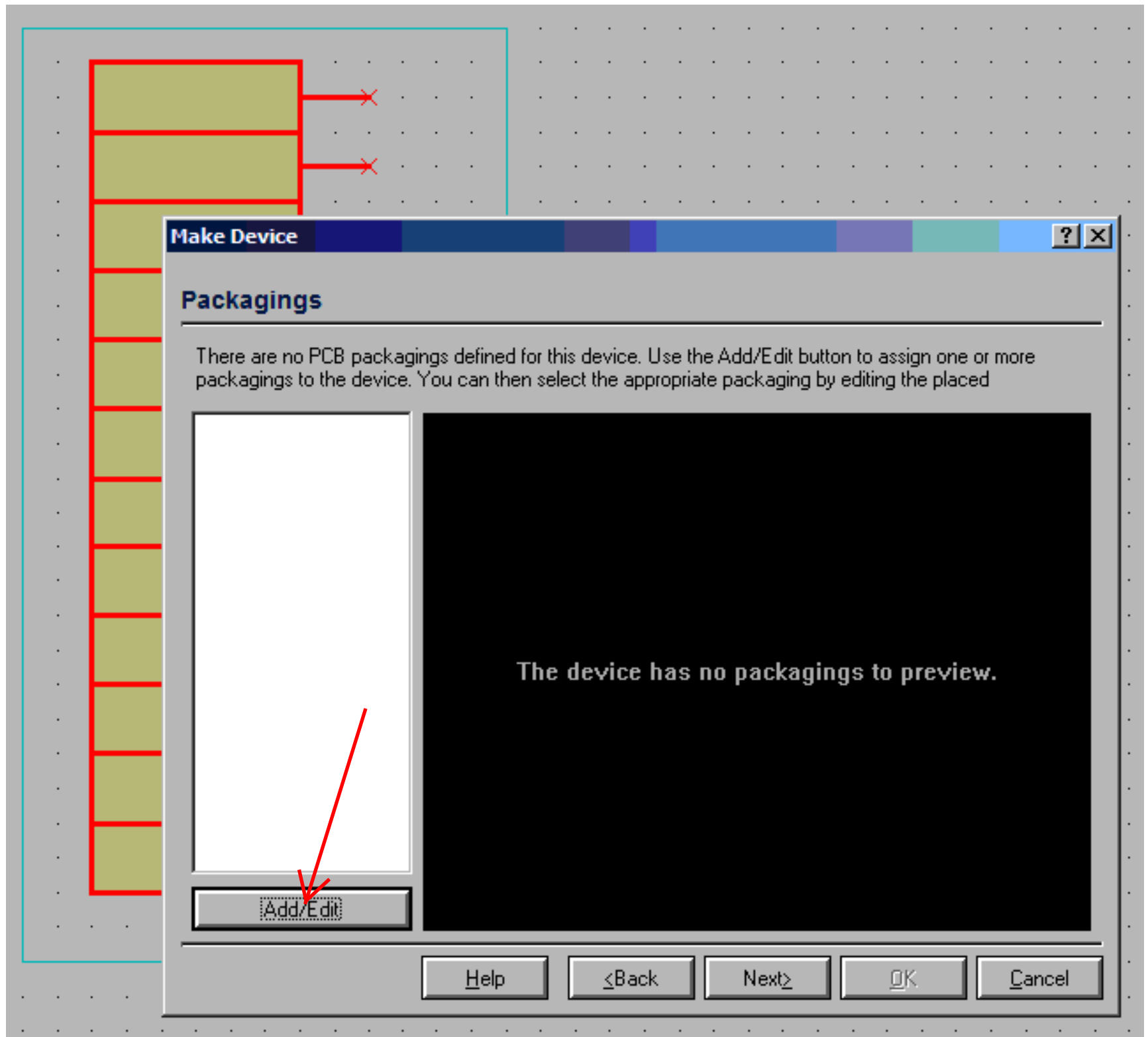# Making a Homogenous multi-part symbol.

Create the single device symbol, assign pin names but not pin numbers (Numbers come later). The pin names may be visible or hidden but MUST be defined for the following steps.

Edit Pin [?] [X]

Pin Name: |8|

Default Pin Number: [   ]

Draw body?   [✓]
Draw name?   [ ]   Rotate Pin Name?   [ ]
Draw number?   [✓]   Rotate Pin Number?   [ ]

Electrical Type:
◆ PS - Passive   ◇ TS - Tristate
◇ IP - Input   ◇ PU - Pull-up
◇ OP - Output   ◇ PD - Pull-down
◇ IO - Bidirectional   ◇ PP - Power Pin

[OK]   [Cancel]

Select the "Make device" command as for any other device and then hit "Next".

Make Device   ? X

Device Properties

General Properties:

Enter the name for the device and the component reference prefix.

Device Name: FB48

Reference Prefix: P

Enter the name of any external module file that you want attached to the device when it is placed.

External Module:

Active Component Properties:

Enter properties for component animation. Please refer to the Proteus VSM SDK for more information.

Symbol Name Stem:

No. of States: 0

Bitwise States?   ☐

Link to DLL?   ☐

Help   <Back   Next>   OK   Cancel

Hit the "Add/Edit" button to bring up the packaging GUI.

Make Device ? ✕

Packagings

There are no PCB packagings defined for this device. Use the Add/Edit button to assign one or more packagings to the device. You can then select the appropriate packaging by editing the placed

The device has no packagings to preview.

Add/Edit

Help   <Back   Next>   OK   Cancel

Hit the "Add" button to bring up the Ares device library browser.

Package Device

Packagings: [▼]

☐ Default package?   [Add] [Rename] [Delete] [Order]

[? □ ×]

No. Of Gates: [1]   ☐ Gates (elements) can be swapped on the PCB layout?

Pin	Hidden	Common	Type	A	
1			Passive		
2			Passive		
3			Passive		
4			Passive		
5			Passive		
6			Passive		
7			Passive		
8			Passive		
9			Passive		
10			Passive		
11			Passive		
12			Passive		

or more
ed

No packages available for preview.

NC Pins: [   ]   [Add Pin] [Remove Pin]

Swapable Pins:

[   ]   [Add]
                          [Remove]
                          [Replace]

w.
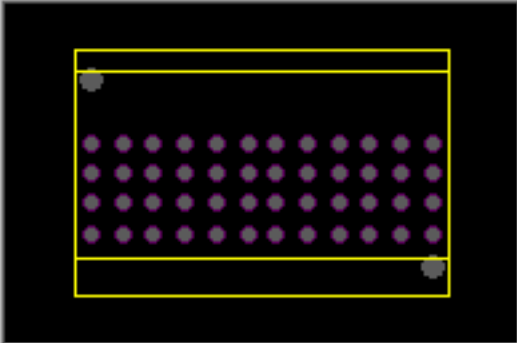
[Cancel]

☑ Use ARES Libraries   [Help] [Assign Package(s)] [Cancel]

Select the device that goes with the symbol.

The "No Of Gates" defaults to "1", enter the number of devices that comprise your completed symbol. When you hit 4+Enter, the table columns will expand from "A" to "A","B","C" and "D".

Package Device

Packagings: IH134

☑ Default package?   [Add] [Rename] [Delete] [Order]

No. Of Gates: 4   ☐ Gates (elements) can be swapped on the PCB layout?

Pin	Hidden	Common	Type	A	B	C	D	
1			Passive					
2			Passive					
3			Passive					
4			Passive					
5			Passive					
6			Passive					
7			Passive					
8			Passive					
9			Passive					
10			Passive					
11			Passive					
12			Passive					

NC Pins: [   ]   [Add Pin] [Remove Pin]

Swapable Pins:

[   ] [Add]
[   ] [Remove]
[   ] [Replace]

☑ Use ARES Libraries   [Help] [Assign Package(s)] [Cancel]

Enter the actual pin numbers for each element in the table.

When all the pin numbers are assigned, hit the "Assign package" button and proceed as with any other symbol.