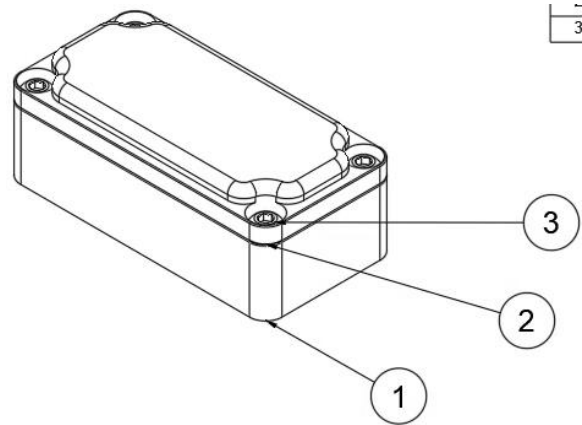


Lesson: Drawings for Assemblies

In this lesson, you'll create a drawing sheet for an assembly, then add a parts list and customize it.

Learning Objectives

- Demonstrate how to create a parts list.
- Modify component properties.

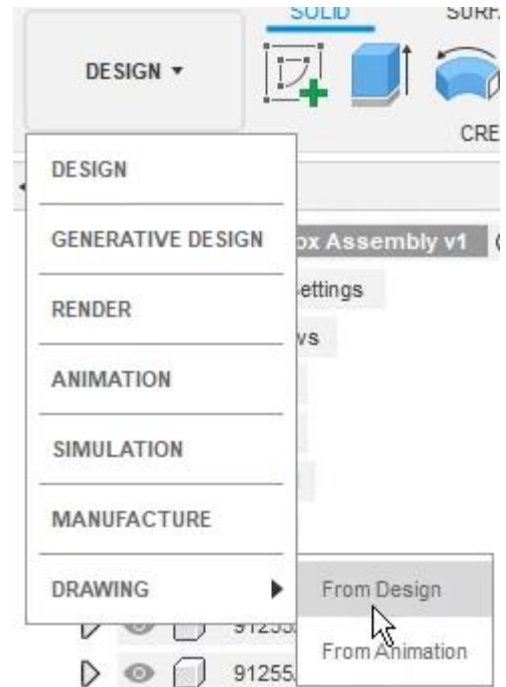


The completed exercise

1. Continue with the *Simple Box Assembly Drawing* file from the previous module. Also make sure the *Simple Box Assembly* file is open.



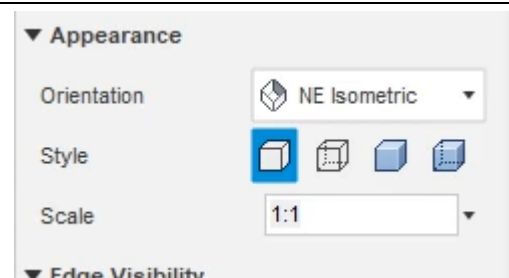
2. In a *Simple Box Assembly* tab, use Change Workspace to choose Drawing> From Design.



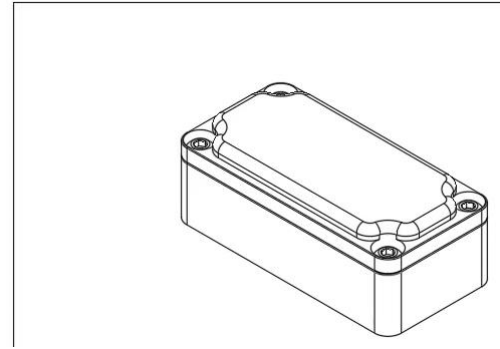
3. To add the new drawing to the existing drawing, choose the Simple Box Assembly Drawing option from the dialog's Drawing menu. Click OK to add the current model to a new sheet in the drawing.



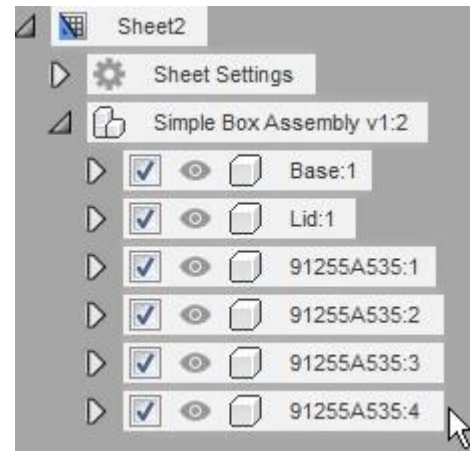
4. Before placing the view on the sheet, choose the NE Isometric option from the dialog's Orientation menu, then choose the 1:1 option from the Scale menu. Choose the Full Length option in the Tangent Edges section, then activate the Interference Edges option.



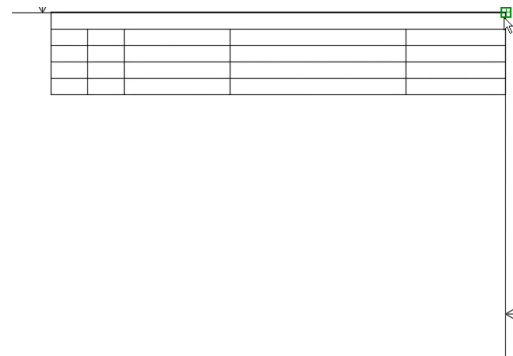
5. Place the model in the sheet's upper left corner, then click OK.



6. Fusion 360 can automatically create a parts list for a drawing. Notice in the Browser that the current drawing has a Base component, Lid component, and four instances of a fastener component.



7. Click Tables> Table, then choose to anchor the table to the sheet's upper right corner.



8. After the table is placed, each component is represented as a separate line item. Notice that the items of description and the material for every component are steel. These properties can be modified.

			PARTS
ITEM	QTY	PART NUMBER	
1	1	BASE	
2	1	LID	
3	4	91255A535	

9. Return to the Simple Box Assembly tab. In the Browser, select one of the fastener components, right-click it, then choose Properties from the menu. Enter Hardware into the dialog's Description field, then click OK. Save the file.

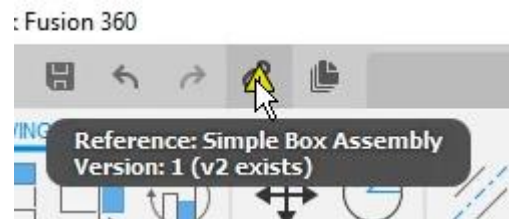
PROPERTIES

Part Number	91255A535
Part Name	91255A535
Description	Hardware

10. Return to the Simple Box Assembly Drawing tab and notice the warning in the screen's lower right corner.



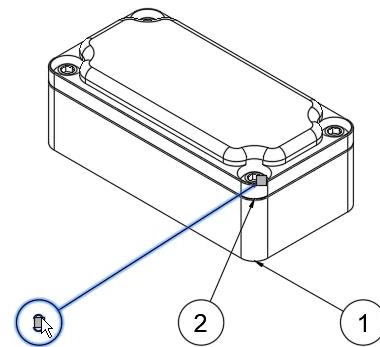
11. To remove the warning, click the caution icon in the screen's upper left corner. This will update the drawing to include the information that was just saved in the other tab.



12. The parts list now displays the custom description that you entered in Step 9.

PARTS LIST	
DESCRIPTION	MATERIAL
	STEEL
	STEEL
HARDWARE	STEEL

13. The drawing view has balloons identifying each part, but these balloons could be better organized. Select the balloon you want to move, then click the gray box and move the balloon to the new position.



14. Organize a point so that they are easier to read.
Save the file and continue to the next module.

