



UCC 128 Carton Label

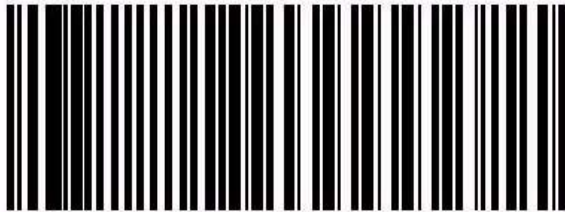


Compliance guidelines for UCC 128 Label

UCC /EAN –128 symbology

The UCC / EAN-128 symbology and the associated Application Identifiers (AIs) are used to represent the SSCC, and any additional data required, in machine-readable form. UCC/EAN-128 is reserved exclusively for the encoding of data elements prefaced with an UCC/EAN Application Identifier. The AI that identifies the following data as an SSCC is **00**.

(00) 0 0012345 123456789 1



Barcode Segment Specifications:

<u>Start Code/FNC1</u>	<u>00</u>	<u>0</u>	<u>0012345</u>	<u>123456789</u>	<u>1</u>	<u>C</u>	<u>Stop Character</u>
ST	AI	CT	MI	SN	CD	C1	SP

ST - SSCC-18/128 Start Code (consisting of Start - C plus Function Code 1)

AI - SSCC-18/128 Serial Shipping Container Application Identifier

CT - Shipping Container Type

MI - UCC/EAN Manufacturer ID Number including Number System Character proceeded by zero

SN - Shipping Container Serial Number

CD - Modulus 10 Check Character

C1 - Modulus 103 Check Character (symbol character)

SP - Stop Character

Note: The SSCC-18/128 Serial Shipping Container Code is a numeric-only application standard. Only numeric data (other than start, modulus 103 check digit, and Stop characters) are to be encoded in the symbol.

Barcode Segment Definitions:

Start Code-C / Function Code 1 (ST)

This is the start code for the SSCC-18/128 Serial Shipping Container Code. It is comprised to two discreet non-data characters (Start Code-C immediately followed by Function Code 1). Typically, the proper start code for the SSCC-18/128 is automatically inserted by the label generation equipment, which properly supports the UCC symbology upon selection of UCC/EAN-128 or SSCC-18/128 with only numeric data to be encoded.



Application Identifier (A1)

The application identifier is a prefix used to define data fields. Each prefix uniquely identifies the meaning and the format of the data field following it. The application identifier assigned for the SSCC-18/128 Serial Shipping Container Code is **00**. The human readable interpretation of the application identifier should be separated from the remainder of the symbol data by the use of parenthesis. The parentheses are not included in the encoded data.

Shipping Container Type (CT)

The one digit field identifies the type of serialized shipping container packaging.

The following container type values are valid for the Consolidated Pick & Pack program:

- 0** Serial number shipping case or carton identification
- 1** Serial pallet (larger than case/carton)

Manufacturer ID Number (MI)

This seven-digit field contains the manufacturer's ID number assigned by the applicable UCC/EAN authority. The six-digit UPC manufacturer number is preceded by a zero to complete the seven-digit field.

Shipping Container Serial Number (SN)

The shipping container identifier is defined as a nine-digit serial number with a possible value from 000000000 to 999999999. The purpose of the serial number is to uniquely identify each shipping container (carton or pallet) packed by a supplier for a minimum of one year. The unique serial number approach allows for automatic referencing, by shipping container. Shipping containers will be uniquely identified by the 17-digit combination of a shipping container type, manufacturer ID number and a serial shipping container identification number.

The method for assigning the serial number is up to the supplier's discretion. However, the serial number must remain unique for a period of at minimum **one-year** for each Shipping Container Type and Manufacturing ID number.

Serialized container identification is specifically designed for use with the retail Electronic Data Interchange (EDI) systems. An EDI standard has been developed specifically for the Advanced Shipment Notification (ANSI ASC X12 Transaction Set 856).

Check Digits (CD & CI)

The SSCC-18/128 Serial Shipping Container Code utilizes two check digits the modulus 10 and the modulus 103. The two-digit numeric application identifier is not included in the modulus 10 calculation, only the remainder of the numeric data portion of the symbol is used to calculate the modulus 10 check digit. This check character, which is calculated and printed in human readable form, is to increase data integrity when manual (i.e. keyboard) data entry is used. The modulus 10 check character must be calculated prior to the modulus 103 check character as the resultant modulus 10 character is used during the calculation of the modulus 103 check character.

Reference www.uc-council.org/checkdig.htm

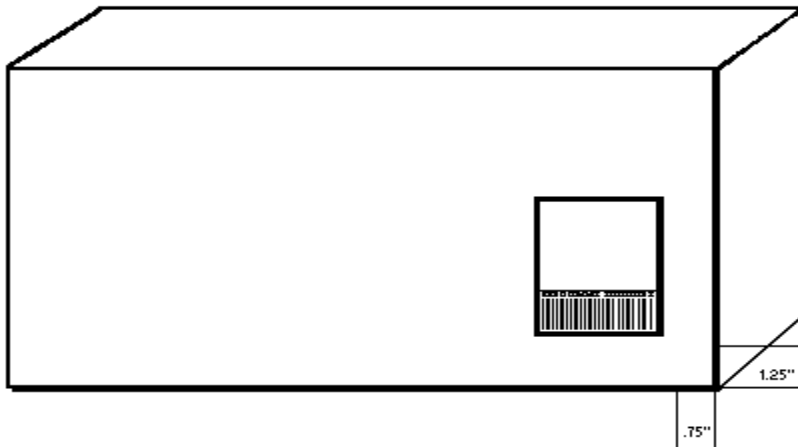
Stop Character (SP)

This non-data symbol character tells the scanner that it has reached the end of this SSCC-18/128 symbol.

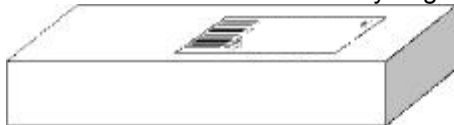


Carton Barcode Location

The location of the shipping container bar code shall be to the right of center (longest side). The bottom of the bars shall be no less than 1.25 inches above the container's natural bottom and no more than 3.0 inches above the containers natural bottom. The outer edge of the right quiet zone shall be no closer than 0.75 inches to the right edge of the vertical face. It is important to maintain these locations to assure scanning in automated environments and to prevent damage of the barcode due to "edge crush". When affixing the SSCC-18/128 label, care must be taken to ensure that the product identification symbol (UPC or Interleaved 2 of 5) is not obscured or covered. The supplementary identification (SSCC-18 / 128) should be placed to the left of the primary product ID when they appear on the same panel.



In the event a shipping container has a height less than 3.5 inches and a barcode symbol cannot be placed on the side of the package as requested the shipping label may be placed on the top of the package. In this case, the label shall be placed with the bars perpendicular to the shortest side, no closer than 1.25 inches from any edge.







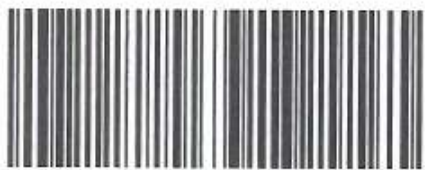
Compliance UCC 128 Label Specification

Label Specification Table



UCC 128 Label Zones	Zone Description	Comments	Data Source
Zone A	Ship from Name and Address	Applies to All Purchase Orders	Vendor
Zone B	Ship To Name and Address	Applies to All Purchase Orders	Maurice Purchase Order
Zone C	Carrier Routine Barcode		Vendor
Zone D	Carrier Segment – Carrier Name, PRO number, BOL number		Vendor
Zone E	Purchase Order , Carton x of y, Vendor Number, Case Quantity		Maurice Purchase Order and Vendor
Zone F	Item UPC Barcode or “Mixed”		Maurice Purchase Order and Vendor
Zone G	Contents: Part Number, Item Sku	Optional, However, i.e. highly desirable	Maurice Purchase Order and Vendor
Zone H	SSCC-18 Bar Code		Vendor



Sample UCC 128 Shipping Label

ZONE A	SHIP FROM: YOUR COMPANY NAME YOUR COMPANY ADDRESS COMPANY CITY,ST,ZIP	SHIP TO: MAURICE SPTG DC# 0011 1825 SHERMER ROAD NORTHBROOK, IL 60062	ZONE B
ZONE C	SHIP TO POSTAL CODE (420) 60062 	CARRIER: YELLOW FREIGHT PRD#: 123456789 B/L#: 123456789	ZONE D
ZONE E	PO#: 0123456789	CARTON 010 OF 105	
	VENDOR#: 1234567	CASE QNTY: 653	
ZONE F	UPC CODE  0 22255 06570 2	CONTENTS: VPN# SJS66H2 SKU# 828160	ZONE G
ZONE H	 (00) 0 0082071 941260002 4		



SHIP FROM: YOUR COMPANY NAME YOUR COMPANY ADDRESS COMPANY CITY,ST,ZIP	SHIP TO: MAURICE SPTG DC# 0011 1825 SHERMER ROAD NORTHBROOK, IL 60062
SHIP TO POSTAL CODE (420) 60062 	CARRIER: YELLOW FREIGHT PRO#: 123456789 B/L#: 123456789
PO#: 0123456789	CARTON 010 OF 105
VENDOR#: 1234567	CASE QNTY: 653
UPC CODE MIXED	CONTENTS: MIXED
 <00> 0 0072671 259740001 9	