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TECHNICAL SPECIFICATION

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Packaging of components for automatic handling – Part 6-1: Bulk case packaging for miniaturized surface mounting components

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PACKAGING OF COMPONENTS FOR AUTOMATIC HANDLING –

Part 6-1: Bulk case packaging for miniaturized surface mounting components

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IEC TS 60286-6-1 has been prepared by IEC technical committee 40: Capacitors and resistors for electronic equipment. It is a Technical Specification.

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

Draft	Report on voting
40/3038/DTS	40/3066/RVDTS

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 Specification 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 https://www.iec.ch/members_experts/refdocs. The main document types developed by IEC are described in greater detail at https://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- withdrawn,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 Specification was developed by the Technical Committee 40 Working group 36 on Components Packaging, in which the members such as assembly machine manufacturers, component manufacturers and packaging material manufacturers had proposed, considered and discussed the possible standardization on the application of a new type of bulk case to contain smaller sizes of SMD, aiming to supplement IEC 60286-6 Edition 2.0, issued in 2004.

NOTE For size limitations of components, see Annex A, Table A.1 and Table A.2.

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 patent concerning “storage case for surface mounting electronic components” [1].

IEC takes no position concerning the evidence, validity and scope of this patent right.

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1 Patent Application No.: PCT/JP2021/023093, published 17.06.2021

PACKAGING OF COMPONENTS FOR AUTOMATIC HANDLING –

Part 6-1: Bulk case packaging for miniaturized surface mounting components

1 Scope

This part of IEC 60286 specifies a bulk case capable of containing miniaturized surface mount components of sizes within the range of 0402M to 1005M (see Table 1 for explanation of the codes). The bulk case is designed for transport and storage of components and to supply of components directly or by an appropriate feeder to the placement machine. The bulk case is equipped with a coupling interface to enable its automatic handling, e.g. by a robot or automatic handling machines.

2 Normative references

There are no normative references in this document.