



IBM Global Labeling Guide

Volume 2 – Product Package Labels

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1. Introduction

This is volume 2 of a series of volumes which document what labels, packing lists and delivery notes should look like to conform to the needs of IBM, its business partners, and its customers. A list of all of the volumes in the Global Labeling series appears in volume 1 “Overview and General Rules” (IBM part number 31L5038).

The purpose of this volume is to document the rules by which product package labels must conform.

Before reading this volume you should first read volume 1. It contains details on bar code printing and background information that pertains to all of the volumes in the Global Labeling series.

2. Definition and Scope

The *Product Package Label* is a label which is affixed to the product package for a finished good, or components or parts consumed in (IBM) manufacturing processes. Its purpose is to allow the customer easy identification of the product and its configuration. It is important to understand that this label will contain exclusively product related information and no shipping and/or transportation related information. Such information is reserved for the shipping label and delivery notes which are described in volumes 3 and 4.

This volume does not address FRU (Field Replaceable Units) package labels. Those are covered in volume 6.

3. Requirements

3.1 Ground Rules for Product Package Labels

1. Every item manufactured by or for IBM must have a product package label. This includes machines, components, options, FRUs, features, MES's, RPQs (request for price quote) etc.
2. The label layout shall be as specified in section 3.2 and the examples shown in the appendices.
3. A product package label must contain at minimum the data elements that are specified as ‘Required’ in section 3.3
4. It is vital that the product identification (e.g. part number or machine type model) matches what the customer or business partner specified to order the product. For example, if the product was ordered via "machine type-model and a list of feature codes", then that information must appear on the product package label. This permits the customer or business partner to easily reconcile their order.
5. The product package label must properly identify the country of origin. Country of Origin requirements are documented in volume 1 of the Global Labeling Guide.
6. The product identification (e.g. part number or machine type model) must match the content of the package. Bar codes must be printed on the product package labels as specified in sections 3.3 and 3.4. Read volume 1 of the Global Labeling Guidelines (P/N 31L5038) regarding the requirements for proper bar code printing.
7. For security reasons it may be necessary to hide product information during transportation with an overpack (or buff wrapping), so that only the shipping label is accessible. For details see IBM C-B 0-3700-000 Plain Package Initiative.
8. Product descriptive information (e.g. memory size or processor speed) may be printed on the product package labels unless prohibited for security reasons (see previous bullet).

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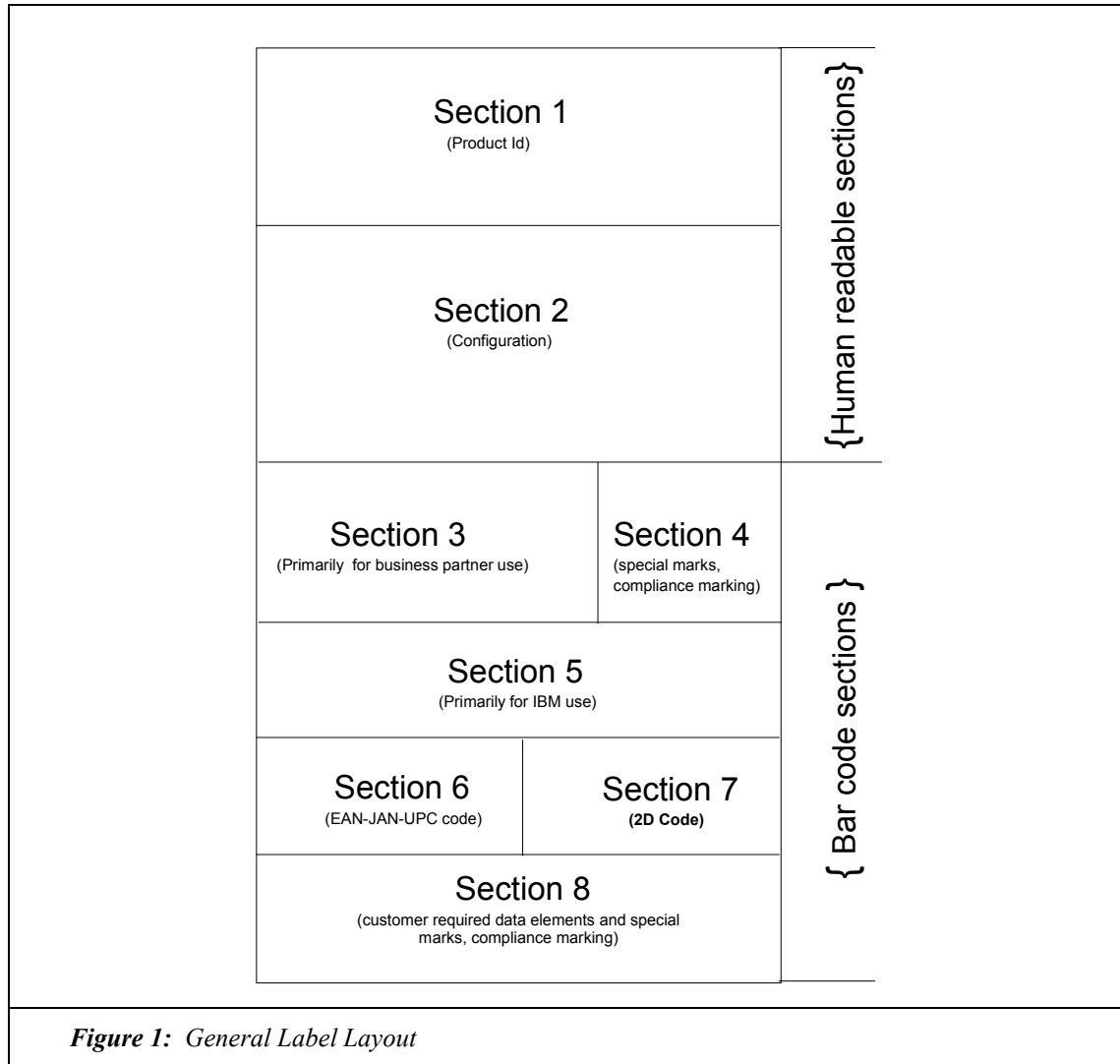


9. MES (Miscellaneous Equipment Specification) product package labels must specify the machine type(s) that the MES may be applied against.
10. MES product package labels must identify the feature code(s) for which the MES was ordered and the related FFBM (field feature bill of material) part number(s).
11. MES product package labels may specify the serial number of the principal component in the MES.
12. Packaging of finished goods, options, MESs, features and parts for :
 - any quantity of lithium cells or batteries per package **or** packed with equipment;
 - or
 - any equipment that is installed with more than 4 lithium cells **or** 2 lithium batteries per package;must be marked with a 'Lithium Batteries Handling Label'. Refer to Global Labeling Guide volume 8 (section 7) and IBM Engineering Spec 92F6933 (section 6.3.2) for details and examples of the labels.
13. If empty boxes are ever sent to a customer to “fill out” a pallet or shipping container, each such box shall have a label affixed that says “EMPTY BOX” in large bold letters. No other labels should be affixed to such a box.
14. Do not leave old labels on containers that are reused.
15. Do not hand write information.
16. The recommended label format is portrait 5 inches by 6 inches (127 mm by 152 mm). Other formats (e.g. square or landscape) may be used if required by the package size. Do not use labels smaller than 1 inch by 3 inches (25 mm by 75 mm) for product package label applications.
17. The 8 bar IBM logo may be printed in the top section of the product package label. Accommodate the size of the logo to the space that is available, but not smaller than 0.4 inch (10 mm) in height.
18. A third party logo only can appear on an IBM product package under the following circumstances:
 - a) The product is "co-branded" - meaning that it has corporate branding approval to use the IBM and third party logos together.
 - b) the product is a third party option and is not an option that has been manufactured for IBM and which is then marketed with an IBM part number.
19. Comply with the country specific requirements outlined in volume 1 (P/N 31L5038) of the Global Labeling Guidelines.

3.2 General Label Layout

A product package label consists of a maximum of eight sections numbered 1 to 8 from top to bottom. The picture below shows the intended use for each section. A detailed description of the data elements of each section is shown in section 3.4 of this document.

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Note :

- 1) This figure shows the general layout and does not represent required dimensions of the sections or the entire label.
- 2) Certain sections may be omitted if not applicable (e.g. sections 6, 7 and 8)
- 3) Examples are shown in the appendices.

3.3 Data Elements on Product Package Labels

The following data elements must appear on a product package label. They are **required** unless indicated differently.

If a data identifier is listed in column 4, a bar code is required unless otherwise indicated in the ‘Comments’ column.

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The 'Format' of column 3 pertains to the format of the data element: a data element may be numeric only (= N), alphabetic only (= A) or alpha-numeric (= AN). The numeric value that follows indicates the length of the data element, i.e. the number of characters. It may be a variable element within a certain range (x...y), up to a maximum length (...y) or fixed length (y).

The column indicating 'DI' pertains to the data identifier that shall be used if a data element is bar coded. All DIs must be compliant to IBM Corporate Standard C-S 1-1121-015. See also Global Labeling Guide Vol.1 (P/N 31L5038) for bar code printing rules.

Section per Figure 1	Data Element	Format*	DI*	Requirements and Detailed Explanation
1	Product Identification and Serial Number	AN		<p>REQUIRED.</p> <p>In large bold letters at the top of the label should appear:</p> <ol style="list-style-type: none"> Marketing product name (e.g. ThinkPad R31) Machine type-model, Part number, and/or Feature Code of the product Serial number of the product, if the product is serialized <p>Permissible, but not required : additional information such as processor speed, memory etc</p>
1	Box x of y	N 1...3 / N 1...3		<p>REQUIRED if the product or the order item consists of multiple boxes. The box number and total number of boxes should be specified by either 'Box X of Y' or 'Box X / Y'</p> <p>Note: do not print leading zeros !</p>
2	Configuration	AN		<p>REQUIRED IF the product is built or configured to order. Shall contain the configuration / features in sales nomenclature, as ordered by the customer, including quantity and description.</p> <p>Note 1: this section is required only for configured hardware, i.e. the product is built or configured to order. Otherwise, this section should be omitted.</p> <p>Note 2: if the number of configuration/features exceeds the dedicated space of the configuration section, a separate packing list shall be provided in an envelope affixed to the box adjacent to the product package label which lists the entire configuration. If such a list is provided, then section 2 should contain only a reference to the envelope. Refer to Vol.7 of the Global Labeling Guidelines for layout and contents of a packing list.</p>
3	Bar Codes for: Machine Type - Model	AN 7	31P	<p>REQUIRED IF the product is assigned an IBM machine type-model.</p>

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Section per Figure 1	Data Element	Format*	DI*	Requirements and Detailed Explanation
	Top Bill Part Number	AN 7	30P	REQUIRED IF the product has an IBM top bill part number assigned and can be ordered as such. Note: this is also known as 'Product ID' or 'SEO' part number
	Feature Code	AN 4	19P	REQUIRED IF the product has assigned a feature code and is ordered as such. Note 1: This does not relate to the feature codes of the configuration section. Note 2: If the feature code is not known at product packaging time (because the product is ordered later as part of a "pick and pack operation"), then the feature code must be affixed as a separate label during the pick and pack operation. The feature code is important, because it is the identifier by which the customer orders the product. Having it on the product package permits the customer to reconcile the order.
	FFBM Part Number	AN 7	1P	REQUIRED IF the product is an MES. The FFBM (field feature bill of material) is associated with one or more manufacturing part numbers.
	Part Number	AN 7	1P or P	REQUIRED IF the product is a component part or option, known and ordered solely under its part number. Note: parts for consumption in (IBM) manufacturing lines must be prefixed by data identifier 'P'.
	Program Number	AN 7	1P	REQUIRED IF the product is a software program
3	Serial Number	AN 7	S	REQUIRED IF the product is serialized.
3	Quantity	N 1..8	Q	REQUIRED IF the package contains more than one of the item. If specified, the bar code is also required.
4 (or8)	Compliance Indicator(s)/Special Marks	Image		REQUIRED according to different national legislations. Which indicator(s) are needed depends on the countries to which the product is sold. See C-S 1-1121-017. At least the destination country's (or Geo's) compliance indicator shall be printed. It is permissible if space allows to also print indicators of other countries in addition. See appendix F for graphics of different indicators. Note 1: do not print agency/compliance marks if the product has not been certified in accordance to their rules. Note 2: the EU crossed-out wheeled bin container with supplemental wording and the Taiwan battery mark (see figures 21 and 20 in appendix F) must be printed on the product package label, the package directly or applied as a separate label. i) required for all system product package labels. ii) required on MES, options, features and parts that are a battery or that contain a battery. It optionally can be applied to labels of items that do not contain batteries.

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Section per Figure 1	Data Element	Format*	DI*	Requirements and Detailed Explanation
				Note that the EU crossed-out wheeled bin's size must be 1cm x 1cm at a minimum excluding the supplemental wording. Refer to Engineering Specification P/N 46G3772 for legal requirements and Global Labeling Guide vol.8 - P/N 36P3127 for additional information and references on drawings and artwork.
4	IBM Credit LLC Marking	A		REQUIRED IF the package contains used equipment, refurbished by GARS (Global Asset Recovery Services) and sold in the US by the IBM Global Finance organization. Note: This marking can alternatively be applied using a separate label. Refer to the Global Labeling Guide Vol.8 (P/N 36P3127)
5	Tracking Identification Number (TIN) for Machine type-Models for serialized parts	AN 16..22 AN 14 AN 16..22	 1S 11S	REQUIRED IF the product is serialized. The tracking identification number is primarily used by IBM. Defines a machine type-model and serial number together. Defines a part number and serial number together.
5	Lot Number	AN 6..12	1T	REQUIRED IF the product is non serialized like items. Note: not required for FRUs, options and features.
5	(IBM) Sales Order Number or (IBM) MES Order Number (if an MES)	AN 6..12	1K	REQUIRED IF the product is built or configured to order. If specified, the bar code is also required. This is supposed to be the fulfillment order number which has been created by the fulfillment system upon order entry. Note: for MES, the order number is a requirement.
5	Production order	AN 13	9K	OPTIONAL. This may be the manufacturing (SAP-P) order number.
5	Universal Unique Identifier UUID	AN 32	30S	REQUIRED IF the product has a Microsoft preload.
5	Country of Origin in human readable text format			REQUIRED. The Country of Origin statement must be printed on the label as per section 7.0 "Country of Origin Requirements" of the Global Labeling Guide volume 1 (IBM part number 31L5038). If a package contains merchandise from different countries of origin, then the full English names of all the countries of origin of the merchandise must be specified on the outer product package label. The country of origin of the article that represents the essential character of a package must be listed first. Example: "Contains merchandise from:

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Section per Figure 1	Data Element	Format*	DI*	Requirements and Detailed Explanation
				Canada, Mexico".
5	Country of Origin bar code	A 2	4L	REQUIRED IF the product package contains articles from only a single country of origin. The bar code would contain "4L" plus the two character ISO 3166 Country Code. This indicates the country in which the product obtained its present identity as a part, subassembly, or finished product.
5	System Type	AN 4		REQUIRED FOR server products of IBM's Systems Group.
5	System Number	AN 7		REQUIRED FOR server products of IBM's Systems Group. Referenced by certain hardware specific software.
5	Date	yyyy-mm-dd or yyyy-ww	12D or 11D	REQUIRED. Date packaged. The bar code is optional. Default should be 12D, 11D if required by the business.
5	Engineering Change (EC) Level	AN 6..8	2P	OPTIONAL , but strongly recommended with components and parts. The EC level is optional, but strongly recommended. The bar code is optional.
6	GTIN (=UPC, EAN, or JAN) bar code	N11..12		REQUIRED IF the product has been assigned a GTIN, i.e. a UPC, EAN or JAN code. This is generally done for standard (catalogue) products, not for customer configured orders. The GTIN shall be bar coded per the GS1 General Specification. Note: the symbol shall be suppressed from printing if no value for the GTIN is assigned. All zeros is no valid value and must not be encoded in the UPC, EAN or JAN code symbol.
7	2D Symbol			OPTIONAL , but strongly recommended. If printed, the specification in C-S 1-1121-015 must be used for the data structure encoded in the 2D symbol. Should at least contain all bar coded data elements.
8	Asset Tag	AN		REQUIRED IF requested by the customer to manage their assets upon receipt.
8	Computer name	AN		REQUIRED IF requested by the customer to manage their assets upon receipt.
8	MAC Address 1	N 12		REQUIRED FOR systems that do have a network device. Specifies the first device according to the priority: planar device, installed option devices.
8	MAC Address 2	N12		REQUIRED FOR systems that do have a second network device. For instance specifies the wireless device as the

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Section per Figure 1	Data Element	Format*	DI*	Requirements and Detailed Explanation
				second device in the system.
8	Mac Address ..n	N12		REQUIRED FOR systems that do have a third or more network device(s).
8	IP Address	AN15		REQUIRED FOR systems with an IP address personalization.
8	Customer Tracking Number	AN 1..25		REQUIRED FOR systems when present in the order feed (entered by the customer via the web application). Can be any text value.
8	Compliance Indicator(s)/Special Marks	Image		REQUIRED as applicable. Note: Section 8 of figure 1 is an alternative location for these symbols. See explanations and definitions further up in this table where elements of label section 4 are defined.

Table 1: Data elements on product package labels and their format

* = see Appendix A. of Global Labeling Guide Volume 1 (IBM part number 31L5038).

3.4 Special Considerations for Options – Essential Content Identification

Some Options may consist of several different items, which may or may not be serialized. For import/export compliance reasons the following requirements apply to Options:

The part number(s) of the ‘essential character’ component(s) and their quantities contained in the package must be identified.

- the ‘essential character’ component is the item(s) that defines the primary function of the option. Examples include a mouse, hard drive or keyboard.
- miscellaneous items like non essential hardware (e.g. brackets, screws, installation tools), documentation (i.e. media in any format, reference cards, flyers etc.) and packaging materials do not need to be identified.

To meet the above requirement, use one of the following methods:

1. Components that are serialized may be shown with their serial number, i.e. the ‘11S’ data element on the option package label. IBM requires the use of this method for specific options that IBM identifies for traceability. Human readable text and bar code are required when using this method (see figures 11 and 12).
2. For components that are not serialized, the part number(s) and quantity of the ‘essential character’ component(s) may be shown on the option package label (see figure 10).
3. Add/insert a flyer inside the option package, which shows the relationship between the option part number and the ‘essential character’ component(s) part number(s) and quantity (see figure 9).
4. Show the option part number on the part label of the ‘essential character’ component(s). The option part number must be preceded by the title ‘OPT:’ or ‘Option:’ unless the option part number is the only part number on the label (see figure 9).

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3.5 Special Considerations on Compliance Marks

Compliance marks are required by an increasing number of countries or geographic regions. These markings serve as an indication for customs as well as customers that the product meets all applicable regulatory requirements, e.g. on safety or EMC (Electromagnetic Compatibility).

In some cases the marking must be replicated on the packaging. Since preprinting on the packing container may not be cost efficient, dynamic printing on the product package label may be the best solution.

If space is constraint or if preferred for other reasons, the compliance mark may also be printed on a separate label and applied in close proximity to the product package label(s).

3.5.1 Korea

Korea requires a “KC” mark and a certification number to be shown on the outside of the packaging for products that have been certified. The required elements are:

- Artwork of the Certification Mark (see figure 23 in Appendix F)
- KC Product Identification Code (= Certification number)
- The applicant’s name
- The manufacturer’s name (if different than the applicant)
- Date of manufacturing (year and month)
- Country of Origin

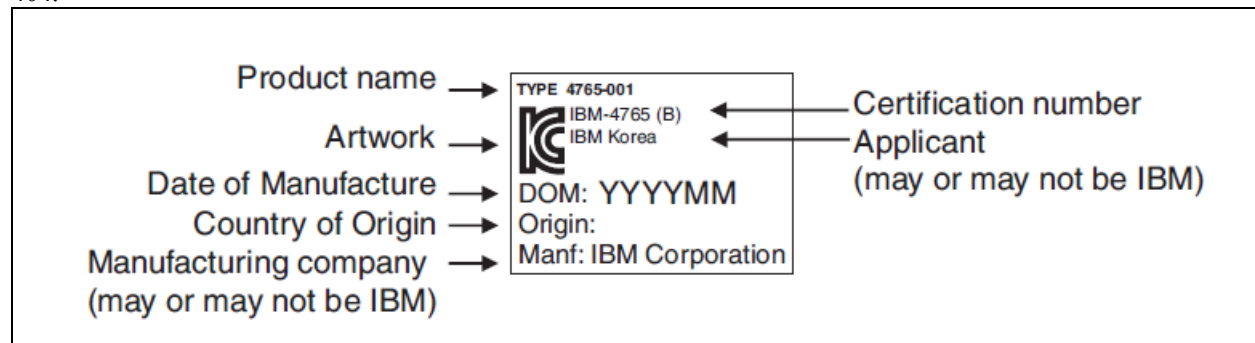
Some of these elements should already be on the product package label, including ‘Country of Origin’ and ‘Date of Manufacturing’. If so, they do not need to be duplicated with the KC marking.

There are different formats of the KC marking for legacy products (see figure 2) and new products (see figure 3).

In addition to above requirements, please note the following **ground rules** that apply to KC marking:

- KC related markings on the package label must match those of the agency label (attached to the product directly)
- for integrated products - e.g. racks that are populated with other KC certified products - all KC certification numbers of the products installed must be shown on the external packaging.

Further information and details of the certification requirements are documented in National Bulletin N-B 2-0001-404.



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Figure 2: Example of KC marking for products certified prior to 24 January 2011

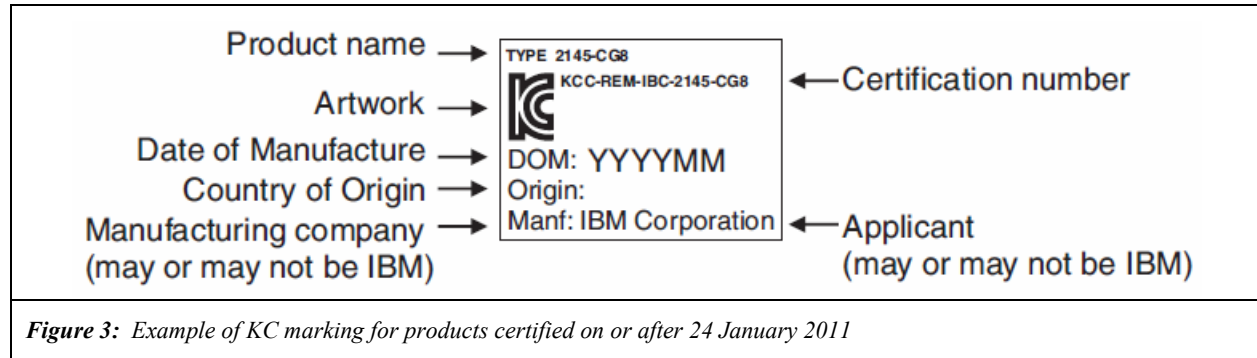


Figure 3: Example of KC marking for products certified on or after 24 January 2011

3.6 Special Country Requirements

3.6.1 Indonesia

Any product, part, or FRU which is a Printer, Monitor or Laptop/Notebook/Notepad with the HS Code noted in the table below, that are imported into Indonesia must have a label in Bahasa Indonesia language affixed to both the physical product and the immediate package. The label content requirement for each HS code is shown in the table below.

Product Type	HS Code(s)	Information Element on the Label	Immediate Package Label	Article/Physical Goods Label (for reference)
Monitor	8528.41.10.00	(1) Brand Name	X	X
	8528.41.20.00	(2) Importer Name & Address	X	Not required
	8528.49.10.00	(3) Voltage (Volt) and Frequency (Hz): 100-240v / 50/60Hz	X	X
	8528.51.10.00 8528.51.20.00 8528.51.30.00	(4) Country of Origin	X	X
Printer	8443.32.10.10	(1) Brand Name	X	X
	8443.32.20.10	(2) Importer Name & Address	X	Not required
		(3) Printer Type/Model	X	Not required
		(4) Voltage (Volt) and Frequency (Hz): 100-240v / 50/60Hz	X	X
		(5) Country of Origin	X	X
Laptop, Notebook, Notepad	8471.30.10.00	(1) Brand Name	X	X
	8471.30.20.00	(2) Importer Name & Address	X	Not required
		(3) Voltage (Volt) and Frequency (Hz): 100-240v / 50/60Hz	X	X

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Article/Physical Goods Label (for reference)

Product Type	Label in Bahasa Indonesia	Label in English (for reference only)
Monitor	<div style="border: 1px solid black; padding: 5px;"> Monitor Komputer Tegangan : 100-240 V Frekuensi : 47 – 63 Hz Dibuat di : Cina </div>	<div style="border: 1px solid black; padding: 5px;"> Monitor Computer Voltage : 100-240 V Frequency : 47 – 63 Hz Made in : China </div>
Printer	<div style="border: 1px solid black; padding: 5px;"> Mesin Pencetak (Printer) Tegangan : 100-240 V Frekuensi : 47 – 63 Hz Dibuat di : Cina </div>	<div style="border: 1px solid black; padding: 5px;"> Printer Voltage : 100-240 V Frequency : 47 – 63 Hz Made in : China </div>
Laptop, Notebook, Notepad	<div style="border: 1px solid black; padding: 5px;"> Komputer Laptop Tegangan : 100-240 V Frekuensi : 47 – 63 Hz Dibuat di : Cina </div>	<div style="border: 1px solid black; padding: 5px;"> Computer Laptop Voltage : 100-240 V Frequency : 47 – 63 Hz Made in : China </div>

Table 4: Examples of Article Labels by Product Type (English version for reference only)

3.7 Capacity Marking Requirements for Batteries

The following requirements apply to portable rechargeable batteries.

If an Option, MES or FFBM is a rechargeable battery (not including batteries installed in equipment), the capacity rating in Ah (Ampere hours) or mAh (milli Ampere hours) must be shown on the label of the package according to the EU Battery Directive 2006/66/EC and corresponding Commission Regulation No 1103/2010. The minimum size of the capacity marking text on the package must be 5 x 12 mm (height x length)

Equipment that contains small rechargeable cells or batteries that are too small to have a capacity marking on the cell or battery, must have a capacity marking on the equipment package as described above.

Example: 1.2 Ah or 1200 mAh

These requirements do not apply to

- rechargeable battery packs that are marked with a capacity rating on their battery case
- Uninterruptible Power Supplies (UPSs) or Integrated Battery Backup Features (IBFs)

Please refer to IBM Engineering Specification 46G3772 for information on capacity marking of the batteries themselves.

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3.8 Considerations on 2D Codes

With this release of volume 2 of the Global Labeling Guide, 2D symbols on product package labels are not required, but it is **strongly recommended** to print them. Only an appropriate coverage with 2D allows migration and use of 2D scanners. This recommendation will be changed into a requirement in one of the next revisions of the guide.

If printed, the 2D symbology of choice shall be the Data Matrix ECC 200 code. ECC 200 represents an industry standard error correction level. The symbol and its data encoding must comply to the requirements of IBM Corporate Standard C-S 1-1121-015.

The 2D symbol's content shall include all those data elements that are required and for which a data identifier is specified per table 1 of this document.

The table below shows the capacity of a Data Matrix ECC200 symbol depending on the selected X-dimension and the symbol size

Symbol Size (with Quiet Zone)	"X" Dimension		
	0.150 mm (0.006 inch)	0.200 mm (0.008 inch)	0.51 mm (0.020 inch)
10 mm x 10 mm	418	214	127
15 mm x 15 mm	1042	550	304
20 mm x 20 mm	1573	1042	550
25 mm x 25 mm	2335	1573	1042

Table 5: Sizes of Data Matrix symbols and their (alpha-numeric) capacity depending on selected X-dimensions

3.9 Label Placement

Place the product package label in the upper right-hand corner of the side that is most likely to be facing out when the package is placed on a pallet. This will generally be the narrow side. Leave sufficient room from the corner so the label will not be covered up by shipping container packaging material such as "corner posts". If the package is large, i.e. it would be palletized even if shipped as a single package), then do one of the following:

1. Apply a second identical label to an adjacent side. It should also be applied near the right-hand corner
or
2. Use a "double label" which wraps around the corner of a box with identical information printed on both sides to accommodate the "2 adjacent sides" requirement. This has the advantage of guaranteeing that the information on the adjacent sides matches. There is also just a single application process.

Note: A double label should NOT be used if the product is palletized and corner posts are applied. Apply a second identical label to an adjacent side. It should also be applied near the right-hand corner

PN 31L5039	EC F84029E 26 Sep 2001	EC J85278 15 Mar 2005	EC L80800 23 May 2008	EC L80800D 23 Apr 2010	EC L80800G 29 Apr 2011	EC L80800I 22 Jun 2011	EC L80800K 30 Mar 2012
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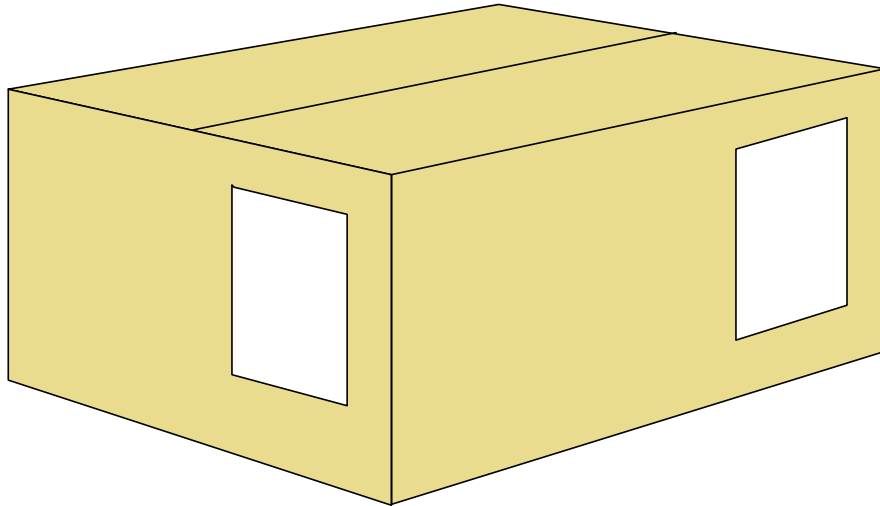


Figure 4: Placement of Product Package Labels. Note: pallet is not shown

PN 31L5039	EC F84029E 26 Sep 2001	EC J85278 15 Mar 2005	EC L80800 23 May 2008	EC L80800D 23 Apr 2010	EC L80800G 29 Apr 2011	EC L80800I 22 Jun 2011	EC L80800K 30 Mar 2012
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Appendix A: Label Examples of Serialized Machines

This section shows examples of product package labels for a variety of different product categories which are all configured hardware and which are compliant to the layout shown in section 3.3 and the data elements in section 3.4.

A.1 Single Serialized Machine

x Series 335 Blade Server

IBM Machine Type-Model: **8676-61X**
IBM Serial Number: **55A0AA0**

F/C	Qty	Description	Box 1 of 1
0028	1	DVD Combo R/W 48x16x6	
2001	2	Memory Module 1Gb	
4769	1	IR Interface Card	

Bar Code content:

(31P) IBM M/T Model: 867661X 	31P867661X
(S) IBM Serial Number: 55A0AA0 	S55A0AA0
(1S) IBM M/T Mod. S/N: 867661X55A0AA0 	1S867661X55A0AA0
(1K) IBM Sales Order #: 0306180013 	1K0306180013
(30S) UUID: FB1D4FA0-7DEC-AAD0-A765-02A0C91F6E03 	30SFB1D4FA0-7DEC-AAD0-A765-02A0C91F6E03
(4L) Origin: UK Made in UK Date: 2004-09-29	4LUK

IBM-8676-xxx (A)
IBM Korea

ME01

NYCE

Batteries
Europe Only

glgv2r55 figure 5

Figure 5: Single System X machine with (small) configuration

PN 31L5039	EC F84029E 26 Sep 2001	EC J85278 15 Mar 2005	EC L80800 23 May 2008	EC L80800D 23 Apr 2010	EC L80800G 29 Apr 2011	EC L80800I 22 Jun 2011	EC L80800K 30 Mar 2012
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A.2 Serialized Machine with Integrated Products (Server Rack)

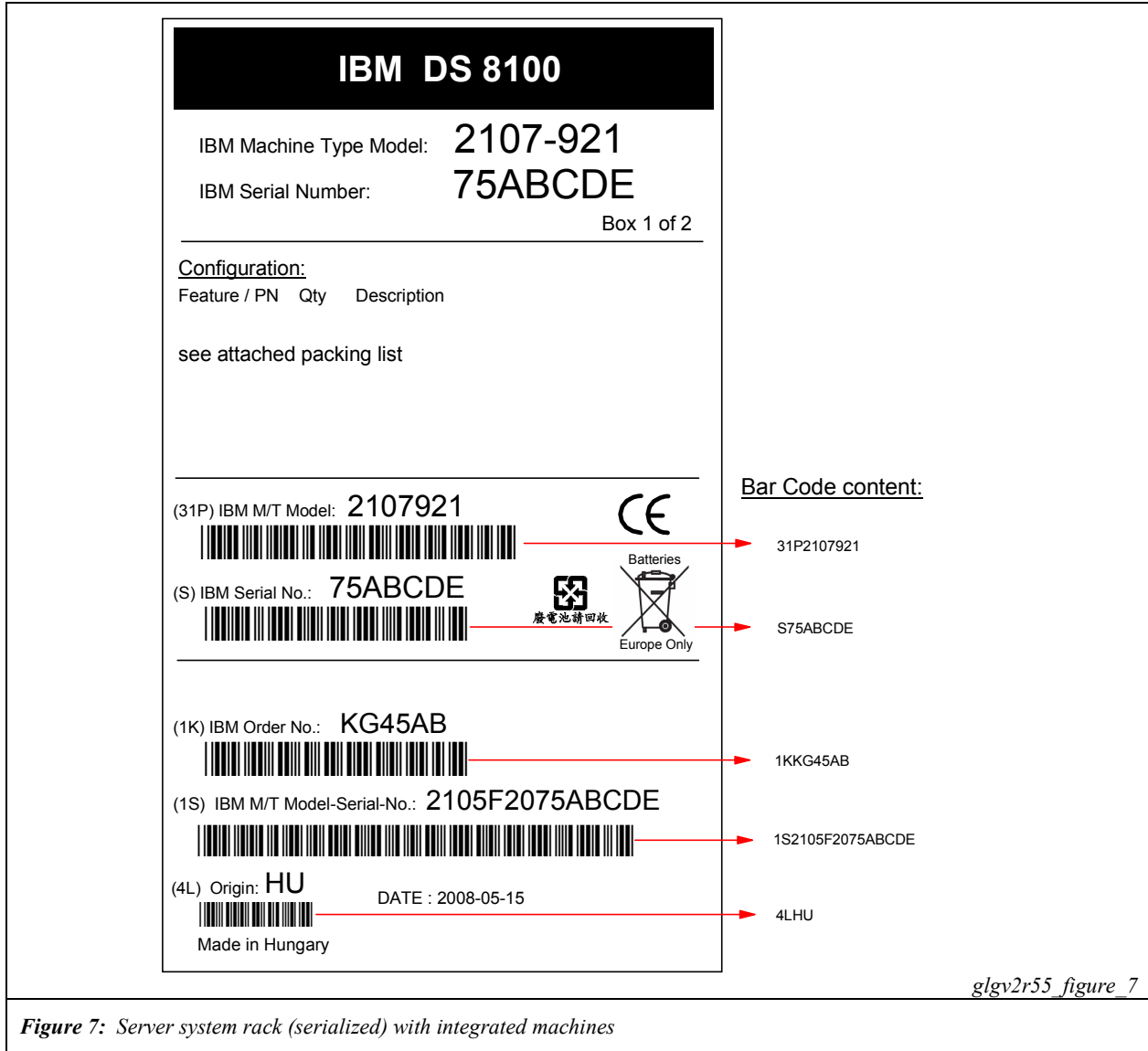


Figure 6: Server system rack (serialized) with integrated machines

PN 31L5039	EC F84029E 26 Sep 2001	EC J85278 15 Mar 2005	EC L80800 23 May 2008	EC L80800D 23 Apr 2010	EC L80800G 29 Apr 2011	EC L80800I 22 Jun 2011	EC L80800K 30 Mar 2012
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A.3 Serialized Machine with Large Configuration



PN 31L5039	EC F84029E 26 Sep 2001	EC J85278 15 Mar 2005	EC L80800 23 May 2008	EC L80800D 23 Apr 2010	EC L80800G 29 Apr 2011	EC L80800I 22 Jun 2011	EC L80800K 30 Mar 2012
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A.4 HVEC (High Volume Easy Configurable) Products Label

System x 455 Server		
IBM Machine Type-Model: 8855-001		
IBM Machine Serial Number: 55A0AA0		
Product Id / Part Number: 99K9999		
Configuration: Box 1 of 1		
F/C	Qty	Description
standard	1	Base mechanical
standard	2	512 MB Memory
standard	1	1.4 Ghz Processor
standard	1	WIN XP - Server, US English
(31P) IBM M/T Model: 8855 001		<u>Bar Code content:</u>
		31P8855001
(S) Machine Serial Number : 55A0AA0		
		S55A0AA0
(30P) Part Number : 99K9999		
		1P99K9999
(1S) IBM M/T Mod. S/N : 885500155A0AA0		
		1S885500155A0AA0
(1K) IBM Order Number: 0306180013		
		1K0306180013
(4L) Origin : UK		
		4LUK
Made in UK		Date: 2008-05-17
GTIN: 	 IBM8855(A) IBM Korea	GTIN (if assigned) and country compliance and recycling symbols
	      Europe Only	

glgv2r55_figure_8

Figure 8: HVEC (High Volume Easy Configurable) Products Label

PN 31L5039	EC F84029E 26 Sep 2001	EC J85278 15 Mar 2005	EC L80800 23 May 2008	EC L80800D 23 Apr 2010	EC L80800G 29 Apr 2011	EC L80800I 22 Jun 2011	EC L80800K 30 Mar 2012
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Appendix B. Options Labels

The examples shown in this appendix are addressing the different scenarios for package labels of options.

B.1 Option Label for a single, non serialized commodity

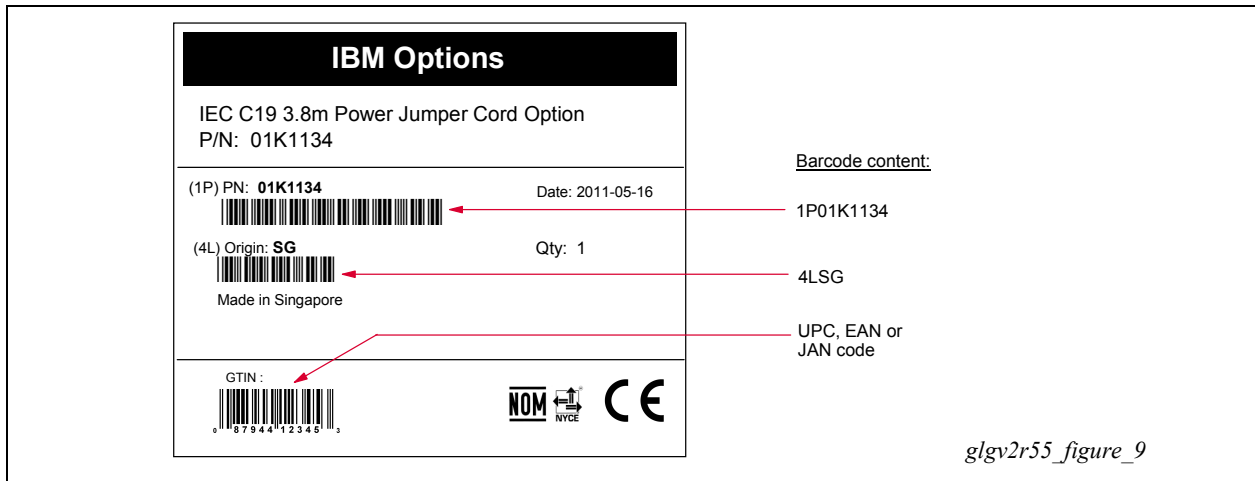


Figure 9: Label for an option requiring no traceability. Essential content identification (see section 3.4) is not required on this label when either the option part number is printed on the part label of the 'essential character' component, or a flyer showing the relationship between the option part number and the 'essential character' component(s) part number is included in the package.

B.2 Option Label for a single, non serialized commodity

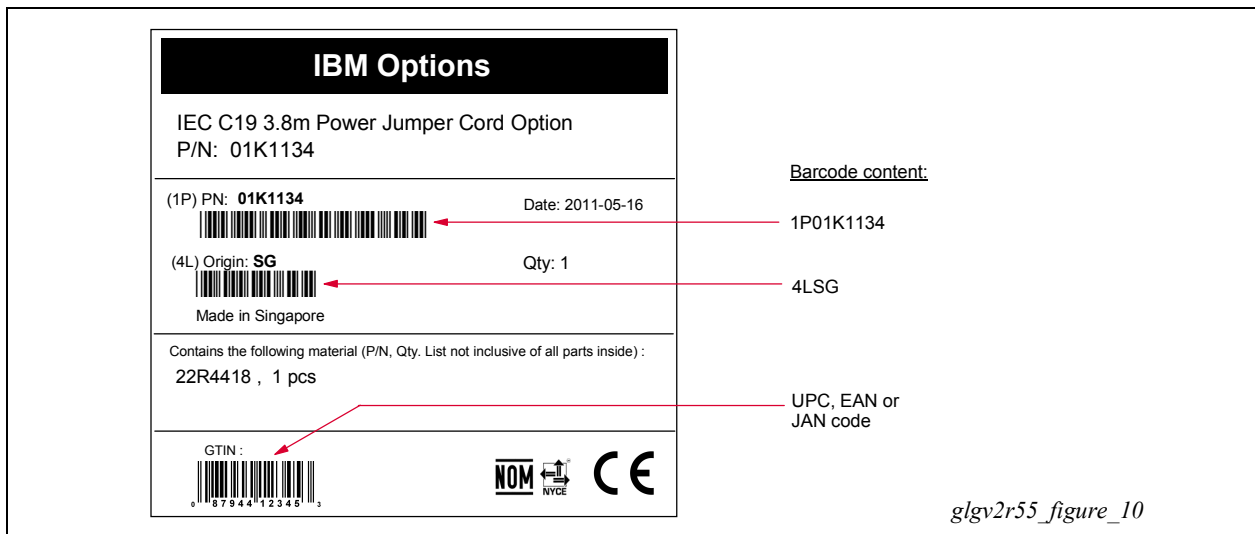


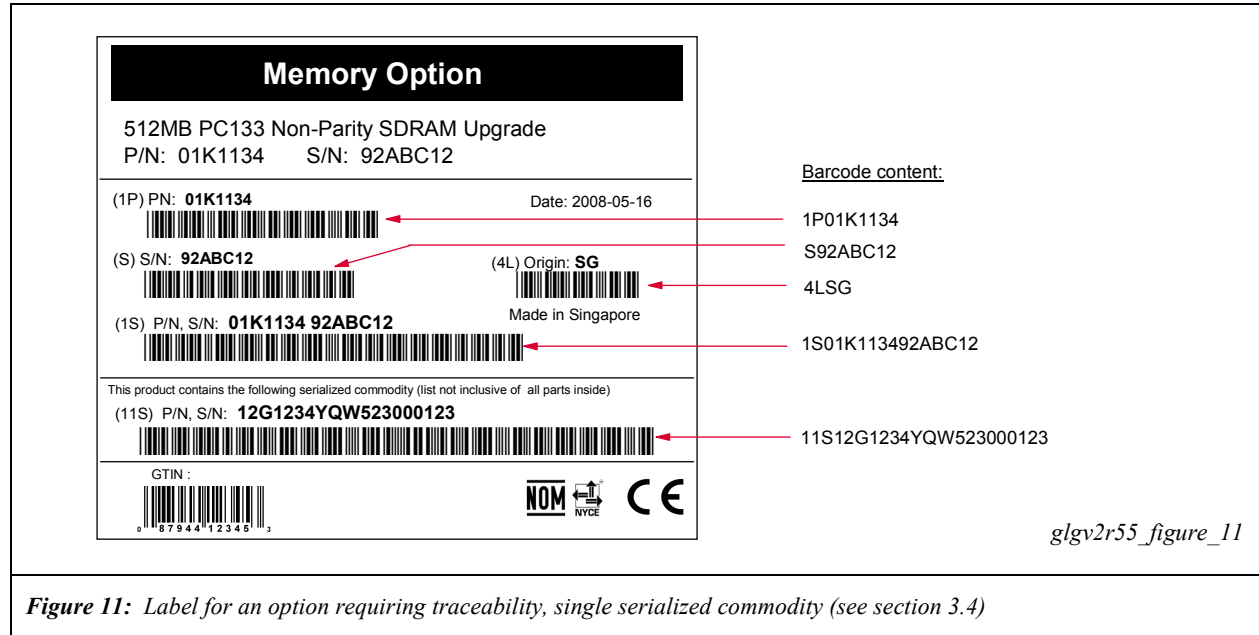
Figure 10: Label for an option requiring no traceability. The option part number is **not** shown on the part label of the 'essential character' component, nor is there a flyer inside the package, therefore the manufacturing part number is printed on the option package label (see section 3.4).

PN 31L5039	EC F84029E 26 Sep 2001	EC J85278 15 Mar 2005	EC L80800 23 May 2008	EC L80800D 23 Apr 2010	EC L80800G 29 Apr 2011	EC L80800I 22 Jun 2011	EC L80800K 30 Mar 2012
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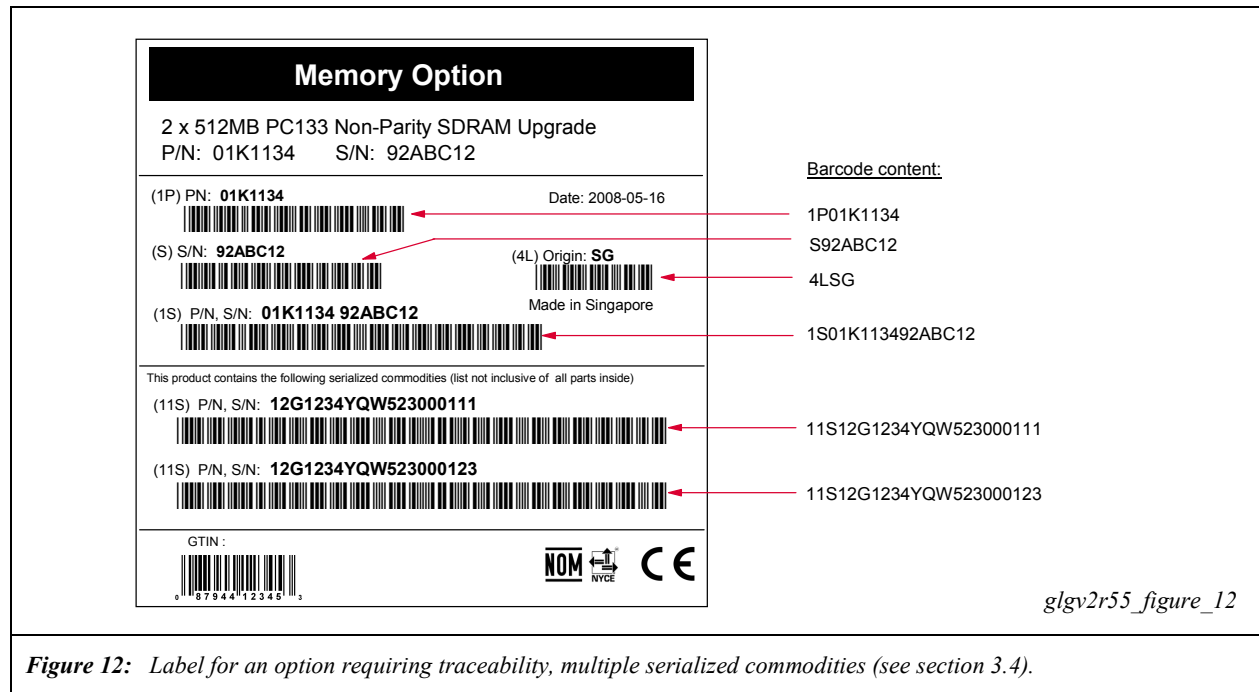


B.3 Option Label with a single serialized component

Note: For suppliers implementing a common label process, these label formats can also be used for options not identified for traceability. In that case, the '11S' barcode is optional when the 'essential character' component inside the package is not labeled with an '11S' barcode. In that case, the human readable commodity PN may be substituted as shown in Figure 10.



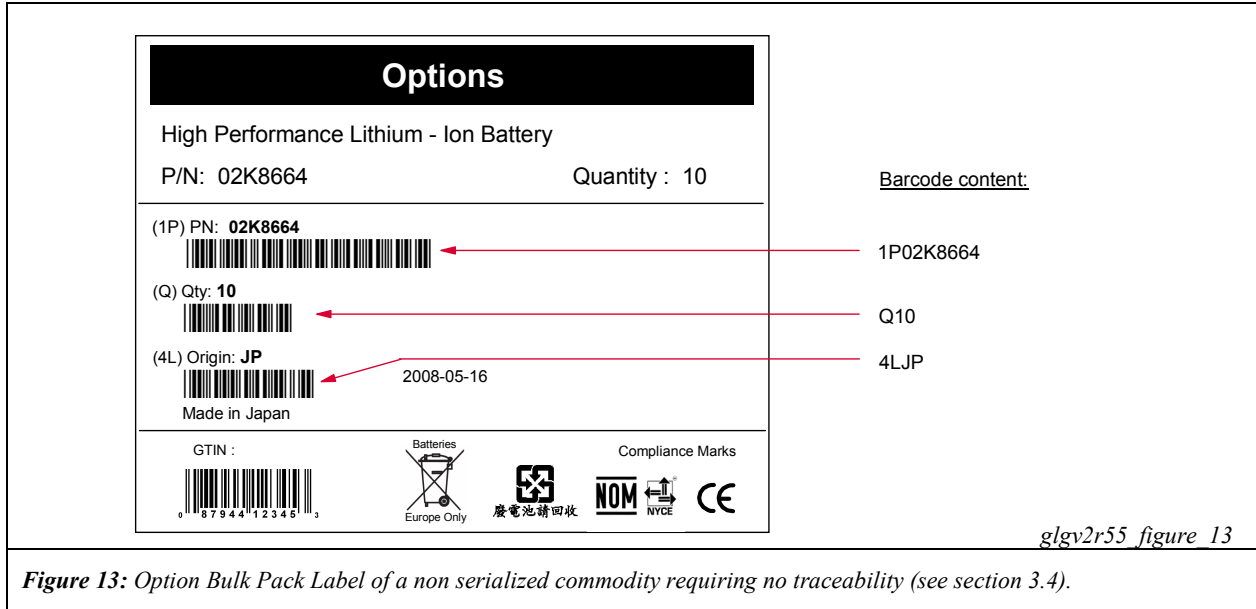
B.4 Option Label with multiple serialized components



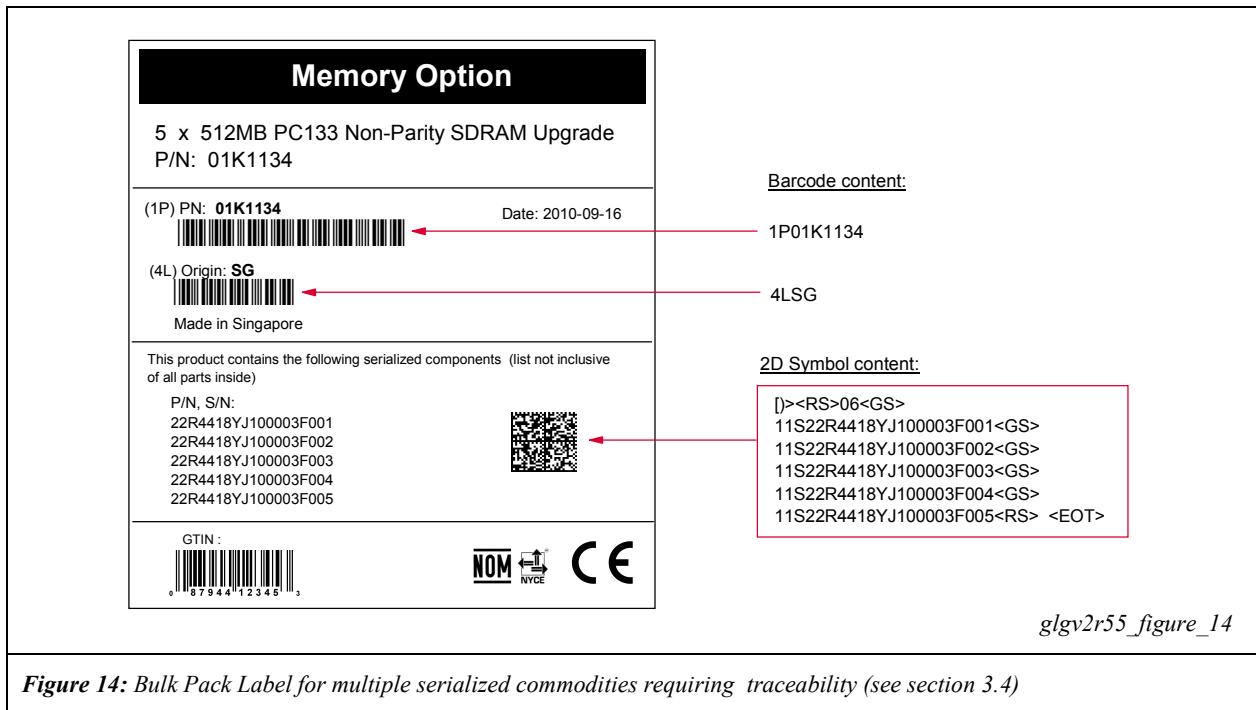
PN 31L5039	EC F84029E 26 Sep 2001	EC J85278 15 Mar 2005	EC L80800 23 May 2008	EC L80800D 23 Apr 2010	EC L80800G 29 Apr 2011	EC L80800I 22 Jun 2011	EC L80800K 30 Mar 2012
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B.5 Bulk Pack Option Label for non serialized components



B.6 Bulk Option Label for serialized components



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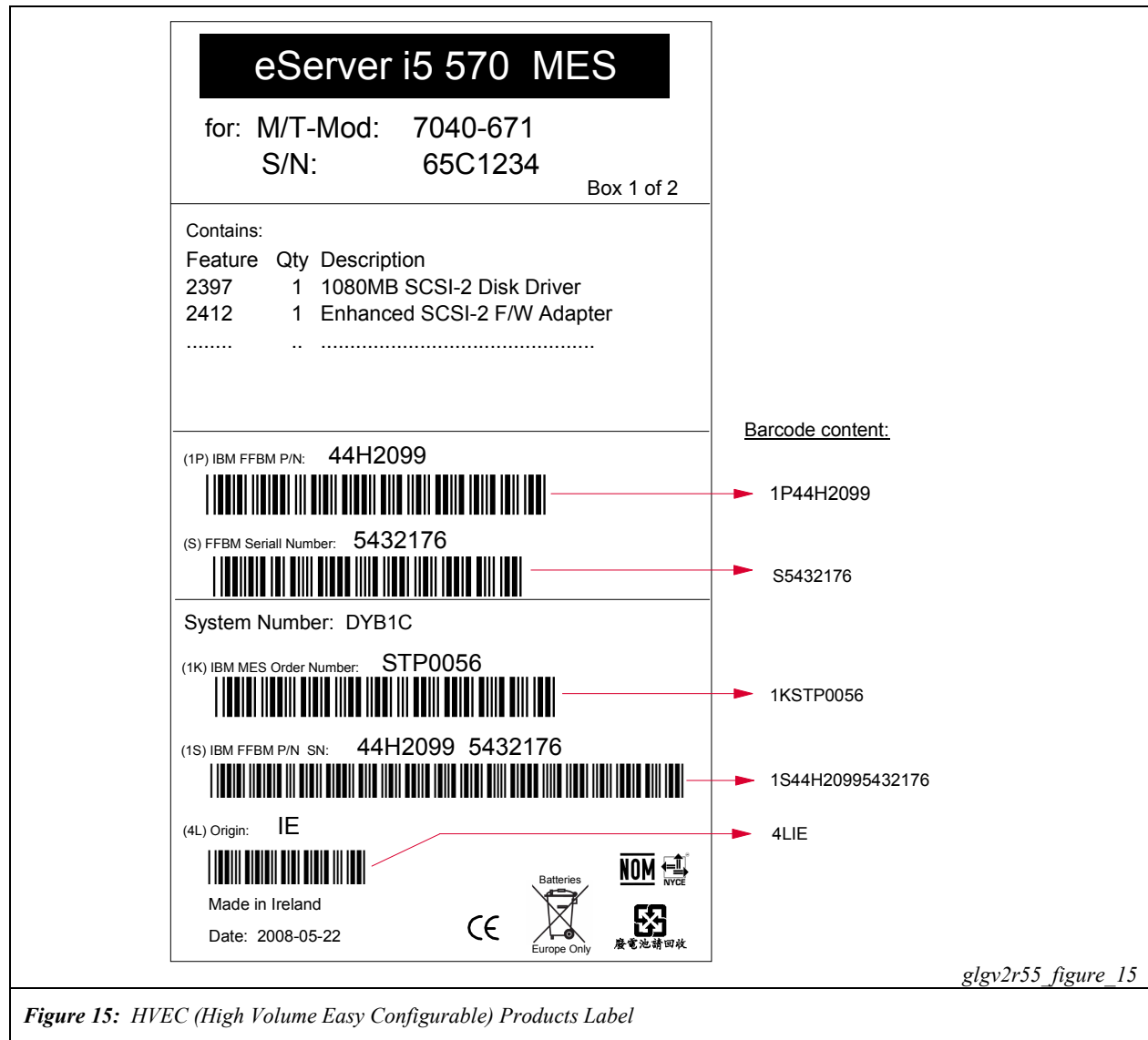


Appendix C. Label Examples for MES, Features and Parts

C.1 Single MES

An MES is normally manufactured for an existing, dedicated machine. Thus the machine type and serial number the MES is built for is printed on its product package label.

An MES order consists of one or more features, in a quantity of one or more. Each feature code is assigned an FFBM (field feature bill of material) part number. Each feature / FFBM part number consists of one or more assemblies or parts in a quantity of 1 or more.



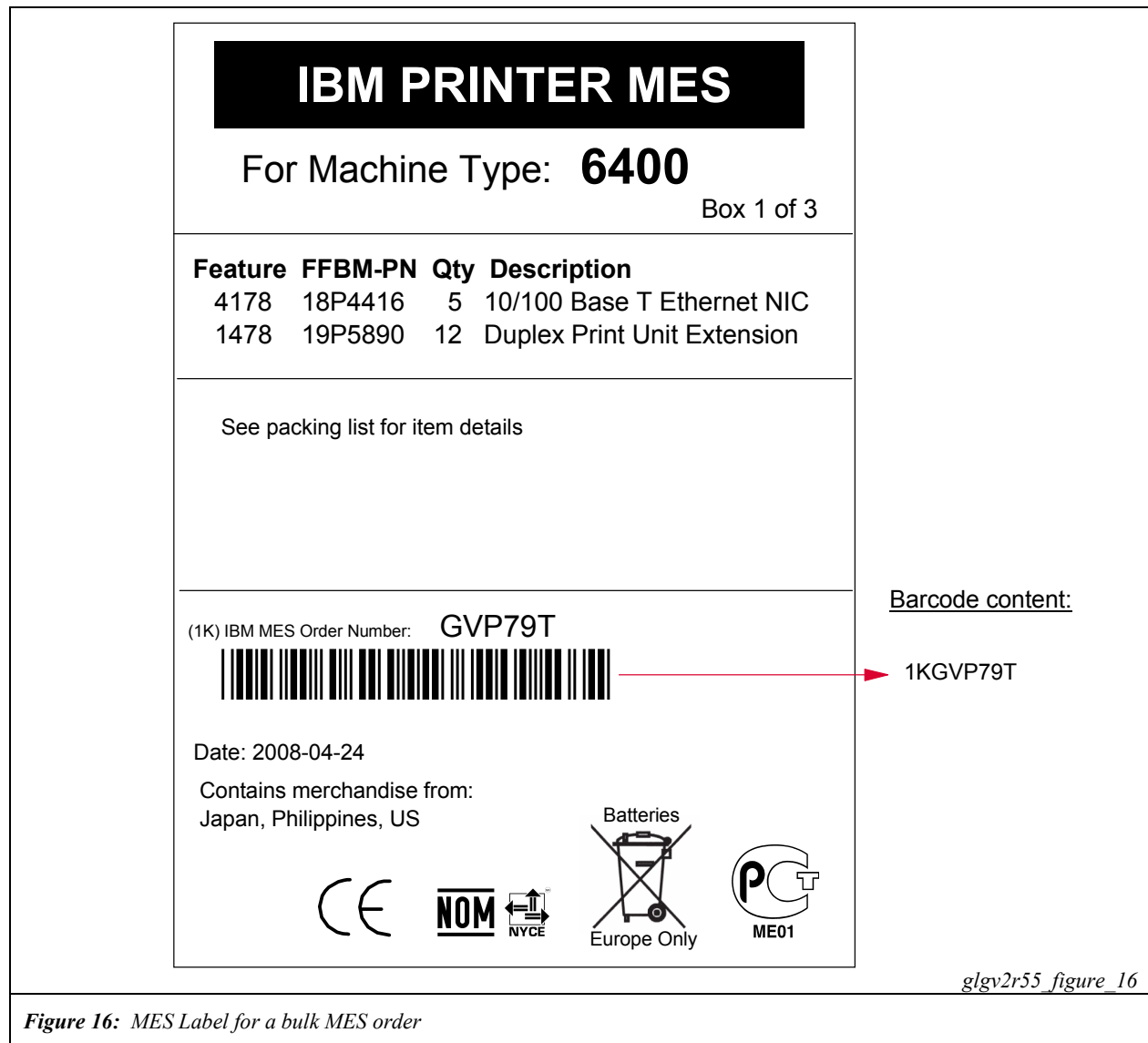
PN 31L5039	EC F84029E 26 Sep 2001	EC J85278 15 Mar 2005	EC L80800 23 May 2008	EC L80800D 23 Apr 2010	EC L80800G 29 Apr 2011	EC L80800I 22 Jun 2011	EC L80800K 30 Mar 2012
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C.2 Bulk MES Label

Bulk MESs may be ordered by certain business partners. These MES are ordered in quantities greater than 1. The dedicated machine serial number the particular MES will be assigned to is not known at the time of manufacturing and shipping.

The single parts of the MES may be packed into a large box, which gets a bulk MES label like the example shown below.



PN 31L5039	EC F84029E 26 Sep 2001	EC J85278 15 Mar 2005	EC L80800 23 May 2008	EC L80800D 23 Apr 2010	EC L80800G 29 Apr 2011	EC L80800I 22 Jun 2011	EC L80800K 30 Mar 2012
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C.3 Feature Label

A feature is ordered by customers via ‘feature code’. Each feature code translates into a FFBM part number, which is the top bill part number and which consists of 1 or more parts, each identified by a manufacturing part number.

If label space can’t accommodate all the parts (i.e. FFBM PN, quantity and description), print a packing list and attach to or put into the package.

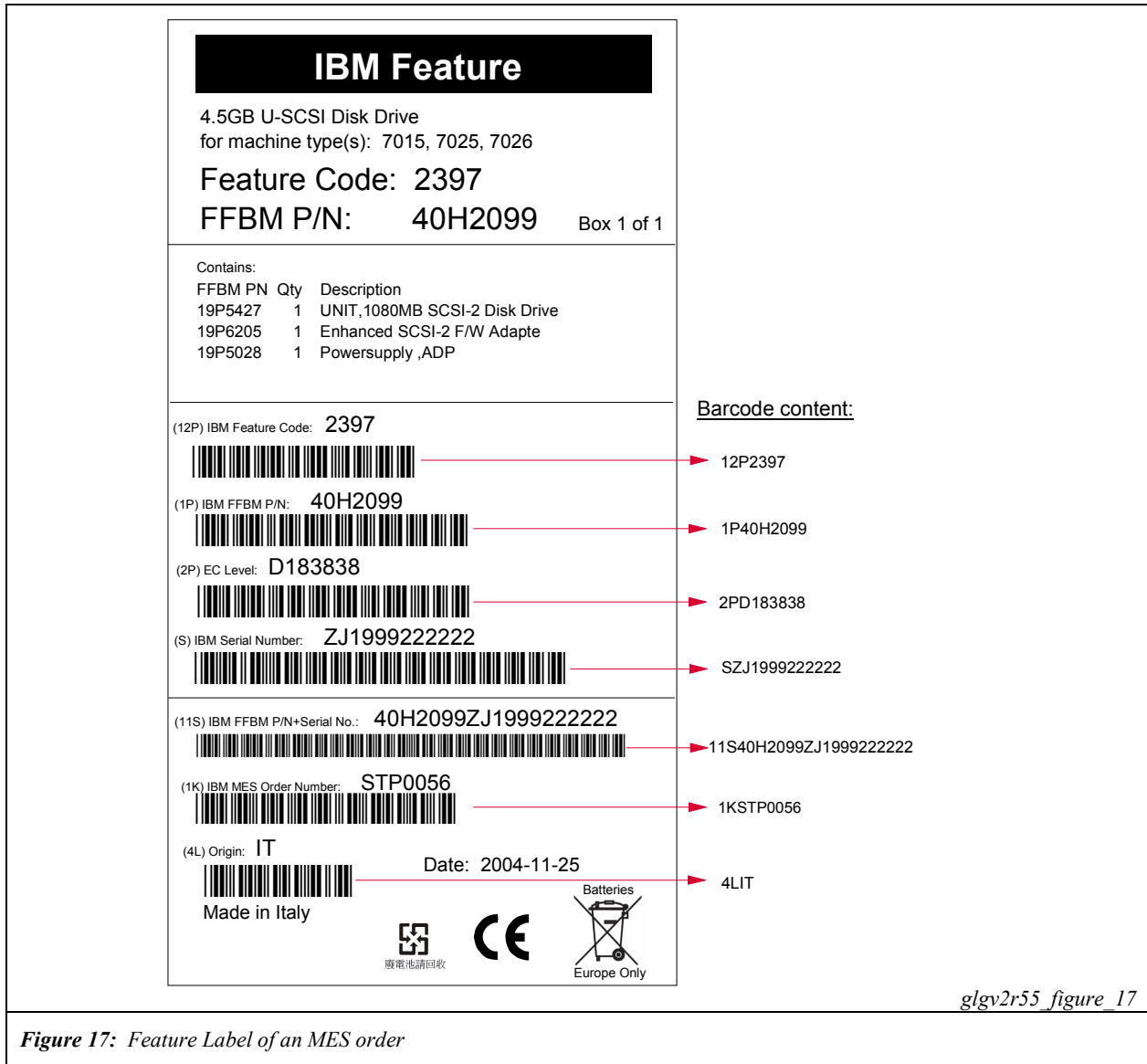


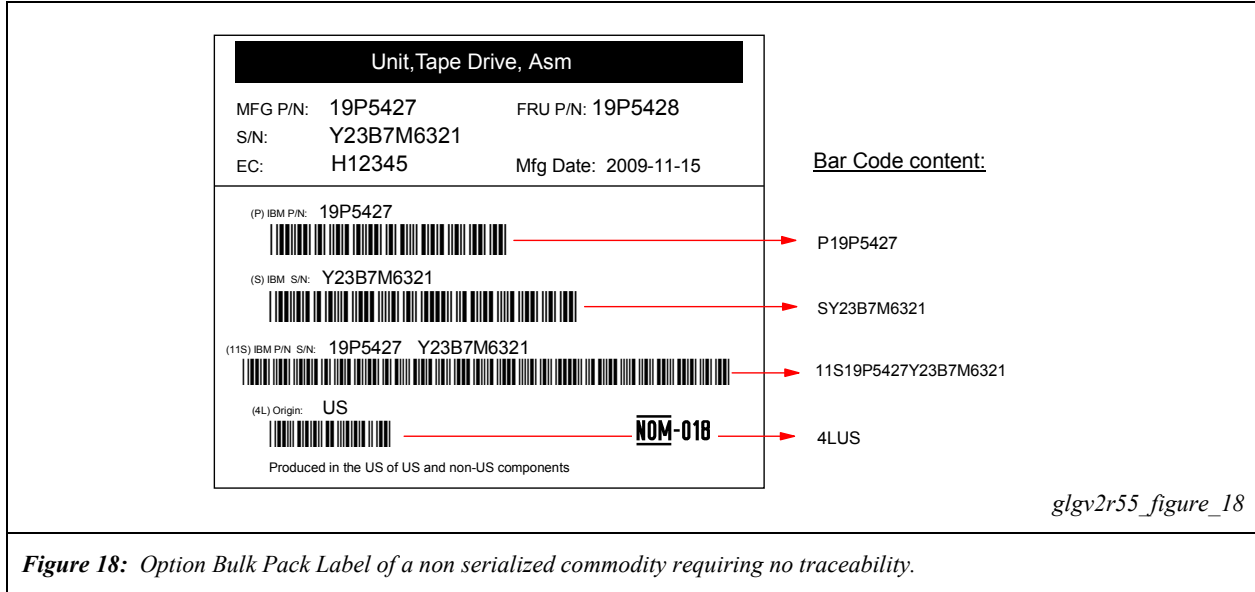
Figure 17: Feature Label of an MES order

PN 31L5039	EC F84029E 26 Sep 2001	EC J85278 15 Mar 2005	EC L80800 23 May 2008	EC L80800D 23 Apr 2010	EC L80800G 29 Apr 2011	EC L80800I 22 Jun 2011	EC L80800K 30 Mar 2012
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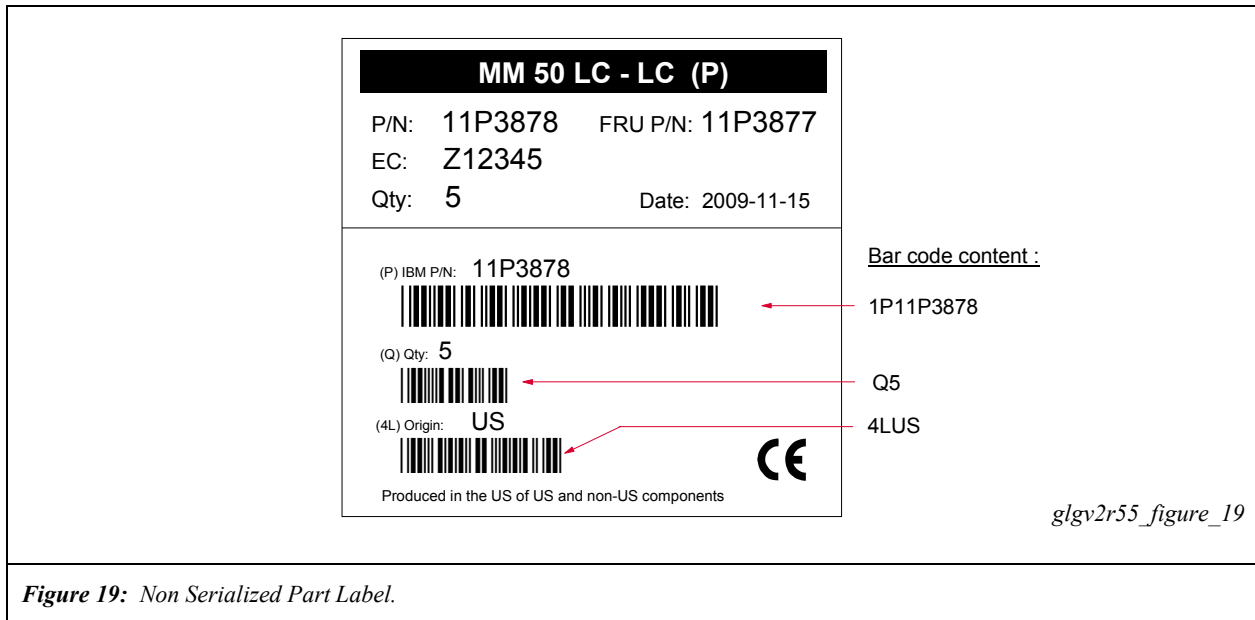
C.4 Serialized Part Label

This is an example of a serialized, single unit component part which is neither an option or a FRU. See volume 6 of the GLG for FRU package labels.



C.5 Non Serialized Part Label

This is an example of a non serialized, single unit component part which is neither an option or a FRU. See volume 6 of the GLG for FRU package labels. This label can also be used for bulk shipments of FRUs.



PN 31L5039	EC F84029E 26 Sep 2001	EC J85278 15 Mar 2005	EC L80800 23 May 2008	EC L80800D 23 Apr 2010	EC L80800G 29 Apr 2011	EC L80800I 22 Jun 2011	EC L80800K 30 Mar 2012
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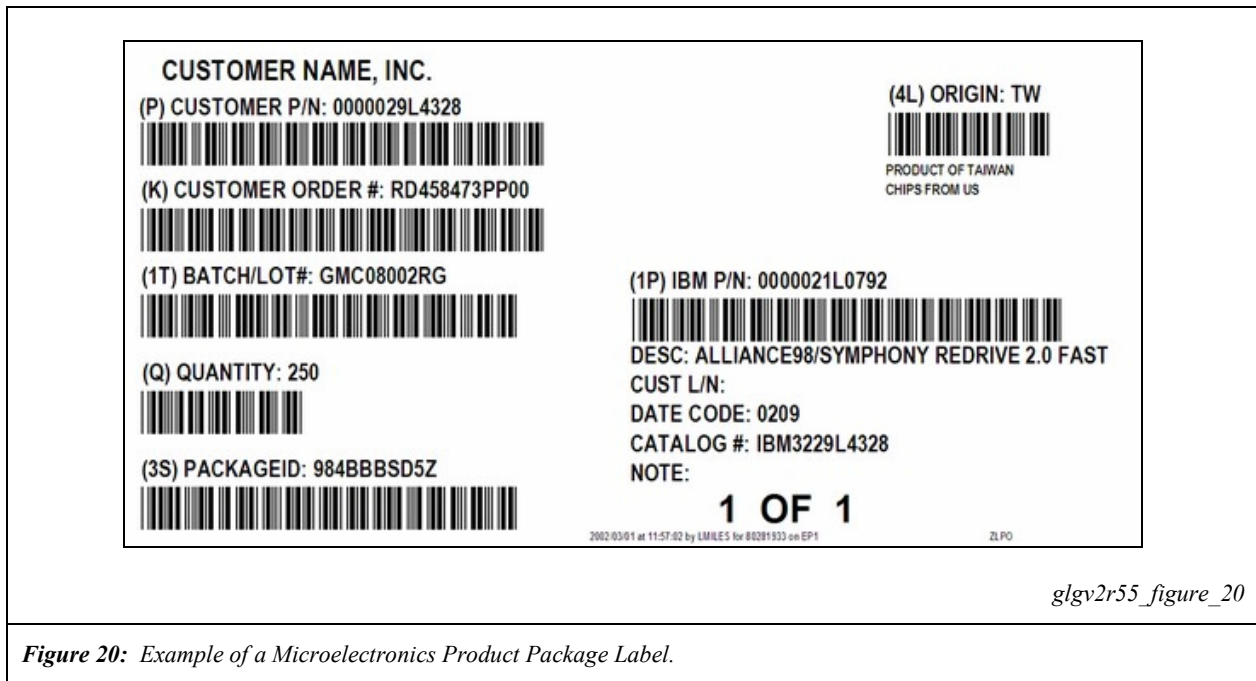


Appendix D. Microelectronics Labels

Below figure shows an example of a standard product package label for electronic components of the Microelectronics Division.

Note: Labels for such products can be driven by unique customer requirements, which may specify a different layout, content, and presentation of the data elements.

The picture below is just an arbitrary example out of many different existing formats.

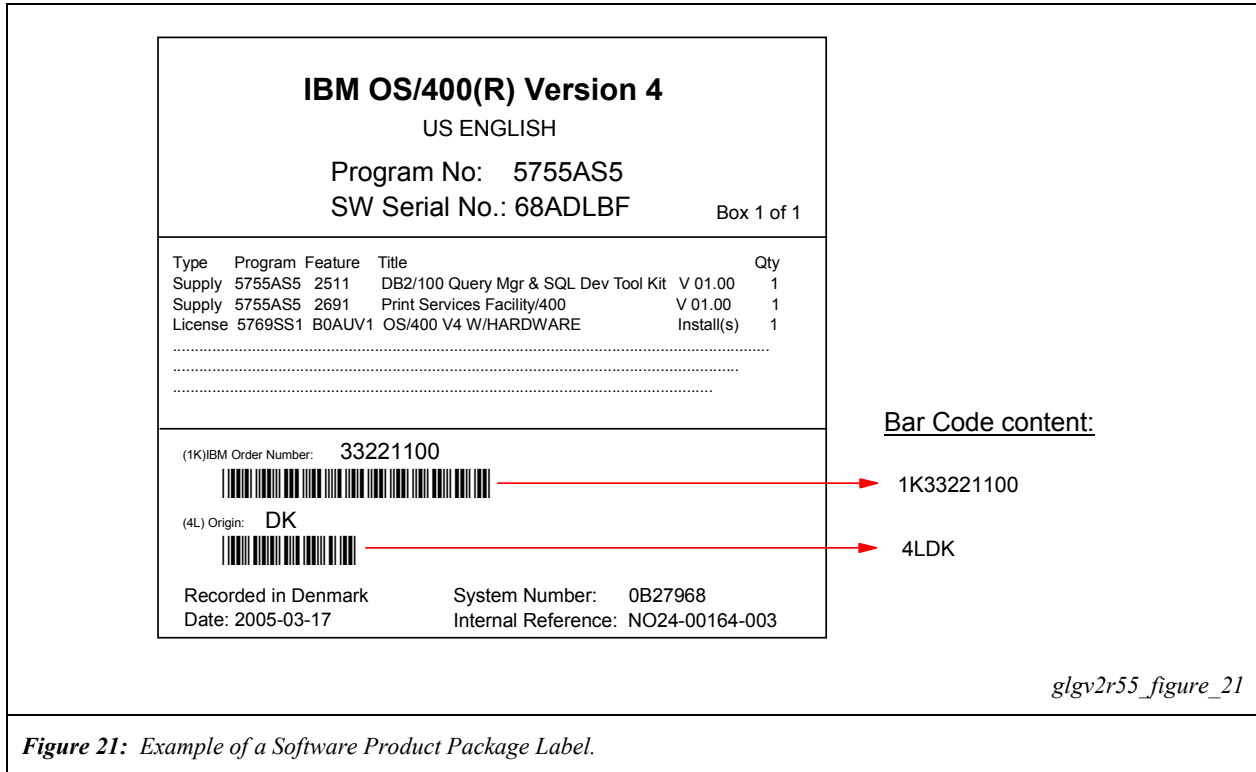


PN 31L5039	EC F84029E 26 Sep 2001	EC J85278 15 Mar 2005	EC L80800 23 May 2008	EC L80800D 23 Apr 2010	EC L80800G 29 Apr 2011	EC L80800I 22 Jun 2011	EC L80800K 30 Mar 2012
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Appendix E: Software Package Labels

Below figure shows an example of a product package label for software product.



PN 31L5039	EC F84029E 26 Sep 2001	EC J85278 15 Mar 2005	EC L80800 23 May 2008	EC L80800D 23 Apr 2010	EC L80800G 29 Apr 2011	EC L80800I 22 Jun 2011	EC L80800K 30 Mar 2012
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Appendix F. Compliance Indicators

This section shows graphics of compliance marks and indicators that may be shown on product package labels, depending on applicability.



Figure 22 : The European Union's CE Mark



Figure 23 : The Korean KC (Korean Certification) Mark



Figure 24 : The Mexican NOM Mark



Figure 25 : The Russian GOST Marks



廢電池請回收

Figure 26 : The Taiwanese Battery Recycling Mark

Batteries



Figure 27 : Battery Recycling Mark - Crossed out wheeled bin with supplemental wording added for use on packaging

PN 31L5039	EC F84029E 26 Sep 2001	EC J85278 15 Mar 2005	EC L80800 23 May 2008	EC L80800D 23 Apr 2010	EC L80800G 29 Apr 2011	EC L80800I 22 Jun 2011	EC L80800K 30 Mar 2012
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Appendix G. Revision History

Date	EC Level	Changes
1999-11-12	F84029	Created as a separate volume. Previously it existed as a separate chapter in the Global Labeling Implementation Guide version 4.0, which existed as one document.
2000-06-04	F84029B	<ol style="list-style-type: none"> 1. Added section 3.2, "Ground Rules for the Product Package Label". 2. Provided an example that used "Assembled in US of US and non-US components". 3. Added section 4.0, "Where to place product package labels". 4. Added section 3.5 "Special Country Requirements". 5. Added a second example of an MES label.
2001-09-26	F84029E	<ol style="list-style-type: none"> 1. Changed all labels so that bar code titles met the new font and position rules: Title begins above quiet zone and the value is in a larger font than the rest of the title. 2. Adopt design style of Japan's Mr. Takuji Satoh for depicting the contents of bar codes. This style prints the contents of the bar code in a white box on the bar code. 3. Added three more Personal Computer Division examples and moved all the PCD labels to appendix B. 4. Permit, but discourage, the use of a "combination label" that doubles as both a shipping label and a product package label. Such labels present too much clutter for both shippers and customers. 5. Replaced the country of origin bullets in the "Ground Rules" with a reference to section 6 in volume 1. 6. Added special rules for China. 7. Made small wording change in the comments for the "Country of Origin" data element. 8. Added "System Type" and "System Number" to the data elements table as optional fields. 9. Changed status of "date" from required to optional. 10. Added requirement that UPC code is required on products shipped to certain business partners (e.g. Ingram Micro). 11. Added IBM order number to the example of a software product package label.
2005-03-15	J85278	<ol style="list-style-type: none"> 1. New document structure 2. Uniform basic layout and design of product package labels across brands 3. Less optional data elements 4. Groupage of label examples according to the product category 5. Added Lenovo requirements for PC products in response to the PCD split 6. Added section showing compliance markings
2005-05-18	J85619	<ol style="list-style-type: none"> 1. Change of 'Manufactured for...' statement on Lenovo labels 2. Fixed a bug regarding bar code data identifier for mfg parts 3. Added an example of an option bulk pack label
2008-05-23	L80800	<ol style="list-style-type: none"> 1. Removed Lenovo specific requirements 2. Replaced UPC and EAN by GTIN and EAN.UCC by GS1 3. Deleted PC labels, modified several labels and added compliance symbols
2008-08-06	L81024	<ol style="list-style-type: none"> 1. Added the crossed out wheeled bin logo with supplemental wording to meet the EU directive's requirements on battery marking
2010-04-23	L80800D	<ol style="list-style-type: none"> 1. Added conditional requirement for a separate lithium battery label to the ground rules 2. In figure 6, changed data area title from 'EAN/UPC' into 'GTIN' 3. Changed the country of origin statement of label examples showing US origin to the new

PN 31L5039	EC F84029E 26 Sep 2001	EC J85278 15 Mar 2005	EC L80800 23 May 2008	EC L80800D 23 Apr 2010	EC L80800G 29 Apr 2011	EC L80800I 22 Jun 2011	EC L80800K 30 Mar 2012
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IBM Labeling Specification
Product Package Labels

Version No. 5.6
March 30, 2012

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Date	EC Level	Changes
		wording "Produced in the US of US and non-US components"
2011-04-29	L80800G	<ol style="list-style-type: none">1. Added sections on special considerations on compliance mark in general and for Korean requirements in particular.2. Modified some label examples to include KC mark3. Appendix F: added the generic KC mark, removed obsolete NOM-18 mark
2011-06-22	L80800I	<ol style="list-style-type: none">1. Added section 3.4 on essential content identification for options labels2. Added pictures for the different option label scenarios3. Added information on 2D symbol capacity in section 3.64. Replaced the Microelectronics label (App. D) by a more recent and commonly used one
2012-03-30	L80800K	<ol style="list-style-type: none">1. Added section 3.6 for any country specific labeling and/or marking requirements on packages2. Added new local language labeling requirements for Indonesia in section 3.6.13. Added new section (3.7) with battery capacity marking requirements4. Modification of the trash bin symbol for batteries: removed the words "Europe only"5. GTIN (UPC/EAN/JAN code) in table 1: clarified that no symbol be printed if no value for this element is assigned6. Added a note in B3 for harmonized label template use7. Removed explicit 2D requirement in section 3.4

--- end of document ---

PN 31L5039	EC F84029E 26 Sep 2001	EC J85278 15 Mar 2005	EC L80800 23 May 2008	EC L80800D 23 Apr 2010	EC L80800G 29 Apr 2011	EC L80800I 22 Jun 2011	EC L80800K 30 Mar 2012
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