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

GB 12041.3-2008

Replacing GB/T 12043-1989

**Information technology -- Chinese ideogram coded character
set (basic set). 48 dot matrix font -- Part 3: Kai Ti**

信息技术 汉字编码字符集（基本集） 48点阵字型 第3部分：楷体
(English Translation)

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Foreword

In addition to all the technical word Table 1-11 GB 12041 area content of this section is mandatory.

GB 12041 "Information technology - Chinese ideogram coded character set (basic set) - 48 dot matrix font" is divided into four parts.

Part 1. Arial;

Part 2. blackbody;

Part 3. italics;

Part 4. italics.

This is Part 3 GB 12041's.

The provisions of section 48 of the dot matrix Chinese character fonts on a "first VARIANT," and "Simplified summary table", "Chinese Characters General Printing

Table "and" Modern Chinese generic word table "(see reference) as the basis, designed in accordance with current Chinese Characters consolidation principles.

This part replace and repeal GB/T 12043-1989 from the implementation date.

This part is the GB/T 12043-1989 of amendments, GB/T 12043-1989 is based on GB 2312-1980 "for information interchange Chinese character set encoding basic set" developed. This section compared with the GB/T 12043-1989 major changes. In order to further improve the word Harmonization of type and quality assurance standards between this part of the increase part of the character specified in GB 2312-1980; to the last version Incorrect Kanji fonts have also been amended.

This section of the Appendix A, Appendix B is a normative appendix.

This section proposed by the People's Republic of China Ministry of Information Industry.

This part of the jurisdiction of the China Electronics Standardization Institute.

Introduction

Authorization to use the relevant font data transfer matters, to maintain the standard font data, updating and revision of unity is responsible for the centralized units.

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Information technology - Chinese ideogram coded character set (basic set) 48 dot matrix font - Part 3. italics

1 Scope

GB 12041 of the provisions of this part of GB 2312-1980 "basic set of information exchange with Chinese character coded character set" in the graphic characters 48 dot matrix font italics.

This section applies to a variety of electronic information products, all kinds of digital products, can also be used for other related equipment.

2 Normative references

The following documents contain provisions which, through reference in this Part of GB 12041, constitute provisions of this part. Cited documents dated, its all subsequent amendments (not including errata content) or revisions do not apply to this section, however, encourage each agreement under this section are Prescriptions can use the latest versions of these documents. For undated reference documents, the latest versions apply to this section.

GB 2312-1980 exchange of information with Chinese characters coded character set basic set

3 Terms and Definitions

The following terms and definitions apply to this part of GB 12041.

One kind of recognizable abstract graphic symbol, it does not depend on any particular design.

Glyph image set having the same basic design, such as. italics.

In a collection of dots to show the graphic character type (shape).

Graphic character in the set are arranged according to certain rules of order.

4 Character graphics character

According to the provisions of GB 2312-1980, it provided appropriate.

Zone 1 to 9 area of foreign letters and other graphic characters 682;

District 16 to 55 region of the first stage characters 3755;

District 56 to 87 region of the second stage 3008 characters.

Also in the District 8 27-32 supplemented with 6 characters; 10 District 01-94 supplemented with 94-byte graphic characters; 11 District 01 Bit to 32-bit pinyin supplemented with 32 half-width characters, see Appendix A.

This section provides a total graphic character 7577.

5 Standard data management

To strengthen the management of electronic information technology products use standard Chinese character font data to ensure the correctness of the implementation of this part of the data and a Consistency to authorize the use of font data transfer matters, to maintain the standard font data, updating and revision of unity is responsible for the centralized units.

The method represents bitmap fonts

6.1 Grid

Equidistant grid by a number of vertical and horizontal lines intersect to form.

The provisions of section 48 bitmap fonts, which is a lateral grid 48 grid, 48 longitudinal grid. The center of each square is set at the center position of the point.

Raster Only constituting the lattice points are positioned 48 lattice grid shown in Figure 1.

Figure 1 48 dot raster

6.2 Points

Point is the smallest unit constituting the lattice-shaped, circular indicated that it is located within the black areas of the parties to the grid.

6.3 Lattice words

Word character dot-matrix font by the number of points placed within the grid set to represent. Chinese character "Yong" word lattice 48 shown in Figure 2.

Figure 2 48 dot matrix Chinese word "never" in

6.4 Font data

48 dot font data representation, see Appendix B.

Table 6.5 bitmap fonts

This section provides 7445 characters/graphic characters and supplementary provisions of GB 2312-1980 132 48 dot matrix graphic character Italics font.

This part of the bitmap fonts are listed below.

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Appendix A

(Normative)

Supplementary characters this section is based on GB 2312-1980 "information exchange with Chinese character set encoding basic set" as the basis to develop. Depending on need to before GB 2312-1980 revised in this part of the character following additions.

132 supplementary characters are as follows.

8-27 to 8-32 supplement anng.

10-01 to 10-94 supplementary 94-byte graphic characters, their order and Table 1 GB 2312-1980 "graphic character code

Table "Zone 3 correspondence, font width corresponding to the width of the third region shaped 1/2.

11-01 to 11-32 Pinyin Rao added, e, i, o, u, ü four tones and half-width characters e, a, , n, n, , g half-width characters, row Column order in this area - Part 8 01-32 of 32 characters correspond, font width corresponding section 8-shaped area the width of 1/2.

Appendix B

(Normative)