

EIA STANDARD

Mechanically-Interlocked Component Packaging for Automatic Handling

EIA-704-A

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Electronic Components Industry Association

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(From Standards Proposal No. 5396, formulated under the cognizance of the Automated Component Handling Standards Committee).

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MECHANICALLY-INTERLOCKED COMPONENT PACKAGING FOR AUTOMATIC HANDLING

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MECHANICALLY-INTERLOCKED COMPONENT PACKAGING FOR AUTOMATIC HANDLING

1 Scope

This Standard provides requirements for packaging components for automatic handling using mechanically-interlocking cover tape and carrier tape.

2 Introduction

The purpose of this Standard is to provide materials and processes necessary to package components into mechanically-interlocking cover tape and carrier tape such that they may be automatically handled. The carrier tapes are of two types: Flat carrier punched with holes patterns used to register certain component features; and embossed carrier with precision formed pockets.

3 Applicable Documents

Unless otherwise specified the following documents form a part of this standard to the extent specified herein. These procedures contain provisions that, through reference in the text, constitute normative references of these procedures. All standards are subject to revision, and parties to agreements based on these procedures are encouraged to investigate the possibility of applying the most recent editions of this document and those listed here.

EIA-383 “Preparation for the Delivery of Electrical and Electronic Components”

EIA-541 “Packaging Material Standards for ESD Sensitive Items”

EIA-556 “Electronic Industries Association Outer Shipping Container Bar Code Label Standard”

EIA-583 “Packaging Material Standards for Moisture Sensitive Items”

EIA-481 “8 mm Through 200 mm Embossed Carrier Taping and 8 mm & 12 mm Punched Carrier Taping of Surface Mount Components for Automatic Handling”

EIA-624 “Product Package Bar Code Label Standard for Non-Retail Applications”

JEP95 “JEDEC Registered and Standard Outlines for Solid State and Related Products”

4 Requirements

4.1 Carrier tapes, cover tapes, reels, and taped components must meet the requirements defined in the Figures and Tables presented herein.