



Technical Report of Japan Electronics and Information Technology Industries Association

*JEITA ETR-7030*

**Technical report on emboss taping specifications required  
for AUTO LOADING FEEDER**

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## Foreword

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Technical Report of Japan Electronics and Information Technology Industries Association

# Technical report on emboss taping specifications required for AUTO LOADING FEEDER

## Introduction

This Technical Report was developed by the Technical Standardization Committee on Components Packaging, in which the members such as mounter manufacturers, component manufacturers and packaging material manufacturers had been proposing, considering and discussing the required specifications and issues for standardization on the application of Auto Loading Feeder to enable automatically exchange SMD continuous tapes using embossed carrier tape during mounter operation, aiming to support **JIS C 0806-3** [Packaging of surface mount components on continuous tapes], which was issued in 2014 based on **IEC 60286-3**, Edition 5 issued in 2013.

## 1 Scope

This Technical Report considers the proposed requirements on emboss taping for the Auto Loading Feeder mechanism to mount electric components without leads or with stump type leads used for electric circuits. This Technical Report is applicable to the embossed carrier tape, with single round sprocket holes, with tape pithes of 2mm or more (nominal tape width: 8 mm only) among the tapes as Type 2a in **JIS C 0806-3**.

## 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:

**JEITA ETR-7026:2007**, Terms of packaging for automatic mount components

**JIS C 0806-3:2014**, Packaging of components for automatic handling - Part 3: Packaging of surface mount components on continuous tapes

**Note** Corresponding **IEC** standard:

**IEC 60286-3:2013**, *Packaging of components for automatic handling - Part 3: Packaging of surface mount components on continuous tapes*

## 3 Terms, definitions and symbols

### 3.1 Terms and definitions

In addition to the applicable terms and definitions of **JEITA ETR-7026**, the following definitions apply:

#### 3.1.1

#### **Auto Loading Feeder (AUTO LOADING FEEDER)**

A tape feeder that can keep supplying components by automatically carrying a tape of resupplied SMD at the filling-in position into the components supply position just after the components in the tape of previously supplied SMD are fed up during the assembly production

**Note** Auto Loading Feeder has the mechanism that the cover tape of an SMD tape is automatically cut or peeled off to expose the pockets during the operation to supply components.