製品マニュアル
Modified by Rob Evans on Apr 4, 2018

Parent page: Bill Of Materials

Draftsman object properties are definable options that specify the visual style, content and behavior of the placed object. The property settings for each type of object are defined in two different ways:

- **Pre-placement settings** – most Bill Of Materials object properties, or those that can logically be pre-defined, are available as editable default settings on the Draftsman – Defaults page of the Preferences dialog (access from the ⚙ button at the top-right of the workspace). Select the object in the **Primitive List** to reveal its options on the right.
- **Post-placement settings** – all Bill Of Materials object properties are available for editing in the Properties panel when a placed Bill Of Materials is selected in the workspace.

Preferences

- ▶ System
- ▶ Data Management
- ▶ Schematic
- ▶ PCB Editor
- ▶ Text Editors
- ▶ Scripting System
- ▶ CAM Editor
- ▶ Simulation
- ◢ Draftsman
  - Defaults
  - Templates
- ▶ Multi-board Schematic
- ▶ Multi-board Assembly

Draftsman – Defaults

Default Primitives

○ Mils ● MMs

Primitives

All ▾

Primitive List

Angular
Arc
Assembly View
Bill Of Materials
Callout
Circle
Component View
Datum Feature Sign
Detail View
Drill Drawing View
Drill Table
Fabrication View
Feature Control Frame
Graphic
Isometric View
Layer Stack Legend
Line
Linear
Note
Ordinate
Radial
Rectangle
Region
Section View
Surface Finish Sign
Table
Text

General

◢ **Title**

Title	Bill Of Materials 👁
Location	Left-Above ▾
	☑ Use Document Font
Font	Arial ▾ 14 ▾ ■
	B *I* U̲ S̶ N

◢ **Properties**

Table Line Style	────────
	Normal ▾ Solid ▾ ■
Even Row Color	■
Non-Even Row Color	■
	☐ Use Document Font
Font	Arial ▾ 12 ▾ ■
	B *I* U̲ S̶ N
	☐ Table Header Bottom
Data Source	Project ▾
Assembly View	All ▾
View Mode	Base ▾
Variant	Document : [All Variants] ▾
	☐ Show Not Fitted

◢ **Pages**

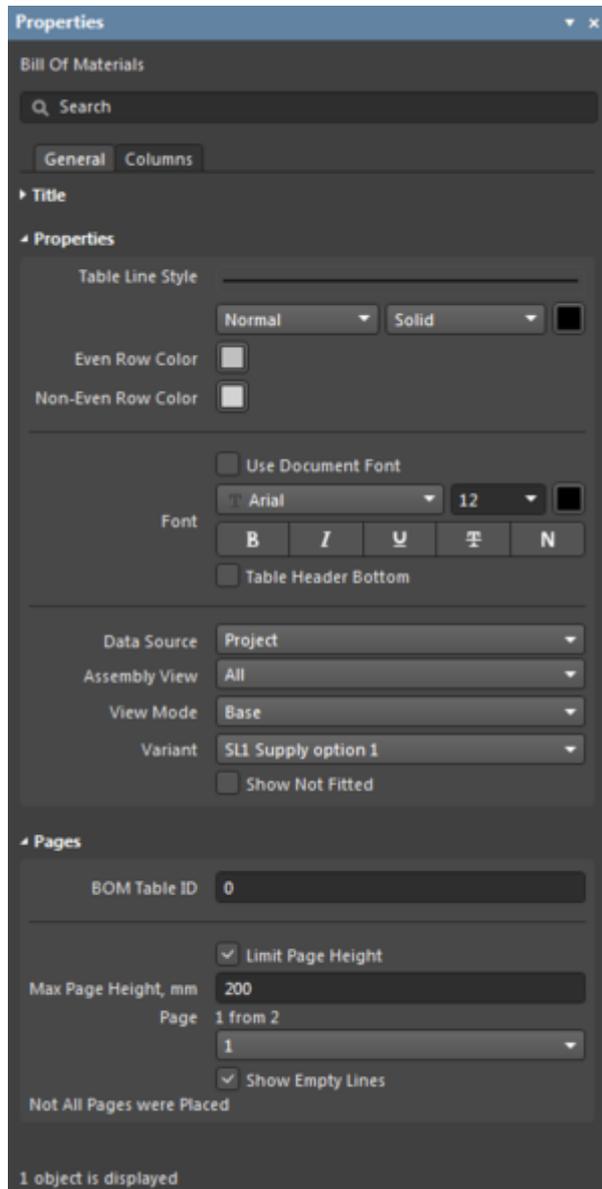|	
BOM Table ID	0
	☐ Limit Page Height
Max Page Height, mm	200
Page	1 from 1
	1 ▾
	☑ Show Empty Lines

Set To Defaults ▾ Save... ▾ Load... ▾ Import From... ▾ OK Cancel Apply

The **Bill Of Materials** default settings in the *Preferences* dialog and the **Bill Of Material**s mode of the *Properties* panel

> In the below properties listing, options that are not available as default settings in the *Preferences* dialog are noted as 'Properties panel only'.

General Tab

Title

- **Title** – the title name string that will be displayed (if enabled) with the Bill Of Materials table. Use the associated 👁 button to toggle its visibility. Enter the title name and any desired system/custom parameters to create a meaningful name for the placed view. See the **Parameters** section in the panel's **Document Options** mode for a list of the currently available parameters.
- **Location** – select the drop-down to choose from a range of relative locations for the title. The **Manual** option is automatically selected if the title is manually moved (dragged and dropped to a new location).
- **Font** – sets the displayed font used for the table's title string.
    - **Use Document Font** checkbox selected – the title font used is that defined by the document options. See the **Document Font** entry in **General** section of the *Properties* panel when in **Document Options** mode.

- ○ **Use Document Font** not selected – use the drop-down menus to choose the desired font type and size, and select the lower buttons to enable text attributes. The associated color button (■) opens the color selector where the font color can be specified by RGB or HEX value, by freeform selection, or from a range of presets. Note that the slider control sets the color Opacity level, where 0% represents full transparency.

Properties

- **Table Line Style** – the thickness, color and pattern style of the lines used to render the BOM table. Use the line weight drop-down menu to choose from a range of line thickness presets and the line pattern menu to choose from a range of line styles. The associated color button (■) opens the line color selector, as outlined for the **Font** property above.
- **Even Row Color** – select the contrasting color for even rows in the BOM table.
- **Non-Even Row Color** – select the contrasting color for odd rows in the BOM table.
- **Font** – sets the font used for the table data content.
  - ○ **Use Document Font** checkbox selected – the font used is that defined by the document options. See the **Document Font** entry in **General** section of the *Properties* panel when in **Document Options** mode.
  - ○ **Use Document Font** not selected – use the drop-down menus to choose the desired font type and size and select the lower buttons enable text attributes. The associated color button (■) opens the color selector, as outlined above.
  - ○ **Table Header Bottom** – check to position the column header row at the bottom of the table and reverse item listing order.
- **Data Source**
  - ○ **Project** – all BOM related data from the PCB project files are used to populate the Draftsman BOM Table, e.g., PCB project components that do not have a symbol or footprint are included.

  > ✅ When the **Data Source** is set to **Project**, the BOM Table will be populated by data from an **ActiveBOM** document in the PCB Project, if one is available. Use Draftsman's **Tools » Update Board** command to pick up live changes in an ActiveBOM document.
  > See [BOM Management with ActiveBOM](#) for more information on creating and configuring an ActiveBOM document.

  - ○ **Board** – entries in the Draftsman BOM Table are constrained to component items that are present on the physical project PCB.
- **Assembly View** – use the drop-down menu options to filter the listed BOM entries to the items shown in a specified Board Assembly View. The options include any placed Assembly Views, or simply All items in the PCB design.
- **View Mode**
  - ○ **Base** – a table row is assigned to each unique component type and lists all included items in the **Designator** column. If a **Variant** has been selected, only its items will be listed.
  - ○ **Flat** – a table row is assigned to each component item. If a **Variant** has been selected, only its items will be listed.
  - ○ **Consolidated** – if the source project includes Variants, the BOM Table will include component entries from all design variations. Selecting this option will automatically set the **Variant** option to **All**.
- **Variant** – use the drop-down menu to select a PCB design [Variation](#), if available, as a data source for the BOM table. The **Document:xx** option is a Variant specified for the document under **Document Options** in the [Properties](#) panel (**Source** section).
  The placed BOM table will appropriately reflect assembly items that are not included or
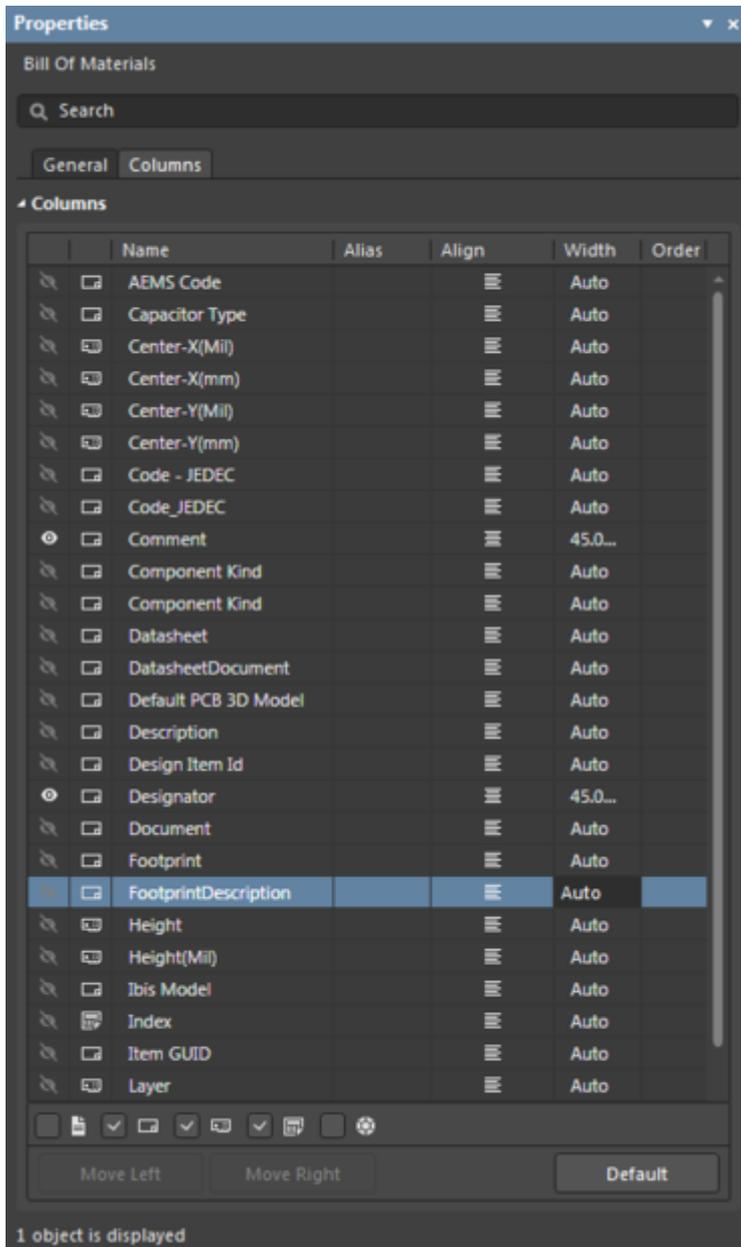
have varied parameters. When a Variant is selected, check the **Show Not Fitted** option to to include component entries in the list that are not fitted to that Variant – their Quantity entry will be zero, and if the **Fitted** column is included in the Table, the entries will show as **Not Fitted** (**Base** and **Flat** View Modes).

Pages

Use this section to configure [Split BOM Tables](). Applies to the *Properties* panel only.

- **BOM Table ID** – a numeric identifier for a BOM table instance. The complete table may be split over several BOM table objects (pages) and the ID remains in common.
- **Limit Page Height** – when checked, the BOM table is divided into a sequence of virtual pages each with the height specified in the **Max Page Height** property.
- **Max Page Height** – sets the height, and therefore, the included number of rows, in each page of the table. Only one page is included in a placed BOM table object (see **Page** below), and additional BOM table objects are placed to cover all pages.
- **Page** – indicates the table page number (**1 from 2**, **3 from 5** etc.,) that is shown in the selected BOM table object. Use the associated drop-down menu to specify the desired page for the currently selected BOM table object.
- **Show Empty Lines** – when checked, blank rows in the BOM table are shown. These are typically on the last page of a BOM table where the specified page height has exceeded the number of available BOM data rows.

Columns Tab (*Properties* panel only)

Columns

A tabular list of the columns and data shown in the BOM table. The entries may be edited to specify the BOM table's included (visible) columns and their text alignment (**Align**), width (**Width**) and displayed list sort order/priority (**Order**). Enter an alternative name for a BOM Table header in its corresponding **Alias** entry.

- **Column Type** filter checkboxes – check the Schematic (⊡), PCB (⊡), Server (⚙) and BOM (⊞) options to populate the available columns list with matching parameter data types. Deselect all types to list only those columns that are visible (◉) in the BOM Table. See [ActiveBOM](#) for more information about parameter data sources.
- **Move Left / Right** buttons – click to move the selected entry up or down by one count, and therefore, to the left or right in the BOM table column order. Available for columns set to visible.
- **Default** button – click to restore the table columns to the default entries (as defined by the BOM table object *Preferences*).

Source URL:

https://www.altium.com/documentation/jp/display/ADES/Draftsman_Prop-BillofMaterials((Bill+of+Materials+Prop
erties))_AD