



SANMINA CORPORATION

EDI OUTBOUND INVRPT MESSAGE

VERSION: D97A

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Trading Partner:	All EDI Suppliers
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DOCUMENT REVISION

Revision No.	Date	Person(s) Responsible	Comments
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:	Max: 1
		Group: N/A	Elements: 7

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'

UNH	MESSAGE HEADER	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'

BGM	BEGINNING OF MESSAGE	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 Reference number assigned to the document/message by the issuer	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'

DTM	DATE/TIME/PERIOD	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 <u>Code</u> <u>Name</u> 137 Document/message date/time	M	AN	0/3
	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 <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

NAD	NAME AND ADDRESS	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 Please see note below regarding a list of codes.	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 Name of a party involved in a transaction.	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:

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

LIN	LINE ITEM	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 Sanmina's Item Number	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'

PIA	ADDITIONAL PRODUCT ID	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	PRODUCT ID. FUNCTION QUALIFIER <u>Code</u> <u>Name</u> 1 Additional identification	M	AN	0/3
PIA020	C212	ITEM NUMBER IDENTIFICATION	M	Comp	
	7140	Item number MFG part number	M	AN	0/35
	7143	Item number type, coded <u>Code</u> <u>Name</u> VP MFG (Seller's) part number	M	AN	0/3
	3055	Code list responsible agency, coded <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	

INV	INVENTORY MANAGEMENT RELATED DETAILS	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 '

QTY	QUANTITY	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	Quantity Total line item quantity	M	N	0/15
	6411	Measure unit qualifier 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	

NAD	NAME AND ADDRESS	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	PARTY IDENTIFICATION DETAILS	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'

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

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	NUMBER OF SEGMENTS IN A MESSAGE 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	MESSAGE REFERENCE NUMBER Must match the UNH control number.	M	AN	1/14

Segment Example:

UNT+10+1'

UNZ	INTERCHANGE TRAILER	Pos:	Max: 1
		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	INTERCHANGE CONTROL COUNT This is the number of messages (i.e. UNH segments) in the current envelope.	M	N	0/6
UNZ020	0020	INTERCHANGE CONTROL REFERENCE 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'