



# **SANMINA CORPORATION**

## **EDI OUTBOUND INVRPT MESSAGE**

### **VERSION: D97A**

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<b>Trading Partner:</b>	<b>All EDI Suppliers</b>
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## **DOCUMENT REVISION**

<b>Revision No.</b>	<b>Date</b>	<b>Person(s) Responsible</b>	<b>Comments</b>
1	July 8 2016	Ellen	Original document
2	Aug 8 2016	Ellen	Revision 1
3	Apr 14, 2020	DSmythe/	Minor updates and revisions.

# 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:

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

### Heading:

<u>Pos</u>	<u>Tag</u>	<u>Segment Name</u>	<u>EDIFACT Required</u>	<u>Repetition</u>	<u>Notes</u>	<u>Sanmina Required</u>
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:

<u>Pos</u>	<u>Tag</u>	<u>Segment Name</u>	<u>EDIFACT Required</u>	<u>Repetition</u>	<u>Notes</u>	<u>Sanmina Required</u>
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:

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

### Segments:

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

UNB	INTERCHANGE HEADER	Pos: <span style="float: right;">Max: 1</span> - Mandatory Group: N/A <span style="float: right;">Elements: 7</span>
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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 <u>Code</u> <u>Name</u> UNOA      UN/ECE level A	M	A	4/4
	0002	Syntax version number <u>Code</u> <u>Name</u> 1      Version 1	M	N	0/1
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'

<b>UNH</b>	<b>MESSAGE HEADER</b>	Pos: 0010 Heading - Mandatory Group: N/A	Max: 1 Elements: 2
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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	MESSAGE REFERENCE NUMBER <i>Sanmina sequentially generated message control number. Must match the UNT020 control number.</i>	M	AN	0/14
UNH020	S009	MESSAGE IDENTIFIER	M	Comp	
	0065	Message type identifier <u>Code</u> <u>Name</u> INVRPT      Delivery just in time message	M	AN	0/6
	0052	Message type version number <u>Code</u> <u>Name</u> D              Draft	M	AN	0/3
	0054	Message type release number <u>Code</u> <u>Name</u> 97A          Release 97A	M	AN	0/3
	0051	Controlling agency <u>Code</u> <u>Name</u> UN            UN/ECE/TRADE/WP.4, United Nations Standard Messages (UNSM)	M	AN	0/2
	0054	Association assigned code <u>Code</u> EDDF04	O	AN	1//6

**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 <u>Code</u> <u>Name</u> 35            Inventory report	C	AN	0/3
BGM020	C106	DOCUMENT/MESSAGE IDENTIFICATION	C	Comp	
	1004	Document/message number <a href="#">Reference number assigned to the document/message by the issuer</a>	M	AN	0/35
BGM030	1225	MESSAGE FUNCTION, CODED <u>Code</u> <u>Name</u> 9            Original	M	AN	0/3

**Segment Example:**

*BGM+35+2002924+9'*

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

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	<b>Date/time/period qualifier</b> <u>Code</u> <u>Name</u> 137          Document/message date/time	M	AN	0/3
	2380	<b>Date/time/period</b> Date/time Date: 2016317 Time: Min 1904 Sec 00 Time Zone: GMT Greenwich Mean Time	M	AN	0/35
	2379	<b>Date/time/period format qualifier</b> Format of the DTM010:2380 date <u>Code</u> <u>Name</u> 304          CCYYMMDDHHMMSSZZ	C	AN	0/3

**Segment Example:**

*DTM+137:20160317190400GMT:304'*

# 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>	Pos: 0140	Max: 1
		Heading - Mandatory	
		Group: Group 4	Elements: 3

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> SU            Supplier ST            Ship to	M	AN	0/3
NAD020	C082	PARTY IDENTIFICATION DETAILS	M	Comp	
	3039	Party ID identification <a href="#">Please see note below regarding a list of codes.</a>	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
NAD040	C080	PARTY NAME	M	Comp	
	3036	Party name <a href="#">Name of a party involved in a transaction.</a>	M	AN	0/35

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".

**Segment Example:**

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

# Segment Group 9

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> <u>Code</u> <u>Name</u> 1              Additional identification	M	AN	0/3
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> <u>Code</u> <u>Name</u> VP            MFG (Seller's) part number	M	AN	0/3
	3055	<b>Code list responsible agency, coded</b> <u>Code</u> <u>Name</u> 91            Assigned by Seller or Seller's agent	M	AN	0/3

**Segment Example:**

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

# 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
		<u>Code</u> <u>Name</u> 1              Book-keeping inventory balance			

**Segment Example:**

INV++++1'

<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'

# Segment Group 12

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>	<b>Pos:</b>	<b>Max: 1</b>
		<b>Group: N/A</b>	<b>Elements: 2</b>

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 '

**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'