



SANMINA CORPORATION

PURCHASE ORDER ACKNOWLEDGMENT INBOUND

855

VERSION

004010

Prepared By: Sanmina Information Technology & Services
Date : February 26, 2020
Version : 17

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 Required	Max Use	Loop 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		

Detail:

Pos No	Seg. ID	Name	X12 Req.	Sanmina Required	Max Use	Loop Repeat	Notes and Comments
		LOOP ID – PO1				100000	
010	PO1	Baseline Item Data	O	Must Use			
		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			

Summary:

Pos No	Seg. ID	Name	X12 Req.	Sanmina Required	Max Use	Loop Repeat	Notes and Comments
		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 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).

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	Transaction Set Identifier Code Code uniquely identifying a Transaction Set 855 X12.1 Purchase Order Acknowledgment	ID 3/3
Must Use	ST02	329	Transaction Set Control Number Identifying control number assigned by the originator for a transaction set.	AN 4/9

ST~855~000000002 |

Segment: **BAK** Beginning Segment for Purchase Order Acknowledgment
Position: 020
Loop:
Level: Heading
X12 Usage: Mandatory
Sanmina Usage: Mandatory
Max Use: 1
Purpose: To indicate the beginning of the Purchase Order Acknowledgment Transaction Set and transmit identifying numbers and dates

Data Element Summary

<u>Sanmina Required</u>	<u>Ref. Desc.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	BAK01	353	Transaction Set Purpose Code Code identifying purpose of transaction set. 00 Original	ID 2/2
Must Use	BAK02	587	Acknowledgment Type Code specifying the type of acknowledgment AC Acknowledgment - With Detail and Change. AD Acknowledgment - With Detail, No Change. RD Reject with Detail.	ID 2/2
Must Use	BAK03	324	Purchase Order Number Identifying number for Purchase Order assigned by the orderer/purchaser. <i>PO Release Number can be concatenated here with a dash but preference is for supplier to provide Release Number in the BAK05</i>	AN 1/22
Must Use	BAK04	373	Date Date expressed as CCYYMMDD. <i>Purchase Order Date.</i>	DT 8/8
	BAK05	328	Release Number Number identifying a release against an order previously placed by the parties involved in the transaction. <i>If the original transaction was a Blanket PO Release the PO release number should be sent in this field (or the Release Number can be provided in the BAK03 as detailed above - preference is to use the BAK05)</i>	AN 1/30
	BAK08	127	Reference Identification Seller's order number.	AN 1/30
Must Use	BAK09	373	Date Date expressed as CCYYMMDD. <i>Acknowledgment date.</i>	DT 8/8

No Release # example:

BAK~00~AC~B29823406~20111208~~~~20111209}

PO-Release # Combined in BAK03 example:

BAK~00~AC~B29823406-5~20111208~~~~20111209}

Release # in BAK05 example:

BAK~00~AC~B29823406~20111208~5~~~~20111209}

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

Data Element Summary

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

CUR~BY~USD }

Segment: **N1** Name
Position: 300
Loop: N1
Level: Heading
X12 Usage: Optional
Sanmina 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.

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	Entity Identifier Code Code identifying an organizational entity or a physical location. ST Ship To	ID 2/3
Must Use	N102	93	Name Free-form name	AN 1/60
	N103	66	Identification Code Qualifier 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	Identification Code Code identifying a party or other code. <i>Sanmina's Internal code used to identify Ship-To Location.</i>	AN 2/80

N1~ST~SANMINA CORPORATION~92~443417}

Segment: **PO1** Baseline Item Data
Position: 010
Loop: PO1
Level: Detail
X12 Usage: Optional
Sanmina 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.

Data Element Summary

<u>SanminaRequired</u>	<u>Ref. Desc.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	PO101	350	Assigned Identification Alphanumeric characters assigned for differentiation within a transaction set <i>Sanmina's purchase order line number.</i>	AN 1/20
Must Use	PO102	330	Quantity Ordered Quantity Ordered	R 1/15
Must Use	PO103	355	Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken. (EA)	ID 2/2
Must Use	PO104	212	Unit Price Price per unit of product, service, commodity, etc.	R 1/17
	PO105	639	Basis of Unit Price Code Code identifying the type of unit price for an item	ID 2/2
Must Use	PO106	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234) BP Buyer's Part Number	AN 2/2
Must Use	PO107	234	Product/Service ID Identifying number for a product or service. <i>Sanmina's Part Number</i>	AN 1/48
Must Use	PO108	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234) MG Manufacturer's Part Number	AN 2/2
Must Use	PO109	234	Product/Service ID Identifying number for a product or service. <i>Manufacturer's Part Number</i>	AN 1/48

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

Data Element Summary

<u>SanminaRequired</u>	<u>Ref. Desc.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	ACK01	668	Line Item Status Code 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	Quantity Numeric value of quantity. <i>See notes section on page 13 of this document.</i>	R 1/15
Must Use	ACK03	355	Unit or Basis for Measurement Code 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 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.
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 Required</u>	<u>Ref. Desc.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	SCH01	380	Quantity Numeric value of quantity	R 1/15
Must Use	SCH02	355	Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken.	ID 2/2
Must Use	SCH05	374	Date/Time Qualifier Code specifying type of date or time, or both date and time 002 Delivery Requested	ID 3/3
Must Use	SCH06	373	Date Date expressed as CCYYMMDD <i>Original Request Date - Equals 850 field SCH06 or 830 field FST04</i>	DT 8/8
Must Use	SCH08	374	Date/Time Qualifier Code specifying type of date or time, or both date and time 069 Promised for Delivery	ID 3/3
Must Use	SCH09	373	Date Date expressed as CCYYMMDD <i>Date Supplier confirms shipment to arrive at Sanmina.</i>	DT 8/8

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

CTT~1 }

Segment: **SE** Transaction Set Trailer
Position: 030
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	Number of Included Segments Total number of segments included in a transaction set including ST and SE segments	N0 1/10
Must Use	SE02	329	Transaction Set Control Number Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	AN 4/9

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*20111128**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~20111128{

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*20111128**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 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~M29823406~5~20111208~~~~20111209}
 CUR~BY~USD}
 N1~ST~SANMINA 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~M29823406~20111208~5~~~~20111209}
 CUR~BY~USD}
 N1~ST~SANMINA 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}