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Packaging of components for automatic handling – Part 3-4: Packaging of surface mount components on continuous embossed tapes for Auto Loading Feeder

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CONTENTS

FOREWORD 4
INTRODUCTION 6
1 Scope 7
2 Normative references 7
3 Terms, definitions and symbols 7
3.1 Terms and definitions 7
3.2 Symbols 8
4 Overview of Auto Loading Feeder 8
4.1 Overview and features of Auto Loading Feeder 8
4.2 Methods and mechanisms of automatically exposing the pockets in using Auto Loading Feeder 9
5 Discussion items for requirements for emboss taping for Auto Loading Feeder 10
5.1 General 10
5.2 Required dimensions for the cover tape sealed positions 10
5.3 Required dimensions for the distance between the upper side of the carrier tape and the top surface of a component in using Auto Loading Feeder 11
5.4 Necessity of M_1 and M_2 as the cover tape sealed positions 11
5.5 Necessity of K_1 as the distance between the upper side of the carrier tape and the top surface of a component 12
5.6 Necessity of K_2 as the recessed part in a cross-bar section 13
5.7 Necessity of K_3 as the distance between the upper side of the recessed part in a cross-bar section and the top surface of a component 14
5.8 Sealing method for the cover tape 15
5.9 Dent of the cover tape over the pockets 15
5.10 Lower limit of peel-off strength of the cover tape 16
5.11 Adhesion of components on the cover tape 16
5.12 Bottom hole of pockets of the carrier tape 16
5.13 Maximum trailer length 17
5.14 Fixing the tail end of the carrier tape 17
6 Summary of the discussions: considered requirements and dimensions for emboss taping for Auto Loading Feeder 17
6.1 General 17
6.2 Required dimensions for the cover tape sealed positions 18
6.3 Required dimensions for the distance between the upper side of the carrier tape and the top surface of a component 18
6.4 Required specifications for the sealing method of the cover tape 18
6.5 Required specifications for maximum trailer length 18
7 Possible problems for emboss taping for Auto Loading Feeder 18
7.1 General 18
7.2 Relationship between sealed positions of the cover tape and openings of the pockets 18
7.3 Recessed part in a cross-bar section 19
7.4 Dot seals 19
7.5 Thickness of embossed carrier tape 20
7.6 Relationship between Auto Loading Feeder and tape camber specified in IEC 60286-3 21

Annex A (informative) Methods and mechanisms of automatically exposing pockets in using Auto Loading Feeder 22
A.1 General 22
A.2 Single-door method 22
A.3 Double-door method 22
Annex B (informative) Glossary 24
Bibliography 26

Figure 1 – Specified dimensions for emboss taping for Auto Loading Feeder 8
Figure 2 – Operation and features when another tape is re-supplied automatically by the Auto Loading Feeder 9
Figure 3 – Example of a part of embossed carrier tape with a recessed part in a cross-bar section 13
Figure 4 – Relationship between the cover tape and the exposure processing mechanism of the pocket 13
Figure 5 – Relationship between the exposure processing mechanism of the pocket and convex of carrier tape 14
Figure 6 – Example dent of the cover tape over the pocket 15
Figure 7 – Leader part and trailer part 18
Figure 8 – Dimension B_1 and sealed positions 19
Figure 9 – Example of dot seal 20
Figure 10 – Relationship between embossed carrier tape thickness and component exposure process 21
Figure 11 – Tape camber (top view) 21
Figure A.1 – Overview of the single-door method 22
Figure A.2 – Overview of the double-door method 23

Table 1 – Symbols used in figures and tables 8
Table 2 – The cover tape sealed positions required for emboss taping for Auto Loading Feeder 11
Table 3 – Distance between the upper side of the carrier tape and the top surface of a component required for emboss taping for Auto Loading Feeder 11
Table B.1 – Glossary of mounter and feeder related terms 24

INTERNATIONAL ELECTROTECHNICAL COMMISSION

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PACKAGING OF COMPONENTS FOR AUTOMATIC HANDLING –

Part 3-4: Packaging of surface mount components on continuous embossed tapes for Auto Loading Feeder

FOREWORD

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IEC TR 60286-3-4 has been prepared by IEC technical committee 40: Capacitors and resistors for electronic equipment. It is a Technical Report.

The text of this Technical Report is based on the following documents:

Draft	Report on voting
40/2844/DTR	40/2866/RVDTR

Full information on the voting for its approval can be found in the report on voting indicated in the above table.

The language used for the development of this Technical Report is English.

This document was drafted in accordance with ISO/IEC Directives, Part 2, and developed in accordance with ISO/IEC Directives, Part 1 and ISO/IEC Directives, IEC Supplement, available

at www.iec.ch/members_experts/refdocs. The main document types developed by IEC are described in greater detail at www.iec.ch/standardsdev/publications.

A list of all parts in the IEC 60286 series, published under the general title *Packaging of components for automatic handling*, can be found on the IEC website.

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

- reconfirmed,
- withdrawn,
- replaced by a revised edition, or
- amended.

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INTRODUCTION

This Technical Report was developed by the technical committee 40 working group 36 on components packaging, in which the members, such as mounter manufacturers, component manufacturers and packaging material manufacturers, had proposed, considered and discussed the possible standardization of the application of Auto Loading Feeder to enable automatically exchange SMD continuous tapes, using paper carrier tape during mounter operation, aiming to support IEC 60286-3, Edition 6, issued in 2019.

This document includes data expressed in the form of provisions, such as requirements or recommendations. These data, however, do not claim to be provisions and are just suggested as the results of the discussion.

The International Electrotechnical Commission (IEC) draws attention to the fact that it is claimed that compliance with this document may involve the use of a trademark concerning Auto Loading Feeder given in 3.1.1.

- Trademark ... AUTO LOADING FEEDER™
- Trademark registration number ... No.5983611 (Japan)

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PACKAGING OF COMPONENTS FOR AUTOMATIC HANDLING –

Part 3-4: Packaging of surface mount components on continuous embossed tapes for Auto Loading Feeder

1 Scope

This part of IEC 60286 considers the proposed requirements for emboss taping for the Auto Loading Feeder mechanism to mount electric components without leads or with stump type leads used for electric circuits. This document is applicable to the embossed carrier tape, with single round sprocket holes, with tape pitches of 2 mm or more (nominal tape width: 8 mm only) among the tapes of Type 2a in IEC 60286-3.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes the statement 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.

IEC 60286-3:2019, *Packaging of components for automatic handling – Part 3: Packaging of surface mount components on continuous tapes*