



# **SANMINA CORPORATION**

## **SHIPPING SCHEDULE OUTBOUND**

**862**

**VERSION**

**004010**

**Prepared By:** Sanmina Information Technology & Services  
**Date:** March 24, 2020  
**Version:** 6

# 862 Shipping Schedule

Functional Group ID=SS

## Introduction:

This Standard contains the format and establishes the data contents of the Shipping Schedule Transaction Set (862) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used to convey precise shipping schedule requirements to a supplier, and is intended to supplement the planning schedule transaction set (830). The shipping schedule transaction set will supersede certain shipping and delivery information transmitted in a previous planning schedule transaction, but it does not replace the 830 transaction set. The shipping schedule transaction set shall not be used to authorize labor, materials or other resources.

**Note:** You will only receive 1 item per shipping schedule.

## Heading:

Pos. No.	Seg. ID	Name	X12 Req.	Sanmina Required	Max.Use	Loop Repeat	Notes and Comments
010	ST	Transaction Set Header	M	M	1		
020	BSS	Beginning segment for shipping schedule	M	M	1		
		LOOP ID - N1				200	
050	N1	Name	O	M	1		
100	PER	Administrative Communications Contact	O		3		

## Detail:

Pos. No.	Seg. ID	Name	X12 Req.	Sanmina Required	Max.Use	Loop Repeat	Notes and Comments
		LOOP ID - LIN				10000	
010	LIN	Item Identification	M	M	1		
020	UIT	Unit Detail	M	M	1		
050	REF	Reference Identification	O	O	12		
		LOOP ID - FST				100	
080	FST	Forecast Schedule	O	M	1		

## Summary:

Pos. No.	Seg. ID	Name	X12 Req.	Sanmina Required	Max.Use	Loop Repeat	Notes and Comments
010	CTT	Transaction Totals	O	M	1		
020	SE	Transaction Set Trailer	M	M	1		

**Available characters:** A-Z, a-z, 0-9, ., -, +, {, }, [, ], 9, 0, :, ;, %, |, <, >, !, ", \$, ~, ^, &, #, =, |, @

**Segment:** **ST** Transaction Set Header  
**Position:** 010  
**Loop:**  
**Level:** Heading  
**X12 Usage:** Mandatory  
**Sanmina Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** To indicate the start of a transaction set and to assign a control number  
**Syntax Notes:**  
**Semantic Notes:** 1 The transaction set identifier (ST01) used by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 810 selects the Invoice Transaction Set).  
**Comments:**

**Data Element Summary**

<u>Sanmina Required</u>	<u>Ref. Desc.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	ST01	143	<b>Transaction Set Identifier Code</b> Code uniquely identifying a Transaction Set 862 Shipping Schedule	ID 3/3
Must Use	ST02	329	<b>Transaction Set Control Number</b> Identifying control number assigned by the originator for a transaction set.	AN 4/9

ST~862~2{

**Segment:** **BSS** Beginning Segment for Shipping Schedule

**Position:** 020

**Loop:**

**Level:** Heading

**X12 Usage:** Mandatory

**Sanmina Usage:** Mandatory

**Max Use:** 1

**Purpose:** To transmit identifying numbers, dates and other basic data relating to the transaction set

**Syntax Notes:**

**Semantic Notes:**

**Comments:**

**Data Element Summary**

<u>Sanmina Required</u>	<u>Ref. Desc.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	<b>BSS01</b>	<b>353</b>	<b>Transaction Set Purpose Code</b> Code identifying purpose of transaction set. 00 Original (used when item is SMI) 47 Transfer (used when item is VCI)	<b>ID 2/2</b>
Must Use	<b>BSS02</b>	<b>127</b>	<b>Reference Identification</b> Release Number	<b>AN 1/30</b>
Must Use	<b>BSS03</b>	<b>373</b>	<b>Date</b> Date expressed as CCYYMMDD. Release Date	<b>DT 8/8</b>
Must Use	<b>BSS04</b>	<b>675</b>	<b>Schedule Date Qualifier</b> DL Delivery Based	<b>ID 2/2</b>
Must Use	<b>BSS05</b>	<b>675</b>	<b>Schedule Date</b> Date expressed as CCYYMMDD. Schedule Start Date	<b>DT 8/8</b>
Must Use	<b>BSS06</b>	<b>675</b>	<b>Schedule Date</b> Date expressed as CCYYMMDD. Schedule End Date	<b>DT 8/8</b>
Must Use	<b>BSS07</b>	<b>328</b>	<b>Release number</b> This number is the Delivery Identification Number – a concatenation of Sanmina’s release number, line number and shipment number. This number must be returned on the 856 transaction for SMI.	<b>AN 1/30</b>
Must Use	<b>BSS10</b>	<b>324</b>	<b>Purchase Order Number</b>	<b>AN 1/22</b>

BSS~00~2~20190730~DL~20190730~20200730~002001001~~~B29390784 {

**Segment:** **N1** Name  
**Position:** 050  
**Loop:** N1  
**Level:** Heading  
**X12 Usage:** Optional  
**Sanmina Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** To identify a party by type of organization, name, and code  
**Syntax Notes:** 1 At least one of N102 or N103 is required.  
 2 If either N103 or N104 is present, then the other is required.  
**Semantic Notes:**  
**Comments:** 1 This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.

Please use the following URL to find a complete list of ship to codes that may be used by Sanmina:  
<https://www.sanmina.com/partners/partner-programs/>

Scroll and look for PDF document "Ship to Address Codes".

### Data Element Summary

<u>Sanmina Required</u>	<u>Ref. Desc.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	N101	98	<b>Entity Identifier Code</b> Code identifying an organizational entity or a physical location. <b>Entity Identifier Code</b> Code identifying an organizational entity or a physical location. BT Bill-to-Party BY Buying Party ST Ship To SE Selling Party	ID 2/3
Must Use	N102	93	<b>Name</b> Free-form name	AN 1/60
Must Use	N103	66	<b>Identification Code Qualifier</b> Code designating the system/method of code structure used for Identification Code (67) 92 Assigned by Buyer or Buyer's Agent.	ID 1/2
Must Use	N104	67	<b>Identification Code</b> Code identifying a party or other code Sanmina's Bill-To code ID when N101 is BT DUNS Number when N101 is BY Sanmina's Ship-To ID code when N101 is ST Sanmina's supplier code for vendor when N101 is SE	AN 2/80

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N1~BT~New Location For US locations~92~NASSC-AP{  
N1~BY~Sanmina Corporation~92~79-877-8395{  
N1~ST~Sanmina Plant Laredo TX US~92~244417{  
N1~SE~XYZ Corporation~92~XYZ001}

**Segment: PER Administrative Communications Contact**

**Position:** 100

**Loop:** N1

**Level:** Heading

**X12 Usage:** Optional

**Sanmina Usage:** Mandatory

**Max Use:** >1

**Purpose:** To identify a person or office to whom administrative communications should be directed

**Syntax Notes:** 1 If either PER03 or PER04 is present, then the other is required.

2 If either PER05 or PER06 is present, then the other is required.

**Semantic Notes:**

**Comments:**

**Data Element Summary**

<u>Sanmina Required</u>	<u>Ref. Desc.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	PER01	366	<b>Contact Function Code</b> Code identifying the major duty or responsibility of the person or group named BD Buyer	ID 2/2
	PER02	93	<b>Name</b> Free-form name	AN 1/60
	PER03	365	<b>Communication Number Qualifier</b> Code Identifying the type of communication number TE Telephone	ID 2/2
	PER04	364	<b>Communication Number</b> Complete communications number including country or area code when applicable	AN 1/80
	PER05	365	<b>Communication Number Qualifier</b> Code Identifying the type of communication number EM Email Address	ID 2/2
	PER06	364	<b>Communication Number</b> Email Address of the contact person.	AN 1/80

PER~BD~Wiggy, Ziggy ~TE~(555)896-2237~EM~ziggy.wiggy@sanmina.com{

**Segment:** **LIN** Item Identification  
**Position:** 010  
**Loop:** LIN  
**Level:** Detail  
**X12 Usage:** Mandatory  
**Sanmina Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** To specify basic item identification data  
**Syntax Notes:**  
**Semantic Notes:**  
**Comments:**

**Data Element Summary**

<u>Sanmina Required</u>	<u>Ref. Desc.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	LIN 02	235	<b>Product/Service ID Qualifier</b> Code specifying the type/source of the descriptive number used in product service BP Buyer Part Number	ID 2/2
Must Use	LIN 03	234	<b>Product/Service ID</b> Sanmina's Part Number	AN 1/48
Must Use	LIN 04	235	<b>Product/Service ID Qualifier</b> Code specifying the type/source of the descriptive number used in product service MG Manufacturer's Part Number	ID 2/2
Must Use	LIN 05	234	<b>Product/Service ID</b> Manufacturer's Part Number	AN 1/48
	LIN06	235	<b>Product/Service ID Qualifier</b> Code specifying the type/source of the descriptive number used in product service EC Engineering Change Level	ID 2/2
	LIN07	234	<b>Product/Service ID</b> Revision Information	AN 1/48
Must Use	LIN 08	235	<b>Product/Service ID Qualifier</b> Code specifying the type/source of the descriptive number used in product service MF Manufacturer	ID 2/2
Must Use	LIN 09	234	<b>Product/Service ID</b> Manufacturer Name	AN 1/48

LIN~~BP~AX12384~MG~JS93847~EC~1~MF~XYZ Corporation{



**Segment:** **UIT Unit Detail**  
**Position:** 020  
**Loop:** LIN  
**Level:** Detail  
**X12 Usage:** Mandatory  
**Sanmina Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** To specify item unit date  
**Syntax Notes:**  
**Semantic Notes:**  
**Comments:**

**Data Element Summary**

<u>Sanmina Required</u>	<u>Ref. Desc.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	UIT01	C001	<b>Composite Unit of Measure</b> To identify a composite unit of measure (See Figures Appendix for examples of use)	
		355	<b>Unit or Basis for Measurement Code</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	ID 2/2

UIT~EA {

**Segment:** **REF** Reference Numbers  
**Position:** 050  
**Loop:** LIN  
**Level:** Detail  
**X12 Usage:** Optional  
**Sanmina Usage:** Mandatory  
**Max Use:** 12  
**Purpose:** To specify identifying numbers.  
**Syntax Notes:** 1 At least one of REF02 or REF03 is required.  
**Semantic Notes:**  
**Comments:**

**Data Element Summary**

<u>Sanmina Required</u>	<u>Ref. Desc.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	<b>REF01</b>	<b>128</b>	<b>Reference Identification Qualifier</b> Code qualifying the Reference Information ZZ Mutually Defined	<b>ID 2/2</b>
Must Use	<b>REF02</b>	<b>127</b>	<b>Reference Number</b> Sanmina Part Description	<b>AN 1/30</b>

REF~ZZ~JP3 WIDGET CONNECTOR 29}

**Segment:** **FST** Forecast Schedule  
**Position:** 080  
**Loop:** FST  
**Level:** Detail  
**X12 Usage:** Optional  
**Sanmina Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** To specify the forecasted dates and quantities  
**Syntax Notes:**  
**Semantic Notes:**  
**Comments:**

**Data Element Summary**

<u>Sanmina Required</u>	<u>Ref. Desc.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	<b>FST01</b>	<b>380</b>	<b>Quantity</b> Numeric value of quantity Release Quantity	<b>R 1/15</b>
Must Use	<b>FST02</b>	<b>680</b>	<b>Forecast qualifier</b> Code specifying the sender's confidence level of the forecast data or an action associated with a forecast C Firm	<b>ID 1/1</b>
Must Use	<b>FST03</b>	<b>681</b>	<b>Forecast Timing Qualifier</b> Code specifying interval grouping of the forecast D Discrete	<b>ID 1/1</b>
Must Use	<b>FST04</b>	<b>373</b>	<b>Date</b> Date expressed as CCYYMMDD Release Need by Date	<b>DT 8/8</b>

FST~2000~C~D~20190730{

**Segment:** **CTT Transaction Totals**  
**Position:** 010  
**Loop:** CTT  
**Level:** Summary  
**X12 Usage:** Optional  
**Sanmina Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** To transmit a hash total for a specific element in the transaction set  
**Syntax Notes:**  
**Semantic Notes:**  
**Comments:** 1 This segment is intended to provide hash totals to validate transaction completeness and correctness.

**Data Element Summary**

<u>Sanmina Required</u>	<u>Ref. Desc.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	CTT01	354	<b>Number of Line Items</b> Total number of line items in the transaction set Number of PO1 segments in this transaction set.	<b>N0 1/6</b>

CTT~1 {

**Segment:** **SE** Transaction Set Trailer  
**Position:** 020  
**Loop:**  
**Level:** Summary  
**X12 Usage:** Mandatory  
**Sanmina Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** To indicate the end of the transaction set and provide the count of the transmitted segments (including the beginning (ST) and ending (SE) segments)  
**Syntax Notes:**  
**Semantic Notes:**  
**Comments:** 1 SE is the last segment of each transaction set.

**Data Element Summary**

<u>Sanmina Required</u>	<u>Ref. Desc.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	SE01	96	<b>Number of Included Segments</b> Total number of segments included in a transaction set including ST and SE segments	<b>N0 1/10</b>
Must Use	SE02	329	<b>Transaction Set Control Number</b> Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	<b>AN 4/9</b>

SE~13~2 }

**Example: 862 Shipping Schedule**

ISA~00~ ~00~ ~01~SANMINACORP ~01~812557395  
~190730~0813~U~00401~000000570~0~P~>{  
GS~SS~SANMINACORP~812557395~20190730~0813~2855~X~004010{  
ST~862~2{  
BSS~00~2~20190730~DL~20190730~20200730~002001001~~~B29390784{  
N1~BT~New Location For US locations~92~NASSC-AP{  
N1~BY~Sanmina Corporation~92~79-877-8395{  
N1~ST~Sanmina Plant Laredo TX US~92~244417{  
PER~BD~Wiggy, Ziggy ~TE~(555)896-2237~EM~ziggy.wiggy@sanmina.com{  
N1~SE~XYZ Corporation~92~XYZ001{  
LIN~~BP~AX12384~MG~JS93847~EC~1~MF~XYZ Corporation{  
UIT~EA{  
REF~ZZ~JP3 WIDGET CONNECTOR 29{  
FST~2000~C~D~20190730{  
CTT~1{  
SE~13~2855{  
GE~1~2855{  
IEA~1~000000570{