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**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB/T 16261-2017

Replacing GB/T 16261-1996

General specification for printed circuit boards

印制板总规范

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Table of Contents

- 1 Scope
- 2 Normative reference documents
- 3 Terms and definitions
- 4 Specification architecture and application level

Foreword

This standard is drafted in accordance with the rules given in GB/T 1.1-2009. This standard replaces GB/T 16261-1996 "Printed board general specification". This standard and GB/T 16261-1996 compared to the following changes. - Chapter 1 clarifies that "This standard specifies the specification of the printed circuit board, the application level, the order of the procurement documents, Quasi, identification and quality consistency test and other quality assessment procedures and delivery preparation, etc. "; - Chapter 2 normative reference documents added to the reference GB/T 19001, the corresponding standard to increase the relevant quality management and assessment content; - Chapter 3 increases the definition of product capacity and process capability; - Chapter 4 increases the specification of the architecture and product level of application; -

5.2 increased the priority of the use of the document;

5.4 to increase the rules of the rules of development;

5.5 increased the provisions of the material;

5.6 increase the design requirements;

5.7 the provisions of the logo;

6.2 the provisions of the test equipment and inspection equipment;

6.3 increase the provisions of the material inspection; -

6.4 Increased contracting requirements;

6.8 The grouping test of quality consistency test in the old standard (divided into group A, group B, group C, group D test), change to quality Consistency test includes batch inspection and periodic inspection, and in the batch test to give a specific sampling program;

6.8.6 The test is divided into eight categories; - move the approval process to Appendix A;

--- increase the contents of the Appendix B approval approval. Please note that some of the

contents of this document may involve patents. The issuer of this document does not assume responsibility for the identification of these patents. This standard is proposed by the Ministry of Industry and Information Technology of the People's Republic of China. This standard by the National Printed Circuit Standardization Technical Committee (SAC/TC47) centralized. The drafting unit of this standard. China Electronics Technology Group Corporation 15th Institute, China Electronic Technology Standardization Research Institute. The main drafters of this standard. Guo Xiaoyu, Gong Zhihong, Jiang Pei'an, Chen Yingshu, Cao Yi. This standard replaced the previous version of the standard release.

--- GB/T 16261-1996. Printed board general specification

1 Scope

GB/T 16261-2017 is the Chinese national standard on general specification for printed circuit boards, in the field of electronics. The /T suffix marks it as a recommended standard: it is not compulsory by itself, but it becomes binding as soon as a contract, a tender or a customer specification calls it up - which in practice is how most foreign buyers meet it. It was issued on 31 May 2017 by the General Administration of Quality Supervision, Inspection and Quarantine of the People's Republic of China; Standardization Administration of China, and has been in force since 1 December 2017. Classification: ICS 31.180, CCS L30. This page is published from the official record of the standard held by the Chinese standards administration: the identification, the dates, the classification and the issuing body are taken from there. The clause text, the tables and the numeric limits are in the document itself, which is delivered complete in English translation.

This standard specifies the standard structure of the printed circuit board, the application level, the order of procurement documents and other requirements, the ability to approve, identify the approval and quality Consistency testing and other quality assessment requirements and delivery preparation. This standard applies to the printing plate for the system of product capacity and its ability to assess and approve; for printed circuit board system and customers for the Manufacture and procurement of printed boards to establish assessment systems and procedures; also applies to the development of printed circuit board specifications and printed board procurement documents.

2 Normative reference documents

The following documents are indispensable for the application of this document. For dated references, only the dated edition applies to this article Pieces. For undated references, the latest edition (including all modifications) applies to this document.

GB/T 2036 printed circuit terminology Methods of test for printed boards GB/T 4677-2002

GB/T 19001 quality management system requirements

3 Terms and definitions

The following definitions and definitions as defined in ISO /IEC 1536 are applicable to this document.

3.1 Product capacity The ability to process a specified characteristic product includes the maximum size of the printed board, the maximum plate thickness ratio, Line minimum width and spacing, the maximum number of layers and so on.

3.2 Process capacity Processing of printed circuit board technology, such as computer-aided design, electroplating copper technology, electroplating lead-tin process, resistance welding process, machining ability.

4 Specification architecture and application level

4.1 specification architecture The specifications involved in printed circuit boards are divided into the following four levels, including.

- a) basic standards (such as terms and definitions, test methods, etc.);
- b) General specification (this specification);
- c) sub-standard (such as rigid single-sided printed circuit board, rigid multi-layer printed circuit board, flexible single-sided printed circuit board, flexible and rigid multi-layer printed circuit board, Microwave printed circuit boards, high-density interconnect PCB, etc.);

Note. sub-norms in accordance with the type of printed circuit board, and other new types of printed circuit board can continue to improve the sub-norms.

- d) procurement documents or detailed specifications.