

850 Purchase Order

850 ANSI X12 004010

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| Version Number | Version Date | Description of Change | Reason of Change | Author | Change Reference |
|----------------|--------------|--|---|-----------------|-----------------------------|
| 1 | 01.24.2013 | Initial release | Original Document | Adrian Birau | All Sections |
| 1.1 | 03.28.2013 | New sample was added | | Adrian Birau | Example |
| 1.2 | 05.21.2013 | FOB05 segment was updated | | Adrian Birau | F.O.B. Related Instructions |
| 1.3 | 11.28.2013 | Add "CN" Consumption PO Code | To be able to generate Purchase Order Consumption | Adrian Birau | BEG02 |
| 1.3 | 11.28.2013 | Add "OL" and "RQ" codes on REF01 segment | To be able to generate Purchase Order Consumption | Adrian Birau | REF01 |
| 1.4 | 01.17.2013 | Add "RL" Delivery Order | For CRP PO's | Adrian Birau | BEG02 |
| 1.5 | 02.12.2013 | Add DTM Codes | For Delivery Date and Ship Date | Arkadyuti Banik | DTM01 |
| 1.6 | 03.17.2015 | Added New Examples, Update Field Requirements | For Delivery Date and Ship Date | Arkadyuti Banik | Header and Details |
| 1.7 | 06.12.2015 | Added "CR" Consignment Replenishment PO and Examples | For Delivery Date and Ship Date | Arkadyuti Banik | BEG02 |
| 1.8 | 10.01.2021 | Add DTM Codes | For ETA Forwarder Date | Arkadyuti Banik | DTM01 |
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850 Purchase Order

Functional Group = PO

This Draft Standard for Trial Use contains the format and establishes the data contents of the Purchase Order 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 the placement of purchase orders for goods and services. This transaction set should not be used to convey purchase order changes or purchase order acknowledgment information.

Heading:

| Pos | Id | Segment Name | Req | Max Use | Repeat | Notes | Usage |
|---------------------|-----|---------------------------------------|-----|---------|-------------|-------|----------|
| 010 | ST | Transaction Set Header | M | 1 | | | Must use |
| 020 | BEG | Beginning Segment for Purchase Order | M | 1 | | | Must use |
| 040 | CUR | Currency | M | 1 | | | Used |
| 050 | REF | Reference Identification | M | >1 | | | Used |
| 060 | PER | Administrative Communications Contact | M | 3 | | | Used |
| 080 | FOB | F.O.B. Related Instructions | M | >1 | | | Used |
| 130 | ITD | Terms of Sale/Deferred Terms of Sale | O | >1 | | | Used |
| LOOP ID - N9 | | | | | 1000 | | |
| 295 | N9 | Reference Identification | O | 1 | | | Used |
| 300 | MSG | Message Text | O | 1000 | | | Used |
| LOOP ID - N1 | | | | | 200 | | |
| 310 | N1 | Name | O | 1 | | | Used |
| 320 | N2 | Additional Name Information | O | 2 | | | Used |
| 330 | N3 | Address Information | O | 2 | | | Used |
| 340 | N4 | Geographic Location | O | >1 | | | Used |

Detail:

| Pos | Id | Segment Name | Req | Max Use | Repeat | Notes | Usage |
|----------------------|-----|-------------------------------|-----|---------|---------------|----------------|----------|
| LOOP ID - PO1 | | | | | 100000 | N2/010L | |
| 010 | PO1 | Baseline Item Data | M | 1 | | N2/010 | Must use |
| LOOP ID - PID | | | | | 1000 | | |
| 050 | PID | Product/Item Description | O | 1 | | | Used |
| 100 | REF | Reference Identification | O | 1 | | | Used |
| 210 | DTM | Date/Time Reference | M | 10 | | | Used |
| 289 | MSG | Message Text | O | >1 | | | Used |
| Loop ID - PKG | | | | | 200 | | |
| 305 | PKG | Marking / Packaging / Loading | O | 200 | | | Used |

Summary:

| Pos | Id | Segment Name | Req | Max Use | Repeat | Notes | Usage |
|----------------------|-----|-------------------------|-----|---------|----------|----------------|----------|
| LOOP ID - CTT | | | | | 1 | N3/010L | |
| 010 | CTT | Transaction Totals | O | 1 | | N3/010 | Used |
| 030 | SE | Transaction Set Trailer | M | 1 | | | Must use |

Notes:

2/010L PO102 is required.

2/010 PO102 is required.

3/010L The number of line items (CTT01) is the accumulation of the number of PO1 segments. If used, hash total (CTT02) is the sum of the value of quantities ordered (PO102) for each PO1 segment.

3/010 The number of line items (CTT01) is the accumulation of the number of PO1 segments. If used, hash total (CTT02) is the sum of the value of quantities ordered (PO102) for each PO1 segment.

ST Transaction Set Header

User Option (Usage):

Must use

To indicate the start of a transaction set and to assign a control number

Element Summary:

| <u>Ref</u> | <u>Id</u> | <u>Element Name</u> | <u>Req</u> | <u>Type</u> | <u>Min/Max</u> | <u>Usage</u> |
|------------|-----------|--|------------|-------------|----------------|--------------|
| ST01 | 143 | Transaction Set Identifier Code Description: Code uniquely identifying a Transaction Set All valid standard codes are used. | M | ID | 3/3 | Must use |
| ST02 | 329 | Transaction Set Control Number Description: Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set | M | AN | 4/9 | Must use |

Semantics:

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).

BEG Beginning Segment for Purchase Order

User Option (Usage):

Must use

To indicate the beginning of the Purchase Order Transaction Set and transmit identifying numbers and dates

Element Summary:

| <u>Ref</u> | <u>Id</u> | <u>Element Name</u> | <u>Req</u> | <u>Type</u> | <u>Min/Max</u> | <u>Usage</u> |
|------------|-----------|---|------------|-------------|----------------|--------------|
| BEG01 | 353 | Transaction Set Purpose Code Description: Code identifying purpose of transaction set "00" - Original PO. | M | ID | 2/2 | Must use |
| BEG02 | 92 | Purchase Order Type Code Description: Code specifying the type of Purchase Order "ZZ" - Pull Order "SA" - Standard Alone Order. "CN"- Consumption PO "RL"- Delivery Order "CR"- Consignment Purchase Replenishment Order | M | ID | 2/2 | Must use |
| BEG03 | 324 | Purchase Order Number Description: Identifying number for Purchase Order assigned by the ordered/purchaser | M | AN | 1/22 | Must use |
| BEG04 | 328 | Release Number Description: Number identifying a release against a Purchase Order previously placed by the parties involved in the transaction | O | AN | 1/30 | Not Used |
| BEG05 | 373 | Date Description: Date expressed as CCYYMMDD | M | DT | 8/8 | Must use |

Semantics:

1. BEG05 is the date assigned by the purchaser to purchase order.

CUR Currency

User Option (Usage):

Used

To specify the currency (dollars, pounds, francs, etc.) used in a transaction

Element Summary:

| <u>Ref</u> | <u>Id</u> | <u>Element Name</u> | <u>Req</u> | <u>Type</u> | <u>Min/Max</u> | <u>Usage</u> |
|------------|-----------|---|------------|-------------|----------------|--------------|
| CUR01 | 98 | Entity Identifier Code Description: Code identifying an organizational entity, a Physical location, property or an individual “BY” – Buying Party (Purchaser) | M | ID | 2/3 | Must use |
| CUR02 | 100 | Currency Code Description: Code (Standard ISO) for country in whose Currency the charges are specified | M | ID | 3/3 | Must use |

REF Reference Identification

User Option (Usage):

Used

To specify identifying information

Syntax Rules:

1. R0203 - At least one of REF02 or REF03 is required.

Semantics:

1. REF04 contains data relating to the value cited in REF02.

Element Summary:

| <u>Ref</u> | <u>Id</u> | <u>Element Name</u> | <u>Req</u> | <u>Type</u> | <u>Min/Max</u> | <u>Usage</u> | | | | | | | | | | | | |
|-------------|-------------------------|--|-------------|-------------|----------------|-----------------------|----|-----------------|----|-------------------------|----|---------------|----|------------------|---|----|-----|----------|
| REF01 | 128 | Reference Identification Qualifier Description: Code qualifying the Reference Identification <table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>CO</td> <td>Customer Order Number</td> </tr> <tr> <td>CT</td> <td>Contract Number</td> </tr> <tr> <td>OP</td> <td>Original Purchase Order</td> </tr> <tr> <td>VR</td> <td>Supplier Code</td> </tr> <tr> <td>ZZ</td> <td>Mutually Defined</td> </tr> </tbody> </table> | <u>Code</u> | <u>Name</u> | CO | Customer Order Number | CT | Contract Number | OP | Original Purchase Order | VR | Supplier Code | ZZ | Mutually Defined | M | ID | 2/3 | Must use |
| <u>Code</u> | <u>Name</u> | | | | | | | | | | | | | | | | | |
| CO | Customer Order Number | | | | | | | | | | | | | | | | | |
| CT | Contract Number | | | | | | | | | | | | | | | | | |
| OP | Original Purchase Order | | | | | | | | | | | | | | | | | |
| VR | Supplier Code | | | | | | | | | | | | | | | | | |
| ZZ | Mutually Defined | | | | | | | | | | | | | | | | | |
| REF02 | 127 | Reference Identification Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier | X | AN | 1/30 | Used | | | | | | | | | | | | |
| REF03 | 352 | Description Description: A free-form description to clarify the related data elements and their content | X | AN | 1/80 | Used | | | | | | | | | | | | |

PER Administrative Communications Contact

User Option (Usage):

Used

To identify a person or office to whom administrative communications should be directed

Element Summary:

| <u>Ref</u> | <u>Id</u> | <u>Element Name</u> | <u>Req</u> | <u>Type</u> | <u>Min/Max</u> | <u>Usage</u> |
|------------|-----------|---|------------|-------------|----------------|--------------|
| PER01 | 366 | Contact Function Code Description: Code identifying the major duty or responsibility of the person or group named "BD" - Buyer Department. | M | ID | 2/2 | Must use |
| PER02 | 93 | Name Description: Free-form name | X | AN | 1/60 | Used |
| PER03 | 365 | Communication Number Qualifier Description: Code identifying the type of communication number | X | ID | 2/2 | Used |
| PER04 | 364 | Communication Number Description: Complete communications number including country or area code when applicable | X | AN | 1/80 | Used |
| PER05 | 365 | Communication Number Qualifier Description: Code identifying the type of communication number | X | ID | 2/2 | Used |
| PER06 | 364 | Communication Email ID Description: Complete communications email ID. | X | AN | 1/80 | Used |

Syntax:

1. P0304 - If either PER03,PER04 & PER05 is present, then all are required.

FOB F.O.B. Related Instructions

User Option (Usage):

Used

To specify transportation instructions relating to shipment

Element Summary:

| <u>Ref</u> | <u>Id</u> | <u>Element Name</u> | <u>Req</u> | <u>Type</u> | <u>Min/Max</u> | <u>Usage</u> |
|------------|-----------|---|------------|-------------|----------------|--------------|
| FOB01 | 146 | Shipment Method of Payment Description: Code identifying payment terms for transportation charges “DF” - Defined by buyer and seller. | M | ID | 2/2 | Must use |
| FOB02 | 309 | Location Qualifier Description: Code identifying type of location “OR” – Origin (Shipping Point) | X | ID | 1/2 | Used |
| FOB03 | 352 | Description Description: A free-form description to clarify the related data elements and their content | O | AN | 1/80 | Used |
| FOB04 | 334 | Transportation Terms Qualifier Code Description: Code identifying the source of the transportation terms “ZZ” - Mutually defined. “01” - Incoterms | M | ID | 2/2 | Used |
| FOB05 | 335 | Transportation Terms Code Description: Code identifying the trade terms which apply to the shipment transportation responsibility All valid standard codes are used. “ZZZ”=“DAP” | X | ID | 3/3 | Used |

Semantics:

1. FOB01 indicates which party will pay the carrier.

ITD Terms of Sale/Deferred Terms of Sale

User Option (Usage):

Used

To specify terms of sale

Element Summary:

| <u>Ref</u> | <u>Id</u> | <u>Element Name</u> | <u>Req</u> | <u>Type</u> | <u>Min/Max</u> | <u>Usage</u> |
|------------|-----------|---|------------|-------------|----------------|--------------|
| ITD01 | 336 | Terms Type Code Description: Code identifying type of payment terms "05" -Discount not applicable. | O | ID | 2/2 | Used |
| ITD02 | 333 | Terms Basis Date Code Description: Code identifying the beginning of the terms period "3" - Invoice Date. | O | ID | 1/2 | Used |
| ITD03 | 338 | Terms Discount Percent Description: Terms discount percentage, expressed as a percent, available to the purchaser if an invoice is paid on or before the Terms Discount Due Date | O | R | 1/6 | Not used |
| ITD04 | 370 | Terms Discount Due Date Description: Date payment is due if discount is to be earned expressed in format CCYYMMDD | X | DT | 8/8 | Not used |
| ITD05 | 351 | Terms Discount Days Due Description: Number of days in the terms discount period by which payment is due if terms discount is earned | X | N0 | 1/3 | Not used |
| ITD06 | 446 | Terms Net Due Date Description: Date when total invoice amount becomes due expressed in format CCYYMMDD | O | DT | 8/8 | Not used |
| ITD07 | 386 | Terms Net Days Description: Number of days until total invoice amount is due (discount not applicable) | O | N0 | 1/3 | Used |
| ITD12 | 352 | Description Description: A free-form description to clarify the related data elements and their content | O | AN | 1/80 | Used |

Loop N9

To transmit identifying information as specified by the Reference Identification Qualifier

Loop Summary:

| <u>Pos</u> | <u>Id</u> | <u>Segment Name</u> | <u>Req</u> | <u>Max Use</u> | <u>Repeat</u> | <u>Usage</u> |
|------------|-----------|--------------------------|------------|----------------|---------------|--------------|
| 295 | N9 | Reference Identification | O | 1 | | Used |
| 300 | MSG | Message Text | O | 1000 | | Used |

N9 Reference Identification

User Option (Usage):

Used

To transmit identifying information as specified by the Reference Identification Qualifier

Syntax Rules:

1. R0203 - At least one of N902 or N903 is required.
2. C0605 - If N906 is present, then N905 is required.

Element Summary:

| <u>Ref</u> | <u>Id</u> | <u>Element Name</u> | <u>Req</u> | <u>Type</u> | <u>Min/Max</u> | <u>Usage</u> |
|------------|-----------|--|------------|-------------|----------------|--------------|
| N901 | 128 | Reference Identification Qualifier Description: Code qualifying the Reference Identification | M | ID | 2/3 | Must use |
| | | <u>Code</u> <u>Name</u> L1 Letters or Notes | | | | |
| N902 | 127 | Reference Identification Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier | X | AN | 1/30 | Used |

MSG Message Text

User Option (Usage):

Used

To provide a free-form format that allows the transmission of text information

Element Summary:

| <u>Ref</u> | <u>Id</u> | <u>Element Name</u> | <u>Req</u> | <u>Type</u> | <u>Min/Max</u> | <u>Usage</u> |
|------------|-----------|---|------------|-------------|----------------|--------------|
| MSG01 | 933 | Free-Form Message Text Description: Free-form message text | M | AN | 1/264 | Must use |

Loop N1

To identify a party by type of organization, name, and code

Loop Summary:

| <u>Pos</u> | <u>Id</u> | <u>Segment Name</u> | <u>Req</u> | <u>Max Use</u> | <u>Repeat</u> | <u>Usage</u> |
|------------|-----------|-----------------------------|------------|----------------|---------------|--------------|
| 310 | N1 | Name | O | 1 | | Used |
| 320 | N2 | Additional Name Information | O | 2 | | Used |
| 330 | N3 | Address Information | O | 2 | | Used |
| 340 | N4 | Geographic Location | O | >1 | | Used |

N1 Name

User Option (Usage):

Used

To identify a party by type of organization, name, and code

Element Summary:

| <u>Ref</u> | <u>Id</u> | <u>Element Name</u> | <u>Req</u> | <u>Type</u> | <u>Min/Max</u> | <u>Usage</u> |
|------------|-----------|---|------------|-------------|----------------|--------------|
| N101 | 98 | Entity Identifier Code Description: Code identifying an organizational entity, a physical location, property or an individual "BT" - Bill To "ST" - Ship To. | M | ID | 2/3 | Must use |
| N102 | 93 | Name Description: Free-form name | X | AN | 1/60 | Used |
| N103 | 66 | Identification Code Qualifier Description: Code designating the system/method of code structure used for Identification Code (67) "ZZ". | X | ID | 1/2 | Used |
| N104 | 67 | Identification Code Description: Ship to code / Bill to Code | X | AN | 2/80 | Used |

Syntax:

1. R0203 - At least one of N101, N102 is required
2. P0304 - If either N103,N104 is present, then all are required

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.

N2 Additional Name Information

User Option (Usage):

Used

To specify additional names or those longer than 35 characters in length

Element Summary:

| <u>Ref</u> | <u>Id</u> | <u>Element Name</u> | <u>Req</u> | <u>Type</u> | <u>Min/Max</u> | <u>Usage</u> |
|------------|-----------|---|------------|-------------|----------------|--------------|
| N201 | 93 | Name Description: Free-form name | M | AN | 1/60 | Must use |
| N202 | 93 | Name Description: Free-form name | O | AN | 1/60 | Used |

N3 Address Information

User Option (Usage):

Used

To specify the location of the named party

Element Summary:

| <u>Ref</u> | <u>Id</u> | <u>Element Name</u> | <u>Req</u> | <u>Type</u> | <u>Min/Max</u> | <u>Usage</u> |
|------------|-----------|---|------------|-------------|----------------|--------------|
| N301 | 166 | Address Information Description: Address information | M | AN | 1/55 | Must use |
| N302 | 166 | Address Information Description: Address information | O | AN | 1/55 | Used |

N4 Geographic Location

User Option (Usage):

Used

To specify the geographic place of the named party

Element Summary:

| <u>Ref</u> | <u>Id</u> | <u>Element Name</u> | <u>Req</u> | <u>Type</u> | <u>Min/Max</u> | <u>Usage</u> |
|------------|-----------|--|------------|-------------|----------------|--------------|
| N401 | 19 | City Name Description: Free-form text for city name | O | AN | 2/30 | Used |
| N402 | 156 | State or Province Code Description: Code (Standard State/Province) as defined by appropriate government agency | O | ID | 2/2 | Used |
| N403 | 116 | Postal Code Description: Code defining international postal zone code excluding punctuation and blanks (zip code for United States) | O | ID | 3/15 | Used |
| N404 | 26 | Country Code Description: Code identifying the country | O | ID | 2/3 | Used |

Comments:

1. A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.
2. N402 is required only if city name (N401) is in the U.S. or Canada.

Loop PO1

To specify basic and most frequently used line item data

Loop Summary:

| <u>Pos</u> | <u>Id</u> | <u>Segment Name</u> | <u>Req</u> | <u>Max Use</u> | <u>Repeat</u> | <u>Usage</u> |
|------------|-----------|---------------------|------------|----------------|---------------|--------------|
| 010 | PO1 | Baseline Item Data | M | 1 | | Must use |
| 050 | PID | Loop PID | O | | 1000 | Used |
| 210 | DTM | Date/Time Reference | O | 10 | | Used |
| 289 | MSG | Message Text | O | >1 | | Used |

PO1 Baseline Item Data

User Option (Usage):

Must use

To specify basic and most frequently used line item data

Element Summary:

| <u>Ref</u> | <u>Id</u> | <u>Element Name</u> | <u>Req</u> | <u>Type</u> | <u>Min/Max</u> | <u>Usage</u> |
|------------|-----------|--|------------|-------------|----------------|--------------|
| PO101 | 350 | Assigned Identification Description: PO line number | M | AN | 1/20 | Used |
| PO102 | 330 | Quantity Ordered Description: Quantity ordered | M | R | 1/15 | Used |
| PO103 | 355 | Unit or Basis for Measurement Code Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken "EA" - Each | X | ID | 2/2 | Used |
| PO104 | 212 | Unit Price Description: Price per unit of product, service, commodity, etc. | X | R | 1/17 | Used |
| PO105 | 639 | Basis of Unit Price Code Description: Code identifying the type of unit price for an item "UM" | X | ID | 2/2 | Used |
| PO106 | 235 | Product/Service ID Qualifier Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234) "BP" - Buyers Part Number | X | ID | 2/2 | Used |
| PO107 | 234 | Product/Service ID Description: Identifying number for a product or service | X | AN | 1/48 | Used |

| | | | | | | |
|-------|-----|---|---|----|------|------|
| PO108 | 235 | Product/Service ID Qualifier Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234) “PU” - Customer Part Number | X | ID | 2/2 | Used |
| PO109 | 234 | Product/Service ID Description: Identifying number for a product or service | X | AN | 1/48 | Used |
| PO110 | 235 | Product/Service ID Qualifier Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234) “BE” - Buyers Eng. Change Level Part Number. | X | ID | 2/2 | Used |
| PO111 | 234 | Product/Service ID Description: Identifying number for a product or service | X | AN | 1/48 | Used |
| PO112 | 235 | Product/Service ID Qualifier Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234) “MF” - Manufacture. | X | ID | 2/2 | Used |
| PO113 | 234 | Product/Service ID Description: Identifying number for a product or service | X | AN | 1/48 | Used |
| PO114 | 235 | Product/Service ID Qualifier Description: Code identifying the type/source of the Descriptive number used in Product/Service ID (234) “MG” - Manufacturer Part Number. | M | ID | 2/2 | Used |
| PO115 | 234 | Product/Service ID Description: Identifying number for a product or service | M | AN | 1/48 | Used |

Loop PID

To describe a product or process in coded or free-form format

Loop Summary:

| <u>Pos</u> | <u>Id</u> | <u>Segment Name</u> | <u>Req</u> | <u>Max Use</u> | <u>Repeat</u> | <u>Usage</u> |
|------------|-----------|--------------------------|------------|----------------|---------------|--------------|
| 050 | PID | Product/Item Description | O | 1 | | Used |

PID Product/Item Description

User Option (Usage): Used

To describe a product or process in coded or free-form format

Element Summary:

| <u>Ref</u> | <u>Id</u> | <u>Element Name</u> | <u>Req</u> | <u>Type</u> | <u>Min/Max</u> | <u>Usage</u> |
|------------|-----------|--|------------|-------------|----------------|--------------|
| PID01 | 349 | Item Description Type Description: Code indicating the format of a description "F" - Free Form Description. | M | ID | 1/1 | Must use |
| PID03 | 559 | Agency Qualifier Code. Description: Code identifying the agency assigning the code values "ZZ" - Mutually Defined. | M | ID | 1/1 | Used |
| PID04 | 751 | Product Description code A code from an industry code list which provides specific data about a product characteristic | X | AN | 1/12 | Used |
| PID05 | 352 | Description Description: A free-form description to clarify the related data elements and their content | X | AN | 1/80 | Used |

Comments:

1. If PID01 equals "F", then PID05 is used. If PID01 equals "S", then PID04 is used. If PID01 equals "X", then both PID04 and PID05 are used.

REF Reference Identification

User Option (Usage):

Used

To specify identification information

Element Summary:

| <u>Ref</u> | <u>Id</u> | <u>Element Name</u> | <u>Req</u> | <u>Type</u> | <u>Min/Max</u> | <u>Usage</u> |
|------------|-----------|---|------------|-------------|----------------|--------------|
| REF01 | 128 | Manufacturing Order Part Number Description: Code indicating the format of a description "MH" - Manufacturing Order Number "OL" - Packing Slip "RQ" - Purchase Requisition Number | M | ID | 2/2 | Must use |
| REF02 | 127 | Reference Identification Description: Reference information as defined for a particular as specified by the Reference Identification Qualifier | X | AN | 1/30 | Used |

Comments:

1. If REF01 equals one of the codes listed (MH, OL, RQ, VN), then REF02 is used.
2. If BEG02=CN then REF01=OL (which represent packing slip reference)

DTM Date/Time Reference

User Option (Usage):

Used

To specify pertinent dates and times

Element Summary:

| <u>Ref</u> | <u>Id</u> | <u>Element Name</u> | <u>Req</u> | <u>Type</u> | <u>Min/Max</u> | <u>Usage</u> |
|------------|-----------|--|------------|-------------|----------------|--------------|
| DTM01 | 374 | Date/Time Qualifier Description: Code specifying type of date or time, or both date and time "002" – Delivery Date (ETA); "010" – Ship Date (ETD). "065" – Forwarder Schedule Delivery Date (FETA) | M | ID | 3/3 | Must use |
| DTM02 | 373 | Date Description: Date expressed as CCYYMMDD | X | DT | 8/8 | Used |

Comments:

1. ETA - Estimated Time of Arrival (Flex Dock Date).
2. ETD - Estimated Time of Departure (Supplier Ship Date)

MSG Message Text

User Option (Usage):

Used

To provide a free-form format that allows the transmission of text information

Syntax Rules:

1. C0302 - If MSG03 is present, then MSG02 is required.

| <u>Ref</u> | <u>Id</u> | <u>Element Name</u> | <u>Req</u> | <u>Type</u> | <u>Min/Max</u> | <u>Usage</u> |
|------------|-----------|---|------------|-------------|----------------|--------------|
| MSG01 | 933 | Free-Form Message Text Description: Free-form message text | M | AN | 1/264 | Must use |

Loop PKG

To describe marking, packaging, loading, and unloading requirements

Loop Summary:

| <u>Pos</u> | <u>Id</u> | <u>Segment Name</u> | <u>Req</u> | <u>Max Use</u> | <u>Repeat</u> | <u>Usage</u> |
|------------|-----------|---------------------------|------------|----------------|---------------|--------------|
| 305 | PKG | Marking/Packaging/Loading | O | 200 | | Used |

PKG Packaging

User Option (Usage):

Used

To describe marking, packaging, loading, and unloading requirements

Element Summary:

| <u>Ref</u> | <u>Id</u> | <u>Element Name</u> | <u>Req</u> | <u>Type</u> | <u>Min/Max</u> | <u>Usage</u> |
|------------|-----------|---|------------|-------------|----------------|--------------|
| PKG01 | 349 | Item description type Description: Code identifying the code for the description "F" - Free form | X | ID | 1/1 | Used |
| PKG02 | 753 | Packaging Characteristic Code Description: Code specifying the marking, packaging, loading and related characteristics being described | O | ID | 1/5 | Must Used |
| PKG05 | 325 | "35" - Type of Package Description: A free-form description to clarify the related data elements and their content | X | AN | 1/80 | Used |

Comments:

1. If PKG02 equals "35", then PKG05 is used.
2. If PKG05 exist then PKG01 is used

Loop CTT

To transmit a hash total for a specific element in the transaction set

Loop Summary:

| <u>Pos</u> | <u>Id</u> | <u>Segment Name</u> | <u>Req</u> | <u>Max Use</u> | <u>Repeat</u> | <u>Usage</u> |
|------------|-----------|---------------------|------------|----------------|---------------|--------------|
| 010 | CTT | Transaction Totals | O | 1 | | Used |

CTT Transaction Totals

User Option (Usage):

Used

To transmit a hash total for a specific element in the transaction set

Element Summary:

| <u>Ref</u> | <u>Id</u> | <u>Element Name</u> | <u>Req</u> | <u>Type</u> | <u>Min/Max</u> | <u>Usage</u> |
|------------|-----------|---|------------|-------------|----------------|--------------|
| CTT01 | 354 | Number of Line Items Description: Total number of line items in the transaction set | M | N0 | 1/6 | Must use |
| CTT02 | 347 | Hash Total Description: Sum of values of the specified data element. All values in the data element will be summed without regard to decimal points (explicit or implicit) or signs. Truncation will occur on the left most digits if the sum is greater than the maximum size of the hash total of the data element. Example: -.0018 First occurrence of value being hashed. .18 Second occurrence of value being hashed. 1.8 Third occurrence of value being hashed. 18.01 Fourth occurrence of value being hashed. ----- 1855 Hash total prior to truncation. 855 Hash total after truncation to three-digit field. | O | R | 1/10 | Used |

SE Transaction Set Trailer

User Option (Usage):

Must use

To indicate the end of the transaction set and provide the count of the transmitted segments (including the beginning (ST) and ending (SE) segments)

Element Summary:

| <u>Ref</u> | <u>Id</u> | <u>Element Name</u> | <u>Req</u> | <u>Type</u> | <u>Min/Max</u> | <u>Usage</u> |
|------------|-----------|--|------------|-------------|----------------|--------------|
| SE01 | 96 | Number of Included Segments Description: Total number of segments included in a transaction set including ST and SE segments | M | N0 | 1/10 | Must use |
| SE02 | 329 | Transaction Set Control Number Description: Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set | M | AN | 4/9 | Must use |

Comments:

1. SE is the last segment of each transaction set.

Samples

Stand-Alone PO

ISA*00* *00* *Flextronics ISA Qualifier*Flextronics ISA ID *Partner ISA Qualifier*Partner ISA ID*130327*0026*U*00401*000108556*1*T*~
GS*PO*Flextronics GS ID*Partner GS
ID*0026*785*X*004010 ST*850*981262724
BEG*00*SA*J59178992*0*20130326
CUR*BY*USD
REF*VR*Supplier BP Code
PER*BD*Julia Aguilar Silva***EM*Julia.Aguilar@flextronics.com
FOB*DF*OR*Free Carrier*01*FCA
ITD*05*3*****30*****Net 30 Days
N1*ST*FLEXTRONICS TECHNOLOGIES DE ME*ZZ*J59JW2
N2*La Tijera
N3*Av Lopez Mateos Sur 2915 KM 6.*La Tijera
N4*Tlajomulco de Zuniga*JA*45640*MX
N1*BT*FLEXTRONICS INTERNATIONAL EUROPE BV STH*ZZ*059
N3*Nobelstraat 10-14
N4*Oostrum*GA*5807*NL PO1*10*33000*EA*0.37*UM*BP*ESC10-003-0905-08*PU*003-0905-08*BE*NR-001*MF*ManufacturerName*MG*ManufacturerPartNumber PID*F**ZZ**LM3485 BUCK CONTROLLER

DTM*002*20130614
PKG*F*35***TAPE AND REEL
CTT*1*33000
SE*20*981262724
GE*1*785
IEA*1*000108556

Pull PO

ISA*00* *00* *Flextronics ISA Qualifier*Flextronics ISA ID*Partner ISA Qualifier*Partner ISA ID*131127*1035*U*00401*000131674*1*T*~
GS*PO*Flextronics GS ID*Partner GS ID*20131127*1035*3977*X*004010
ST*850*214352710
BEG*00*ZZ*J59N81698*77*20130507 CUR*BY*USD
REF*VR*SP0001316
PER*BD*Naveen Dayalan***EM*Naveen.Dayalan@flextronics.com FOB*DF*OR*GDL*01*DAP
ITD*05*3*****75*****Net 75 Days
N1*ST*FLEXTRONICS TECHNOLOGIES DE ME*ZZ*J59SMI N2*La Tijera
N3*Av Lopez Mateos Sur 2915 KM 6.*La Tijera N4*Tlajomulco de Zuniga*JA*45645*MX
N1*BT*FLEXTRONICS INTERNATIONAL EUROPE BV STH*ZZ*059 N3*Nobelstraat 10-14
N4*Oostrum*GA*5807*NL
PO1*360*24000*EA*0.0084*UM*BP*AAI1H-26111977*PU*26111977*BE*NR-001*MF*Vendor ELECTRONICS*MG*C1206C105M3RAC3123 PID*F**ZZ**MLCC,
1.0UF, 50V, 20%, X7R, 12
DTM*002*20130726
PKG*F*35***TAPE AND REEL
PO1*640*38000*EA*0.0084*UM*BP*AAI1H-26111977*PU*26111977*BE*NR-001*MF*Vendor ELECTRONICS*MG*C1206C105M3RAC3123 PID*F**ZZ**MLCC,
1.0UF, 50V, 20%, X7R, 12
DTM*002*20130816
PKG*F*35***TAPE AND REEL
PO1*660*38000*EA*0.0084*UM*BP*AAI1H-26111977*PU*26111977*BE*NR-001*MF*Vendor ELECTRONICS*MG*C1206C105M3RAC3123 PID*F**ZZ**MLCC,
1.0UF, 50V, 20%, X7R, 12
DTM*002*20130820
PKG*F*35***TAPE AND REEL
PO1*700*50000*EA*0.0084*UM*BP*AAI1H-26111977*PU*26111977*BE*NR-001*MF*Vendor ELECTRONICS*MG*C1206C105M3RAC3123 PID*F**ZZ**MLCC,
1.0UF, 50V, 20%, X7R, 12
DTM*002*20130826

PKG*F*35***TAPE AND REEL

PO1*730*82000*EA*0.0084*UM*BP*AAI1H-26111977*PU*26111977*BE*NR-001*MF*Vendor ELECTRONICS*MG*C1206C105M3RAC3123
PID*F**ZZ**MLCC, 1.0UF, 50V, 20%, X7R, 12

DTM*002*20130829

PKG*F*35***TAPE AND REEL

CTT*5*232000

SE*36*214352710

GE*1*3977

IEA*1*000131674

CRP PO:

ISA*00* *00* *Flextronics ISA Qualifier*Flextronics ISA ID*Partner ISA Qualifier*Partner ISA ID *140605*2210*U*00401*000002146*1*T*~
GS*PO*Flextronics GS ID*Partner GS ID*20140605*2210*4*X*004010

ST*850*103100522

BEG*00*RL*J1FM21916*0*20140605

CUR*BY*USD

REF*VR*SP1U00492

PER*BD*BUNNAWAS B***EM*Bunnawas.B@flextronics.com

FOB*DF*OR*FreeOnBoard*01*500

ITD*05*3*****0*****Net 90 Days

N1*ST*FLEXTRONICS C/O MENLO WORLDWIDE LOGISTICS*ZZ*FLX000005

N3*60 ALPS AVENUE

N4*SINGAPORE**498815*SG

N1*BT*FLEXTRONICS MFG (SG) Pte Ltd*ZZ*PJ1601

N3*2 Changi South Lane

N4*Singapore**486123*SG PO1*10*100*EA*0.9*UM*BP*SEA1H-HUA17012*PU*HUA17012*BE*~
*MF*SAMTEC*MG*HPT-125-01-S-D-RA PID*F**ZZ**CONN HSTP 1.27 MALE AU 50 2X25 THD PA

DTM*002*20140610

CTT*1*100

SE*18*103100522

GE*1*4

IEA*1*000002146

Consignment Purchase Replenishment PO:

ISA*00* *00* * Flextronics ISA Qualifier*Flextronics ISA ID*Partner ISA Qualifier*Partner ISA ID *150612*1818*U*00401*000000137*1*T*~ GS*PO*
Flextronics GS ID*Partner GS ID*20150612*1818*7*X*004010~

ST*850*121818226~

BEG*00*CR*J59M23693*0*20150608~

CUR*BY*USD~

REF*VR*SP0001608~

PER*BD*Pedro Bernardo Gonzalez***EM*Pedro.gonzalez1@flextronics.com~

FOB*DF*OR*Free on Board*01*FOB~

ITD*05*3*****55*****Net 55

Days~ N9*L1*Header Text~

N1*ST*FLEXTRONICS TECHNOLOGIES MEXICO*ZZ*J59JW2~

N2*B7~

N3*Av Lopez Mateos Sur 2915 KM 6.*La Tijera~

N4*Tlajomulco de Zuniga*JA*45645*MX~

N1*BT*FLEXTRONICS INTERNATIONAL EUROPE B.V.*ZZ*059~

N3*Nobelstraat 10-14*5807 GA, Oostrum, Netherlands~

N4*TAX ID 807985752*GA*5807*NL~ PO1*10*38000*EA*0.005*UM*BP*FIA1H-520960213616*PU*520960213616*BE*NR-
000*MF*VISHAY*MG*CRW08055K60FKEA~ PID*F**ZZ**RES THK FILM 1/8W 1% 5.6K 0805~

DTM*002*20150608~

PKG*F*35***TAPE AND

REEL~ CTT*1*38000.0~

SE*21*121818226~

GE*1*7~

IEA*1*000000137~

Consumption PO

ISA*00* *00* *Flextronics Qualifier*Flextronics ISA ID *Supplier Qualifier*Supplier ISA ID *131125*1946*U*00401*000000004*1*T*~
GS*PO*Flextronics GS ID*Supplier GS ID*20131125*1946*2*X*004010
ST*850*251946343
BEG*00*CN*728P00067*0*20131125
CUR*BY*USD
REF*VR*SP0000163
PER*BD*Cyndi Byrum*TE*512-425-xxxx*EM*Cyndi.Byrum@flextronics.com
FOB*DF*OR*Austin TX USA
ITD*05*3*****60*****N60
N1*ST*Flextronics America, LLC*ZZ*728H26
N3*900 New Meister Ln. #300*Dock Door 28
N4*Pflugerville*TX*78660*US
N1*BT*Flextronics America, LLC*ZZ*246
N2*FGS AUSTIN 45T
N3*12463 Research Blvd.
N4*Austin*TX*78759*US
PO1*10*10*EA*1*UM*BP*HLK-VMI114S0065*****MF*Vendor*MG*RR0510S-2611-
FNH PID*F**ZZ**RES,MTL FLM,1/16W,56.2 OHM,1,0
REF*RQ*728C00085
REF*OL*PackSlip#
DTM*002*20131125
PKG*F*35***Tape & Reel
CTT*1*10.0
SE*22*251946343
GE*1*2
IEA*1*000000004

For more information, please
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