

# TECHNICAL REPORT



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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**

INTERNATIONAL  
ELECTROTECHNICAL  
COMMISSION

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## INTERNATIONAL ELECTROTECHNICAL COMMISSION

**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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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

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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](http://webstore.iec.ch) in the data related to the specific document. At this date, the document will be

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- amended.

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The contents of the corrigendum 1 (2022-06) have been included in this copy.

## 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*