

# ELECTRONICS INDUSTRY DATA EXCHANGE (EIDX)

## Implementation Recommendations for Static Product Data

### Specification/Technical Information (841)

#### 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)  
STATIC PRODUCT DATA RECOMMENDATIONS**

**Purpose**

The purpose of this document is to provide recommendations on the ASC X12 Specification/Technical Information (841) transaction for simple product data to facilitate implementations. EIDX convention guidelines have recommendations on which segments and data element codes to use. This document is a detail supplement 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 this transaction more consistent so every implementation does not have its own set of rules but commonality.

**GUIDELINE SPECIFIC USAGE**

Physical product data is transmitted in the 841 Specification/Technical Information transaction. This recommended version of the 841 transaction is to convey product attributes which are traditionally found in paper price catalogs. Hard copy price catalogs often contain a substantial number of static physical product attributes like product description, speed, temperature range, and packaging. It is recommended that these static attributes be conveyed in the 841 transaction instead of the price catalog which may be updated more frequently.

*This version of the 841 transaction does not convey engineering technical data.*

The 841 transaction is also used to convey other data. DE 755 Report Type Code in Specification Identifier (SPI) segment should be used to identify which specific flavor of the 841 transaction is included. The EDI translator may recognize the code and direct the file to the correct process. Alternate recognition processes may require the sender to place the transaction into a specially designated mailbox or at least specify different codes on the GS segment so the process knows what to expect and route the transactions appropriately.

This is a sample of the types of data to be found in an 841 transactions.

**REPORT TYPE**

<u>(DE755)</u>	<u>Meaning</u>
<b>BM</b>	Bill of Materials
<b>DW</b>	Drawing
<b>EC</b>	Engineering Change Order
<b>ER</b>	Engineering Change Request
<b>MF</b>	Manufacturing Specification
<b>PB</b>	Product Catalog
<b>SP</b>	Specification

**STANDARDS VERSION**

EIDX recommends at least ASC X12 version/release 3020 for this transaction. Higher versions/ releases were considered to accommodate different units of measurement for standard packaging quantities. The use of the value of PID05 with the PID04 = 'SQ1' accommodated the unit of measurement difference for all versions/ releases of ACS X12 841 Specification/Technical Information transaction.

Data segment and element positions referred to in this document are particular to ASC X12 Version 003020 and UN-EDIFACT Version/Release 92.1. Users of this document may need to adapt information when applying these recommendations to other standards versions.

**Abbreviations Used**

ANSI	American National Standards Institute
ASC X12	Accredited Standards Committee X12 (ANSI)
EDI	Electronic Data Interchange

**ELECTRONICS INDUSTRY DATA EXCHANGE (EIDX)  
STATIC PRODUCT DATA RECOMMENDATIONS**

**Section 1 - Recommendations for Usage of Specification/Technical Information  
for Static Product Data (841)**

**ELECTRONICS INDUSTRY DATA EXCHANGE (EIDX)  
STATIC PRODUCT DATA RECOMMENDATIONS**

**Physical Product Descriptions Using the PID Segment**

The 841 transaction can be sent with all products or products with changes only. Customers can update their systems with basic product data as needed, and utilize supplier product data for any of their applications.

Section 2 (below): Group A is the PID04 code list of static product attributes, which are not likely to change often. These product attributes are appropriate for the 841 transaction.

See the EIDX Specification/Technical Information (832) recommendations for more product codes for PID segments. They tend to be marketing oriented for the price catalog.

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**ELECTRONICS INDUSTRY DATA EXCHANGE (EIDX)  
STATIC PRODUCT DATA RECOMMENDATIONS**

<b>All Products or Only Product Changes in a Transaction</b>
--

A supplier has the option to send data for *all products or for selected products* in the 841 Specification/Technical Information transaction.

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

<u>METHOD</u>	<u>DATA ELEMENT</u>	<u>DESCRIPTION</u>	<u>VALUE</u>	<u>MEANING</u>	<u>CONTENT</u>
<b><i>SPI: SPECIFICATION IDENTIFIER</i></b>					
1	SPI07	TRANSACTION SET PURPOSE CODE	00	ORIGINAL	ALL PRODUCTS
2	SPI07	TRANSACTION SET PURPOSE CODE	04	CHANGE	NEW or CHANGED PRODUCTS

Consider the following when determining the transaction content.

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

Whenever the Specification/Technical Information is received with the ‘original’ code (SPI07=‘00’), the *entire new Specification/Technical Information should totally overlay* the previous Specification/Technical Information 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 841 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 transaction with all products for the *initial* 841 Specification/Technical Information transaction to a customer or upon request from the customer.

***METHOD 2: SEND ONLY NEW PRODUCTS, OR PRODUCTS WITH PRODUCT ATTRIBUTE UPDATES (NEW or CHANGED PRODUCTS)***

The SPI07=‘04’ (Change) is to be interpreted as a selective update of products.

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

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

Both methods are independent of the number of product attributes sent with each product. Product attributes may be sent in the 841 transaction. EIDX recommends the 841 transaction for physical or static product attributes. The initial electronic Specification/Technical Information from a given supplier should have all the product attributes for each product.



**ELECTRONICS INDUSTRY DATA EXCHANGE (EIDX)  
STATIC PRODUCT DATA RECOMMENDATIONS**

**Miscellaneous Segments**

**X12: HL – HIERARCHICAL LEVEL**

**X12: LIN – LINE ITEM IDENTIFICATION DETAIL**

**X12: DTM – DATE/TIME REFERENCE**

**X12: REF – REFERENCE**

**X12: TC2 – COMMODITY FOR HARMONIZED SYSTEM TARIFF CLASSIFICATION**

***HL - Hierarchical Level***

A Specification/Technical Information transaction has an HL loop for each product. The HL01 is a counter. The HL01 is increased by one for each LIN in this transactions.

- The HL03 is constant with 'D' for Product Description.

***LIN - Item Identification Detail***

The product identification (part number) is found in the LIN segment.

- Only the 'VP' qualifier (meaning Vendor Part) and the vendor part number are found on the LIN segment. Buyer part numbers are not appropriate for this 841 transaction.

***DTM - Date/Time Reference***

Use the following DTM02 Date/Time Qualifiers:

- 007 - EFFECTIVE DATE OF THE DATA
- 043 - PUBLICATION (for MATERIAL SAFETY DATA SHEET DATE)

***REF - Reference for PART CLASSIFICATION***

Use REF for Part Classification.

- REF02= 'PG' (Product Group)
- 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.

**ELECTRONICS INDUSTRY DATA EXCHANGE (EIDX)  
STATIC PRODUCT DATA RECOMMENDATIONS**

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

**X12: PID04/PID05 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. 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. 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.

The PID segment is formatted like the following:

	<b>PID01</b>	<b>PID02</b>	<b>PID03</b>	<b>PID04</b>	<b>PID05</b>
PID*	S*	08*	EX*	(EIDX CODE)*	(your data)

NOTE: 'PID\*S\*08\*EX' is constant for each PID segment.

Where:

	‘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

4. The PID05 Description contains your actual corporate specific data labeled or qualified by the PID04 Description Code.
5. 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.
6. PID05 product data has one of the following data types:

DATA TYPE	MEANING
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

**ELECTRONICS INDUSTRY DATA EXCHANGE (EIDX)  
STATIC PRODUCT DATA RECOMMENDATIONS**

**7. PRODUCT ATTRIBUTE DEFINITIONS**

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.

***NOTES***

It may not be possible to determine if a note (where PID04 = 'NTE') applies to the static or dynamic product attributes. The NTE segment may be used as necessary.

***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'.

**ELECTRONICS INDUSTRY DATA EXCHANGE (EIDX)  
STATIC PRODUCT DATA RECOMMENDATIONS**

**Paired Product Attributes for Standard Package Type Codes**

**X12: 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>Package Type Code</b>	<b>Meaning</b>
SQ1*4	4 units (ST1 indicates tubes; hence 4 units in a tube)
ST1*U	Tube (a unit of measurement associated with SQ1)
SQ2*144	144 units (ST2 indicates Q-Pack; hence 144 units in a Q-pack)
ST2*Q	Q-pack (a unit of measurement associated with SQ2)

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 Specification/Technical Information may convey '4 units to a tube' and '36 tubes make a Q-Pack'. The latter entity is not sent in the ASC X12 Specification/Technical Information 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.

**ELECTRONICS INDUSTRY DATA EXCHANGE (EIDX)  
STATIC PRODUCT DATA RECOMMENDATIONS**

**Paired Product Attributes for Numbers and Units of Measure**

**X12: PID04/PID05 PRODUCT DESCRIPTION CODE/PRODUCT DESCRIPTION**

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 suitable for 841 transactions since the data does not change often.

<b>MEANING</b>	<b>PID04</b>	<b>PID05 EXAMPLES</b>
Part Access Time Part Access Time Unit of Measurement	ATM ATU	15 NS (for nanoseconds)
Part Capacitance Number Part Capacitance Qualifier Code	CAP CAQ	10 UF (for microfarads)
Number of Contacts Contact Type Code	CNM CTY	132 P (for pins)
Part Read Cycle Part Read Cycle Unit of Measurement	RCY RCU	20 NS (for nanoseconds)
Part Serial Access Time Part Serial Access Time Unit of Measurement	SAT SAU	14 NS (for nanoseconds)
Shelf Life Shelf Life Unit of Measurement	SLF SLU	4 Y (for years)
Speed Speed Unit of Measurement	SPD SPU	15 NS (for nanoseconds)
Standard Packaging Quantity -1 (smallest package) Standard Packaging Quantity -1 Unit of Measurement (associated with SQ1)	SQ1 ST1	12 U (for tube)
Standard Packaging Quantity -2 (level 2 package: next level package after SQ1) Standard Packaging Quantity -2 Unit of Measurement (associated with SQ2)	SQ2 ST2	48 Q (for Q-Packs)
Standard Packaging Quantity -3 (level 3 package: next level package after SQ2) Standard Packaging Quantity -3 Unit of Measurement (associated with SQ3)	SQ3 ST3	
Temperature Range: Low Point Temperature Range: High Point Temperature Range Unit of Measurement	THL THM THQ	-100 100 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

**ELECTRONICS INDUSTRY DATA EXCHANGE (EIDX)  
STATIC PRODUCT DATA RECOMMENDATIONS**

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

**ELECTRONICS INDUSTRY DATA EXCHANGE (EIDX)  
STATIC PRODUCT DATA 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)  
 STATIC PRODUCT DATA 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)  
STATIC PRODUCT DATA 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
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)  
STATIC PRODUCT DATA 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	
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

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**ELECTRONICS INDUSTRY DATA EXCHANGE (EIDX)  
STATIC PRODUCT DATA RECOMMENDATIONS**

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

*Attributes requiring Free-Form Text Descriptions*

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

*Attributes containing Yes/No Flags*

	DATA ITEM	PID04 DE751 (1-12)	PID05 DE352 (1-80) Characters
<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>			
83	DEVELOPMENT TOOL FLAG	DEV	Y = yes if developmental tool (otherwise, do not send)
84	SOFTWARE FLAG	SFT	Y = yes if product is software (otherwise do not send)
85	SOFTWARE LICENSE FLAG	SLN	Y = yes license required (otherwise do not send)

**ELECTRONICS INDUSTRY DATA EXCHANGE (EIDX)  
STATIC PRODUCT DATA RECOMMENDATIONS**

*Attributes containing Numbers or Units of Measurements*

	DATA ITEM	PID04 DE751 (1-12)	PID05 DE352 (1-80) Characters
<i>Following PID05 values have numbers or qualifiers to those numbers. (UOM= Unit of Measurement)</i>			
7	'ACCESS' TIME	ATM	NUMBER
8	'ACCESS' TIME UOM	ATU	Unit of measurement for ATM
9	BRIGHTNESS ('BRU' for UOM)	BRI	NUMBER
10	BRIGHTNESS UOM	BRU	Unit of measurement for BRI
11	CAPACITANCE ('CAQ' for UOM)	CAP	NUMBER
12	NUMBER OF CONTACTS ('CTY' for UOM)	CNM	NUMBER
13	RIPPLE CURRENT ('CRU' for UOM)	CRC	NUMBER
14	RIPPLE CURRENT UOM	CRU	Unit of measurement for CRC A = Amp M = Milli Amp N = Nano Amp
15	CAPACITOR TAN	CTN	NUMBER
16	CURRENT ('CUU' for UOM)	CUR	NUMBER
17	CURRENT UOM	CUU	Unit of measurement for CUR A = Amp M = Milli Amp N = Nano Amp
18	WORKING VOLTAGE UOM	CWU	Unit of measurement for CWV
19	WORKING VOLTAGE ('CWU' for UOM)	CWV	NUMBER
20	DRAIN CURRENT ('DRU' for UOM)	DRN	NUMBER
21	DRAIN CURRENT UOM	DRU	Unit of measurement for DRN A = Amp M = Milli Amp N = Nano Amp
22	EQUIVALENT SERIES RESISTANCE ('ESU' UOM)	ESR	NUMBER
23	EQUIVALENT SERIES RESISTANCE UOM	ESU	Unit of measurement for ESR O = Ohm K= Kilo Ohm M = Mega Ohm
24	FREQUENCY ('FQY for UOM)	FQU	NUMBER
25	FREQUENCY UOM	FQY	Unit of measurement for FQU H = Hertz K = Kilo Hertz M = Mega Hertz G = Giga Hertz
26	FREQUENCY TOLERANCE -HIGH ('FTI for UOM)	FTH	NUMBER
27	FREQUENCY TOLERANCE- LOW UOM	FTI	Unit of measurement for FTH
28	FREQUENCY TOLERANCE- LOW ('FTM for UOM)	FTL	NUMBER
29	FREQUENCY TOLERANCE - LOW UOM	FTM	Unit of measurement for FTL
30	COLLECTOR CURRENT ('ICX' for UOM)	ICU	NUMBER
31	COLLECTOR CURRENT UOM	ICX	Unit of measurement for ICU A = Amp M = Milli Amp N = Nano Amp

**ELECTRONICS INDUSTRY DATA EXCHANGE (EIDX)  
STATIC PRODUCT DATA RECOMMENDATIONS**

	<b>DATA ITEM</b>	<b>PID04 DE751 (1-12)</b>	<b>PID05 DE352 (1-80) Characters</b>
32	<b>FORWARD CURRENT</b> ('IFU' for UOM)	<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</b> ('JUJ' for UOM)	<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</b> ('LAQ' for UOM)	<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</b> ('LCU' for UOM)	<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</b> ('LEU' for UOM)	<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</b> ('RAQ' for UOM)	<b>RAP</b>	NUMBER
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</b> ('RCU' for UOM)	<b>RCY</b>	NUMBER
50	<b>RESISTANCE</b> ('RDU' for UOM)	<b>RDS</b>	NUMBER
51	<b>RESISTANCE UOM</b>	<b>RDU</b>	Unit of measurement for RDS O = Ohm K= Kilo Ohm M = Mega Ohm
52	<b>'SERIAL ACCESS TIME'</b> ('SAU' for UOM)	<b>SAT</b>	NUMBER
53	<b>'SERIAL ACCESS TIME' UOM</b>	<b>SAU</b>	Unit of measurement for SAT
54	<b>SHELF LIFE</b> ('SLU' for UOM)	<b>SLF</b>	NUMBER
55	<b>SHELF LIFE UOM</b>	<b>SLU</b>	Unit of measurement for SLF
56	<b>SPEED</b> ('SPU' for UOM)	<b>SPD</b>	NUMBER
57	<b>SPEED UOM</b>	<b>SPU</b>	Unit of measurement for SPD

**ELECTRONICS INDUSTRY DATA EXCHANGE (EIDX)  
STATIC PRODUCT DATA RECOMMENDATIONS**

	<b>DATA ITEM</b>	<b>PID04 DE751 (1-12)</b>	<b>PID05 DE352 (1-80) Characters</b>
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
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
72	<b>VOLTAGE GATE TO SOURCE THRESHOLD ('VGU' for UOM)</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 ('VRB' for UOM)</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 ('VRU' for UOM)</b>	<b>VRR</b>	NUMBER
78	<b>PEAK REVERSE VOLTAGE UOM</b>	<b>VRU</b>	Unit of measurement for VRR V= Volt MV=Milli Volt
79	<b>ZENER VOLTAGE ('VZZ' for UOM)</b>	<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
82	<b>'WRITE CYCLE' ('WCU' for UOM)</b>	<b>WCY</b>	NUMBER

**ELECTRONICS INDUSTRY DATA EXCHANGE (EIDX)  
STATIC PRODUCT DATA RECOMMENDATIONS**

*Attributes containing Code Values*

	DATA ITEM	PID04 DE751 (1-12)	PID05 DE352 (1-80) Characters
	<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)  
STATIC PRODUCT DATA 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

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**ELECTRONICS INDUSTRY DATA EXCHANGE (EIDX)  
STATIC PRODUCT DATA 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**

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

**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)  
STATIC PRODUCT DATA RECOMMENDATIONS**

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

*Attributes requiring Free-Form Text Descriptions*

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

*Attributes containing Yes/No Flags*

	DATA ITEM	PID04 DE751 (1-12)	PID05 DE352 (1-80) Characters
<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>			
5	DIRECT ORDER FLAG	DOE	Y = yes if direct order only (otherwise, do not send)
6	DROP SHIP FLAG	DRS	Y = yes if only drop ship allowed (otherwise, do not send)
7	EXPORT CONTROL FLAG	EXC	Y = government export control (otherwise, do not send )
8	CONTACT FACTORY FLAG	FAC	Y = no price established, call factory (otherwise, do not send)
9	LIMITED RETURN PRIVILEGE FLAG	LRP	Y = limited return privileges (otherwise do not send)
10	MARKET PRICE FLAG	MPP	Y = this is the market price (otherwise do not send)
11	PART NUMBER CORRECTION FLAG	PNC	Y = this is a part number correction (otherwise do not send)
12	PRICE PROTECTION STATUS FLAG	PPS	Y = product is price protected (otherwise do not send)
13	PROPRIETARY FLAG	PRP	Y = proprietary part (otherwise do not send)
14	MODEL/SAMPLE AVAILABLE	SAM	Y = yes if sample is available (otherwise, do not send)

*Attributes containing Numbers or Units of Measurements*

	DATA ITEM	PID04 DE751 (1-12)	PID05 DE352 (1-80) Characters
<i>Following PID05 values have numbers or qualifiers to those numbers. (UOM= Unit of Measurement)</i>			
4	AVERAGE LEAD TIME ('ALU' for UOM)	ALT	NUMBER

**ELECTRONICS INDUSTRY DATA EXCHANGE (EIDX)  
STATIC PRODUCT DATA RECOMMENDATIONS**

*Attributes containing Code Values*

	<b>DATA ITEM</b>	<b>PID04 DE751 (1-12)</b>	<b>PID05 DE352 (1-80) Characters</b>
	<i>The following codes have a set of valid values.</i>		
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 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)  
STATIC PRODUCT DATA 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>  <b>(Use ISO two char. country codes for countries) Key samples are listed here:</b>	<b>ROS</b>	A = Asia/Pacific C = Central America E = Europe N = North America S = South America W = World Wide AU = Australia (ISO) JP = 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)  
STATIC PRODUCT DATA RECOMMENDATIONS**

<b>Product Description Code List Update Procedure/Form</b>
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**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: \_\_\_\_\_

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**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)  
STATIC PRODUCT DATA RECOMMENDATIONS**

**Section 3 – Transaction Example**

**ELECTRONICS INDUSTRY DATA EXCHANGE (EIDX)  
STATIC PRODUCT DATA RECOMMENDATIONS**

**Specification/Technical Information Example**

There is one example of the use of the Specification/Technical Information transaction set on the following pages. All examples are using ASC X12 version 3020. These examples will be incorporated into the 841 Transaction Guideline in a future update.

**Example A: Initial Specification/Technical Information, Including All Physical Product Attributes**

This transaction has a transaction purpose indicating an original (00). An original transaction implies that *all products* are included in the transaction. Only one line item (product) is illustrated. The LIN loop will repeat for each product in the Specification/Technical Information. This specification/technical information includes physical product part attributes in PID segments.

<b>SAMPLE</b>	<b>MEANING</b>
ST~841~8767	This is 841 transaction with control number 8767.
SPI~02~PB~D96Q1~::~00	The security level is Company Confidential, the product change information number is D96Q1. This is an Original transaction.
DTM~007~960308	The effective date is March 8, 1996 unless noted differently the line item.
N1~MF~ACME INC.~92~AC1	Transaction from manufacturer ACME INC. with seller code AC1.
HL~1~D	This is the first HL loop. (The counter will increase once product.) The loop contains Product Description.
LIN~VP~PAL1234	The item is identified as vendor part PAL1234.
PID~S~08~EX~ALT~7	The lead time is 7 units (use with 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 (Use with ATU).
PID~S~08~EX~ATU~NS	The part access time is in nanoseconds (Use with ATM)
PID~S~08~EX~CAP~10	The part capacitance is 10 (Use with CAQ).
PID~S~08~EX~CAQ~UF	The capacitance is measured in microfarads. (Use with CAP).
PID~S~08~EX~CDR~D	The cost direction (not resale cost) is a cost decrease.
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,CODEC,DUAL SLAC	The part description is 'CMOS,CODEC,DUAL SLAC'.
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~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.
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.

**ELECTRONICS INDUSTRY DATA EXCHANGE (EIDX)  
STATIC PRODUCT DATA RECOMMENDATIONS**

PID~S~08~EX~RCY~10	The product's read cycle is 20 units (Use with RCU).
PID~S~08~EX~RCU~NS	This part's read cycle is in nano seconds (Use with RCY).
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 (Use with SAU).
PID~S~08~EX~SAU~NS	The component serial access time is measured in nanoseconds (Use with SAT).
PID~S~08~EX~SLF~4	The shelf life is 4 units (Use with SLU).
PID~S~08~EX~SLU~Y	The shelf life unit is years (Use with SLF).
PID~S~08~EX~SPD~15	The component speed is 15 units (Use with SPU).
PID~S~08~EX~SPU~NS	The component speed unit is in nanoseconds (Use with 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 (Use with 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 (Use with ST2).
PID~S~08~EX~ST2~Q	The packaging type for SQ2 in Q-Packs (Use with 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.
REF~ZZ~~DATES BELOW	
DTM~043~950616	The Material Safety Data Sheet date is June 16, 1995.
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.