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**NATIONAL STANDARD OF THE
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Electronics assembly technology - Electronic modules

电子装联技术 电子模块

(English Translation)

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Table of Contents

Preface
1 Scope
2 Normative references
3 Terms and Definitions
4 Business models and interfaces between suppliers and users
4.1 Business Model
4.2 SU interface
4.3 Scope of electronic module standardization
5 Preferred Rating
5.1 General requirements
5.2 Optimal operating temperature range
5.3 Preferred rated voltage
6 Test and test methods
6.1 Standard atmospheric conditions
6.2 Electrical performance test
6.3 Mechanical properties test
6.4 Climate environment test
Reference

Foreword

This document is in accordance with the provisions of GB/T 1.1-2020 "Guidelines for standardization work Part 1: Structure and drafting rules for standardization documents" Drafting.

This document is modified to adopt IEC 62421:2007 "Electronic assembly technology - Electronic modules".

This document has made the following structural adjustments compared to IEC 62421:2007.

---Terms 3.1 to 3.3 correspond to terms 3.1, 3.3 and 3.5 of IEC 62421:2007.

The technical differences between this document and IEC 62421:2007 and their reasons are as follows.

--- ISO 3 (see 5.3) has been replaced by the normative reference GB/T 321 to adapt to my

country's technical conditions and increase operability.

GB/T 2423.28 --- Replaced IEC 60068-2-21 (see 6.3.1) with the normative reference GB/T 2423.60,

IEC 60068-2-20 (see 6.3.2 and 6.3.3) and SJ/T 11200 replaced IEC 60068-2-58 (see 6.3.2 and 6.3.3) to Adapt to my country's technical conditions and increase operability.

--- The normative reference GB/T 2423.5 replaces IEC 60068-2-27 (see 6.3.4), GB/T 2423.10 replaces

IEC 60068-2-6 (see 6.3.5), GB/T 2423.30 replaced IEC 60068-2-45 (see 6.3.6) to adapt to my country's technical standards. Technical conditions and increase operability.

--- The normative reference GB/T 2423.2 replaces IEC 60068-2-2 (see 6.4.1), and GB/T 2423.1 replaces

IEC 60068-2-1 (see 6.4.2), GB/T 2423.3 replaces IEC 60068-2-78 (see 6.4.3), GB/T 2423.22 replaces Changed to IEC 60068-2-14 (see 6.4.4) to adapt to my country's technical conditions and increase operability;

--- Deleted two terms from IEC 62421:2007 (see 3.2 and 3.4 of IEC 62421:2007) because the two terms are in the text Not mentioned. The following editorial changes were made to this document.

--- Add the headers in "Table 1". Low temperature preferred value (°C), High temperature preferred value (°C) to comply with GB/T 1.1-2020 for the table Require.

1 Scope

This document specifies the definitions, business models, interfaces between business partners, the relevant scope of electronic module standardization and a series of common test General requirements for electronic modules such as test methods.

This document applies to the production, manufacture, testing and acceptance of electronic modules.

2 Normative references

The contents of the following documents constitute essential clauses of this document through normative references in this document.

For referenced documents without a date, only the version corresponding to that date applies to this document; for referenced documents without a date, the latest version (including all amendments) applies to This document.

GB/T 321 Priority numbers and priority number systems (GB/T 321-2005, ISO 3:1973, IDT)

GB/T 2421-2020 Overview and Guidelines for Environmental Testing (IEC 60068-1:2013, IDT)

Note: There is no technical difference between the referenced content of GB/T 2421-2020 and the referenced content of IEC 60068-1:1988.

GB/T 2423.1 Environmental testing for electric and electronic products Part 2: Test methods Test A. Low temperature (GB/T 2423.1-2008, IEC 60068-2-1:2007, IDT)

GB/T 2423.2 Environmental testing for electric and electronic products Part 2: Test methods Test B. High temperature (GB/T 2423.2-2008, IEC 60068-2-2:2007, IDT)

GB/T 2423.3 Environmental testing Part 2: Test method Test Cab. Steady state damp heat test (GB/T 2423.3-2016, IEC 60068-2-78:2012, IDT)

GB/T 2423.5 Environmental testing Part 2: Test method Test Ea and guidance. Impact (GB/T 2423.5-2019, IEC 60068-2-27:2008, IDT)

GB/T 2423.10 Environmental testing Part 2: Test method Test Fc. Vibration (sinusoidal) (GB/T 2423.10-2019, IEC 60068-2-6:2007, IDT)

GB/T 2423.22 Environmental testing Part 2: Test method Test N. Temperature change (GB/T 2423.22-2012, IEC 60068-2-14:2009, IDT)

GB/T 2423.28 Environmental testing for electric and electronic products Part 2: Test methods Test T. Soldering (GB/T 2423.28-2005, IEC 60068-2-20:1979, IDT)

GB/T 2423.30 Environmental testing Part 2: Test methods Test XA and guidance. Immersion in cleaning agents (GB/T 2423.30-2013, IEC 60068-2-45:1980/Amd1.1993, MOD)

GB/T 2423.60 Environmental testing for electric and electronic products Part 2: Test methods Test U. Strength of lead terminals and integral mounting parts Degree (GB/T 2423.60-2008, IEC 60068-2-21:2006, IDT)

SJ/T 11200 Environmental testing Part 2-58. Test Test Td. Solderability of surface mounted components, corrosion resistance of metallization layers and Test method for resistance to soldering heat (SJ/T 11200-2016, IEC 60068-2-58:2004, MOD)