



Receipt Label Specifications

Shipping to Mexico

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Sensata Technologies de Mexico S. de R.L. de C.V.

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Supplier Receipt Project Label Specifications

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1.0 Introduction and Scope

In support of our material receipt process, Sensata Technologies (ST) requires each ST supplier to identify all shipments of material with a Box Label. This document specifies that label.

The Box Label is the label that is to be applied to each individual box that will identify product when it is on the production floor. This label will be scanned in the receiving area to receive the goods into inventory, helping eliminate slowdowns in the payment cycle.

1.1 Content Changes from Previous Document

This document has been condensed from the previous one. Information on required data in the previous document was integrated into the section on label formatting. The following key content changes were made. This is being provided only as a summary. Other changes were made.

- Line Number, Release Number and Shipment number were added to the box label.
- Packing List and Invoice Number were added to box label.
- Material type was added to box label.
- Shipped Date was changed to Manufacturing (MFG) Date.

2.0 General Specifications

This section contains general information about the label and the bar codes.

2.1 Label Format

The format specifications presented in this document are based on bar code label specifications from the American National Standards Institute (ANSI). In this document, the ANSI-based label is called *Box Label*. See sample labels in Appendix A. All information needed to produce these labels is contained within this document and referenced documents.

2.2 Bar Code Specifications

All bar codes appearing on the label, whether printed for ST's use or others, shall meet the specifications contained herein.

- All bar codes shall be Code 128, and shall be at least a grade “C/10/660 (grade B/10/660 preferred) overall profile grade as defined in section 5.3.1.5 of the ANSI X3.182-1990, *Bar Code Print Quality Guideline*. Code 128 symbology is an industry standard that produces a higher quality, higher density code. Code 128 supports many more characters than 39 and is recognized more widely in industry. See Appendix B, How to Order ANSI X3.182-1990, Bar Code Print Quality Guideline, for ordering information.
- The allowable range of module width for any bar code on the label shall be 9.8 mil to 14.8 mil.
- There shall be a minimum “quiet zone” of 0.15 inch on both sides of each bar code.
- As a guideline, the bar code should be at least 0.25 inches in height. However, depending on your application, the codes may have to be shorter to accommodate all the required data. If this is the case, make the bar codes as tall as possible while still printing all data. ST will evaluate the fitness of the sample you provide.
- Some maximum data widths, like ST’s item and the supplier serial number, may be too wide to meet these specifications. ST asks that in cases like this, the supplier do the best they can to meet the specifications. Any time the specification is violated, it should be noted on the sample label you provide to ST.

3.0 Data Identifiers

A standard F.A.C.T. Data Identifier (DI), whether printed for ST’s use or others, shall prefix all bar codes appearing on the label. These Data Identifiers are defined in the current issue of the ANSI MH10.8.2-1995, F.A.C.T. Data Application Identifier Standard. See Appendix C, How to Order ANSI MH10.8.2-1995, F.A.C.T. Data Identifier Standard, for ordering information.

The data identifiers for the fields defined in this document are:

<u>Field Name</u>	<u>Identifier</u>
Purchase Order	K
Release Number	5K
Line Number	4K
Shipment Number	Z
Item Number	P
Quantity	Q

Serial Number S

Supplier Heat Number or Lot Number 1T

A data identifier is an extra piece of information that is appended to the beginning of the data being bar coded. For example, for purchase order number 123456, the bar code when scanned should read K123456, if lot number 345QXT, the bar code when scanned should read 1T345QXT, etc. Data identifiers are used by the reading application to perform data validation. If supported, the application can position the data in the correct entry field even if the user scans the codes out of sequence. The data identifier itself should not be printed in the human readable part of a bar code field. So, using the invoice example above, the field on the label would look something like this:

Purchase Order Number

(K) **123456 (human readable)**
 K123456 (in bar-coded form)

4.0 ST Label Specification

This section contains the specification for the Box Label. It also contains the data definition for each label element. Minimum label size is 4.5 inches high and 4 inches wide. The Maximum label dimensions shall be 4 inches wide and 6 inches high. See sample labels in Appendix A.

4.1 Building Blocks

Each segment is divided into *Building Blocks*. There are two types of building blocks: *Regular and Human Readable Only (HRO)*. Regular building blocks contain a single piece of information that appears in both human readable and bar code form. HRO building blocks contain only human readable data and may contain several lines of information.

Building blocks are arranged vertically within a segment and are separated by a single horizontal line or vertical line as shown on Appendix A. **Each building block shall be bar coded unless otherwise noted.**

4.1.1 Regular Building Blocks

Regular building blocks contain a single piece of information (the “field”). The components of a regular building block are:

4.1.1.1 Title

The title for each building block should be printed in small type at the top of the block. A Data Identifier enclosed in parentheses shall follow the title. See the section on Data Identifiers. The title should be in a typeface that is at least 0.06 inch and not more than 0.12 inch in height.

4.1.1.2 Human Readable

A human readable version of the field value, without identifier prefix, shall appear below the title. It should be indented approximately 0.75 inch from the left side of the label. The typeface must be at least 0.20 inch in height.

4.1.1.3 Bar Code

Some building blocks are Human Readable Only and do not contain bar codes. All others shall contain a single bar code of the field value, prefixed by the building block identifier.

4.1.2 Human Readable Only Building Blocks

HRO building blocks supply data in human readable fashion only and do not contain bar codes. There may be one or more lines of data within the building block and each line within a given building block should be in the same typeface.

4.2 ST Box Label

Each Box Label, regardless of the format used, contains the information listed below. Data lengths specified do NOT include the data identifiers, bar code start and stop characters, and the check sum character. All data identifiers are a maximum of 2 characters, so the maximum number of additional characters added to the data in a bar code is 4. The following data may appear on the ST Box Label. **All fields shall be bar coded unless otherwise noted.** See sample label in Appendix A.

4.2.1 Customer Segment

- ST Purchase Order Num. - The title for this building block is “Purchase Order Number(K)”. The Purchase Order Number can be a maximum of 13 characters. Required.
- ST Item Number - The title for this is field is “Item (P).” It is TI’s item Number for the product being supplied. This field can contain no more than 17 characters. Required.
- ST Release Number - The title for this building block is “PO Release# (5K)”. The Release Number can be a maximum of 5 characters. This number is only referenced for Blanket Purchase Orders. Optional.

- ST Line Number - The title for this building block is “PO Line# (4K)”. The Line Number can be a maximum of 5 characters. Required.
- ST Shipment Number - The title for this building block is “PO Shipment# (Z)”. The Shipment Number can be a maximum of 5 characters. Required.

4.2.2 Supplier Segment

- Quantity - The title for this field is “Quantity Wght/Pcs(Q)”. This is the total quantity of the parts in this container in the units Specified on the purchase order. Required.
- Serial No. - The title for this field is “Serial No.(S)”. This is the serial number or code assigned by the Supplier to an entity for its lifetime, (e.g., computer serial number, traceability number, contract tool identification). No two boxes should ever have the same serial number. Required.
- Supplier Heat No. or Lot - The title for this field is “Supplier Heat(1T)”or “Lot (1T)”. This is the Traceability number assigned by the Supplier to identify/trace a unique group of entities,(e.g., heat, batch, lot). Include special data and alloy, in human readable form only (no bar code). Required.
- MFG Date - The title for this field is “MFG Date”. This is the manufacturing date of the material. The date should be of the form “MFG Date: YYMMDD”. Required.
- Supplier Revision - An HRO building block(not bar coded), containing the revision of your item contained in this box. **Revisions should not be mixed in boxes without permission from Sensata Technologies.** Optional.
- Invoice Number - An HRO building block (not bar coded). The title for this field is “Invoice Number”. This is a data block containing the supplier’s invoice number. This field has a maximum of 12 characters. Required.
- Material Type - An HRO building block (not bar coded), containing the material type in this box. This is an indication that material has any certification. I.e. UL certification. Optional.

5.0 How Applied

The Box Label must be applied to each individual box of the shipment. It should be applied to the upper right hand corner of the narrow side of the box. For boxes with a square footprint, the label may be applied to any side. For all others, it should be applied to the narrower side.

6.0 Submission requirements

All suppliers are required to submit sample labels to ST for approval. Each supplier shall submit scanned copies of labels for approval. These labels should be sent to the following email address:









Sensata Technologies
Attn Attn: **Samuel Bazaldua**
E-mail: sbazalduahuerta2@sensata.com

7.0 Contacting TI

Any supplier who requires more information about complying with these specifications should contact their buyer.

Appendix A Sample Box Label

(may not be exactly to 4X6 scale and the height and width of the bar codes will not be exact to specification due to the font used)

PO VENDOR NAME		
Purchase Order Number (K)  2011201654	Supplier Heat/Lot Number (1T)  2017/0765-42	
PO release#(5K)  10	PO Line#(4K)  125	PO Shipment#(Z)  3689
Item (P)  2RH2-4..TOTE		MFG Date  170815
Quantity Wght/Pcs (Q)  1200	Revision B	Packing List: 96321478
Material Type:UL Material		
Sensata Technologies 2017/08/15		

Serial No. (S)

 1725600156



Standard PO Sample

SUPPLIER:
 KAVLICO CORPORATION
 1461 Lawrence Drive | Thousand Oaks, CA 91320
 United States

PO #

PURCHASE ORDER		
PURCHASE ORDER NUMBER	REVISION	PAGE
6106900006869	3	1 of 1
THIS PURCHASE ORDER NUMBER MUST APPEAR ON ALL INVOICES, PACKING LISTS, CARTONS AND CORRESPONDANCE RELATED TO THIS ORDER		
SHIP TO:		
Sensata Technologies Holland B.V. Gewerbering 10b Olching, 82140 Germany VAT#:		
BILL TO:		
SENSATA TECHNOLOGIES HOLLAND B.V. EMAIL: PAYABLES-EUROPE@LIST.SENSATA.COM JAN T INBERGENSTRAAT 80 HENGLO, 7559 SP Netherlands VAT#: NL815352864B01		

REFER INQUIRES TO: Yanakieva Vuchkova, Yana

SUPPLIER NO.	DATE OF ORDER	REVISED DATE	BUYER			
117319	22-JUN-17	13-JUL-17	Yanakieva Vuchkova, Yana yvu@sensata.com			
PAYMENT TERMS	SHIP VIA	INCOTERM				
NET 60	SEE ROUTING INSTR	EXWORKS				
FREIGHT TERMS	DELIVER TO	SUPPLIER REPRESENTATIVE / PHONE				
See FOB- INCOTERM	Yanakieva Vuchkova, Yana	()				
ITEM	PART NUMBER	REV.	NEED BY	QUANTITY	UNIT PRICE	TOTAL TAX
	DESCRIPTION		DATE	UOM	CURRENCY	AMOUNT
1	PE2000-5207 TRANSDUCER, PRESSURE		==C			
	SHIPMENT NUMBER 1	Shipment #	23-JUN-17	12	17.8695	214.43 Y
	o SHIP TO:			EACH	USD	
	Address at top of page					
	SHIPMENT NUMBER 2		16-AUG-17	0	17.8695	0.00 Y
	o SHIP TO:			EACH	USD	



PO # - Release #

Blanket PO Sample

SUPPLIER:
 KAVLICO CORPORATION
 1461 Lawrence Drive | Thousand Oaks, CA 91320
 United States

PURCHASE ORDER		
PURCHASE ORDER NUMBER	REVISION	PAGE
6106900007435-4	0	1 of 1
THIS PURCHASE ORDER NUMBER MUST APPEAR ON ALL INVOICES, PACKING LIST'S, CARTONS AND CORRECTION DANCE RELATED TO THIS ORDER		
SHIP TO:		
Sensata Technologies Holland B.V. Gevebering 10b Olching, 82140 Germany VAT#:		
BILL TO:		
SENSATA TECHNOLOGIES HOLLAND B.V. EMAIL: PAYABLES-EUROPEALIST.SENSATA.COM JAN TIDBERSENSTRAAT 80 HENGLO, 7553 SP Netherland VAT#: NL815352864B01		

REFER INQUIRES TO: Yanakieva Vuchkova, Yana

SUPPLIER NO. 117319	DATE OF ORDER 15-AUG-17	REVISED DATE	BUYER Yanakieva Vuchkova, Yana yvu@sensata.com
PAYMENT TERMS NET 60	SHIP VIA SEE ROUTING INSTR	INCOTERM EXWORKS	
FREIGHT TERMS see FOB-INCOTERM	DELIVER TO Yanakieva Vuchkova, Yana	SUPPLIER REPRESENTATIVE / PHONE ()	

ITEM	PART NUMBER	REV.	NEED BY DATE	QUANTITY UOM	UNIT PRICE CURRENCY	TOTAL AMOUNT	TAX
Blanket Agreement Release							
1	PE2000-5084		---				
	TRANSDUCER, PRESSURE						
	SHIPMENT NUMBER 1		30-AUG-17	200	10.21545	2,043.09	Y
	o SHIP TO:			EACH	USD		
	Address at top of page						
	SHIPMENT NUMBER 2		05-SEP-17	50	10.21545	510.77	Y
	o SHIP TO:			EACH	USD		
	Address at top of page						
	SHIPMENT NUMBER 3		06-SEP-17	350	10.21545	3,575.41	Y
	o SHIP TO:			EACH	USD		
	Address at top of page						

Appendix B How to Order ANSI X3.182-1990, Bar Code Print Quality Guideline

To Customer: The price of this publication varies.

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Appendix C How to Order ANSI MH10.8.2-1995, F.A.C.T. Data Identifier Standard

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