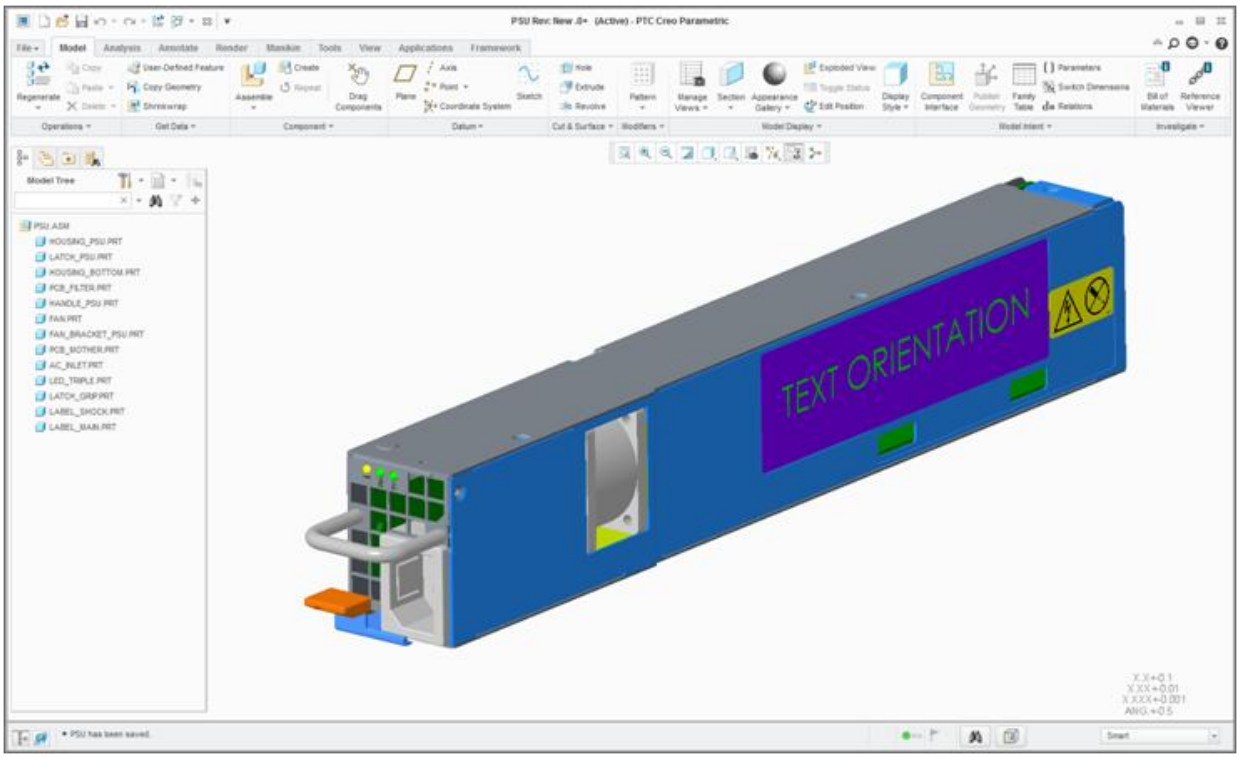
Renaming Creo Files with Suffixes

There are situations when a set of models needs to be renamed with a common base part number and incremental dash numbers. The technique documented below will speed up the renaming of these files especially if there are a large number of files to be renamed.

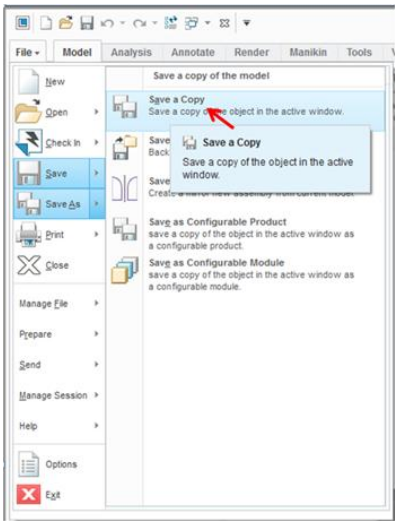
In this example, I have an assembly model of a simplified power supply. This assembly contains thirteen unique parts that we need to rename to share a common base part number and sequential dash numbers. The existing 3-d model and model tree are shown below.

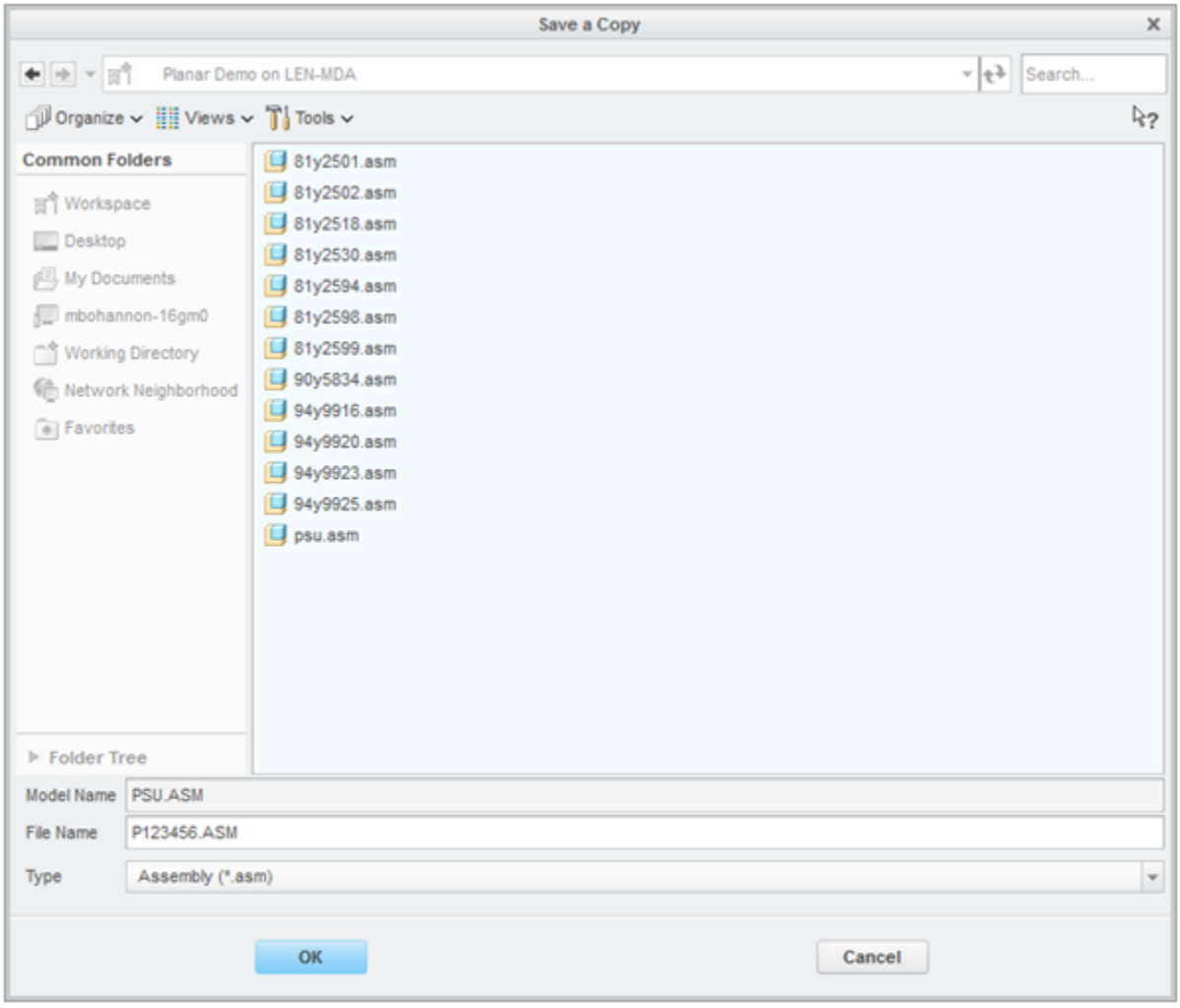


The steps below can be used to rename the model.

1. Open the assembly model in Creo Parametric.

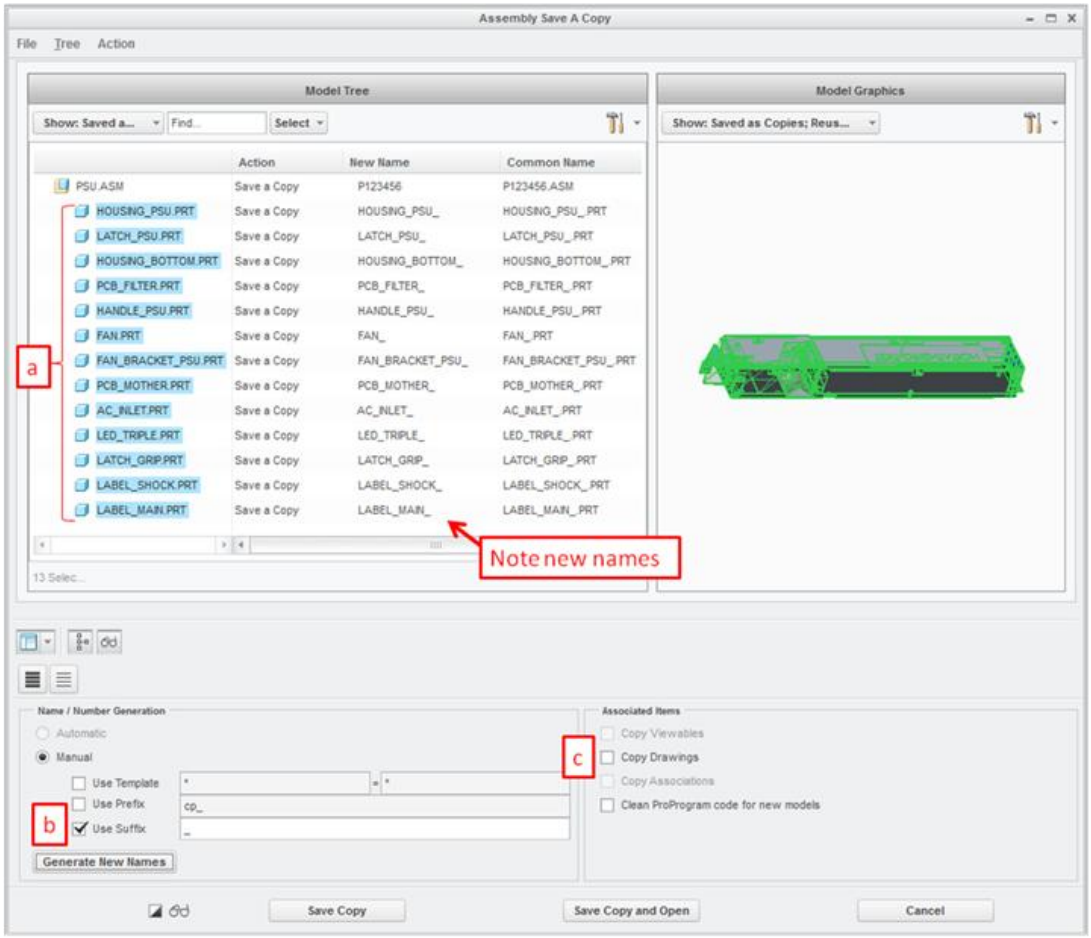
1. Select **File > Save As > Save a Copy** and type in the new name in the dialog box. In this example we will use “P123456.ASM” for the new name. Click **OK** button after entering the new name.


File
Model
Analysis
Annotate
Render
Manikin
Tools
New
Open
Check In
Save
Save As
Print
Close
Manage File
Prepare
Send
Manage Session
Help
Options
Exit
Save a copy of the model
Save a Copy
Save a copy of the object in the active window.
Save a Copy
Save a copy of the object in the active window.
Save as Configurable Product
save a copy of the object in the active window as a configurable product.
Save as Configurable Module
save a copy of the object in the active window as a configurable module.

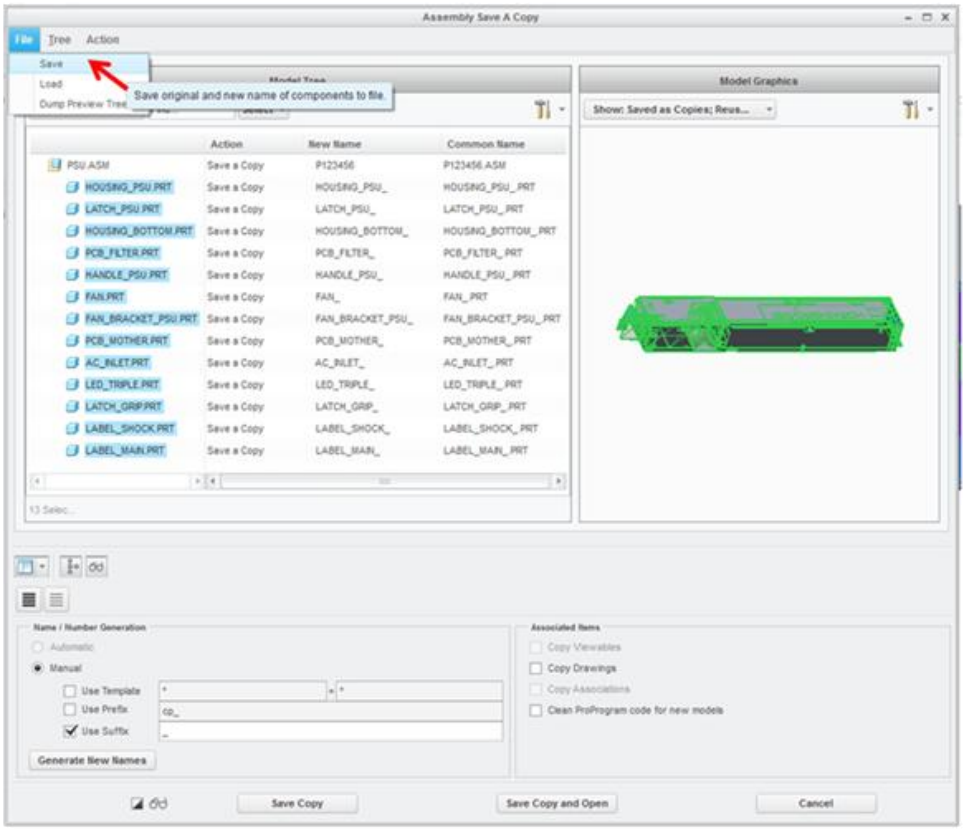

Save a Copy
Planar Demo on LEN-MDA
Search...
Organize
Views
Tools
Common Folders
Workspace
Desktop
My Documents
mbohannon-16gm0
Working Directory
Network Neighborhood
Favorites
81y2501.asm
81y2502.asm
81y2518.asm
81y2530.asm
81y2594.asm
81y2598.asm
81y2599.asm
90y5834.asm
94y9916.asm
94y9920.asm
94y9923.asm
94y9925.asm
psu.asm
Folder Tree
Model Name
PSU.ASM
File Name
P123456.ASM
Type
Assembly (*.asm)
OK
Cancel

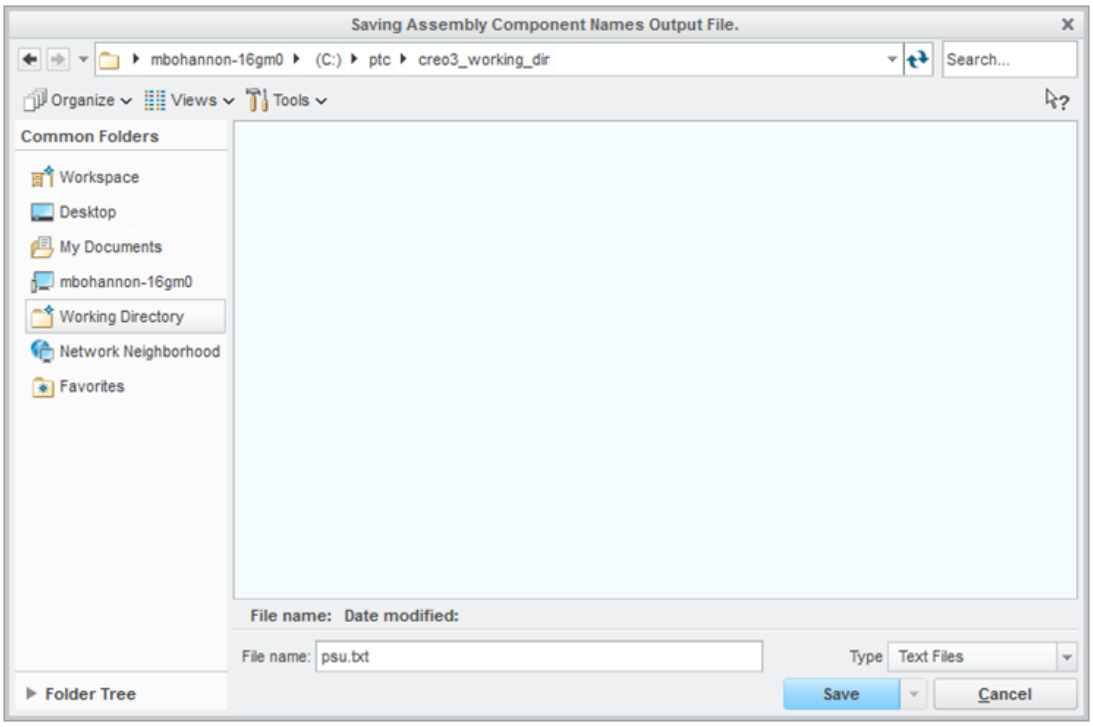
1. The next step is to temporarily append the file name for each object in the list that we would like to rename. This will allow us to export the file list for manipulation in Excel.
    a. Select files to be renamed in list with the default suffix of "_".
    b. Click **Generate New Names** button.
    c. Select or Deselect **Copy Drawings** as required.

    This is what the "Assembly Save A Copy" dialog will look like after completing these steps.

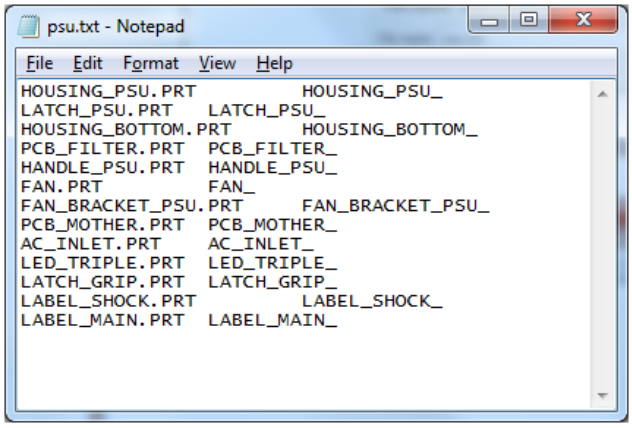


2. The next step is to export the list of old names and new names to a text file. Select **File > Save** to save the text file. Change the directory to your working directory and click **Save** button.

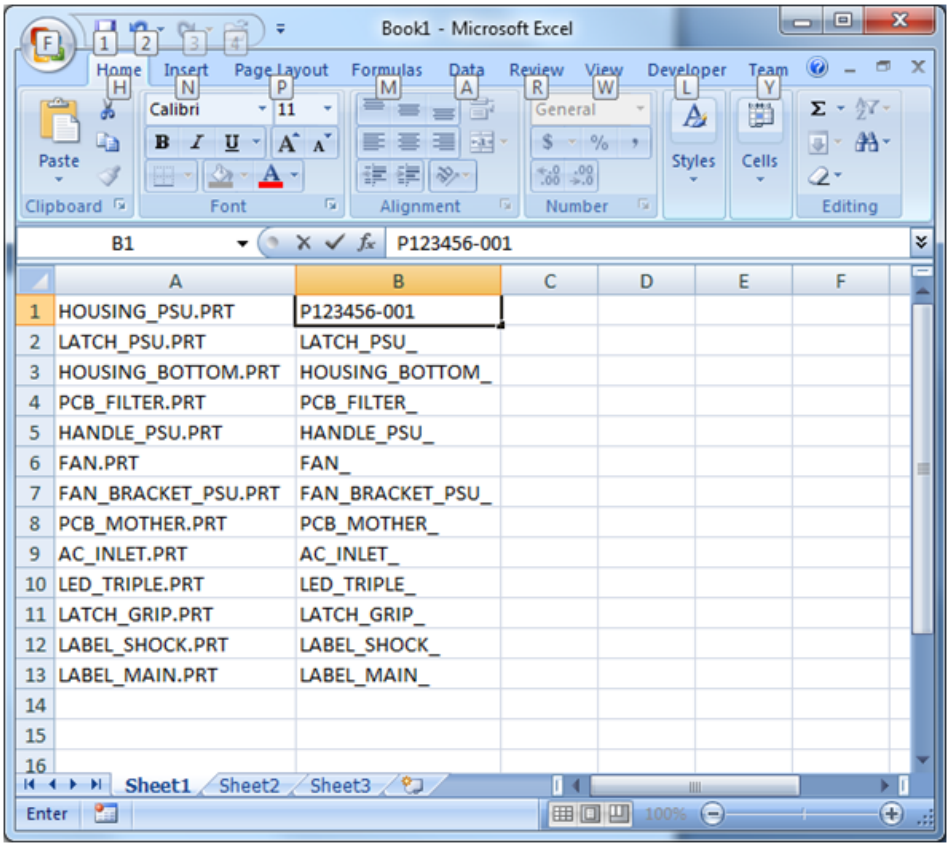

Assembly Save A Copy
File
Tree
Action
Save
Load
Dump Preview Tree
Save original and new name of components to file.
Model Graphics
Show: Saved as Copies; Reus...
Action
New Name
Common Name
PSU.ASM
Save a Copy
P123456
P123456.ASM
HOUSING_PSU.PRT
HOUSING_PSU_
HOUSING_PSU_.PRT
LATCH_PSU.PRT
LATCH_PSU_
LATCH_PSU_.PRT
HOUSING_BOTTOM.PRT
HOUSING_BOTTOM_
HOUSING_BOTTOM_.PRT
PCB_FILTER.PRT
PCB_FILTER_
PCB_FILTER_.PRT
HANDLE_PSU.PRT
HANDLE_PSU_
HANDLE_PSU_.PRT
FAN.PRT
FAN_
FAN_.PRT
FAN_BRACKET_PSU.PRT
FAN_BRACKET_PSU_
FAN_BRACKET_PSU_.PRT
PCB_MOTHER.PRT
PCB_MOTHER_
PCB_MOTHER_.PRT
AC_INLET.PRT
AC_INLET_
AC_INLET_.PRT
LED_TRIPLE.PRT
LED_TRIPLE_
LED_TRIPLE_.PRT
LATCH_GRIP.PRT
LATCH_GRIP_
LATCH_GRIP_.PRT
LABEL_SHOCK.PRT
LABEL_SHOCK_
LABEL_SHOCK_.PRT
LABEL_MAIN.PRT
LABEL_MAIN_
LABEL_MAIN_.PRT
Name / Number Generation
Automatic
Manual
Use Template
Use Prefix
cp_
Use Suffix
_
Generate New Names
Associated Items
Copy Viewables
Copy Drawings
Copy Associations
Clean ProProgram code for new models
Save Copy
Save Copy and Open
Cancel


Saving Assembly Component Names Output File.
mbohannon-16gm0
(C:)
ptc
creo3_working_dir
Search...
Organize
Views
Tools
Common Folders
Workspace
Desktop
My Documents
mbohannon-16gm0
Working Directory
Network Neighborhood
Favorites
Folder Tree
File name: Date modified:
File name: psu.txt
Type Text Files
Save
Cancel

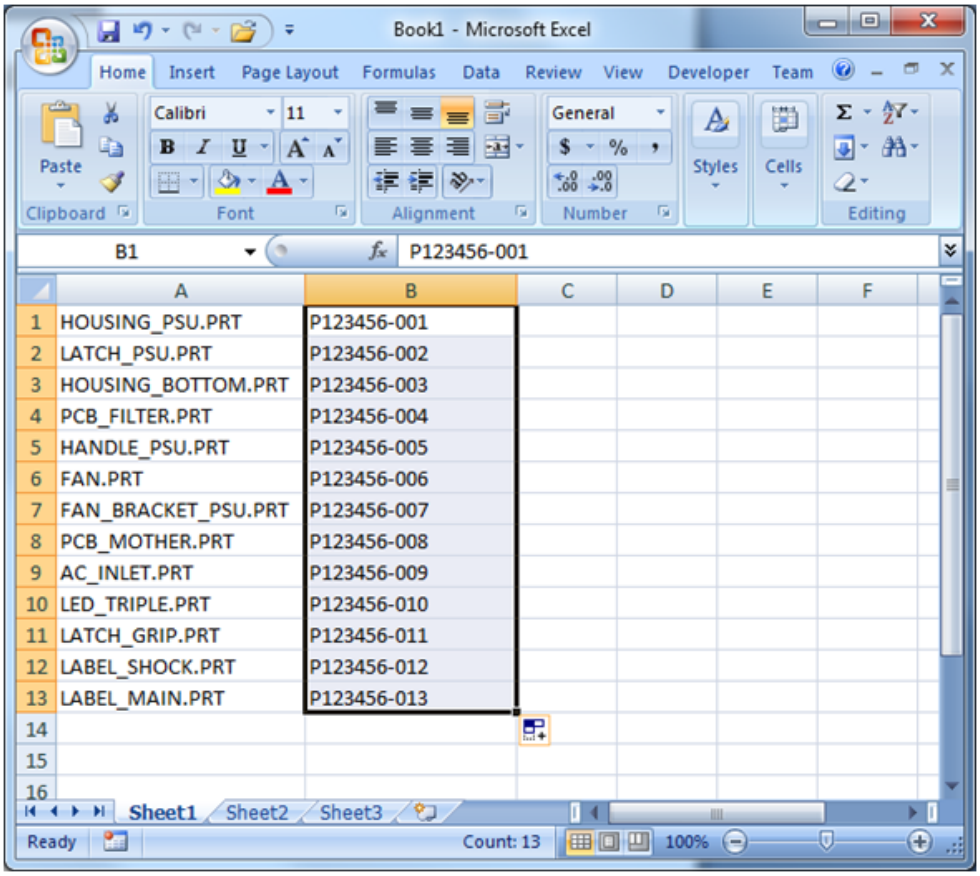
1. **Open** the text file and **copy** the contents to cell A1 in an Excel worksheet.



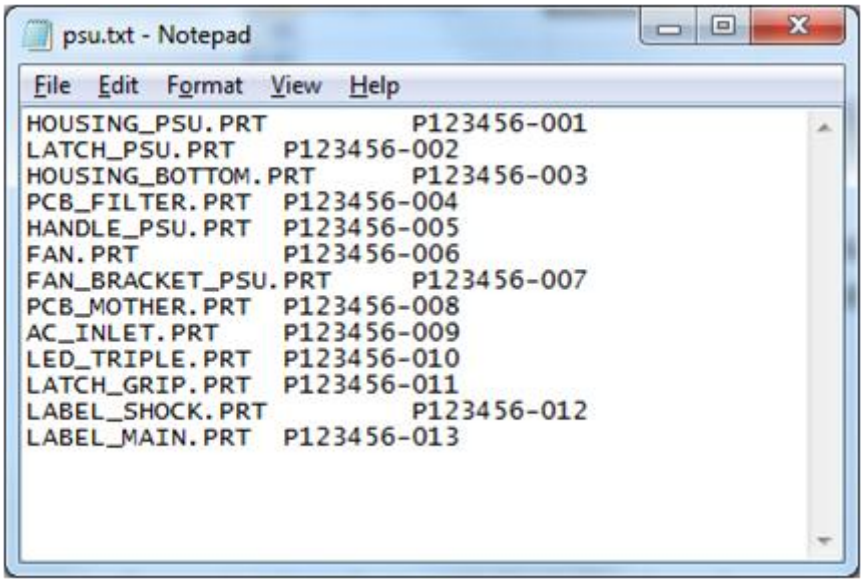
1. **Type** the new name in cell B2 (e.g. P123456-001).



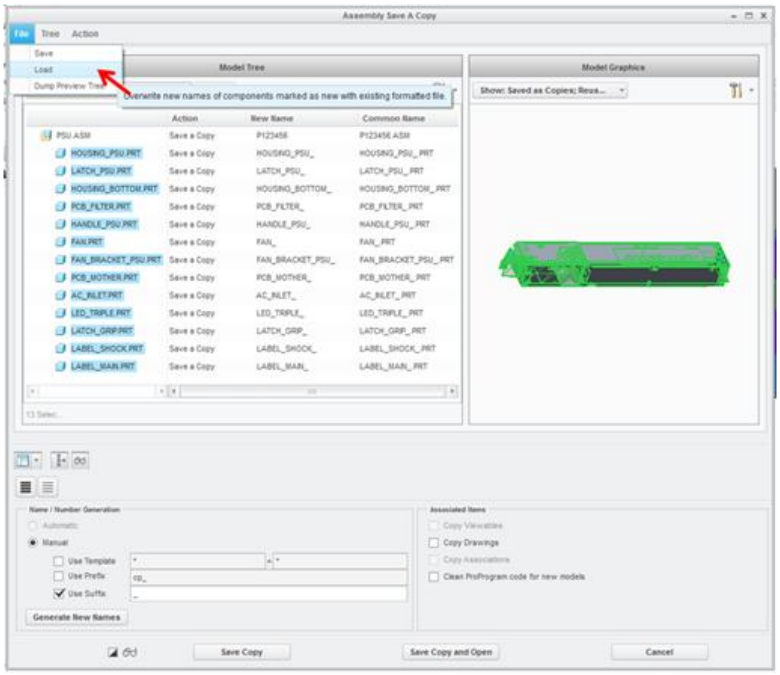
1. **Drag** the square in the bottom right corner of the cell down to increment the dash number for all rows.

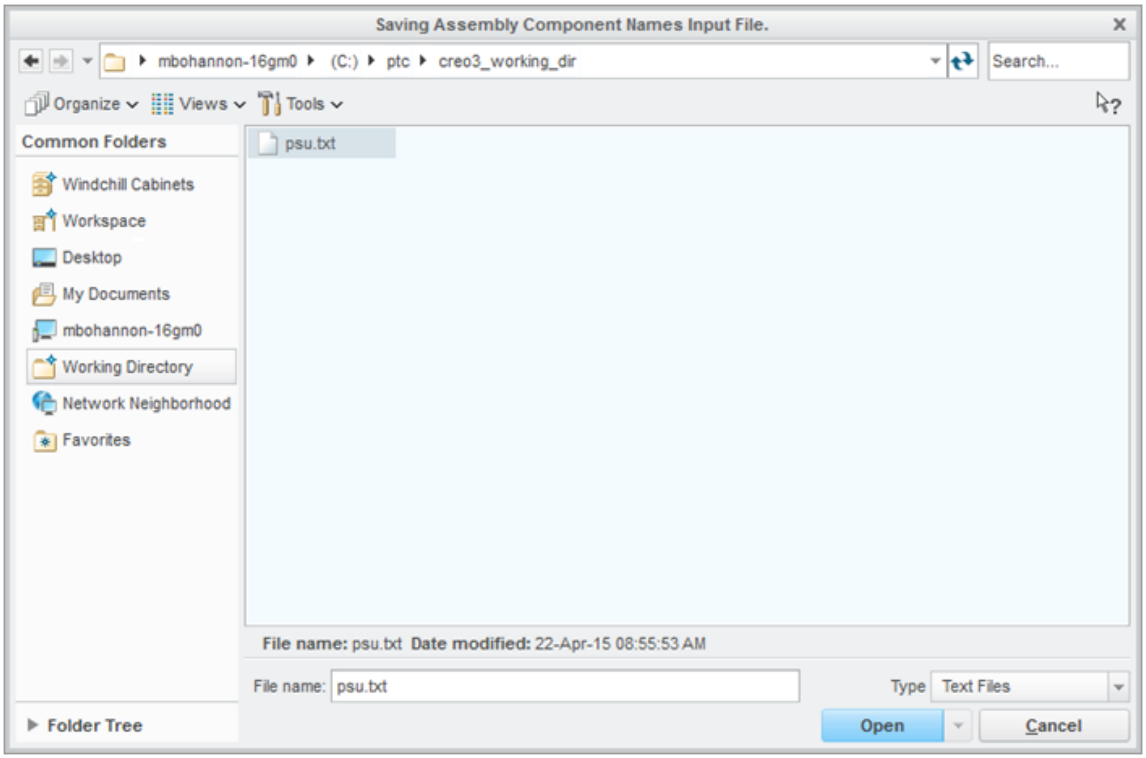


1. **Copy** both columns in worksheet back to the text file and **save** the text file. (This file can be used in the future if model updates are received from your supplier to map the supplier file names to the new file names.)

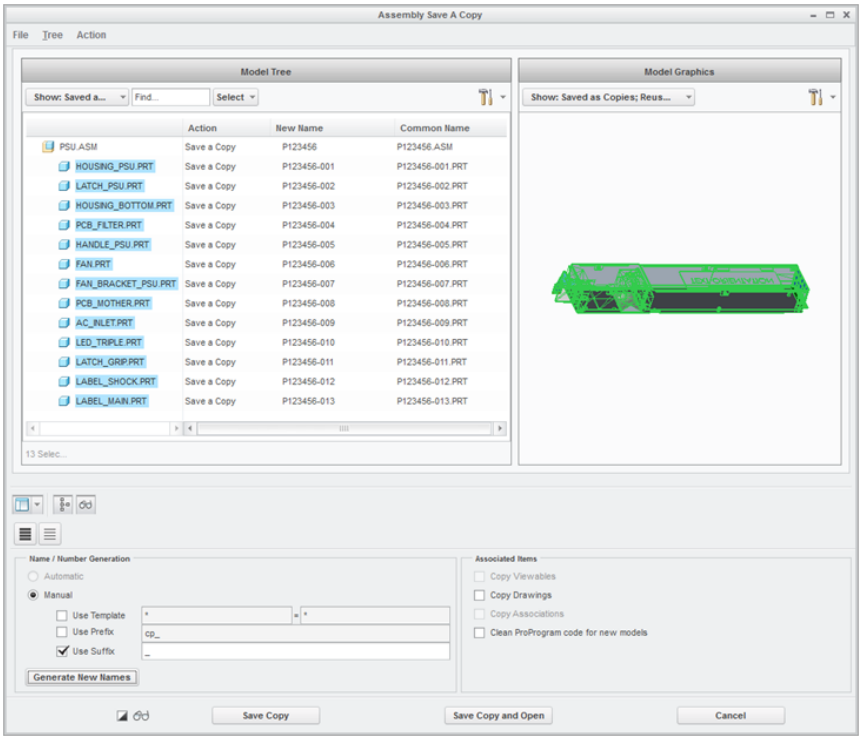


1. The next step is to load the file names back into the dialog box. Select **File > Load** and navigate to the working directory. Click **Open** button.

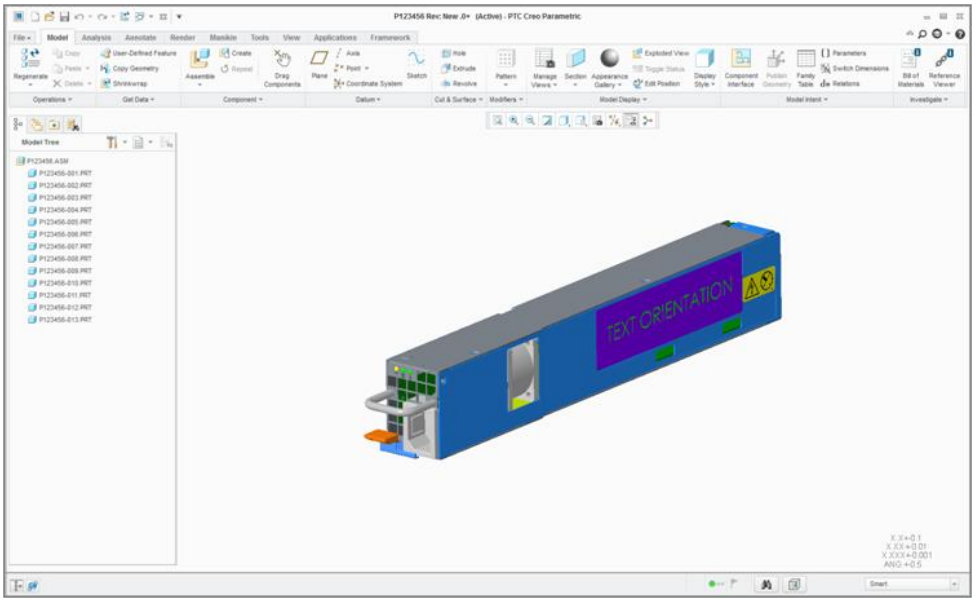




1. After the file is loaded, the dialog should like this.



1. Click the **Save Copy** or **Save Copy and Open** button to finish.



You now have a copy of the original files using the new name base file name with suffixes.