



Lear Label Requirements

2026

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Overview

Specifications

- Container Label (1J)
 - Label specifications
 - 1D Barcode Requirements
 - 2D Barcode Requirements
- Master Label (6J)
 - Master Label specifications
 - Requirements
 - 1D and 2D Barcode Requirements
- Additional Information

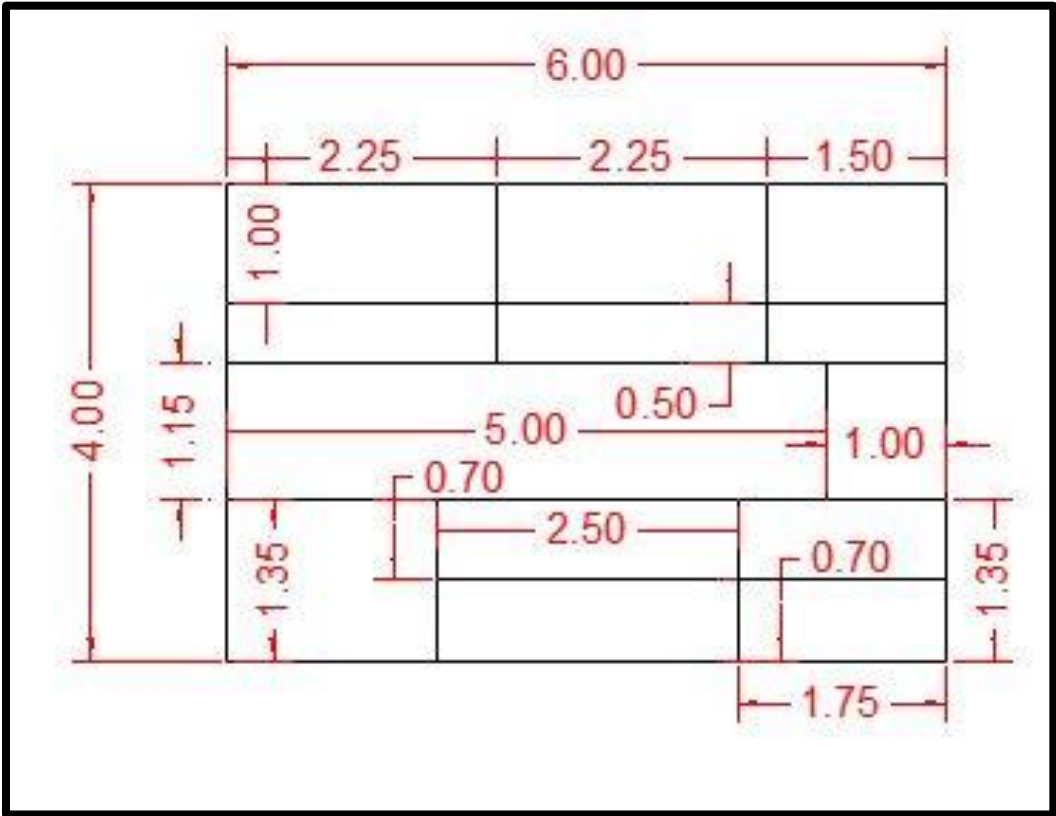


Insert Footer Here



Container Label Specifications (1J)

6" x 4" Labeling Example



SHIP FROM: SIERRA PLASTICS INC. 999999 RIGHT WAY AVENUE UBLY, MI 48952-9010		SHIP TO: LEAR MEX TRIMOPS S.DER.L.DECV ZACATECAS MXLEAMEX102ZAC CALLE CONSTRUCCION #102 SUR ZACATECAS, ZACATECAS MEX 98005		2D Data Matrix: 
PART DESCRIPTION: OB SIDESHIELD GKA		LOT (T): M2345111 		CONTAINER LABEL
LEAR PART NUMBER (P): L001652332NCPAB 				COUNTRY OF ORIGIN: USA
QUANTITY (Q): 1440  UOM	SERIAL NUMBER (S):  03065175		FREE FORM:	
VENDOR (V):  816651616				



Container 1D Barcode Data Identifiers (1J)

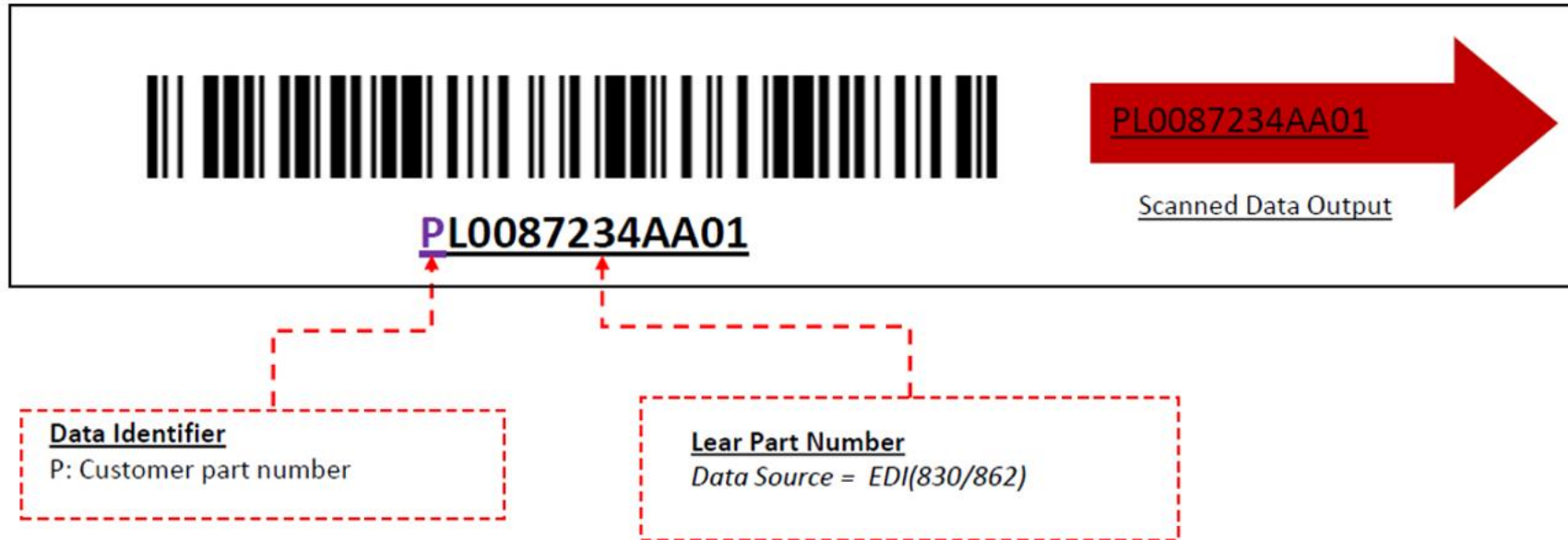
1D Barcode Data Identifiers			
Sequence	Name	Description	Data Identifier (DI)
1	Vendor	Vendor/Supplier Code	V
2	Part Number	Lear Part Number	P
3	Quantity	Container Quantity	Q
4	Serial Number	Container Serial Num.	S
5	Lot Number	Manufacturing Lot Number (if applicable)	T

- Description and Data are printed in human readable characters alongside the 1D barcode, see example below



1D Barcode Specifications

Example



CODE 128 SPECIFICATION:

- 'X' dimension SHALL be in the range of 0.33 mm (0.013 inch) to 0.43 mm (0.017 inch)
- Quiet zone (area at each end of bar code) SHALL be a minimum of 6.3 mm (0.25 inch)
- Barcode SHALL meet a minimum ANSI quality grade of 'C'
- Specifications are not indicated here SHALL refer to AIAG B-3, B-4, B-10, B-14, B-8, QS9000 and ISO standards



Container 2D Data Identifiers (1J)

2D Barcode Data Identifiers- Single Container			
Sequence	Name	Description	Data Identifier (DI)
1	Vendor	Vendor/Supplier Code	V
2	Part Number	Lear Part Number	P
3	Quantity	Container Quantity	Q
4	Serial Number	Container Serial Number	S
5	License Plate	Unique Container ID: DUNS + Serial	1J
6	Lot Number	Manufacturing Lot Number (if applicable)	T

Example 2D
'Data Matrix'
format



Raw Example Data: Captured when scanning the 2D barcode one time

Vendor > Part > Quantity > Serial > License Plate > Lot Number

[>]^R_S06^G_SV816651616^G_SPL001652332NCPAB^G_SQ1440^G_SS03065175^G_S1JUN00215487003065175^G_ST071522^R_S^E_O^T

Data Matrix Header

Group Separator

Serial Number

End of Transmission

- Data Identifiers (DIs) define the nature of the data contained within the linear and 2D barcodes
- The table above represents the required DIs
- Additional DIs may be used as business processes require and SHALL conform to ANSI, and ISO standards



2D Data Matrix

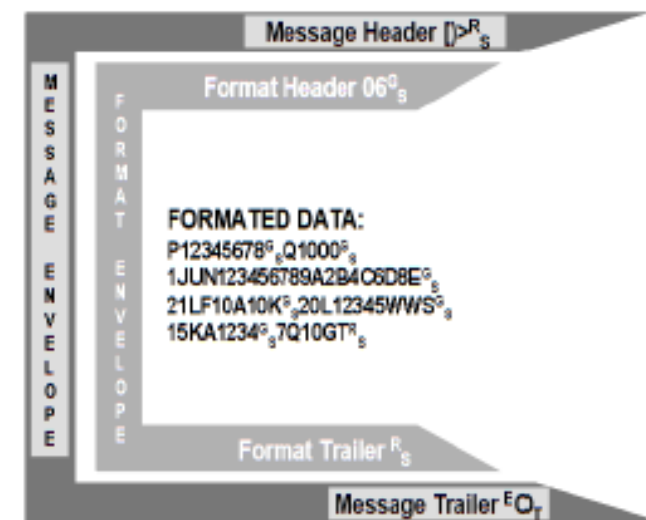
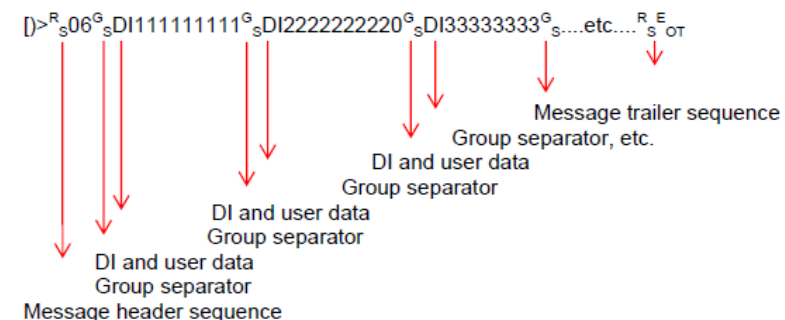
- 2D DataMatrix ECC200 as described in ISO/IEC 16022 must be used
- Each DataMatrix symbol contains one message whose structure is based on ISO/IEC 15434
- In each DataMatrix, the data flow might start with control character "Macro 06"

- Message structure:

- Message header: $[] >^R_S$
- Format header: 06
- Group separator: G_S
- Message trailer: R_S
- Record separator: E_{O_T}

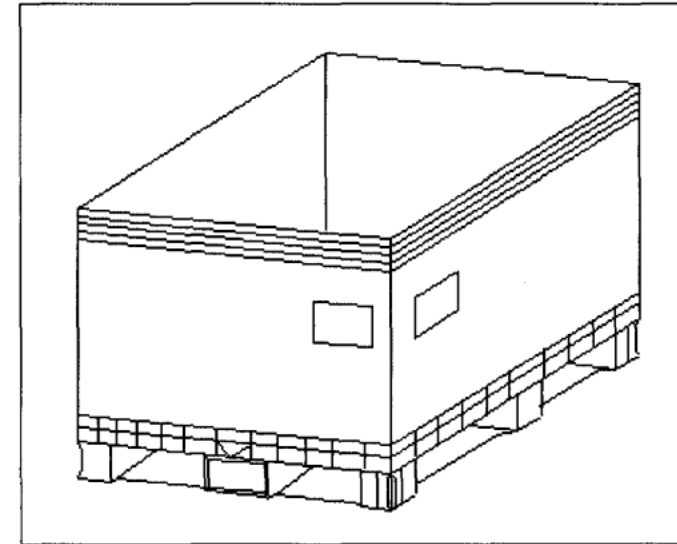
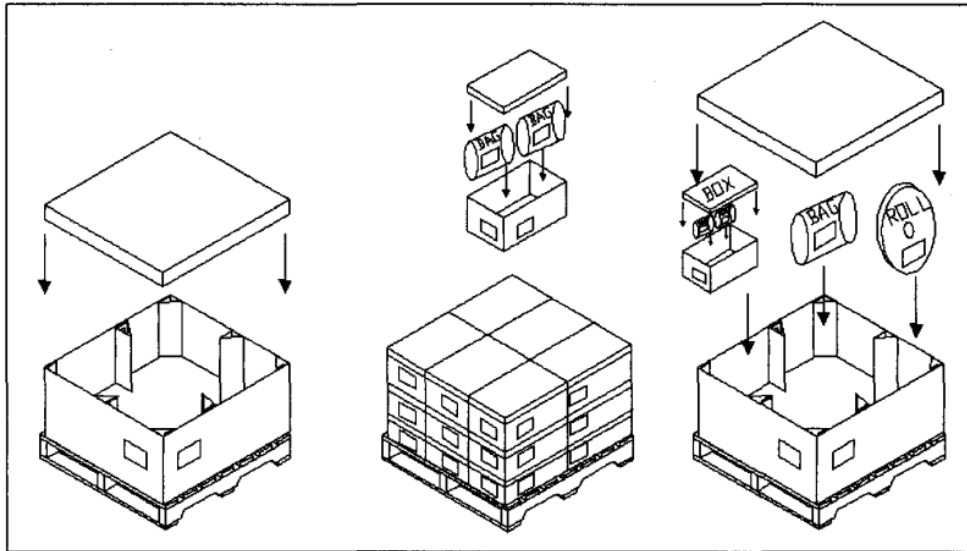


Example of message,
with dummy user data "111111111", "22222222", "333333", etc.:



Container Label Box Locations (1J)

There **MUST** be two labels per container. Labels **MUST** be located on adjacent length and width panels. Labels **MUST** be scan-able from the exterior of the shipping unit, not covered by banding or stretch-wrap film. If inner rolls, small boxes, bags or other small packs are utilized, each pack **MUST** have one label in addition to the labels required on the outer container.



For returnable containers, labels **MUST** be attached to manufacturer's designated location.



6" x 4" Labeling Example



Master Label Requirements (6J)

Master Labels must contain the following information to be considered compliant:

1. 1D and 2D Identifiers
2. Visibly marked as "MASTER LABEL"
3. Ship From and Ship To Addresses
4. Part Description
5. Pallet Weight and Unit of Measure



Master Label 1D and 2D Data Identifiers (6J)

Barcode Data Identifiers- Master Label				
Sequence	Name	Description	1D Data Identifier required (DI)	2D Data Identifier required (DI)
1	Vendor	Vendor/Supplier Code	V	V
2	Part Number	Lear Part Number	P	P
3	Quantity	Total Pallet Quantity of like Parts	Q	Q
4	Serial	Master Label Serial Number	S	S
5	Lot Number	Manufacturing Lot Number (if applicable)	T	T
6	License Plate	Unique Container ID: DUNS + Serial		6J
7	Gross Weight	Total Pallet Weight		7Q
8	Unit of Weight	LB, KG		3Q

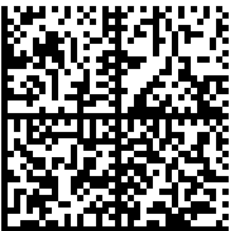
Master Label Weight & Quantity Layout Example

Gross Weight: 280LB 7Q280
Unit of Weight: LB 3Q LB

Raw Example Data: Captured when scanning the 2D barcode one time

Vendor > Part > Quantity > Master Serial > License Plate (6J) > Pallet weight > Pallet Unit of Measure

[>R_S06G_SV816651616G_SPL001652332NCPABG_SQ1440G_SS03065175G_S6JUN00215487003065175G_S7Q280G_S3QLB^R_SE^O_T

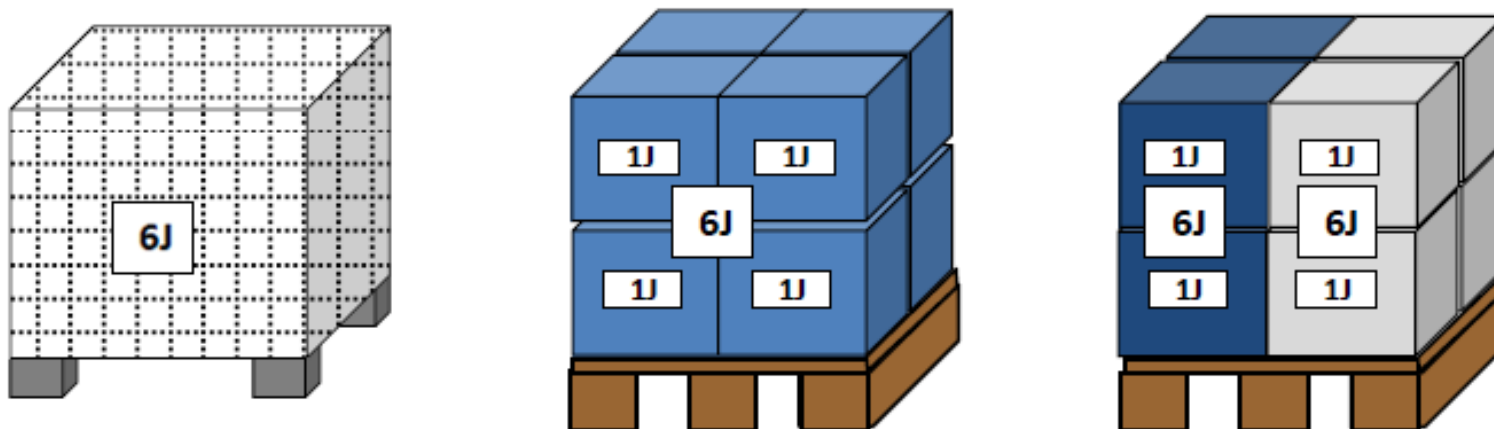


Example
Data
Matrix



Multiple Box Labels

- If a Pallet is made up of different Part Numbers, use multiple 'MASTER LABELS' in the place of a 'MIXED LABEL'
- The qualifiers can be divided into the following two cases:
 - Pallet with 1 large container – use master load requirement
 - Pallet containing multiple boxes of the same part number: Utilize 1J container labels + 6J Master Label
 - Multi-layer packaging: Utilize 1J container labels + 6J Master Label(s) as needed



- Deviations from this system must be agreed with the relevant plant and the central logistics planning.
- The quality of the transport label should be such that it always remains visually and machine-readable, despite environmental influences and transport damages at the place of delivery.
- Every pallet needs a Master Label – No exceptions
- Master label(s) must be placed on the outside of shrink wrap



Label Sizing and Font Requirements

Applies to all Shipping Labels

Label Dimension Requirements:

- Container Label dimensions –4”(102 mm) high by 6” (152 mm) wide
- Master Load Label dimensions –4”(102 mm) high by 6” (152 mm) wide

Font Requirements:

- Font sizes are specified for readability –Ensure size is readable at arm’s length, one yard/meter
- Labels shall be printed with BLACK CHARACTERS on WHITE BACKGROUND
- Any label color other than white, is to be determined by the local Lear plant receiving shipments
- Fonts shall be UPPERCASE ARIAL NARROW BOLD (used in this document), HELVETICA CONDENSED or EQUIVALENT
- Part and serial numbers have a maximum character length of 18 characters



Label Data Field Size & Format

Ship From & Ship To –Alpha Numeric

- City –20 Characters
- State –4 Characters
- Postal Code –10 Characters
- Label can hold a maximum of 30 characters across, so in the City, State, Postal Code line, abbreviations may be required to stay at 30 characters
- **Lot Number** –Alpha Numeric –18 Characters Maximum
- **Vendor Number**–Alpha Numeric –8 Characters Maximum
- **Part Number** –Alpha Numeric –18 Characters Maximum
- **Quantity** –Numeric –8 Characters Maximum
- **Serial Number** –Alpha Numeric –18 Characters Maximum
- **Date** –Numeric –“MMDDYYYY” - 8 Characters Maximum
- **Engineering Revision** –Alpha Numeric –4 Characters Maximum
- **License Plate Number** –Alpha Numeric –18 Characters Maximum
- **Pallet Container Count** –Numeric –3 Characters Maximum – Master Label only



Additional Labeling Requirements

- 1D Bar code symbologies: Code 128 Linear Barcode and Data Matrix 2D Code
- Human Readable and 1D Barcode, cannot use more than half of the height of the data cell.
- Date format shall be determined for each region (Human Readable Characters Only)
 - For example, in North America, follow the US format of “MMDDYYYY” (EG: 03082017 = 03-08-2017) YYYYMMDD in 2D Code
- Labels shall be verified as legible by the supplier per AIAG B16
- Barcode must be easily scannable and meet or exceed ANSI print quality “C” at point of receipt) Lear Plant Verification and Approval is also required.
- Adhesive backing is required for each label
- Labels shall be affixed in accordance with Lear Corporation Supplier Packaging Requirements & Guidelines
 - See details at our website, <https://www.lear.com/suppliers/web-guides>
- For numeric data (i.e. weight): use “,” for separators and “.” for decimal
- Unit of measure must be as appearing on the Lear purchase order and must be printed in human readable characters only





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