



**SANMINA-SCI  
CORPORATION**

**PURCHASE ORDER  
ACKNOWLEDGMENT  
INBOUND**

**855**

**VERSION**

**004010**

**Prepared By : Sanmina-SCI Information Technology & Services**  
**Date: August 9, 2011**  
**Version : 13**

# 855 Purchase Order Acknowledgment

Functional Group ID=**PR**

## Introduction:

This standard contains the format and establishes the data contents of the Purchase Order Acknowledgment Transaction Set (850) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used to provide for customary and established business and industry practice relative to a seller's acknowledgment of a buyer's purchase order. This transaction set can also be used as notification of a vendor generated order. This usage advises a buyer that a vendor has or will ship merchandise as prearranged in their partnership.

## Heading:

Pos. No.	Seg. ID	Name	X12 Req.	Sanmina-SCI Required	Loop Max.Use	Repeat	Notes and Comments
010	ST	Transaction Set Header	M	Must Use	1		
020	BAK	Beginning Segment for Purchase Order Acknowledgment	M	Must Use	1		
040	CUR	Currency	O	Must Use	1		
		LOOP ID - N1				200	
300	N1	Name	O		1		
		LOOP ID - PO1				100000	
010	PO1	Baseline Item Data	O	Must Use	n2		
		LOOP ID - ACK				104	
270	ACK	Line Item Acknowledgment	O	Must Use	1		
		LOOP ID - SCH				200	
090	SCH	Line Item Schedule	O	Must Use	n4		
		LOOP ID - CTT				1	
010	CTT	Transaction Totals	O	Must Use	1		
030	SE	Transaction Set Trailer	M	Must Use	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-SCI 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-SCI Required</u>	<u>Ref. Desc.</u>	<u>Data Element</u>	<u>Name</u>	<u>X12 Attributes</u>
Must Use	ST01	143	<b>Transaction Set Identifier Code</b> Code uniquely identifying a Transaction Set 855 X12.1 Purchase Order Acknowledgment	<b>ID 3/3</b>
Must Use	ST02	329	<b>Transaction Set Control Number</b> Identifying control number assigned by the originator for a transaction set.	<b>AN 4/9</b>

ST~855~000000002 |

**Segment:** **BAK** Beginning Segment for Purchase Order Acknowledgment  
**Position:** 020  
**Loop:**  
**Level:** Heading  
**X12 Usage:** Mandatory  
**Sanmina-SCI Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** To indicate the beginning of the Purchase Order Acknowledgment Transaction Set and transmit identifying numbers and dates  
**Syntax Notes:**  
**Semantic Notes:**  
**Comments:** 1 BAK08 is the seller's order number.

**Data Element Summary**

<u>Sanmina-SCI Required</u>	<u>Ref. Desc.</u>	<u>Data Element</u>	<u>Name</u>	<u>X12 Attributes</u>
Must Use	<b>BAK01</b>	<b>353</b>	<b>Transaction Set Purpose Code</b> Code identifying purpose of transaction set. 00 Original	<b>ID 2/2</b>
Must Use	<b>BAK02</b>	<b>587</b>	<b>Acknowledgment Type</b> Code specifying the type of acknowledgment AC Acknowledgment – With Detail and Change. AD Acknowledgment – With Detail, No Change. RD Reject with Detail.	<b>ID 2/2</b>
Must Use	<b>BAK03</b>	<b>324</b>	<b>Purchase Order Number</b> Identifying number for Purchase Order assigned by the orderer/purchaser	<b>AN 1/22</b>
Must Use	<b>BAK04</b>	<b>373</b>	<b>Date</b> Date expressed as CCYYMMDD. <i>Purchase Order Date.</i>	<b>DT 8/8</b>
	<b>BAK05</b>	<b>328</b>	<b>Release Number</b> Number identifying a release against a Purchase Order previously placed by the parties involved in the transaction. <i>If the original transaction was a Blanket Release then this field must contain the release number.</i>	<b>AN 1/30</b>
	<b>BAK08</b>	<b>127</b>	<b>Reference Identification</b> Seller's order number.	<b>AN 1/30</b>
Must Use	<b>BAK09</b>	<b>373</b>	<b>Date</b> Date expressed as CCYYMMDD. <i>Acknowledgment date.</i>	<b>DT 8/8</b>

BAK~00~AC~M29823406~20111208~~~~~20111209 }

**Segment:** **CUR** Currency  
**Position:** 040  
**Loop:**  
**Level:** Heading  
**X12 Usage:** Optional  
**Sanmina-SCI Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** To specify the currency (dollars, pounds, francs, etc.) used in a transaction  
**Syntax Notes:**

- 1 If CUR08 is present, then CUR07 is required.
- 2 If CUR09 is present, then CUR07 is required.
- 3 If CUR10 is present, then at least one of CUR11 or CUR12 is required.
- 4 If CUR11 is present, then CUR10 is required.
- 5 If CUR12 is present, then CUR10 is required.
- 6 If CUR13 is present, then at least one of CUR14 or CUR15 is required.
- 7 If CUR14 is present, then CUR13 is required.
- 8 If CUR15 is present, then CUR13 is required.
- 9 If CUR16 is present, then at least one of CUR17 or CUR18 is required.
- 10 If CUR17 is present, then CUR16 is required.
- 11 If CUR18 is present, then CUR16 is required.
- 12 If CUR19 is present, then at least one of CUR20 or CUR21 is required.
- 13 If CUR20 is present, then CUR19 is required.
- 14 If CUR21 is present, then CUR19 is required.

**Semantic Notes:**  
**Comments:**

**Data Element Summary**

<u>Sanmina-SCI Required</u>	<u>Ref. Desc.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	<b>CUR01</b>	<b>98</b>	<b>Entity Identifier Code</b> Code identifying an organizational entity or a physical location. BY Buying Party(Purchaser)	<b>ID 2/2</b>
Must Use	<b>CUR02</b>	<b>100</b>	<b>Currency Code</b> Code (Standard ISO) for country in whose currency the charges are specified	<b>ID 3/3</b>

CUR~BY~USD}

- Segment:** **N1** Name  
**Position:** 300  
**Loop:** N1  
**Level:** Heading  
**X12 Usage:** Optional  
**Sanmina-SCI Usage:** Optional  
**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.  
 2 N105 and N106 further define the type of entity in N101.

The following URL is where you will find a complete list of ship to codes that may be used by Sanmina-SCI.

<http://sanmina-sci.com/topsections/topsections/partners-access/partner-programs/>

Scroll to the bottom of the page and look for PDF document "[Ship to Address Codes](#)".

**Data Element Summary**

<u>Sanmina-SCI Required</u>	<u>Ref. Desc.</u>	<u>Data Element</u>	<u>Name</u>	<u>X12 Attributes</u>
Must Use	N101	98	<b>Entity Identifier Code</b> Code identifying an organizational entity or a physical location.  ST Ship To	ID 2/3
Must Use	N102	93	<b>Name</b> Free-form name	AN 1/60
	N103	66	<b>Identification Code Qualifier</b> Code designating the system/method of code structure used for Identification Code (67) 91 Assigned by Seller or Seller's Agent. 92 Assigned by Buyer or Buyer's Agent.	ID 1/2
	N104	67	<b>Identification Code</b> Code identifying a party or other code. <i>Sanmina-SCI's Internal code used to identify Ship-To Location.</i>	AN 2/80

N1~ST~SANMINA-SCI CORPORATION~92~443417 }

- Segment:** **PO1** **Baseline Item Data**
- Position:** 010
- Loop:** PO1
- Level:** Detail
- X12 Usage:** Optional
- Sanmina-SCI Usage:** Mandatory
- Max Use:** 1
- Purpose:** To specify basic and most frequently used line item data
- Syntax Notes:**
- 1 If PO103 is present, then PO102 is required.
  - 2 If PO105 is present, then PO104 is required.
  - 3 If either PO106 or PO107 is present, then the other is required.
  - 4 If either PO108 or PO109 is present, then the other is required.
  - 5 If either PO110 or PO111 is present, then the other is required.
  - 6 If either PO112 or PO113 is present, then the other is required.
  - 7 If either PO114 or PO115 is present, then the other is required.
  - 8 If either PO116 or PO117 is present, then the other is required.
  - 9 If either PO118 or PO119 is present, then the other is required.
  - 10 If either PO120 or PO121 is present, then the other is required.
  - 11 If either PO122 or PO123 is present, then the other is required.
  - 12 If either PO124 or PO125 is present, then the other is required.
- Semantic Notes:**
- Comments:**
- 1 See the Data Element Dictionary for a complete list of IDs.
  - 2 PO101 is the line item identification.
  - 3 PO106 through PO125 provide for ten different product/service IDs per each item. For example: Case, Color, Drawing No., U.P.C. No., ISBN No., Model No., or SKU.

**Data Element Summary**

<u>Sanmina-SCI Required</u>	<u>Ref. Desc.</u>	<u>Data Element</u>	<u>Name</u>	<u>X12 Attributes</u>
Must Use	<b>PO101</b>	<b>350</b>	<b>Assigned Identification</b> Alphanumeric characters assigned for differentiation within a transaction set <i>Sanmina-SCI's purchase order line number.</i>	<b>AN 1/20</b>
Must Use	<b>PO102</b>	<b>330</b>	<b>Quantity Ordered</b> Quantity Ordered	<b>R 1/15</b>
Must Use	<b>PO103</b>	<b>355</b>	<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. (EA)	<b>ID 2/2</b>
Must Use	<b>PO104</b>	<b>212</b>	<b>Unit Price</b> Price per unit of product, service, commodity, etc.	<b>R 1/17</b>
	<b>PO105</b>	<b>639</b>	<b>Basis of Unit Price Code</b> Code identifying the type of unit price for an item	<b>ID 2/2</b>
Must Use	<b>PO106</b>	<b>235</b>	<b>Product/Service ID Qualifier</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234) BP Buyer's Part Number	<b>AN 2/2</b>
Must Use	<b>PO107</b>	<b>234</b>	<b>Product/Service ID</b> Identifying number for a product or service. <i>Sanmina-SCI's Part Number</i>	<b>AN 1/48</b>

Must Use	<b>PO108</b>	<b>235</b>	<b>Product/Service ID Qualifier</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234) MG Manufacturer's Part Number	<b>AN 2/2</b>
Must Use	<b>PO109</b>	<b>234</b>	<b>Product/Service ID</b> Identifying number for a product or service. <i>Manufacturer's Part Number</i>	<b>AN 1/48</b>

PO1~001~4000~EA~115.10~PE~BP~1206504A6A~MG~12A1234}

**Segment:** **ACK** Line Item Acknowledgment  
**Position:** 270  
**Loop:** ACK  
**Level:** Detail  
**X12 Usage:** Optional  
**Sanmina-SCI Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** To acknowledge the ordered quantities and specify the ready date for a specific line item

**Syntax Notes:**

- 1 If ACK02 is present, then ACK03 is required.
- 2 If ACK04 is present, then ACK05 is required.
- 3 If ACK07 is present, then ACK08 is required.
- 4 If ACK09 is present, then ACK10 is required.
- 5 If ACK11 is present, then ACK12 is required.
- 6 If ACK13 is present, then ACK14 is required.
- 7 If ACK15 is present, then ACK16 is required.
- 8 If ACK17 is present, then ACK18 is required.
- 9 If ACK19 is present, then ACK20 is required.
- 10 If ACK21 is present, then ACK22 is required.
- 11 If ACK23 is present, then ACK24 is required.
- 12 If ACK25 is present, then ACK26 is required.

**Semantic Notes:**

**Comments:** 1 See **NOTES** section at bottom of document.

**Data Element Summary**

<u>Sanmina-SCI Required</u>	<u>Ref. Desc.</u>	<u>Data Element</u>	<u>Name</u>	<u>X12 Attributes</u>
Must Use	ACK01	668	<b>Line Item Status Code</b> Code specifying the action taken by the seller on a line item requested by the buyer AC Item Accepted and Shipped AR Item Accepted and Released for Shipment BP Item Accepted – Partial Shipment, Balance Back-ordered DR Item Accepted – Date Rescheduled IA Item Accepted IB Item Back Ordered IC Item Accepted – Changes Made IH Item on Hold IP Item Accepted – Price Changed IQ Item Accepted – Quantity Changed IR Item Rejected	ID 2/2
Must Use	ACK02	380	<b>Quantity</b> Numeric value of quantity. <i>POI Quantity.</i>	R 1/15
Must Use	ACK03	355	<b>Unit or Basis for Measurement Code</b> Code identifying the basic unit of measurement.	ID 3/3

ACK~AC~4000~EA }

**Segment:** **SCH** Line Item Schedule  
**Position:** 310  
**Loop:** SCH  
**Level:** Detail  
**X12 Usage:** Optional  
**Sanmina-SCI Usage:** Mandatory  
**Max Use:** 200  
**Purpose:** To specify the data for scheduling a specific line-item  
**Syntax Notes:**

- 1 If SCH03 is present, then SCH04 is required.
- 2 If SCH08 is present, then at least one of SCH09 or SCH10 is required.
- 3 If SCH09 is present, then SCH08 is required.
- 4 If SCH10 is present, then SCH08 is required.

**Semantic Notes:**

- 1 SCH12 is the schedule identification.

**Comments:**

- 1 SCH05 specifies the interpretation to be used for SCH06 and SCH07.
- 2 See **NOTES** section at bottom of document.

**Data Element Summary**

<u>Sanmina-SCI Required</u>	<u>Ref. Desc.</u>	<u>Data Element</u>	<u>Name</u>	<u>X12 Attributes</u>
Must Use	SCH01	380	<b>Quantity</b> Numeric value of quantity	<b>R 1/15</b>
Must Use	SCH02	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.	<b>ID 2/2</b>
Must Use	SCH05	374	<b>Date/Time Qualifier</b> Code specifying type of date or time, or both date and time 002 Delivery Requested	<b>ID 3/3</b>
Must Use	SCH06	373	<b>Date</b> Date expressed as CCYYMMDD <i>Original Request Date - Equals 850 field SCH06 or 830 field FST04</i>	<b>DT 8/8</b>
Must Use	SCH08	374	<b>Date/Time Qualifier</b> Code specifying type of date or time, or both date and time 069 Promised for Delivery	<b>ID 3/3</b>
Must Use	SCH09	373	<b>Date</b> Date expressed as CCYYMMDD <i>Date Supplier confirms shipment to arrive at Sanmina-SCI.</i>	<b>DT 8/8</b>

SCH~4000~EA~~~002~20111212~~069~20111217}

See notes section on page 13 of this document.

**Segment:** **CTT** Transaction Totals  
**Position:** 010  
**Loop:** CTT  
**Level:** Summary  
**X12 Usage:** Optional  
**Sanmina-SCI Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** To transmit a hash total for a specific element in the transaction set  
**Syntax Notes:** 1 If either CTT03 or CTT04 is present, then the other is required.  
 2 If either CTT05 or CTT06 is present, then the other is required.  
**Semantic Notes:**  
**Comments:** 1 This segment is intended to provide hash totals to validate transaction completeness and correctness.

**Data Element Summary**

<u>Sanmina-SCI Required</u>	<u>Ref. Desc.</u>	<u>Data Element</u>	<u>Name</u>	<u>X12 Attributes</u>
Must Use	CTT01	354	<b>Number of Line Items</b> Total number of line items in the transaction set <i>Number of PO1 segments in this transaction set.</i>	<b>N0 1/6</b>

CTT~1 }

**Segment:** **SE** Transaction Set Trailer  
**Position:** 030  
**Loop:**  
**Level:** Summary  
**X12 Usage:** Mandatory  
**Sanmina-SCI 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-SCI Required</u>	<u>Ref. Desc.</u>	<u>Data Element</u>	<u>Name</u>	<u>X12 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~9~000000002}

**NOTES on SCH Formats:**

Specifically in response to an 830E document, the 855 SCH06 should be a turnaround to the 830E FST04 (where the FST02 is "C").

**Example of the 830E:** FST\*2500\*C\*W\*20111205{

**The corresponding 855:** SCH\*2500\*EA\*\*\*002\*20111205\*\*069\*20111209{

Specifically in response to an 850 document, the 855 SCH06 should be a turnaround to the 850 SCH06.

**Example of the 850:** SCH\*400\*EA\*\*\*002\*20110209\*\*069\*20110216{

**The corresponding 855:** SCH\*400\*EA\*\*\*002\*20110209\*\*069\*20110216{

If returning multiple 855s to a single outbound request of Sanmina's, SCH06 must always be the original request date. In the case of 830E, even if Supplier's 855 is sent the week AFTER the firm release was originally transmitted Supplier must send the original request date.

**The first 855:** SCH\*2500\*EA\*\*\*002\*20111205\*\*069\*20111215{

**The second 855:** SCH\*2500\*EA\*\*\*002\*20111205\*\*069\*20111209{

**The third 855:** SCH\*2500\*EA\*\*\*002\*20111205\*\*069\*20111208{

If Supplier splits a schedule, both lines of the 855 should maintain the request date.

**Example of the 830E:** FST~40000~C~W~20111128{

**The corresponding 855:**

PO1\*1\*8000\*EA\*0.14\*PE\*BP\*ABCDEF1991\*MG\*WIDGET7{

ACK\*IA\*8000\*EA{

SCH\*8000\*EA\*\*\*002\*20051128\*\*069\*20111215{

PO1\*1\*32000\*EA\*0.0014\*PE\*BP\*ABCDEF1991\*MG\*WIDGET7{

ACK\*IA\*32000\*EA{

SCH\*32000\*EA\*\*\*002\*20111128\*\*069\*20120320{

Or, use this format:

**Example of the 830E:** FST~40000~C~W~20051128{

**The corresponding 855:**

PO1\*1\*40000\*EA\*0.14\*PE\*BP\*ABCDEF1991\*MG\*WIDGET7{

ACK\*IA\*8000\*EA{

ACK\*IA\*32000\*EA{

SCH\*8000\*EA\*\*\*002\*20051128\*\*069\*20111215{

SCH\*32000\*EA\*\*\*002\*20111128\*\*069\*20120320{

**EXAMPLE 1: 855 Purchase Order Acknowledgment**

ISA~00~ ~00~ ~01~058895921 ~01~SANMINACORP  
~110610~1355~U~00401~000000002~0~P}  
GS~PR~058895921~SANMINACORP~20110610~1355~2~X~004010}  
ST~855~000000002}  
BAK~00~AC~M29823406~20111208~~~~~20111209}  
CUR~BY~USD}  
N1~ST~SANMINA~SCI CORPORATION~92~443417}  
PO1~001~4000~EA~115.10~PE~BP~1206504A6A~MG~12A1234}  
ACK~AC~4000~EA}  
SCH~4000~EA~~~002~20111212~~069~20111217}  
CTT~1}  
SE~9~000000002}  
GE~1~2}  
IEA~1~000000002}

**EXAMPLE 2: 855 Purchase Order Acknowledgment**

ISA~00~ ~00~ ~01~058895921 ~01~SANMINACORP  
~110610~1355~U~00401~000000002~0~P}  
GS~PR~058895921~SANMINACORP~20110610~1355~2~X~004010}  
ST~855~000000002}  
BAK~00~AC~M29823406~20111208~~~~~20111209}  
CUR~BY~USD}  
N1~ST~SANMINA~SCI CORPORATION~92~443417}  
PO1~001~1000~EA~115.10~PE~BP~1206504A6A~MG~12A1234}  
ACK~AC~1000~EA}  
SCH~1000~EA~~~002~20111212~~069~20111217}  
PO1~001~3000~EA~115.10~PE~BP~1206504A6A~MG~12A1234}  
ACK~AC~3000~EA}  
SCH~3000~EA~~~002~20111212~~069~20120125}  
CTT~1}  
SE~12~000000002}  
GE~1~2}  
IEA~1~000000002}

**EXAMPLE 3: 855 Purchase Order Acknowledgment**

ISA~00~ ~00~ ~01~058895921 ~01~SANMINACORP  
~110610~1355~U~00401~000000002~0~P}  
GS~PR~058895921~SANMINACORP~20110610~1355~2~X~004010}  
ST~855~000000002}  
BAK~00~AC~M29823406~20111208~~~~~20111209}  
CUR~BY~USD}  
N1~ST~SANMINA~SCI CORPORATION~92~443417}  
PO1~001~4000~EA~115.10~PE~BP~1206504A6A~MG~12A1234}  
ACK~AC~1000~EA}  
ACK~AC~3000~EA}  
SCH~1000~EA~~~002~20111212~~069~20111217}  
SCH~3000~EA~~~002~20111212~~069~20120125}  
CTT~1}  
SE~11~000000002}  
GE~1~2}  
IEA~1~000000002}