



## MP2 Label Designer Guide

Complete the following steps to print labels using the MP2 software package.

Use your favorite Label Design software to design your labels. Products like Label Matrix, Bartender, Label Vista, Zebra Designer, offer “print to file” that give you all the printer language code you need in a test file.

**For this guide we will demonstrate the design process in Teklynx Label Matrix.**

Software Support

Fax

Web

E-mail

330-645-9959

330-645-9969

[www.scanco.com](http://www.scanco.com)

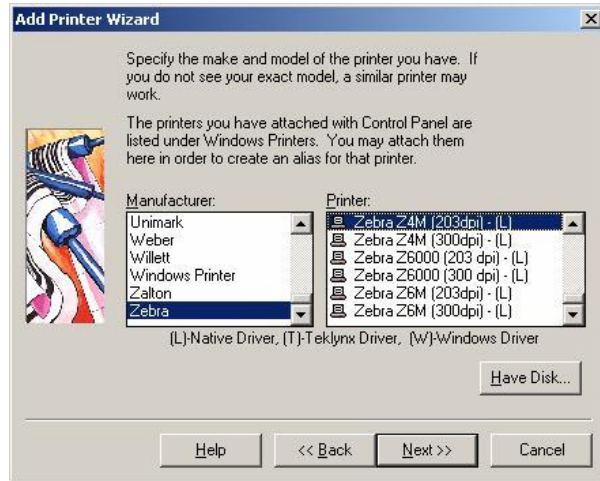
[support@scanco.com](mailto:support@scanco.com)

After installation of the Label Matrix software, refer to the Label Matrix Quick Start Guide, which you received in the Label Matrix package. Use the tutorial to familiarize yourself with the process of designing your label.

REMEMBER, when designing your new label in Label Matrix :

You will define the Print Driver in the label design, the actual printer will be set up with the Generic Printer driver, so it is important to use the correct Printer Driver within Label Matrix.

The printer driver name should contain the (L) or the (X), and not the (W) next to the printer resolution information.



The printer resident fonts are used for the human readable fields.

The printer resident fonts are those fonts that have a spooling paper icon next to the font name.



If you select the True Type font, you won't receive the desired output during the label conversion process and printing out the label.




We recommend using the 128B barcode type. It is the most compatible, and uses most readable characters.

Use the Auto (Printer Default) font when designing barcodes

## Designing your label with Label Matrix

When inserting both the human readable and the barcode fields into the new label design, always select a CONSTANT as your **Data Origin** field, which is located under the Data tab

When finished designing your label, be sure there are no warning lights next to images, barcodes or human readable fields. If you have a yellow or red warning light, hold the cursor over the warning light to find the error. 

If you have images on your label we recommend converting the image to the format that is supported by your printer model to make the label printing a more efficient and less time consuming. If your printer doesn't support color images, you can convert it to Black and White format using the Microsoft Paint program.

To make the label design conversion process more efficient and less troublesome, type the actual MP2 substitution in the **Text** field for a specific CONSTANT. (use a substitution in the label design for the field where the barcode will print out information pulled from MAS90/MAS200)

To make sure that there will be enough space for your actual data when printing your label, add extra digits after the substitution to equal the maximum length of that data field.

Find the correct substitutions and the maximum field lengths in the **Table of MP2 Label Substitutions** in Appendix A of this manual. If you don't see a substitution you need, contact Scanco Support. We do build custom substitution fields upon request for an additional fee.

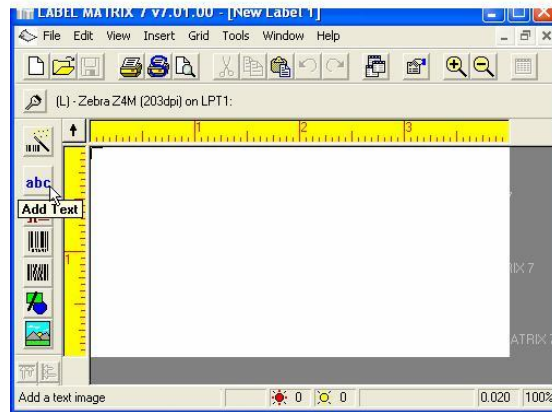
Use the **\$NO\_LBL\$** substitution on every label, this data informs MP2 how many labels to print out. If this substitution isn't present, you will always print just one label. Depending on the label printer model, the \$NO\_LBL\$ code will be placed in a different location. Usually, it will replace 1 in the PQ1 line. Contact Scanco Support if you are not sure where this line is.

After running through the tutorial for Label Matrix, you are ready to design your first MP2 Label. We suggest drawing out your design "look" before you start designing your own label, but for practice, follow along this section to design a basic inventory label that will include item number and serial number information.

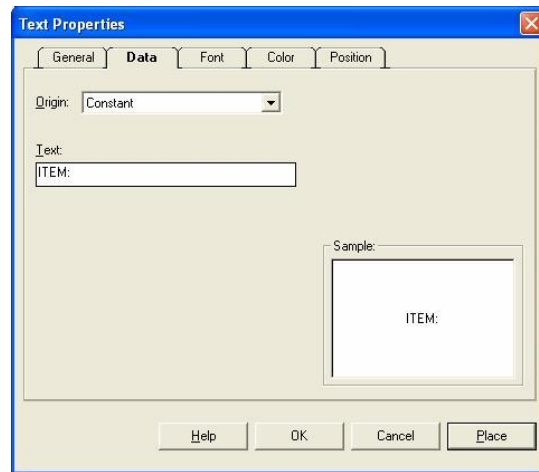
You will want to create a folder on your desktop to keep your files, on a temporary basis. Name the folder something recognizable like **Inventory Label**. This can be moved at a later date.

Open Label Matrix, make sure the correct printer and driver are selected before you start. Go to the FILE menu and choose **Label Properties** to set the label size, make sure it matches your actual label as it comes out of the printer.

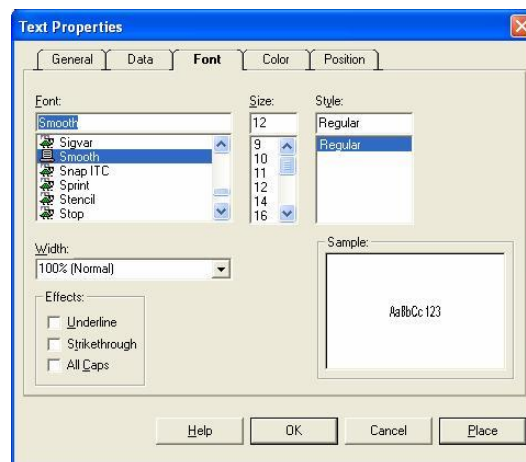
After setting up the label's properties, you are ready to design a practice label. Click on **Add Text** to add a human readable field on the label.



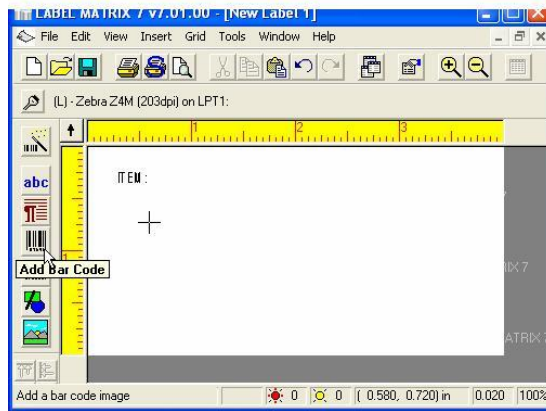
Type **ITEM:** in the **Text** field, make sure the **Origin** is CONSTANT.



Check to make sure the font is appropriate for your printer.



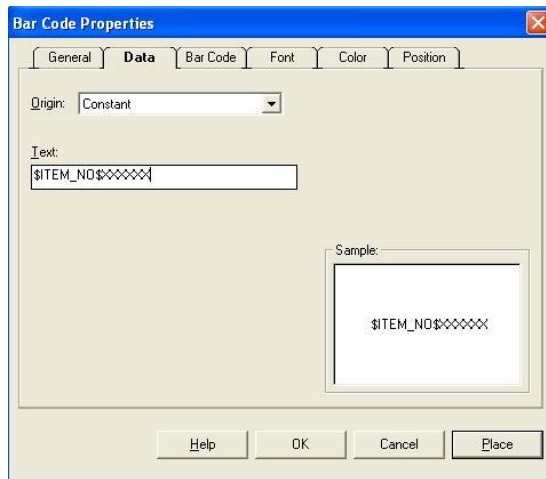
Click on **Place**, and position at the top left of your label.



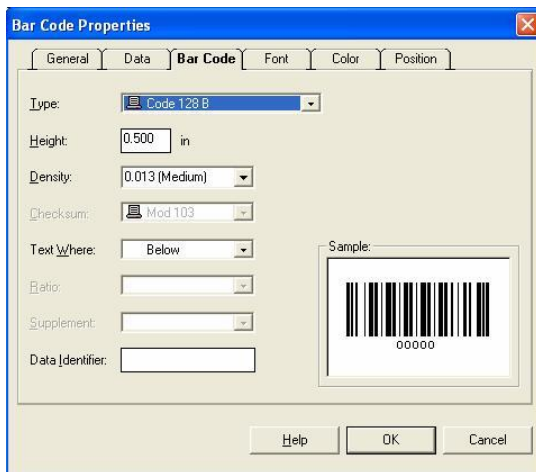
Now, add a barcode for the item number, click on **Add Bar Code**.

Type in the substitution for Item Number - **\$ITEM\_NO\$** - make sure to use capitals when placing any substitution and it is 9 characters long.

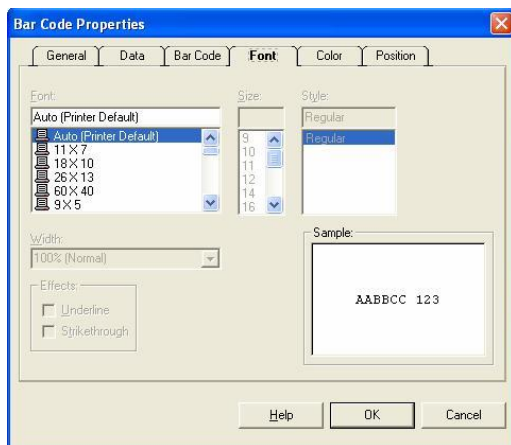
Add characters at the end of the substitution to equal the length of the data field, in this instance 15 spaces.



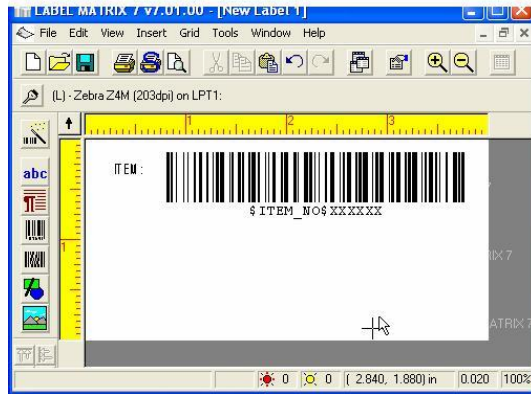
Check the barcode **Type** and the **Density** (density is the width of your barcode, anything over VERY HIGH is difficult for scanners to read). Choose **below** for the **Type Where** field to have a human readable item number below the barcode.



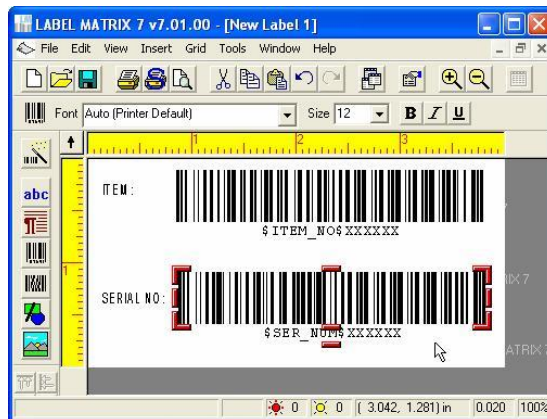
Make certain the **Auto Printer (Default)** font is chosen for the Barcode.



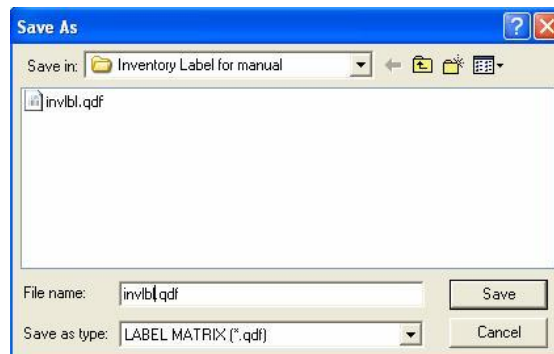
In the **Data** Tab, click on **Place**, and place the barcode just to the right of the human readable ITEM:



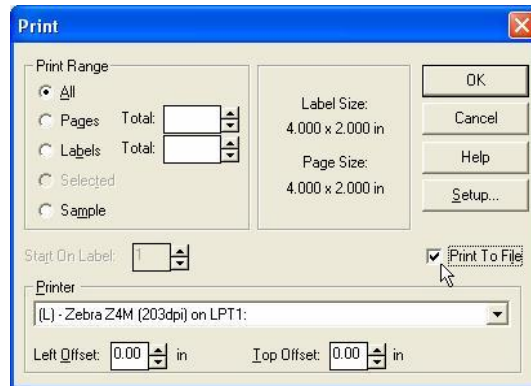
Click on **ADD TEXT** to repeat this process and insert a Serial Number into the label design. Use **\$SER\_NUM\$** as the substitution, add enough characters at the end to equal 15 spaces.



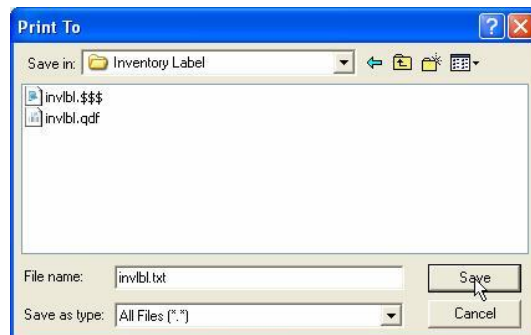
Go to the **FILE** menu and scroll to **Save As**. Browse to the folder you made on your desktop, and save this .qdf file as **invlbl.qdf**.



Next, go to the FILE menu and scroll to **Print**. Click the **Print to File** box and click **OK**.



Choose that same folder and save this text file as `invlbl.txt`. Close out of Label Matrix.



Your label file should look similar to this.

```

invlbl.txt - Notepad
File Edit Format View Help
*****
* WARNING: It is unlawful to sell or give away this *
* output to installations which do not have *
* a registered copy of this product. This *
* output is to be used only by the registered *
* end user, for use on one printer. See the *
* license agreement for more information. *
*****
*
* Delete this line and above to use for printing.
*
AXA
ACW1, R: DOWNLD1. FNT
ACW2, R: DOWNLD2. FNT
ACW3, R: DOWNLD3. FNT
ACW4, R: DOWNLD4. FNT
ACOV, 0^AMMT^AMD+0
AXZ
AXA^ACI0,167,167^XZ
AXA
APR3^AFS
AMNY^AFS
AFT28, 71^A0N, 34, 26^FDITEM: ^FS
ABY3, 2. 5^AFS
AFT171, 122^BCN, 102, N, N, Y^FD>: $ITEM_NO$XXXXXX^AFS
AFT335, 148^ABN, 22, 14^FH^FD$ITEM_5FNO$XXXXXX^AFS
AFT28, 282^A0N, 34, 26^FD SERIAL NO: ^FS
ABY3, 2. 5^AFS
AFT175, 321^BCN, 102, N, N, Y^FD>: $SER_NUM$XXXXXX^AFS
AFT339, 347^ABN, 22, 14^FH^FD$SER_5FNUM$XXXXXX^AFS
AISSTRNWARE, N^AFS
AXZ
AXA
APR3^AFS
AILSTRNWARE^AFS
APF0^AFS
APQ, 0, 0, Y
AXZ
AXA
AIDSTRNWARE
AXZ

```

To convert this file to conform to the correct MP2 file format, a few changes need to be made.

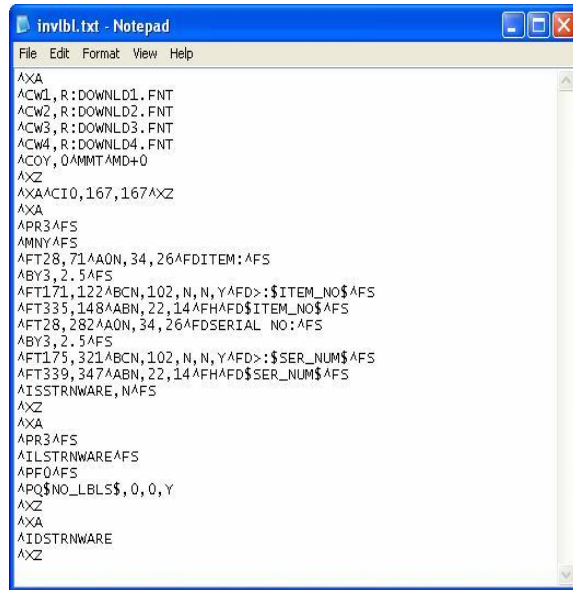
1. Delete any lines that may be indicated on the file.
2. Delete the characters you added after the substitutions. (XXX)
3. Delete any extra characters that may have been added to any of the substitutions. (5f)
4. Add the **NUMBER OF LABELS** substitution. **\$NO\_LBL\$**

```

invlbl.txt - Notepad
File Edit Format View Help
AXA
ACW1, R: DOWNLD1. FNT
ACW2, R: DOWNLD2. FNT
ACW3, R: DOWNLD3. FNT
ACW4, R: DOWNLD4. FNT
ACOV, 0^AMMT^AMD+0
AXZ
AXA^ACI0,167,167^XZ
AXA
APR3^AFS
AMNY^AFS
AFT28, 71^A0N, 34, 26^FDITEM: ^FS
ABY3, 2. 5^AFS
AFT171, 122^BCN, 102, N, N, Y^FD>: $ITEM_NO$^AFS
AFT335, 148^ABN, 22, 14^FH^FD$ITEM_5FNO$^AFS
AFT28, 282^A0N, 34, 26^FD SERIAL NO: ^FS
ABY3, 2. 5^AFS
AFT175, 321^BCN, 102, N, N, Y^FD>: $SER_NUM$^AFS
AFT339, 347^ABN, 22, 14^FH^FD$SER_NUM$^AFS
AISSTRNWARE, N^AFS
AXZ
AXA
APR3^AFS
AILSTRNWARE^AFS
APF0^AFS
APQ$NO_LBL$, 0, 0, Y
AXZ
AXA
AIDSTRNWARE
AXZ

```

Your finished converted file format should appear similar to this, depending on your printer.



Close this file and Save changes when prompted.

If you wish to add or edit this file, open the .qdf file, change your data, save as, and follow the process to convert your file. You can have many different labels in MP2, and choose which one is needed when your print through MAS90/MAS200.

## Appendix A

Description	Sub	Inventory	Lot/Serial	PO	Receipt	SO	Shipping
Item #	\$ITEM_NO\$	X	X	X	X	X	X
Item Desc	\$ITEM_DESC\$	X	X	X	X	X	X
Warehouse	\$WARECOD\$	X	X	X	X	X	X
Date	\$SYSDATE\$	X	X	X	X	X	X
Time	\$SYSTIME\$	X	X	X	X	X	X
Print Qty	\$NO_LBL\$	X	X	X	X	X	X
Detail KB Prompt1	\$LABDES1\$	X	X	X	X	X	X
Detail KB Prompt2	\$LABDES2\$	X	X	X	X	X	X
Detail KB Prompt3	\$LABDES3\$	X	X	X	X	X	X
Detail KB Prompt4	\$LABDES4\$	X	X	X	X	X	X
Detail KB Prompt5	\$LABDES5\$	X	X	X	X	X	X

Global KB Prompt1	\$ Global1\$	X	X	X	X	X	X
Global KB Prompt2	\$ Global 2\$	X	X	X	X	X	X
Global KB Prompt3	\$ Global \$	X	X	X	X	X	X
Global KB Prompt4	\$ Global 4\$	X	X	X	X	X	X
Global KB Prompt5	\$ Global \$	X	X	X	X	X	X
Sales UOM	\$SLS_UOM\$	X	X	X	X	X	X
Purchase UOM	\$PUR_UOM\$	X	X	X	X	X	X
Standard UOM	\$STD_UOM\$	X	X	X	X	X	X
Category 1	\$USERDF1\$	X	X	X	X	X	X
Category 2	\$USERDF2\$	X	X	X	X	X	X
Category 3	\$USERDF3\$	X	X	X	X	X	X
Category 4	\$USERDF4\$	X	X	X	X	X	X
Bin	\$BIN_LOC\$	X	X	X	X	X	X
Standard Price	\$STD_PRICE\$	X	X	X	X	X	X
Vendor Alias	\$V_ALIAS\$	X	X	X	X	X	X
General Alias	\$G_ALIAS\$	X	X	X	X	X	X
Customer Alias	\$C_ALIAS\$	X	X	X	X	X	X
Lot or Serial	\$SER_NUM\$		X		X		X
Receipt #	\$PURCHNO\$			X	X		
Receipt #	\$RECPTNO\$				X		
Job #	\$JOB_NUM\$				X		
Qty Received	\$QTY_REC\$				X		
Order #	\$ORDERNO\$					X	X
Customer PO#	\$CUST_PO\$					X	X
Qty Ordered	\$QTY_ORD\$					X	
AR Division	\$ARDIVISIONNO\$			X	X	X	X
Bill To Name	\$BILLTONAME\$			X	X	X	X
Bill To Address1	\$BILLTOADDRESS1\$			X	X	X	X
Bill To Address2	\$BILLTOADDRESS2\$			X	X	X	X
Bill To Address3	\$BILLTOADDRESS3\$			X	X	X	X
Bill To City	\$BILLTOCITY\$			X	X	X	X
Bill To State	\$BILLTOSTATE\$			X	X	X	X
Bill To Zip	\$BILLTOZIPCODE\$			X	X	X	X
Bill To Country	\$BILLTOCOUNTRYCODE\$			X	X	X	X
Ship To Name	\$SHIPTONAME\$			X	X	X	X
Ship To Addr1	\$SHIPTOADDRESS1\$			X	X	X	X
Ship To Addr2	\$SHIPTOADDRESS2\$			X	X	X	X
Ship To Addr3	\$SHIPTOADDRESS3\$			X	X	X	X
Ship To City	\$SHIPTOCITY\$			X	X	X	X
Ship To State	\$SHIPTOSTATE\$			X	X	X	X

Ship To Zip	\$\$SHIPTOZIPCODE\$			X	X	X	X
Ship To Country	\$\$SHIPTOCOUNTRYCODE\$			X	X	X	X
Ship Via	\$\$SHIPVIA\$			X	X	X	X
Invoice #	\$\$INVOICE\$						X
Qty Shipped	\$\$QTY_SHP\$						X
UDF1	\$\$UDF1\$	X	X	X	X	X	X
UDF2	\$\$UDF2\$	X	X	X	X	X	X
UDF3	\$\$UDF3\$	X	X	X	X	X	X
UDF4	\$\$UDF4\$	X	X	X	X	X	X
UDF5	\$\$UDF5\$	X	X	X	X	X	X

This is the list of User Defined Fields

- CI Item UDF1 - \$UDF1\$
- CI Item UDF2 - \$UDF2\$
- CI Item UDF3 - \$UDF3\$
- CI Item UDF4 - \$UDF4\$
- CI Item UDF5 - \$UDF5\$
- IM Cost UDF1 - \$UDF\_ITEMCOST1\$
- IM Cost UDF2 - \$UDF\_ITEMCOST2\$
- IM Cost UDF3 - \$UDF\_ITEMCOST3\$
- IM Cost UDF4 - \$UDF\_ITEMCOST4\$
- IM Cost UDF5 - \$UDF\_ITEMCOST5\$
- PO Header UDF 1 - \$UDF\_PO\_HEADER1\$
- PO Header UDF 2 - \$UDF\_PO\_HEADER2\$
- PO Header UDF 3 - \$UDF\_PO\_HEADER3\$
- PO Header UDF 4 - \$UDF\_PO\_HEADER4\$
- PO Header UDF 5 - \$UDF\_PO\_HEADER5\$
- PO Detail UDF 1 - \$UDF\_PO\_DETAIL1\$
- PO Detail UDF 2 - \$UDF\_PO\_DETAIL2\$
- PO DETAIL UDF 3 - \$UDF\_PO\_DETAIL3\$
- PO DETAIL UDF 4 - \$UDF\_PO\_DETAIL4\$
- PO DETAIL UDF 5 - \$UDF\_PO\_DETAIL5\$
- PO DIST UDF 1 - \$UDF\_PO\_DIST1\$
- PO DIST UDF 2 - \$UDF\_PO\_DIST2\$
- PO DIST UDF 3 - \$UDF\_PO\_DIST3\$
- PO DIST UDF 4 - \$UDF\_PO\_DIST4\$
- PO DIST UDF 5 - \$UDF\_PO\_DIST5\$
- SO\_HEADER1 - \$UDF\_SO\_HEADER1\$
- SO\_HEADER2 - \$UDF\_SO\_HEADER2\$
- SO\_HEADER3 - \$UDF\_SO\_HEADER3\$
- SO\_HEADER4 - \$UDF\_SO\_HEADER4\$
- SO\_HEADER5 - \$UDF\_SO\_HEADER5\$
- SO\_DETAIL1 - \$UDF\_SO\_DETAIL1\$
- SO\_DETAIL2 - \$UDF\_SO\_DETAIL2\$
- SO\_DETAIL3 - \$UDF\_SO\_DETAIL3\$
- SO\_DETAIL4 - \$UDF\_SO\_DETAIL4\$
- SO\_DETAIL5 - \$UDF\_SO\_DETAIL5\$
- WO\_MASTER1 - \$UDF\_WO\_MASTER1\$
- WO\_MASTER2 - \$UDF\_WO\_MASTER2\$
- WO\_MASTER3 - \$UDF\_WO\_MASTER3\$
- WO\_MASTER4 - \$UDF\_WO\_MASTER4\$
- WO\_MASTER5 - \$UDF\_WO\_MASTER5\$
- WO\_MATERIAL1 - \$UDF\_WO\_MATERIAL1\$
- WO\_MATERIAL2 - \$UDF\_WO\_MATERIAL2\$
- WO\_MATERIAL3 - \$UDF\_WO\_MATERIAL3\$
- WO\_MATERIAL4 - \$UDF\_WO\_MATERIAL4\$
- WO\_MATERIAL5 - \$UDF\_WO\_MATERIAL5\$
- INV\_HEADER1 - \$UDF\_INV\_HEADER1\$
- INV\_HEADER2 - \$UDF\_INV\_HEADER2\$
- INV\_HEADER3 - \$UDF\_INV\_HEADER3\$
- INV\_HEADER4 - \$UDF\_INV\_HEADER4\$
- INV\_HEADERS5 - \$UDF\_INV\_HEADER5\$

INV_DETAIL1	-	\$UDF_INV_DETAIL1\$
INV_DETAIL2	-	\$UDF_INV_DETAIL2\$
INV_DETAIL3	-	\$UDF_INV_DETAIL3\$
INV_DETAIL4	-	\$UDF_INV_DETAIL4\$
INV_DETAIL5	-	\$UDF_INV_DETAIL5\$