



LABEL REQUIREMENTS STANDARD (NON-STEEL)

General Notes Regarding All Labels:

CISS.00005

VERSION: 1

01/06/2023

PAGE 1 of 5

BARCODE SYMBOLOGY

ALL BARCODES ARE TO BE:

1D - AIAG STANDARD CODE 128-98mils or higher is preferred.

2D – Data Matrix, with proper header and footer as well as field separators and field prefixes.

DATA IDENTIFIERS – As noted below, these must be included as a prefix in the barcode and must appear within the human readable portion.

QUIET ZONE – Must be maintained at the beginning & ending of each barcode segment.

CHECK DIGITS – Do Not Use

REFLECTIVITY AND CONTRAST – Must meet reflectivity and contrast requirements specified in AIAG-B10, at all electromagnetic wave lengths from B633 to B900 nanometers.

BARCODE SIZE – All must be at least .5 inches in height, not to exceed 3 inches wide.

LABEL LOCATION - Unless otherwise directed by the destination plant's purchasing department, two labels must be affixed to each container - one, on the top right hand corner of the front of the container, and one on the top left corner on the adjacent right side. The entire label must be unobstructed so the barcode areas can be scanned.

LABEL PROTECTION - Label protection against moisture, weathering, abrasion, etc. may be required and is encouraged wherever practical. Clear plastic pouches are one example of possible protection methods. In choosing any protection method, care must be taken to assure that the labels will still meet reflectivity and contrast.

LABEL PURPOSE/USE:

Container Label: Customer Segment of an AIAG Label to be used on a single container holding one or more parts with a single part number.

Master Label: Customer Segment of an AIAG Label to be used on a pallet or similar pack containing multiple single containers each with its own Container Label. All containers must contain the same part number.

Mixed Label: Customer Segment of an AIAG Label to be used on a pallet or similar pack containing multiple single containers each with its own Container Label. Each container contains only one part number, but containers of different part numbers can exist on the same pallet.

General: All fields must fit within the designated block and have sufficient readability.

MANDATORY SEGMENTS

All segments (human readable and barcode) are required unless stated differently in the examples below.

SUPPLIER NUMBER

Human Readable Portion at least .25 inches in height. The destination plant's purchasing department will communicate your number to you. This must match the N1*SU ID in the EDI 830 received.

LINE FEED LOCATION

Human readable Portion: at least .25 inches in height
The line feed information (if required) will be sent to you in the 830.

DATE

Human Readable Portion at least .25 inches in height
Format DDDMMYYYY and can be Manufacturing, *Expiry, Shipment, or Label print date.

MONTH

The Month will be displayed .25 inches in height
Format MMM and will be White on Black (inverted).

PURCHASE ORDER NUMBER

Human readable Portion: at least .25 inches in height
This will be the FNG supplied purchase order number, up to 9 digits.

PART NUMBER

Human readable Portion: at least .25 inches in height
This will be the FNG destination plant's assigned part number. This will be communicated to you on the Purchase Order.

PART QTY

Human readable Portion: at least .25 inches in height
Total quantity of Parts in Container

UNIT OF MEASURE

When the Unit of Measure (UOM) is "piece", notation is not required. Other-wise, note the UOM in the human readable area only. When used, the UOM shall be directly to the right of the human readable quantity and shall be a minimum of 0.2" high. The unit of measure shall not be bar coded.

PART DESCRIPTION

Human Readable Portion at least .25 inches in height
Supplier generated Description for the purposes of documenting manufacturing specific information. This can be alpha/numeric, not to exceed 10 characters. This may be mandatory if required by the receiving party. Usage to be determined by the buyer.

FIELD TYPES

As noted below

LICENSE PLATE (VENDOR SERIAL NUMBER)

Human Readable Portion at least .25 inches in height
The license plate shall be a combination of the Supplier Code (N1*SU) and serial number (REF LS) that is found on the ASN (unique ascending sequential number assigned when the label is printed). The maximum length of the license plate number shall be 30 digits. The serial number must not be repeated within two years.

HEAT TREAT NUMBER / LOT NUMBER

Heat Treat Number, Master Coil Number, or Lot Number – Direction given by local destination plants purchasing department.

CONTAINER LABEL (without FIFO section)
Label Block Sections Shown in Red:

(Note: all contents of a block must fit within the block, and not go over lines into other blocks)

1. **Supplier Information** including name, address, phone number, and part Country of Origin
2. **Customer Information.** Name, address.
3. **2D Barcode** including the information outlined below, with appropriate headers, field separators, field prefixes, footer, etc.
4. **Quantity field**, included in 2D barcode with Q prefix.
5. **Supplier ID (must match N1*SU ID in ASN)**, included in 2D barcode with V prefix.
6. **PO Number**, not included in 2D barcode.
7. **Manufacturing/Packing Date**, not included in 2D barcode. Date in DDMMYYYY format for the of manufacture of product. MMM in reverse. * Expiration date, see note below.
8. **Customer Part Number**, included in 2D barcode P prefix.
9. **Customer Part Description**, not included in 2D barcode.
10. **Line feed**, not included in 2D barcode. If the customer plant requests it then the Line Feed (or storage location) is to be included on the label. This will be transmitted to you in the EDI 830 for each part.
11. **Vendor 'License Plate' number (N1*SU ID in ASN, followed by Supplier defined Serial # - Maximum overall 30 digits)**, included in 1D barcode above the number with 1J prefix. In the 2D barcode, only the Supplier Serial is included, also with the 1J prefix. For example, if N1*SU ID in ASN is 123456789 and your supplier serial is 00555666777, then in this block the text will read 12345678900555666777 and this same number will be in the 1D barcode prefixed by 1J. In the 2D, only the 00555666777 will be presented with the 1J prefix (same serial transmitted in your 856 EDI ASN).
12. **Lot number.** Included in the 2D barcode with 1T prefix only if the part is under LOT control. If LOT control is not needed, the human readable section may contain the Mfg. Date and Time if desired.
13. **Vendor area.** Vendor can put any information they need, including their own serial for scanning purposes, etc. in this area. **Note:** This area may be utilized for Flex-N-Gate directed fields if such fields become a requirement.

FROM: VENTRA PLASTICS KITCHENER
875 TRILLIUM DRIVE
KITCHENER, ONTARIO N2R 1G6
519-895-0290
MADE IN CANADA

TO: VENTRA MISSISSAUGA SPD
2333 NORTH SHERIDAN WAY
MISSISSAUGA, ON
L5K 1A7

QUANTITY: 135 EA
SUPPLIER ID: 256714759C
PO#: 40017
MFG. DATE: 30 JUN 2020

PART NUMBER: 8 CKT4B-R16E166-AEA

DESCRIPTION: CD539 FEM CARRIER
LINE FEED: 6E166

LICENSE PLATE (1J): 256714759C00004579253
LOT #: 12
PART: CKT4B-R16E166-AEA
SERIAL # 00004579253

 date
For
with

Label Size: 4X6
2D Barcode Format: (note only the supplier serial in the 1J section, the DUNs is separate in the V section), see note below if using Expiration date.

>06/1J00555666777*/PCKT4B-17F011-ACLGTA*/Q50*/V123456789*/1T1234567890123456E2*<

Message Header: *>

Format Header: *06

Field Separators: */ (at the beginning of each field before the prefix, including the first field after the header).

Format Trailer: E2*

Message Trailer: <*

***Expiration Dates:** If a product has an expiration date, and the receiving plant requires this info on the container label, the following changes **MUST** be made:

- Section 7 (Date Change):
 - o Date to be replaced with the Expiration date in the same format, instead of using the Manufactured date.
- Section 3 (2D Barcode Change):
 - o 2D barcode must include the Expiration date in the format 5DDMMYYYY (5D is the expiration date prefix. This data must be outside of the Format Trailer (E2*), but inside of the Message Trailer (<*). A field identifier (*/) is not required.
 - o 2D Barcode Format:
 - *>06*/1J00555666777*/PCKT4B-17F011-ACLGTA*/Q50*/V123456789*/1T1234567890123456E2*5D26072021<*

CONTAINER LABEL (with FIFO section)
Label Block Sections Shown in Red:

(Note: all contents of a block must fit within the block, and not go over lines into other blocks)

1. FIFO Information as requested by receiving plant. This could be the Production Week (as pictured) or other FIFO method as requested. Part Country of Origin at the bottom of this section.
2. Customer Information. Name, address.
3. 2D Barcode including the information outlined below, with appropriate headers, field separators, field prefixes, footer, etc.
4. Quantity field, included in 2D barcode with Q prefix.
5. Supplier ID (must match N1*SU ID in ASN), included in 2D barcode with V prefix.
6. PO Number, not included in 2D barcode.
7. Manufacturing/Packing Date, not included in 2D barcode. Date in DDMMYYYY format for the date of manufacture of product. MMM in reverse. * For Expiration date, see note below.
8. Customer Part Number, included in 2D barcode with P prefix.
9. Customer Part Description, not included in 2D barcode.
10. Line feed, not included in 2D barcode. If the customer plant requests it then the Line Feed (or storage location) is to be included on the label. This will be transmitted to you in the EDI 830 for each part.
11. Vendor 'License Plate' number (N1*SU ID in ASN, followed by Supplier defined Serial # - Maximum overall 30 digits), included in 1D barcode above the number with 1J prefix. In the 2D barcode, only the Supplier Serial is included, also with the 1J prefix. For example, if N1*SU ID in ASN is 123456789 and your supplier serial is 00555666777, then in this block the text will read 12345678900555666777 and this same number will be in the 1D barcode prefixed by 1J. In the 2D, only the 00555666777 will be presented with the 1J prefix (same serial transmitted in your 856 EDI ASN).
12. Lot number. Included in the 2D barcode with 1T prefix only if the part is under LOT control. If LOT control is not needed, the human readable section may contain the Mfg. Date and Time if desired.
13. Vendor area. Vendor can put any information they need, including their own serial for scanning purposes, etc. in this area. Note: This area may be utilized for Flex-N-Gate directed fields if such fields become a requirement.
14. Supplier Information including name, address, and phone number.

Label Size: 4X6
2D Barcode Format: (note only the supplier serial in the 1J section, the DUNS is separate in the V section), see note below if using Expiration date.

*>*06*/1J00555666777*/PCKT4B-17F011-ACLGTA*/Q50*/V123456789*/1T1234567890123456E2*<*

Message Header: *>

Format Header: *06

Field Separators: */ (at the beginning of each field before the prefix, including the first field after the header).

Format Trailer: E2*

Message Trailer: <*

***Expiration Dates:** If a product has an expiration date, and the receiving plant requires this info on the container label, the following changes **MUST** be made:

- Section 7 (Date Change):
 - o Date to be replaced with the Expiration date in the same format, instead of using the Manufactured date.
- Section 3 (2D Barcode Change):
 - o 2D barcode must include the Expiration date in the format 5DDMMYYYY (5D is the expiration date prefix. This data must be outside of the Format Trailer (E2*), but inside of the Message Trailer (<*). A field identifier (*/) is not required.
 - o 2D Barcode Format:
 - *>*06*/1J00555666777*/PCKT4B-17F011-ACLGTA*/Q50*/V123456789*/1T1234567890123456E2*5D26072021<*

MASTER LABEL
Label Block Sections Shown in Red:

(Note: all contents of a block must fit within the block, and not go over lines into other blocks)

1. Supplier Information including name, address, phone number, and part Country of Origin
2. Customer Information including name, address.
3. MASTER LABEL identifier at top of the label format.
4. 2D Barcode including the information outlined below, with appropriate headers, field separators, field prefixes, footer, etc.
5. Quantity field, for full quantity of the master (all containers on master), included in 2D barcode with Q prefix.
6. Supplier ID (must match N1*SU ID in ASN), included in 2D barcode with V prefix.
7. PO Number, not included in 2D barcode.
8. Customer Part Number, included in 2D barcode with P prefix.
9. Customer Part Description, not included in 2D barcode.
10. Line feed, not included in 2D barcode. If the customer plant requests it then the Line Feed (or storage location) is to be included on the label. This will be transmitted to you in the EDI 830 for each part.
11. Vendor 'License Plate' number (N1*SU ID in ASN, followed by Supplier defined Serial # - Maximum overall 30 digits), included in 1D barcode above the number with 6J prefix. In the 2D barcode, only the Supplier Serial is included, also with the 6J prefix. For example, if N1*SU ID in ASN is 123456789 and your supplier serial is 00555666777, then in this block the text will read 12345678900555666777 and this same number will be in the 1D barcode prefixed by 6J. In the 2D, only the 00555666777 will be presented with the 6J prefix (same serial transmitted in your 856 EDI ASN).
12. Date (DD/MM/YY or DD/MM/YYYY), not included in 2D barcode. This can be the manufacture or pack date if all containers are the same, or the label date.
13. Vendor area. Vendor can put any information they need, including their own serial for scanning purposes, etc. in this area.
 Note: This area may be utilized for Flex-N-Gate directed fields if such fields become a requirement.

FROM: VENTRA PLASTICS KITCHENER 875 TRILLIUM DRIVE KITCHENER, ONTARIO N2R 1G8 519-896-0290 MADE IN CANADA		To: MASTER LABEL 3 VENTRA MISSISSAUGA SPD 2333 NORTH SHERIDAN WAY MISSISSAUGA, ON L5K 1A7		
QUANTITY: 320 5 EA	SUPPLIER ID: 256714759C 6	PO#: 40017 7		
PART NUMBER: 8 CKT4B-17E898-ACA				
DESCRIPTION: CD539N EA 9		LINE FEED: 7E898 10		
LICENSE PLATE (6J):		DATE (DD/MM/YY): 30/06/20 12		V2#
		256714759C00004579254 11		
PART: CKT4B-17E898-ACA		SERIAL #: 00004579254 13		
				

Label Size: 4X6
2D Barcode Format: (note only the supplier serial in the 6J section, the DUNs is separate in the V section)

*>*06*/6J00123456789*/PC51001*/Q5000*/V123456789E2* < *

Message Header: * >

Format Header: *06

Field Separators: */ (at the beginning of each field before the prefix, including the first field after the header).

Format Trailer: E2*

Message Trailer: < *

MIXED LABEL
Label Block Sections Shown in Red:

(Note: all contents of a block must fit within the block, and not go over lines into other blocks)

1. Supplier Information including name, address, phone number, and part Country of Origin
2. Customer Information including name, address.
3. 2D Barcode including the information outlined below, with appropriate headers, field separators, field prefixes, footer, etc. For the mixed load an additional field included in the but not visually presented on the label is:
 - Supplier Code (must match N1*SU ID ASN) with V prefix.

This should match the same field on the container labels contained within the mixed

4. Part information for items contained within the Mixed Load. Info for each part (up to 4 per Mixed Load) includes Part Number, Total Quantity, Number of Packs, and Quantity per Pack. This info is not included in 2D barcode.
5. Vendor 'License Plate' number (N1*SU ID in ASN, followed by Supplier defined Serial # - Maximum overall 30 digits), included in 1D barcode above the number with 5J prefix. In the 2D barcode, only the Supplier Serial is included, also with the 5J prefix. For example, if N1*SU ID in ASN is 123456789 and your supplier serial is 00555666777, then in this block the text will read 12345678900555666777 and this same number will be in the 1D barcode prefixed by 5J. In the 2D, only the 00555666777 will be presented with the 5J prefix (same serial transmitted in your 856 EDI ASN).
6. MIXED LOAD identifier at bottom of the label format.
7. Date (DD/MM/YY or DD/MM/YYYY), not included in 2D barcode. This can be the manufacture or pack date if all containers are the same, or the label date.
8. Vendor area. Vendor can put any information they need, including their own serial for scanning purposes, etc. in this area. Note: This area may be utilized for Flex-N-Gate directed fields if such fields become a requirement.

FROM: VENTRA PLASTICS KITCHENER 675 TRILLIUM DRIVE KITCHENER, ONTARIO N2R 1G6 519-896-0290		TO: VENTRA MISSISSAUGA SPD 2333 NORTH SHERIDAN WAY MISSISSAUGA, ON L5K 1A7					
MADE IN CANADA		1		2		3	
PART NUMBER CKT4B-R16E166-AEA	TOTAL QTY 405	PART NUMBER CKT4B-278606-ACA	TOTAL QTY 192				
# PACKS 3	QTY/PACK 135	# PACKS 3	QTY/PACK 64				
4		4					
PART NUMBER # PACKS		TOTAL QTY QTY/PACK		PART NUMBER # PACKS		TOTAL QTY QTY/PACK	
4		4					
LICENSE PLATE (5J):		DATE (DD/MM/YY):		30/06/20		VZX	
		5					
256714759C00004579255		8					
SERIAL #: 00004579255							
MIXED LOAD 6							

 2D
in
load.

Label Size: 4X6
2D Barcode Format: (note only the supplier serial in the 5J section, the DUNs is separate in the V section)

*>*06*/5J00123456789*/V123456789E2*<*

Message Header: *>

Format Header: *06

Field Separators: */ (at the beginning of each field before the prefix, including the first field after the header).

Format Trailer: E2*

Message Trailer: <*