

**ELECTRONICS INDUSTRY DATA EXCHANGE  
(EIDX)**

**Implementation Recommendations  
for  
Price Catalog Transaction**

**832**

**IMPORTANT NOTE**

Pre-1999 business models are undergoing recast into Unified Modeling Language (UML) notation, and some restructuring. In addition, we've been adding cross-references to XML standards, such as RosettaNet. **The Downloadable business model documents have *not* been updated. Always refer to the "[Clickable Business Models](#)" for the latest and greatest information.** That area of the website also contains very useful information on newer, internet-based technologies. The changes to the existing models *have not changed the original intent* of the models published here in this table, but are (we hope) improvements to presentation that enhance understanding of the business processes and how to implement them.

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**ELECTRONICS INDUSTRY DATA EXCHANGE (EIDX)  
PRICE CATALOG RECOMMENDATIONS**

**Purpose**

The purpose of this document is to make recommendations on the ASC X12 PRICE CATALOG transaction to facilitate implementations. The EIDX guidelines give recommendations on which segments and data element codes to use. This document is a supplement providing details which every implementor should consider.

Of course, any implementation is an agreed upon method by trading partners. It is the intent of this document to make interpretation of the electronic price catalog more consistent so every implementation does not have its own set of rules but commonality.

**ADDITIONAL REFERENCES:**

- *EIDX Implementation Recommendations for Static Product Data Specification/Technical Information (March 1997)*

**STANDARDS VERSION**

Data segment and element positions referred to in this document are particular to ASC X12 Version 3020. Users of this document may need to adapt information when applying these recommendations to other standards versions. EIDX recommends at least ASC X12 version/release 3020 for the Price Catalog. Higher versions/ releases were considered to accommodate different units of measurement for standard packaging quantities and pricing per unit. The use of the value of PID05 with the PID04 = 'SQ1' accommodated the unit of measurement difference for all versions/ releases of ACS X12 832 Price Catalog transaction.

***Abbreviations Used***

ANSI	American National Standards Institute
ASC X12	Accredited Standards Committee X12 (ANSI)
EDI	Electronic Data Interchange
NAFTA	North American Free-Trade Agreement
PO	Discrete (Stand-Alone) Purchase Order
TCA:	Terms and Conditions Agreement
UN-EDIFACT:	United Nations - EDI For Administration, Commerce and Trade

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**Section 1 - Recommendations for Usage of Price Catalog**

**ELECTRONICS INDUSTRY DATA EXCHANGE (EIDX)  
PRICE CATALOG RECOMMENDATIONS**

**Use of 841 Specification/Technical Information Transaction for Static Physical Product Descriptions and Attributes**

Hard copy price catalogs often contain a substantial number of physical product attributes. This is data that does not change very often like product description, speed, temperature range, and packaging. Of course, new and updated prices and current marketing information may change often. These updates are in the latest price catalog.

In an electronic environment, product data which does not change need not be retransmitted with each updated price catalog. Physical product data can be transmitted in the 841 Specification/Technical Information transaction.

The 841 transaction can be sent with all products or just products with changes. Customers can update their systems with basic product data as needed, and utilize supplier product data from their system as necessary for their price catalog process.

The 841 Specification/Technical Information transaction for all products may be sent less often than the price catalog transaction. Use of the 841 transaction will reduce the number of PID04 segments sent for each product in the 832 Price Catalog transaction.

The 832 Price Catalog transaction needs only to include product attributes (PID segments) which involve pricing, ordering conditions, marketing conditions and other dynamic data.

An extensive list of product attributes are listed in Appendix A. These codes may be conveyed in PID segments in the PID04 data fields in the price catalog.

Group A in Appendix A is the PID04 code list of physical or other static product attributes, which are not likely to change between price catalog updates. These product attributes are more appropriate for the 841 transaction. They are included in this document for common interpretation if they are sent in a price catalog in the short term. In the long term, companies should review the 841 transaction to send static physical product data.

Group B in Appendix A is the PID04 code list of dynamic product attributes which may change between price catalog updates. This data may represent marketing strategies. Applicable codes are always sent in the 832 Price Catalog transaction.

	<b>841 SENT</b>	<b>841 NOT SENT</b>
<b>832 CONTENT</b>	PRICES PLUS APPENDIX A, GROUP B ATTRIBUTES	PRICES PLUS APPENDIX A, GROUPS A & B ATTRIBUTES

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**NOTES**

It may not be possible to determine if a note (where PID04 = 'NTE') applies to the static or dynamic product attributes. Notes are likely to be found in both 832 and 841 transactions.

The receiver of the 832 and 841 transactions should tag notes as coming from the 832 or 841 transactions, so they can determine which notes to update or overlay from a subsequent 832 or 841 transaction.

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**Sending All Products or Only Product Changes**

A supplier has the option to send prices for *all products or for selected products* in the 832 Price Catalog transaction.

- Method 1: SEND ALL PRODUCTS (FULL CATALOG)
- Method 2: SEND ONLY PRODUCTS WITH PRICE CHANGES, NEW PRODUCTS, or PRODUCTS WITH ATTRIBUTE UPDATES (DELTA CATALOG)

METHO D	ELEMEN T	DESCRIPTION	VALU E	MEANING	CONTEN T
<b><i>BCT: BEGINNING SEGMENT FOR PRICE/SALES CATALOG</i></b>					
<i>1</i>	<i>BCT10</i>	<i>TRANSACTION SET PURPOSE CODE</i>	<i>00</i>	<i>ORIGINAL</i>	<i>FULL CATALOG</i>
<i>2</i>	<i>BCT10</i>	<i>TRANSACTION SET PURPOSE CODE</i>	<i>04</i>	<i>CHANGE</i>	<i>DELTA CATALOG</i>

Consider the following when determining the transaction content.

**METHOD 1: SEND ALL PRODUCTS (FULL PRICE CATALOG)**

Whenever the price catalog is received with the ‘original’ code (BCT10=‘00’), the *entire new price catalog should totally overlay* the previous price catalog from the supplier.

It is likely that a large volume of unchanged data from the last transmission is sent again if this method is used regularly. The 832 transaction could be a very costly transaction if unchanged product data is resent. Sending unchanged data has no added value.

It may suffice to send a FULL PRICE CATALOG with all products for the *initial* 832 Price Catalog transaction to a customer or upon request from the customer.

**METHOD 2: SEND ONLY PRODUCTS WITH PRICE CHANGES, NEW PRODUCTS, OR PRODUCTS WITH PRODUCT ATTRIBUTE UPDATES (DELTA CATALOG)**

The BCT10=‘04’ (Change) is to be interpreted as a selective update of prices for the products in the price catalog.

This method is less costly to implement on a regular basis. Only new or changed products, their product attributes, and price changes could be sent without a large volume of data. New products are considered ‘changes’ to the previous price catalog.

Pairs of Product Description codes (PID04) and associated Descriptions (PID05) describe all product

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attributes and descriptions.

Both methods are independent of the number of product attributes sent with each product. Product attributes may be sent in the 832 or 841 transactions. EIDX recommends the 841 transaction for physical or static product attributes. The initial electronic price catalog from a given supplier should have *all the product attributes for each product* conveyed in the 832 or 841 transaction.

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**X12 Version/Release Considerations**

As transactions evolved through the ASC X12 development process, segments and data elements changed. The following items should be noted when selecting the ASC X12 version and release for implementation.

**1. MINIMUM AND INCREMENTAL QUANTITIES**

For versions up to and including 3010, use CTC Order Quantity Segment for the following:

- CTC01='MIN' for minimum quantity
- CTC01='INC' for incremental order quantity

For versions 3020 and higher, use the CTB Restrictions/Conditions Segment for the following:

- CTB03='57' for minimum quantity
- CTB03='69' for incremental order quantity

**ELECTRONICS INDUSTRY DATA EXCHANGE (EIDX)  
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<b>Miscellaneous Segments</b>
-------------------------------

**LIN ITEM IDENTIFICATION DETAIL**

A price catalog will have a product LIN loop for each product in a price catalog. Only the 'VP' qualifier (meaning Vendor Part) and the vendor part number are found on the LIN segment.

**DTM DATE/TIME REFERENCE**

Use the following DTM02 Date/Time Qualifiers:

- 007 - PRICE EFFECTIVE DATE (usually found in the transaction header)
- 024 - PROMOTION ORDER -END (for LAST PURCHASE DATE)
- 038 - SHIP NO LATER (for LAST DATE OF SHIPPING)
- 043 - PUBLICATION (for MATERIAL SAFETY DATA SHEET DATE)

**LDT LEAD-TIME**

Use as defined by the standards. See the EIDX transaction 846 Inventory Reporting Guidelines for details.

**CTC ORDER QUANTITY (FOR MINIMUM AND INCREMENTAL QUANTITY) AND CTB RESTRICTIONS/CONDITIONS SEGMENT (FOR MINIMUM AND INCREMENTAL QUANTITIES)**

For versions up to and including 3010, use CTC Order Quantity Segment for the following:

- CTC01='MIN' for minimum quantity
- CTC01='INC' for incremental order quantity

For versions higher than 3010, use CTB Restrictions/Conditions Segment for the following:

- CTB03='57' for minimum quantity
- CTB03='69' for incremental order quantity

**REF REFERENCE NUMBERS (FOR PART CLASSIFICATION)**

Use REF for Part Classification.

- REF02= 'PG' (Product Group)

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- REF03 for the actual value.

**TC2 COMMODITY (FOR HARMONIZED SYSTEM TARIFF CLASSIFICATION)**

Use TC2 for the Harmonized System Tariff Classification.

- TC202 = 'J' (Harmonized Code System)
- TC203 has the actual value.

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PRICE CATALOG RECOMMENDATIONS**

<b>Product Data</b>
---------------------

**PID04/05 PRODUCT DESCRIPTION CODE/PRODUCT DESCRIPTION**

EIDX has developed and will maintain code lists for PRODUCT DESCRIPTION CODE (PID04, data element 751) and DESCRIPTION (PID05, data element 352) to describe product attributes for products in a price catalog. The use of these codes across all trading partners should facilitate implementations.

Note the following:

1. Product attributes are conveyed in several PRODUCT/ITEM DESCRIPTION (PID) segments.
2. There can be up to 200 PID segments within a given ITEM IDENTIFICATION DETAIL (LIN) line item segment.
3. Every product attribute in a PID segment is optional. Send only product attributes that apply to your corporate data. Any specific PID04 description code can be used multiple times if applicable.
4. The PID segment is formatted like the following:

	<b>PID0 1</b>	<b>PID0 2</b>	<b>PID0 3</b>	<b>PID04</b>	<b>PID05</b>
PID*	S*	08*	EX*	(EIDX CODE)*	(your data)
'PID*S*08*EX' is constant for each PID segment.					
	'S'	=	STRUCTURED (FROM INDUSTRY CODE LIST)		
	'08'	=	PRODUCT		
	'EX'	=	ELECTRONIC INDUSTRY DATA EXCHANGE (EIDX) ASSOCIATION		
	(EIDX CODE)	=	one of EIDX's Product Description codes		
	(your data)	=	your corporate data or one of the codes from the code lists for the PID05		

5. The PID05 Description contains your actual corporate specific data labeled or qualified by the PID04 Description Code.
6. Code values used in the PID05 can be reused among different PID04 fields, e.g. 'M' can be used with the Product Grade (GRD) code and the Temperature (TMP) code.

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7. PID05 product data has one of the following data types:

<b>DATA TYPE</b>	<b>MEANING</b>
Code	The EIDX established code
Flag	The flag is 'Y' for yes or 'N' for no depending on if the product attribute applies.
Free Form Text	Anything keyed (1-80 characters)
Number	Any number

8. Definitions for most of the product attributes are believed to be obvious. If any code is not clear, let EIDX know so an attempt can be made to define the code in detail.

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**Product Attribute Tables**

Tables are often found in the front of paper price catalogs. Tables have sub-components to interpret the meaning of the codes in the table. Each supplier's table may contain a different number of sub-components and different definitions of sub-components to represent the single code found in the table.

Every code in a table should have a PID04 code assigned to it. Plus each sub-component within the table's code interpretation should have a PID04 code assigned to it.

For example:

- From supplier AA's Classification Table, a class 'M' part (i.e., CLS='M') means that the product is *Military grade, minimum order required, and the product is non returnable*
- From Supplier BB's Classification Table, a class 'M' (i.e., CLS='M') means that the product is *Commercial grade, and requires special handling*

SUPPLIER	PID04	(Value) PID05		(Value) PID05 GRADE	MINIMUM ORDER	(Value) PID05 LIMITATION	(Value) PID05 SPECIAL HANDLING
AA	CLS	M	means	M	Y	N	
AA	CLS	A	means	C	Y	A	
AA	CLS	B	means	C	N	R	
AA	CLS	C	means	C	Y	C	
BB	CLS	M	means	C			Y
BB	CLS	C	means	A			N
<b>SUB-COMPONENTS OF THE 'CLASSIFICATION' TABLE ARE MAPPED TO THE FOLLOWING PID04 CODES:</b>							
	IMPORTANT	>		GRD	(Use CTC or CTB segment)	LIM	SPH

**RESULTING PID SEGMENTS**

<u>SUPPLIER AA</u>		<u>SUPPLIER BB</u>	
<u>PID04</u>	<u>PID05</u>	<u>PID04</u>	<u>PID05</u>
CLS	M	CLS	M

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GRD	M	GRD	C
LIM	N	SPH	Y
Use CTC or CTB segment for minimum orders)			

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**Product Attributes for Standard Package Type Codes**

**PID04/PID05 PRODUCT DESCRIPTION CODE/PRODUCT DESCRIPTION**

The usage of multiple Standard Package Type codes (ST1, ST2, ST3) is best explained with an example.

<b>SQ1*4</b>	<b>meaning 4 units (ST1 indicates tubes; hence 4 units in a tube)</b>
<b>ST1*U</b>	<b>meaning Tube (a unit of measurement associated with SQ1)</b>
<b>SQ2*144</b>	<b>meaning 144 units (ST2 indicates Q-Pack; hence 144 units in a Q-pack)</b>
<b>4</b>	
<b>ST2*Q</b>	<b>meaning Q-pack (a unit of measurement associated with SQ2)</b>

The Standard Package Type-1 Code (ST1) and its associated Standard Package Quantity (SQ1) should contain the smallest packaging type for the product. For semiconductors, this may be tubes (ST1='T'). In the above example, 4 units of the product are in a tube.

The next level of packaging is found in Standard Package Type-2 code (ST2) and its quantity (SQ2). In the above example, 144 units of the product make a Q-Pack. The multiplication of number of tubes in a Q-pack times number of units in a tube is calculated by the supplier and the resulting number is sent in a SQ2.

A former price catalog may convey '4 units to a tube' and '36 tubes make a Q-Pack'. The latter entity is not sent in the ASC X12 Price Catalog transaction as defined by EIDX. Instead, the supplier sends the number of units in the smallest container and the number of units in the next level of packaging, e.g., '4 units to a tube' and '144 units make a Q-Pack'.

The next level of packaging may be sent with SQ3 and ST3 codes if necessary.

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**Units of Measurement: Standard Packaging Quantity vs. Price Per Unit**

An example of different units of measurement for the price versus standard packaging quantity is the following:

- Price is \$10.00 per unit, but the product is shipped in standard packaging groups of 4 units.

EIDX recommends that all pricing be conveyed per unit (each). However, standard packaging may be greater than one unit. Orders must have the correct multiple of the standard packaging quantity because it optimizes standard shipping containers.

The lowest number of units in a standard packaging quantity is noted in the PID segment with PID04 = 'SQ1'. The *buyer's system* needs to determine that the order must be in multiples of n units as noted in the PID05 for the PID04 = 'SQ1'. They must further examine the PID04 = 'SQ2' and its associated PID04 = 'ST2', and the PID04 = 'SQ3' and its associated PID04 = 'ST3' to optimize ordering quantities.

*Ordering in multiple standard packing units is a requirement beyond minimum order quantities (CTB or CTC segment) and incremental order quantities (another CTB or CTC segment). The incremental order quantity may or may not be exactly the standard packaging quantity in the PID05 associated with the PID04 = 'SQ1'.*

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**Product Attributes: Numbers Plus Qualifiers or Units of Measure**

There are several product attributes which are represented by a NUMBER. The particular number needs a second code to convey unit of measurement for the number. For example, 'part access time' of '15 nanoseconds' required both the ATM and ATU codes in two PID segments.

These product attributes are more suitable for 841 transactions since the data does not change between price catalog changes. They may be used in the short term in the 832 Price Catalog until the supplier implements the 841 transaction.

<b>MEANING</b>	<b>PID04</b>	<b>PID05 EXAMPLES</b>
Part Access Time	ATM	15
Part Access Time Unit of Measurement	ATU	NS (for nanoseconds)
Part Capacitance Number	CAP	10
Part Capacitance Qualifier Code	CAQ	UF (for microfarads)
Number of Contacts	CNM	132
Contact Type Code	CTY	P (for pins)
Part Read Cycle	RCY	20
Part Read Cycle Unit of Measurement	RCU	NS (for nanoseconds)
Part Serial Access Time	SAT	14
Part Serial Access Time Unit of Measurement	SAU	NS (for nanoseconds)
Shelf Life	SLF	4
Shelf Life Unit of Measurement	SLU	Y (for years)
Speed	SPD	15
Speed Unit of Measurement	SPU	NS (for nanoseconds)
Standard Packaging Quantity -1 (smallest package)	SQ1	12
Standard Packaging Quantity -1 Unit of Measurement (associated with SQ1)	ST1	U (for tube)
Standard Packaging Quantity -2 (level 2 package: next level package after SQ1)	SQ2	48
Standard Packaging Quantity -2 Unit of Measurement (associated with SQ2)	ST2	Q (for Q-Packs)
Standard Packaging Quantity -3 (level 3 package: next level package after SQ2)	SQ3	

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Standard Packaging Quantity -3 Unit of Measurement (associated with SQ3)	ST3	
Temperature Range: Low Point	THL	-100
Temperature Range: High Point	THM	100
Temperature Range Unit of Measurement	THQ	C

The following attribute has its PID05 contain only a number. The unit of measurement is voltage by its definition.

<b>MEANING</b>	<b>PID04</b>	<b>PID05</b>
Part Voltage	VOL	15

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<b>Product Attribute: Country of Origin</b>
---

Country of origin is PID04 set to 'ORG'. It is optional. Each company will determine if the attribute applies to their products.

Considering the legal complexity of the definition of country of origin, EIDX does not attempt to define country of origin in this document. Each company should obtain its own copy of the 'North American Free Trade Agreement Certificate of Origin Instructions' for NAFTA's official definition of country of origin to make their interpretation for all their business processes. This also applies to all other trade agreements.

**REFERENCE PRODUCT**

A reference product may be found in PID05 when PID04 is set to 'REF'. It is optional. If the product in the LIN segment is obsolete, its replacement product may be placed in the PID05 data field when the PID04 is set to 'REF'.

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**Distributor Price Protection Considerations**

**PID PRODUCT IDENTIFICATION SEGMENT**

*Price Protection* refers to a supplier notification to distributors of cost adjustments to the distributor's inventory of the supplier's products. The distributor is informed in the price catalog which products are price protected for the future and which products may be submitted in credit memos for a price adjustment.

The PID segments must be carefully coded to enable an electronic price protection process. See the EIDX document on Price Protection for full details.

**PRICE PROTECTION STATUS**

The following PPS codes indicate the price protection status of a product. If it is not present in the next price catalog, assume the PPS status is unchanged from the last price catalog.

<b>PID0</b>	<b>PID05</b>	<b>PID05 MEANING</b>	<b>PID05 EXPLANATION</b>
<b>4</b>			
<b>PPS</b>	<b>Y</b>	YES	The product is price protected
<b>PPS</b>	<b>N</b>	NO	The product is not price protected

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**COST ADJUSTMENT CLAIMS**

When the PID04='CLM' attribute is sent and the PID05='PI' indicates a price increase, the supplier may initiate a 'bill-up' to the current price.

When the PID04='CLM' attribute is sent and the PID05= 'DC', 'NP', 'PP', or 'RM', the price protection process starts between supplier and distributor.

<b>PID04</b>	<b>PID05</b>	<b>PID05 MEANING</b>	<b>PID05 EXPLANATION</b>
<b>CLM</b>	<b>DC</b>	PRODUCT DISCONTINUED No longer available for ordering and inventory is not price protected	The previous price catalog indicated that the inventory for the product was price protected. With the effective date of the new price catalog, the product is no longer available for ordering and the inventory is no longer price protected.
<b>CLM</b>	<b>NP</b>	NON PRICE PROTECTED Product is removed from price protection but the product remains in the price catalog	The previous price catalog indicated that the inventory for the product was price protected. With the effective date of the new price catalog, the product is removed from price protection but the product remains in the price catalog as non-protected.
<b>CLM</b>	<b>PP</b>	PRICE PROTECTION Product had a price decrease	The product was price protected in the price catalog. Since the price decreased, a debit claim may be submitted when the new price catalog is in effect.
<b>CLM</b>	<b>RM</b>	REMOVED FROM PRICE CATALOG Self-explanatory	The previous price catalog indicated that the inventory for the product was price protected. With the effective date of the new price catalog, the product is removed from price protection and the product is also removed from the price catalog.
<b>PRIC E</b>	<b>INCREAS E</b>		
<b>CLM</b>	<b>PI</b>	PRICE INCREASE (Product may have a 'bill-up' to the higher price)	The product had a price increase which is subject to 'bill-up' at the supplier's discretion during this price period.

The Credit/Debit Adjustment (812) transaction should contain only those products identified in the Supplier's Price Catalog (832) transaction as products which are flagged for price protection. Again,

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these products are identified by the following:

<b>ELEMENT</b>	<b>DESCRIPTION</b>	<b>VALUE</b>	<b>MEANING</b>
<i>PID: PRODUCT/ITEM DESCRIPTION</i>			
PID04	PRODUCT DESCRIPTION CODE	CLM	CLAIM
PID05	DESCRIPTION	PP	PRICE PROTECTION

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**PRICING**

**CTP PRICING INFORMATION SEGMENT**

Pricing on the CTP segment can be conveyed by two different methods indicated by the CTP02 price qualifiers (DE236):

- Unit Price Through Quantity (CTP02='ICL')
- Unit Price Beginning Quantity (CTP02='PBQ')

The quantity in the CTP04 specifies either the 'beginning quantity' or the 'ending quantity' for the quantity range. *The calculated price will be the same by either method.* Conceptually, the use of ICL is easier to understand since price breaks often refer to quantity ranges. Consequently, the ICL may be easier to code in computer systems.

Carefully review each pair of CTP segments in this examples to understand the difference. This example is for the distributor price (CTP01='DI').

(A1)	CTP*DI*ICL*40.00*500*EA	PRICE is 40.00 FOR QTY 1-500 (‘Through quantity 500’ is explicit in this CTP segment. The quantity 1 is implied because this is the first CTP*DI*ICL segment.)
(B1)	CTP*DI*PBQ*40.00*1*EA	PRICE is 40.00 FOR QTY 1-500 (‘Beginning quantity 1’ is explicit in this CTP segment. See the next CTP*DI*PBQ for the next quantity break. See (B2). In this case the quantity is 501 so subtract one unit.)
(A2)	CTP*DI*ICL*35.00*1000*EA	PRICE is 35.00 FOR QTY 501-1000 * (‘Through quantity 1000’ is explicit in this CTP segment but quantity 500 is implied from the previous CTP segment, i.e., this is the price for quantity 501-1000.) * Literally, the use of the ICL code in this segment means QTY 1-1000 (but at least quantity 500)
(B2)	CTP*DI*PBQ*35.00*501*EA	PRICE is 35.00 FOR QTY 501-1000 (‘Beginning quantity 501’ is explicit in this CTP segment. See the next CTP*DI*PBQ for the next quantity break. See (B3). In this case the quantity is 1001 so subtract one unit.)
(A3)	CTP*DI*ICL*30.00*9999*EA	PRICE is 30.00 FOR QTY > 1000 (‘Through quantity 999999’ is explicit in this CTP segment to mean infinite quantities. This means a quantity one beyond the

**ELECTRONICS INDUSTRY DATA EXCHANGE (EIDX)  
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		quantity in the previous CTP segment (see (A2)), i.e., quantity greater than 1000.)
(B3)	CTP*DI*PBQ*30.00*1001*EA	PRICE is 30.00 FOR QTY > 1000 (‘Beginning quantity 1001’ is explicit in this CTP segment. This is the last CTP*DI*PBQ so this price applies to all quantities starting at 1001.)

**ELECTRONICS INDUSTRY DATA EXCHANGE (EIDX)  
PRICE CATALOG RECOMMENDATIONS**

**UNIT PRICE THROUGH QUANTITY  
(CTP02='ICL')**

ICL means 'Unit Price Through Quantity', for example:

- CTP segment with CTP02='ICL' and CTP03 =100 (quantity) means price for quantity from 1 through 100.
- CTP segment with CTP02='ICL' and CTP03 =200 (quantity) means price for quantity from 1 through 200.

**When CTP02 equals 'ICL' (Unit Price Through Quantity), the starting quantity for the price/quantity range is one unit.** The price break will occur at one unit beyond the maximum units in the previous price category.

Back to back CTP02='ICL' attributes imply price breaks when the quantity ordered is higher than the maximum quantity specified on the previous CTP segment.

The last CTP02='ICL' within the CTP group for the fixed CTP01 (resale, catalog, etc.) price list is set to quantity 999999 to mean all quantities beyond the quantity found in the previous CTP segment (within the same CTP01 value) in the transaction.

**EXAMPLES:**

CTP*DI*ICL*40.00*500*EA	DISTRIBUTOR CATALOG PRC is 40.00 FOR QTY 1-500
CTP*DI*ICL*35.00*1000*EA	DISTRIBUTOR CATALOG PRC is 35.00 FOR QTY 501-1000
CTP*DI*ICL*30.00*999999*EA	DISTRIBUTOR CATALOG PRC is 30.00 FOR QTY > 1000
CTP*RS*ICL*50.00*400*EA	RESALE PRICE is 50.00 FOR QTY 1-400
CTP*RS*ICL*45.00*900*EA	RESALE PRICE is 45.00 FOR QTY 401-900
CTP*RS*ICL*40.00*999999*EA	RESALE PRICE is 40.00 FOR QTY >900
<i>Unit price may have more than 2 decimal positions</i>	
<i>Quantity ranges may be different for distributor prices and resale prices.</i>	
<i>Literally, the use of the ICL code in this segment means QTY 1-1000 (but at least quantity 500)</i>	

**SAMPLE CALCULATIONS - PRICE CATALOG: DISTRIBUTOR CATALOG  
(CTP01='DI')**

**ELECTRONICS INDUSTRY DATA EXCHANGE (EIDX)  
PRICE CATALOG RECOMMENDATIONS**

<b>QTY RANGE</b>	<b>CATALOG PRICE</b>		<b>ORDER QTY</b>	<b>TOTAL ORDER COST CALCULATION</b>	<b>TOTAL ORDER COSTS</b>
1-500	\$40.00		500	All units are \$40 each.	\$20,000
.501-1000	\$35.00		501	All units are \$35 each	\$17,535
> 1000	\$30.00		1001	All units are \$30 each	\$30,030

**ELECTRONICS INDUSTRY DATA EXCHANGE (EIDX)  
PRICE CATALOG RECOMMENDATIONS**

**UNIT PRICE BEGINNING QUANTITY  
(CTP02='PBQ')**

**PBQ** means 'Unit Price Beginning Quantity', for example:

CTP segment with CTP02='PBQ' and CTP04 = 501 (quantity) means price for quantity starting at 501.

When CTP02 equals **PBQ** (Unit Price Beginning Quantity), different prices are used for different quantities found in the higher price categories.

**EXAMPLES:**

CTP*DI*PBQ*40.00*1*EA	DISTRIBUTOR CATALOG PRC is 40.00 FOR QTY 1-500
CTP*DI*PBQ*35.00*501*EA	DISTRIBUTOR CATALOG PRC is 35.00 FOR QTY 501-1000
CTP*DI*PBQ*30.00*1001*EA	DISTRIBUTOR CATALOG PRC is 30.00 FOR QTY > 1000
CTP*RS*PBQ*50.00*1*EA	RESALE PRICE is 50.00 FOR QTY 1-400
CTP*RS*PBQ*40.00*401*EA	RESALE PRICE is 40.00 FOR QTY 401-1000
CTP*RS*PBQ*30.00*1001*EA	RESALE PRICE is 30.00 FOR QTY >1000
<i>Unit price may have more than 2 decimal positions</i>	
<i>Quantity ranges may be different for distributor prices and resale prices.</i>	

**SAMPLE CALCULATIONS - PRICE CATALOG: DISTRIBUTOR CATALOG  
(CTP01='DI')**

QTY RANGE	CATALOG PRICE	ORDER QTY	TOTAL ORDER COST CALCULATION	TOTAL ORDER COSTS
1-500	\$40.00	500	All units are \$40 each.	\$20,000
501-1000	\$35.00	501	All units are \$35 each.	\$17,535
at least 1001	\$30.00	2000	All units are \$30 each.	\$30,030

It is recommended not to intermix the use of ICL and PBQ for the CTP01(Class of Trade Code) within a given LIN loop (product), i.e., the resale price should not be using CTP02 = 'ICL', and the distributor cost should not be using CTP02 = 'PBQ' within the same LIN loop.

**ELECTRONICS INDUSTRY DATA EXCHANGE (EIDX)  
PRICE CATALOG RECOMMENDATIONS**

The CTP segments within the fixed CTP02 code (resale price, distributor price, etc.) should be in the transaction in ascending order by the CTP04 quantity field.

**ELECTRONICS INDUSTRY DATA EXCHANGE (EIDX)  
PRICE CATALOG RECOMMENDATIONS**

**Price Catalog Examples**

There are three examples of the use of the Price Sales Catalog transaction set on the following pages. All examples are using ASC X12 version 3020 as evident with the CTB segment.

**EXAMPLE 1: INITIAL PRICE CATALOG - EXCLUDES ALL PHYSICAL PRODUCT ATTRIBUTES**

This transaction has a transaction purpose indicating an original (00). An original transaction implies that *all products* and their prices are included in the transaction. All products are provided, but physical product attributes in PID segments are excluded. It is likely that all the physical product attributes are sent in the 841 Specification/Technical Information transaction. Still, there are 29 PID segments for dynamic product attributes. Only one line item (product) is illustrated. The LIN loop will repeat for each product in the price catalog.

<b>SAMPLE</b>	<b>MEANING</b>
ST*832*8766	This is the price catalog transaction with control number 8766.
BCT*PC*D96Q1*****00	Original price catalog D96Q1.
DTM*007*960308	The effective date is March 8, 1996 unless noted differently in the line item.
N1*MF*ACME INC.*92*AC1	Price catalog from manufacturer ACME INC. with seller code AC1.
LIN**VP*PAL1234	The item is identified as vendor part PAL1234.
DTM*024*960308	The last date to purchase is March 8, 1996.
DTM*038*960430	The last date for shipping is April 30, 1996.
DTM*043*950616	The Material Safety Data Sheet date is June 16, 1995.
CTB***MIN*1000	The minimum order quantity is 1000.
CTB***INC*100	The incremental order quantity is 100.
PID*S*08*EX*CDR*D	The cost direction (not resale cost) is a cost decrease.
PID*S*08*EX*CLM*PP	The part is on a price protection claim.
PID*S*08*EX*CLS*B	The part classification is B.
PID*S*08*EX*DEV*Y	This part is a developmental tool.
PID*S*08*EX*DOE*Y	This part can be a direct order only.
PID*S*08*EX*DRS*Y	This part can be a drop ship only.
PID*S*08*EX*EXC*Y	This part has export control upon it.
PID*S*08*EX*HCC*3926.90.90.99	The Harmonized System Tariff Classification is 3926.90.90.99.
PID*S*08*EX*LIM*N	The product has limitations coded non-returnable.
PID*S*08*EX*LRP*Y	The product has limited return privileges.

**ELECTRONICS INDUSTRY DATA EXCHANGE (EIDX)  
PRICE CATALOG RECOMMENDATIONS**

PID*S*08*EX*MMP*Y	The catalog price is market price.
PID*S*08*EX*MON*C	The product is monitored by the Dept. of Commerce.
PID*S*08*EX*NTE*ATTACHME NT IS NEEDED	This is a note (free form text).
PID*S*08*EX*ORG*U	The country of origin (most value added) is the United States.
PID*S*08*EX*PKG*FLAT PACK	The components are packaged as FLAT PACK.
PID*S*08*EX*PNC*Y	This is a part correction.
PID*S*08*EX*PRM*V	The component is in the V promotion program.
PID*S*08*EX*PRP*Y	The component is proprietary.
PID*S*08*EX*PST*O	The part status is O for obsolete part.
PID*S*08*EX*RDR*D	This part has a resale cost direction of D for decrease.
PID*S*08*EX*REF*PAL2345-65	The reference part is PAL2345-65.
<i>Example continued on next page</i>	

**ELECTRONICS INDUSTRY DATA EXCHANGE (EIDX)  
PRICE CATALOG RECOMMENDATIONS**

PID*S*08*EX*RGR*E	The part may be registered. Registration class is E.
PID*S*08*EX*ROS*U	The region of sale is the United States.
PID*S*08*EX*SAM*Y	A sample component is available.
PID*S*08*EX*SPH*D	The components are special handled in DRYPACK.
PID*S*08*EX*SPO*H	Components have a heat spreader for special packaging option.
PID*S*08*EX*SQ1*12	A tube consist of 12 units.
PID*S*08*EX*ST1*U	The components are shipped in tubes.
PID*S*08*EX*SQ2*48	There are 48 units in level 2 (See ST2 for Q-PACK ).
PID*S*08*EX*ST2*Q	The packaging type is Q-Pack for SQ2.
CTP*DI*ICL*24.00*12*EA	DISTRIBUTOR CATALOG PRC IS \$24.00 FOR QTY 1-12.
CTP*DI*ICL*22.00*48*EA	DISTRIBUTOR CATALOG PRC IS \$22.00 FOR QTY 13-48.
CTP*DI*ICL*20.00*999999*EA	DISTRIBUTOR CATALOG PRC IS \$20.00 FOR QTY > 48.
CTP*RS*ICL*40.00*12*EA	RESALE PRICE \$40.00 FOR QTY 1-12.
CTP*RS*ICL*35.00*48*EA	RESALE PRICE \$35.00 FOR QTY 13-48.
CTP*RS*ICL*30.00*999999*EA	RESALE PRICE \$30.00 FOR QTY > 48.
CTT*1	There is one line item (LIN) in this transaction.
SE*47*8766	This transaction consists of 47 segments. It is the end of control number 8766.

**ELECTRONICS INDUSTRY DATA EXCHANGE (EIDX)  
PRICE CATALOG RECOMMENDATIONS**

**EXAMPLE 2: INITIAL PRICE CATALOG - INCLUDES ALL PHYSICAL PRODUCT ATTRIBUTES**

This transaction has a transaction set purpose indicating an Original (00). Transaction set purpose code 00 implies that all products and prices are included. It does not imply the presence or absence of PID segments.

This price catalog includes physical product part attributes in PID segments. There are 53 PID segments in this example. This transaction is particularly useful for the initial price catalog if the 841 Specification/Technical Information transaction is not used in the short term.

<b>SAMPLE</b>	<b>MEANING</b>
ST*832*8767	This is the price catalog transaction with control number 8767.
BCT*PC*D96Q1*****00	Original price catalog D96Q1.
DTM*007*960308	The effective date is March 8, 1996 unless noted differently in the line item.
N1*MF*ACME INC.*92*AC1	Price catalog from manufacturer ACME INC. with seller code AC1.
LIN**VP*PAL1234	The item is identified as vendor part PAL1234.
DTM*024*960308	The last date to purchase is March 8, 1996.
DTM*038*960430	The last date for shipping is April 30, 1996.
DTM*043*950616	The Material Safety Data Sheet date is June 16, 1995.
CTB****MIN*1000	The minimum order quantity is 1000.
CTB****INC*100	The incremental order quantity is 100.
PID*S*08*EX*ALT*7	The lead time is 7 units (see ALU).
PID*S*08*EX*ALU*D	The lead time is measured in work days.
PID*S*08*EX*ATM*15	The part access time is 14 units (see ATU).
PID*S*08*EX*ATU*NS	The part access time is in nanoseconds (see ATM)
PID*S*08*EX*CAP*10	The part capacitance is 10 (see CAQ).
PID*S*08*EX*CAQ*UF	The capacitance is measured in microfarads. (see CAP).
PID*S*08*EX*CDR*D	The cost direction (not resale cost) is a cost decrease.
PID*S*08*EX*CLM*PP	The part is on a price protection claim.
PID*S*08*EX*CLS*B	The part classification is B.
PID*S*08*EX*CNM*132	The number of contacts is 132.
PID*S*08*EX*CTY*P	The contact type is pins.
PID*S*08*EX*DEV*Y	This part is a developmental tool.
PID*S*08*EX*DOE*Y	This part can be a direct order only.
PID*S*08*EX*DRS*Y	This part can be a drop ship only.
PID*S*08*EX*DSC*CMOS,COD EC,DUAL SLAC	The part description is 'CMOS,CODEC,DUAL SLAC'.

**ELECTRONICS INDUSTRY DATA EXCHANGE (EIDX)  
PRICE CATALOG RECOMMENDATIONS**

PID*S*08*EX*EXC*Y	This part has export control upon it.
PID*S*08*EX*FNS*G	This part has a gold finish.
PID*S*08*EX*GRD*M	The product is a MILITARY GRADE.
PID*S*08*EX*HCC*3926.90.90.99	The Harmonized System Tariff Classification is 3926.90.90.99.
PID*S*08*EX*LIM*N	The product has limitations coded non-returnable.
PID*S*08*EX*LRP*Y	The product has limited return privileges.
PID*S*08*EX*MMP*Y	The catalog price is market price.
PID*S*08*EX*MON*C	The product is monitored by the Dept. of Commerce.
PID*S*08*EX*NTE*ATTACHMENT IS NEEDED NOTE: A special attachment is needed.	
<i>Example continued on next page</i>	

**ELECTRONICS INDUSTRY DATA EXCHANGE (EIDX)  
PRICE CATALOG RECOMMENDATIONS**

PID*S*08*EX*ORG*U	The country of origin (most value added) is the United States.
PID*S*08*EX*PKG*FLAT PACK	The components are packaged as FLAT PACK.
PID*S*08*EX*PLN*PLD	The product group is PLD.
PID*S*08*EX*PNC*Y	This is a part correction.
PID*S*08*EX*PRM*V	The component is in the V promotion program.
PID*S*08*EX*PRP*Y	The component is proprietary.
PID*S*08*EX*PST*O	The part status is O for obsolete part.
PID*S*08*EX*RCY*10	This part's read cycle is 20 units (see RCU).
PID*S*08*EX*RCU*NS	This part's read cycle is in nano seconds (see RCY).
PID*S*08*EX*RDR*D	This part has a resale cost direction of 'D' (decrease).
PID*S*08*EX*REF*PAL2345-65	The reference part is PAL2345-65.
PID*S*08*EX*RGR*E	The part may be registered. Registration class is E.
PID*S*08*EX*ROS*U	The region of sale is the United States.
PID*S*08*EX*SAM*Y	A sample component is available.
PID*S*08*EX*SAT*20	The component serial access time is 20 units (see SAU).
PID*S*08*EX*SAU*NS	The component serial access time is measured in nanoseconds (see SAT).
PID*S*08*EX*SLF*4	The shelf life is 4 units (see SLU).
PID*S*08*EX*SLU*Y	The shelf life unit is years (see SLF).
PID*S*08*EX*SPD*15	The component speed is 15 units (see SPU).
PID*S*08*EX*SPU*NS	The component speed unit is in nanoseconds (see SPD).
PID*S*08*EX*SPH*D	The components are special handled in DRYPACK.
PID*S*08*EX*SPO*H	Components have a heat spreader for special packaging option.
PID*S*08*EX*SQ1*12	A tube consist of 12 units (see ST1 for std package type).
PID*S*08*EX*ST1*U	The components are shipped in tubes.
PID*S*08*EX*SQ2*48	There are 48 units in level 2 (see ST2).
PID*S*08*EX*ST2*Q	The packaging type for SQ2 in Q-Packs (see SQ2).
PID*S*08*EX*TMP*M	The temperature code is M for military.
PID*S*08*EX*TML*15	The temperature range low point is 15.
PID*S*08*EX*TMH*30	The temperature range high point is 30.
PID*S*08*EX*TMQ*30	The temperature range (TML to TMH) is Celsius.
PID*S*08*EX*THP*10	The high tolerance percent is 10.
PID*S*08*EX*TLP*-10	The low tolerance percent is -10.
PID*S*08*EX*VOL*30	The voltage is 30 volts.
CTP*DI*ICL*24.00*12*EA	DISTRIBUTOR CATALOG PRC IS \$24.00 FOR QTY 1 -12.
CTP*DI*ICL*22.00*48*EA	DISTRIBUTOR CATALOG PRICE IS \$22.00 FOR QTY

**ELECTRONICS INDUSTRY DATA EXCHANGE (EIDX)  
PRICE CATALOG RECOMMENDATIONS**

	13-48.
CTP*DI*ICL*20.00*999999*EA	DISTRIBUTOR CATALOG PRICE IS \$20.00 FOR QTY > 48.
CTP*RS*ICL*40.00*12*EA	RESALE PRICE \$40.00 FOR QTY 1-12.
CTP*RS*ICL*35.00*48*EA	RESALE PRICE \$35.00 FOR QTY 13-48.
CTP*RS*ICL*30.00*999999*EA	RESALE PRICE \$30.00 FOR QTY > 48.
CTT*1	There is one line item (LIN) in this transaction.
SE*71*8767	This transaction consists of 71 segments. It is the end of control number 8767.

**ELECTRONICS INDUSTRY DATA EXCHANGE (EIDX)  
PRICE CATALOG RECOMMENDATIONS**

**EXAMPLE 3: PRICE UPDATES ONLY - EXCLUDES ALL PRODUCT ATTRIBUTES**

This transaction has a transaction set purpose indicating a Change (04). A 'change' transaction implies that selected products are included in the transaction. PID segments may be sent if necessary.

<b>SAMPLE</b>	<b>MEANING</b>
ST*832*8768	This is the price catalog transaction with control number 8768.
BCT*PC*D96Q1*****04	Price catalog D96Q1 changes are in this transaction.
DTM*007*960308	The effective date is March 8, 1996 unless noted differently in the line item.
N1*MF*ACME INC.*92*AC1	Price catalog from manufacturer ACME Inc. with seller code AC1.
***** FIRST LINE ITEM *****	
LIN**VP*PAL1234	The item is identified as vendor part PAL1234.
DTM*024*960308	The last date to purchase is March 8, 1996. (If needed)
DTM*038*960430	The last date for shipping is April 30, 1996. (If needed)
DTM*043*950616	The Material Safety Data Sheet date is June 16, 1995.
CTB****MIN*1000	The minimum order quantity is 1000. (If needed)
CTB****INC*100	The incremental order quantity is 100. (If needed)
CTP*DI*ICL*24.00*12*EA	DISTRIBUTOR CATALOG PRICE IS 24.00 FOR QTY 1-12.
CTP*DI*ICL*22.00*48*EA	DISTRIBUTOR CATALOG PRICE IS 22.00 FOR QTY 13-48.
CTP*DI*ICL*20.00*999999*EA	DISTRIBUTOR CATALOG PRICE IS 20.00 FOR QTY BEYOND 48.
CTP*RS*ICL*40.00*12*EA	RESALE PRICE FOR QTY 1-12.
CTP*RS*ICL*35.00*48*EA	RESALE PRICE FOR QTY 13-48.
***** SECOND LINE ITEM *****	
LIN**VP*PAL1299	The item is identified as vendor part PAL1299.
DTM*024*960408	The last date to purchase is April 8, 1996.
DTM*038*960415	The last date for shipping is April 15, 1996.
CTB****MIN*1000	The minimum order quantity is 1000.
CTB****INC*100	The incremental order quantity is 100.
CTP*DI*ICL*44.00*50*EA	DISTRIBUTOR CATALOG PRC IS \$44.00 FOR QTY 1-50.
CTP*DI*ICL*42.00*100*EA	DISTRIBUTOR CATALOG PRC IS \$42.00 FOR QTY 51-100.
CTP*DI*ICL*40.00*999999*EA	DISTRIBUTOR CATALOG PRC IS \$40.00 FOR QTY > 100.

**ELECTRONICS INDUSTRY DATA EXCHANGE (EIDX)  
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CTP*RS*ICL*40.00*12*EA	RESALE PRICE \$40.00 FOR QTY 1-12.
CTP*RS*ICL*35.00*48*EA	RESALE PRICE \$35.00 FOR QTY 13-48.
CTT*2	There are two line items (LIN) in this transaction.
SE*28*8768	This transaction consists of 28 segments. It is the end of control number 8768.

**ELECTRONICS INDUSTRY DATA EXCHANGE (EIDX)  
PRICE CATALOG RECOMMENDATIONS**

**Section 2 – EIDX Code Lists for Product Attributes**

**ELECTRONICS INDUSTRY DATA EXCHANGE (EIDX)  
PRICE CATALOG RECOMMENDATIONS**

**Group A: Product Physical (Static) Attributes**

The product attributes in the following list should be transmitted in the 841 Specification/Technical Information transaction since their PID05 values do not change often.

Other EIDX product attributes which are related to pricing or marketing strategy should be conveyed in the Price Catalog (832) transaction. These codes are found below in *Section 2: Group B PRODUCT (DYNAMIC) ATTRIBUTES*. See the EIDX Price Catalog Recommendation document for more information about Group B codes.

**PAIR Numbers**

Items with the same Pair Number: EACH PAIR or SET OF ATTRIBUTES MUST USUALLY BE USED TOGETHER USUALLY TO SPECIFY THE UNIT OF MEASUREMENT WITH THE CODE OR NUMBER.

**ELECTRONICS INDUSTRY DATA EXCHANGE (EIDX)  
PRICE CATALOG RECOMMENDATIONS**

**GROUP A BY PRODUCT DESCRIPTION CODE**

	<b>PID04 DE751</b>	<b>PAIR #</b>	<b>DATA ITEM</b>	<b>DATA TYPE</b>	<b>SAMPLE</b>
1	<b>ATM</b>	1	<b>PART 'ACCESS TIME'</b>	NUMBER	1200
2	<b>ATU</b>	1	<b>PART 'ACCESS TIME' UOM</b>	NUMBER	NS
3	<b>BRI</b>		<b>BRIGHTNESS</b>	NUMBER	1400
4	<b>BRU</b>		<b>BRIGHTNESS UOM</b>	CODE	MCD
5	<b>CAP</b>	2	<b>PART CAPACITANCE NUMBER</b>	NUMBER	200
6	<b>CAQ</b>	2	<b>PART CAPACITANCE QUALIFIER</b>	CODE	PF
7	<b>CLS</b>		<b>PRODUCT CLASSIFICATION</b>	FREE FORM	C
8	<b>CNM</b>	3	<b>NUMBER OF CONTACTS</b>	NUMBER	12
9	<b>CRC</b>	4	<b>RIPPLE CURRENT</b>	NUMBER	100
10	<b>CRU</b>	4	<b>RIPPLE CURRENT UOM</b>	CODE	A
11	<b>CTN</b>		<b>CAPACITOR TAN</b>	NUMBER	10
12	<b>CTY</b>	3	<b>CONTACT TYPE</b>	CODE	P
13	<b>CUR</b>	5	<b>CURRENT</b>	NUMBER	100
14	<b>CUU</b>	5	<b>CURRENT UOM</b>	CODE	MA
15	<b>CWU</b>	6	<b>WORKING VOLTAGE UOM</b>	CODE	V
16	<b>CWV</b>	6	<b>WORKING VOLTAGE</b>	NUMBER	25
17	<b>DEV</b>		<b>DEVELOPMENT TOOL FLAG</b>	FLAG	Y
18	<b>DRN</b>	7	<b>DRAIN CURRENT</b>	NUMBER	125
19	<b>DRU</b>	7	<b>DRAIN CURRENT UOM</b>	CODE	A
20	<b>DRV</b>		<b>DRIVE LEVEL</b>	CODE	CMOS
21	<b>DSC</b>		<b>COMPONENT DESCRIPTION</b>	FREE FORM	CMOS,DUAL SLAC
22	<b>ESR</b>	8	<b>EQUIVALENT SERIES RESISTANCE</b>	NUMBER	25
23	<b>ESU</b>	8	<b>EQUIVALENT SERIES RESISTANCE UOM</b>	CODE	OHM
24	<b>FNS</b>		<b>FINISH CODE</b>	CODE	G
25	<b>FQU</b>	9	<b>FREQUENCY</b>	NUMBER	100
26	<b>FQY</b>	9	<b>FREQUENCY UOM</b>	CODE	H
27	<b>FTH</b>	10	<b>FREQUENCY TOLERANCE - HIGH</b>	NUMBER	50
28	<b>FTI</b>	10	<b>FREQUENCY TOLERANCE - HIGH UOM</b>	CODE	PPM
29	<b>FTL</b>	11	<b>FREQUENCY TOLERANCE - LOW</b>	NUMBER	-10
30	<b>FTM</b>	11	<b>FREQUENCY TOLERANCE - LOW UOM</b>	CODE	PPM
31	<b>GRD</b>		<b>PRODUCT GRADE</b>	CODE	M
32	<b>GAI</b>		<b>GAIN RATIO</b>	NUMBER	100

**ELECTRONICS INDUSTRY DATA EXCHANGE (EIDX)  
PRICE CATALOG RECOMMENDATIONS**

	<b>PID04 DE751</b>	<b>PAIR #</b>	<b>DATA ITEM</b>	<b>DATA TYPE</b>	<b>SAMPLE</b>
33	<b>ICU</b>	12	<b>COLLECTOR CURRENT UOM</b>	CODE	MA
34	<b>ICX</b>	12	<b>COLLECTOR CURRENT</b>	NUMBER	500
35	<b>IFF</b>	13	<b>FORWARD CURRENT</b>	NUMBER	
36	<b>IFU</b>	13	<b>FORWARD CURRENT UOM</b>	CODE	
37	<b>JUN</b>	14	<b>JUNCTION CAPACITANCE</b>	NUMBER	20
38	<b>JUU</b>	14	<b>JUNCTION CAPACITANCE UOM</b>	CODE	PF
39	<b>LAP</b>	15	<b>INDUCTANCE</b>	NUMBER	50
40	<b>LAQ</b>	15	<b>INDUCTANCE UOM</b>	CODE	PH
41	<b>LCA</b>	16	<b>LOAD CAPACITANCE</b>	NUMBER	10
42	<b>LCU</b>	16	<b>LOAD CAPACITANCE UOM</b>	CODE	F
43	<b>LEK</b>	17	<b>LEAKAGE CURRENT</b>	NUMBER	1
44	<b>LEU</b>	17	<b>LEAKAGE CURRENT UOM</b>	CODE	A
45	<b>LPK</b>		<b>LED PACKAGE</b>	CODE	T1
46	<b>MEM</b>		<b>MEMORY TYPE</b>	CODE	M
47	<b>OSC</b>		<b>OSCILLATION MODE</b>	CODE	3
48	<b>PKG</b>		<b>PACKAGE TYPE OR CASE (of the component)</b>	FREE FORM	B
49	<b>PLN</b>		<b>PART FAMILY/PRODUCT LINE</b>	FREE FORM	PLD
50	<b>PWR</b>		<b>POWER DISSIPATION</b>	NUMBER	100
51	<b>PWU</b>		<b>POWER DISSIPATION UOM</b>	CODE	M
52	<b>QCD</b>		<b>Q-CODE</b>	NUMBER	200
53	<b>RAP</b>	18	<b>RESISTANCE AT AMBIENT</b>	NUMBER	10
54	<b>RAQ</b>	18	<b>RESISTANCE AT AMBIENT UOM</b>	CODE	O
55	<b>RCU</b>	19	<b>PART 'READ CYCLE' UOM</b>	NUMBER	NS
56	<b>RCY</b>	19	<b>PART 'READ CYCLE'</b>	NUMBER	20
57	<b>RDS</b>	20	<b>RESISTANCE</b>	NUMBER	
58	<b>RDU</b>	20	<b>RESISTANCE UOM</b>	CODE	
59	<b>REF</b>		<b>REFERENCING PART</b>	FREE FORM	PAL9875-12
60	<b>RES</b>		<b>RESONANCE MODE</b>	CODE	S
61	<b>SAT</b>	21	<b>PART 'SERIAL ACCESS TIME'</b>	NUMBER	20
62	<b>SAU</b>	21	<b>PART 'SERIAL ACCESS TIME' UOM</b>	NUMBER	NS
63	<b>SCN</b>		<b>SWITCH CONFIGURATION</b>	CODE	D
64	<b>SFT</b>		<b>SOFTWARE FLAG</b>	FLAG	Y
65	<b>SLF</b>	22	<b>SHELF LIFE</b>	NUMBER	30
66	<b>SLN</b>		<b>SOFTWARE LICENSE FLAG</b>	FLAG	Y
67	<b>SLU</b>	22	<b>SHELF LIFE UOM</b>	NUMBER	D
68	<b>SPD</b>	23	<b>SPEED</b>	NUMBER	15
69	<b>SPH</b>		<b>SPECIAL HANDLING CODE</b>	CODE	D

**ELECTRONICS INDUSTRY DATA EXCHANGE (EIDX)  
PRICE CATALOG RECOMMENDATIONS**

70	<b>SPO</b>		<b>SPECIAL PACKAGING OPTIONS</b>	CODE	H
71	<b>SPU</b>	23	<b>SPEED UOM</b>	NUMBER	NS

**ELECTRONICS INDUSTRY DATA EXCHANGE (EIDX)  
PRICE CATALOG RECOMMENDATIONS**

	<b>PID04 DE751</b>	<b>PAIR #</b>	<b>DATA ITEM</b>	<b>DATA TYPE</b>	<b>SAMPLE</b>
72	<b>SQ1</b>	24	<b>STANDARD PACKAGING QUANTITY - smallest package</b>	NUMBER	12
73	<b>SQ2</b>	25	<b>STANDARD PACKAGING QUANTITY - LEVEL 2</b>	NUMBER	144
74	<b>SQ3</b>	26	<b>STANDARD PACKAGING QUANTITY - LEVEL 3</b>	NUMBER	
75	<b>SRR</b>		<b>SERIES RESISTANCE</b>	NUMBER	50
76	<b>SRU</b>		<b>SERIES RESISTANCE UOM</b>	CODE	O
77	<b>ST1</b>	24	<b>STANDARD PACKAGING TYPE CODE - for SQ1</b>	CODE	T
78	<b>ST2</b>	25	<b>STANDARD PACKAGING TYPE CODE - for SQ2</b>	CODE	Q
79	<b>ST3</b>	26	<b>STANDARD PACKAGING TYPE CODE - for SQ3</b>	CODE	
80	<b>TCE</b>	27	<b>TEMPERATURE CO-EFFICIENT AT AMBIENT</b>	NUMBER	30
81	<b>TCU</b>	27	<b>TEMPURATURE CO-EFFICIENT AT AMBIENT UOM</b>	CODE	
82	<b>TEC</b>		<b>TECHNOLOGY</b>	CODE	B
83	<b>THP</b>		<b>PART TOLERANCE: HIGH PERCENT</b>	NUMBER	10
84	<b>THR</b>		<b>THERMISTOR TYPE</b>	CODE	P
85	<b>TLP</b>		<b>PART TOLERANCE: LOW PERCENT</b>	NEGATIVE NUMBER	-10
86	<b>TMH</b>	28	<b>TEMPERATURE RANGE: HIGH</b>	NUMBER	50
87	<b>TML</b>	28	<b>TEMPERATURE RANGE: LOW</b>	NUMBER	-40
88	<b>TMP</b>		<b>TEMPERATURE CODE</b>	CODE	M
89	<b>TMQ</b>	28	<b>TEMPERATURE RANGE UOM</b>	CODE	C
90	<b>TRE</b>	29	<b>THERMISTOR RESISTANCE</b>	NUMBER	
91	<b>TRF</b>	29	<b>THERMISTOR RESISTANCE UOM</b>	CODE	
92	<b>TRR</b>	30	<b>REVERSE RECOVERY TIME</b>	NUMBER	
93	<b>TRU</b>	30	<b>REVERSE RECOVERY TIME UOM</b>	CODE	
94	<b>VGS</b>	31	<b>VOLTAGE GATE TO SOURCE THRESHOLD</b>	NUMBER	
95	<b>VGU</b>	31	<b>VOLTAGE GATE TO SOURCE THRESHOLD UOM</b>	CODE	
96	<b>VOL</b>		<b>PART VOLTAGE</b>	NUMBER	300
97	<b>VRA</b>		<b>REVERSE VOLTAGE</b>	NUMBER	
98	<b>VRB</b>		<b>REVERSE VOLTAGE UOM</b>	CODE	
99	<b>VRR</b>	32	<b>PEAK REVERSE VOLTAGE</b>	NUMBER	
100	<b>VRU</b>	32	<b>PEAK REVERSE VOLTAGE UOM</b>	CODE	

**ELECTRONICS INDUSTRY DATA EXCHANGE (EIDX)  
PRICE CATALOG RECOMMENDATIONS**

101	<b>VWA</b>		<b>VIEWING ANGLE (in degrees)</b>	NUMBER	
102	<b>VZU</b>	33	<b>ZENER VOLTAGE UOM</b>	CODE	
103	<b>VZZ</b>	33	<b>ZENER VOLTAGE</b>	NUMBER	
104	<b>WCU</b>	34	<b>PART 'WRITE CYCLE' UOM</b>	NUMBER	NS
105	<b>WCY</b>	34	<b>PART 'WRITE CYCLE'</b>	NUMBER	20

**ELECTRONICS INDUSTRY DATA EXCHANGE (EIDX)  
PRICE CATALOG RECOMMENDATIONS**

**GROUP A BY DESCRIPTION (DATA TYPE)**

*Attributes requiring Free-Form Text Descriptions*

	<b>DATA ITEM</b>	<b>PID04 DE751 (1-12)</b>	<b>PID05 DE352 (1-80) Characters</b>
<b><i>Following PID05 values have free form text. Anything can be found in the field.</i></b>			
1	<b>PRODUCT CLASSIFICATION</b>	<b>CLS</b>	FREE FORM
2	<b>COMPONENT DESCRIPTION</b>	<b>DSC</b>	FREE FORM
3	<b>NOTE</b>	<b>NTE</b>	FREE FORM
4	<b>PACKAGE TYPE or CASE (of the component)</b>	<b>PKG</b>	FREE FORM
5	<b>PRODUCT FAMILY/PRODUCT LINE</b>	<b>PLN</b>	FREE FORM
6	<b>REFERENCING PRODUCT</b>	<b>REF</b>	FREE FORM

*Attributes containing Yes/No Flags*

	<b>DATA ITEM</b>	<b>PID04 DE751 (1-12)</b>	<b>PID05 DE352 (1-80) Characters</b>
<b><i>Following PID05 codes have a 'Y' for YES, and 'N' for NO associated with them. You need not send any particular code, unless an exception applies, e.g. if 90% of parts are Price Protected, only send 'N' on the 10% which are not price protected.</i></b>			
83	<b>DEVELOPMENT TOOL FLAG</b>	<b>DEV</b>	Y = yes if developmental tool (otherwise, do not send)
84	<b>SOFTWARE FLAG</b>	<b>SFT</b>	Y = yes if product is software (otherwise do not send)
85	<b>SOFTWARE LICENSE FLAG</b>	<b>SLN</b>	Y = yes license required (otherwise do not send)

**ELECTRONICS INDUSTRY DATA EXCHANGE (EIDX)  
PRICE CATALOG RECOMMENDATIONS**

*Attributes containing Numbers or Units of Measurements*

<b>DATA ITEM</b>	<b>PID04 DE751 (1-12)</b>	<b>PID05 DE352 (1-80) Characters</b>
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**Following PID05 values have numbers or qualifiers to those numbers. (UOM= Unit of Measurement)**

7	<b>'ACCESS' TIME</b>	<b>ATM</b>	NUMBER
8	<b>'ACCESS' TIME UOM</b>	<b>ATU</b>	Unit of measurement for ATM
9	<b>BRIGHTNESS</b> ('BRU' for UOM)	<b>BRI</b>	NUMBER
10	<b>BRIGHTNESS UOM</b>	<b>BRU</b>	Unit of measurement for BRI
11	<b>CAPACITANCE</b> ('CAQ' for UOM)	<b>CAP</b>	NUMBER
12	<b>NUMBER OF CONTACTS</b> ('CTY' for UOM)	<b>CNM</b>	NUMBER
13	<b>RIPPLE CURRENT</b> ('CRU' for UOM)	<b>CRC</b>	NUMBER
14	<b>RIPPLE CURRENT UOM</b>	<b>CRU</b>	Unit of measurement for CRC A = Amp M = Milli Amp N = Nano Amp
15	<b>CAPACITOR TAN</b>	<b>CTN</b>	NUMBER
16	<b>CURRENT</b> ('CUU' for UOM)	<b>CUR</b>	NUMBER
17	<b>CURRENT UOM</b>	<b>CUU</b>	Unit of measurement for CUR A = Amp M = Milli Amp N = Nano Amp
18	<b>WORKING VOLTAGE UOM</b>	<b>CWU</b>	Unit of measurement for CWV
19	<b>WORKING VOLTAGE</b> ('CWU' for UOM)	<b>CWV</b>	NUMBER
20	<b>DRAIN CURRENT</b> ('DRU' for UOM)	<b>DRN</b>	NUMBER
21	<b>DRAIN CURRENT UOM</b>	<b>DRU</b>	Unit of measurement for DRN A = Amp M = Milli Amp N = Nano Amp
22	<b>EQUIVALENT SERIES RESISTANCE</b> ('ESU' UOM)	<b>ESR</b>	NUMBER
23	<b>EQUIVALENT SERIES RESISTANCE UOM</b>	<b>ESU</b>	Unit of measurement for ESR O = Ohm

**ELECTRONICS INDUSTRY DATA EXCHANGE (EIDX)  
PRICE CATALOG RECOMMENDATIONS**

			K= Kilo Ohm M = Mega Ohm	
24	<b>FREQUENCY for UOM)</b>	<b>(‘FQY</b>	<b>FQU</b>	NUMBER
25	<b>FREQUENCY UOM</b>		<b>FQY</b>	Unit of measurement for FQU H = Hertz K = Kilo Hertz M = Mega Hertz G = Giga Hertz
26	<b>FREQUENCY TOLERANCE -HIGH for UOM)</b>	<b>(‘FTI</b>	<b>FTH</b>	NUMBER
27	<b>FREQUENCY TOLERANCE- LOW UOM</b>		<b>FTI</b>	Unit of measurement for FTH
28	<b>FREQUENCY TOLERANCE- LOW for UOM)</b>	<b>(‘FTM</b>	<b>FTL</b>	NUMBER
29	<b>FREQUENCY TOLERANCE - LOW UOM</b>		<b>FTM</b>	Unit of measurement for FTL
30	<b>COLLECTOR CURRENT for UOM)</b>	<b>(‘ICX’</b>	<b>ICU</b>	NUMBER

**ELECTRONICS INDUSTRY DATA EXCHANGE (EIDX)  
PRICE CATALOG RECOMMENDATIONS**

	<b>DATA ITEM</b>	<b>PID04 DE751 (1-12)</b>	<b>PID05 DE352 (1-80) Characters</b>
31	<b>COLLECTOR CURRENT UOM</b>	<b>ICX</b>	Unit of measurement for ICU A = Amp M = Milli Amp N = Nano Amp
32	<b>FORWARD CURRENT for UOM) ('IFU'</b>	<b>IFF</b>	NUMBER
33	<b>FORWARD CURRENT UOM</b>	<b>IFU</b>	Unit of measurement for IFU A = Amp M = Milli Amp N = Nano Amp
34	<b>GAIN RATION</b>	<b>GAI</b>	NUMBER
35	<b>JUNCTION CAPACITANCE for UOM) ('JUU'</b>	<b>JUN</b>	NUMBER
36	<b>JUNCTION CAPACITANCE UOM</b>	<b>JUU</b>	Unit of measurement for JUN A = Amp M = Milli Amp N = Nano Amp
37	<b>INDUCTANCE UOM) ('LAQ' for</b>	<b>LAP</b>	NUMBER
38	<b>INDUCTANCE UOM</b>	<b>LAQ</b>	Unit of measurement for LAP H = Henry N = Nano Henry M = Micro Henry
39	<b>LOAD CAPACITANCE UOM) ('LCU' for</b>	<b>LCA</b>	NUMBER
40	<b>LOAD CAPACITANCE UOM</b>	<b>LCU</b>	Unit of measurement for LCA NF= Micro Farads P = Pico Farads
41	<b>LEAKAGE CURRENT for UOM) ('LEU'</b>	<b>LEK</b>	NUMBER
42	<b>LEAKAGE CURRENT UOM</b>	<b>LEU</b>	Unit of measurement for LEK A = Amp M = Milli Amp N = Nano Amp
43	<b>POWER DISSIPATION</b>	<b>PWR</b>	NUMBER
44	<b>POWER DISSIPATION UOM</b>	<b>PWU</b>	Unit of measurement for PWR W= Watt MW= Milli Watt
45	<b>QCODE</b>	<b>QCD</b>	NUMBER
46	<b>RESISTANCE ('RAQ' for</b>	<b>RAP</b>	NUMBER

**ELECTRONICS INDUSTRY DATA EXCHANGE (EIDX)  
PRICE CATALOG RECOMMENDATIONS**

	<b>UOM)</b>		
47	<b>RESISTANCE UOM</b>	<b>RAQ</b>	Unit of measurement for RAP O = Ohm K= Kilo Ohm M = Mega Ohm
48	<b>'READ CYCLE' UOM</b>	<b>RCU</b>	Unit of measurement for RCY
49	<b>'READ' CYCLE UOM)</b>	<b>RCY</b>	NUMBER
	<b>( 'RCU' for</b>		
50	<b>RESISTANCE UOM)</b>	<b>RDS</b>	NUMBER
	<b>( 'RDU' for</b>		
51	<b>RESISTANCE UOM</b>	<b>RDU</b>	Unit of measurement for RDS O = Ohm K= Kilo Ohm M = Mega Ohm

**ELECTRONICS INDUSTRY DATA EXCHANGE (EIDX)  
PRICE CATALOG RECOMMENDATIONS**

	<b>DATA ITEM</b>	<b>PID04 DE751 (1-12)</b>	<b>PID05 DE352 (1-80) Characters</b>
52	<b>'SERIAL ACCESS TIME' ('SAU' for UOM)</b>	<b>SAT</b>	NUMBER
53	<b>'SERIAL ACCESS TIME' UOM</b>	<b>SAU</b>	Unit of measurement for SAT
54	<b>SHELF LIFE ('SLU' for UOM)</b>	<b>SLF</b>	NUMBER
55	<b>SHELF LIFE UOM</b>	<b>SLU</b>	Unit of measurement for SLF
56	<b>SPEED ('SPU' for UOM)</b>	<b>SPD</b>	NUMBER
57	<b>SPEED UOM</b>	<b>SPU</b>	Unit of measurement for SPD
58	<b>STANDARD PACKAGING QUANTITY - lowest level</b>	<b>SQ1</b>	NUMBER
59	<b>STANDARD PACKAGING QUANTITY - level 2</b>	<b>SQ2</b>	NUMBER
60	<b>STANDARD PACKAGING QUANTITY - level 3</b>	<b>SQ3</b>	NUMBER
61	<b>SERIES RESISTANCE ('SRU' for UOM)</b>	<b>SRR</b>	NUMBER
62	<b>SERIES RESISTANCE UOM</b>	<b>SRU</b>	Unit of measurement for SRR O = Ohm K= Kilo Ohm M = Mega Ohm
63	<b>TEMPERATURE CO-EFFICIENT AT AMBIENT</b>	<b>TCE</b>	NUMBER
64	<b>TEMP. CO-EFFICIENT AT AMBIENT ('THF' for UOM)</b>	<b>TCU</b>	Unit of measurement for TCE
65	<b>TOLERANCE: HIGH PERCENT</b>	<b>THP</b>	NUMBER (e.g. +10% would send 10)
66	<b>TOLERANCE: LOW PERCENT</b>	<b>TLP</b>	NEGATIVE NUMBER (e.g. -10% would send -10)
67	<b>TEMPERATURE HIGH POINT ('TMQ' for UOM)</b>	<b>TMH</b>	NUMBER
68	<b>TEMPERATURE LOW POINT ('TMQ' for UOM)</b>	<b>TML</b>	NUMBER
69	<b>TEMPERATURE UOM</b>	<b>TMQ</b>	Unit of measurement for THM & TML C = Celsius
70	<b>REVERSE RECOVERY TIME ('TRU' for UOM)</b>	<b>TRR</b>	NUMBER
71	<b>REVERSE RECOVERY TIME UOM</b>	<b>TRU</b>	Unit of measurement for TRU

**ELECTRONICS INDUSTRY DATA EXCHANGE (EIDX)  
PRICE CATALOG RECOMMENDATIONS**

67	<b>TEMPERATURE HIGH POINT for UOM)</b>	<b>(‘TMQ’</b>	<b>TMH</b>	NUMBER
68	<b>TEMPERATURE LOW POINT for UOM)</b>	<b>(‘TMQ’</b>	<b>TML</b>	NUMBER
69	<b>TEMPERATURE UOM</b>		<b>TMQ</b>	Unit of measurement for THM & TML C = Celsius
70	<b>REVERSE RECOVERY TIME for UOM)</b>	<b>(‘TRU’</b>	<b>TRR</b>	NUMBER
71	<b>REVERSE RECOVERY TIME UOM</b>		<b>TRU</b>	Unit of measurement for TRU
72	<b>VOLTAGE GATE TO SOURCE THRESHOLD UOM)</b>	<b>(‘VGU’ for</b>	<b>VGS</b>	NUMBER
73	<b>VOLTAGE GATE TO SOURCE THRESHOLD UOM</b>		<b>VGU</b>	Unit of measurement for VGS V= Volt MV=Milli Volt
74	<b>VOLTAGE</b>		<b>VOL</b>	NUMBER
75	<b>REVERSE VOLTAGE UOM)</b>	<b>(‘VRB’ for</b>	<b>VRA</b>	NUMBER
76	<b>REVERSE VOLTAGE UOM</b>		<b>VRB</b>	Unit of measurement for VRA V= Volt MV=Milli Volt
77	<b>PEAK REVERSE VOLTAGE for UOM)</b>	<b>(‘VRU’</b>	<b>VRR</b>	NUMBER

**ELECTRONICS INDUSTRY DATA EXCHANGE (EIDX)  
PRICE CATALOG RECOMMENDATIONS**

	<b>DATA ITEM</b>	<b>PID04 DE751 (1-12)</b>	<b>PID05 DE352 (1-80) Characters</b>
78	<b>PEAK REVERSE VOLTAGE UOM</b>	<b>VRU</b>	Unit of measurement for VRR V= Volt MV=Milli Volt
79	<b>ZENER VOLTAGE UOM</b> ('VZZ' for UOM)	<b>VZU</b>	NUMBER
80	<b>ZENE VOLTAGE UOM</b>	<b>VZZ</b>	Unit of measurement for VZU V= Volt MV=Milli Volt
81	<b>'WRITE CYCLE' UOM</b>	<b>WCU</b>	Unit of measurement for WCY

**ELECTRONICS INDUSTRY DATA EXCHANGE (EIDX)  
PRICE CATALOG RECOMMENDATIONS**

*Attributes containing Code Values*

	DATA ITEM	PID04 DE751 (1-12)	PID05 DE352 (1-80) Characters
82	WRITE CYCLE' (WCU' for UOM)	WCY	NUMBER
<i>The following codes have a set of valid values.</i>			
86	PART CAPACITANCE QUALIFIER CODE	CAQ	PF = Picofarads UF = Microfarads FA = Farads
87	CONTACT TYPE CODE	CTY	G = Gull  J = J-wing L = Leadless M = Surface Mount Leads P = Pins S = Strands W = Low Profile Surface Mount Leads
88	DRIVE LEVEL	DRV	C = CMOS T = TTL
89	FINISH CODE	FNS	GD = Gold TN = Tin SB = Side Braised SD = Solder Dip
90	PRODUCT GRADE CODE	GRD	A = Automotive C = Commercial I = Industrial M = Military S = Space
91	LED PACKAGE	LPK	T = T-1 5 = T-1.5 7 = T-1.75
92	MEMORY TYPE	MEM	D = EEPROM E = EPROM F = FLASH M = MROM O = OTP
93	OSCILLATION MODE	OSC	F = Fundamental 3 = 30T for 3rd Overtone 5 = 50T for 5th Overtone 7 = 70T for 7th Overtone

**ELECTRONICS INDUSTRY DATA EXCHANGE (EIDX)  
PRICE CATALOG RECOMMENDATIONS**

**ELECTRONICS INDUSTRY DATA EXCHANGE (EIDX)  
PRICE CATALOG RECOMMENDATIONS**

	<b>DATA ITEM</b>	<b>PID04 DE751 (1-12)</b>	<b>PID05 DE352 (1-80) Characters</b>
94	<b>RESONANCE MODE</b>	<b>RES</b>	P = Parallel S = Series
95	<b>SWITCH CONFIGURATION</b>	<b>SCN</b>	D = DPDT S = SPST T = SPDT 3 = 3PDT 4 = 4PDT
96	<b>SPECIAL HANDLING CODE</b>	<b>SPH</b>	E = Electro Static Discharge  D = Drypack
97	<b>SPECIAL PACKAGING OPTIONS</b>	<b>SPO</b>	H = Heat Spreader P = Heat Slug with PWP Q = Power Quad 2 T = Thin Body X = Tape Translator
98	<b>STANDARD PACKAGING TYPE CODE - (at smallest unit of measure)</b>	<b>ST1</b>	A = Ammo pack  B = Box D = Die G = Bag J = Jewel Pack Q = Q-Pack R = Tape and Reel S = Sticks and coins T = Tape U = Tube W = (Waffle) Tray
99	<b>STANDARD PKG TYPE CODE - level 2</b>	<b>ST2</b>	(see ST1 code list)
100	<b>STANDARD PKG TYPE CODE - level 3</b>	<b>ST3</b>	(see ST1 code list)
101	<b>TEMPERATURE CODE</b>	<b>TMP</b>	M = Military I = Industrial A = Automotive C = Commercial
102	<b>THERMISTOR TYPE</b>	<b>TRM</b>	N = NTC P = PTC

**ELECTRONICS INDUSTRY DATA EXCHANGE (EIDX)  
PRICE CATALOG RECOMMENDATIONS**

**Group B: Product (Dynamic) Attributes**

These product attributes should be transmitted in the 832 Price Catalog transaction since their PID05 values may change between new price catalogs.

**GROUP B BY PRODUCT DESCRIPTION CODE**

	<b>PID04 DE751</b>	<b>NOTE</b>	<b>DATA ITEM</b>	<b>DATA TYPE</b>	<b>SAMPLE</b>
1	<b>ALT</b>	1	<b>AVERAGE LEAD TIME</b>	NUMBER	7
2	<b>ALU</b>	1	<b>AVERAGE LEAD TIME UNIT OF MEASUREMENT</b>	CODE	Y
3	<b>CDR</b>		<b>(NON-RESALE) COST DIRECTION CODE</b>	CODE	D
4	<b>CLM</b>		<b>CLAIM CODE</b>	CODE	PP
5	<b>DOE</b>		<b>DIRECT ORDER FLAG</b>	FLAG	Y
6	<b>DRS</b>		<b>DROP SHIP FLAG</b>	FLAG	Y
7	<b>EXC</b>		<b>EXPORT CONTROL FLAG</b>	FLAG	N
8	<b>FAC</b>		<b>CONTACT FACTORY FLAG</b>	FLAG	N
9	<b>LIM</b>		<b>LIMITATIONS</b>	CODE	R
10	<b>LRP</b>		<b>LIMITED RETURN PRIVILEGE FLAG</b>	FLAG	Y
11	<b>MON</b>		<b>PRODUCT MONITORED CODE</b>	CODE	C
12	<b>MPP</b>		<b>MARKET PRICE FLAG</b>	FLAG	Y
13	<b>NTE</b>		<b>NOTE</b>	FREE FORM	See Note A
14	<b>ORG</b>		<b>COUNTRY OF ORIGIN CODE (Most Value Added)</b>	CODE	CA
15	<b>PNC</b>	2	<b>PRODUCT NUMBER CORRECTION FLAG</b>	FLAG	Y
16	<b>PPS</b>		<b>PRICE PROTECTION STATUS FLAG</b>	FLAG	Y
17	<b>PRM</b>		<b>PROMOTION PROGRAM</b>	FREE FORM	W
18	<b>PRP</b>		<b>PROPRIETARY FLAG</b>	FLAG	Y
19	<b>PST</b>		<b>PRODUCT STATUS CODE</b>	CODE	N
20	<b>REF</b>	2	<b>REFERENCING PRODUCT</b>	FREE FORM	
21	<b>RDR</b>		<b>RESALE COST DIRECTION CODE</b>	CODE	I
22	<b>RGR</b>		<b>REGISTERABLE CODE</b>	CODE	A
23	<b>ROS</b>		<b>REGION OF SALE</b>	CODE	A
24	<b>SAM</b>		<b>MODEL/SAMPLE AVAILABLE</b>	FLAG	Y
25	<b>WAV</b>		<b>WAIVER CODE</b>	CODE	P

**ELECTRONICS INDUSTRY DATA EXCHANGE (EIDX)  
PRICE CATALOG RECOMMENDATIONS**

**NOTES:**

1. ALT and ALU must be used together.
2. If PNC is sent to indicate a part correction, the 'new' product is in the LIN segment. The 'old' product that needs the correction is in a second PID segment with PID04 set to REF for Referencing Product.

**ELECTRONICS INDUSTRY DATA EXCHANGE (EIDX)  
PRICE CATALOG RECOMMENDATIONS**

**GROUP B BY DESCRIPTION (DATA TYPE)**

*Attributes requiring Free-Form Text Descriptions*

	DATA ITEM	PID04 DE751 (1-12)	PID05 DE352 (1-80) Characters
<b><i>Following PID05 values have free form text. Anything can be found in the field.</i></b>			
1	<b>NOTE</b>	<b>NTE</b>	FREE FORM
2	<b>PROMOTION PROGRAM</b>	<b>PRM</b>	FREE FORM
3	<b>REFERENCING PRODUCT</b>	<b>REF</b>	FREE FORM

*Attributes containing Yes/No Flags*

	DATA ITEM	PID04 DE751 (1-12)	PID05 DE352 (1-80) Characters
<b><i>The following PID05 codes have a 'Y' for YES, and 'N' for NO associated with them. You need not send any particular code, unless an exception applies, e.g. if 90% of parts are Price Protected, only send 'N' on the 10% which are not price protected.</i></b>			
5	<b>DIRECT ORDER FLAG</b>	<b>DOE</b>	Y = yes if direct order only (otherwise, do not send)
6	<b>DROP SHIP FLAG</b>	<b>DRS</b>	Y = yes if only drop ship allowed (otherwise, do not send)
7	<b>EXPORT CONTROL FLAG</b>	<b>EXC</b>	Y = government export control (otherwise, do not send )
8	<b>CONTACT FACTORY FLAG</b>	<b>FAC</b>	Y = no price established, call factory (otherwise, do not send)
9	<b>LIMITED RETURN PRIVILEGE FLAG</b>	<b>LRP</b>	Y = limited return privileges (otherwise do not send)
10	<b>MARKET PRICE FLAG</b>	<b>MPP</b>	Y = this is the market price (otherwise do not send)
11	<b>PART NUMBER CORRECTION FLAG</b>	<b>PNC</b>	Y = this is a part number correction (otherwise do not send)
12	<b>PRICE PROTECTION STATUS FLAG</b>	<b>PPS</b>	Y = product is price protected (otherwise do not send)
13	<b>PROPRIETARY FLAG</b>	<b>PRP</b>	Y = proprietary part (otherwise do not send)
14	<b>MODEL/SAMPLE AVAILABLE</b>	<b>SAM</b>	Y = yes if sample is available (otherwise, do not send)

**ELECTRONICS INDUSTRY DATA EXCHANGE (EIDX)  
PRICE CATALOG RECOMMENDATIONS**

*Attributes containing Numbers or Units of Measurements*

	<b>DATA ITEM</b>	<b>PID04</b> DE751 (1-12)	<b>PID05</b> DE352 (1-80) Characters
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*Following PID05 values have numbers or qualifiers to those numbers. (UOM= Unit of Measurement)*

4	<b>AVERAGE LEAD TIME UOM)</b>	<b>(‘ALU’ for</b>	<b>ALT</b>	<b>NUMBER</b>
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**ELECTRONICS INDUSTRY DATA EXCHANGE (EIDX)  
PRICE CATALOG RECOMMENDATIONS**

*Attributes containing Code Values*

	<b>DATA ITEM</b>	<b>PID04 DE751 (1-12)</b>	<b>PID05 DE352 (1-80) Characters</b>
	<b><i>The following codes have a set of valid values.</i></b>		
15	<b>AVERAGE LEAD TIME UNIT OF MEASUREMENT</b>	<b>ALU</b>	D=Working Days W=Weeks M = Months Y=Years
16	<b>(NON-RESALE) COST DIRECTION CODE</b>	<b>CDR</b>	I = Cost increase D = Cost decrease C = Any cost change
17	<b>CLAIM CODE</b>	<b>CLM</b>	DC = Product is discontinued meaning no longer available for ordering, inventory is not price protected NP = Non Price Protected meaning product is removed from price protection & remained in price catalog as non-price protected. RM = Remove from Price Protection meaning product is removed from price protection & removed from price catalog PI = Price Increase meaning product may have a 'bill-up' to the higher price PP = Price Protection (note: Along with a price decrease, a debit claim may be submitted)
18	<b>LIMITATIONS</b>	<b>LIM</b>	A = Returnable B = Return with offset order plus restock charge C = Restocking Charge F = Contact Factory N = Non-returnable P = Standard Package

**ELECTRONICS INDUSTRY DATA EXCHANGE (EIDX)  
PRICE CATALOG RECOMMENDATIONS**

			R = Non Cancelable; non-Returnable S = Return with offset order T = Time Constraints
19	<b>PRODUCT MONITORED CODE</b>	<b>MON</b>	C = by Dept of Commerce S = by State Department D = by Customs

**ELECTRONICS INDUSTRY DATA EXCHANGE (EIDX)  
PRICE CATALOG RECOMMENDATIONS**

	<b>DATA ITEM</b>	<b>PID04 DE751 (1-12)</b>	<b>PID05 DE352 (1-80) Characters</b>
20	<b>COUNTRY OF ORIGIN CODE (most value added)</b>	<b>ORG</b>	(Use ISO country codes)
21	<b>PART STATUS CODE</b>	<b>PST</b>	A = Allocation I = Order from Inventory; no more manufacturing H = Temporary hold on ordering N = New Part O = Obsolete R = Removed from price book S = Stock Part V = Available on request X = No parts available
22	<b>RESALE COST DIRECTION CODE</b>	<b>RDR</b>	I = Resale cost increase D = Resale cost decrease A = Any resale cost change
23	<b>REGISTERABLE CODE</b>	<b>RGR</b>	E = Lowest difficulty (easy) H = Most Difficult (hard) M = Medium difficulty Y = Registrable
24	<b>REGION OF SALE CODE</b>  (Use ISO two char. country codes for countries) Key samples are listed here:	<b>ROS</b>	A = Asia/Pacific C = Central America E = Europe N = North America S = South America W = World Wide AU = Australia (ISO)  J P = Japan (ISO) MX = Mexico (ISO) NZ = New Zealand (ISO) US = United States (ISO)
25	<b>WAIVER CODE</b>	<b>WAV</b>	O = Order status (no testing) P = Performance not guaranteed S = Stop ship

**ELECTRONICS INDUSTRY DATA EXCHANGE (EIDX)  
PRICE CATALOG RECOMMENDATIONS**

**Product Description Code List Update Procedure/Form**

**X12: PID04/PID05 DATA MAINTENANCE**

**Copy then complete this form. Attach a detailed explanation. Mail to the EIDX Secretariat.**

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**PID04 AND PID05 DATA MAINTENANCE**

PREPARED BY: \_\_\_\_\_ PHONE: \_\_\_\_\_  
\_\_\_\_\_

COMPANY: \_\_\_\_\_ DATE: \_\_\_\_\_  
\_\_\_\_\_

**1. RECOMMENDED PID04 THREE CHARACTER CODES TO BE ADDED:**

PID04 CODE	DESCRIPTION

**2. RECOMMENDED PID05 CODES TO BE ADDED FOR NEW OR EXISTING PID04  
CODES:**

PID04 CODE	PID05 DESCRIPTION (VALID VALUES)	DESCRIPTION

**ELECTRONICS INDUSTRY DATA EXCHANGE (EIDX)  
PRICE CATALOG RECOMMENDATIONS**
