



SANMINA

# SANMINA

**EDI OUTBOUND INVRPT MESSAGE**

**VERSION: D97A**

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<b>Trading Partner:</b>	<b>All EDI Suppliers</b>
<b>Created:</b>	<b>July 8, 2016</b>



## DOCUMENT REVISION

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1	July 8 2016	Ellen	Original document
2	Aug 8 2016	Ellen	Revision 1



# INVRPT

## INVENTORY REPORT MESSAGE

This specification provides the definition of the Inventory report message (INVRPT) to be used in Electronic Data Interchange (EDI) between trading partners involved in administration, commerce and transport

**Segments:**

Pos	Tag	Segment Name	EDIFACT Required	Repetition	Notes	Sanmina Required
	UNB	INTERCHANGE HEADER	M	1		Must use

**Heading:**

Pos	Tag	Segment Name	EDIFACT Required	Repetition	Notes	Sanmina Required
0010	UNH	MESSAGE HEADER	M	1		Must use
0020	BGM	BEGINNING OF MESSAGE	M	1		Must use
0040	DTM	DATE/TIME/PERIOD	M	10		Must use
0080		<u>Segment Group 2</u>	O	20		Must use
0090	NAD	Name and Address	M	1		Must use

**Detail:**

Pos	Tag	Segment Name	EDIFACT Required	Repetition	Notes	Sanmina Required
0290		<u>Segment Group 9</u>	O	9999		Must use
0300	LIN	Line Item	M	1		Must use
0310	PIA	Additional product id	M	1		Must use
0420		<u>Segment Group 11</u>	O	9999		Must use
0430	INV	Inventory Management Related Details	M	1		Must use
0440	QTY	Quantity	M	1		Must use
0490		<u>Segment Group 12</u>	O	100		Must use
0500	NAD	Name and Address	M	1		Must use

**Summary:**

Pos	Tag	Segment Name	EDIFACT Required	Repetition	Notes	Sanmina Required
0700	UNT	MESSAGE TRAILER	M	1		Must use

**Segments:**

Pos	Tag	Segment Name	EDIFACT Required	Repetition	Notes	Sanmina Required
	UNZ	INTERCHANGE TRAILER	M	1		Must use



<b>UNB</b>	<b>INTERCHANGE HEADER</b>	<b>Pos:</b>	<b>Max: 1</b>
		<b>Group: N/A</b>	<b>Elements: 7</b>

To start, identify and specify an interchange.

**Element Summary:**

<u>Ref</u>	<u>Tag</u>	<u>Element Name</u>	<u>Sanmina Required</u>	<u>Type</u>	<u>Min/Max</u>				
UNB010	S001	SYNTAX IDENTIFIER	M	Comp					
	0001	Syntax identifier	M	A	4/4				
		<table border="0"> <tr> <td><u>Code</u></td> <td><u>Name</u></td> </tr> <tr> <td>UNOA</td> <td>UN/ECE level A</td> </tr> </table>	<u>Code</u>	<u>Name</u>	UNOA	UN/ECE level A			
<u>Code</u>	<u>Name</u>								
UNOA	UN/ECE level A								
	0002	Syntax version number	M	N	0/1				
		<table border="0"> <tr> <td><u>Code</u></td> <td><u>Name</u></td> </tr> <tr> <td>1</td> <td>Version 1</td> </tr> </table>	<u>Code</u>	<u>Name</u>	1	Version 1			
<u>Code</u>	<u>Name</u>								
1	Version 1								
UNB020	S002	INTERCHANGE SENDER	M	Comp					
	0004	Sender identification Sanmina's mailbox details are: Production:- SANMINACORP Test:- SANMINACORT		AN	0/35				
	0007	Partner identification code qualifier Sanmina's qualifier details are: Production:- 01 Test:- ZZ	C	AN	0/4				
UNB030	S003	INTERCHANGE RECIPIENT	M	Comp					
	0010	Recipient identification Supplier's UNB receiver ID	M	AN	0/35				
	0007	Partner identification code qualifier Supplier's UNB receiver ID qualifier	C	AN	0/4				
	0014	Routing Address Routing address of supplier – if applicable	C	AN	0/14				
UNB040	S004	DATE/TIME OF PREPARATION	M	Comp					
	0017	Date of preparation Date when the EDI translator generated the INVRPT message. Date format = yymmdd Date is always in Pacific Time (PST).	M	N	6/6				
	0019	Time of preparation Time when the EDI translator generated the INVRPT message. Time format = hhmm Time is always in Greenwich Mean Time (GMT)	M	N	4/4				
UNB050	0020	INTERCHANGE CONTROL REFERENCE Sanmina sequentially generated UNB control number.	M	AN	0/14				
UNB070	0026	APPLICATION REFERENCE	C	AN	0/14				
UNB110	0035	TEST INDICATOR Indication that the interchange is a test. Set to 1 if the interchange is a test. Otherwise not used.	C	N	1				

**Segment Example:**

UNB+UNOA:1+SANMINACORP:01+SupplierID:SupplierQualifier:SupplierRouting Address+020712:0935+1+INVRPT'

**UNH****MESSAGE HEADER**

Pos: 0010	Max: 1
Heading - Mandatory	
Group: N/A	Elements: 2

To head, identify and specify a message.

**Element Summary:**

<u>Ref</u>	<u>Tag</u>	<u>Element Name</u>	<u>Sanmina Required</u>	<u>Type</u>	<u>Min/Max</u>				
UNH010	0062	<b>MESSAGE REFERENCE NUMBER</b> Sanmina sequentially generated message control number. Must match the UNT020 control number.	M	AN	0/14				
UNH020	S009	<b>MESSAGE IDENTIFIER</b>	M	Comp					
	0065	<b>Message type identifier</b>  <table border="0"> <tr> <td><u>Code</u></td> <td><u>Name</u></td> </tr> <tr> <td>INVRPT</td> <td>Delivery just in time message</td> </tr> </table>	<u>Code</u>	<u>Name</u>	INVRPT	Delivery just in time message	M	AN	0/6
<u>Code</u>	<u>Name</u>								
INVRPT	Delivery just in time message								
	0052	<b>Message type version number</b>  <table border="0"> <tr> <td><u>Code</u></td> <td><u>Name</u></td> </tr> <tr> <td>D</td> <td>Draft</td> </tr> </table>	<u>Code</u>	<u>Name</u>	D	Draft	M	AN	0/3
<u>Code</u>	<u>Name</u>								
D	Draft								
	0054	<b>Message type release number</b>  <table border="0"> <tr> <td><u>Code</u></td> <td><u>Name</u></td> </tr> <tr> <td>97A</td> <td>Release 97A</td> </tr> </table>	<u>Code</u>	<u>Name</u>	97A	Release 97A	M	AN	0/3
<u>Code</u>	<u>Name</u>								
97A	Release 97A								
	0051	<b>Controlling agency</b>  <table border="0"> <tr> <td><u>Code</u></td> <td><u>Name</u></td> </tr> <tr> <td>UN</td> <td>UN/ECE/TRADE/WP.4, United Nations Standard Messages (UNSM)</td> </tr> </table>	<u>Code</u>	<u>Name</u>	UN	UN/ECE/TRADE/WP.4, United Nations Standard Messages (UNSM)	M	AN	0/2
<u>Code</u>	<u>Name</u>								
UN	UN/ECE/TRADE/WP.4, United Nations Standard Messages (UNSM)								
	0054	<b>Association assigned code</b>  <table border="0"> <tr> <td><u>Code</u></td> <td>-</td> </tr> <tr> <td>EDDF04</td> <td></td> </tr> </table>	<u>Code</u>	-	EDDF04		O	AN	1/6
<u>Code</u>	-								
EDDF04									

**Segment Example:**

*UNH+1+INVRPT:D:97A:UN:EDDF04'*



<b>BGM</b>	<b>BEGINNING OF MESSAGE</b>	Pos: 0020	Max: 1
		Heading - Mandatory	Group: N/A
		Elements: 3	

To indicate the type and function of a message and to transmit the identifying number.

**Element Summary:**

<u>Ref</u>	<u>Tag</u>	<u>Element Name</u>	<u>Sanmina Required</u>	<u>Type</u>	<u>Min/Max</u>				
BGM010	C002	DOCUMENT/MESSAGE NAME	C	Comp	0/1				
	1001	Document/message name, coded	C	AN	0/3				
		<table border="0"> <tr> <td><u>Code</u></td> <td><u>Name</u></td> </tr> <tr> <td>35</td> <td>Inventory report</td> </tr> </table>	<u>Code</u>	<u>Name</u>	35	Inventory report			
<u>Code</u>	<u>Name</u>								
35	Inventory report								
BGM020	C106	DOCUMENT/MESSAGE IDENTIFICATION	C	Comp					
	1004	Document/message number Reference number assigned to the document/message by the issuer	M	AN	0/35				
BGM030	1225	MESSAGE FUNCTION, CODED	M	AN	0/3				
		<table border="0"> <tr> <td><u>Code</u></td> <td><u>Name</u></td> </tr> <tr> <td>9</td> <td>Original</td> </tr> </table>	<u>Code</u>	<u>Name</u>	9	Original			
<u>Code</u>	<u>Name</u>								
9	Original								

**Segment Example:**

BGM+35+2002924+9'



<b>DTM</b>	<b>DATE/TIME/PERIOD</b>	Pos: 0040	Max: 10
		Heading - Mandatory	Elements: 1
		Group: N/A	

To specify date, and/or time, or period.

**Element Summary:**

<u>Ref</u>	<u>Tag</u>	<u>Element Name</u>	<u>Sanmina Required</u>	<u>Type</u>	<u>Min/Max</u>				
DTM010	C507	DATE/TIME/PERIOD	M	Comp					
	2005	Date/time/period qualifier	M	AN	0/3				
		<table border="0"> <tr> <td style="text-align: center;"><u>Code</u></td> <td style="text-align: center;"><u>Name</u></td> </tr> <tr> <td style="text-align: center;">137</td> <td style="text-align: center;">Document/message date/time</td> </tr> </table>	<u>Code</u>	<u>Name</u>	137	Document/message date/time			
<u>Code</u>	<u>Name</u>								
137	Document/message date/time								
	2380	Date/time/period Date/time Date: 2016317 Time: Min 1904 Sec 00 Time Zone: GMT Greenwich Mean Time	M	AN	0/35				
	2379	Date/time/period format qualifier Format of the DTM010:2380 date	C	AN	0/3				
		<table border="0"> <tr> <td style="text-align: center;"><u>Code</u></td> <td style="text-align: center;"><u>Name</u></td> </tr> <tr> <td style="text-align: center;">304</td> <td style="text-align: center;">CCYYMMDDHHMMSSZZZ</td> </tr> </table>	<u>Code</u>	<u>Name</u>	304	CCYYMMDDHHMMSSZZZ			
<u>Code</u>	<u>Name</u>								
304	CCYYMMDDHHMMSSZZZ								

**Segment Example:**

*DTM+137:20160317190400GMT:304'*



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# Segment Group 2

Pos: 0080                      Max: 20  
Heading – Conditional  
Group: Group 2   Elements: NA

## Segment Summary:

<u>Pos</u>	<u>Tag</u>	<u>Segment Name</u>	<u>Sanmina Required</u>	<u>Repetition</u>	<u>Notes</u>
0090	NAD	NAME AND ADDRESS	M	1	Yes





<b>NAD</b>	<b>NAME AND ADDRESS</b>	<b>Pos: 0140</b>	<b>Max: 1</b>
		<b>Heading - Mandatory</b>	
		<b>Group: Group 4</b>	<b>Elements: 3</b>

To specify the name/address and their related function.

**Element Summary:**

<u>Ref</u>	<u>Tag</u>	<u>Element Name</u>	<u>Sanmina Required</u>	<u>Type</u>	<u>Min/Max</u>
NAD010	3035	<b>Party Qualifier</b> <u>Code</u> <u>Name</u> SU            Supplier ST            Ship to	M	AN	0/3
NAD020	C082	<b>PARTY IDENTIFICATION DETAILS</b>	M	Comp	
	3039	<b>Party id. identification</b> Please see note below regarding a list of bill-to and ship-to codes.	M	AN	0/35
	3055	<b>Code list responsible agency, coded</b> <u>Code</u> <u>Name</u> 92            Assigned by Buyer or Buyer's agent	M	AN	0/3
NAD040	C080	<b>PARTY NAME</b>	M	Comp	
	3036	<b>Party name</b> Name of a party involved in a transaction.	M	AN	0/35

**Notes:**

The following URL is where you will find a complete list of ship-to/bill-to codes that may be used by <http://www.sanmina.com/partners-access/partner-programs/index.php>  
Scroll to the bottom of the screen and look for PDF document [Ship to Address Codes](#).

**Segment Example:**

*NAD+SU+XYZ001::92++XYZ Corporation'*  
*NAD+ST+34510::92++ENG - Tatabanya Plant, HUN Plant 1'*



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<b>Segment Group 9</b>	Pos: 0290	Max: 9999
	Detail - Conditional	
	Group: Group 9	Elements: NA

**Segment Summary:**

<u>Pos</u>	<u>Tag</u>	<u>Segment Name</u>	<u>Sanmina Required</u>	<u>Repetition</u>	<u>Notes</u>
0300	LIN	LINE ITEM	M	1	
0310	PIA	ADDITIONAL PRODUCT ID	M	1	
0420		Segment Group 11	M	9999	



<b>LIN</b>	<b>LINE ITEM</b>	Pos: 0300	Max: 1
		Detail - Mandatory	
		Group: Group 9	Elements: 1

To identify a line item and configuration.

**Element Summary:**

<u>Ref</u>	<u>Tag</u>	<u>Element Name</u>	<u>Sanmina Required</u>	<u>Type</u>	<u>Min/Max</u>
LIN030	C212	ITEM NUMBER IDENTIFICATION	M	Comp	
	7140	Item number Orderable part number <a href="#">Sanmina's Item Number</a>	M	AN	0/35
	7143	Item number type, coded  <u>Code</u> <u>Name</u> BP            Buyer's part number	M	AN	0/3
	3055	Code list responsible agency, coded  <u>Code</u> <u>Name</u> 92            Assigned by Buyer or Buyer's agent	M	AN	0/3

**Segment Example:**

*LIN+++LFSYS278151:BP::92'*



<b>PIA</b>	<b>ADDITIONAL PRODUCT ID</b>	Pos: 0310	Max: 10
		Detail - Conditional	
		Group: Group 9 Elements: 2	

To specify additional or substitutional item identification codes.

**Element Summary:**

<u>Ref</u>	<u>Tag</u>	<u>Element Name</u>	<u>Sanmina Required</u>	<u>Type</u>	<u>Min/Max</u>				
PIA010	4347	<b>PRODUCT ID. FUNCTION QUALIFIER</b>  <table border="0"> <tr> <td style="text-align: center;"><u>Code</u></td> <td style="text-align: center;"><u>Name</u></td> </tr> <tr> <td style="text-align: center;">1</td> <td style="text-align: center;">Additional identification</td> </tr> </table>	<u>Code</u>	<u>Name</u>	1	Additional identification	M	AN	0/3
<u>Code</u>	<u>Name</u>								
1	Additional identification								
PIA020	C212	<b>ITEM NUMBER IDENTIFICATION</b>	M	Comp					
	7140	<b>Item number</b> MFG part number	M	AN	0/35				
	7143	<b>Item number type, coded</b>  <table border="0"> <tr> <td style="text-align: center;"><u>Code</u></td> <td style="text-align: center;"><u>Name</u></td> </tr> <tr> <td style="text-align: center;">VP</td> <td style="text-align: center;">MFG (Seller's) part number</td> </tr> </table>	<u>Code</u>	<u>Name</u>	VP	MFG (Seller's) part number	M	AN	0/3
<u>Code</u>	<u>Name</u>								
VP	MFG (Seller's) part number								
	3055	<b>Code list responsible agency, coded</b>  <table border="0"> <tr> <td style="text-align: center;"><u>Code</u></td> <td style="text-align: center;"><u>Name</u></td> </tr> <tr> <td style="text-align: center;">91</td> <td style="text-align: center;">Assigned by Seller or Sellers agent</td> </tr> </table>	<u>Code</u>	<u>Name</u>	91	Assigned by Seller or Sellers agent	M	AN	0/3
<u>Code</u>	<u>Name</u>								
91	Assigned by Seller or Sellers agent								

**Segment Example:**

*PIA+1+3CM02660AABU:VP::91'*



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# Segment Group 11

Pos: 0420                      Max: 9999  
Detail - Conditional  
Group: Group 11              Elements: NA

## Segment Summary:

<u>Pos</u>	<u>Tag</u>	<u>Segment Name</u>	<u>Sanmina Required</u>	<u>Repetition</u>	<u>Notes</u>
0430	INV	INVENTORY MANAGEMENT RELATED DETAILS	M	1	
0440	QTY	QUANTITY	M	1	



<b>INV</b>	<b>INVENTORY MANAGEMENT RELATED DETAILS</b>	Pos: 0430	Max: 1
		Detail - Mandatory	
		Group: Group 11	Elements: 1

To specify a pertinent quantity.

**Element Summary:**

<u>Ref</u>	<u>Tag</u>	<u>Element Name</u>	<u>Sanmina Required</u>	<u>Type</u>	<u>Min/Max</u>				
INV040	4503	INVENTORY BALANCE METHOD, CODED	M	AN	0/3				
		<table border="0"> <tr> <td><u>Code</u></td> <td><u>Name</u></td> </tr> <tr> <td>1</td> <td>Book-keeping inventory balance</td> </tr> </table>	<u>Code</u>	<u>Name</u>	1	Book-keeping inventory balance			
<u>Code</u>	<u>Name</u>								
1	Book-keeping inventory balance								

**Segment Example:**

INV++++1'



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<b>QTY</b>	<b>QUANTITY</b>	Pos: 0440	Max: 1
		Detail - Mandatory	
		Group: Group 11	Elements: 1

To specify a pertinent quantity.

**Element Summary:**

<u>Ref</u>	<u>Tag</u>	<u>Element Name</u>	<u>Sanmina Required</u>	<u>Type</u>	<u>Min/Max</u>
QTY010	C186	QUANTITY DETAILS	M	Comp	
	6063	Quantity qualifier <u>Code</u> <u>Name</u> 17      Ending Inventory balance	M	AN	0/3
	6060	<b>Quantity</b> Total line item quantity	M	N	0/15
	6411	<b>Measure unit qualifier</b> Unit of measure for the quantity in QTY010:6060 <u>Code</u> <u>Description</u> CG2      1 unit	M	AN	0/3

**Segment Example:**

*QTY+17:0:CG2'*



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<b>Segment Group 12</b>	Pos: 0490	Max: 5
	Detail - Conditional	
	Group: Group 12	Elements: NA

**Segment Summary:**

<u>Pos</u>	<u>Tag</u>	<u>Segment Name</u>	<u>Sanmina Required</u>	<u>Repetition</u>	<u>Notes</u>
0500	NAD	Name and Address	M	1	





<b>NAD</b>	<b>NAME AND ADDRESS</b>	Pos: 0820	Max: 1
		Detail - Mandatory	
		Group: Group 12	Elements: 2

To specify the name/address and their related function.

**Element Summary:**

<u>Ref</u>	<u>Tag</u>	<u>Element Name</u>	<u>Sanmina Required</u>	<u>Type</u>	<u>Min/Max</u>
NAD010	3035	Party Qualifier  <u>Code</u> <u>Name</u> MF              Party who manufactures the goods	M	AN	0/3
NAD020	C082	<b>PARTY IDENTIFICATION DETAILS</b>	M	Comp	
	3039	Party id. identification Manufacturer Name	M	AN	0/35
	3055	Code list responsible agency, coded  <u>Code</u> <u>Name</u> 92              Assigned by Buyer or Buyer's agent	M	AN	0/3

**Segment Example:**

*NAD+MF+XYZ Corporation::92'*



<b>UNT</b>	<b>MESSAGE TRAILER</b>	<b>Pos: 0700</b>	<b>Max: 1</b>
		<b>Detail - Mandatory</b>	
		<b>Group: N/A</b>	<b>Elements: 2</b>

To end and check the completeness of a message.

**Element Summary:**

<u>Ref</u>	<u>Tag</u>	<u>Element Name</u>	<u>Sanmina Required</u>	<u>Type</u>	<u>Min/Max</u>
UNT010	0074	<b>NUMBER OF SEGMENTS IN A MESSAGE</b> Generated automatically, this is the count of the number of segments in the message (including UNH through UNT segments)	M	N	1/6
UNT020	0062	<b>MESSAGE REFERENCE NUMBER</b> Must match the UNH control number.	M	AN	1/14

**Segment Example:**

*UNT+10+1'*



<b>UNZ</b>	<b>INTERCHANGE TRAILER</b>	Pos:	Max: 1
		- Mandatory	
		Group: N/A	Elements: 2

To end and check the completeness of an interchange.

**Element Summary:**

<u>Ref</u>	<u>Tag</u>	<u>Element Name</u>	<u>Sanmina Required</u>	<u>Type</u>	<u>Min/Max</u>
UNZ010	0036	<b>INTERCHANGE CONTROL COUNT</b> This is the number of messages (i.e. UNH segments) in the current envelope.	M	N	0/6
UNZ020	0020	<b>INTERCHANGE CONTROL REFERENCE</b> Must match the ICN from the UNB segment at the start of the envelope.	M	AN	0/14

**Segment Example:**

*UNZ+1+1'*



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**Example INVRPT Data File:**

```
UNB+UNOA:1+SANMINACORP:01+SupplierID:SupplierQualifier:SupplierRouting      Address+020712:0935+1+
+INVRPT'
UNH+1+INVRPT:D:97A:UN:EDDF04'
BGM+35+2002924+9'
DTM+137:20160317190400GMT:304'
NAD+SU+XYZ001::92++XYZ Corporation'
NAD+ST+34510::92++ENG - Tatabanya Plant, HUN Plant 1'
LIN+++LFSYS278151:BP::92'
PIA+1+3CM02660AABU:VP::91'
INV++++1'
QTY+17:0:CG2'
NAD+MF+XYZ Corporation::92'
UNT+10+1'
UNZ+1+1'
```