



## Distribution BOMs and Assemblies

Megan De Freitas - 2025-06-12 - Distribution BOMS/Assemblies

### Overview

Bill of Materials (BOM) functionality in SalesPad allows you to create a list of parts or components that go together to create a finished good. Assembly functionality allows you to create an assembly transaction from a BOM. Bills of Materials are built and then used to create Assemblies.

This document covers the search and creation screens for BOMs and Assemblies.

### Security

To create and access BOMs, you must enable the following security settings in the Security Editor:

- *BOM Components* – Enables the BOM Components plugin on a Sales Document. BOM Components show the individual items that make up a BOM. To automatically run the BOM Components plugin when adding a BOM item to a Sales Document, set the *Auto Run* sub-setting to True.
- *BOM Entry* – Enables the Bill of Materials Entry screen, where you can create new BOMs or edit existing BOMs.
  - Use the sub-settings to enable editing of BOM Entry and to enable C# On Load or Pre Save scripts.
- *BOM Lines* – Enables the Lines tab on the Bill of Materials Entry screen, which gives you the ability to view, add, and edit components of a BOM.
- *BOM Properties* – Enables you to view the properties on the Bill of Materials Entry screen header.
  - Use the sub-settings to enable editing of properties, to set a Default Bill Status, Default BOM Stock Method, and Default Effective Date.
- *BOM Search* – Enables you to search for BOMs.
- *Sales Document Convert to BOM* – Enables the Sales Document Convert to BOM plugin on a Sales Document. Convert to BOM is used to convert the line items of a Sales Document into a single BOM that contains the selected items within it.

To create and access Assemblies, you must enable the following security settings in the Security Editor:

- *Assembly Entry* – Enables the Assembly Entry screen, where you can create new or edit existing Assemblies.

- Use the sub-settings to enable editing of the properties and to enable C# On Load or Pre Save scripts.
- *Assembly Properties* – Enables you to view the properties on the Assembly Entry screen header.
  - Use the sub-settings to enable users to set a Default Warehouse and edit properties.
- *Assembly Search* – Enables the Assembly Search screen, which allows searching for Assemblies.
- *Assembly Allocation* – Enables the Assembly Allocation Plugin for Released Assemblies.
  - Use the sub-settings to enable users to view Cost.
- *Create Assembly* – This Sales Document level plugin will generate an Assembly for each sales line that is a BOM.
  - Use the sub-settings to automatically save the Assembly without opening the Assembly Entry Screen and to copy sales line comments to the corresponding assembly notes field.

The BOM User Fields and Assembly User Fields security settings will enable the User Fields tab on the Bill of Materials Entry screen and Assembly Entry screen, respectively. This is where any BOM and Assembly User Defined Field will be displayed. Refer to SalesPad's [User Defined Fields](#) documentation for information on creating and using User Defined Fields (UDF).

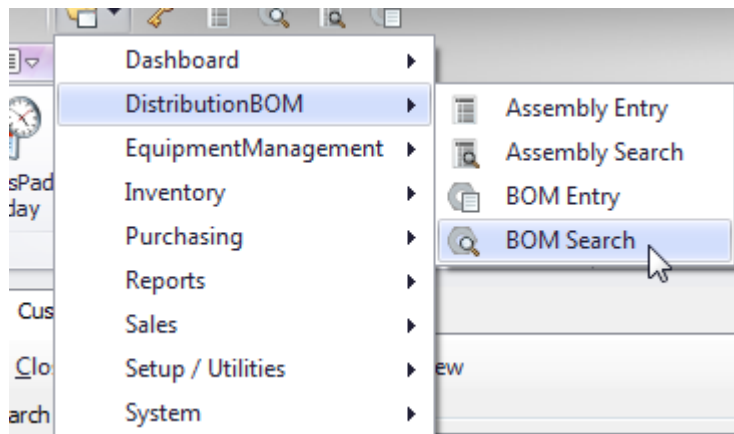
### **Settings**

- *Assembly Batch Number* – Set the default Batch Number for newly created Assemblies.
- *Assembly Sales Document Number UDF* – When generating Assemblies from a Sales Document, this Assembly level UDF will hold the document ID of the Sales Document that generated the Assembly.
- *Assembly Status* – Specify to create new Assemblies with a Released, or Not Released status.
- *Default Over Allocation* – The action to take when over-allocating an Assembly. If Prompt to Over Allocate, the system will allow the user to decide if the Assembly should over-allocate. If Do Not Over Allocate, the system will not allocate the Assembly. If Over Allocate, the system will over-allocate the Assembly.

### **Usage**

#### **Finding and Opening an Existing BOM**

Find and open existing BOMs on the BOM Search tab (Modules > Distribution BOM > BOM Search):



To search for BOMS, enter a full or partial BOM Number. You can narrow the results by selecting checking one or more of the BOM Status options: Active, Pending, or Obsolete. Click **Search**.

Application

SalesPad Today Customer Search Sales Documents Sales Monitor Counter Sales Sales Batch Processing Inventory Lookup Inventory Analysis Inventory Transfers Sales Transfers Vendor Search Purchase Order Search Purchasing Advisor Backordered Items Receiving Quick Reports Sales Analysis

Bill Of Materials Search | Bill Of Materials Entry

Close Search New

Search By

BOM Number: 1

BOM Description:

BOM Status

☒ Active ☐ Obsolete

☐ Pending

Search Results

BOM Number	Status Order	BOM Status	BOM Stock Method
<a href="#">100XLG</a>	1	Active	Build If Necessary
<a href="#">1-MOTHER</a>	1	Active	Build If Necessary
<a href="#">A100</a>	1	Active	Build If Necessary

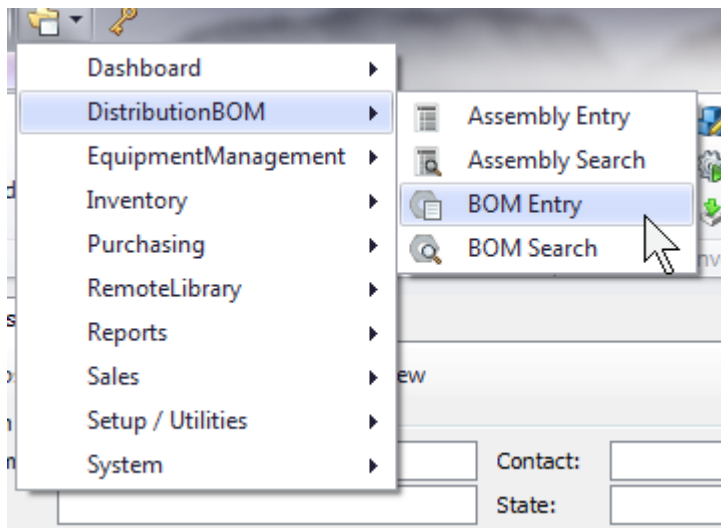
You can further filter results using the Filter line.

To open the desired BOM, click the BOM Number hyperlink or double-click anywhere on the BOM line.

### Creating a New BOM

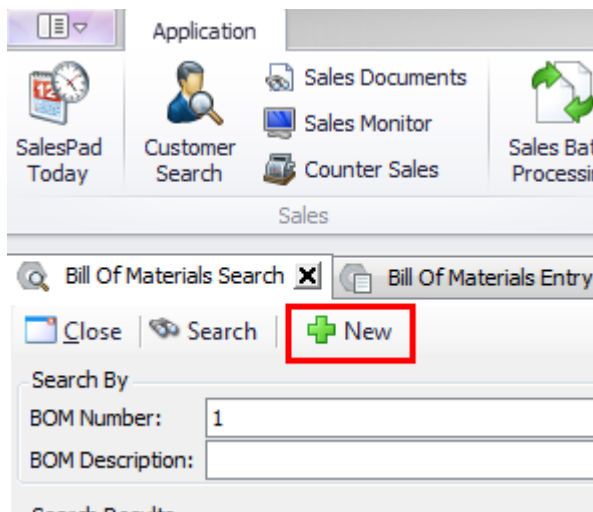
#### From Entry

To create new BOMs on the BOM Entry tab, go to (Modules > DistributionBOM > BOM Entry):



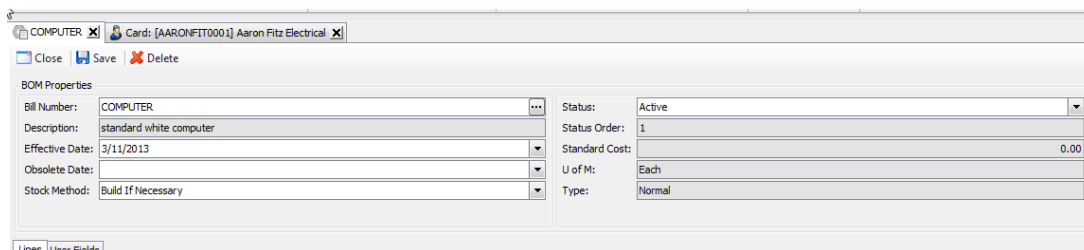
#### From Search

To create a new BOM from the "Bill of Materials Search" screen, click **New**. A new "BOM Entry" screen will open in a new tab:

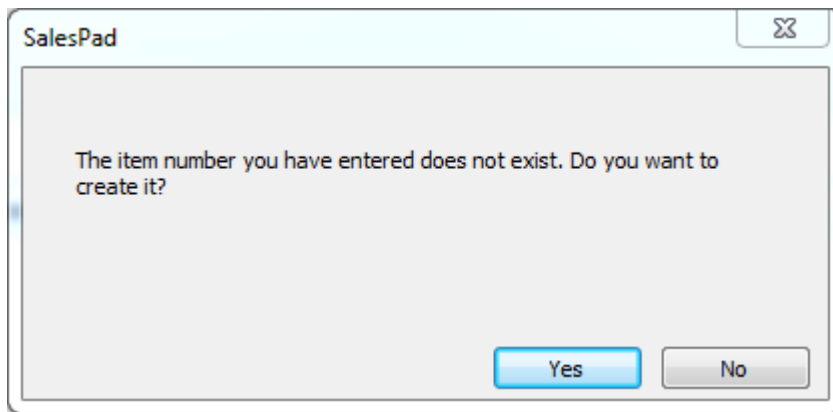


Fill in the following fields: Bill Number, Effective Date, Obsolete Date, Stock Method, and Status.

**Note:** The Description, Standard Cost, and Unit of Measure (U of M) are populated upon creating a new item or selecting an existing item.



**Bill Number** – You can enter any series of capital letters, numbers, and characters in this field. The data in this field will ultimately be considered an item number. Once a Bill Number has been entered, SalesPad will perform a lookup to try and associate it with an existing item. If no item is found, you will be prompted to create an item from this Bill Number.



If you need to create a new item, the “Item Maintenance” screen will appear:

 The "Item Maintenance" screen is a complex form with multiple tabs and sections. The "Item Information" tab is active. 
   
**Properties Section:**

- Item Number: A700
- Copy From Item: A100 (with a dropdown arrow)
- ☐ Copy Item Standard Pricing
- Copying from: A100
- Item Description: [Icon]
- Short Description: Audio
- Generic Description: Audio
- Replaced By: [Empty field]
- Class ID: ATT CORD (dropdown)
- Track: None (dropdown)
- Item Type: Sales Inventory (dropdown)
- Shipping Weight: 0
- U of M Schedule: PHONE 1-10 (dropdown)
- Selling UoM: EACH (dropdown)
- Price Level: EXTPRCLVL (dropdown)
- Standard Cost: 0.00 | Current Cost: 0.00
- List Price: 40.00
- ☐ Item Blocked

**Item User Fields Section:**

- item1 | item2 (tabs)
- Customer Read Only: [Empty field]
- FileAttach ReadOnly: [Empty field]
- Hyper ReadOnly: [Empty field]
- Minimum Qty: 0
- Image ReadOnly: No image data (large empty area)
- Rich Text ReadOnly: [Empty field]
- CustClass ReadOnly: [Empty field]

 At the bottom right, there are "OK" and "Cancel" buttons.

Enter the details of the BOM on this screen, including the Description, Standard Cost, and Unit of Measure (U of M). Set vendors and warehouses on the subsequent tabs and click **OK**.

If you do not create a new item for this Bill Number, the “Sales Inventory Lookup” screen will appear:

**Sales Inventory Lookup**

**Item Search**

Search Criteria  
 Item:    
 Description:  Warehouse:

Search Options  
☒ Match Beginning  
☐ Search Previously Purchased ☒ Search 3rd Party Items  
☐ Search Customer Items ☒ Search Vendor Items

**Inventory Items (14 items found)** 3rd Party Items (0 items found) Customer Items Vendor Items (9 items found)

Item Number	Description	UOM Sched	Avail	Onhand	Item Class	Shipping Weight
<a href="#">1-A3261A</a>	Multi-Core Processor	EACH	-3.00	-2.00	SERVERS-1	0.00
<a href="#">1-A3483A</a>	SIMM EDO 72	EACH	-1.00	0.00	MEMORY-1	0.00
<a href="#">1-CIRCUITBOARD</a>	board	EACH	0.00	0.00	RETAIL	0.00
<a href="#">1-GFXCARD</a>	graphics	EACH	-2.00	0.00	RETAIL	0.00
<a href="#">1-MOTHER</a>	motherboard	EACH	0.00	0.00	RETAIL	0.00
<a href="#">1-POWER</a>	PowerSupply	EACH	0.00	0.00	RETAIL	4.00
<a href="#">1-PROCESSOR</a>	CPU	EACH	-2.00	0.00	RETAIL	0.00
<a href="#">100XLG</a>	Green Phone	PHONE 1-10	1.00	31.00	FINGOODS	5.00
<a href="#">128 SDRAM</a>	128 meg SDRAM	PHONE 1-10	51,658.00	51,658.00	ATT CORD	0.00
<a href="#">1GPROC</a>	1 Ghz Processor	EACH	20.00	20.00	RM-ACT	0.00
<a href="#">3-A2969A</a>	1TB SCSI Raid	EACH	-2.00	-1.00	COMPONENTS	0.00
<a href="#">M1500</a>	15" Monitor	PHONE 1-10	5.00	10.00		20.00
<a href="#">M1700</a>	17" Monitor	PHONE 1-10	10.00	10.00		20.00

Search existing items and select an item to use as the Bill Number.

After creating or selecting an item, all read-only fields will be filled in on the "Bill of Materials Entry" screen.

- **Effective Date** – This is the date the BOM becomes available for manufacturing. This date is included in the “View Indented Bill” window and is especially important if you want to use comparison dates for estimating requirements or for planning.
- **Obsolete Date** – This is the date the BOM will no longer be available for manufacturing the assembly. This date can be overridden by manually setting the Status to “Obsolete.”
- **Stock Method** – Select whether to use existing stock or to build the Assembly. The Stock Method is used to determine the correct default quantities for the Assembly transactions when the Assembly is used as a component to another bill. You can edit the stock and assemble quantities for each subassembly on the transaction:
  - **Build If Necessary** – Items will be allocated from the available quantities in inventory.
  - **Stock** – Always uses the quantity from inventory. On the transaction, only the Stock Quantity is updated and is extended standard quantity.
  - **Build** – Always build the quantity needed. These items are rarely stocked in inventory. On the Assembly transaction, the Assemble Quantity is the extended standard quantity.
- **Status** – If you chose a bill status of Pending or Obsolete, all components are automatically changed to Pending or Obsolete for that BOM. You must have at least one Active component to save a BOM with an Active status. You can edit BOMs with either Pending or Active status; however, only Active BOMs can be used on transactions. You can have only one Active and one Pending status; Obsolete status can be unlimited.

After setting all BOM properties, add Component Items on the Lines tab. Component


Items are the items that make up the BOM. Click the **New** button to add items. A new line will appear in the grid where you can enter an item number or use the ellipsis (...) to search for and select the item.

Component Item Number	Qty Per	Standard Qty	Component Status	Effective Date	Cost Type	Obsolete Date	U of M	Scrap Percentage	BOM Comp Item Description
3-A2440A	1	1	Active	3/12/2013	Per Unit		Each	0.00 %	Operating System
3-A2969A	1	1	Active	3/12/2013	Per Unit		Each	0.00 %	1 TB SCSI Raid
3-A2990A	1	1	Active	3/12/2013	Per Unit		Each	0.00 %	HSC 2 Expansion Slot
3-A3416A	1	1	Active	3/12/2013	Per Unit		Each	0.00 %	Internal CD-ROM Drive
3-B3813A	1	1	Active	3/12/2013	Per Unit		Each	0.00 %	Keyboard
3-B3897A	1	1	Active	3/12/2013	Per Unit		Each	0.00 %	CD-ROM Media
3-C2804A	1	1	Active	3/12/2013	Per Unit		Each	0.00 %	Rackmount Kit
3-C2924A	1	1	Active	3/12/2013	Per Unit		Each	0.00 %	SCSI Cable
3-D2094A	1	1	Active	3/12/2013	Per Unit		Each	0.00 %	Printer
1-MOTHER	1	1	Active	3/12/2013	Per Unit		EACH	0.00 %	motherboard
1-CIRCUITBOARD	1	1	Active	3/12/2013	Per Unit		EACH	0.00 %	board
128 SDRAM	1	1	Active	3/12/2013	Per Unit		EACH	0.00 %	128 meg SDRAM
1-PROCESSOR	1	1	Active	3/12/2013	Per Unit		EACH	0.00 %	CPU

To delete an item, highlight the line and click **Delete**.

As needed, update the Qty Per field with the quantity of each line needed for the BOM. Click **Save** to save the completed BOM.

**From an Existing Sales Document**

To create a new BOM from an existing Sales Document, open the Sales Document ([Sales Document Entry](#)) and select Sales Document Convert to BOM from the Actions () dropdown:

Salespad Today Customer Search Counter Sales Batch Inventory Sales Batch Vendor Search Backordered Items Purchasing

COMPUTER x Card: [AARONFIT0001]

Close Save Print

Document Properties

Document #: Customer #: AARONFIT0001 Cust PO: Req Ship: 3/11/2013 Ship Method: LOCAL DELIVERY Whse: WAREHOUSE Currency: Z-US\$

Line Items Notes Addresses Hold

New Delete Insert

Cost	Line Num
50.00	16,384.00
0.00	32,768.00
152.10	49,152.00
0.00	65,536.00
25.00	81,920.00
100.00	98,304.00
890.00	114,688.00
7,250.00	131,072.00
850.00	147,456.00
850.00	163,840.00

Configure Actions...  
Sales Document Convert To BOM  
Invoicing  
Sales Document Split  
Smart Printing  
Sales Line Excel Import  
Fulfillment  
Tasks  
Shipping Weight: 4.5  
Related Purchases  
Sales Document Recurring Definition  
Profitability  
Sales Document Manual Split  
Liaison Messenger  
Sales Document Create Assembly  
Back  
Run Script  
RB Not loaded(New)  
RB(NEW) Fulfillment Options  
RB Not loaded  
RB Fulfillment Options  
Purchase Order Generation  
Payments  
Kit Exploder  
Flat Glass  
FastFinder  
FASCOR Not loaded

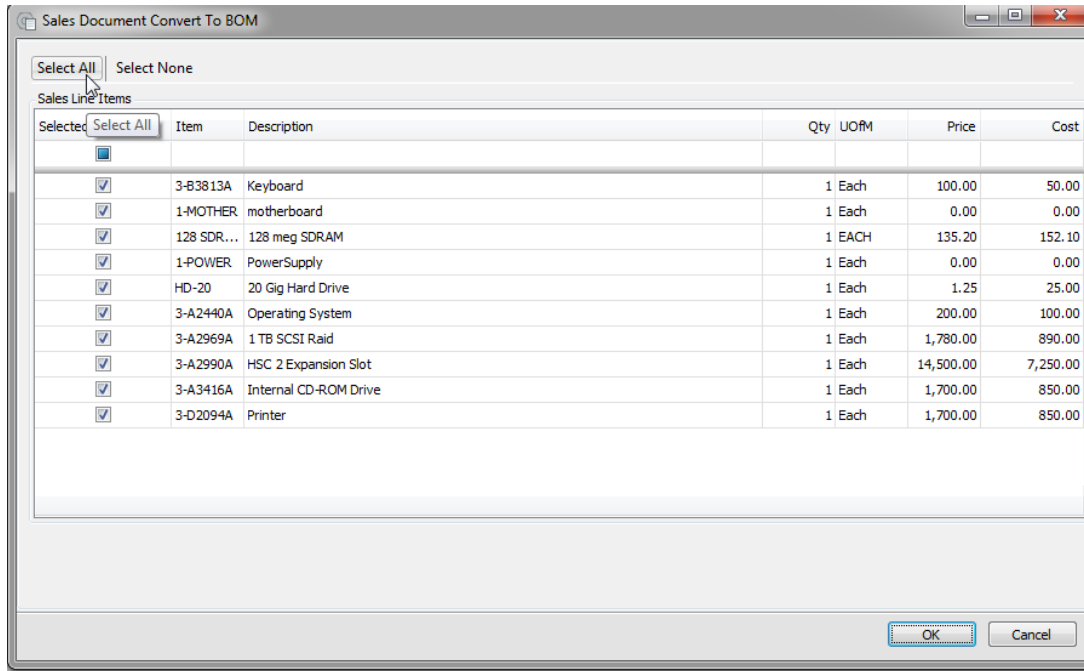
Search x (ORDER) x Allocate Dynamics GP

Item Class Code  
COMPONENTS

Qty Fulfilled	Qty Allocated	NI	Purch Stat
0	0	<input type="checkbox"/>	None
0	0	<input type="checkbox"/>	None
0	0	<input type="checkbox"/>	None
0	0	<input type="checkbox"/>	None
0	0	<input type="checkbox"/>	None
0	0	<input type="checkbox"/>	None
0	0	<input type="checkbox"/>	None
0	0	<input type="checkbox"/>	None
0	0	<input type="checkbox"/>	None
0	0	<input type="checkbox"/>	None
0	0	<input type="checkbox"/>	None
0	0	<input type="checkbox"/>	None

The "Sales Document Convert to BOM" window will appear, displaying all line items from

the Sales Document. Select the line items to convert to BOM.

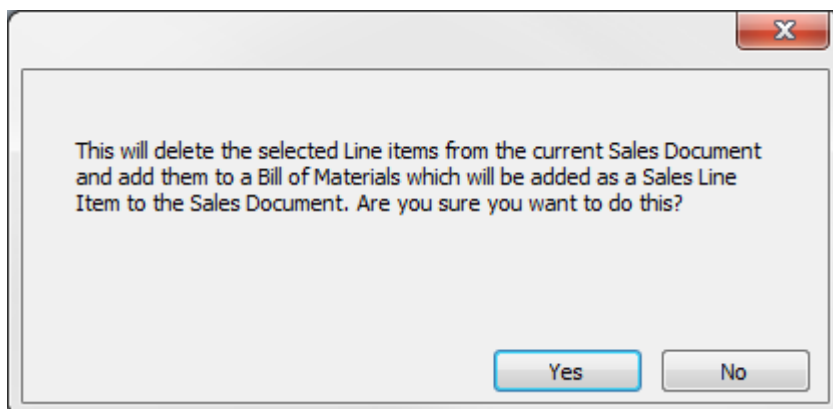


The dialog box titled "Sales Document Convert To BOM" contains a "Select All" button and a "Select None" button. Below these is a "Sales Line Items" section with a "Selected" column and a "Select All" button. The main table lists items with columns for Item, Description, Qty, UoM, Price, and Cost. All items are checked in the "Selected" column.

Selected	Select All	Item	Description	Qty	UoM	Price	Cost
<input checked="" type="checkbox"/>	<input type="checkbox"/>						
<input checked="" type="checkbox"/>	<input type="checkbox"/>	3-B3813A	Keyboard	1	Each	100.00	50.00
<input checked="" type="checkbox"/>	<input type="checkbox"/>	1-MOTHER	motherboard	1	Each	0.00	0.00
<input checked="" type="checkbox"/>	<input type="checkbox"/>	128 SDR...	128 meg SDRAM	1	EACH	135.20	152.10
<input checked="" type="checkbox"/>	<input type="checkbox"/>	1-POWER	PowerSupply	1	Each	0.00	0.00
<input checked="" type="checkbox"/>	<input type="checkbox"/>	HD-20	20 Gig Hard Drive	1	Each	1.25	25.00
<input checked="" type="checkbox"/>	<input type="checkbox"/>	3-A2440A	Operating System	1	Each	200.00	100.00
<input checked="" type="checkbox"/>	<input type="checkbox"/>	3-A2969A	1 TB SCSI Raid	1	Each	1,780.00	890.00
<input checked="" type="checkbox"/>	<input type="checkbox"/>	3-A2990A	HSC 2 Expansion Slot	1	Each	14,500.00	7,250.00
<input checked="" type="checkbox"/>	<input type="checkbox"/>	3-A3416A	Internal CD-ROM Drive	1	Each	1,700.00	850.00
<input checked="" type="checkbox"/>	<input type="checkbox"/>	3-D2094A	Printer	1	Each	1,700.00	850.00

Buttons: OK, Cancel

Click **Yes** on the popup, and the selected line items will be deleted from the Sales Document and added to the BOM:



This will delete the selected Line items from the current Sales Document and add them to a Bill of Materials which will be added as a Sales Line Item to the Sales Document. Are you sure you want to do this?

Buttons: Yes, No

Next, the "Item Maintenance" popup will appear. Fill in the necessary information for the new BOM.

After filling in the details for the new BOM and clicking **OK**, the "Item Maintenance" popup will close and a new "Bill of Materials Entry" popup will appear. This window will be populated with information entered on the "Item Maintenance" popup and the items selected from the Sales Document.



**COMPUTER**

Close Save Generate Assembly Delete

**BOM Properties**

Bill Number: COMPUTER Status: Active

Description: standard white computer Status Order: 1

Effective Date: 3/12/2013 Standard Cost: 0.00

Obsolete Date: 3/22/2013 U of M: Each

Stock Method: Build If Necessary Type: Normal

Lines User Fields

New Delete

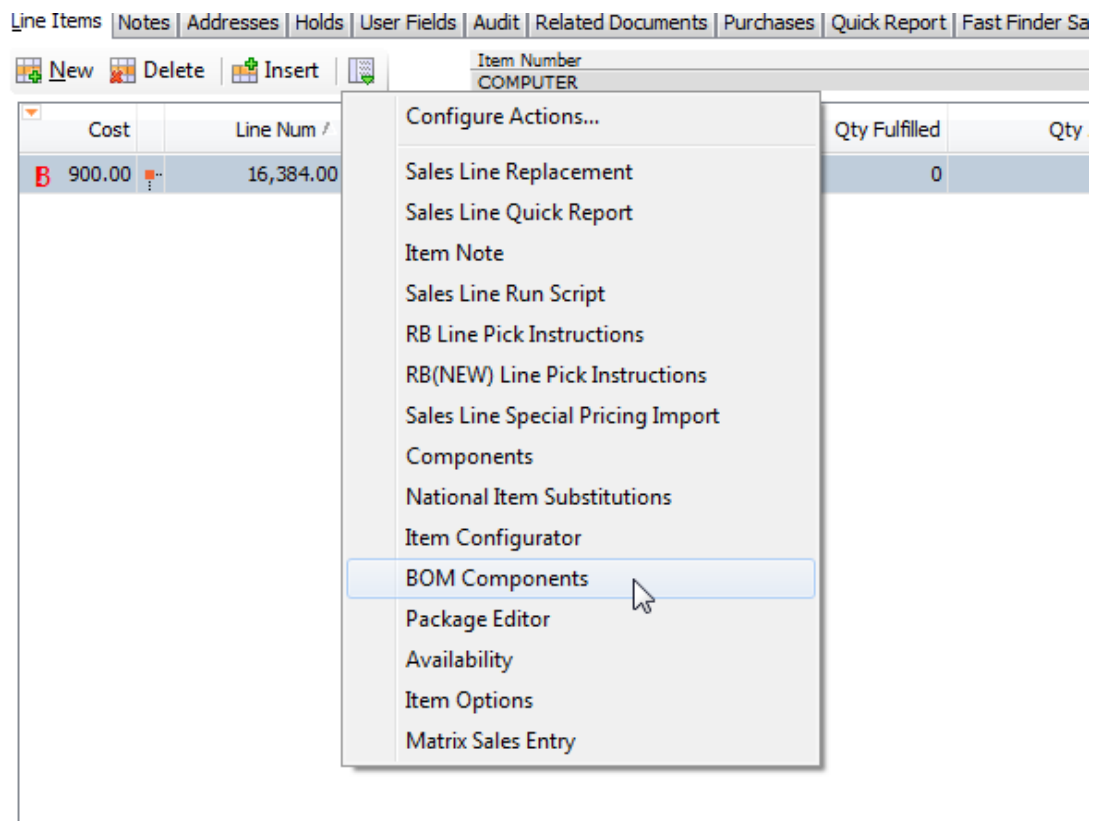
Component Item Number	Qty Per	Standard Qty	Component ...	Effective ...	Cost Type	Obsolete Date	U of M	Scrap Perce...	BOM Comp Item Descri...
3-A2440A	1	1	Active	3/12/2013	Per Unit		Each	0.00 %	Operating System
3-A2969A	1	1	Active	3/12/2013	Per Unit		Each	0.00 %	1 TB SCSI Raid
3-A2990A	1	1	Active	3/12/2013	Per Unit		Each	0.00 %	HSC 2 Expansion Slot
3-A3416A	1	1	Active	3/12/2013	Per Unit		Each	0.00 %	Internal CD-ROM Drive
3-B3813A	1	1	Active	3/12/2013	Per Unit		Each	0.00 %	Keyboard
3-B3897A	1	1	Active	3/12/2013	Per Unit		Each	0.00 %	CD-ROM Media
3-C2804A	1	1	Active	3/12/2013	Per Unit		Each	0.00 %	Rackmount Kit
3-C2924A	1	1	Active	3/12/2013	Per Unit		Each	0.00 %	SCSI Cable
3-D2094A	1	1	Active	3/12/2013	Per Unit		Each	0.00 %	Printer
1-MOTHER	1	1	Active	3/12/2013	Per Unit		EACH	0.00 %	motherboard
... 1-CIRCUITB...	1	1	Active	3/12/2013	Per Unit		EACH	0.00 %	board
... 128 SDRAM	1	1	Active	3/12/2013	Per Unit		EACH	0.00 %	128 meg SDRAM
... 1-PROCESSOR	1	1	Active	3/12/2013	Per Unit		EACH	0.00 %	CPU

Click **Save** to commit the item for use. SalesPad will return to the original Sales Document. The converted items will now display as a single BOM on a Sales Document line.

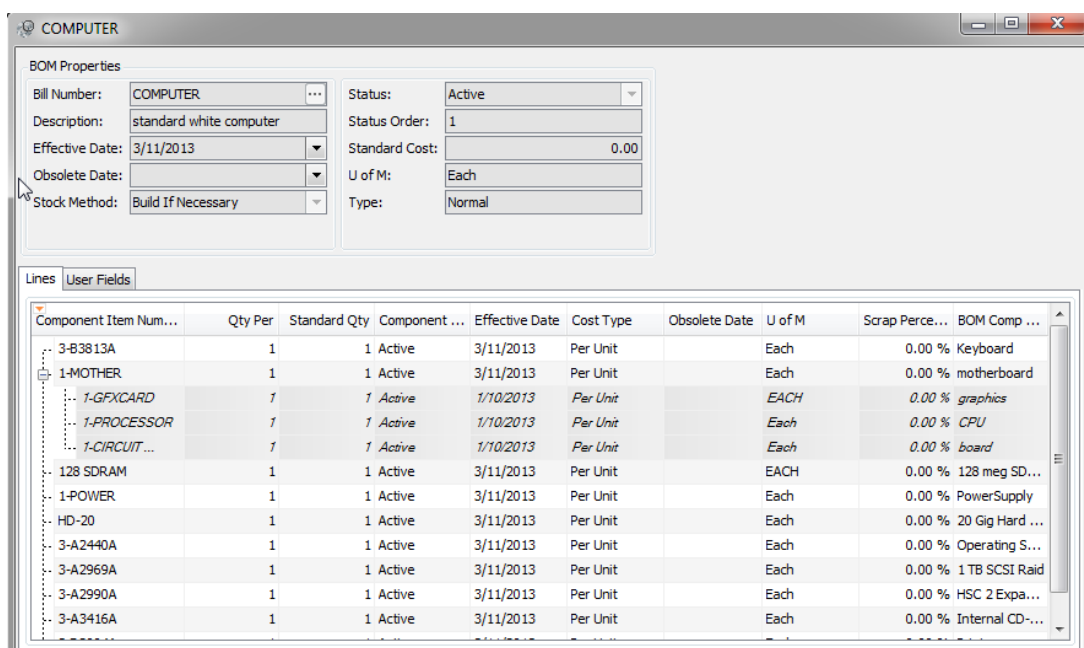
Line Items	Notes	Addresses	Holds	User Fields	Audit	Related Documents	Purchases	Quick Report	Fast Finder Sales Document
New	Delete	Insert							
Item Number COMPUTER					Item Class C FG-ACT				
Cost	Line Num /	Item	Qty	Qty BO	Qty Fulfilled	Qty Allocated	NI		
B 0.00	180,224.00	COMPUTER	1	0	0	0	0		

### Viewing BOM Components on the Sales Line


To view the components for a BOM on a Sales Document, open the Sales Document ([Sales Document Entry](#)) and select BOM Components from the "Sales Line Actions" (📄) dropdown:



If the sub-setting for the BOM Components is set to True, this popup will run when adding a BOM to the sales line.



### Creating an Assembly from a Sales Document

To create an Assembly from a Sales Document, select Create Assembly from the Sales Document Actions (  ) dropdown:

SalesPad Today Customer Search Adv Cust Search

Configure Actions...

- Add Customer Default Items
- Add Item
- Add Rental Item
- Aggregate Pricing
- Attach Sales Line to PO
- Auto Glass Adhesive
- Auto Glass Interchange
- Auto Glass Inventory Search
- Auto Glass Labor
- Auto Glass Notes
- Auto Item Conversion
- Back
- Blanket Order Invoicing
- Blanket Order Release
- Commit Catch Weights
- Complementary Interchange
- Convert To BOM
- Create Assembly**
- Document Release
- Fiat Glass
- Fulfillment
- Invoicing

Document Properties

Document #: (ORDER) ORDST2365 X

Customer #: AAR

Cust PO: 6/17

Req Ship: LOC

Ship Method: WAR

Whse: xBoolean

Created By: scot

Currency: Z-US

Line Items Notes Addresses

New Delete Insert

Item 100XLG

Item Mass Update Mass Update

Sales Batch Processing Inventory Lookup Inventory Transfers Sales Transfers Purchasing Reports

Inventory

Un Allocate Dynamics GP Purchase Ship

Shipping Address

Aaron Fitz Electrical  
Bob Fitz  
11403 45 St. South  
Chicago, IL 60603-0776  
P: (312) 555-0102  
F: (312) 555-0102

Additional Properties

Batch/Q: ALPHA

Price Level: ENGL...

No Holds

Ship Complete

Totals - GM: [-\$900.00] [0.00%]

Misc Charge: 0.00

Discount: 0.00

Discount %: 0.00 %

Freight: 0.00

Tax: 0.00

Total: 0.00

Payment: 0.00

Purchases Quick Report FedEx Quote Email Audit Assemblies Tracking Numbers Miller Welding In Out Packages S

Item Class Code	UoM	Schedule	PHONE 1-10	Available	Onhand
Whse	Qty	Qty ...	Qty BO	Price	Ext Price Req Ship
WAREH...	1	0	1	0.00	0.00 6/17/2014

If the Create Assembly Sub-Security: Auto Save is enabled, then Assemblies will be created in the background for each BOM Line item. A message box will display all the Assemblies that were generated.

SalesPad

Assembly document(s) saved.  
Created ASM00000000000038 with a status of Not Released.

OK

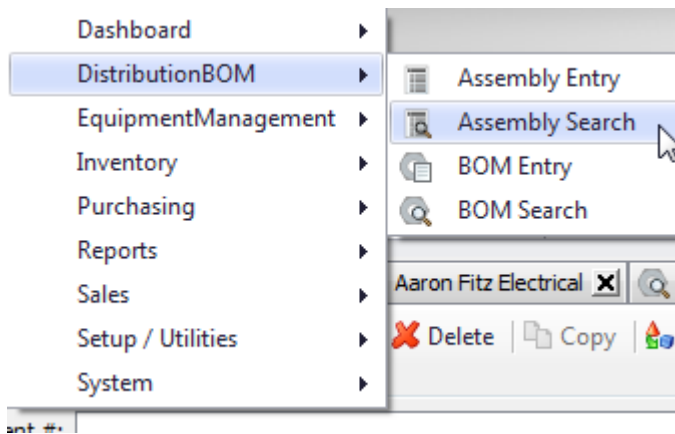
If the Create Assembly Sub-Security: Auto Save is disabled, then a new Assembly Entry Screen will open for each of the Assemblies, which can be modified by the user before they are saved.

Once the Assemblies are saved, a link will be created between the Assembly and the Sales Line. These Assembly links can be viewed and broken from the Assemblies tab on the Sales Document.

Line Items	Notes	Addresses	Holds	User Fields	Audit	Related Documents	Purchases	Quick Report	FedEx Quote	Email Audit	Assemblies	Tracking Numbers
Break Link												
Sales Doc Num	Line Num	Item Number	Item Description	Assembly Doc Num	Created On							
ORDST2365	16,384	100XLG	1	ASM00000000000031	6/17/2014							

### Finding and Opening an Existing Assembly

Find and open an existing Assembly on the Assembly Search tab (Modules > DistributionBOM > Assembly Search):



To search for Assemblies, enter a full or partial Assembly Number in Assembly #. You can narrow the results by checking **Released** or **Not Released** under Assembly Status. You can also check **Match Beginning**, which will show results for only criteria matching the beginning of the Assembly Document Number, or change the Prior Months searched. Click **Search**.

Assembly Doc Num	BOM Number	BOM Description	BOM Transaction Status	UoM	Document Date	Batch Number	Warehouse
ASM000000000000046	1-mother		Released	EACH	11/19/2012	ASSEMBLY3	WAREHOUSE
ASM000000000000046	1-mother		Released	EACH	11/19/2012	ASSEMBLY3	WAREHOUSE
ASM000000000000046	1-mother		Released	EACH	11/19/2012	ASSEMBLY3	WAREHOUSE
ASM000000000000046	1-mother		Released	EACH	11/19/2012	ASSEMBLY3	WAREHOUSE
ASM000000000000046	1-mother		Released	EACH	11/19/2012	ASSEMBLY3	WAREHOUSE
ASM000000000000046	1-mother		Released	EACH	11/19/2012	ASSEMBLY3	WAREHOUSE
ASM000000000000046	1-mother		Released	EACH	11/19/2012	ASSEMBLY3	WAREHOUSE
ASM000000000000046	1-mother		Released	EACH	11/19/2012	ASSEMBLY3	WAREHOUSE
ASM000000000000046	1-mother		Released	EACH	11/19/2012	ASSEMBLY3	WAREHOUSE
ASM000000000000046	1-mother		Released	EACH	11/19/2012	ASSEMBLY3	WAREHOUSE
ASM000000000000047	1-mother		Released	EACH	11/19/2012	ASSEMBLY 1	132G
ASM000000000000050	STRING006	string	Not Released	YD	11/9/2012	ASSEMBLY3	132G
ASM000000000000139	1-MOTHER	motherboard	Released	EACH	11/30/2012	ASSEMBLY 1	WAREHOUSE
ASM000000000000053	string006	string	Released	YD	11/19/2012	ASSEMBLY3	132G
ASM000000000000054	string006	string	Released	YD	11/19/2012	ASSEMBLY 1	132G
ASM000000000000055	string006	string	Released	YD	11/19/2012	ASSEMBLY 1	132G
ASM000000000000056	string006	string	Released	YD	11/19/2012	ASSEMBLY 1	132G
ASM000000000000057	string006	string	Released	YD	11/19/2012	ASSEMBLY 1	132G
ASM000000000000058	string006	string	Released	YD	11/19/2012	ASSEMBLY 1	132G
ASM000000000000059	string006	string	Released	YD	11/19/2012	ASSEMBLY 1	132G

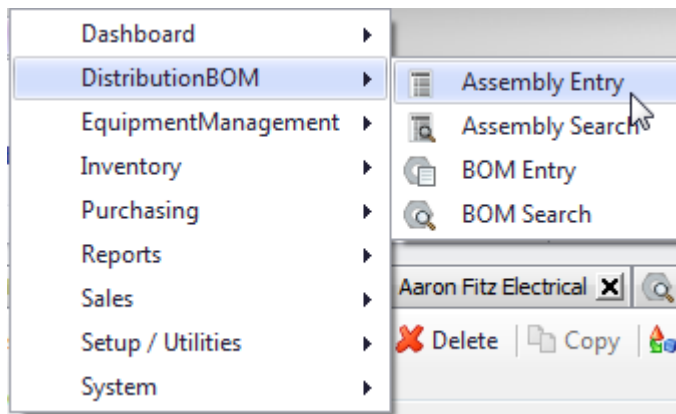
You can further filter results using the Filter line.

To open the desired Assembly, click the Assembly Doc Number hyperlink or double-click anywhere on the line.

## Creating a New Assembly

### From Entry

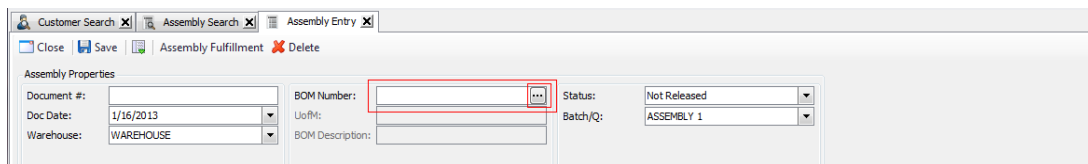
To create a new Assembly on the Assembly Entry tab (Modules > DistributionBOM > Assembly Entry):



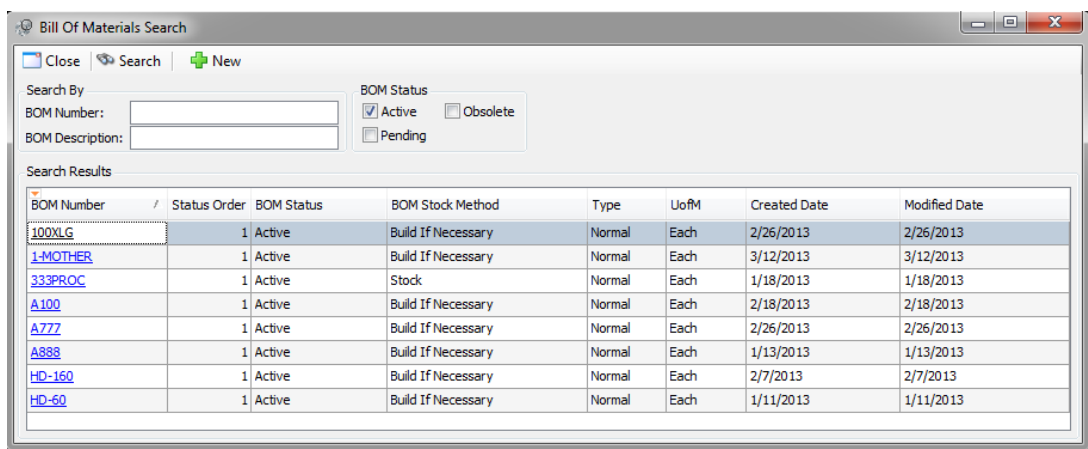
#### From Search

To create a new Assembly from the Assembly Search screen, click **New**. A new "Assembly Entry" screen will open in a new tab.

On the "Assembly Entry" screen, you will select a Bill of Materials from which to create an Assembly. To do so, click the ellipsis (...) button on the BOM Number field:



The "Bill of Materials Search" popup window will appear:



Search for and select the desired BOM. The Assembly Entry tab will populate with the BOM number and its line items.

Assembly Properties

Document #: ASM00000000000012    BOM Number: FAXX-FG3-0001    Status: Released

Doc Date: 2/15/2017    UoM: Each    Batch/Q: ASSEMBLY 1

Warehouse: WAREHOUSE    BOM Description: Desktop Fax System

Line Items    User Fields

Item Number	Qty Per	Item Description	UoM	Stock Qty	Assemble Qty	Standard Qty	Warehouse C...	Ext Standard Qty
FAXX-FG3-0001	0	Desktop Fax System	Each	0	1	1	WAREHOUSE	1
PHAN-FAX-0001	0	Fax Machine Package	Each	0	1	1	WAREHOUSE	1
SPLN-TWO-0002	0	Service Plans - Equipment	Quarter	4		4	WAREHOUSE	4
HDWR-PNL-0001	0	Control Panel	Each	1		1	WAREHOUSE	1
HDWR-FGC-0001	0	Data Card Assembly	Each	1	0	1	WAREHOUSE	1
TRAN-STR-N394	0	Transistor, 2N394	Each	0	0	1	WAREHOUSE	0
RMTL-CAP-10MF	0	Capacitor, .10mF	Each	0	0	1	WAREHOUSE	0
RESR-COM-68KM	0	Resistor-68KM Revised	Each	0	0	1	WAREHOUSE	0
ITCT-CIR-CD85	0	Integrated Circuit, PCD85-1	Each	0	0	2	WAREHOUSE	0
INST-TWO-0001	0	Installation	Hour	8		8	WAREHOUSE	8
WIRE-SCD-0001	0	Single conductor wire	Foot	61.71		61.71	WAREHOUSE	61.71

Fill in the remaining fields: Batch/Queue (Q), Warehouse, and Status.

- *Batch/Q* – Enter or select a batch ID to assign to this transaction.
- *Status* – Transaction statuses are the stages a transaction goes through as you enter it. An example would be if you want to begin entering transactions before the finished good is assembled, but don't want to allocate the components until the Assembly is complete.
- *Not Released* – Bill of Materials copies bill components and quantity information onto the transaction, but doesn't allocate the components in inventory. You can edit the transaction information, but cannot post. Any subassembly at or below the tenth component level will be treated as a stock component on the transaction.
- *Released* – Bill of Materials allocates the components in inventory. Posting is available and will update inventory quantities and accounts. Transactions may be edited and will appear on the edit list.
- *Assembly Line Level Changes*
  - *Assembly Qty* – This is the number of items needing to be assembled and rolls down to each sub-item.
  - *Stock Qty* – This is based on quantity available for BOM items and is not editable on the main item.
- *Functional Scenarios* – When you have a quantity available, the sub-items are not accessible, but are still viewable. For example:

We need 1 FAXX-FG3-0001, which is rolled down to each sub-item. I have 25 HDWR-FGC-0001 available, so my stock quantity is 1, and my assembly quantity is 0. We still have access to the sub-items for the HDWR-FGC-0001, but cannot change the Stock Qty or Assemble Qty.

Line Items		User Fields						
Item Number	Qty Per	Item Description	UoM	Stock Qty	Assemble Qty	Standard Qty	Warehouse C...	Ext Standard Qty
[-] FAXX-FG3-0001	0	Desktop Fax System	Each	0	1	1	WAREHOUSE	1
[-] PHAN-FAX-0001	0	Fax Machine Package	Each	0	1	1	WAREHOUSE	1
[-] SPLN-TWO-0002	0	Service Plans - Equipment	Quarter	4		4	WAREHOUSE	4
[-] HDWR-PNL-0001	0	Control Panel	Each	1		1	WAREHOUSE	1
[-] HDWR-FGC-0001	0	Data Card Assembly	Each	1	0	1	WAREHOUSE	1
[-] TRAN-STR-N394	0	Transistor, 2N394	Each	0	0	1	WAREHOUSE	0
[-] RMTL-CAP-10MF	0	Capacitor, .10mF	Each	0	0	1	WAREHOUSE	0
[-] RESR-COM-68KM	0	Resistor-68KM Revised	Each	0	0	1	WAREHOUSE	0
[-] ITCT-CIR-CD85	0	Integrated Circuit, PCD85-1	Each	0	0	2	WAREHOUSE	0
[-] INST-TWO-0001	0	Installation	Hour	8		8	WAREHOUSE	8
[-] WIRE-SCD-0001	0	Single conductor wire	Foot	61.71		61.71	WAREHOUSE	61.71

If we then need 30 FAXX-FG3-0001s, this will roll down to each item. Because we only have 25 HDWR-FGC-0001 available, there are 5 that need to be assembled, and this quantity is rolled down to those sub-items.