



SIMMS Inventory Software Solution

Version 2013 vol 1.5

Case No. 6625 – Web BOM Picking

Require a nice easy way to picking stock and serialized components for builds start in SIMMS by a supervisor user. A supervise user start to build a kit and sub-kits associated, then print a job card and leave users in warehouses to pick stock and serialized components for opened builds.

In order to cover this request, in first place supervise user must to start to build a kit and sub-kits associated in SIMMS and print a job card:

☺ Start a kit

The screenshot shows the 'Build Kit' application window. The main area displays 'Build No. 1 Components Stock Allocation' with a table of components. The table has columns: Code, Description, LPC, U/M, Qty, Waste Qty, On-Hand Qty, Allocate Qty, and Unit Cost. Components include Term, Wire, Conn, and Label Assembly. On the left, there are panels for 'Build No. 1 of 2' and 'Build No. 2 of 2', each showing kit name, stock info, and costs. The bottom of the window has navigation buttons like 'New', 'Snap Part', 'Disassembly', 'Commit', 'Kit Schema', 'Components', 'Time Booked', 'Serial Numbers', 'Session History', and 'Attach & Notes'.

☺ Print a job card

Applus Technologies Inc.
444 North Michigan Avenue, Suite 1110 Chicago IL 60611
Applus+ Technologies Inc.
N56 W24701 N, Corporate Circle, Suite 2 Sussex WI 53089

Kit Building Job Card
Order Number:3773

| # | Kit Code | Kit Description | Kit Qty |
|---|----------|--|---------|
| 1 | 413-0073 | Wire Harness, Bench to Relay, AC Pump Retrofit, Andros | 1 |

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Kit Building Job Card
Order Number:3773

| # | Kit Code | Kit Description | Kit Qty |
|---|----------|--|---------|
| 2 | 910-1044 | Label Assembly, Relay WH, AC Pump, Ontario | 1 |

| Comp Code | Comp Description | Comp Qty | Comp U/M | Std. Cost |
|----------------|---|----------|----------|-----------|
| 710-0531 | Term, .25", Female, Crimp, Insulated, 18-22AWG, RED | 2 | Each | 0.22 |
| 710-0271 REV 1 | Conn, MTA156 2POS 22AWG | 1 | Each | 0.11 |
| 910-1044 | Label Assembly, Relay WH, AC Pump, Ontario | 1 | Each | 0.00 |
| 710-0220 | Wire, 22 AWG, Black, Per Inch | 12 | Inch | 0.02 |
| 710-0001 | Wire, 22 AWG, Red, Per Inch | 12 | Inch | 0.02 |

| Comp Code | Comp Description | Comp Qty | Comp U/M | Std. Cost |
|-----------|--|----------|----------|-----------|
| 910-1041 | File Label, Relay WH, AC Pump, Ontario | 1 | Each | 0.00 |
| 690-0040 | Label Tape, P-Touch 1/4" black w/white print | 3 | Inch | 0.03 |




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Once these operations was made users can start pick stock and serialized components log-in on web application using a Pin, SIMMS username & password.

BOM - Production Quick Entry Applus Technologies Inc.

**Log in**
Pin
User Name
Password
Remember me?

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After login, user must to scan his employee card (or enter his SIMMS username) and choose the build order number and build number to pick.

BOM - Production Quick Entry Applus Technologies Inc.
User: Dean Miller [Log Out]

Scan your Employee Card
Employee ID Dean Miller

Select un-pick Order/Build for picking
Order No. Build No.

| Un-Pick Stock Components | | | | |
|--------------------------|---|------|-----|----------|
| Code | Description | U/M | Qty | Pick Qty |
| 710-0531 | Term, .25", Female, Crimp, Insulated, 18-22AWG, RED | Each | 2 | 0 |
| 710-0271 REV 1 | Conn, MTA156 2POS 22AWG | Each | 1 | 0 |
| 910-1044 | Label Assembly, Relay WH, AC Pump, Ontario | Each | 1 | 0 |
| 710-0220 | Wire, 22 AWG, Black, Per Inch | Inch | 12 | 0 |
| 710-0001 | Wire, 22 AWG, Red, Per Inch | Inch | 12 | 0 |

Hide Full Picked

Pick Components
Serial Number

| Item Code | Description | U/M | Location | Manufacturer Lot | Qty Pick |
|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> |

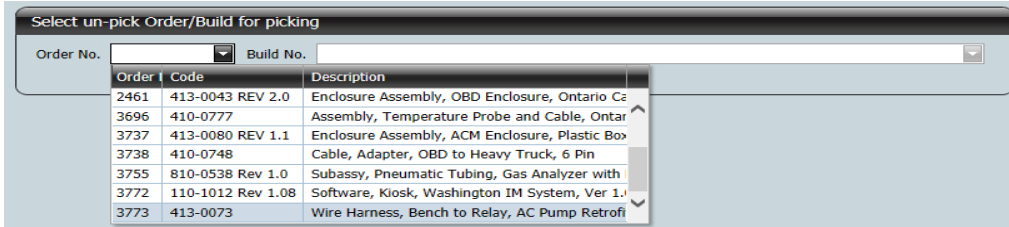
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On the Order No. system get all unpicked orders or partial picked and display also the kit code and description, user can type the order number or can choose from list.



Once the order is selected then system filter all unpicked or partial picked builds and the same user can choose one typing or select from the list.

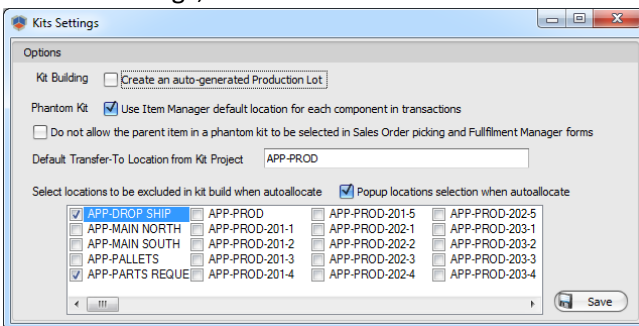


After build number selection, a grid will be displayed with all components, request quantities and picked. To make picking work easy we added a checkbox to hide full picked components.

On the pick components panel, user can directly scan serial number for serialized components or can start type the component code/description for not serialized and complete manually other information required: location (by default is fill with default location from item manager), manufacturer lot and quantity to pick.

When click on "Pick" button, system check all validations:

- If is a serialized item is not allow pick without serial number and qty=1;
- Location choose by the user must be one where user have rights and is not in the list of excluded location from kit settings;



- Not allow picking an item which is not component of selected build;
- Allow pick just if sufficient on-hand stock;
- Not allow "over" pick, total picked qty must be less or equal with component request.

If all validations pass, on component grid pick qty is refresh and if component is not fully picked, application keep by default same selection on picked panel while pick qty = request qty. Sure user can choose another item and pick for other component.

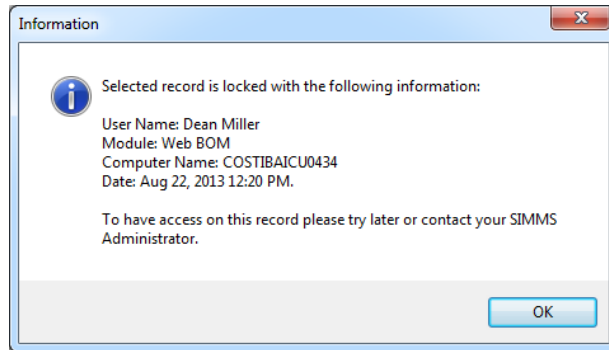
After user choose the build order, system lock transaction and not allow other users pick or access from SIMMS on the same time. Also, if transaction are lock in SIMMS, users cannot pick on locked transaction.



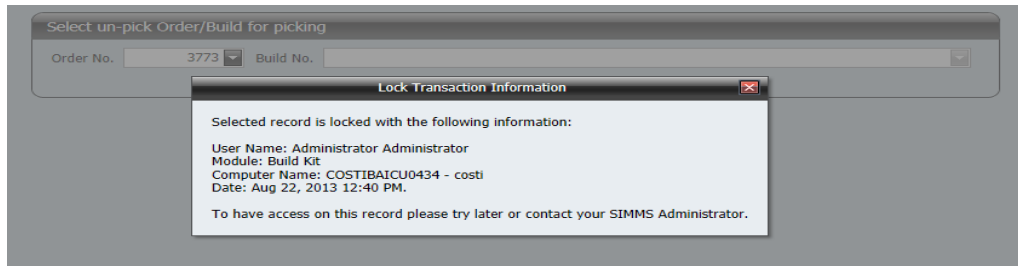
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SIMMS lock message when transaction in locked in Web BOM:



Web BOM message when transaction is locked on SIMMS:



After user finish a pick session and transaction is release, on SIMMS build kit, Session History tab we have all work done on web application for each component, serial picked and supervise user can analyze and commit the build.

