# SANMINA CORPORATION

## PURCHASE ORDER ACKNOWLEDGMENT INBOUND

## 855

## VERSION

## 004010

**Prepared By: Sanmina Information Technology & Services**
**Date          : November 18, 2015**
**Version       : 16**

# 855 Purchase Order Acknowledgment

<div align="right">

**Functional Group ID=PR**

</div>

**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**

| Sanmina Required | Ref. Desc. | Data Element | Name | Attributes |
|---|---|---|---|---|
| Must Use | **ST01** | **143** | **Transaction Set Identifier Code** <br> Code uniquely identifying a Transaction Set <br> 855    X12.1 Purchase Order Acknowledgment | **ID 3/3** |
| Must Use | **ST02** | **329** | **Transaction Set Control Number** <br> 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

| Sanmina Required | Ref. Desc. | Data Element | Name | Attributes |
|---|---|---|---|---|
| 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. *PO Release Number can be concatenated here with a dash but preference is for supplier to provide Release Number in the BAK05* | **AN 1/22** |
| Must Use | BAK04 | 373 | **Date** Date expressed as CCYYMMDD. *Purchase Order Date.* | **DT 8/8** |
| | BAK05 | 328 | **Release Number** Number identifying a release against an order previously placed by the parties involved in the transaction. *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)* | **AN 1/30** |
| | BAK08 | 127 | **Reference Identification** Seller's order number. | **AN 1/30** |
| Must Use | BAK09 | 373 | **Date** Date expressed as CCYYMMDD. *Acknowledgment date.* | **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**

| Sanmina Required | Ref. Desc. | Data Element | Name | Attributes |
|---|---|---|---|---|
| Must Use | CUR01 | 98 | **Entity Identifier Code**<br>Code identifying an organizational entity or a physical location.<br>BY Buying Party(Purchaser) | **ID 2/2** |
| Must Use | CUR02 | 100 | **Currency Code**<br>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. |

The following URL is where you will find a complete list of ship to codes that may be used by Sanmina:   http://www.sanmina.com/partners-access/partner-programs/index.php

Scroll to the bottom of the page and look for PDF document "Ship to Address Codes".

**Data Element Summary**

| Sanmina Required | Ref. Desc. | Data Element | Name | Attributes |
|---|---|---|---|---|
| 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. *Sanmina's Internal code used to identify Ship-To Location*. | **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

| Sanmina Required | Ref. Desc. | Data Element | Name | Attributes |
|---|---|---|---|---|
| Must Use | **PO101** | **350** | **Assigned Identification** Alphanumeric characters assigned for differentiation within a transaction set *Sanmina's purchase order line number.* | **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. *Sanmina's Part Number* | **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. *Manufacturer's Part Number* | **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

| Sanmina Required | Ref. Desc. | Data Element | Name | Attributes |
|---|---|---|---|---|
| Must Use | **ACK01** | **668** | **Line Item Status Code** Code specifying the action taken by the seller on a line item requested by the buyer<br>AC    Item Accepted and Shipped<br>AR    Item Accepted and Released for Shipment<br>BP    Item Accepted – Partial Shipment, Balance Back-ordered<br>DR    Item Accepted – Date Rescheduled<br>IA    Item Accepted<br>IB    Item Back Ordered<br>IC    Item Accepted – Changes Made<br>IH    Item on Hold<br>IP    Item Accepted – Price Changed<br>IQ    Item Accepted – Quantity Changed<br>IR    Item Rejected | **ID 2/2** |
| Must Use | **ACK02** | **380** | **Quantity** Numeric value of quantity. *See notes section on page 13 of this document.* | **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

| Sanmina Required | Ref. Desc. | Data Element | Name | Attributes |
|---|---|---|---|---|
| Must Use | **SCH01** | **380** | **Quantity**<br>Numeric value of quantity | **R 1/15** |
| Must Use | **SCH02** | **355** | **Unit or Basis for Measurement Code**<br>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**<br>Code specifying type of date or time, or both date and time<br>    002    Delivery Requested | **ID 3/3** |
| Must Use | **SCH06** | **373** | **Date**<br>Date expressed as CCYYMMDD<br>*Original Request Date - Equals 850 field SCH06 or 830 field FST04* | **DT 8/8** |
| Must Use | **SCH08** | **374** | **Date/Time Qualifier**<br>Code specifying type of date or time, or both date and time<br>069    Promised for Delivery | **ID 3/3** |
| Must Use | **SCH09** | **373** | **Date**<br>Date expressed as CCYYMMDD<br>*Date Supplier confirms shipment to arrive at Sanmina.* | **DT 8/8** |

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

| | | |
|---|---|---|
| **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**

| Sanmina Required | Ref. Desc. | Data Element | Name | Attributes |
|---|---|---|---|---|
| Must Use | CTT01 | 354 | **Number of Line Items** <br> Total number of line items in the transaction set <br> *Number of PO1 segments in this transaction set.* | **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

| Sanmina Required | Ref. Desc. | Data Element | Name | Attributes |
|---|---|---|---|---|
| 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}
```