GLOBAL SUPPLIER
STANDARD LABEL REQUIREMENTS
Container/Master/Mixed
(DELJIT/EDIFACT / ISO/ANSI)

The Nexteer Automotive *Standard Label Requirements* contain specifications on barcode labels for material shipped to Nexteer Automotive from external suppliers.

Table of Contents:

Preface

The purpose of this document is to clarify Nexteer Automotive's *required* packaging label format, give specific data formats and barcode symbology to Nexteer suppliers, and communicate the acceptable labeling standards expected from Nexteer trading partners. These specifications are needed to allow a Nexteer Automotive prescribed supplier to become compliant with Nexteer label formats and placement requirements.

This is a living document with periodic updates as business processes change within Nexteer Automotive and new technology emerges. All suppliers needing support for any Portal application must email supplier.label@nexteer.com.

Audience:

      A.   Direct suppliers of raw materials, subassemblies, or pre-manufactured goods used in the manufacturing process at Nexteer Automotive without third party packaging partner.*

      B.   Third party packaging partner of a raw materials, subassemblies, or pre-manufactured goods used in the manufacturing process and shipping directly to Nexteer Automotive

*Direct shippers to customers of Nexteer Automotive may not need to comply with this specification. Specific customer labeling requirements take precedence over the Nexteer Automotive requirements.

Nexteer Automotive discourages placing data on its shipping/parts identification label other than described in this specification. However, if state, federal, or country laws are passed which require a supplier to include information such as health, safety, customs, or environmental data to be added to the label, the supplier SHALL notify us of the requirement.

A. Introduction

A.1   Purpose

The *Standard Label Requirements* provides written requirements for the printing and application of standard labels. Suppliers, both internal and external, SHALL use the label formats detailed in this document when shipping to all Nexteer facilities.

The *Standard Label Requirements* is based on the AIAG Standards. Nexteer Automotive decided to minimize the impact of a new label to their suppliers by using a similar format known as the Nexteer Automotive Global Supplier label. Label standards from other customers were also referenced to enhance this document.

In this document, the word '**SHALL**' indicates a requirement and the word '**SHOULD**' indicates a recommendation. These words followed by **'NOT'** will help emphasize the opposite of the statement.

In order to facilitate efficient and effective operations, Nexteer Automotive's labeling requirements SHALL be followed exactly. If there is any concern in meeting these requirements, please contact your representative listed in Appendix C. Failure to comply with these *Standard Label Requirements* could result in issuance of Problem Reporting Resolution (PRR) or Problem Case.

A.2   Hardware and Software

We recommend the use of barcoding software and hardware, which allows flexibility in label generation.

Printers SHALL produce labels that meet Nexteer Automotive specifications and tolerances. Thermal printers and laser printers are strongly recommended. Dot matrix printers SHALL NOT be used as barcoded data can become skewed.

A.3   Sample Label Approval

Suppliers SHALL submit sample labels to their labeling representative indicated in Appendix C prior to changing their label format (supplier.label@nexteer.com). Written approval will be sent from Nexteer Automotive to the supplier once the label format is tested and approved. Please reference Appendix A for a copy of the approval sheet. Not all Nexteer Automotive facilities may use every field on the labels but your label printing application needs to be able to support printing them as required.

A.4   EDI certification

Nexteer Automotive suppliers SHALL become EDI certified. Please reference the Nexteer Automotive Electronic Data Interchange (EDI) Requirements Standard.

B. Normative References

AIAG Trading Partner Labels (B-10)
ISO/ANSI Data Application Identifier Standard
Nexteer Automotive EDI Standards

C. Definitions

Code 128 and 39

> Very high-density barcode symbology used for alphanumeric or numeric-only barcodes. These codes are barcode fonts that vary in length and appearance.

Container Label

> A label used to identify the contents of the container and convey information.

Data Identifier

> A specified character string that defines the specific data that immediately follows as defined by ISO/ANSI MH10.8.2, Data Identifier Guideline.

DUNS number

> DUNS stands for "Data Universal Numbering System." It is a unique nine-digit numbering system that is used to identify a business. For purpose of the shipping labels, it SHALL represent the supplier's manufacturing and ship from location.

Electronic Data Interchange (EDI)

> This is the computer communication of data between trading partners.

Item

> A single part or material purchased, manufactured, and/or distributed.

Label

> A card, strip of paper, etc. marked and attached to an object to convey information.

Label Designer

> Person responsible for designing label format and character heights corresponding to the eight text sizes.

Master Load Label

> A label used to identify and summarize the total contents of a multiple pack of a single part number within the same container. (i.e. pallet of boxes of same material number.)

Mixed Load Label

> A label used to identify the contents of a multiple pack of different part numbers. (i.e. pallet of boxes of differing material numbers.)

PDF417 2D barcode

> PDF417 is a 2d barcode (stacked symbology) used in a variety of applications, primarily transport, identification cards, and inventory management.

Shipping/Parts Identification Label

> A single Container, Master Load, or Mixed Load label used to identify the contents of a shipping pack.

Standard Quantity Pack

> A single container, which contains the same quantity of like items.

D. General Information

D.1. Size and Material

The label medium SHALL be white in color with black printing.

The size of the label SHALL be determined by a combination of the data requirements, size of the container and the printing technology used. For most shipping containers, the acceptable label size is 4.0 inches (101.6mm) high by 6.0 inches (152.4mm) wide, which should handle most conditions.

A smaller alternative sized label of 4.0 inches (101.6mm) wide/high by 2.0 inches (50.8) high/wide SHALL only be used when the container is not large enough to accommodate the larger label. Your Nexteer Automotive customer plant packaging engineer will help determine which label application is appropriate.

Adhesive label medium types can be pressure sensitive or dry gummed as long as adherence to the package substrate is assured and application is wrinkle-free until received at final shipping destination.

D.2. Types of Labels and Packaging

Three types of labels are required by Nexteer Automotive depending on how material is packaged for shipment as described below:

The Container Label (Global Supplier Label) SHALL be used to identify a single pack containing the same part number. It is the most commonly used shipping/parts identification label.

 A Master Load label SHALL be used for containers, pallets, skids, etc., holding more than one single pack of the same part number per divisional requirements. Each individual package SHALL contain a container label within the outer package.

A Mixed Load label is used for containers, pallets, skids, etc., holding more than one single pack of different part numbers. This label may be required based on specific Nexteer Automotive requirements. Each individual package SHALL contain a container label within the outer package.

D.2.1 Packaging and Label Placement

There are two types of packaging covered in this document; outer packages and inner packages. Inner packaging will utilize individual container labels while outer packages will utilize Master Load and Mixed Load labels. An outer package is any container that contains multiple packages of single materials. Inner packages are the smallest shippable packaged units of a material. Examples are pallets (outer packages) of boxes (inner container), bins (outer packages) of bags (inner packages), etc.
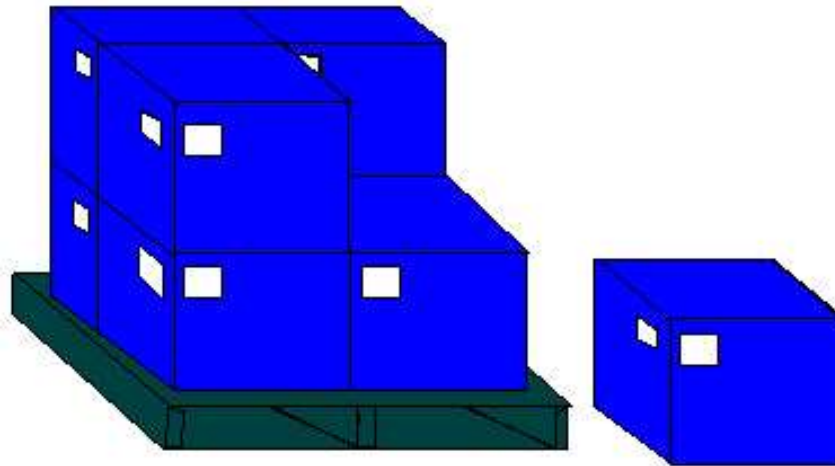
Figure 1 Group of packages with container labels and a single package labeled only with container labels. Pallet is not ready for shipment.
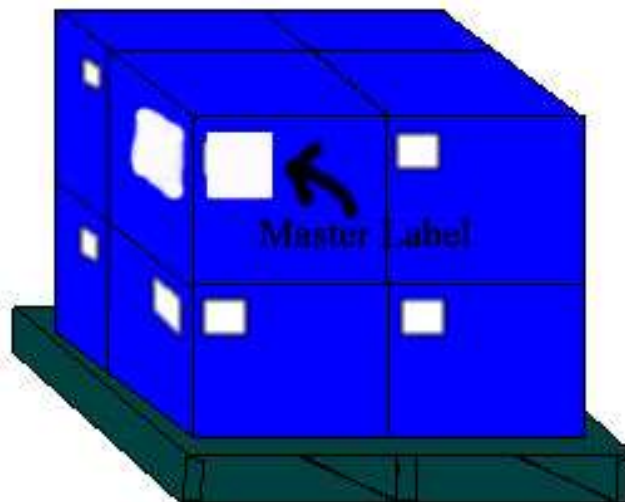
Figure 2 Pallet with Master Load labels attached on shrink wrap, ready for shipment. Notice the container labels on each individual inner package.

Two (2) labels should be attached to either inner or outer packages on adjacent sides or opposite sides depending on packaging.

D.3 General Label Format

For the most part the label formats for the container label, and Master Load label are similar. The exception is that some data may exist on one label type but not the other. Also, the Master Load label has wording at the bottom of the label to identify it as a Master Load label. The following identifies the data blocks for the container and Master Load labels.

Block A1	Block A2	2D Barcode
Block B1		Block B2
Block C1	Block C2	
Block D1	Block D2	
Block E1	Block E2	

Sample Master Load wording:

MASTER LOAD

Additional label type may be required for Mix loaded material. These are described below:

Mixed Load label format can be used for identification of materials of differing part numbers loaded within the confines of the same container or pallet. These can be of the same or differing quantities.

On smaller packaging where the lid of the container covers the complete lower portion of the container, it will also be necessary to apply an additional label to the inner end of the container so that the material can still be identified when the lid is discarded.

The Mixed Load label format is significantly different to allow for more part data. The following identifies the data blocks for the Mixed Load label.

D.4 Text (Human readable) Information

Generally speaking, you should try to make the human readable characters as large as possible to fit the given space keeping in mind the maximum number of characters a field would have to represent. Fields SHALL NOT at any time overlap. You should avoid printing characters too high and narrow that they are difficult to read.

The typeface SHALL be in ARIAL, HELVETICA or equivalent.

Approximate Font and Measurements of Human Readable Text			
Label Field Name	Font Point Equivalent	Height (Inches)	Height (Millimeters)
Supplier Ship From Address:	9	0.125	3.167
P.O. Number	9	0.125	3.167
Country of Origin: CoO	9	0.125	3.167
Customer Ship To Address:	9	0.125	3.167
Customer Part Number / Rev. Level	33	0.459	11.667
Plant/Dock	26	0.367	9.333
Quantity	16	0.23	5.833
Lot Number	16	0.23	5.833
Serial Number	16	0.23	5.833
Kanban	16	0.23	5.833
MFG DUNS	16	0.23	5.833
SHP DUNS	16	0.23	5.833
Part Description(DESC):	16	0.23	5.833
Manufacture Date (MFG. DATE :)	9	0.125	3.167
Print Date (PRT. DATE :)	9	0.125	3.167
Expiration Date (EXP. DATE :)	9	0.125	3.167
Heat / FID Number	9	0.125	3.167

Note: *Based on label width of 6.0 inches and block height of 1 inch, specific font size will depend on the capability of the suppliers' printer and software*

D.5   Barcode Information and Symbology

For the 6.0 inch wide by 4.0 inch high label and in accordance with the current Global Supplier Shipping Label Specs, the barcode symbology used SHALL be Code 39 and Code 128.

Because the Nexteer Automotive part number could reach a maximum length of 15 characters and the physical space on the label for the Lot Number field, Code 128 SHALL be utilized. Use of Code 128 allows for the proper quiet zone (see D.5.7).
For the smaller labels mentioned previously in D1, Code 128 SHALL be used for all barcoded fields. **All labels SHALL contain a PDF 417 2D Barcode.**

D.5.1 Code Configuration

The four characters **($, /, +, %)** SHALL NOT be used on the Shipping/Part Identification Labels. Suppliers SHALL NOT include spaces in barcode fields unless Nexteer Automotive passes the data to you with embedded spaces.

D.5.2 Check Digits

For code 39 or code 128, the check digits SHALL NOT be added to the barcodes or human readable interpretation.

D.5.3 Code Density and Dimensions

This standard requires that the barcode meets a minimum height and that the bars and spaces maintain specific sizes and rations. Acceptable (100%) scanner read rates also require that quiet zones and gap widths be a specific size.

D.5.4 Barcode Height

For the larger 6.0 x 4.0 inch labels, the bar height SHALL be a minimum of 0.25 inches (6mm) unless otherwise noted. For the smaller 4.0 x 2.0 inch labels, the bar height SHALL be a minimum of 0.25 inches (6mm).

D.5.5 Narrow Elements

The bars and spaces in a symbol are called elements. For each barcode 39 symbol, the narrow element width (known as the X dimension) SHALL be within the range of 0.013 to 0.017 inches (0.33 to 0.43 mm).

D.5.6 Wide to Narrow Element Ratio

The ratio for code 39 of the average width of the wide elements to the average width of the narrow elements SHALL be 3:1, with an allowable range of 2.8:1 to 3.2:1.

D.5.7 Quiet Zone

For optimum scanning, a symbol's leading and trailing clear area known as the quiet zone SHALL be at least 0.25inches (6.4mm). Bar code SHALL NOT touch or contact the label box gridlines.

D.5.8 PDF 417 – 2D Barcode information

The following characters are used in the 2D barcode. They help determine the beginning and ending of data streams and data fields.

DESCRIPTION	ASCII/ISO 646 CHARACTER	DECIMAL VALUE	HEX VALUE
Right bracket	[	91	5B
Left parenthesis	)	41	29
Greater than sign	>	62	3E
Group separator	^{G}S (Non Printable)	29	1D
Record separator	^{R}S (Non Printable)	30	1E
End of transmit	^{E}O$_T$ (Non Printable)	04	04

Each 2D label must start with the Message and Format Header (Note – the "06" is a static number and does not change if Plant location changes):

[)>^{R}s06

Each field must start with the group separator before the data identifier:

^{G}sP38008063

Each 2D label must end with the record separator and message trailer:

^{R}s ^{E}O$_T$

The Mixed Load label requires that a record separator and format header be used for each block of part data (tote). In the following example the part number, rev level, PO and quantity make up the block of part data:

[)>^{R}s06^{G}sP38008063^{G}s2P003D^{G}sK90I7134^{G}sQ1536^{R}s06^{G}sP38030205^{G}s2P004B^{G}sK90I8539^{G}sQ400 ^{R}s06^{G}s21L66^{G}sU005356878^{G}sD150217^{G}s5S525604964 ^{R}s^{E}O$_T$

Note: Using additional barcode symbols on shipping packages is discouraged but may be appropriate in certain circumstances.

D.5.9 Use of Data Identifiers

A data identifier is one or more characters that define a general category type or specific use of barcoded data. **The barcoded field SHALL start with the data identifier and will identify the type of information encoded in that symbol.** Care must be taken that the barcoded data has the proper data identifier.

The data identifier SHALL be printed in human readable characters in parentheses under the title for the appropriate data area.

The data identifier SHALL NOT be included in the human readable interpretation of the barcode symbol.

All lengths specified in the following sections do not include the data identifier within the barcoded fields.

D.5.10 Barcode Data Fields

The data fields that are used in the barcodes on the container label, Master Load label, and Mixed Load label are identified in the table below.
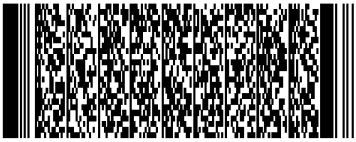
BARCODE DATA FIELDS					CONTAINER LABEL		MASTER LOAD LABEL		MIXED LOAD LABEL	
Description	How Provided in EDIFACT	How Provided in ISO/ANSI	Data Identifier	Data Length	Linear Barcode	2D Barcode	Linear Barcode	2D Barcode	Linear Barcode	2D Barcode
Part Number	EDI – LIN*IN	EDI – LIN*BP	P	15-Aug	Required	Required	Required	Required	Not used	Required
Revision Level (Rev Level)	Drawing/P.O.	Drawing/P.O.	2P	0-4	Required	Required	Required	Required	Not used	Required
Quantity	EDI – QTY	EDI – QTY	Q	6-Jan	Required	Required	Required	Required	Not used	Required
Serial Number (Container)	Supplier	Supplier	3S	10-Jun	Required	Required	Not used	Not used	Not used	Not used
Serial Number (Master)	Supplier	Supplier	4S	10-Jun	Not used	Not used	Required	Required	Not used	Not used
Serial Number (Mixed)	Supplier	Supplier	5S	10-Jun	Not used	Not used	Not used	Not used	Required	Required
Unit Of Measure	EDI – QTY	EDI – QTY	M	3-Feb	Not used	Required	Not used	Required	Not used	Not used
Purchase Order Number	EDI – RFF*ON	EDI – LIN*PO	K	12-Jun	Not used	Required	Not used	Required	Not used	Required
Lot Number	Supplier	Supplier	1T	0-10	**As Directed	**As Directed	Not used	Not used	Not used	Not used
KANBAN Number	EDI – GIN*AL	EDI – REF	15K	0-6	Required	Required	Not used	Not used	Not used	Not used
MFG DUNS	Supplier	Supplier	V	9	Not used	Required	Not used	Required	Not used	Not used
SHP DUNS	Supplier	Supplier	U	9	Not used	Required	Not used	Required	Not used	Required
Plant / Dock	EDI – PCI*12Z	EDI – 12Z	21L	0-6	Not used	Required	Not used	Required	Not used	Required
Manufacture Date (YYMMDD)	Supplier	Supplier	D	6	Not used	Required	Not used	Not used	Not used	Not used
Print Date (YYMMDD)	Supplier	Supplier	D	6	Not used	Not used	Not used	Required	Not used	Required
Expiration Date (YYMMDD)	Supplier	Supplier	5D	6	Not used	As Directed	Not used	Not used	Not used	Not used
Heat / FID Number*	Supplier	Supplier	AP	0-10	Not used	As Directed	Not used	Not used	Not used	Not used

*Reserved for future use.
**See section E.4.5 (page 18) for further clarification.

Note: Fields sent through EDI that are required and are blank, would still have the field identifiers in the barcodes with the field being blank.

SAMPLE LABEL:

FROM: NEXTEER AUTOMOTIVE Bay City, MI 48706 PO NO: 20199002 MADE IN UNITED STATES	TO: NEXTEER BRAZIL RUA GIUSEPPE MANDELLI, 118 PORTO ALLEGRE, RS 90200 − 295	

2D Barcode

PART NO: (P) **38216539**	REV LEVEL: (2P) **005**	PLANT / DOCK: **DLV**

QUANTITY: (Q) **1000 PC**	LOT NO: (1T) **1234567890**

Linear Barcode

SERIAL NO: (3S) **32162137**	KANBAN: (15K) **123456**

Linear Barcode

MFG DUNS: 005356878   SHP DUNS: 005356878
DESC: BAR, TORSION   MFG. DATE: 220429
                                                    (YYMMDD)
HEAT /FID #:   EXP. DATE:
                                                    (YYMMDD)

UPDATES & CLARIFICATIONS:

FROM: NEXTEER AUTOMOTIVE Bay City, MI 48706 PO NO: 20199002 MADE IN UNITED STATES	TO: NEXTEER BRAZIL RUA GIUSEPPE MANDELLI, 118 PORTO ALLEGRE, RS 90200 − 295	

DLOC Removed

PART NO: (P) **38216539**	REV LEVEL: (2P) **005**	PLANT / DOCK: **DLV**

QUANTITY: (Q) **1000 PC**	LOT NO: (1T) **1234567890**

SERIAL NO: (3S) **32162137**	KANBAN: (15K) **123456**

Title Change

Title Change

MFG DUNS: 005356878   SHP DUNS: 005356878
DESC: BAR, TORSION   MFG. DATE: 220429
                                                    (YYMMDD)
HEAT /FID #:   EXP. DATE:
                                                    (YYMMDD)

New Fields (as directed)

New Fields (as directed)

E. Container Label

The purpose of this label is packaging identification allowing for some scan-able fields for data collection purposes at its' final destination. This label is used as the smallest shippable packaging unit (inner package) used to ship a single material number.

E.1 Required Data Areas and Titles

Shown are the required data fields for a container label and where they can be located:

- Supplier Location's Address – Supplier (PO vendor location)
- Purchase Order – EDI DELJIT Segment RFF*ON / ISO/ANSI 830 Segment LIN*PO
- Country of Origin – Supplier
- Plant Address Line 1 (Plant Name/#) / Final destination of material – EDI DELJIT Segment NAD+ST / ISO/ANSI 862 Segment 13Z
- Plant Address Line 2 (City,State,Zip) / Final destination of material – EDI DELJIT Segment NAD+ST / ISO/ANSI 862 Segment 14Z
- Part Number – EDI DELJIT Segment LIN*IN / ISO/ANSI 862 Segment LIN*BP
- Revision Level/ Engineering Change – Drawing/PO
- Plant/Dock – EDI DELJIT Segment PCI*12Z / ISO/ANSI 862 Segment 12Z
- Quantity – EDI DELJIT Segment QTY / ISO/ANSI 862 Segment QTY
- Unit of Measure – EDI DELJIT Segment QTY/ ISO/ANSI 862 Segment UIT
- Lot Number – Supplier
- Container Serial Number (3S) – Supplier
- Kanban – EDI DELJIT Segment GIN*AL / ISO/ANSI 862 Segment REF KB
- Manufacture DUNS – Supplier
- Ship from DUNS – Supplier
- Manufacturing Date (YY\MM\DD) – Supplier
- Expiration Date* (YY\MM\DD) – Stated on an associated purchase specification and/or engineering drawing
- Part Description – EDI DELJIT Segment PCI*17Z / ISO/ANSI 862 Segment PKG*17Z
- Heat Number *– Stated on an associated purchase specification, engineering drawing, or traceability requirement.
- FID Number* – Formatted and reserved for future use. Data is not required to be filled in this field on the current label.

The "Supplier Free Space" area can be used for any additional data determined by the supplier.

For fields such as Expiration Date, Heat/FID #, Kanban, Lot Number, or DLOC, if there is not data being transmitted to you via EDI or other accessible documents, we ask that you still populate the titles on the visual label in human readable form as well as populating the data identifiers in the 2D barcode for future use. You will leave these fields clear of data and not fill them with mock data.

E.2   Use of Data Identifiers

Click to see section on Use of Data Identifiers

E.3   Human Readable Text Font Sizes and Type Faces

Click to see section on Information on human readable text

E.4   Data Area Characteristics (Container Label)

Block A1	Block A2	2D Barcode
Block B1		Block B2
Block C1	Block C2	
Block D1	Block D2	
Block E1	Block E2	

FROM:
NEXTEER AUTOMOTIVE
Bay City, MI 48706

PO NO: 20199002

MADE IN UNITED STATES

TO:
NEXTEER BRAZIL
RUA GIUSEPPE MANDELLI, 118
PORTO ALLEGRE, RS 90200 – 295

PART NO:
(P)   **38216539**

REV LEVEL:
(2P)   **005**

PLANT /
DOCK: **DLV**

QUANTITY:
(Q)   **1000   PC**

LOT NO:
(1T)   **1234567890**

SERIAL NO:
(3S)   **32162137**

KANBAN:
(15K)   **123456**

MFG DUNS: 005356878   SHP DUNS: 005356878
DESC: BAR, TORSION   MFG. DATE: 220429
                                                            (YYMMDD)
HEAT /FID #:   EXP. DATE:
                                                            (YYMMDD)

Figure 3 Container Label Standard Sample

E.4.1 Block A1 – Supplier Information:
FROM: Supplier Name, Supplier City, State, Zip, Purchase Order (K), Country of Origin

All text fields within this block should be written in 9 point font (approximate). Approximate measurements for the font height are: 0.125 Inches or 3.167 Millimeters. Purchase Order Number (K) can be found in EDI DELJIT Segment RFF*ON / ISO/ANSI 830 Segment LIN*PO. The characters "MADE IN" should appear before the country name. Supplier name and address should be the location in which the PO is received. The visual appearing address will be the PO vendor's location.

E.2.1 Block A2 – Nexteer Plant Information / PDF 417 2D Barcode: TO: Plant Name, Plant City, State, Zip, and DLOC (20L)*

All text fields within this block should be written in 9 point font (approximate). Approximate measurements for the font height are: 0.125 Inches or 3.167 Millimeters.

PDF 417 2D barcode will be located within the right portion of this designated block. D.5.8 and D.5.10 SHALL be referenced for 2D barcode formation. E.2.10 SHALL be referenced for the 2D data code stream requirements.

E.4.2 Block B1 – PART NUMBER CUST (P) & REVISION LEVEL (2P)

The Part Number SHALL be the Nexteer Automotive Part Number. The data SHALL be **bold**. The Nexteer Automotive Part Number has a minimum length of four (4) and maximum length of fifteen (15) alphanumeric characters. The Revision Level / Engineering change number has a maximum length of four (4) alphanumeric characters. The human readable Part Number & Revision Level characters SHALL be **bold**, printed in approximately 33 point font, and printed separately.

The linear barcode symbol for the Part Number & Revision Level SHALL be directly below the human readable characters, SHALL be a minimum of .25 Inches high (6 Millimeters), and SHALL contain the Part Number data identifier (P), Part Number data, Revision Level data identifier (2P), and Revision Level data in one linear barcode.

E.4.3 Block B2 – PLANT/DOCK (21L)

The Plant and Dock designation SHALL be **bold** and approximately 26 point font (0.376", 9.333 mm), with a maximum length of six (6) characters. The data comes from the EDI DELJIT Segment PCI*12Z / ISO/ANSI 862 Segment 12Z.

E.4.4 Block C1 – QUANTITY (Q) & UNIT OF MEASURE (M)

The maximum length for the Quantity field is six (6) numeric characters. The human read-able quantity characters SHALL be **bold** and approximately 16 point font (0.23", 5.833 mm).

The linear barcode symbol for the Quantity SHALL be directly below the human readable characters, SHALL be a minimum of .25 Inches high (6 Millimeters), and SHALL contain the data identifier (Q) at the beginning of the linear barcode followed by quantity data.

The maximum length for the Unit of Measure (M) is three (3) characters. The human read-able quantity characters SHALL be **bold** and approximately 16 point font (0.23", 5.833 mm). Unit of Measure is assumed to be PCS for pieces. The Quantity and Unit of Measure for other types of commodities will be transmitted to the supplier in the EDI DELJIT Segment QTY / ISO/ANSI 862 Segment QTY.

E.4.5 Block C2 – LOT NUMBER (1T)

Lot Number is required for all critical components, as defined by Nexteer Supplier Requirements Section 4.6 Product Traceability. Lot Number is optional for all other parts. Lot Number is a supplier assigned lot control number. Format is at the supplier's discretion. If used, the human readable SHALL be **bold** and approximately 16 point font (0.23", 5.833 mm).

The linear barcode symbol for the Lot Number SHALL be directly below the human readable characters, SHALL be a minimum of .25 Inches high (6 Millimeters), and SHALL contain the data identifier (1T) at the beginning of the linear barcode.

E.4.6 Block D1 – CONTAINER SERIAL NUMBER (3S)

Each shipping container or pack SHALL have a unique number called a Container Serial Number (3S). This number is assigned by the supplier, not Nexteer Automotive, and does not necessarily need to be in sequential order. This unique number helps link the barcode data on the labels to EDI/ASN for traceability. The Serial Number SHALL NOT be repeated to Nexteer Automotive on another label within a twelve-month period.

The Serial Number has a maximum length of ten (10) minimum of six (6) alphanumeric characters and Data Identifier (3S) on the container label. The human readable Serial Number characters SHALL be **bold** and approximately 16 point font (0.23", 5.833 mm).

The linear barcode symbol for the Serial Number SHALL be directly below the human readable characters, SHALL be a minimum of .25 Inches high (6 Millimeters), and SHALL contain the data identifier (3S) at the beginning of the linear barcode.

E.4.7 Block D2 – KANBAN (15K)

This section of data varies. In the case of Kanban Number if included in EDI transmission to supplier, the Kanban Number and the corresponding barcode with the correct field title and data identifier (15K), should be in this area. The data comes from the EDI DELJIT Segment GIN*AL / ISO/ANSI 862 Segment REF KB. The human readable Kanban characters SHALL be **bold** and approximately 16 point font (0.23", 5.833 mm).

The linear barcode symbol for the Kanban SHALL be directly below the human readable characters, SHALL be a minimum of .25 Inches high (6 Millimeters), and SHALL contain the data identifier (15K) at the beginning of the linear barcode.

E.4.8 Block E1 – SUPPLIER FREE SPACE

Population of this block is left to the discretion of the supplier.

E.4.9 Block E2 – Supplier Information
Supplier Manufacture DUNS location number (V), Ship from DUNS location number (U), Part Description (DESC), Manufacture Date (D), Heat/FID Number (AP), and Expiration Date (5D)

Manufacture DUNS and Ship from DUNS number fields as recognized by Nexteer Automotive have a maximum length of nine (9) digits each. The headings "MFG DUNS" and "SHP DUNS" SHALL be **bold** and approximately 9 point font (0.125", 3.167 mm). Ship from DUNS is where the Nexteer Carrier picks up the material so they can transport it and deliver it to Nexteer. Manufacture DUNS is where the part is manufactured.

Part Description has a maximum length of twenty (20) characters with the heading "DESC.", and SHALL be **bold** and approximately 9 point font (0.125", 3.167 mm). Data for this field can be pulled from EDI DELJIT Segment PCI*17Z / ISO/ANSI 862 Segment PKG*17Z and should be in alphabetical text.

Manufacture Date SHALL be formatted as YY/MM/DD with the heading "MFG. DATE:" at approximately 9 point font (0.125", 3.167 mm). The data identifier for the date is (D) in the 2D barcode. Include the forward slash "/" marks on the visual label in human readable form, but remove the forward slash "/" marks in the 2D barcode to read "D140610".

Heat Number is required on the label when stated on an associated purchase specification, engineering drawing, or traceability requirement. The human readable Heat Number characters SHALL be **bold** and approximately 9 point font (0.125", 3.167 mm).

FID Number has been formatted and reserved for future use. Data is not required to be filled in this field on the current label.

Expiration date is required on label when stated on an associated purchase specification and/or engineering drawing (typically oil, grease and gap fillers, adhesive, or other materials that have a shelf life). Expiration Date SHALL be formatted as YY/MM/DD with the heading "EXP. DATE:" at approximately 9 point font (0.125", 3.167 mm). The data identifier for the expiration date is (5D) in the 2D barcode. Include the forward slash "/" marks on the visual label in human readable form, but remove the forward slash "/" marks in the 2D barcode to read "5D150606".

E.4.10 2D Barcode Data Stream

FROM: NEXTEER AUTOMOTIVE Bay City, MI 48706 PO NO: 20199002 **MADE IN UNITED STATES**	TO: NEXTEER BRAZIL RUA GIUSEPPE MANDELLI, 118 PORTO ALLEGRE, RS 90200−295	

PART NO: (P) **38216539**	REV LEVEL: (2P) **005**	PLANT / DOCK: **DLV**

QUANTITY: (Q) **1000 PC**	LOT NO: (1T) **1234567890**

SERIAL NO: (3S) **32162137**	KANBAN: (15K) **123456**

	MFG DUNS: 005356878 SHP DUNS: 005356878
	DESC: BAR, TORSION MFG. DATE: 220429 (YYMMDD)
	HEAT /FID #: EXP. DATE: (YYMMDD)

The 2D barcode of the sample label above has the following data stream:

[)>^R_S 06 ^G_SP38008063 ^G_S 2P003D ^G_S Q1536 ^G_S 1TM10492003 ^G_S 3S52560478 ^G_S V527742743 ^G_S K90I7134 ^G_S 15K110608 ^G_S 21L66 ^G_S D150217 ^G_S MPCS ^G_S U005356878 ^G_S 5D160310 ^G_S AP2233445 ^R_S $^E_{OT}$

E.5 Alternate 4.0 inch x 2.0 inch Container label

VERTICAL

HORIZONTAL

The bar height SHALL be a minimum of 0.25 inches (6 mm). Barcode symbology SHALL be Code 128 or 39. Maintain quiet zones to 0.25 inches. Human readable fields should be sized appropriately in order for the data to fit the label.

Your Nexteer Automotive packaging engineer will help you in determining which containers are appropriate for the above sized labels.

E.6   Electronic Data Interchange (EDI) Coordination

When EDI is used in conjunction with the Shipping/Parts Identification Label, the data areas SHALL be coordinated. The barcode data on the label must be consistent with the transmitted ASN (Advance Ship Notice) data sent to Nexteer Automotive.

F. Master Load Label – Multiple Single Packs of Same Part Numbers

A Master Load label SHALL be used to identify the total contents of a multiple pack load of the same part number. If the multiple common items loaded are in a closed container, the container SHALL bear a label identifying the receiving facility and delivery location.
Each individual container of the multiple pack SHALL be identified with a container label.

F.1   Required Data Elements

Shown are the required data fields for a Master Load label:

- --- Supplier Location's Address – Supplier (PO vendor location)
- --- Purchase Order – EDI DELJIT Segment RFF*ON / ISO/ANSI 830 Segment LIN*PO
- --- Country of Origin – Supplier
- --- Plant Address Line 1 (Plant Name/#) / Final destination of material – EDI DELJIT Segment NAD+ST / ISO/ANSI 862 Segment 13Z
- --- Plant Address Line 2 (City,State,Zip) / Final destination of material – EDI DELJIT Segment NAD+ST /   ISO/ANSI 862 Segment 14Z
- --- Part Number –EDI DELJIT Segment LIN*IN/ISO/ANSI 862 Segment LIN*BP
- --- Revision Level/ Engineering Change – Drawing/PO
- --- Plant/Dock – EDI DELJIT Segment PCI*12Z / ISO/ANSI 862 Segment 12Z
- --- Quantity - EDI DELJIT Segment QTY / ISO/ANSI 862 Segment QTY
- --- Unit of Measure – EDI DELJIT Segment QTY/ ISO/ANSI 862 Segment UIT
- --- Master Load Serial Number (4S) – Supplier
- --- Manufacture DUNS number – Supplier
- --- Ship from DUNS supplier ship from location number – Supplier
- --- Print Date (YYMM DD) – Supplier
- --- Part Description – EDI DELJIT Segment PCI*17Z / ISO/ANSI 862 Segment PKG*17Z

The "Supplier Free Space" area can be used for any additional data determined by the supplier.

F.2   Use of Data Identifiers

Click to see section on Use of Data Identifiers

F.3   Human Readable Text Font Sizes and Type Faces

Click to see section on Information on human readable text

F.4   Data Area Characteristics (Master Load Label)

Block A1	Block A2	2D Barcode
Block B1		Block B2
Block C1	Block C2	
Block D1	Block D2	
Block E1	Block E2	

MASTER LOAD

FROM:
NEXTEER AUTOMOTIVE
SUZHOU 100 CHINA 215126

PO NO: 90I7134

MADE IN CHINA

TO:
NEXTEER STEERING MEX
EL MARQUES QRO, MX 76246

PART NO:
(P) **38008063**

REV LEVEL:
(2P) **003D**

PLANT /
DOCK:
66

QUANTITY:
(Q) **4608   PCS**

SERIAL NO:
(4S) **55017312**

MFG DUNS: 527742743
DESC: PLUG, ASM

SHP DUNS: 005356878
PRT. DATE: 21/06/07
(YY/MM/DD)

MASTER LOAD

Figure 4: Master Load label format

F.4.1 Block A1 – Supplier Information:
FROM: Supplier Name, Supplier City, State, Zip, Purchase Order (K), Country of Origin

All text fields within this block should be written in 9 point font (approximate). Approximate measurements for the font height are: 0.125 Inches or 3.167 Millimeters. Purchase Order Number (K) can be found in EDI DELJIT Segment RFF*ON / ISO/ANSI 830 Segment LIN*PO. The characters "MADE IN" should appear before the country name. Supplier name and address should be the location in which the PO is received. The visual appearing address will be the PO vendor's location.

F.4.2 Block A2– Nexteer Plant Information / PDF 417 2D Barcode:
TO: Plant Name, Plant City, State, Zip, and DLOC (20L)*

All text fields within this block should be written in 9 point font (approximate). Approximate measurements for the font height are: 0.125 Inches or 3.167 Millimeters.

PDF 417 2D barcode will be located within the right portion of this designated block. D.5.8 and D.5.10 SHALL be referenced for 2D barcode formation. F.4.11 SHALL be referenced for the 2D data code stream requirements.

F.4.3 Block B1 – PART NUMBER CUST (P) & REVISION LEVEL (2P)

The Part Number SHALL be the Nexteer Automotive Part Number. The data SHALL be **bold**.

The Nexteer Automotive Part Number has a minimum length of four (4) and maximum length of fifteen (15) alphanumeric characters. The Revision Level / Engineering change number has a maximum length of four (4) alphanumeric characters. The human readable Part Number & Revision Level characters SHALL be **bold**, printed in approximately 33 point font, and printed separately.

The linear barcode symbol for the Part Number & Revision Level SHALL be directly below the human readable characters, SHALL be a minimum of .25 Inches high (6 Millimeters), and SHALL contain the Part Number data identifier (P), Part Number data, Revision Level data identifier (2P), and Revision Level data in one linear barcode.

F.4.4 Block B2 – PLANT/DOCK (21L)

The Plant and Dock designation SHALL be **bold** and approximately 26 point font (0.376", 9.333 mm), with a maximum length of six (6) characters. The data comes from the EDI DELJIT Segment PCI*12Z / ISO/ANSI 862 Segment 12Z.

F.4.5 Block C1 – QUANTITY (Q) & UNIT OF MEASURE (M)

The maximum length for the Quantity field is six (6) numeric characters. The human read-able quantity characters SHALL be **bold** and approximately 16 point font (0.23", 5.833 mm).

The linear barcode symbol for the Quantity SHALL be directly below the human readable characters, SHALL be a minimum of .25 Inches high (6 Millimeters), and SHALL contain the data identifier (Q) at the beginning of the linear barcode followed by quantity data.

The maximum length for the Unit of Measure (M) is three (3) characters. The human read-able quantity characters SHALL be **bold** and approximately 16 point font (0.23", 5.833 mm). Unit of Measure is assumed to be PCS for pieces.

The Quantity and Unit of Measure for other types of commodities will be transmitted to the supplier in the EDI DELJIT Segment QTY / ISO/ANSI 862 Segment QTY.

F.4.6 Block C2 – Blank

Leave this field blank on the Master Load label.

F.4.7 Block D1 – MASTER LOAD SERIAL NUMBER (4S)

Each shipping container SHALL have a unique number called a Container Serial Number (3S) and each Master Load pallet or skid SHALL contain a Master Load Serial Number (4S). These numbers are assigned by the supplier, not Nexteer Automotive, and do not necessarily need to be in sequential order. These unique numbers help link the barcode data on the labels to EDI/ASN for traceability.

The Serial Numbers SHALL NOT be repeated to Nexteer Automotive on another label within a twelve-month period.

The Master Load Serial Number has a maximum length of ten (10), minimum of six (6) alphanumeric characters and Data Identifier (4S). The human readable Serial Number characters SHALL be bold and approximately 16 point font (0.23", 5.833 mm).

The linear barcode symbol for the Master Load Serial Number SHALL be directly below the human readable characters, SHALL be a minimum of .25 Inches high (6 Millimeters), and SHALL contain the data identifier (4S) at the beginning of the barcode.

F.4.8 Block D2 – Blank

Leave this field blank on the Master Load label.

F.4.9 Block E1 – SUPPLIER FREE SPACE

 Population of this block is left to the discretion of the supplier.

F.4.10 Block E2 – Supplier Information
Supplier Manufacture DUNS location number (V), Ship from DUNS location number (U), Part Description (DESC), and Print Date (D)

Manufacture DUNS and Ship from DUNS number fields as recognized by Nexteer Automotive have a maximum length of nine (9) digits each. The headings "MFG DUNS" and "SHP DUNS" SHALL be **bold** and approximately 9 point font (0.125", 3.167 mm). Ship from DUNS is where the Nexteer Carrier picks up the material so they can transport it and deliver it to Nexteer. Manufacture DUNS is where the part is manufactured.

Part Description has a maximum length of twenty (20) characters with the heading "DESC.", and SHALL be **bold** and approximately 9 point font (0.125", 3.167 mm). Data for this field can be pulled from EDI DELJIT Segment PCI*17Z / ISO/ANSI 862 Segment PKG*17Z and should be in alphabetical text.

Print Date SHALL be formatted as YY/MM/DD with the heading "PRT. DATE:" at approximately 9 point font (0.125", 3.167 mm). The data identifier for the date is (D) in the 2D barcode. Include the forward slash "/" marks on the visual label in human readable form, but remove the forward slash "/" marks in the 2D barcode to read "D140610".

F.4.11 2D Barcode Data Stream

The 2D barcode of the sample label above has the following data stream:

[)>^R_S 06 ^G_S P38008063 ^G_S 2P003D ^G_S Q4608 ^G_S 4S55017312 ^G_S V527742743 ^G_S K90I7134 ^G_S

21L66^G_S D150217 ^G_S MPCS ^G_S U005356878 ^R_S $^E_{OT}$

G. Mixed Load Label –Multiple Single Packs of Differing Part Numbers

The mixing of containers on a single skid/pallet destined for different plants or delivery docks SHALL NOT be allowed.

The Mixed Load label SHALL be used to identify a load of multiple single packs of different part numbers. The Mixed Load label SHALL appear on two adjacent sides of the pallet load. Additionally, the following rules SHOULD also be followed:

For a mixed part number skid/pallet, a Master Load label for each part number SHOULD be required. A Master Load label of each individual part SHOULD be applied on one side of the pallet where each can be scanned easily. When the pack is broken apart, the labels are discarded. See example below

1. Individual Master Load labels
2. Mixed Load label
3. Container label
4. Cardboard placard or similar where Master Load labels are applied. As an alternative, labels can be neatly applied to the shrink wrap in a way that barcode fields can be scanned.
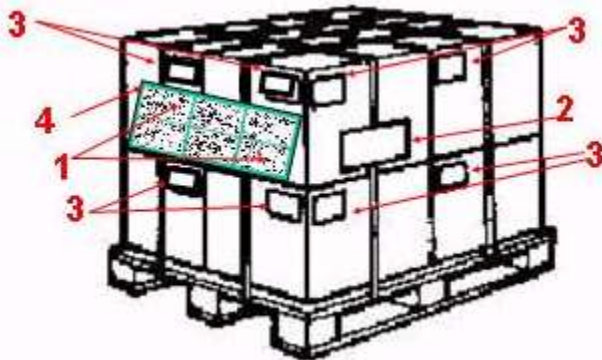
MULTIPLE PLANT LOCATIONS ARE NOT ALLOWED ON A SINGLE SKID OR PALLET.

G.1   Required Data Elements

Shown are the required data fields for a Mixed Load label:

- Supplier Location's Address – Supplier (PO vendor location)
- Plant Address Line 1 (Plant Name/#) / Final destination of material – EDI DELJIT Segment NAD+ST / ISO/ANSI 862 Segment 13Z
- Plant Address Line 2 (City,State,Zip) / Final destination of material – EDI DELJIT Segment NAD+ST /   ISO/ANSI 862 Segment 14Z
- Part Number – EDI DELJIT Segment LIN*IN / ISO/ANSI 862 Segment LIN*BP
- Revision Level/ Engineering Change – Drawing/PO
- Purchase Order – EDI DELJIT Segment RFF*ON / ISO/ANSI 830 Segment LIN*PO
- Country of Origin - Supplier
- Quantity – EDI DELJIT Segment QTY / ISO/ANSI 862 Segment QTY
- Mixed Load Serial Number (5S) - Supplier
- Plant/Dock – EDI DELJIT Segment PCI*12Z / ISO/ANSI 862 Segment 12Z
- Ship from DUNS Supplier ship from location number - Supplier
- Print Date (YYMMDD) - Supplier

The "Supplier Free Space" area can be used for any additional data determined by the supplier.

G.2   Use of Data Identifiers

Click to see section on Use of Data Identifiers

G.3   Human Readable Text Font Sizes and Type Faces

Click to see section on Information on human readable text

G.4. Data Area Characteristics (Mixed Load Label)

Block A1	Block A2	Block A3 2D Barcode
Block B1		
Block C1	Block C2	
Block D1		Block D2

MIXED LOAD

```
FROM:                          TO:
NEXTEER AUTOMOTIVE             NEXTEER STEERING MEX
SUZHOU 100 CHINA 215126        EL MARQUES QRO, MX 76246

PART NO      REV   PO          COO    QTY
38008063     003D  90I7134     CN    1536
38030205     004B  90I8539     US     400
26119131     12A   90I8911     MX     650
26100994     06B   90I6537     US     884
```

SERIAL NO: (5S) **525604964**

PLANT / DOCK: **66**

SHP DUNS: 005356878
PRT. DATE: 15/02/17 (YY/MM/DD)

MIXED LOAD

Figure 5: Mixed Load label format

G.4.1 Block A1 – Supplier Information:
FROM: Supplier Name, Supplier City, State, Zip

All text fields within this block should be written in 9 point font (approximate). Approximate measurements for the font height are: 0.125 Inches or 3.167 Millimeters. Supplier name and address should be the location in which the PO is received. The visual appearing address will be the PO vendor's location.

G.4.2 Block A2 – Nexteer Plant Information:
TO: Plant Name, Plant City, State, Zip

All text fields within this block should be written in 9 point font (approximate). Approximate measurements for the font height are: 0.125 Inches or 3.167 Millimeters.

G.4.3 Block A3 – PDF 417 2D Barcode

This block only contains the 2D barcode. D.5.8 and D.5.10 SHALL be referenced for 2D barcode formation. G.4.9 SHALL be referenced for the 2D data code stream requirements.

G.3.4 Block B1 – PART DATA:
Part number (P), Revision Level (2P), Purchase Order Number (K), Country of Origin (COO), and Quantity (Q)

This block contains the human readable part data.

G.4.5 Block C1 – MIXED LOAD SERIAL NUMBER (5S)

Each shipping container SHALL have a unique number called a Container Serial Number (3S) and each Mixed Load pallet or skid SHALL contain a Mixed Load Serial Number (5S). These numbers are assigned by the supplier, not Nexteer Automotive, and do not necessarily need to be in sequential order. These unique numbers help link the barcode data on the labels to EDI/ASN for traceability. The Serial Numbers SHALL NOT be repeated to Nexteer Automotive on another label within a twelve-month period.
The Mixed Load Serial Number has a maximum length of ten (10), minimum of six (6) alphanumeric characters and Data Identifier (5S). The human readable Serial Number characters SHALL be **bold** and approximately 16 point font (0.23", 5.833 mm).

The linear barcode symbol for the Mixed Load Serial Number SHALL be directly below the human readable characters, SHALL be a minimum of .25 Inches high (6 Millimeters), and SHALL contain the data identifier (5S) at the beginning of the barcode.

G.4.6 Block C2 – PLT/DOCK (21L)

The Plant and Dock designation data SHALL be **bold** and approximately 26 point font (0.376", 9.333 mm), with a maximum length of six (6) characters. The data comes from the EDI DELJIT Segment PCI*12Z / ISO/ANSI 862 Segment 12Z.

G.4.7 Block D1 – SUPPLIER FREE SPACE

Population of this block is left to the discretion of the supplier. The area can be used for any additional data determined by the supplier.

G.4.8 Block D2 – Supplier Information
<u>Ship from DUNS location number (U) and Print Date (D)</u>

Ship from DUNS number field as recognized by Nexteer Automotive has a maximum length of nine (9) digits each. The heading "SHP DUNS" SHALL be **bold** and approximately 9 point font (0.125", 3.167 mm). Ship from DUNS is where the Nexteer Carrier picks up the material so they can transport it and deliver it to Nexteer.

Print Date SHALL be formatted as YY/MM/DD with the heading "PRT. DATE:" at approximately 9 point font (0.125", 3.167 mm). The data identifier for the date is (D) in the 2D barcode. Include the forward slash "/" marks on the visual label in human readable form, but remove the forward slash "/" marks in the 2D barcode to read "D140610".

G.4.9 2D Barcode Data Stream

The 2D barcode of the sample label above has the following data stream:

[)>^R_S06^G_SP38008063^G_S2P003D^G_SK90I7134^G_SQ1536^R_S06^G_SP38030205^G_S2P004B^G_SK90I8539

^G_SQ400^R_S06^G_SP26119131^G_S2P12A^G_SK90I8911^G_SQ650^R_S06^G_SP26100994^G_S2P06B^G_SK90I6537

^G_SQ884^R_S06^G_SP^G_S2P^G_SK^G_SQ^R_S06^G_SP^G_S2P^G_SK^G_SQ^R_S06^G_SP^G_S2P^G_SK^G_SQ^R_S06^G_SP^G_S2P^G_SK

^G_SQ^R_S06^G_S21L66^G_SU005356878^G_SD150217^G_S5S525604964^R_S^E_O_T

H. Placement

Labels SHALL be placed no closer than 1.25 inches (32mm) from any container edge. Label placement toward the center of the sides of rectangular, corrugated containers SHOULD be avoided because excessive abrasion damage may result during transportation and render the label not usable.

For placement on various types of containers, labels SHOULD be applied in an easily accessible location* (Appendix D).

For unit loads, the placement of the label SHALL be on the upper half of the unit load. The bottom edge of the label SHALL NOT be higher than 60 inches (152cm) from the bottom of the unit load.

Unit loads SHALL have identical labels on two adjacent or opposite sides to reduce the destruction of both labels in the event of mishap.

NOTE: Additional labeling requirements may be dictated by each individual plant as needed.
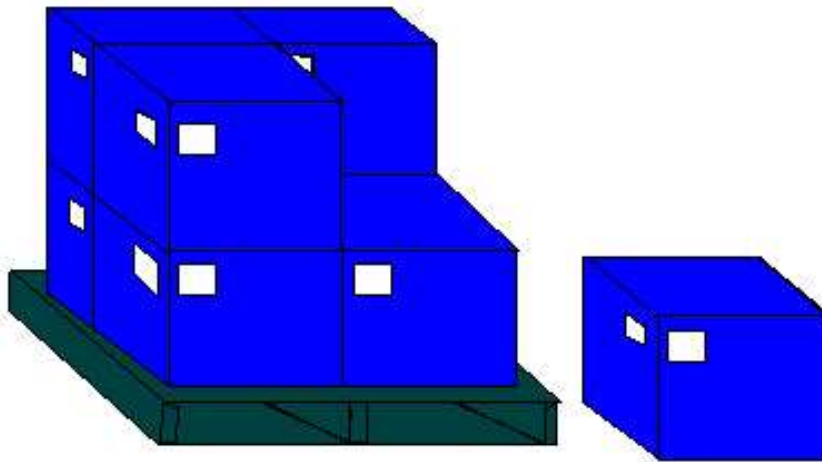
Figure 6: Example of possible label locations on a palletized box.

I. Quality Check

Suppliers have a responsibility to provide barcoded labels that meet Nexteer Automotive standards and Nexteer Automotive has a responsibility to alert suppliers of any persistent label non-conformance.

The ISO/ANSI, Barcode Print Quality Guideline SHALL be used to determine barcode symbol print quality. It is suggested that the supplier's minimum internal print quality grade SHALL be (B) 3.0/10/660, to guarantee a customer print quality grade of (C) 1.5/10/660 where:
- Minimum print quality grade = 3.0 (B)
- Measurement aperture =0.010 inch (0.254 mm)
- Inspection wavelength = 660 nanometers +/- 10 nanometers.

Verification audits SHALL be used in conjunction with statistical process control to assure label quality.

Appendix A: Label Approval Form

For approval of the shipping label format, email this form in PDF format to:

Name: Nexteer Automotive Labeling Divisional Representative (App. C)

Company: Nexteer Automotive

Email: supplier.label@nexteer.com

Approval Signature:_____.

Approval Date: _____.

From: Supplier Representative Name:

Supplier Company:

Supplier Phone, e-mail, Fax:

Appendix B: Label Approval Checklist by Nexteer Automotive Internal Usage

Nexteer Automotive uses an internal database to qualify a label for certification. Each field of the label is tested for the criteria listed.

A check in the "pass" block means the item met or exceeded expected minimums.

Non-Barcoded Field

These fields are qualified on the premise of data integrity, font size and positioning. This is denoted by a comment on the form used by Nexteer Automotive with the heading "Human Readable Text Fields". In the event you have an issue with one of these fields, a copy of the label can be sent depicting the problem along with the above form.

Appendix C:
Nexteer Automotive Labeling Contact List

Please first contact the Supplier Labeling Mailbox for approval:

Supplier.Label@nexteer.com

Label Region Contacts:

US and Mexico
Terry Richter   Phone: 989-757-3538   email: terry.richter@nexteer.com

Brazil
Carlos Carvalho   Phone: +55 (51) 33737505 Mobile: +55 (51) 992986431
                  email: carlos.carvalho@nexteer.com

China
Cary Cui   Phone: 0512-62606524   email: cary.cui@nexteer.com

Europe
Anna Ossowska   Phone: +48 724 950 450   email: anna.ossowska@nexteer.com

     (Contact for label questions/approval)

EDI Contact:

John Szczygiel   Phone: (989) 757-4996   email: john.szczygiel@nexteer.com

     (Contact for EDI questions/concerns)

Appendix D: Suggested Label Placement

BASKET, WIRE MESH CONTAINER
Identical labels **SHALL** be located on two adjacent sides.
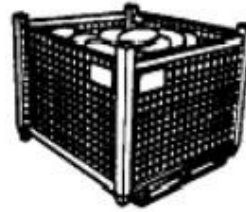
METAL, BIN or TUB
Tag one visible piece near top or use a label holder.

PALLET BOX
Identical labels **SHALL** be located on two adjacent sides.
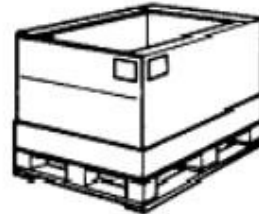
TELESCOPE OR SET- UP CONTAINERS
Identical labels **SHALL** be located on two adjacent sides of the outer box. Some applications may also require identification of the inner box.
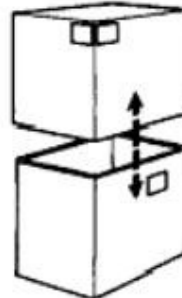
BUNDLE
Identical tags **SHALL** be located at each end.

BAG

Place one label at the center of face.

ROLL

Hang one tag 2.0 in (51 mm) from end of material.
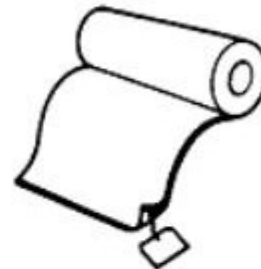
RACK

Tag one visible piece near top, or use a label holder.

BOX or CARTON

Identical labels **SHALL** be located on adjacent sides.

CARTONS ON PALLET

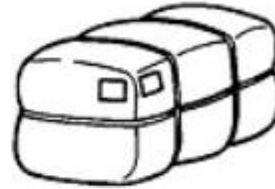Identical Master Load or Mixed Load Labels **SHALL** be used on adjacent sides.
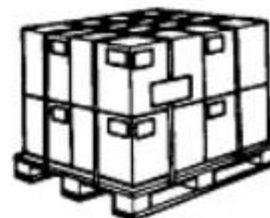
DRUMS, BARRELS, or CYLINDRICAL CONTAINERS

Identical labels **SHALL** be located on the top and near the center of the side.
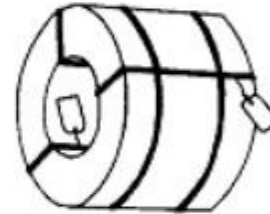
BALES

Identical labels **SHALL** be located at the upper corner of an end and the adjacent side (wraparound label acceptable).
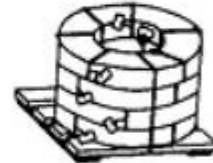
SINGLE COIL

Identical labels **SHALL** be used. Locate one on the inside of the coil and one on the outside.

SLIT COILS

Identical labels **SHALL** be used. Locate one on the inside of each coil and one on the outside of each coil.
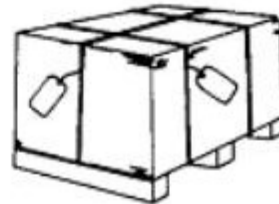
TUBING and BARS

Identical labels **SHALL** be used. Attach one to each end of the bundle.

SHEETS/CUT LENGTHS/BLANKS

Identical labels **SHALL** be located on two adjacent sides.

RETURNABLE CONTAINERS

Refer to applicable AIAG standards (RC-1 through RC-8).

Appendix E: Revision History

Date   Revision

Date	Revision
12/01/11	• Updated Appendix C contact names and phone numbers (pg. 36) • Created Appendix E, Revision History (pg. 40)
01/27/12	• Removed North America
02/29/12	• Add Horizontal Label to the Alternate 4.0 inch wide x 2.0 inch high container label. (pg. 21)
10/24/12	• Changed DUNS fields' definition (pg. 19)
03/06/13	• Updated new supplier portal address and Appendix C / Contact Names (pg. 36)
10/08/13	• Updated Contact information (Email in PDF vs. FAX) (pg. 36) • Changed Rev. Level Data Source to Drawing/P.O. (pg. 13)
08/06/14	• Added approx. font sizes for supplier's convenience. (pg. 10) • Clarified Rev. Level Data Length Discrepancy (pg. 13) • Combined Part Number and Revision Level fields in Block B1 to match visual interpretation of label (pg. 16, 24) • Added Nexteer directed Exp. Date field 2D barcode & human readable fields to Container labels (pg. 10, 13, 14, 15, 19) • Added heat number reference to 2D barcode & human readable fields on the Container labels. (pg. 10, 13, 14, 15, 19) • Added FID number reference to human readable field on the Container labels for future use. (pg. 10, 13, 14, 15, 19) • Updated Date to be YYMMDD with no – or / marks in 2D bar code (pg, 19, 26, 31) • Visual Samples were updated (14, 16, 20, 21, 23, 26, 29, 32) • 2D barcode instruction in Block A2 were added (pg. 5, 15, 22) • Grammatical and organizational presence was altered (pg. 1-40) • Changed MFG Date on Master Load and Mixed Load visuals to read PRT. Date (pg. 13, 22, 23, 26, 28, 29, 31, 32) • Changed "Supplier" title on Container and Master Load visuals to read MFG DUNS. (10, 13-32) • Changed "DUNS" title on Container, Master Load, and Mixed Load visuals to read SHP DUNS. (10, 13-32) • ISO/ANSI-X12 and EDIFACT specifications were combined to function as one Master Requirement packet. (pg. 1-40)
02/18/15	• Plant Address, Ship To Location field reference was updated. (pg. 15, 22, 28) • Adjusted Barcode Data Fields chart to resemble accurate field reference and length. (pg. 13) • Label samples re-created with current data (14, 16, 20, 21, 23, 26, 29, 32)
11/09/17	• Supplier Portal Link was updated (pg. 2, 36) • Lot # field updated from Required to **As Directed. (pg. 13) • ANSI, ANSI-X12 and X3.1.82 updated to ISO/ANSI throughout the document • Supplier Label contact updated (pg. 36)
11/10/17	• Supplier Label contact revised (pg. 36)
04/10/19	• Supplier Label contact revised (pg. 36)
03/02/2021	• Supplier Label contact revised (pg. 36)
05/15/2022	• Remove DLOC from 3 Container Labels and Master Load Labels (pg. 10, 13, 14, 15, 16, 17, 20, 21, 22, 23, 24, 26,)
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