

**A Guide to**  
**Purchased Materials Bar Code**  
**Label Requirements**

**for**

**Northwire, Inc. Suppliers**

**May 2019**

Date Approved: May 24, 2019

Revision Level: A

# A Guide to Purchased Materials Bar Code Labels

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# What we want (and why)...



- **Bar Coding by our suppliers will provide benefits for everyone:**

- ✓ Reduced Northwire Receiving time = reduced inventory.
- ✓ Increase payment cycle to our suppliers!
- ✓ Reduced Receiving time and errors = more efficient payment process.
- ✓ Bar coded items and locations support FIFO and best use of space.
- ✓ Bar coding helps the Quality group identify problem-items.
- ✓ The ability to print bar coded labels meets requests for
  - coded products by other customers. (ours and yours)

**•All suppliers are required to have systems in place and product labeled in accordance with Northwire requirements no later than May 24, 2019.**

**•Suppliers are free to use *any* make of equipment, provided it can create labels to the Northwire specification**

## What we want: Sample Format Bar Code Label for Shipments to Northwire

- Label Length 6 in. 153 mm.
- Label Height 4 in. 102 mm.
- Plain, white background Black ink throughout
- PO # barcode - 12-pt. Arial font
- Part Description – 18-pt. Arial-Bold font
- “Code 3 of 9” bar codes 0.50 in. high (12.7 mm.)
- Country of Origin – 10-pt. Arial Font)
- Adhesive-backed, mounted on part, container or tie-tags

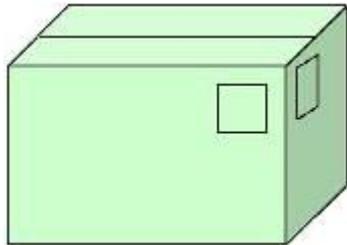
<b>P.O #</b>  356127	<b>Customer Material Number</b>  CMHE-000-005
<b>Line Item</b>  41	<b>EVA UE624000 NAT</b> <b>ULTRATHENE BOX223</b>
<b>Ship Qty</b>  429	<b>Rev.</b>  E
<b>Packing List</b>  710012123	<b>Supplier</b> <i>Name</i>
<b>Date Shipped</b> 01/01/2007	<b>Lot Number</b>  1234567890
<b>Made in Mexico</b>	

## What we want: Data Elements of the Label for Shipments to Northwire

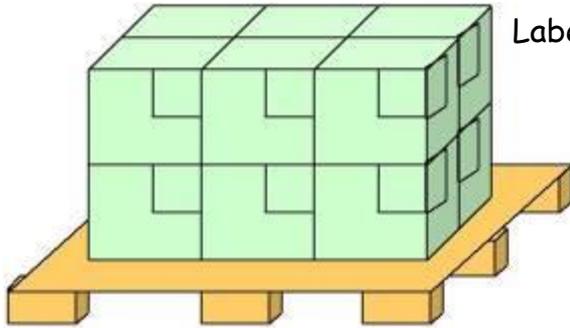
- Northwire Purchase Order Number
- Purchase Order Line number (blank if no line #)
- Package Quantity (number of items in the box, carton or container)
- Date Shipment Made
- Northwire Part Number
- Revision of the part produced (from the NW PO specification)
- Country of Origin where the part was originally produced
- Supplier's Name (You Company Name)

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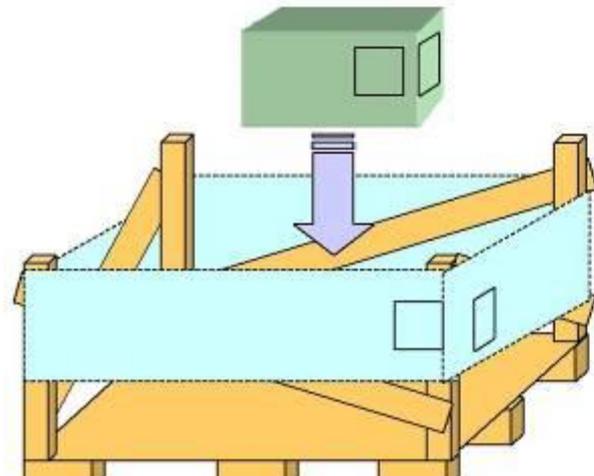
# Where we want it... Bar Code Labeling- Northwire



**Box or Carton**  
2 adjacent sides  
Near top

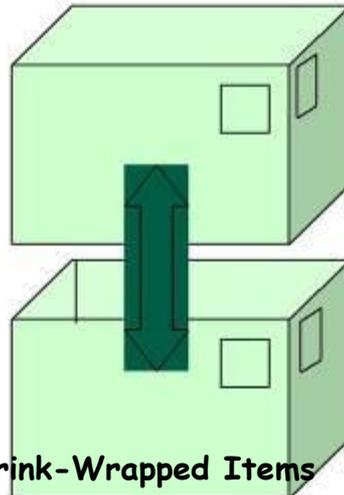


**Palletized Cartons**  
Label all cartons

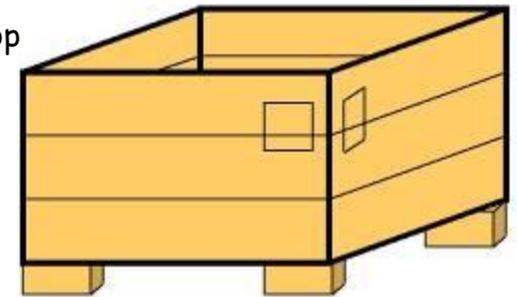


**Shrink-Wrapped Items**  
Labels on interior and  
exterior surfaces

**Telescoping Carton**  
Label both inner & outer



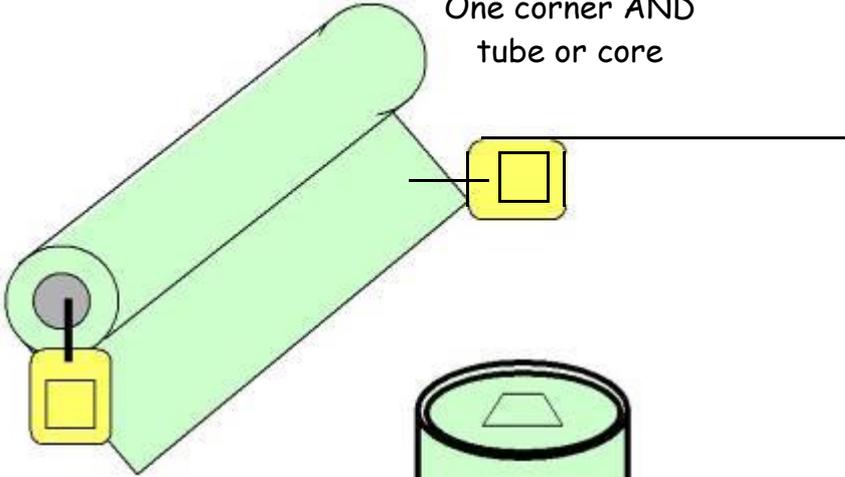
**Pallet Box**  
2 adjacent  
sides near top



# Where we want it... Bar Code Labeling: Northwire

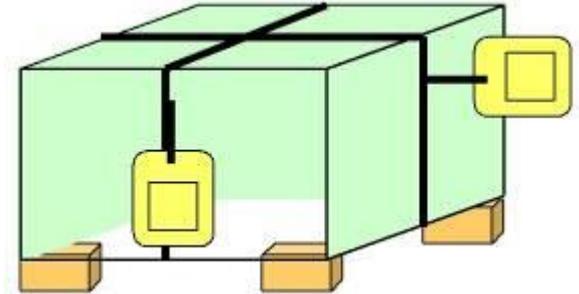
## Roll

One corner AND  
tube or core



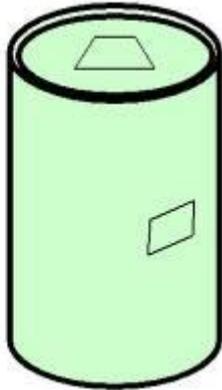
## Stacked Sheets

2 adjacent sides  
near top



## Barrel

Middle of side  
AND top



## Single Piece

Both ends



## What you need to do...

### If you already have a Bar Code Printing System:

- Check that you can create, print and test Northwire labels
- If you can, you're done and can move to "How to proceed"
- If you can't print labels per the specification, decide and act on any needed modifications.



### Don't have a "Bar Code Printing System"? You will need to get one:

- **If you buy the components separately:**
  - ✓ Pick the software first
  - ✓ Pick your printer second considering Northwire label specs
  - ✓ Choose your computer third considering software requirements port for the selected printer and a scanner port.
  - ✓ Select the scanner last (so the connector matches your computer ports)

## How to proceed:

- When you have a label that you feel meets Northwire requirements, please send in 10 sample labels for approval and verification of format and readability to Jeff Cronick, Shipping/Receiving Supervisor at Northwire.
- Northwire will provide approval for you to begin using the labels or will advise any changes required.
- Implementation of Northwire label requirements is to begin with deliveries no later than May 28, 2019.



# Bar Code Label-Printer

- Types of printers include:
- Laser: units are limited to flat-page label stock.
- Thermal-Transfer: accept roll stock & print on all materials.
- Thermal-Direct: use labels with “ink” in the coating that is heat-activated during printing.
- Either of the thermal types are recommended

## Key things to look for:

- ✓ Will it print 4”x6” adhesive-backed labels to spec?
- ✓ Is it supported by your label-printing software?
- ✓ Is there a source of repair and supplies in your area?



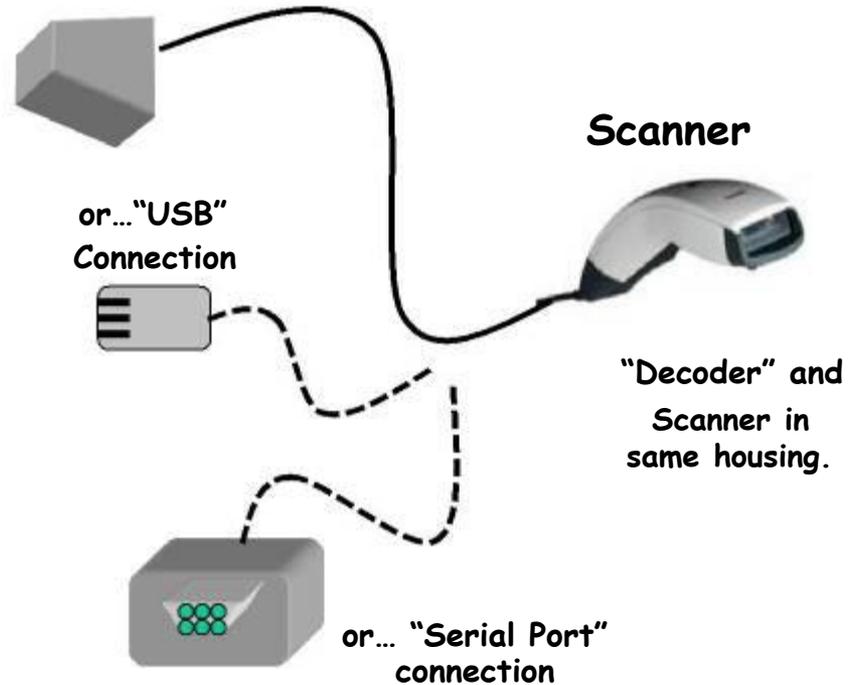
## Reputable label makers include:

- Intermec
- Zebra
- Sato
- Tharo
- Datamax
- Printronix
- RJS
- Tec
- Wasp
- Novexx
- Avery Dennison
- HP

# Bar Code Reader

- Read & test printed labels
- LED & Laser types
- Wand or “Gun” styles
- Wired or RF (wireless) versions
- Wireless (RF) versions are convenient but at a higher cost.
- Laser versions will read labels from greater distances but cost more.

## Keyboard “Wedge”



## Scanner Comparisons

	Wand	CCD	Laser
<b>Cost</b>	\$100	\$389	\$695
<b>Limited on Width of Bar Codes Readability</b>	None	2" - 4.2"	12"
<b>Multiple Tries/Second</b>	No	Yes	Yes
<b>Distance Reading</b>	.2"	0" - 8"	2" - 20"
<b>Irregular Surface Reading Capability</b>	No	Yes	Yes
<b>Moving Parts</b>	No	No	Yes
<b>"Can't Miss Reading" Sure Thing</b>	No	Yes	Yes

- Connection type needed will depend on your computer.
- A “wedge” connects the signal via the keyboard cable circuit.
- Some reputable brands of bar code readers include:
  - Intermec, Worth, Symbol, Zebra & PSC

# Thank you for your support!

## Questions or Comments?

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## Label Approval

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