

Proposed



TIP

**Multiple Configuration
Assembly Drawings
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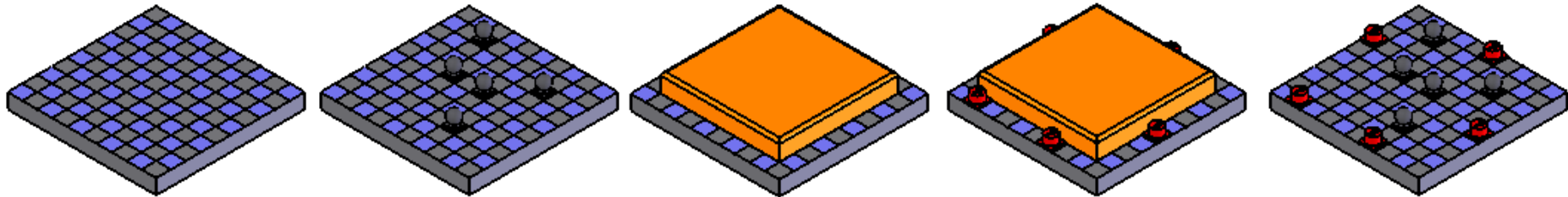
Assemblies With Configurations?

- We see piece parts with configurations all the time.
 - Sometimes these are individually created or perhaps many are created through a design table.
 - Regardless, they are a great tool!
- Users don't always think about creating assembly configurations but they can.



- Now that you have an assembly with configurations how do I create a BOM?

Blackbox Example



ITEM	PART NUMBER	Blank/QTY	Atoms/QTY	Covered/QTY	Covered Guesses/QTY	Exposed/QTY
1	Board	1	1	1	1	1
2	Atom	-	5	5	5	5
3	Board Cover	-	-	1	1	-
4	Guess	-	-	-	5	5

- The game “Blackbox” is modeled in SolidWorks.
 - Each stage of the game is an assembly configuration.
- Take the board out, player 2 puts on the pieces and covers the board, player 1 make some guesses and then player 2 reveals the answers.



How Did He Do That?

- ❶ Create an assembly with configurations.
- ❷ Create a drawing of the assembly.
- ❸ Create a SolidWorks BOM for the assembly.
- ❹ Select “Top Level Only”.
- ❺ Select any or all the configuration you wish to have in your BOM.



- What's the catch(es)?

Couldn't make multiple assembly configuration BOMs when . . .

- Using Excel BOM.
 - Works only with SolidWorks BOMs.
- Selecting parts only or indented assemblies.
 - Must pick top parts only!
- Hiding components in configurations
 - You must **SUPPRESS** them to remove them from BOM.



- That wasn't so bad...

One Other Tiny Item

- For most single configuration assembly drawing BOMs we never need a quantity of zero.
- For multiple configuration BOMs you often have quantities of zero so there is setting for zero part quantities:

- Dash
- Zero
- Blank





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