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INTERNATIONAL STANDARD

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Product package labels for electronic components using bar code and two-dimensional symbologies

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IEC Central Office
3, rue de Varembé
CH-1211 Geneva 20
Switzerland

Tel.: +41 22 919 02 11
Fax: +41 22 919 03 00
info@iec.ch
www.iec.ch

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CONTENTS

FOREWORD 4
1 Scope 6
2 Normative references 6
3 Terms and definitions 7
4 Label data content and requirements 7
4.1 Data elements – general 7
4.2 Mandatory data elements 8
4.2.1 Manufacturer item identification – DI “1P” and “25P” 8
4.2.2 Customer product code – DI “P” 8
4.2.3 Manufacturer identification – DI “18V” and “21V” 8
4.2.4 Quantity – DI “Q” and “7Q” 8
4.2.5 Traceability identification – DI “S” and “25S”, “1T” and “25T” 9
4.2.6 Country of origin – DI “4L” 9
4.2.7 Production date – DI “16D” 9
4.2.8 Package identification – DI “J” and “3S” 9
4.3 Optional data elements 10
4.3.1 Expiration date – DI “14D” 10
4.3.2 Revision level – DI “2P” 10
4.3.3 EIAJ ID – DI “3N” 10
4.3.4 Manufacturer location – DI “25L” 10
4.3.5 Customer assigned supplier code – DI “V” 10
4.3.6 Moisture sensitivity level – DI “13E” 11
4.3.7 URL – DI “33L” and “34L” 11
4.4 Data semantics and formats defined by the data identifiers 11
4.5 Data representation 13
4.5.1 General formatting 13
4.5.2 General formatting for machine-readable symbols 14
4.5.3 General formatting for human-readable information 14
4.6 Data carrier selection 15
4.6.1 Linear bar code symbols 15
4.6.2 Two-dimensional (2D) symbols 16
4.7 Label size, layout, and location 17
4.7.1 Label size 17
4.7.2 Label layout 17
4.7.3 Examples of label and label layout 17
4.7.4 Label location 18
Annex A (informative) Quality aspects of labels – Adhesive characteristics and durability of marking 20
A.1 General 20
A.2 Recommendations 20
A.2.1 General 20
A.2.2 Adhesion characteristics 20
A.2.3 Use and protection 20
A.2.4 Storage conditions 21
A.2.5 Durability 21
A.2.6 Blank label stock contamination 21
A.3 Method of test 21

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A.3.1 Adhesive strength 21
A.3.2 Blank label stock contamination 21
A.3.3 Recyclability 22
Annex B (informative) ISO/IEC 15434 Data Transfer Syntax 23
Annex C (informative) URL 24
C.1 General 24
C.2 Principle of using the URL DI “33L” 24
C.3 Principle of using the P2P URL DI “34L” 25
C.4 Implementation of product to internet communication by help of P2P data identifier “34L” 25
Annex D (informative) Examples of data element short titles 27
Annex E (informative) Package levels for component package labels 28
E.1 Inner and outer product packages 28
E.2 "Unit load packages" / "handling units" / "overpacks" 29
E.3 "Shipping units" / "transport packages" 29
Bibliography 30

Figure 1 – Label with a linear bar code, Data Matrix symbol and human-readable information 17
Figure 2 – Label with minimum content, Data Matrix and human-readable information 17
Figure 3 – Label with minimum content, QR Code and human-readable information 18
Figure 4 – Typical label locations 19
Figure A.1 – Adhesion tester 22
Figure B.1 – Example of encoding data elements in a 2D symbol 23
Figure C.1 – Smartphone with P2P App for access to P2P information 26
Figure E.1 – Examples for intimate/inner packages 28
Figure E.2 – Example for outer package with more than one inner package. 28
Figure E.3 – Example of "unit loads" or "handling units" or "overpacks" 29
Figure E 4 – Examples of transport packages 29

Table 1 – Data identifiers 11
Table 2 – Mandatory data elements and their representations 13
Table 3 – Valid combinations of representation of optional data elements 14
Table 4 – Product package label symbol requirements – Code 39 15
Table 5 – Product package label symbol requirements – Code 128 16
Table C.1 – How to use the URL DI “33L”. 24
Table C.2 – How to use the P2P URL DI “34L” 25
Table C.3 –ASC DIs used for the P2P code example: 26
Table D.1 – Examples of data element short titles 27

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

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PRODUCT PACKAGE LABELS FOR ELECTRONIC COMPONENTS USING BAR CODE AND TWO-DIMENSIONAL SYMBOLOGIES

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International Standard IEC 62090 has been prepared by IEC technical committee 91: Electronics assembly technology.

This second edition cancels and replaces the first edition published in 2002. This edition constitutes a technical revision.

This edition includes the following significant technical changes with respect to the previous edition:

a) Applicable data elements have been added. Data identifiers of those data elements are "10D", "14D", "2P", "25L", "18V", "V", "J", "3S", "13E", "33L" and "34L".
b) The following new informative annexes have been added:
   – Annex C, *URL*;
   – Annex D, *Examples of data element short titles*;
   – Annex E, *Package levels for component package labels*.

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The text of this International Standard is based on the following documents:

CDV	Report on voting
91/1394/CDV	91/1430/RVC

Full information on the voting for the approval of this International Standard can be found in the report on voting indicated in the above table.

This document has been drafted in accordance with the ISO/IEC Directives, Part 2.

The committee has decided that the contents of this document will remain unchanged until the stability date indicated on the IEC website under "http://webstore.iec.ch" in the data related to the specific document. At this date, the document will be

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PRODUCT PACKAGE LABELS FOR ELECTRONIC COMPONENTS USING BAR CODE AND TWO-DIMENSIONAL SYMBOLOGIES

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1 Scope

This document applies to labels on the packaging of electronic components for automatic handling in B2B processes. These labels use linear bar code and two-dimensional (2D) symbols. Labels for direct product marking and shipping labels are excluded. Labels required on the packaging of electronic components that are intended for the retail channel of distribution in B2C processes are also excluded from this document.

Bar code and 2D symbol markings are used, in general, for automatic identification and automatic handling of components in electronics assembly lines. Intended applications include systems that automate the control of component packages during production, inventory and distribution.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO/IEC 15417, *Information technology – Automatic identification and data capture techniques – Code 128 bar code symbology specification*

ISO/IEC 15418, *Information technology – Automatic identification and data capture techniques – GS1 Application Identifiers and ASC MH 10 Data Identifiers and maintenance*

ISO/IEC 15434, *Information technology – Automatic identification and data capture techniques – Syntax for high-capacity ADC media*

ISO/IEC 15459 (all parts), *Information technology – Automatic identification and data capture techniques – Unique identification*

ISO/IEC 16022, *Information technology – Automatic identification and data capture techniques – Data Matrix bar code symbology specification*

ISO/IEC 16388, *Information technology – Automatic identification and data capture techniques – Code 39 bar code symbology specification*

ISO/IEC 18004, *Information technology – Automatic identification and data capture techniques – QR Code bar code symbology specification*

ISO/IEC 19762, *Information technology – Automatic Identification and data capture (AIDC) techniques – Harmonized vocabulary*

ISO 8601, *Data elements and interchange formats – Information interchange – Representation of dates and times*

ANSI MH10.8.2, *Data Identifier and Application Identifier Standard*