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

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## Foreword

This translation has been made based on the original Japanese Industrial Standard revised by the Minister of Economy, Trade and Industry through deliberations at the Japanese Industrial Standards Committee in accordance with the Industrial Standardization Law.

Consequently **JIS C 0617-1:1999** is replaced with this Standard.

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Attention is drawn to the possibility that some parts of this Standard may conflict with a patent right, application for a patent after opening to the public or utility model right. The relevant Minister and the Japanese Industrial Standards Committee are not responsible for identifying the patent right, application for a patent after opening to the public or the utility model right.

**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 Annex A to Annex D.

## 2 Normative references

The following standards contain provisions which, 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 (standard series) *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 *Graphical symbols for diagrams—12-month subscription to online database comprising parts 2 to 13 of IEC 60617*

## 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*

Example 2 Conductors; flexible, screened or twisted, coaxial conductor, terminals, junctions, plugs and sockets, cable sealing ends.