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**Graphical symbols for diagrams —
Part 1: General information, general
index, cross-reference tables**

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Foreword

This Japanese Industrial Standard has been revised by the Minister of Economy, Trade and Industry through deliberations at the Japanese Industrial Standards Committee as the result of proposal for revision of Japanese Industrial Standard submitted by Japanese Standards Association (JSA) with a draft being attached, based on the provision of Article 12, paragraph (1) of the Industrial Standardization Act applied *mutatis mutandis* pursuant to the provision of Article 16 of the said Act. This edition replaces the previous edition (**JIS C 0617-1** : 2011), which has been technically revised.

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JIS C 0617 series consists of the following 13 parts under the general title *Graphical symbols for diagrams* — :

Part 1: General information, general index, cross-reference tables

Part 2: Symbol elements, qualifying symbols and other symbols having general application

Part 3: Conductors and connecting devices

Part 4: Passive components

Part 5: Semiconductors and electron tubes

Part 6: Production and conversion of electrical energy

Part 7: Switchgear, controlgear and protective devices

Part 8: Measuring instruments, lamps and signalling devices

Part 9: Telecommunications: Switching and peripheral equipment

Part 10: Telecommunications — Transmission

Part 11: Architectural and topographical installation plans and diagrams

Part 12: Binary logic elements

Part 13: Analogue elements

Graphical symbols for diagrams — Part 1: General information, general index, cross-reference tables

1 Scope

This Japanese Industrial Standard specifies the general information of graphical symbols for diagrams specified in the standard series of **JIS C 0617**.

NOTE The indices and cross-reference tables of graphical symbols of respective parts that constitute the standard series of **JIS C 0617** are given in Annexes A to D.

2 Normative references

Part or all of the provisions of the following standards, through reference in this text, constitute provisions of this Standard. The most recent editions of the standards (including amendments) indicated below shall be applied.

JIS C 0452-2 *Industrial systems, installations and equipment and industrial products — Structuring principles and reference designations — Part 2: Classification of objects and codes for classes*

JIS C 0617 (all parts) *Graphical symbols for diagrams*

JIS C 1082-1 *Preparation of documents used in electrotechnology — Part 1: General requirements*

JIS Z 8222-1 *Design of graphical symbols for use in the technical documentation of products — Part 1: Basic rules*

JIS Z 8222-2 *Design of graphical symbols for use in the technical documentation of products — Part 2: Specification for graphical symbols in a computer sensible form, including graphical symbols for a reference library, and requirements for their interchange*

IEC 60617 DB *Graphical symbols for diagrams*

3 Structure

The standard series of **JIS C 0617** consists of several parts as set out below.

Part 1: *General information, general index, cross-reference tables*

Part 2: *Symbol elements, qualifying symbols and other symbols having general application*

Example 1 Outlines and enclosures, qualifying symbols for the kind of current and voltage, variability, direction of force, motion and flow etc., mechanical controls, earth and frame connections, ideal circuit elements.

Part 3: *Conductors and connecting devices*