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**Information technology — Universal
Multiple-Octet Coded Character Set
(UCS) —**

Part 1:

Architecture and Basic Multilingual Plane

**AMENDMENT 1: Mathematical symbols and
other characters**

*Technologies de l'information — Jeu universel de caractères codés sur
plusieurs octets (JUC) —*

Partie 1: Architecture et plan multilingue de base

AMENDEMENT 1: Symboles mathématiques et autres caractères

Reference number
ISO/IEC 10646-1:2000/Amd.1:2002(E)



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Case postale 56 • CH-1211 Geneva 20
Tel. + 41 22 749 01 11
Fax + 41 22 749 09 47
E-mail copyright@iso.ch
Web www.iso.ch

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Foreword

ISO (the International Organization for Standardization) and IEC (the International Electrotechnical Commission) form the specialized system for worldwide standardization. National bodies that are members of ISO or IEC participate in the development of International Standards through technical committees established by the respective organization to deal with particular fields of technical activity. ISO and IEC technical committees collaborate in fields of mutual interest. Other international organizations, governmental and non-governmental, in liaison with ISO and IEC, also take part in the work. In the field of information technology, ISO and IEC have established a joint technical committee, ISO/IEC JTC 1.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 3.

The main task of the joint technical committee is to prepare International Standards. Draft International Standards adopted by the joint technical committee are circulated to national bodies for voting. Publication as an International Standard requires approval by at least 75 % of the national bodies casting a vote.

Attention is drawn to the possibility that some of the elements of this Amendment may be the subject of patent rights. ISO and IEC shall not be held responsible for identifying any or all such patent rights.

Amendment 1 to International Standard ISO/IEC 10646-1:2000 was prepared by Joint Technical Committee ISO/IEC JTC 1, *Information technology*, Subcommittee SC 2, *Coded character sets*.

This corrected version of ISO/IEC 10646-1:2000/Amd.1:2002 includes the electronic attachments that were omitted in the original version.

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Information technology — Universal Multiple-Octet Coded Character Set (UCS) —

Part 1:

Architecture and Basic Multilingual Plane

AMENDMENT 1: Mathematical symbols and other characters

Page v, Foreword

Replace:

— Part 2: Secondary Multilingual Plane for scripts and symbols, Supplementary Plane for CJK Ideographs, Special Purpose Plane

by:

— Part 2: Supplementary Planes

Remove the text “Additional parts will specify other planes”.

Page 2, clause 3

Append the following references:

ISO/IEC 10646-2:2001, Information Technology — Universal Multiple-Octet Coded Character Set (UCS) — Part 2: Supplementary Planes.

Unicode Standard Annex, UAX#9, The Unicode Bidirectional Algorithm, Version 3.1.0, 2001-03-23.

Page 6, figure 2

In the legend “Private use planes 0F, 10, E0-FF” delete “E0-FF”, and delete the upward arrows pointing to planes E0 to FF.

Page 7, clause 6

Change “four-digit form” and “4-digit form” to “four-to-six-digit form” throughout.

In clause 6.5, replace title, first paragraph and add note as follows:

6.5 Short identifiers for code positions (UIDs)

ISO/IEC 10646 defines short identifiers for each code position, including code positions that are reserved. A short identifier for any code position is distinct from a short identifier for any other code position. If a character is allocated at a code position, a

short identifier for that code position can be used to refer to the character allocated at that code position.

NOTE 1 — For instance, U+DC00 identifies a code position that is permanently reserved for UTF-16, and U+FFFF identifies a code position that is permanently reserved. U+0025 identifies a code position to which a character is allocated; U+0025 also identifies that character (named PERCENT SIGN).

Rename the existing note to NOTE 2, and increment all other note numbers of the sub-clause by one (NOTE 3 and 4).

In clause 6.5.b change “It is not defined if the first four digits of the eight-digit form are not all zeros” to “It is not defined if the eight-digit form is greater than 0010FFFF” and append at the end of the text “Leading zeros beyond four digits are suppressed.”.

Change “{+}xxxx” in the BNF form to “{+}(xxxx | xxxxx | xxxxxx)”.

Add a clause 6.5f:

- f. For the 8 digit forms, the characters SPACE or NO-BREAK SPACE may optionally be inserted before the four last digits.

Page 8, clause 6

After clause 6.5, add a new clause 6.6 (UCS Sequence Identifiers) and a note:

“ISO/IEC 10646 defines an identifier for any sequence of code positions taken from the standard. Such an identifier is known as a UCS Sequence Identifier (USI). For a sequence of n code positions it has the following form:

<UID1, UID2, ..., UIDn>

where UID1, UID2, etc. represent the short identifiers of the corresponding code positions, in the same order as those code positions appear in the sequence. If each of the code positions in such a sequence has a character allocated to it, the USI can

be used to identify the sequence of characters allocated at those code positions. The syntax for UID1, UID2, etc. is specified in clause 6.5. A COMMA character (optionally followed by a SPACE character) separates the UIDs. The UCS Sequence Identifier shall include at least two UIDs; it shall begin with a LESS-THAN SIGN and be terminated by a GREATER-THAN SIGN.”

NOTE – UCS Sequences Identifiers cannot be used for specification of subset and collection content. They may be used outside this standard to identify: composite sequences for mapping purposes, font repertoire, etc.

Page 8, clause 7

Remove the note.

Page 8, Clause 8

Insert the following note after the first paragraph which ends “UCS-2 (see 13.1)”.

NOTE 1 – Since UCS-2 only contains the repertoire of the BMP it is not fully interoperable with UCS-4, UTF-8 and UTF-16.

Insert the following paragraph and note after the second paragraph which ends “reserved for control characters.”

Code positions 0000 2060 to 0000 206F, 0000 FFF0 to 0000 FFFC, and 000E 0000 to 000E 0FFF are reserved for Alternate Format Characters (see annex F).

NOTE 2 – Unassigned code positions in those ranges may be ignored in normal processing and display.

Replace the last paragraph as follows:

Code positions 0000 FDD0 to 0000 FDEF, 0000 FFFE, and 0000 FFFF are permanently reserved.

NOTE 3 – Code position 0000 FFFE is reserved for “signature” (see annex H). Code positions 0000 FDD0 to 0000 FDEF, and 0000 FFFF can be used for internal processing uses requiring numeric values which are guaranteed not to be coded characters, such as in terminating tables, or signaling end-of-text. Furthermore, since 0000 FFFF is the largest BMP value, it may also be used as the final value in binary or sequential searching index within the context of UCS-2 or UTF-16.”

NOTE 4 – A “permanently reserved” code position cannot be changed by future amendments.

Page 8, clause 9

Replace clause 9 to read as follows:

9. Other planes

9.1 Planes reserved for future standardization

Planes 11 to FF in Group 00 and all planes in any other groups (i.e. Planes 00 to FF in Groups 01 to 7F) are reserved for future standardization, and thus those code positions shall not be used for any other purpose.

Code positions in these planes do not have a mapping to the UTF-16 form (see Annex C).

NOTE – To ensure continued interoperability between the UTF-16 form and other coded representations of the UCS, it is intended that no characters will be allocated to code positions in Planes 11 to FF in Group 00 or any planes in any other groups.

9.2 Planes accessible by UTF-16

Each code position in Planes 01 to 10 of Group 00 has a unique mapping to a four-octet sequence in accordance with the UTF-16 form of coded representation (see annex C). This form is compatible with the two-octet BMP form of UCS-2 (see 13.1).

Page 8, clause 10

Replace sub-clause 10.2 to read as follows:

10.2 Code positions for private use characters

The code positions of Plane 0F and Plane 10 of Group 00 shall be for private use.

The 6400 code positions E000 to F8FF of the Basic Multilingual Plane shall be for private use.

The contents of these code positions are not specified in ISO/IEC 10646 (see 10.1).

Page 9, clause 14

In the first paragraph, change the text “listed in annex B” to “listed in annex B of each part of ISO/IEC 10646”.

Page 9, clause 14.1

Change the text “(see clause B.1)” to “(see clause B.1 of each part of ISO/IEC 10646)”.

Page 9, clause 14.2

Change the text “listed in clause B.2” to “listed in clause B.2 of each part of ISO/IEC 10646”.

Page 12, clause 19

Add a new clause 19.1 at the end of clause 19.

19.1 Directional of bi-directional text

The Unicode Bidirectional Algorithm describes the algorithm used to determine the directionality for bidirectional text.

Page 13, Clause 22 Compatibility characters

Add the following sub-clauses:

22.1 Compatibility Ideographs

The CJK compatibility ideographs (characters part of the CJK COMPATIBILITY IDEOGRAPHS-2001 collection) are ideographs that should have been unified with one of the CJK unified ideographs (characters part of the CJK UNIFIED IDEOGRAPHS-2001 collection), per the unification rule described in Annex S of this International Standard.

However, they are included in this International Standard as separate characters, because, based on various national, cultural, or historical reason for some specific country and region, some national and regional standards assign separate code positions for them.

NOTE – For this reason, compatibility ideographs should only be used for maintaining and guaranteeing a round trip conversion with the specific national, regional, or other standard. Other usage is strongly discouraged.

22.2 Source references for CJK Compatibility Ideographs

ISO/IEC 10646-1 provides the source reference for CJK Compatibility Ideographs included in the Basic Multilingual Plane. ISO/IEC 10646-2 provides the source reference for CJK Compatibility Ideographs included in the Supplementary Planes.

The source references for the CJK Compatibility Ideographs included in the BMP are provided in a machine-readable format that is accessible as a link to this document. The content pointed to by this link is also normative.

NOTE 1 – The referenced file is only available to users who obtain their copy of the standard in a machine-readable form. However, the file format makes it printable.

The Kanji J sources are:

J3 JIS X 213:2000 level-3

J4 JIS X 213:2000 level-4

The Hanja K source is:

K0 KS C 5601-1987

The Unicode U source is:

U0 The Unicode Standard 3.0-2000

The content linked to is a plain text file that specifies, after a 8-line header, as many lines as CJK Compatibility Ideographs; each containing the following information organized in fixed width fields:

- 01-06 octet: BMP code value (0hhhh)
- 07-12 octet: Corresponding CJK Unified Ideograph (0hhhh).

- 13-20 octet: Kanji J sources (J3-hhhh), (J4-hhhh).
- 21-28 octet: Hanja K sources (K0-hhhh).
- 29-36 octet : Unicode U sources (U0-hhhh)

The format definition uses 'h' as a hexadecimal unit. Uppercase characters and all other symbols including the space character between parentheses appear as shown.

[Click on this highlighted text to access the reference file.](#)

NOTE 2 – The content is also available as a separate viewable file in the same file directory as this document. The file is named: "CJKCOSR.txt".

Page 13, clause 24

In the first paragraph, change the text "clause B.1" to "clause B.1 of each part of ISO/IEC 10646", and change the text "clause B.2" to "clause B.2 of each part of ISO/IEC 10646".

Page 14, clause 24

A sub-clause 24.5 is added to the clause 24 Combining Characters as follows:

24.5 Variation selectors

Variation selectors are combining characters following immediately a specific base character to indicate a specific variant form of graphic symbol for that character. Some variation selectors are specific to a script, such as the Mongolian free variation selectors, others are used with various other base characters such as the mathematical symbols. Variations selectors following other characters have no effect on the selection of the graphic symbol for that character.

No sequences using characters from VARIATION SELECTOR-2 to VARIATION SELECTOR-16 are defined at this time.

The following table provides a description of the variant appearances corresponding to the use of appropriate variation selectors with all allowed base mathematical symbols.

NOTE 1 – The VARIATION SELECTOR-1 is the only variation selector used with mathematical symbols.

Sequence (UID notation)	Description of variant appearance
<2229, FE00>	INTERSECTION with serifs
<222A, FE00>	UNION with serifs
<2268, FE00>	LESS-THAN BUT NOT EQUAL TO with vertical stroke
<2269, FE00>	GREATER-THAN AND NOT DOUBLE EQUAL with vertical stroke

<2272, FE00>	LESS-THAN OR EQUIVALENT TO following the slant of the lower leg
<2273, FE00>	GREATER-THAN OR EQUIVALENT TO following the slant of the lower leg
<2278, FE00>	NEITHER LESS-THAN NOR GREATER-THAN with vertical stroke
<2279, FE00>	NEITHER GREATER-THAN NOR LESS-THAN with vertical stroke
<228A, FE00>	SUBSET OF WITH NOT EQUAL TO with stroke through bottom members
<228B, FE00>	SUPERSET OF WITH NOT EQUAL TO with stroke through bottom members
<2293, FE00>	SQUARE CAP with serifs
<2294, FE00>	SQUARE CUP with serifs
<2295, FE00>	CIRCLED PLUS with white rim
<2297, FE00>	CIRCLED TIMES with white rim
<229C, FE00>	CIRCLED EQUALS equal sign touching the circle
<22DA, FE00>	LESS-THAN EQUAL TO OR GREATER-THAN with slanted equal
<22DB, FE00>	GREATER-THAN EQUAL TO OR LESS-THAN with slanted equal
<2A3C, FE00>	INTERIOR PRODUCT tall variant with narrow foot
<2A3D, FE00>	RIGHTHAND INTERIOR PRODUCT tall variant with narrow foot
<2A9D, FE00>	SIMILAR following the slant of the upper leg OR LESS-THAN
<2A9E, FE00>	SIMILAR following the slant of the upper leg OR GREATER-THAN
<2AAC, FE00>	SMALLER THAN OR EQUAL TO with slanted equal
<2AAD, FE00>	LARGER THAN OR EQUAL TO with slanted equal
<2ACB, FE00>	SUBSET OF ABOVE NOT EQUAL TO with stroke through bottom members
<2ACC, FE00>	SUPERSET OF ABOVE NOT EQUAL TO with stroke through bottom members

The following table provides a description of the variant appearances corresponding to the use of appropriate variation selectors with all allowed base Mongolian characters. Only some presentation forms of the base Mongolian characters used with the Mongolian free variation selectors produce variant appearances. These combinations are described in the following table.

NOTE 2 – The Mongolian characters have various presentation forms depending on their position in a CC-data element. These presentations forms are called isolate, initial, medial and final.

<u>Sequence (UID notation)</u>	<u>position</u>	<u>Description of variant appearance</u>
<1820, 180B>	isolate, medial, final	MONGOLIAN LETTER A second form
<1820, 180C>	medial	MONGOLIAN LETTER A third form
<1821, 180B>	initial, final	MONGOLIAN LETTER E second form

<1822, 180B>	medial	MONGOLIAN LETTER I second form
<1823, 180B>	medial, final	MONGOLIAN LETTER O second form
<1824, 180B>	medial	MONGOLIAN LETTER U second form
<1825, 180B>	medial, final	MONGOLIAN LETTER OE second form
<1825, 180C>	medial	MONGOLIAN LETTER OE third form
<1826, 180B>	isolate, medial, final	MONGOLIAN LETTER UE second form
<1826, 180C>	medial	MONGOLIAN LETTER UE third form
<1828, 180B>	initial, medial	MONGOLIAN LETTER NA second form
<1828, 180C>	medial	MONGOLIAN LETTER NA third form
<1828, 180D>	medial	MONGOLIAN LETTER NA separate form
<182A, 180B>	final	MONGOLIAN LETTER BA alternative form
<182C, 180B>	initial, medial	MONGOLIAN LETTER QA second form
<182C, 180B>	isolate	MONGOLIAN LETTER QA feminine second form
<182C, 180C>	medial	MONGOLIAN LETTER QA third form
<182C, 180D>	medial	MONGOLIAN LETTER QA fourth form
<182D, 180B>	initial, medial	MONGOLIAN LETTER GA second form
<182D, 180B>	final	MONGOLIAN LETTER GA feminine form
<182D, 180C>	medial	MONGOLIAN LETTER GA third form
<182D, 180D>	medial	MONGOLIAN LETTER GA feminine form
<1830, 180B>	final	MONGOLIAN LETTER SA second form
<1830, 180C>	final	MONGOLIAN LETTER SA third form
<1832, 180B>	medial	MONGOLIAN LETTER TA second form
<1833, 180B>	initial, medial, final	MONGOLIAN LETTER DA second form
<1835, 180B>	final	MONGOLIAN LETTER JA second form
<1836, 180B>	initial, medial	MONGOLIAN LETTER YA second form
<1836, 180C>	medial	MONGOLIAN LETTER YA third form
<1838, 180B>	final	MONGOLIAN LETTER WA second form
<1844, 180B>	medial	MONGOLIAN LETTER TODO E second form
<1845, 180B>	medial	MONGOLIAN LETTER TODO I second form
<1846, 180B>	medial	MONGOLIAN LETTER TODO O second form

<1847, 180B>	isolate, medial, final	MONGOLIAN LETTER TODO U second form
<1847, 180C>	medial	MONGOLIAN LETTER TODO U third form
<1848, 180B>	medial	MONGOLIAN LETTER TODO OE second form
<1849, 180B>	isolate, medial	MONGOLIAN LETTER TODO UE second form
<184D, 180B>	initial, medial	MONGOLIAN LETTER TODO QA feminine form
<184E, 180B>	medial	MONGOLIAN LETTER TODO GA second form
<185D, 180B>	medial, final	MONGOLIAN LETTER SIBE E second form
<185E, 180B>	medial, final	MONGOLIAN LETTER SIBE I second form
<185E, 180C>	medial, final	MONGOLIAN LETTER SIBE I third form
<1860, 180B>	medial, final	MONGOLIAN LETTER SIBE UE second form
<1863, 180B>	medial	MONGOLIAN LETTER SIBE KA second form
<1868, 180B>	initial, medial	MONGOLIAN LETTER SIBE TA second form
<1868, 180C>	medial	MONGOLIAN LETTER SIBE TA third form
<1869, 180B>	initial, medial	MONGOLIAN LETTER SIBE DA second form
<186F, 180B>	initial, medial	MONGOLIAN LETTER SIBE ZA second form
<1873, 180B>	medial, final	MONGOLIAN LETTER MANCHU I second form
<1873, 180C>	medial, final	MONGOLIAN LETTER MANCHU I third form
<1873, 180D>	medial	MONGOLIAN LETTER MANCHU I fourth form
<1874, 180B>	medial	MONGOLIAN LETTER MANCHU KA second form
<1874, 180B>	final	MONGOLIAN LETTER MANCHU KA feminine first form
<1874, 180C>	medial	MONGOLIAN LETTER MANCHU KA feminine first form
<1874, 180C>	final	MONGOLIAN LETTER MANCHU KA feminine sec- ond form
<1874, 180D>	medial	MONGOLIAN LETTER MANCHU KA feminine sec- ond form
<1876, 180B>	initial, medial	MONGOLIAN LETTER MANCHU FA second form
<1880, 180B>	all	MONGOLIAN LETTER ALI GALI ANUSVARA ONE sec- ond form
<1881, 180B>	all	MONGOLIAN LETTER ALI GALI VISARGA ONE sec- ond form
<1887, 180B>	isolate, final	MONGOLIAN LETTER ALI GALI A second form
<1887, 180C>	final	MONGOLIAN LETTER ALI GALI A third form

<1887, 180D>	final	MONGOLIAN LETTER ALI GALI A fourth form
<1888, 180B>	final	MONGOLIAN LETTER ALI GALI I second form
<188A, 180B>	initial, medial	MONGOLIAN LETTER ALI GALI NGA second form

NOTE 3 – The variation selector only selects a different *appearance* of an already encoded character. It is not intended as a general code extension mechanism. Only the sequences specifically defined in this annex are sanctioned for standard use; all other sequences are undefined. No sequences containing combining characters or composite characters will be defined.

NOTE 4 – The exhaustive list of standardized variants is also described as *StandardizedVariants.html* in the Unicode character database.

Page 880, Annex A.1

Add a "*" (for fixed collection) to the following collection:

38 ARROWS
39 MATHEMATICAL OPERATORS,
45 BLOCK ELEMENTS,
46 GEOMETRIC SHAPES,
49 CJK SYMBOLS AND PUNCTUATION
51 KATAKANA

In the list of collection numbers and names, after

91 TIBETAN

insert new entries as follows:

92 CYRILLIC SUPPLEMENT	0500-052F
93 TAGALOG	1700-171F
94 HANUNOO	1720-173F
95 BUHID	1740-175F
96 TAGBANWA	1760-177F
97 MISCELLANEOUS MATHEMATICAL SYMBOLS-A	27C0-27EF
98 SUPPLEMENTAL ARROWS-A	27F0-27FF *
99 SUPPLEMENTAL ARROWS-B	2900-297F *
100 MISCELLANEOUS MATHEMATICAL SYMBOLS-B	2980-29FF *
101 SUPPLEMENTAL MATHEMATICAL OPERATORS	2A00-2AFF *
102 KATAKANA PHONETIC EXTENSIONS	31F0-31FF *
103 VARIATION SELECTORS	FE00-FE0F *

after

271 COMBINING CHARACTERS B-2

insert new entries as follows:

281 MES-1	SEE A.4.1 *
282 MES-2	SEE A.4.2 *

Page 881, annex A.1

In the list of collections numbers and names, after

302 BMP SECOND EDITION See A3.3 *

insert the following text:

The following collections contain characters both inside and outside the Basic Multilingual Plane.

303 UNICODÉ 3.1	See A5.1 *
304 UNICODÉ 3.2	See A5.2 *
380 CJK UNIFIED IDEOGRAPHS-2001 *	
	3400-4DB5
	4E00-9FA5
	FA0E-FA0F
	FA11
	FA13-FA14
	FA1F
	FA21
	FA23-FA24
	FA27-FA29
	20000-2A6D6
381 CJK COMPATIBILITY IDEOGRAPHS-2001*	
	F900-FA0D
	FA10
	FA12
	FA15-FA1E
	FA20
	FA22
	FA25-FA26
	FA2A-FA6A
	2F800-2FA1D
10646 UNICODÉ	0000-FDCF
	FDF0-FFFF
	10000-1FFFF
	20000-2FFFF
	30000-3FFFF
	40000-4FFFF
	50000-5FFFF
	60000-6FFFF
	70000-7FFFF
	80000-8FFFF
	90000-9FFFF
	A0000-AFFFF
	B0000-BFFFF
	C0000-CFFFF
	D0000-DFFFF
	E0000-EFFFF
	F0000-FFFF
	100000-10FFFF

NOTE – The UNICODÉ collection incorporates all characters currently encoded in the standard.

Page 881, annex A.1

Under collection 400, change “PRIVATE USE PLANES G=00, P=0F, 10, & E0-FF” to “(This collection number shall not be used, see Note 2.)”.

Add the following collection after 400:

401 PRIVATE USE PLANES-0F-10 G=00, P=0F-10

Under collection 500, change “PRIVATE USE GROUPS G=60-7F” to “(This collection number shall not be used, see Note 2.)”.

Under Note 1, change the text “90, and 91” to “90, 91, 93, 94, 95, and 96”.

Replace the Note 2 as follows:

NOTE 2 – Collections numbered 57, 58, and 59 were specified in the First Edition of this International Standard but have now been deleted. Collections numbered 400 and 500 were specified in the First and Second Editions of this Standard but have now been deleted.

In the alphabetical list of keywords, add collections “98” and “99” to the entry “Arrows”;

Add collection “92” to the entry “Cyrillic”;

Add collection “102” to the entry “Katakana”;

Add collection “101” to the entry “Mathematical operators”;

Add collection “401” and remove “400 500” from the entry “Private use”;

Add collections “97” and “100” to the entry “Symbols”.

In the alphabetical list of keywords, after

Braille patterns

insert

Buhid 95

After

Hangul

insert

Hanunoo 94

After

Mathematical operators

insert

Mathematical symbols 97 and 100

MES 281 282

After

Syriac

insert

Tagalog 93

Tagbanwa 96

After

Tibetan

insert

Unicode 303, 304, 10646

Variation selectors 103

In the alphabetical list of keywords, add a tab between “Yi” and the collection numbers “76 77”.

Page 881, Annex A.2

In the list of blocks in the BMP, after

CYRILLIC

insert a new entry as follows:

CYRILLIC SUPPLEMENT 0500-052F

after

RUNIC

insert new entries as follows:

TAGALOG 1700-171F

HANUNOO 1720-173F

BUHID	1740-175F	
TAGBANWA	1760-177F	
<i>after</i>		
DINGBATS		
<i>insert new entries as follows:</i>		
MISCELLANEOUS MATHEMATICAL SYMBOLS-A	27C0-27EF	
SUPPLEMENTAL ARROWS-A	27F0-27FF	
<i>after</i>		
BRaille PATTERNS		
<i>insert new entries as follows:</i>		
SUPPLEMENTAL ARROWS-B	2900-297F	
MISCELLANEOUS MATHEMATICAL SYMBOLS-B	2980-29FF	
SUPPLEMENTAL MATHEMATICAL OPERATORS	2A00-2AFF	
<i>after</i>		
BOPOMOFO EXTENDED		
<i>insert a new entry as follows:</i>		
KATAKANA PHONETIC EXTENSIONS	31F0-31FF	
<i>after</i>		
ARABIC PRESENTATION FORMS-B		
<i>insert a new entry as follows:</i>		
VARIATION SELECTORS	FE00-FE0F	

Page 882, annex A.3.1 301 BMP-AMD.7

Within the row 0B entry, replace the following sequence:

.. 8E-90 92-25 99-9A ..

by:

.. 8E-90 92-95 99-9A ..

Page 883, annex A.3.3 302 BMP Second Edition

Row 02 entry::

00-33 50-AD B0-EE

is changed to:

00-1F 22-33 50-AD B0-EE

Row 07 entry:

00-0D 0F-2C 30-4A 80-BF

is changed to:

00-0D 0F-2C 30-4A 80-B0

Row 0B entry:

.. 8E-90 92-25 99-9A ..

is changed to:

.. 8E-90 92-95 99-9A ..

Row 12 entry:

20-26 28-46 ..

is changed to:

00-06 08-46 ..

Row 34-4D entry:

3400-4DBF

is changed to:

3400-4DB5

Page 884, annex A

At the end of Annex A add new clauses A.4 and A.5 as follows.

A.4 Other collections within the BMP

The collections specified within this clause are entirely within Plane 00.

NOTE – The acronym MES indicates Multilingual European Subset.

A.4.1 281 MES-1

281 MES-1 is specified by the following ranges of code positions as indicated for each row.

<u>Rows</u>	<u>Positions (cells)</u>
00	20-7E A0-FF
01	00-13 16-2B 2E-4D 50-7E
02	C7 D8-DB DD
20	15 18-19 1C-1D AC
21	22 26 5B-5E 90-93
26	6A

A.4.2 282 MES-2

282 MES-2 is specified by the following ranges of code positions as indicated for each row.

<u>Rows</u>	<u>Positions (cells)</u>
00	20-7E A0-FF
01	00-7F 8F 92 B7 DE-EF FA-FF
02	18-1B 1E-1F 59 7C 92 BB-BD C6-C7 C9 D8-DD EE
03	74-75 7A 7E 84-8A 8C 8E-A1 A3-CE D7 DA-E1
04	00-5F 90-C4 C7-C8 CB-CC D0-EB EE-F5 F8-F9
1E	02-03 0A-0B 1E-1F 40-41 56-57 60-61 6A-6B 80-85 9B F2-F3
1F	00-15 18-1D 20-45 48-4D 50-57 59 5B 5D 5F-7D 80-B4 B6-C4 C6-D3 D6-DB DD-EF F2-F4 F6-FE
20	13-15 17-1E 20-22 26 30 32-33 39-3A 3C 3E 44 4A 7F 82 A3-A4 A7 AC AF
21	05 16 22 26 5B-5E 90-95 A8
22	00 02-03 06 08-09 0F 11-12 19-1A 1E-1F 27-2B 48 59 60-61 64-65 82-83 95 97
23	02 10 20-21 29-2A
25	00 02 0C 10 14 18 1C 24 2C 34 3C 50-6C 80 84 88 8C 90-93 A0 AC B2 BA BC C4 CA-CB D8-D9
26	3A-3C 40 42 60 63 65-66 6A-6B
FB	01-02
FF	FD

A.5 Unicode collections

These collections correspond to Unicode 3.1 and 3.2. They include characters from the BMP as well as Supplementary Planes.

A.5.1 303 UNICODE 3.1

303 The fixed collection UNICODE 3.1 consists of collections from A.3 above and several ranges of code positions. The collection list is arranged by planes as follows.

Plane 0

Collection number and name
302 BMP SECOND EDITION

Row	Positions (cells)
03	F4-F5

Plane 1

Row	Positions (cells)
03	00-1E 20-23 30-4A
04	00-25 28-4D
D0	00-F5
D1	00-26 2A-DD
D4	00-54 56-9C 9E-9F A2 A5-A6 A9-AC AE-B9 BB BD-C0 C2-C3 C5-FF
D5	00-05 07-0A 0D-14 16-1C 1E-39 3B-3E 40-44 46 4A-50 52-FF
D6	00-A3 A8-FF
D7	00-C9 CE-FF

Plane 2

Row	Positions (cells)
00-A6	0000-A6D6
F8-FA	F800-FA1D

Plane 0E

Row	Positions (cells)
00	01 20-7F

Plane 0F

Row	Positions (cells)
00-FF	0000-FFFF

Plane 10

Row	Positions (cells)
00-FF	0000-FFFF

A.5.2 304 UNICODE 3.2

304 The fixed collection UNICODE 3.2 consists of fixed collections from A.3 and A.5.1 above and several ranges of code positions arranged by planes as follows.

Plane 0-10

Collection number and name
303 UNICODE 3.1

Plane 0

Collection number and name
98 SUPPLEMENTAL ARROWS-A
99 SUPPLEMENTAL ARROWS-B
100 MISCELLANEOUS MATHEMATICAL SYMBOLS-B
101 SUPPLEMENTAL MATHEMATICAL OPERATORS
102 KATAKANA PHONETIC EXTENSIONS
103 VARIATION SELECTORS

Rows Positions (cells)

02	20
03	4F 63-6F D8-D9 F6
04	8A-8B C5-C6 C9-CA CD-CE
05	00-0F
06	6E-6F
07	B1
10	F7-F8
17	00-0C 0E-14 20-36 40-53 60-6C 6E-70 72-73
20	47 4E-52 57 5F-63 71 B0-B1 E4-EA
21	3D-4B F4-FF
22	F2-FF
23	7C 9B-CE
24	EB-FE
25	96-9F F8-FF
26	16-17 72-7D 80-89
27	68-75 D0-EB
30	3B-3D 95-96 9F-A0 FF
32	51-5F B1-BF
A4	A2-A3 B4 C1 C5
FA	30-6A
FE	45-46 73
FF	5F-60

Page 888, Annex B.1 List of all combining characters

Remove the following entry:

0B83 TAMIL SIGN VISARGA

After the entry

1059 MYANMAR VOWEL SIGN VOCALIC LL,

insert new entries, as shown below:

- 1712 TAGALOG VOWEL SIGN I
- 1713 TAGALOG VOWEL SIGN U
- 1714 TAGALOG VIRAMA
- 1732 HANUNOO VOWEL SIGN I
- 1733 HANUNOO VOWEL SIGN U
- 1734 HANUNOO PAMUDPOD
- 1752 BUHID VOWEL SIGN I
- 1753 BUHID VOWEL SIGN U
- 1772 TAGBANWA VOWEL SIGN I
- 1773 TAGBANWA VOWEL SIGN U

After the entry

17D3 KHMER SIGN BATHMASAT

insert new entries, as shown below:

- 180B MONGOLIAN FREE VARIATION SELECTOR ONE
- 180C MONGOLIAN FREE VARIATION SELECTOR TWO

180D MONGOLIAN FREE VARIATION SELECTOR THREE

Insert the following new entries at the end of the list (after FB1E HEBREW POINT JUDEO-SPANISH VARIKA):

FE00 VARIATION SELECTOR-1
 FE01 VARIATION SELECTOR-2
 FE02 VARIATION SELECTOR-3
 FE03 VARIATION SELECTOR-4
 FE04 VARIATION SELECTOR-5
 FE05 VARIATION SELECTOR-6
 FE06 VARIATION SELECTOR-7
 FE07 VARIATION SELECTOR-8
 FE08 VARIATION SELECTOR-9
 FE09 VARIATION SELECTOR-10
 FE0A VARIATION SELECTOR-11
 FE0B VARIATION SELECTOR-12
 FE0C VARIATION SELECTOR-13
 FE0D VARIATION SELECTOR-14
 FE0E VARIATION SELECTOR-15
 FE0F VARIATION SELECTOR-16

Page 895, Annex D.4

Remove the second sentence of the NOTE 1 in the clause D.4 starting by "The values 0000 FFFE...(see clause 8).".

Page 899, Annex F

In clause F.1.1 (Zero-width boundary indicators) replace the first paragraph by the following text:

The following characters are used to indicate whether or not the adjacent characters are separated by a word or hyphenation boundary. Each of these zero-width boundary indicators has no width in its usual own presentation.

SOFT HYPHEN (00AD): SOFT HYPHEN (SHY) is a graphic character, the visual representation of which is identical to that of HYPHEN, for use when an allowable automatic hyphenation line-break after it is to be indicated. Unless the SOFT HYPHEN occurs at the very end of a rendered line, the SOFT HYPHEN normally has zero width and no visible representation, and may also suppress the rendering of the following character.

NOTE – For example, for Swedish, "biljett<SHY>tång" should be rendered as "biljettång" when there is no line-break after the SHY.

Page 901, clause F.2.5

Replace the clause F.2.5 as follows:

F.2.5 Mongolian vowel separator

MONGOLIAN VOWEL SEPARATOR (180E): This character may be used between the MONGOLIAN LETTER A or the MONGOLIAN

LETTER E at the end of a word and the preceding consonant letter. It indicates a special form of the graphic symbol for the letter A or E and the preceding consonant. When rendered in visible form it is generally shown as a narrow space between the letters, but it may sometimes be shown as a distinct graphic symbol to assist the user.

Page 904, Annex G

Insert each of the new character name entries at the appropriate position, ordered alphabetically by the character name, in the list of character names in Annex G. These new names are provided in a machine-readable format that is accessible as a link to this document.

NOTE 1 – The referenced file is only available to users who obtain their copy of the amendment in a machine-readable form. However, the file format makes it printable.

[Click on this highlighted text to access the file containing the new names.](#)

NOTE 2 – The content is also available as a separate viewable file in the same file directory as this document. The file is named: "Am1names.txt".

Page 956, Annex M

Add to Annex M the following references.

After ISO/IEC 10367:

ISO 10754:1984 *Information and documentation – Extension of the Cyrillic alphabet coded character set for non-Slavic languages for bibliographic information interchange*

After JIS X 0212-1990:

JIS X 0213:2000, Japanese Standards Association. *7-bit and 8-bit double byte coded extended KANJI sets for information interchange, 2000-01-20.*

After Roop 1972:

Santos, Hector. 1994. *The Tagalog script*. (Ancient Philippine Scripts Series; 1). Los Angeles: Sushi Dog Graphics.

Santos, Hector. 1995. *The living scripts*. (Ancient Philippine Scripts Series; 2). Los Angeles: Sushi Dog Graphics.

Page 962, Annex P

Insert the following entries in annex P.

03D8 GREEK LETTER ARCHAIC KOPPA

The name of this character distinguishes it from 03DE GREEK LETTER KOPPA, which is most commonly used with its numeric value, such as

in the dating of legal documentation. GREEK LETTER ARCHAIC KOPPA is primarily used alphabetically to represent the letter used in early Greek inscriptions.

03D9 GREEK SMALL LETTER ARCHAIC KOPPA

The name of this character distinguishes it from 03DF GREEK SMALL LETTER KOPPA, which is most commonly used with its numeric value, such as in the dating of legal documentation. GREEK SMALL LETTER ARCHAIC KOPPA is primarily used alphabetically to represent the letter used in early Greek inscriptions.

FF5F FULLWIDTH LEFT WHITE PARENTHESIS

This character has a common glyph variation that looks like a double left parenthesis

FF60 FULLWIDTH RIGHT WHITE PARENTHESIS

This character has a common glyph variation that looks like a double right parenthesis

Page 985, Annex S

Replace all occurrences of 'Source code' by 'Source'.

Replace the end of the first note

- CJK COMPATIBILITY IDEOGRAPHS (F900 – FAFF with the exception of FA1F and FA23).

By

- CJK COMPATIBILITY IDEOGRAPHS (F900 – FAFF with the exception of FA0E, FA0F, FA11, FA13, FA14, FA1F, FA21, FA23, FA24, FA27, FA28, and FA29).

Page 987, clause S.1.6

Add the following paragraph and note at the end of clause S.1.6:

The source separation rule described in this clause only applies to the CJK UNIFIED IDEOGRAPHS block specified in the Basic Multilingual Plane.

NOTE – CJK Compatibility Ideographs are created following a rule very similar to the source separation rule. However, the end result is the combination of a single CJK Unified Ideograph and one or several CJK Compatibility Ideographs. When the source separation rule is applied, all 'similar' source CJK Ideographs result in separate CJK Unified Ideographs.

Page 20-303 Code Tables and list of character names

1. Corrigenda and modifications to existing tables

Insert the additional character glyphs and names at the indicated positions in the tables given below, the character names replacing the existing entries which

read "(This position shall not be used)". The table numbers are affected by the insertion of new tables (see below) preceding these modified tables. (The table numbers corresponding to the 2nd edition of ISO/IEC 10646-1 are mentioned in parenthesis.)

Table 6 - Row 01-2: Latin Extended B (6)

Table 9 - Row 03: Combining Diacritical Marks (9)

Table 10 - Row 03: Greek and Coptic (10)

Table 12 - Row 04: Cyrillic (12)

Table 16 - Row 06: Arabic (15)

Table 19 - Row 07: Thaana (18)

Table 25 - Row 0B: Tamil (24)

Table 35 - Row 10: Georgian (34)

Table 38 - Row 12: Ethiopic (37)

Table 52 - Row 17: Khmer (47)

Table 58 - Row 20: General Punctuation (53)

Table 59 - Row 20: Superscripts and Subscripts (54)

Table 60 - Row 20: Currency Symbols (55)

Table 61 - Row 20: Combining Diacritical Marks for Symbols (56)

Table 62 - Row 21: Letterlike Symbols (57)

Table 64 - Row 21: Arrows (59)

Table 65 - Row 22: Mathematical Operators (60)

Table 66 - Row 22: Mathematical Operators (61)

Table 67 - Row 23: Miscellaneous Technical (62)

Table 68 - Row 23: Miscellaneous Technical (63)

Table 71 - Row 24: Enclosed Alphanumerics (66)

Table 73 - Row 25: Block Elements (68)

Table 74 - Row 25: Geometric Shapes (69)

Table 75 - Row 26: Miscellaneous Symbols (70)

Table 78 - Row 27: Dingbats (72)

Table 91 - Row 30: CJK Symbols and Punctuation (79)

Table 92 - Row 30: Hiragana (80)

Table 93 - Row 30: Katakana (81)

Table 99 - Row 32: Enclosed CJK Letters and Months (86)

Table 100 - Row 32: Enclosed CJK Letters and Months (87)

Table 110 - Row A4: Yi Radicals (97)

Table 144 - Row F9-FA: CJK Compatibility Ideographs (131)

Table 150 - Row FD: Arabic Presentation Forms-A (136)

Table 153 - Row FE: CJK Compatibility Forms (138)

Table 155 - Row FE: Arabic Presentation Forms-B (140)

Table 156 - Row FF: Halfwidth and Fullwidth Forms (141)

Table 158 - Row FF: Specials (143)

These tables contain updated graphic symbols at the following code positions:

066B-066C, 0B83, 125C, 17DB, 2114, 2216, 224C, 2278-2279, 2329-232A, 2380-238C, 25AA-25AB, 262B, 3018-301B, FEFF.

and the new characters and names at the following code positions:

0220, 034F, 0363-036F, 03D8-03D9, 03F4-03F6, 048A-048B, 04C5-04C6, 04C9-04CA, 04CD-04CE, 066E-066F, 07B1, 10F7-10F8, 2047, 204E-2052, 2057, 205F-2063, 2071, 20B0-20B1, 20E4-20EA, 213D-214B, 21F4-21FF, 22F2-22FF, 237C, 239B-23CE, 24EB-24FE, 2596-259F, 25F8-25FF, 2616-2617, 2672-267D, 2768-2775, 303B-303D, 3095-3096, 309F, 30A0, 30FF, 3251-325F, 32B1-

32BF, A4A2-A4A3, A4B4, A4C1, A4C5, FA30-FA5F, FDFC, FE45-FE46, FE73, FF5F-FF60.

The annotations for the characters at FDD0-FDEF, FFFE, and FFFF are changed to "(This position is permanently reserved)".

2. New tables.

Insert the following additional tables and adjust the numbering of the existing tables that follow. When correctly applied, all tables will be arranged by ascending code position.

Table 13 - Row 05: Cyrillic Supplement

Table 48 - Row 17: Tagalog

Table 49 - Row 17: Hanunoo

Table 50 - Row 17: Buhid

Table 51 - Row 17: Tagbanwa

Table 76 - Row 26: Miscellaneous Symbols

Table 79 - Row 27: Miscellaneous Mathematical Symbols-A

Table 80 - Row 27: Supplemental Arrows-A

Table 83 - Row 29: Supplemental Arrows-B

Table 84 - Row 29: Miscellaneous Mathematical Symbols-B

Table 85 - Row 2A: Supplemental Mathematical Operators

Table 86 - Row 2A: Supplemental Mathematical Operators

Table 98 - Row 31: Katakana Phonetic Extensions

Table 145 - Row FA: CJK Compatibility Ideographs

Table 151 - Row FE: Variation Selectors

These tables add new characters and names at the following code positions:

0500-050F, 1700-170C, 170E-1714, 1720-1736, 1740-1753, 1760-176C, 176E-1770, 1772-1773, 2680-2689, 27D0-27EB, 27F0-27FF, 2900-297F, 2980-29FF, 2A00-2AFF, 31F0-31FF, FA60-FA6A, FE00-FE0F

Table 6 - Rows 01-02: Latin Extended-B

	01F	020	021	022	023	024
0	ĵ 01F0	Ă 0200	Ř 0210	η 0220	Ō 0230	
1	DZ 01F1	ă 0201	ř 0211		ō 0231	
2	Dz 01F2	Â 0202	Ř 0212	8 0222	Ȳ 0232	
3	dz 01F3	â 0203	ř 0213	8 0223	ȳ 0233	
4	Ć 01F4	Ĕ 0204	Û 0214	Ź 0224		
5	ć 01F5	ĕ 0205	û 0215	ź 0225		
6	Hu 01F6	Ê 0206	Û 0216	À 0226		
7	Ɔ 01F7	ê 0207	û 0217	à 0227		
8	Ń 01F8	Ĭ 0208	Ş 0218	Ę 0228		
9	ń 01F9	î 0209	ş 0219	ę 0229		
A	Ą 01FA	Î 020A	Ţ 021A	Ō 022A		
B	ą 01FB	î 020B	ţ 021B	ō 022B		
C	Ą 01FC	Ŏ 020C	Ɔ 021C	Ō 022C		
D	ą 01FD	õ 020D	Ɔ 021D	ō 022D		
E	Ø 01FE	Ô 020E	Ĥ 021E	Ò 022E		
F	ø 01FF	ô 020F	ĥ 021F	ò 022F		

G = 00
P = 00

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Table 6 - Rows 01-02: Latin Extended-B

HEX	NAME	HEX	NAME
01F0	LATIN SMALL LETTER J WITH CARON	024D	(This position shall not be used)
01F1	LATIN CAPITAL LETTER DZ	024E	(This position shall not be used)
01F2	LATIN CAPITAL LETTER D WITH SMALL LETTER Z	024F	(This position shall not be used)
01F3	LATIN SMALL LETTER DZ		
01F4	LATIN CAPITAL LETTER G WITH ACUTE		
01F5	LATIN SMALL LETTER G WITH ACUTE		
01F6	LATIN CAPITAL LETTER HWAIR		
01F7	LATIN CAPITAL LETTER WYNN		
01F8	LATIN CAPITAL LETTER N WITH GRAVE		
01F9	LATIN SMALL LETTER N WITH GRAVE		
01FA	LATIN CAPITAL LETTER A WITH RING ABOVE AND ACUTE		
01FB	LATIN SMALL LETTER A WITH RING ABOVE AND ACUTE		
01FC	LATIN CAPITAL LETTER AE WITH ACUTE (ash) *		
01FD	LATIN SMALL LETTER AE WITH ACUTE (ash) *		
01FE	LATIN CAPITAL LETTER O WITH STROKE AND ACUTE		
01FF	LATIN SMALL LETTER O WITH STROKE AND ACUTE		
0200	LATIN CAPITAL LETTER A WITH DOUBLE GRAVE		
0201	LATIN SMALL LETTER A WITH DOUBLE GRAVE		
0202	LATIN CAPITAL LETTER A WITH INVERTED BREVE		
0203	LATIN SMALL LETTER A WITH INVERTED BREVE		
0204	LATIN CAPITAL LETTER E WITH DOUBLE GRAVE		
0205	LATIN SMALL LETTER E WITH DOUBLE GRAVE		
0206	LATIN CAPITAL LETTER E WITH INVERTED BREVE		
0207	LATIN SMALL LETTER E WITH INVERTED BREVE		
0208	LATIN CAPITAL LETTER I WITH DOUBLE GRAVE		
0209	LATIN SMALL LETTER I WITH DOUBLE GRAVE		
020A	LATIN CAPITAL LETTER I WITH INVERTED BREVE		
020B	LATIN SMALL LETTER I WITH INVERTED BREVE		
020C	LATIN CAPITAL LETTER O WITH DOUBLE GRAVE		
020D	LATIN SMALL LETTER O WITH DOUBLE GRAVE		
020E	LATIN CAPITAL LETTER O WITH INVERTED BREVE		
020F	LATIN SMALL LETTER O WITH INVERTED BREVE		
0210	LATIN CAPITAL LETTER R WITH DOUBLE GRAVE		
0211	LATIN SMALL LETTER R WITH DOUBLE GRAVE		
0212	LATIN CAPITAL LETTER R WITH INVERTED BREVE		
0213	LATIN SMALL LETTER R WITH INVERTED BREVE		
0214	LATIN CAPITAL LETTER U WITH DOUBLE GRAVE		
0215	LATIN SMALL LETTER U WITH DOUBLE GRAVE		
0216	LATIN CAPITAL LETTER U WITH INVERTED BREVE		
0217	LATIN SMALL LETTER U WITH INVERTED BREVE		
0218	LATIN CAPITAL LETTER S WITH COMMA BELOW *		
0219	LATIN SMALL LETTER S WITH COMMA BELOW *		
021A	LATIN CAPITAL LETTER T WITH COMMA BELOW *		
021B	LATIN SMALL LETTER T WITH COMMA BELOW *		
021C	LATIN CAPITAL LETTER YOGH		
021D	LATIN SMALL LETTER YOGH		
021E	LATIN CAPITAL LETTER H WITH CARON		
021F	LATIN SMALL LETTER H WITH CARON		
0220	LATIN CAPITAL LETTER N WITH LONG RIGHT LEG		
0221	(This position shall not be used)		
0222	LATIN CAPITAL LETTER OU		
0223	LATIN SMALL LETTER OU		
0224	LATIN CAPITAL LETTER Z WITH HOOK		
0225	LATIN SMALL LETTER Z WITH HOOK		
0226	LATIN CAPITAL LETTER A WITH DOT ABOVE		
0227	LATIN SMALL LETTER A WITH DOT ABOVE		
0228	LATIN CAPITAL LETTER E WITH CEDILLA		
0229	LATIN SMALL LETTER E WITH CEDILLA		
022A	LATIN CAPITAL LETTER O WITH DIAERESIS AND MACRON		
022B	LATIN SMALL LETTER O WITH DIAERESIS AND MACRON		
022C	LATIN CAPITAL LETTER O WITH TILDE AND MACRON		
022D	LATIN SMALL LETTER O WITH TILDE AND MACRON		
022E	LATIN CAPITAL LETTER O WITH DOT ABOVE		
022F	LATIN SMALL LETTER O WITH DOT ABOVE		
0230	LATIN CAPITAL LETTER O WITH DOT ABOVE AND MACRON		
0231	LATIN SMALL LETTER O WITH DOT ABOVE AND MACRON		
0232	LATIN CAPITAL LETTER Y WITH MACRON		
0233	LATIN SMALL LETTER Y WITH MACRON		
0234	(This position shall not be used)		
0235	(This position shall not be used)		
0236	(This position shall not be used)		
0237	(This position shall not be used)		
0238	(This position shall not be used)		
0239	(This position shall not be used)		
023A	(This position shall not be used)		
023B	(This position shall not be used)		
023C	(This position shall not be used)		
023D	(This position shall not be used)		
023E	(This position shall not be used)		
023F	(This position shall not be used)		
0240	(This position shall not be used)		
0241	(This position shall not be used)		
0242	(This position shall not be used)		
0243	(This position shall not be used)		
0244	(This position shall not be used)		
0245	(This position shall not be used)		
0246	(This position shall not be used)		
0247	(This position shall not be used)		
0248	(This position shall not be used)		
0249	(This position shall not be used)		
024A	(This position shall not be used)		
024B	(This position shall not be used)		
024C	(This position shall not be used)		

Group 00

Plane 00

Row 01

Table 9 - Row 03: Combining Diacritical Marks

	030	031	032	033	034	035	036
0	0300	0310	0320	0330	0340		0360
1	0301	0311	0321	0331	0341		0361
2	0302	0312	0322	0332	0342		0362
3	0303	0313	0323	0333	0343		a 0363
4	0304	0314	0324	0334	0344		e 0364
5	0305	0315	0325	0335	0345		i 0365
6	0306	0316	0326	0336	0346		o 0366
7	0307	0317	0327	0337	0347		u 0367
8	0308	0318	0328	0338	0348		c 0368
9	0309	0319	0329	0339	0349		d 0369
A	030A	031A	032A	033A	034A		h 036A
B	030B	031B	032B	033B	034B		m 036B
C	030C	031C	032C	033C	034C		r 036C
D	030D	031D	032D	033D	034D		t 036D
E	030E	031E	032E	033E	034E		v 036E
F	030F	031F	032F	033F	034F		x 036F

G = 00
P = 00

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Table 9 - Row 03: Combining Diacritical Marks

HEX	NAME	HEX	NAME
0300	COMBINING GRAVE ACCENT (Varia)	035D	(This position shall not be used)
0301	COMBINING ACUTE ACCENT (Oxia, Tonos)	035E	(This position shall not be used)
0302	COMBINING CIRCUMFLEX ACCENT	035F	(This position shall not be used)
0303	COMBINING TILDE	0360	COMBINING DOUBLE TILDE
0304	COMBINING MACRON	0361	COMBINING DOUBLE INVERTED BREVE
0305	COMBINING OVERLINE	0362	COMBINING DOUBLE RIGHTWARDS ARROW BELOW
0306	COMBINING BREVE (Vrachy)	0363	COMBINING LATIN SMALL LETTER A
0307	COMBINING DOT ABOVE	0364	COMBINING LATIN SMALL LETTER E
0308	COMBINING DIAERESIS (Dialytika)	0365	COMBINING LATIN SMALL LETTER I
0309	COMBINING HOOK ABOVE	0366	COMBINING LATIN SMALL LETTER O
030A	COMBINING RING ABOVE	0367	COMBINING LATIN SMALL LETTER U
030B	COMBINING DOUBLE ACUTE ACCENT	0368	COMBINING LATIN SMALL LETTER C
030C	COMBINING CARON	0369	COMBINING LATIN SMALL LETTER D
030D	COMBINING VERTICAL LINE ABOVE	036A	COMBINING LATIN SMALL LETTER H
030E	COMBINING DOUBLE VERTICAL LINE ABOVE	036B	COMBINING LATIN SMALL LETTER M
030F	COMBINING DOUBLE GRAVE ACCENT	036C	COMBINING LATIN SMALL LETTER R
0310	COMBINING CANDRABINDU	036D	COMBINING LATIN SMALL LETTER T
0311	COMBINING INVERTED BREVE	036E	COMBINING LATIN SMALL LETTER V
0312	COMBINING TURNED COMMA ABOVE	036F	COMBINING LATIN SMALL LETTER X
0313	COMBINING COMMA ABOVE (Psili)		
0314	COMBINING REVERSED COMMA ABOVE (Dasia)		
0315	COMBINING COMMA ABOVE RIGHT		
0316	COMBINING GRAVE ACCENT BELOW		
0317	COMBINING ACUTE ACCENT BELOW		
0318	COMBINING LEFT TACK BELOW		
0319	COMBINING RIGHT TACK BELOW		
031A	COMBINING LEFT ANGLE ABOVE		
031B	COMBINING HORN		
031C	COMBINING LEFT HALF RING BELOW		
031D	COMBINING UP TACK BELOW		
031E	COMBINING DOWN TACK BELOW		
031F	COMBINING PLUS SIGN BELOW		
0320	COMBINING MINUS SIGN BELOW		
0321	COMBINING PALATALIZED HOOK BELOW		
0322	COMBINING RETROFLEX HOOK BELOW		
0323	COMBINING DOT BELOW		
0324	COMBINING DIAERESIS BELOW		
0325	COMBINING RING BELOW		
0326	COMBINING COMMA BELOW		
0327	COMBINING CEDILLA		
0328	COMBINING OGONEK		
0329	COMBINING VERTICAL LINE BELOW		
032A	COMBINING BRIDGE BELOW		
032B	COMBINING INVERTED DOUBLE ARCH BELOW		
032C	COMBINING CARON BELOW		
032D	COMBINING CIRCUMFLEX ACCENT BELOW		
032E	COMBINING BREVE BELOW		
032F	COMBINING INVERTED BREVE BELOW		
0330	COMBINING TILDE BELOW		
0331	COMBINING MACRON BELOW		
0332	COMBINING LOW LINE		
0333	COMBINING DOUBLE LOW LINE		
0334	COMBINING TILDE OVERLAY		
0335	COMBINING SHORT STROKE OVERLAY		
0336	COMBINING LONG STROKE OVERLAY		
0337	COMBINING SHORT SOLIDUS OVERLAY		
0338	COMBINING LONG SOLIDUS OVERLAY		
0339	COMBINING RIGHT HALF RING BELOW		
033A	COMBINING INVERTED BRIDGE BELOW		
033B	COMBINING SQUARE BELOW		
033C	COMBINING SEAGULL BELOW		
033D	COMBINING X ABOVE		
033E	COMBINING VERTICAL TILDE		
033F	COMBINING DOUBLE OVERLINE		
0340	COMBINING GRAVE TONE MARK (Vietnamese)		
0341	COMBINING ACUTE TONE MARK (Vietnamese)		
0342	COMBINING GREEK PERISPOMENI		
0343	COMBINING GREEK KORONIS		
0344	COMBINING GREEK DIALYTIKA TONOS		
0345	COMBINING GREEK YPOGEGRAMMENI		
0346	COMBINING BRIDGE ABOVE		
0347	COMBINING EQUALS SIGN BELOW		
0348	COMBINING DOUBLE VERTICAL LINE BELOW		
0349	COMBINING LEFT ANGLE BELOW		
034A	COMBINING NOT TILDE ABOVE		
034B	COMBINING HOMOTHETIC ABOVE		
034C	COMBINING ALMOST EQUAL TO ABOVE		
034D	COMBINING LEFT RIGHT ARROW BELOW		
034E	COMBINING UPWARDS ARROW BELOW		
034F	COMBINING GRAPHEME JOINER		
0350	(This position shall not be used)		
0351	(This position shall not be used)		
0352	(This position shall not be used)		
0353	(This position shall not be used)		
0354	(This position shall not be used)		
0355	(This position shall not be used)		
0356	(This position shall not be used)		
0357	(This position shall not be used)		
0358	(This position shall not be used)		
0359	(This position shall not be used)		
035A	(This position shall not be used)		
035B	(This position shall not be used)		
035C	(This position shall not be used)		

Group 00

Plane 00

Row 03

Table 10 - Row 03: Greek and Coptic

	037	038	039	03A	03B	03C	03D	03E	03F
0			ΐ 0390	Π 03A0	ϒ 03B0	π 03C0	β 03D0	ϣ 03E0	κ 03F0
1			Α 0391	Ρ 03A1	α 03B1	ρ 03C1	ϑ 03D1	ϣ 03E1	ρ 03F1
2			Β 0392		β 03B2	ς 03C2	Υ 03D2	ϣ 03E2	Ϸ 03F2
3			Γ 0393	Σ 03A3	γ 03B3	σ 03C3	Υ 03D3	ϣ 03E3	Ϸ 03F3
4	' 0374	' 0384	Δ 0394	Τ 03A4	δ 03B4	τ 03C4	Ϸ 03D4	ϣ 03E4	Θ 03F4
5	' 0375	· 0385	Ε 0395	Υ 03A5	ε 03B5	υ 03C5	φ 03D5	ϣ 03E5	Ε 03F5
6		Α 0386	Ζ 0396	Φ 03A6	ζ 03B6	φ 03C6	ω 03D6	ϣ 03E6	Ε 03F6
7		· 0387	Η 0397	Χ 03A7	η 03B7	χ 03C7	ϣ 03D7	ϣ 03E7	
8		Ε 0388	Θ 0398	Ψ 03A8	θ 03B8	ψ 03C8	ϣ 03D8	ϣ 03E8	
9		Η 0389	Ι 0399	Ω 03A9	ι 03B9	ω 03C9	ϣ 03D9	ϣ 03E9	
A	ι 037A	Ι 038A	Κ 039A	Ϊ 03AA	κ 03BA	ϊ 03CA	Σ 03DA	Χ 03EA	
B			Λ 039B	Ϸ 03AB	λ 03BB	Ϸ 03CB	ς 03DB	ϣ 03EB	
C		Ο 038C	Μ 039C	ά 03AC	μ 03BC	ό 03CC	ϣ 03DC	ϣ 03EC	
D			Ν 039D	έ 03AD	ν 03BD	ύ 03CD	ϣ 03DD	ϣ 03ED	
E	;	Υ 038E	Ε 039E	ή 03AE	ξ 03BE	ώ 03CE	ϣ 03DE	ϣ 03EE	
F		Ω 038F	Ο 039F	ί 03AF	ο 03BF		ϣ 03DF	ϣ 03EF	

G = 00
P = 00

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Table 10 - Row 03: Greek and Coptic

HEX	NAME	HEX	NAME
0370	(This position shall not be used)	03CD	GREEK SMALL LETTER UPSILON WITH TONOS
0371	(This position shall not be used)	03CE	GREEK SMALL LETTER OMEGA WITH TONOS
0372	(This position shall not be used)	03CF	(This position shall not be used)
0373	(This position shall not be used)	03D0	GREEK BETA SYMBOL
0374	GREEK NUMERAL SIGN (Dexia keraia)	03D1	GREEK THETA SYMBOL
0375	GREEK LOWER NUMERAL SIGN (Aristeri keraia)	03D2	GREEK UPSILON WITH HOOK SYMBOL
0376	(This position shall not be used)	03D3	GREEK UPSILON WITH ACUTE AND HOOK SYMBOL
0377	(This position shall not be used)	03D4	GREEK UPSILON WITH DIAERESIS AND HOOK SYMBOL
0378	(This position shall not be used)	03D5	GREEK PHI SYMBOL
0379	(This position shall not be used)	03D6	GREEK PI SYMBOL
037A	GREEK YPOGEGRAMMENI	03D7	GREEK KAI SYMBOL
037B	(This position shall not be used)	03D8	GREEK LETTER ARCHAIC KOPPA *
037C	(This position shall not be used)	03D9	GREEK SMALL LETTER ARCHAIC KOPPA *
037D	(This position shall not be used)	03DA	GREEK LETTER STIGMA
037E	GREEK QUESTION MARK (Erotimatiko)	03DB	GREEK SMALL LETTER STIGMA
037F	(This position shall not be used)	03DC	GREEK LETTER DIGAMMA
0380	(This position shall not be used)	03DD	GREEK SMALL LETTER DIGAMMA
0381	(This position shall not be used)	03DE	GREEK LETTER KOPPA
0382	(This position shall not be used)	03DF	GREEK SMALL LETTER KOPPA
0383	(This position shall not be used)	03E0	GREEK LETTER SAMPI
0384	GREEK TONOS	03E1	GREEK SMALL LETTER SAMPI
0385	GREEK DIALYTIKA TONOS	03E2	COPTIC CAPITAL LETTER SHEI
0386	GREEK CAPITAL LETTER ALPHA WITH TONOS	03E3	COPTIC SMALL LETTER SHEI
0387	GREEK ANO TELEIA	03E4	COPTIC CAPITAL LETTER FEI
0388	GREEK CAPITAL LETTER EPSILON WITH TONOS	03E5	COPTIC SMALL LETTER FEI
0389	GREEK CAPITAL LETTER ETA WITH TONOS	03E6	COPTIC CAPITAL LETTER KHEI
038A	GREEK CAPITAL LETTER IOTA WITH TONOS	03E7	COPTIC SMALL LETTER KHEI
038B	(This position shall not be used)	03E8	COPTIC CAPITAL LETTER HORI
038C	GREEK CAPITAL LETTER OMICRON WITH TONOS	03E9	COPTIC SMALL LETTER HORI
038D	(This position shall not be used)	03EA	COPTIC CAPITAL LETTER GANGIA
038E	GREEK CAPITAL LETTER UPSILON WITH TONOS	03EB	COPTIC SMALL LETTER GANGIA
038F	GREEK CAPITAL LETTER OMEGA WITH TONOS	03EC	COPTIC CAPITAL LETTER SHIMA
0390	GREEK SMALL LETTER IOTA WITH DIALYTIKA AND TONOS	03ED	COPTIC SMALL LETTER SHIMA
0391	GREEK CAPITAL LETTER ALPHA	03EE	COPTIC CAPITAL LETTER DEI
0392	GREEK CAPITAL LETTER BETA	03EF	COPTIC SMALL LETTER DEI
0393	GREEK CAPITAL LETTER GAMMA	03F0	GREEK KAPPA SYMBOL
0394	GREEK CAPITAL LETTER DELTA	03F1	GREEK RHO SYMBOL
0395	GREEK CAPITAL LETTER EPSILON	03F2	GREEK LUNATE SIGMA SYMBOL
0396	GREEK CAPITAL LETTER ZETA	03F3	GREEK LETTER YOT
0397	GREEK CAPITAL LETTER ETA	03F4	GREEK CAPITAL THETA SYMBOL
0398	GREEK CAPITAL LETTER THETA	03F5	GREEK LUNATE EPSILON SYMBOL
0399	GREEK CAPITAL LETTER IOTA	03F6	GREEK REVERSED LUNATE EPSILON SYMBOL
039A	GREEK CAPITAL LETTER KAPPA	03F7	(This position shall not be used)
039B	GREEK CAPITAL LETTER LAMDA	03F8	(This position shall not be used)
039C	GREEK CAPITAL LETTER MU	03F9	(This position shall not be used)
039D	GREEK CAPITAL LETTER NU	03FA	(This position shall not be used)
039E	GREEK CAPITAL LETTER XI	03FB	(This position shall not be used)
039F	GREEK CAPITAL LETTER OMICRON	03FC	(This position shall not be used)
03A0	GREEK CAPITAL LETTER PI	03FD	(This position shall not be used)
03A1	GREEK CAPITAL LETTER RHO	03FE	(This position shall not be used)
03A2	(This position shall not be used)	03FF	(This position shall not be used)
03A3	GREEK CAPITAL LETTER SIGMA		
03A4	GREEK CAPITAL LETTER TAU		
03A5	GREEK CAPITAL LETTER UPSILON		
03A6	GREEK CAPITAL LETTER PHI		
03A7	GREEK CAPITAL LETTER CHI		
03A8	GREEK CAPITAL LETTER PSI		
03A9	GREEK CAPITAL LETTER OMEGA		
03AA	GREEK CAPITAL LETTER IOTA WITH DIALYTIKA		
03AB	GREEK CAPITAL LETTER UPSILON WITH DIALYTIKA		
03AC	GREEK SMALL LETTER ALPHA WITH TONOS		
03AD	GREEK SMALL LETTER EPSILON WITH TONOS		
03AE	GREEK SMALL LETTER ETA WITH TONOS		
03AF	GREEK SMALL LETTER IOTA WITH TONOS		
03B0	GREEK SMALL LETTER UPSILON WITH DIALYTIKA AND TONOS		
03B1	GREEK SMALL LETTER ALPHA		
03B2	GREEK SMALL LETTER BETA		
03B3	GREEK SMALL LETTER GAMMA		
03B4	GREEK SMALL LETTER DELTA		
03B5	GREEK SMALL LETTER EPSILON		
03B6	GREEK SMALL LETTER ZETA		
03B7	GREEK SMALL LETTER ETA		
03B8	GREEK SMALL LETTER THETA		
03B9	GREEK SMALL LETTER IOTA		
03BA	GREEK SMALL LETTER KAPPA		
03BB	GREEK SMALL LETTER LAMDA		
03BC	GREEK SMALL LETTER MU		
03BD	GREEK SMALL LETTER NU		
03BE	GREEK SMALL LETTER XI		
03BF	GREEK SMALL LETTER OMICRON		
03C0	GREEK SMALL LETTER PI		
03C1	GREEK SMALL LETTER RHO		
03C2	GREEK SMALL LETTER FINAL SIGMA		
03C3	GREEK SMALL LETTER SIGMA		
03C4	GREEK SMALL LETTER TAU		
03C5	GREEK SMALL LETTER UPSILON		
03C6	GREEK SMALL LETTER PHI		
03C7	GREEK SMALL LETTER CHI		
03C8	GREEK SMALL LETTER PSI		
03C9	GREEK SMALL LETTER OMEGA		
03CA	GREEK SMALL LETTER IOTA WITH DIALYTIKA		
03CB	GREEK SMALL LETTER UPSILON WITH DIALYTIKA		
03CC	GREEK SMALL LETTER OMICRON WITH TONOS		

Group 00

Plane 00

Row 03

Table 12 - Row 04: Cyrillic

HEX	NAME	HEX	NAME
0480	CYRILLIC CAPITAL LETTER KOPPA	04DD	CYRILLIC SMALL LETTER ZHE WITH DIAERESIS
0481	CYRILLIC SMALL LETTER KOPPA	04DE	CYRILLIC CAPITAL LETTER ZE WITH DIAERESIS
0482	CYRILLIC THOUSANDS SIGN	04DF	CYRILLIC SMALL LETTER ZE WITH DIAERESIS
0483	COMBINING CYRILLIC TITLO	04E0	CYRILLIC CAPITAL LETTER ABKHASIAN DZE
0484	COMBINING CYRILLIC PALATALIZATION	04E1	CYRILLIC SMALL LETTER ABKHASIAN DZE
0485	COMBINING CYRILLIC DASIA PNEUMATA	04E2	CYRILLIC CAPITAL LETTER I WITH MACRON
0486	COMBINING CYRILLIC PSILI PNEUMATA	04E3	CYRILLIC SMALL LETTER I WITH MACRON
0487	(This position shall not be used)	04E4	CYRILLIC CAPITAL LETTER I WITH DIAERESIS
0488	COMBINING CYRILLIC HUNDRED THOUSANDS SIGN	04E5	CYRILLIC SMALL LETTER I WITH DIAERESIS
0489	COMBINING CYRILLIC MILLIONS SIGN	04E6	CYRILLIC CAPITAL LETTER O WITH DIAERESIS
048A	CYRILLIC CAPITAL LETTER SHORT I WITH TAIL	04E7	CYRILLIC SMALL LETTER O WITH DIAERESIS
048B	CYRILLIC SMALL LETTER SHORT I WITH TAIL	04E8	CYRILLIC CAPITAL LETTER BARRED O
048C	CYRILLIC CAPITAL LETTER SEMISOFT SIGN	04E9	CYRILLIC SMALL LETTER BARRED O
048D	CYRILLIC SMALL LETTER SEMISOFT SIGN	04EA	CYRILLIC CAPITAL LETTER BARRED O WITH DIAERESIS
048E	CYRILLIC CAPITAL LETTER ER WITH TICK	04EB	CYRILLIC SMALL LETTER BARRED O WITH DIAERESIS
048F	CYRILLIC SMALL LETTER ER WITH TICK	04EC	CYRILLIC CAPITAL LETTER E WITH DIAERESIS
0490	CYRILLIC CAPITAL LETTER GHE WITH UPTURN	04ED	CYRILLIC SMALL LETTER E WITH DIAERESIS
0491	CYRILLIC SMALL LETTER GHE WITH UPTURN	04EE	CYRILLIC CAPITAL LETTER U WITH MACRON
0492	CYRILLIC CAPITAL LETTER GHE WITH STROKE	04EF	CYRILLIC SMALL LETTER U WITH MACRON
0493	CYRILLIC SMALL LETTER GHE WITH STROKE	04F0	CYRILLIC CAPITAL LETTER U WITH DIAERESIS
0494	CYRILLIC CAPITAL LETTER GHE WITH MIDDLE HOOK	04F1	CYRILLIC SMALL LETTER U WITH DIAERESIS
0495	CYRILLIC SMALL LETTER GHE WITH MIDDLE HOOK	04F2	CYRILLIC CAPITAL LETTER U WITH DOUBLE ACUTE
0496	CYRILLIC CAPITAL LETTER ZHE WITH DESCENDER	04F3	CYRILLIC SMALL LETTER U WITH DOUBLE ACUTE
0497	CYRILLIC SMALL LETTER ZHE WITH DESCENDER	04F4	CYRILLIC CAPITAL LETTER CHE WITH DIAERESIS
0498	CYRILLIC CAPITAL LETTER ZE WITH DESCENDER	04F5	CYRILLIC SMALL LETTER CHE WITH DIAERESIS
0499	CYRILLIC SMALL LETTER ZE WITH DESCENDER	04F6	(This position shall not be used)
049A	CYRILLIC CAPITAL LETTER KA WITH DESCENDER	04F7	(This position shall not be used)
049B	CYRILLIC SMALL LETTER KA WITH DESCENDER	04F8	CYRILLIC CAPITAL LETTER YERU WITH DIAERESIS
049C	CYRILLIC CAPITAL LETTER KA WITH VERTICAL STROKE	04F9	CYRILLIC SMALL LETTER YERU WITH DIAERESIS
049D	CYRILLIC SMALL LETTER KA WITH VERTICAL STROKE	04FA	(This position shall not be used)
049E	CYRILLIC CAPITAL LETTER KA WITH STROKE	04FB	(This position shall not be used)
049F	CYRILLIC SMALL LETTER KA WITH STROKE	04FC	(This position shall not be used)
04A0	CYRILLIC CAPITAL LETTER BASHKIR KA	04FD	(This position shall not be used)
04A1	CYRILLIC SMALL LETTER BASHKIR KA	04FE	(This position shall not be used)
04A2	CYRILLIC CAPITAL LETTER EN WITH DESCENDER	04FF	(This position shall not be used)
04A3	CYRILLIC SMALL LETTER EN WITH DESCENDER		
04A4	CYRILLIC CAPITAL LIGATURE EN GHE		
04A5	CYRILLIC SMALL LIGATURE EN GHE		
04A6	CYRILLIC CAPITAL LETTER PE WITH MIDDLE HOOK (Abkhasian)		
04A7	CYRILLIC SMALL LETTER PE WITH MIDDLE HOOK (Abkhasian)		
04A8	CYRILLIC CAPITAL LETTER ABKHASIAN HA		
04A9	CYRILLIC SMALL LETTER ABKHASIAN HA		
04AA	CYRILLIC CAPITAL LETTER ES WITH DESCENDER		
04AB	CYRILLIC SMALL LETTER ES WITH DESCENDER		
04AC	CYRILLIC CAPITAL LETTER TE WITH DESCENDER		
04AD	CYRILLIC SMALL LETTER TE WITH DESCENDER		
04AE	CYRILLIC CAPITAL LETTER STRAIGHT U		
04AF	CYRILLIC SMALL LETTER STRAIGHT U		
04B0	CYRILLIC CAPITAL LETTER STRAIGHT U WITH STROKE		
04B1	CYRILLIC SMALL LETTER STRAIGHT U WITH STROKE		
04B2	CYRILLIC CAPITAL LETTER HA WITH DESCENDER		
04B3	CYRILLIC SMALL LETTER HA WITH DESCENDER		
04B4	CYRILLIC CAPITAL LIGATURE TE TSE (Abkhasian)		
04B5	CYRILLIC SMALL LIGATURE TE TSE (Abkhasian)		
04B6	CYRILLIC CAPITAL LETTER CHE WITH DESCENDER		
04B7	CYRILLIC SMALL LETTER CHE WITH DESCENDER		
04B8	CYRILLIC CAPITAL LETTER CHE WITH VERTICAL STROKE		
04B9	CYRILLIC SMALL LETTER CHE WITH VERTICAL STROKE		
04BA	CYRILLIC CAPITAL LETTER SHHA		
04BB	CYRILLIC SMALL LETTER SHHA		
04BC	CYRILLIC CAPITAL LETTER ABKHASIAN CHE		
04BD	CYRILLIC SMALL LETTER ABKHASIAN CHE		
04BE	CYRILLIC CAPITAL LETTER ABKHASIAN CHE WITH DESCENDER		
04BF	CYRILLIC SMALL LETTER ABKHASIAN CHE WITH DESCENDER		
04C0	CYRILLIC LETTER PALOCHKA		
04C1	CYRILLIC CAPITAL LETTER ZHE WITH BREVE		
04C2	CYRILLIC SMALL LETTER ZHE WITH BREVE		
04C3	CYRILLIC CAPITAL LETTER KA WITH HOOK		
04C4	CYRILLIC SMALL LETTER KA WITH HOOK		
04C5	CYRILLIC CAPITAL LETTER EL WITH TAIL		
04C6	CYRILLIC SMALL LETTER EL WITH TAIL		
04C7	CYRILLIC CAPITAL LETTER EN WITH HOOK		
04C8	CYRILLIC SMALL LETTER EN WITH HOOK		
04C9	CYRILLIC CAPITAL LETTER EN WITH TAIL		
04CA	CYRILLIC SMALL LETTER EN WITH TAIL		
04CB	CYRILLIC CAPITAL LETTER KHAKASSIAN CHE		
04CC	CYRILLIC SMALL LETTER KHAKASSIAN CHE		
04CD	CYRILLIC CAPITAL LETTER EM WITH TAIL		
04CE	CYRILLIC SMALL LETTER EM WITH TAIL		
04CF	(This position shall not be used)		
04D0	CYRILLIC CAPITAL LETTER A WITH BREVE		
04D1	CYRILLIC SMALL LETTER A WITH BREVE		
04D2	CYRILLIC CAPITAL LETTER A WITH DIAERESIS		
04D3	CYRILLIC SMALL LETTER A WITH DIAERESIS		
04D4	CYRILLIC CAPITAL LIGATURE A IE		
04D5	CYRILLIC SMALL LIGATURE A IE		
04D6	CYRILLIC CAPITAL LETTER IE WITH BREVE		
04D7	CYRILLIC SMALL LETTER IE WITH BREVE		
04D8	CYRILLIC CAPITAL LETTER SCHWA		
04D9	CYRILLIC SMALL LETTER SCHWA		
04DA	CYRILLIC CAPITAL LETTER SCHWA WITH DIAERESIS		
04DB	CYRILLIC SMALL LETTER SCHWA WITH DIAERESIS		
04DC	CYRILLIC CAPITAL LETTER ZHE WITH DIAERESIS		

Group 00

Plane 00

Row 04

Table 13 - Row 05: Cyrillic Supplement

	050	051	052
0	Д 0500		
1	д 0501		
2	Ѣ 0502		
3	ѣ 0503		
4	Ѥ 0504		
5	ѥ 0505		
6	Ѧ 0506		
7	ѧ 0507		
8	Ѩ 0508		
9	ѩ 0509		
A	Ѫ 050A		
B	ѫ 050B		
C	Ѭ 050C		
D	ѭ 050D		
E	Ѯ 050E		
F	ѯ 050F		

G = 00
P = 00

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Table 13 - Row 05: Cyrillic Supplement

HEX	NAME	HEX	NAME
0500	CYRILLIC CAPITAL LETTER KOMI DE		
0501	CYRILLIC SMALL LETTER KOMI DE		
0502	CYRILLIC CAPITAL LETTER KOMI DJE		
0503	CYRILLIC SMALL LETTER KOMI DJE		
0504	CYRILLIC CAPITAL LETTER KOMI ZJE		
0505	CYRILLIC SMALL LETTER KOMI ZJE		
0506	CYRILLIC CAPITAL LETTER KOMI DZJE		
0507	CYRILLIC SMALL LETTER KOMI DZJE		
0508	CYRILLIC CAPITAL LETTER KOMI LJE		
0509	CYRILLIC SMALL LETTER KOMI LJE		
050A	CYRILLIC CAPITAL LETTER KOMI NJE		
050B	CYRILLIC SMALL LETTER KOMI NJE		
050C	CYRILLIC CAPITAL LETTER KOMI SJE		
050D	CYRILLIC SMALL LETTER KOMI SJE		
050E	CYRILLIC CAPITAL LETTER KOMI TJE		
050F	CYRILLIC SMALL LETTER KOMI TJE		
0510	(This position shall not be used)		
0511	(This position shall not be used)		
0512	(This position shall not be used)		
0513	(This position shall not be used)		
0514	(This position shall not be used)		
0515	(This position shall not be used)		
0516	(This position shall not be used)		
0517	(This position shall not be used)		
0518	(This position shall not be used)		
0519	(This position shall not be used)		
051A	(This position shall not be used)		
051B	(This position shall not be used)		
051C	(This position shall not be used)		
051D	(This position shall not be used)		
051E	(This position shall not be used)		
051F	(This position shall not be used)		
0520	(This position shall not be used)		
0521	(This position shall not be used)		
0522	(This position shall not be used)		
0523	(This position shall not be used)		
0524	(This position shall not be used)		
0525	(This position shall not be used)		
0526	(This position shall not be used)		
0527	(This position shall not be used)		
0528	(This position shall not be used)		
0529	(This position shall not be used)		
052A	(This position shall not be used)		
052B	(This position shall not be used)		
052C	(This position shall not be used)		
052D	(This position shall not be used)		
052E	(This position shall not be used)		
052F	(This position shall not be used)		

Group 00

Plane 00

Row 05

Table 16 - Row 06: Arabic

	060	061	062	063	064	065	066	067
0				ذ 0630	- 0640	◌ 0650	◌ 0660	◌ 0670
1			ء 0621	ر 0631	ف 0641	◌ 0651	ا 0661	آ 0671
2			آ 0622	ز 0632	ق 0642	◌ 0652	ب 0662	أ 0672
3			أ 0623	س 0633	ك 0643	◌ 0653	ج 0663	إ 0673
4			ؤ 0624	ش 0634	ل 0644	◌ 0654	ح 0664	أ 0674
5			إ 0625	ص 0635	م 0645	◌ 0655	ه 0665	أ 0675
6			ئ 0626	ض 0636	ن 0646		و 0666	ؤ 0676
7			ا 0627	ط 0637	ه 0647		ز 0667	ؤ 0677
8			ب 0628	ظ 0638	و 0648		ح 0668	ئ 0678
9			ة 0629	ع 0639	ى 0649		و 0669	ط 0679
A			ت 062A	غ 063A	ي 064A		٪ 066A	ث 067A
B		؛ 061B	ث 062B		◌ 064B		ر 066B	پ 067B
C	، 060C		ج 062C		◌ 064C		، 066C	ت 067C
D			ح 062D		◌ 064D		★ 066D	ت 067D
E			خ 062E		◌ 064E		س 066E	پ 067E
F		؟ 061F	د 062F		◌ 064F		و 066F	ث 067F

G = 00
P = 00

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Table 16 - Row 06: Arabic

HEX	NAME	HEX	NAME
0600	(This position shall not be used)	065D	(This position shall not be used)
0601	(This position shall not be used)	065E	(This position shall not be used)
0602	(This position shall not be used)	065F	(This position shall not be used)
0603	(This position shall not be used)	0660	ARABIC-INDIC DIGIT ZERO
0604	(This position shall not be used)	0661	ARABIC-INDIC DIGIT ONE
0605	(This position shall not be used)	0662	ARABIC-INDIC DIGIT TWO
0606	(This position shall not be used)	0663	ARABIC-INDIC DIGIT THREE
0607	(This position shall not be used)	0664	ARABIC-INDIC DIGIT FOUR
0608	(This position shall not be used)	0665	ARABIC-INDIC DIGIT FIVE
0609	(This position shall not be used)	0666	ARABIC-INDIC DIGIT SIX
060A	(This position shall not be used)	0667	ARABIC-INDIC DIGIT SEVEN
060B	(This position shall not be used)	0668	ARABIC-INDIC DIGIT EIGHT
060C	ARABIC COMMA	0669	ARABIC-INDIC DIGIT NINE
060D	(This position shall not be used)	066A	ARABIC PERCENT SIGN
060E	(This position shall not be used)	066B	ARABIC DECIMAL SEPARATOR
060F	(This position shall not be used)	066C	ARABIC THOUSANDS SEPARATOR
0610	(This position shall not be used)	066D	ARABIC FIVE POINTED STAR
0611	(This position shall not be used)	066E	ARABIC LETTER DOTLESS BEH
0612	(This position shall not be used)	066F	ARABIC LETTER DOTLESS QAF
0613	(This position shall not be used)	0670	ARABIC LETTER SUPERScript ALEF
0614	(This position shall not be used)	0671	ARABIC LETTER ALEF WASLA
0615	(This position shall not be used)	0672	ARABIC LETTER ALEF WITH WAVY HAMZA ABOVE
0616	(This position shall not be used)	0673	ARABIC LETTER ALEF WITH WAVY HAMZA BELOW
0617	(This position shall not be used)	0674	ARABIC LETTER HIGH HAMZA
0618	(This position shall not be used)	0675	ARABIC LETTER HIGH HAMZA ALEF
0619	(This position shall not be used)	0676	ARABIC LETTER HIGH HAMZA WAW
061A	(This position shall not be used)	0677	ARABIC LETTER U WITH HAMZA ABOVE
061B	ARABIC SEMICOLON	0678	ARABIC LETTER HIGH HAMZA YEH
061C	(This position shall not be used)	0679	ARABIC LETTER TTEH
061D	(This position shall not be used)	067A	ARABIC LETTER TTEHEH
061E	(This position shall not be used)	067B	ARABIC LETTER BEEH
061F	ARABIC QUESTION MARK	067C	ARABIC LETTER TEH WITH RING
0620	(This position shall not be used)	067D	ARABIC LETTER TEH WITH THREE DOTS ABOVE DOWNWARDS
0621	ARABIC LETTER HAMZA	067E	ARABIC LETTER PEH
0622	ARABIC LETTER ALEF WITH MADDA ABOVE	067F	ARABIC LETTER TEHEH
0623	ARABIC LETTER ALEF WITH HAMZA ABOVE		
0624	ARABIC LETTER WAW WITH HAMZA ABOVE		
0625	ARABIC LETTER ALEF WITH HAMZA BELOW		
0626	ARABIC LETTER YEH WITH HAMZA ABOVE		
0627	ARABIC LETTER ALEF		
0628	ARABIC LETTER BEH		
0629	ARABIC LETTER TEH MARBUTA		
062A	ARABIC LETTER TEH		
062B	ARABIC LETTER THEH		
062C	ARABIC LETTER JEEM		
062D	ARABIC LETTER HAH		
062E	ARABIC LETTER KHAH		
062F	ARABIC LETTER DAL		
0630	ARABIC LETTER THAL		
0631	ARABIC LETTER REH		
0632	ARABIC LETTER ZAIN		
0633	ARABIC LETTER SEEN		
0634	ARABIC LETTER SHEEN		
0635	ARABIC LETTER SAD		
0636	ARABIC LETTER DAD		
0637	ARABIC LETTER TAH		
0638	ARABIC LETTER ZAH		
0639	ARABIC LETTER AIN		
063A	ARABIC LETTER GHAIN		
063B	(This position shall not be used)		
063C	(This position shall not be used)		
063D	(This position shall not be used)		
063E	(This position shall not be used)		
063F	(This position shall not be used)		
0640	ARABIC TATWEEL		
0641	ARABIC LETTER FEH		
0642	ARABIC LETTER QAF		
0643	ARABIC LETTER KAF		
0644	ARABIC LETTER LAM		
0645	ARABIC LETTER MEEM		
0646	ARABIC LETTER NOON		
0647	ARABIC LETTER HEH		
0648	ARABIC LETTER WAW		
0649	ARABIC LETTER ALEF MAKSURA		
064A	ARABIC LETTER YEH		
064B	ARABIC FATHATAN		
064C	ARABIC DAMMATAN		
064D	ARABIC KASRATAN		
064E	ARABIC FATHA		
064F	ARABIC DAMMA		
0650	ARABIC KASRA		
0651	ARABIC SHADDA		
0652	ARABIC SUKUN		
0653	ARABIC MADDAAH ABOVE		
0654	ARABIC HAMZA ABOVE		
0655	ARABIC HAMZA BELOW		
0656	(This position shall not be used)		
0657	(This position shall not be used)		
0658	(This position shall not be used)		
0659	(This position shall not be used)		
065A	(This position shall not be used)		
065B	(This position shall not be used)		
065C	(This position shall not be used)		

Group 00

Plane 00

Row 06

Table 19 - Row 07: Thaana

078 079 07A 07B

0	 0780	 0790	 07A0	 07B0
1	 0781	 0791	 07A1	 07B1
2	 0782	 0792	 07A2	
3	 0783	 0793	 07A3	
4	 0784	 0794	 07A4	
5	 0785	 0795	 07A5	
6	 0786	 0796	 07A6	
7	 0787	 0797	 07A7	
8	 0788	 0798	 07A8	
9	 0789	 0799	 07A9	
A	 078A	 079A	 07AA	
B	 078B	 079B	 07AB	
C	 078C	 079C	 07AC	
D	 078D	 079D	 07AD	
E	 078E	 079E	 07AE	
F	 078F	 079F	 07AF	

G = 00
P = 00

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Table 19 - Row 07: Thaana

HEX	NAME	HEX	NAME
0780	THAANA LETTER HAA		
0781	THAANA LETTER SHAVIYANI		
0782	THAANA LETTER NOONU		
0783	THAANA LETTER RAA		
0784	THAANA LETTER BAA		
0785	THAANA LETTER LHAVIYANI		
0786	THAANA LETTER KAAFU		
0787	THAANA LETTER ALIFU		
0788	THAANA LETTER VAAVU		
0789	THAANA LETTER MEEMU		
078A	THAANA LETTER FAAFU		
078B	THAANA LETTER DHAALU		
078C	THAANA LETTER THAA		
078D	THAANA LETTER LAAMU		
078E	THAANA LETTER GAAFU		
078F	THAANA LETTER GNAVIYANI		
0790	THAANA LETTER SEENU		
0791	THAANA LETTER DAVIYANI		
0792	THAANA LETTER ZAVIYANI		
0793	THAANA LETTER TAVIYANI		
0794	THAANA LETTER YAA		
0795	THAANA LETTER PAVIYANI		
0796	THAANA LETTER JAVIYANI		
0797	THAANA LETTER CHAVIYANI		
0798	THAANA LETTER TTAA		
0799	THAANA LETTER HHAA		
079A	THAANA LETTER KHAA		
079B	THAANA LETTER THAALU		
079C	THAANA LETTER ZAA		
079D	THAANA LETTER SHEENU		
079E	THAANA LETTER SAADHU		
079F	THAANA LETTER DAADHU		
07A0	THAANA LETTER TO		
07A1	THAANA LETTER ZO		
07A2	THAANA LETTER AINU		
07A3	THAANA LETTER GHAINU		
07A4	THAANA LETTER QAAFU		
07A5	THAANA LETTER WAAVU		
07A6	THAANA ABAFILI		
07A7	THAANA AABAAFILI		
07A8	THAANA IBIFILI		
07A9	THAANA EEBEEFILI		
07AA	THAANA UBUFILI		
07AB	THAANA OBOOFILI		
07AC	THAANA EBEFILI		
07AD	THAANA EYBEYFILI		
07AE	THAANA OBOFILI		
07AF	THAANA OABOAFILI		
07B0	THAANA SUKUN		
07B1	THAANA LETTER NAA		
07B2	(This position shall not be used)		
07B3	(This position shall not be used)		
07B4	(This position shall not be used)		
07B5	(This position shall not be used)		
07B6	(This position shall not be used)		
07B7	(This position shall not be used)		
07B8	(This position shall not be used)		
07B9	(This position shall not be used)		
07BA	(This position shall not be used)		
07BB	(This position shall not be used)		
07BC	(This position shall not be used)		
07BD	(This position shall not be used)		
07BE	(This position shall not be used)		
07BF	(This position shall not be used)		

Group 00

Plane 00

Row 07

Table 25 - Row 0B: Tamil

	0B8	0B9	0BA	0BB	0BC	0BD	0BE	0BF
0		ஐ 0B90		ர 0BB0	ீ 0BC0			ய 0BF0
1				ற 0BB1	ு 0BC1			ா 0BF1
2	ஃ 0B82	ஐ 0B92		ல 0BB2	ே 0BC2			சு 0BF2
3	ஃ 0B83	ஐ 0B93	ண 0BA3	ள 0BB3				
4		ஐ 0B94	த 0BA4	ழ 0BB4				
5	அ 0B85	சு 0B95		வ 0BB5				
6	ஆ 0B86				ெ 0BC6			
7	இ 0B87			ஷ 0BB7	ே 0BC7	ள 0BD7	சு 0BE7	
8	ஈ 0B88		ந 0BA8	ஸ 0BB8	ை 0BC8		உ 0BE8	
9	உ 0B89	ங 0B99	ன 0BA9	ஹ 0BB9			ந 0BE9	
A	ஊ 0B8A	சு 0B9A	ப 0BAA		ொ 0BCA		சு 0BEA	
B					ோ 0BCB		ரு 0BEB	
C		ஐ 0B9C			ெள 0BCC		சு 0BEC	
D					ஃ 0BCD		எ 0BED	
E	எ 0B8E	ஞ 0B9E	ம 0BAE	ா 0BBE			அ 0BEE	
F	ஏ 0B8F	ட 0B9F	ய 0BAF	ி 0BBF			சு 0BEF	

G = 00
P = 00

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Table 25 - Row 0B: Tamil

HEX	NAME	HEX	NAME
0B80	(This position shall not be used)	0BDD	(This position shall not be used)
0B81	(This position shall not be used)	0BDE	(This position shall not be used)
0B82	TAMIL SIGN ANUSVARA	0BDF	(This position shall not be used)
0B83	TAMIL SIGN VISARGA	0BE0	(This position shall not be used)
0B84	(This position shall not be used)	0BE1	(This position shall not be used)
0B85	TAMIL LETTER A	0BE2	(This position shall not be used)
0B86	TAMIL LETTER AA	0BE3	(This position shall not be used)
0B87	TAMIL LETTER I	0BE4	(This position shall not be used)
0B88	TAMIL LETTER II	0BE5	(This position shall not be used)
0B89	TAMIL LETTER U	0BE6	(This position shall not be used)
0B8A	TAMIL LETTER UU	0BE7	TAMIL DIGIT ONE
0B8B	(This position shall not be used)	0BE8	TAMIL DIGIT TWO
0B8C	(This position shall not be used)	0BE9	TAMIL DIGIT THREE
0B8D	(This position shall not be used)	0BEA	TAMIL DIGIT FOUR
0B8E	TAMIL LETTER E	0BEB	TAMIL DIGIT FIVE
0B8F	TAMIL LETTER EE	0BEC	TAMIL DIGIT SIX
0B90	TAMIL LETTER AI	0BED	TAMIL DIGIT SEVEN
0B91	(This position shall not be used)	0BEE	TAMIL DIGIT EIGHT
0B92	TAMIL LETTER O	0BEF	TAMIL DIGIT NINE
0B93	TAMIL LETTER OO	0BF0	TAMIL NUMBER TEN
0B94	TAMIL LETTER AU	0BF1	TAMIL NUMBER ONE HUNDRED
0B95	TAMIL LETTER KA	0BF2	TAMIL NUMBER ONE THOUSAND
0B96	(This position shall not be used)	0BF3	(This position shall not be used)
0B97	(This position shall not be used)	0BF4	(This position shall not be used)
0B98	(This position shall not be used)	0BF5	(This position shall not be used)
0B99	TAMIL LETTER NGA	0BF6	(This position shall not be used)
0B9A	TAMIL LETTER CA	0BF7	(This position shall not be used)
0B9B	(This position shall not be used)	0BF8	(This position shall not be used)
0B9C	TAMIL LETTER JA	0BF9	(This position shall not be used)
0B9D	(This position shall not be used)	0BFA	(This position shall not be used)
0B9E	TAMIL LETTER NYA	0BFB	(This position shall not be used)
0B9F	TAMIL LETTER TTA	0BFC	(This position shall not be used)
0BA0	(This position shall not be used)	0BFD	(This position shall not be used)
0BA1	(This position shall not be used)	0BFE	(This position shall not be used)
0BA2	(This position shall not be used)	0BFF	(This position shall not be used)
0BA3	TAMIL LETTER NNA		
0BA4	TAMIL LETTER TA		
0BA5	(This position shall not be used)		
0BA6	(This position shall not be used)		
0BA7	(This position shall not be used)		
0BA8	TAMIL LETTER NA		
0BA9	TAMIL LETTER NNNA		
0BAA	TAMIL LETTER PA		
0BAB	(This position shall not be used)		
0BAC	(This position shall not be used)		
0BAD	(This position shall not be used)		
0BAE	TAMIL LETTER MA		
0BAF	TAMIL LETTER YA		
0BB0	TAMIL LETTER RA		
0BB1	TAMIL LETTER RRA		
0BB2	TAMIL LETTER LA		
0BB3	TAMIL LETTER LLA		
0BB4	TAMIL LETTER LLLA		
0BB5	TAMIL LETTER VA		
0BB6	(This position shall not be used)		
0BB7	TAMIL LETTER SSA		
0BB8	TAMIL LETTER SA		
0BB9	TAMIL LETTER HA		
0BBA	(This position shall not be used)		
0BBB	(This position shall not be used)		
0BBC	(This position shall not be used)		
0BBD	(This position shall not be used)		
0BBE	TAMIL VOWEL SIGN AA		
0BBF	TAMIL VOWEL SIGN I		
0BC0	TAMIL VOWEL SIGN II		
0BC1	TAMIL VOWEL SIGN U		
0BC2	TAMIL VOWEL SIGN UU		
0BC3	(This position shall not be used)		
0BC4	(This position shall not be used)		
0BC5	(This position shall not be used)		
0BC6	TAMIL VOWEL SIGN E		
0BC7	TAMIL VOWEL SIGN EE		
0BC8	TAMIL VOWEL SIGN AI		
0BC9	(This position shall not be used)		
0BCA	TAMIL VOWEL SIGN O		
0BCB	TAMIL VOWEL SIGN OO		
0BCC	TAMIL VOWEL SIGN AU		
0BCD	TAMIL SIGN VIRAMA		
0BCE	(This position shall not be used)		
0BCF	(This position shall not be used)		
0BD0	(This position shall not be used)		
0BD1	(This position shall not be used)		
0BD2	(This position shall not be used)		
0BD3	(This position shall not be used)		
0BD4	(This position shall not be used)		
0BD5	(This position shall not be used)		
0BD6	(This position shall not be used)		
0BD7	TAMIL AU LENGTH MARK		
0BD8	(This position shall not be used)		
0BD9	(This position shall not be used)		
0BDA	(This position shall not be used)		
0BDB	(This position shall not be used)		
0BDC	(This position shall not be used)		

Group 00

Plane 00

Row 0B

Table 35 - Row 10: Georgian

	10A	10B	10C	10D	10E	10F
0	Ⴊ 10A0	Ⴋ 10B0	Ⴌ 10C0	Ⴍ 10D0	Ⴎ 10E0	Ⴏ 10F0
1	Ⴐ 10A1	Ⴑ 10B1	Ⴒ 10C1	Ⴓ 10D1	Ⴔ 10E1	Ⴕ 10F1
2	Ⴗ 10A2	Ⴘ 10B2	Ⴙ 10C2	Ⴚ 10D2	Ⴛ 10E2	Ⴜ 10F2
3	Ⴝ 10A3	Ⴞ 10B3	Ⴟ 10C3	Ⴟ 10D3	Ⴟ 10E3	Ⴟ 10F3
4	Ⴟ 10A4	Ⴟ 10B4	Ⴟ 10C4	Ⴟ 10D4	Ⴟ 10E4	Ⴟ 10F4
5	Ⴟ 10A5	Ⴟ 10B5	Ⴟ 10C5	Ⴟ 10D5	Ⴟ 10E5	Ⴟ 10F5
6	Ⴟ 10A6	Ⴟ 10B6		Ⴟ 10D6	Ⴟ 10E6	Ⴟ 10F6
7	Ⴟ 10A7	Ⴟ 10B7		Ⴟ 10D7	Ⴟ 10E7	Ⴟ 10F7
8	Ⴟ 10A8	Ⴟ 10B8		Ⴟ 10D8	Ⴟ 10E8	Ⴟ 10F8
9	Ⴟ 10A9	Ⴟ 10B9		Ⴟ 10D9	Ⴟ 10E9	
A	Ⴟ 10AA	Ⴟ 10BA		Ⴟ 10DA	Ⴟ 10EA	
B	Ⴟ 10AB	Ⴟ 10BB		Ⴟ 10DB	Ⴟ 10EB	Ⴟ 10FB
C	Ⴟ 10AC	Ⴟ 10BC		Ⴟ 10DC	Ⴟ 10EC	
D	Ⴟ 10AD	Ⴟ 10BD		Ⴟ 10DD	Ⴟ 10ED	
E	Ⴟ 10AE	Ⴟ 10BE		Ⴟ 10DE	Ⴟ 10EE	
F	Ⴟ 10AF	Ⴟ 10BF		Ⴟ 10DF	Ⴟ 10EF	

G = 00
P = 00

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Table 35 - Row 10: Georgian

HEX	NAME	HEX	NAME
10A0	GEORGIAN CAPITAL LETTER AN (Khutsuri)	10FD	(This position shall not be used)
10A1	GEORGIAN CAPITAL LETTER BAN (Khutsuri)	10FE	(This position shall not be used)
10A2	GEORGIAN CAPITAL LETTER GAN (Khutsuri)	10FF	(This position shall not be used)
10A3	GEORGIAN CAPITAL LETTER DON (Khutsuri)		
10A4	GEORGIAN CAPITAL LETTER EN (Khutsuri)		
10A5	GEORGIAN CAPITAL LETTER VIN (Khutsuri)		
10A6	GEORGIAN CAPITAL LETTER ZEN (Khutsuri)		
10A7	GEORGIAN CAPITAL LETTER TAN (Khutsuri)		
10A8	GEORGIAN CAPITAL LETTER IN (Khutsuri)		
10A9	GEORGIAN CAPITAL LETTER KAN (Khutsuri)		
10AA	GEORGIAN CAPITAL LETTER LAS (Khutsuri)		
10AB	GEORGIAN CAPITAL LETTER MAN (Khutsuri)		
10AC	GEORGIAN CAPITAL LETTER NAR (Khutsuri)		
10AD	GEORGIAN CAPITAL LETTER ON (Khutsuri)		
10AE	GEORGIAN CAPITAL LETTER PAR (Khutsuri)		
10AF	GEORGIAN CAPITAL LETTER ZHAR (Khutsuri)		
10B0	GEORGIAN CAPITAL LETTER RAE (Khutsuri)		
10B1	GEORGIAN CAPITAL LETTER SAN (Khutsuri)		
10B2	GEORGIAN CAPITAL LETTER TAR (Khutsuri)		
10B3	GEORGIAN CAPITAL LETTER UN (Khutsuri)		
10B4	GEORGIAN CAPITAL LETTER PHAR (Khutsuri)		
10B5	GEORGIAN CAPITAL LETTER KHAR (Khutsuri)		
10B6	GEORGIAN CAPITAL LETTER GHAN (Khutsuri)		
10B7	GEORGIAN CAPITAL LETTER QAR (Khutsuri)		
10B8	GEORGIAN CAPITAL LETTER SHIN (Khutsuri)		
10B9	GEORGIAN CAPITAL LETTER CHIN (Khutsuri)		
10BA	GEORGIAN CAPITAL LETTER CAN (Khutsuri)		
10BB	GEORGIAN CAPITAL LETTER JIL (Khutsuri)		
10BC	GEORGIAN CAPITAL LETTER CIL (Khutsuri)		
10BD	GEORGIAN CAPITAL LETTER CHAR (Khutsuri)		
10BE	GEORGIAN CAPITAL LETTER XAN (Khutsuri)		
10BF	GEORGIAN CAPITAL LETTER JHAN (Khutsuri)		
10C0	GEORGIAN CAPITAL LETTER HAE (Khutsuri)		
10C1	GEORGIAN CAPITAL LETTER HE (Khutsuri)		
10C2	GEORGIAN CAPITAL LETTER HIE (Khutsuri)		
10C3	GEORGIAN CAPITAL LETTER WE (Khutsuri)		
10C4	GEORGIAN CAPITAL LETTER HAR (Khutsuri)		
10C5	GEORGIAN CAPITAL LETTER HOE (Khutsuri)		
10C6	(This position shall not be used)		
10C7	(This position shall not be used)		
10C8	(This position shall not be used)		
10C9	(This position shall not be used)		
10CA	(This position shall not be used)		
10CB	(This position shall not be used)		
10CC	(This position shall not be used)		
10CD	(This position shall not be used)		
10CE	(This position shall not be used)		
10CF	(This position shall not be used)		
10D0	GEORGIAN LETTER AN		
10D1	GEORGIAN LETTER BAN		
10D2	GEORGIAN LETTER GAN		
10D3	GEORGIAN LETTER DON		
10D4	GEORGIAN LETTER EN		
10D5	GEORGIAN LETTER VIN		
10D6	GEORGIAN LETTER ZEN		
10D7	GEORGIAN LETTER TAN		
10D8	GEORGIAN LETTER IN		
10D9	GEORGIAN LETTER KAN		
10DA	GEORGIAN LETTER LAS		
10DB	GEORGIAN LETTER MAN		
10DC	GEORGIAN LETTER NAR		
10DD	GEORGIAN LETTER ON		
10DE	GEORGIAN LETTER PAR		
10DF	GEORGIAN LETTER ZHAR		
10E0	GEORGIAN LETTER RAE		
10E1	GEORGIAN LETTER SAN		
10E2	GEORGIAN LETTER TAR		
10E3	GEORGIAN LETTER UN		
10E4	GEORGIAN LETTER PHAR		
10E5	GEORGIAN LETTER KHAR		
10E6	GEORGIAN LETTER GHAN		
10E7	GEORGIAN LETTER QAR		
10E8	GEORGIAN LETTER SHIN		
10E9	GEORGIAN LETTER CHIN		
10EA	GEORGIAN LETTER CAN		
10EB	GEORGIAN LETTER JIL		
10EC	GEORGIAN LETTER CIL		
10ED	GEORGIAN LETTER CHAR		
10EE	GEORGIAN LETTER XAN		
10EF	GEORGIAN LETTER JHAN		
10F0	GEORGIAN LETTER HAE		
10F1	GEORGIAN LETTER HE		
10F2	GEORGIAN LETTER HIE		
10F3	GEORGIAN LETTER WE		
10F4	GEORGIAN LETTER HAR		
10F5	GEORGIAN LETTER HOE		
10F6	GEORGIAN LETTER FI		
10F7	GEORGIAN LETTER YN		
10F8	GEORGIAN LETTER ELIFI		
10F9	(This position shall not be used)		
10FA	(This position shall not be used)		
10FB	GEORGIAN PARAGRAPH SEPARATOR		
10FC	(This position shall not be used)		

Group 00

Plane 00

Row 10

Table 38 - Row 12: Ethiopic

	120	121	122	123	124	125	126	127
0	ሀ 1200	ሐ 1210	ሠ 1220	ሰ 1230	ቀ 1240	ቅ 1250	ቦ 1260	ተ 1270
1	ሁ 1201	ሑ 1211	ሡ 1221	ሱ 1231	ቁ 1241	ቅ 1251	ቦ 1261	ቱ 1271
2	ሂ 1202	ሒ 1212	ሢ 1222	ሲ 1232	ቂ 1242	ቆ 1252	ቦ 1262	ቲ 1272
3	ሃ 1203	ሓ 1213	ሣ 1223	ሳ 1233	ቃ 1243	ቆ 1253	ቦ 1263	ታ 1273
4	ሄ 1204	ሔ 1214	ሣ 1224	ሴ 1234	ቄ 1244	ቆ 1254	ቦ 1264	ቲ 1274
5	ሀ 1205	ሐ 1215	ሥ 1225	ሰ 1235	ቅ 1245	ቆ 1255	ቦ 1265	ት 1275
6	ሀ 1206	ሐ 1216	ሦ 1226	ሰ 1236	ቆ 1246	ቆ 1256	ቦ 1266	ቶ 1276
7		ሓ 1217	ሣ 1227	ሳ 1237			ቦ 1267	ቲ 1277
8	ለ 1208	መ 1218	ረ 1228	ሸ 1238	ቈ 1248	ቆ 1258	ቨ 1268	ቸ 1278
9	ሉ 1209	ሙ 1219	ሩ 1229	ሹ 1239			ቨ 1269	ቹ 1279
A	ሊ 120A	ሚ 121A	ሪ 122A	ሺ 123A	ቊ 124A	ቆ 125A	ቪ 126A	ቻ 127A
B	ላ 120B	ማ 121B	ራ 122B	ሻ 123B	ቋ 124B	ቆ 125B	ቫ 126B	ቼ 127B
C	ሌ 120C	ሜ 121C	ሪ 122C	ሼ 123C	ቋ 124C	ቆ 125C	ቫ 126C	ቻ 127C
D	ል 120D	ም 121D	ር 122D	ሽ 123D	ቋ 124D	ቆ 125D	ቫ 126D	ቻ 127D
E	ሎ 120E	ሞ 121E	ሮ 122E	ሾ 123E			ቫ 126E	ቻ 127E
F	ሏ 120F	ሚ 121F	ሪ 122F	ሺ 123F			ቫ 126F	ቻ 127F

G = 00
P = 00

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Table 38 - Row 12: Ethiopic

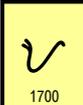
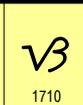
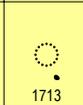
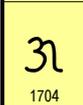
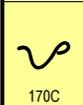
HEX	NAME	HEX	NAME
1200	ETHIOPIC SYLLABLE HA	125D	ETHIOPIC SYLLABLE QHWE
1201	ETHIOPIC SYLLABLE HU	125E	(This position shall not be used)
1202	ETHIOPIC SYLLABLE HI	125F	(This position shall not be used)
1203	ETHIOPIC SYLLABLE HAA	1260	ETHIOPIC SYLLABLE BA
1204	ETHIOPIC SYLLABLE HEE	1261	ETHIOPIC SYLLABLE BU
1205	ETHIOPIC SYLLABLE HE	1262	ETHIOPIC SYLLABLE BI
1206	ETHIOPIC SYLLABLE HO	1263	ETHIOPIC SYLLABLE BAA
1207	(This position shall not be used)	1264	ETHIOPIC SYLLABLE BEE
1208	ETHIOPIC SYLLABLE LA	1265	ETHIOPIC SYLLABLE BE
1209	ETHIOPIC SYLLABLE LU	1266	ETHIOPIC SYLLABLE BO
120A	ETHIOPIC SYLLABLE LI	1267	ETHIOPIC SYLLABLE BWA
120B	ETHIOPIC SYLLABLE LAA	1268	ETHIOPIC SYLLABLE VA
120C	ETHIOPIC SYLLABLE LEE	1269	ETHIOPIC SYLLABLE VU
120D	ETHIOPIC SYLLABLE LE	126A	ETHIOPIC SYLLABLE VI
120E	ETHIOPIC SYLLABLE LO	126B	ETHIOPIC SYLLABLE VAA
120F	ETHIOPIC SYLLABLE LWA	126C	ETHIOPIC SYLLABLE VEE
1210	ETHIOPIC SYLLABLE HHA	126D	ETHIOPIC SYLLABLE VE
1211	ETHIOPIC SYLLABLE HHU	126E	ETHIOPIC SYLLABLE VO
1212	ETHIOPIC SYLLABLE HHI	126F	ETHIOPIC SYLLABLE VWA
1213	ETHIOPIC SYLLABLE HHA	1270	ETHIOPIC SYLLABLE TA
1214	ETHIOPIC SYLLABLE HHEE	1271	ETHIOPIC SYLLABLE TU
1215	ETHIOPIC SYLLABLE HHE	1272	ETHIOPIC SYLLABLE TI
1216	ETHIOPIC SYLLABLE HHO	1273	ETHIOPIC SYLLABLE TAA
1217	ETHIOPIC SYLLABLE HHWA	1274	ETHIOPIC SYLLABLE TEE
1218	ETHIOPIC SYLLABLE MA	1275	ETHIOPIC SYLLABLE TE
1219	ETHIOPIC SYLLABLE MU	1276	ETHIOPIC SYLLABLE TO
121A	ETHIOPIC SYLLABLE MI	1277	ETHIOPIC SYLLABLE TWA
121B	ETHIOPIC SYLLABLE MAA	1278	ETHIOPIC SYLLABLE CA
121C	ETHIOPIC SYLLABLE MEE	1279	ETHIOPIC SYLLABLE CU
121D	ETHIOPIC SYLLABLE ME	127A	ETHIOPIC SYLLABLE CI
121E	ETHIOPIC SYLLABLE MO	127B	ETHIOPIC SYLLABLE CAA
121F	ETHIOPIC SYLLABLE MWA	127C	ETHIOPIC SYLLABLE CEE
1220	ETHIOPIC SYLLABLE SZA	127D	ETHIOPIC SYLLABLE CE
1221	ETHIOPIC SYLLABLE SZU	127E	ETHIOPIC SYLLABLE CO
1222	ETHIOPIC SYLLABLE SZI	127F	ETHIOPIC SYLLABLE CWA
1223	ETHIOPIC SYLLABLE SZAA		
1224	ETHIOPIC SYLLABLE SZEE		
1225	ETHIOPIC SYLLABLE SZE		
1226	ETHIOPIC SYLLABLE SZO		
1227	ETHIOPIC SYLLABLE SZWA		
1228	ETHIOPIC SYLLABLE RA		
1229	ETHIOPIC SYLLABLE RU		
122A	ETHIOPIC SYLLABLE RI		
122B	ETHIOPIC SYLLABLE RAA		
122C	ETHIOPIC SYLLABLE REE		
122D	ETHIOPIC SYLLABLE RE		
122E	ETHIOPIC SYLLABLE RO		
122F	ETHIOPIC SYLLABLE RWA		
1230	ETHIOPIC SYLLABLE SA		
1231	ETHIOPIC SYLLABLE SU		
1232	ETHIOPIC SYLLABLE SI		
1233	ETHIOPIC SYLLABLE SAA		
1234	ETHIOPIC SYLLABLE SEE		
1235	ETHIOPIC SYLLABLE SE		
1236	ETHIOPIC SYLLABLE SO		
1237	ETHIOPIC SYLLABLE SWA		
1238	ETHIOPIC SYLLABLE SHA		
1239	ETHIOPIC SYLLABLE SHU		
123A	ETHIOPIC SYLLABLE SHI		
123B	ETHIOPIC SYLLABLE SHAA		
123C	ETHIOPIC SYLLABLE SHEE		
123D	ETHIOPIC SYLLABLE SHE		
123E	ETHIOPIC SYLLABLE SHO		
123F	ETHIOPIC SYLLABLE SHWA		
1240	ETHIOPIC SYLLABLE QA		
1241	ETHIOPIC SYLLABLE QU		
1242	ETHIOPIC SYLLABLE QI		
1243	ETHIOPIC SYLLABLE QAA		
1244	ETHIOPIC SYLLABLE QEE		
1245	ETHIOPIC SYLLABLE QE		
1246	ETHIOPIC SYLLABLE QO		
1247	(This position shall not be used)		
1248	ETHIOPIC SYLLABLE QWA		
1249	(This position shall not be used)		
124A	ETHIOPIC SYLLABLE QWI		
124B	ETHIOPIC SYLLABLE QWAA		
124C	ETHIOPIC SYLLABLE QWEE		
124D	ETHIOPIC SYLLABLE QWE		
124E	(This position shall not be used)		
124F	(This position shall not be used)		
1250	ETHIOPIC SYLLABLE QHA		
1251	ETHIOPIC SYLLABLE QHU		
1252	ETHIOPIC SYLLABLE QHI		
1253	ETHIOPIC SYLLABLE QHAA		
1254	ETHIOPIC SYLLABLE QHEE		
1255	ETHIOPIC SYLLABLE QHE		
1256	ETHIOPIC SYLLABLE QHO		
1257	(This position shall not be used)		
1258	ETHIOPIC SYLLABLE QHWA		
1259	(This position shall not be used)		
125A	ETHIOPIC SYLLABLE QHWI		
125B	ETHIOPIC SYLLABLE QHWAA		
125C	ETHIOPIC SYLLABLE QHWEE		

Group 00

Plane 00

Row 12

Table 48 - Row 17: Tagalog

	170	171
0	 1700	 1710
1	 1701	 1711
2	 1702	 1712
3	 1703	 1713
4	 1704	 1714
5	 1705	
6	 1706	
7	 1707	
8	 1708	
9	 1709	
A	 170A	
B	 170B	
C	 170C	
D		
E	 170E	
F	 170F	

G = 00
P = 00

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Table 48 - Row 17: Tagalog

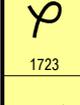
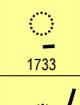
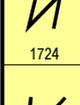
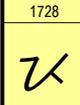
HEX	NAME	HEX	NAME
1700	TAGALOG LETTER A		
1701	TAGALOG LETTER I		
1702	TAGALOG LETTER U		
1703	TAGALOG LETTER KA		
1704	TAGALOG LETTER GA		
1705	TAGALOG LETTER NGA		
1706	TAGALOG LETTER TA		
1707	TAGALOG LETTER DA		
1708	TAGALOG LETTER NA		
1709	TAGALOG LETTER PA		
170A	TAGALOG LETTER BA		
170B	TAGALOG LETTER MA		
170C	TAGALOG LETTER YA		
170D	(This position shall not be used)		
170E	TAGALOG LETTER LA		
170F	TAGALOG LETTER WA		
1710	TAGALOG LETTER SA		
1711	TAGALOG LETTER HA		
1712	TAGALOG VOWEL SIGN I		
1713	TAGALOG VOWEL SIGN U		
1714	TAGALOG SIGN VIRAMA		
1715	(This position shall not be used)		
1716	(This position shall not be used)		
1717	(This position shall not be used)		
1718	(This position shall not be used)		
1719	(This position shall not be used)		
171A	(This position shall not be used)		
171B	(This position shall not be used)		
171C	(This position shall not be used)		
171D	(This position shall not be used)		
171E	(This position shall not be used)		
171F	(This position shall not be used)		

Group 00

Plane 00

Row 17

Table 49 - Row 17: Hanunoo

	172	173
0	 1720	 1730
1	 1721	 1731
2	 1722	 1732
3	 1723	 1733
4	 1724	 1734
5	 1725	 1735
6	 1726	 1736
7	 1727	
8	 1728	
9	 1729	
A	 172A	
B	 172B	
C	 172C	
D	 172D	
E	 172E	
F	 172F	

G = 00
P = 00

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Table 49 - Row 17: Hanunoo

HEX	NAME	HEX	NAME
1720	HANUNOO LETTER A		
1721	HANUNOO LETTER I		
1722	HANUNOO LETTER U		
1723	HANUNOO LETTER KA		
1724	HANUNOO LETTER GA		
1725	HANUNOO LETTER NGA		
1726	HANUNOO LETTER TA		
1727	HANUNOO LETTER DA		
1728	HANUNOO LETTER NA		
1729	HANUNOO LETTER PA		
172A	HANUNOO LETTER BA		
172B	HANUNOO LETTER MA		
172C	HANUNOO LETTER YA		
172D	HANUNOO LETTER RA		
172E	HANUNOO LETTER LA		
172F	HANUNOO LETTER WA		
1730	HANUNOO LETTER SA		
1731	HANUNOO LETTER HA		
1732	HANUNOO VOWEL SIGN I		
1733	HANUNOO VOWEL SIGN U		
1734	HANUNOO SIGN PAMUDPOD		
1735	PHILIPPINE SINGLE PUNCTUATION		
1736	PHILIPPINE DOUBLE PUNCTUATION		
1737	(This position shall not be used)		
1738	(This position shall not be used)		
1739	(This position shall not be used)		
173A	(This position shall not be used)		
173B	(This position shall not be used)		
173C	(This position shall not be used)		
173D	(This position shall not be used)		
173E	(This position shall not be used)		
173F	(This position shall not be used)		

Group 00

Plane 00

Row 17

Table 50 - Row 17: Buhid

	174	175
0	 1740	 1750
1	 1741	 1751
2	 1742	 1752
3	 1743	 1753
4	 1744	
5	 1745	
6	 1746	
7	 1747	
8	 1748	
9	 1749	
A	 174A	
B	 174B	
C	 174C	
D	 174D	
E	 174E	
F	 174F	

G = 00
P = 00

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Table 50 - Row 17: Buhid

HEX	NAME	HEX	NAME
1740	BUHID LETTER A		
1741	BUHID LETTER I		
1742	BUHID LETTER U		
1743	BUHID LETTER KA		
1744	BUHID LETTER GA		
1745	BUHID LETTER NGA		
1746	BUHID LETTER TA		
1747	BUHID LETTER DA		
1748	BUHID LETTER NA		
1749	BUHID LETTER PA		
174A	BUHID LETTER BA		
174B	BUHID LETTER MA		
174C	BUHID LETTER YA		
174D	BUHID LETTER RA		
174E	BUHID LETTER LA		
174F	BUHID LETTER WA		
1750	BUHID LETTER SA		
1751	BUHID LETTER HA		
1752	BUHID VOWEL SIGN I		
1753	BUHID VOWEL SIGN U		
1754	(This position shall not be used)		
1755	(This position shall not be used)		
1756	(This position shall not be used)		
1757	(This position shall not be used)		
1758	(This position shall not be used)		
1759	(This position shall not be used)		
175A	(This position shall not be used)		
175B	(This position shall not be used)		
175C	(This position shall not be used)		
175D	(This position shall not be used)		
175E	(This position shall not be used)		
175F	(This position shall not be used)		

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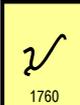
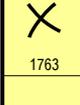
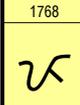
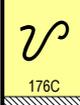
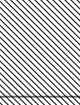
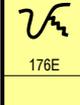
Group 00

Plane 00

Row 17

Table 51 - Row 17: Tagbanwa

176 177

0	 1760	 1770
1	 1761	
2	 1762	 1772
3	 1763	 1773
4	 1764	
5	 1765	
6	 1766	
7	 1767	
8	 1768	
9	 1769	
A	 176A	
B	 176B	
C	 176C	
D		
E	 176E	
F	 176F	

G = 00
P = 00

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Table 51 - Row 17: Tagbanwa

HEX	NAME	HEX	NAME
1760	TAGBANWA LETTER A		
1761	TAGBANWA LETTER I		
1762	TAGBANWA LETTER U		
1763	TAGBANWA LETTER KA		
1764	TAGBANWA LETTER GA		
1765	TAGBANWA LETTER NGA		
1766	TAGBANWA LETTER TA		
1767	TAGBANWA LETTER DA		
1768	TAGBANWA LETTER NA		
1769	TAGBANWA LETTER PA		
176A	TAGBANWA LETTER BA		
176B	TAGBANWA LETTER MA		
176C	TAGBANWA LETTER YA		
176D	(This position shall not be used)		
176E	TAGBANWA LETTER LA		
176F	TAGBANWA LETTER WA		
1770	TAGBANWA LETTER SA		
1771	(This position shall not be used)		
1772	TAGBANWA VOWEL SIGN I		
1773	TAGBANWA VOWEL SIGN U		
1774	(This position shall not be used)		
1775	(This position shall not be used)		
1776	(This position shall not be used)		
1777	(This position shall not be used)		
1778	(This position shall not be used)		
1779	(This position shall not be used)		
177A	(This position shall not be used)		
177B	(This position shall not be used)		
177C	(This position shall not be used)		
177D	(This position shall not be used)		
177E	(This position shall not be used)		
177F	(This position shall not be used)		

Group 00

Plane 00

Row 17

Table 52 - Row 17: Khmer

	178	179	17A	17B	17C	17D	17E	17F
0	ក 1780	ថ 1790	ហ 17A0	ព 17B0	ៀ 17C0	្ក 17D0	័ 17E0	
1	ខ 1781	ទ 1791	ឡ 17A1	ឱ 17B1	េ 17C1	្ខ 17D1	៑ 17E1	
2	គ 1782	ធ 1792	អ 17A2	ច 17B2	ែ 17C2	្គ 17D2	្ 17E2	
3	ឃ 1783	ន 1793	អ 17A3	ឪ 17B3	ៃ 17C3	្ឃ 17D3	៓ 17E3	
4	ង 1784	ប 1794	អា 17A4	៉ 17B4	ោ 17C4	្ង 17D4	។ 17E4	
5	ច 1785	ផ 1795	ត 17A5	ា 17B5	ៅ 17C5	្ច 17D5	៕ 17E5	
6	អ 1786	ព 1796	ឡ 17A6	ា 17B6	្ខ 17C6	្ឆ 17D6	៖ 17E6	
7	ជ 1787	ភ 1797	ឧ 17A7	្ក 17B7	្គ 17C7	្ជ 17D7	ៗ 17E7	
8	ឈ 1788	ម 1798	ឌ 17A8	្ខ 17B8	្ឃ 17C8	្ឈ 17D8	៘ 17E8	
9	ញ 1789	យ 1799	ឍ 17A9	្គ 17B9	្ង 17C9	្ញ 17D9	៙ 17E9	
A	ដ 178A	រ 179A	ឺ 17AA	្ឃ 17BA	្ច 17CA	្ដ 17DA		
B	ថ 178B	ល 179B	ប្រ 17AB	្ង 17BB	្ឆ 17CB	្ឋ 17DB		
C	ឌ 178C	វ 179C	ប្រ 17AC	្ច 17BC	្ជ 17CC	្ឌ 17DC		
D	ផ 178D	គ 179D	ព 17AD	្ឆ 17BD	្ឈ 17CD			
E	ណ 178E	ថ 179E	ព 17AE	្ជ 17BE	្ញ 17CE			
F	ត 178F	ស 179F	ង 17AF	្ឈ 17BF	្ដ 17CF			

G = 00
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Table 52 - Row 17: Khmer

HEX	NAME	HEX	NAME
1780	KHMER LETTER KA	17DD	(This position shall not be used)
1781	KHMER LETTER KHA	17DE	(This position shall not be used)
1782	KHMER LETTER KO	17DF	(This position shall not be used)
1783	KHMER LETTER KHO	17E0	KHMER DIGIT ZERO
1784	KHMER LETTER NGO	17E1	KHMER DIGIT ONE
1785	KHMER LETTER CA	17E2	KHMER DIGIT TWO
1786	KHMER LETTER CHA	17E3	KHMER DIGIT THREE
1787	KHMER LETTER CO	17E4	KHMER DIGIT FOUR
1788	KHMER LETTER CHO	17E5	KHMER DIGIT FIVE
1789	KHMER LETTER NYO	17E6	KHMER DIGIT SIX
178A	KHMER LETTER DA	17E7	KHMER DIGIT SEVEN
178B	KHMER LETTER TTHA	17E8	KHMER DIGIT EIGHT
178C	KHMER LETTER DO	17E9	KHMER DIGIT NINE
178D	KHMER LETTER TTHO	17EA	(This position shall not be used)
178E	KHMER LETTER NNO	17EB	(This position shall not be used)
178F	KHMER LETTER TA	17EC	(This position shall not be used)
1790	KHMER LETTER THA	17ED	(This position shall not be used)
1791	KHMER LETTER TO	17EE	(This position shall not be used)
1792	KHMER LETTER THO	17EF	(This position shall not be used)
1793	KHMER LETTER NO	17F0	(This position shall not be used)
1794	KHMER LETTER BA	17F1	(This position shall not be used)
1795	KHMER LETTER PHA	17F2	(This position shall not be used)
1796	KHMER LETTER PO	17F3	(This position shall not be used)
1797	KHMER LETTER PHO	17F4	(This position shall not be used)
1798	KHMER LETTER MO	17F5	(This position shall not be used)
1799	KHMER LETTER YO	17F6	(This position shall not be used)
179A	KHMER LETTER RO	17F7	(This position shall not be used)
179B	KHMER LETTER LO	17F8	(This position shall not be used)
179C	KHMER LETTER VO	17F9	(This position shall not be used)
179D	KHMER LETTER SHA	17FA	(This position shall not be used)
179E	KHMER LETTER SSO	17FB	(This position shall not be used)
179F	KHMER LETTER SA	17FC	(This position shall not be used)
17A0	KHMER LETTER HA	17FD	(This position shall not be used)
17A1	KHMER LETTER LA	17FE	(This position shall not be used)
17A2	KHMER LETTER QA	17FF	(This position shall not be used)
17A3	KHMER INDEPENDENT VOWEL QAQ		
17A4	KHMER INDEPENDENT VOWEL QAA		
17A5	KHMER INDEPENDENT VOWEL QI		
17A6	KHMER INDEPENDENT VOWEL QII		
17A7	KHMER INDEPENDENT VOWEL QU		
17A8	KHMER INDEPENDENT VOWEL QUK		
17A9	KHMER INDEPENDENT VOWEL QUU		
17AA	KHMER INDEPENDENT VOWEL QUUV		
17AB	KHMER INDEPENDENT VOWEL RY		
17AC	KHMER INDEPENDENT VOWEL RYY		
17AD	KHMER INDEPENDENT VOWEL LY		
17AE	KHMER INDEPENDENT VOWEL LYY		
17AF	KHMER INDEPENDENT VOWEL QE		
17B0	KHMER INDEPENDENT VOWEL QAI		
17B1	KHMER INDEPENDENT VOWEL QOO TYPE ONE		
17B2	KHMER INDEPENDENT VOWEL QOO TYPE TWO		
17B3	KHMER INDEPENDENT VOWEL QAU		
17B4	KHMER VOWEL INHERENT AQ		
17B5	KHMER VOWEL INHERENT AA		
17B6	KHMER VOWEL SIGN AA		
17B7	KHMER VOWEL SIGN I		
17B8	KHMER VOWEL SIGN II		
17B9	KHMER VOWEL SIGN Y		
17BA	KHMER VOWEL SIGN YY		
17BB	KHMER VOWEL SIGN U		
17BC	KHMER VOWEL SIGN UU		
17BD	KHMER VOWEL SIGN UA		
17BE	KHMER VOWEL SIGN OE		
17BF	KHMER VOWEL SIGN YA		
17C0	KHMER VOWEL SIGN IE		
17C1	KHMER VOWEL SIGN E		
17C2	KHMER VOWEL SIGN AE		
17C3	KHMER VOWEL SIGN AI		
17C4	KHMER VOWEL SIGN OO		
17C5	KHMER VOWEL SIGN AU		
17C6	KHMER SIGN NIKAHIT		
17C7	KHMER SIGN REAHMUK		
17C8	KHMER SIGN YUUKALEAPINTU		
17C9	KHMER SIGN MUUSIKATOAN		
17CA	KHMER SIGN TRIISAP		
17CB	KHMER SIGN BANTOC		
17CC	KHMER SIGN ROBAT		
17CD	KHMER SIGN TOANDAKHIAT		
17CE	KHMER SIGN KAKABAT		
17CF	KHMER SIGN AHSDA		
17D0	KHMER SIGN SAMYOK SANNYA		
17D1	KHMER SIGN VIRIAM		
17D2	KHMER SIGN COENG		
17D3	KHMER SIGN BATHAMASAT		
17D4	KHMER SIGN KHAN		
17D5	KHMER SIGN BARIYOOSAN		
17D6	KHMER SIGN CAMNUC PII KUUH		
17D7	KHMER SIGN LEK TOO		
17D8	KHMER SIGN BEYYAL		
17D9	KHMER SIGN PHNAEK MUAN		
17DA	KHMER SIGN KOOMUUT		
17DB	KHMER CURRENCY SYMBOL RIEL		
17DC	KHMER SIGN AVAKRAHASANYA		

Group 00

Plane 00

Row 17

Table 58 - Row 20: General Punctuation

200 201 202 203 204 205 206

0	 2000	- 2010	† 2020	‰ 2030	— 2040	◌ 2050	WJ 2060
1	 2001	 2011	‡ 2021	‱ 2031	∕ 2041	* 2051	f() 2061
2	 2002	— 2012	● 2022	′ 2032	** 2042	% 2052	× 2062
3	 2003	— 2013	▶ 2023	″ 2033	■ 2043		, 2063
4	 2004	— 2014	• 2024	‴ 2034	/ 2044		
5	 2005	— 2015	•• 2025	∖ 2035	[2045		
6	 2006	 2016	••• 2026	″ 2036	}] 2046		
7	 2007	= 2017	• 2027	≡ 2037	?? 2047	≡ 2057	
8	 2008	‘ 2018	 2028	^ 2038	?! 2048		
9	 2009	, 2019	 2029	< 2039	!? 2049		
A	 200A	, 201A	 202A	> 203A	7 204A		 206A
B	 200B	‘ 201B	 202B	⊗ 203B	¶ 204B		 206B
C	 200C	“ 201C	 202C	!! 203C	◐ 204C		 206C
D	 200D	” 201D	 202D	‡ 203D	◑ 204D		 206D
E	 200E	” 201E	 202E	— 203E	* 204E		 206E
F	 200F	“ 201F	 202F	— 203F	• 204F	 205F	 206F

G = 00
P = 00

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Table 58 - Row 20: General Punctuation

HEX	NAME	HEX	NAME
2000	EN QUAD	205D	(This position shall not be used)
2001	EM QUAD	205E	(This position shall not be used)
2002	EN SPACE	205F	MEDIUM MATHEMATICAL SPACE
2003	EM SPACE	2060	WORD JOINER
2004	THREE-PER-EM SPACE	2061	FUNCTION APPLICATION
2005	FOUR-PER-EM SPACE	2062	INVISIBLE TIMES
2006	SIX-PER-EM SPACE	2063	INVISIBLE SEPARATOR
2007	FIGURE SPACE	2064	(This position shall not be used)
2008	PUNCTUATION SPACE	2065	(This position shall not be used)
2009	THIN SPACE	2066	(This position shall not be used)
200A	HAIR SPACE	2067	(This position shall not be used)
200B	ZERO WIDTH SPACE	2068	(This position shall not be used)
200C	ZERO WIDTH NON-JOINER	2069	(This position shall not be used)
200D	ZERO WIDTH JOINER	206A	INHIBIT SYMMETRIC SWAPPING
200E	LEFT-TO-RIGHT MARK	206B	ACTIVATE SYMMETRIC SWAPPING
200F	RIGHT-TO-LEFT MARK	206C	INHIBIT ARABIC FORM SHAPING
2010	HYPHEN	206D	ACTIVATE ARABIC FORM SHAPING
2011	NON-BREAKING HYPHEN	206E	NATIONAL DIGIT SHAPES
2012	FIGURE DASH	206F	NOMINAL DIGIT SHAPES
2013	EN DASH		
2014	EM DASH		
2015	HORIZONTAL BAR		
2016	DOUBLE VERTICAL LINE		
2017	DOUBLE LOW LINE		
2018	LEFT SINGLE QUOTATION MARK		
2019	RIGHT SINGLE QUOTATION MARK		
201A	SINGLE LOW-9 QUOTATION MARK		
201B	SINGLE HIGH-REVERSED-9 QUOTATION MARK		
201C	LEFT DOUBLE QUOTATION MARK		
201D	RIGHT DOUBLE QUOTATION MARK		
201E	DOUBLE LOW-9 QUOTATION MARK		
201F	DOUBLE HIGH-REVERSED-9 QUOTATION MARK		
2020	DAGGER		
2021	DOUBLE DAGGER		
2022	BULLET		
2023	TRIANGULAR BULLET		
2024	ONE DOT LEADER		
2025	TWO DOT LEADER		
2026	HORIZONTAL ELLIPSIS		
2027	HYPHENATION POINT		
2028	LINE SEPARATOR		
2029	PARAGRAPH SEPARATOR		
202A	LEFT-TO-RIGHT EMBEDDING		
202B	RIGHT-TO-LEFT EMBEDDING		
202C	POP DIRECTIONAL FORMATTING		
202D	LEFT-TO-RIGHT OVERRIDE		
202E	RIGHT-TO-LEFT OVERRIDE		
202F	NARROW NO-BREAK SPACE		
2030	PER MILLE SIGN		
2031	PER TEN THOUSAND SIGN		
2032	PRIME		
2033	DOUBLE PRIME		
2034	TRIPLE PRIME		
2035	REVERSED PRIME		
2036	REVERSED DOUBLE PRIME		
2037	REVERSED TRIPLE PRIME		
2038	CARET		
2039	SINGLE LEFT-POINTING ANGLE QUOTATION MARK		
203A	SINGLE RIGHT-POINTING ANGLE QUOTATION MARK		
203B	REFERENCE MARK		
203C	DOUBLE EXCLAMATION MARK		
203D	INTERROBANG		
203E	OVERLINE		
203F	UNDERTIE (Enotikon)		
2040	CHARACTER TIE		
2041	CARET INSERTION POINT		
2042	ASTERISM		
2043	HYPHEN BULLET		
2044	FRACTION SLASH		
2045	LEFT SQUARE BRACKET WITH QUILL		
2046	RIGHT SQUARE BRACKET WITH QUILL		
2047	DOUBLE QUESTION MARK		
2048	QUESTION EXCLAMATION MARK		
2049	EXCLAMATION QUESTION MARK		
204A	TIRONIAN SIGN ET		
204B	REVERSED PILCROW SIGN		
204C	BLACK LEFTWARDS BULLET		
204D	BLACK RIGHTWARDS BULLET		
204E	LOW ASTERISK		
204F	REVERSED SEMICOLON		
2050	CLOSE UP		
2051	TWO ASTERISKS ALIGNED VERTICALLY		
2052	COMMERCIAL MINUS SIGN		
2053	(This position shall not be used)		
2054	(This position shall not be used)		
2055	(This position shall not be used)		
2056	(This position shall not be used)		
2057	QUADRUPLE PRIME		
2058	(This position shall not be used)		
2059	(This position shall not be used)		
205A	(This position shall not be used)		
205B	(This position shall not be used)		
205C	(This position shall not be used)		

Group 00

Plane 00

Row 20

Table 59 - Row 20: Superscripts and Subscripts

	207	208	209
0	0 2070	0 2080	
1	i 2071	1 2081	
2		2 2082	
3		3 2083	
4	4 2074	4 2084	
5	5 2075	5 2085	
6	6 2076	6 2086	
7	7 2077	7 2087	
8	8 2078	8 2088	
9	9 2079	9 2089	
A	+ 207A	+ 208A	
B	- 207B	- 208B	
C	= 207C	= 208C	
D	(207D	(208D	
E) 207E) 208E	
F	n 207F		

G = 00
P = 00

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Table 59 - Row 20: Superscripts and Subscripts

HEX	NAME	HEX	NAME
2070	SUPERSCRIPIT ZERO		
2071	SUPERSCRIPIT LATIN SMALL LETTER I		
2072	(This position shall not be used)		
2073	(This position shall not be used)		
2074	SUPERSCRIPIT FOUR		
2075	SUPERSCRIPIT FIVE		
2076	SUPERSCRIPIT SIX		
2077	SUPERSCRIPIT SEVEN		
2078	SUPERSCRIPIT EIGHT		
2079	SUPERSCRIPIT NINE		
207A	SUPERSCRIPIT PLUS SIGN		
207B	SUPERSCRIPIT MINUS		
207C	SUPERSCRIPIT EQUALS SIGN		
207D	SUPERSCRIPIT LEFT PARENTHESIS		
207E	SUPERSCRIPIT RIGHT PARENTHESIS		
207F	SUPERSCRIPIT LATIN SMALL LETTER N		
2080	SUBSCRIPIT ZERO		
2081	SUBSCRIPIT ONE		
2082	SUBSCRIPIT TWO		
2083	SUBSCRIPIT THREE		
2084	SUBSCRIPIT FOUR		
2085	SUBSCRIPIT FIVE		
2086	SUBSCRIPIT SIX		
2087	SUBSCRIPIT SEVEN		
2088	SUBSCRIPIT EIGHT		
2089	SUBSCRIPIT NINE		
208A	SUBSCRIPIT PLUS SIGN		
208B	SUBSCRIPIT MINUS		
208C	SUBSCRIPIT EQUALS SIGN		
208D	SUBSCRIPIT LEFT PARENTHESIS		
208E	SUBSCRIPIT RIGHT PARENTHESIS		
208F	(This position shall not be used)		
2090	(This position shall not be used)		
2091	(This position shall not be used)		
2092	(This position shall not be used)		
2093	(This position shall not be used)		
2094	(This position shall not be used)		
2095	(This position shall not be used)		
2096	(This position shall not be used)		
2097	(This position shall not be used)		
2098	(This position shall not be used)		
2099	(This position shall not be used)		
209A	(This position shall not be used)		
209B	(This position shall not be used)		
209C	(This position shall not be used)		
209D	(This position shall not be used)		
209E	(This position shall not be used)		
209F	(This position shall not be used)		

Group 00

Plane 00

Row 20

Table 60 - Row 20: Currency Symbols

	20A	20B	20C
0	€ 20A0	Ⱶ 20B0	
1	₣ 20A1	₧ 20B1	
2	₵ 20A2		
3	₶ 20A3		
4	₷ 20A4		
5	₸ 20A5		
6	₹ 20A6		
7	₺ 20A7		
8	₻ 20A8		
9	₼ 20A9		
A	₽ 20AA		
B	₾ 20AB		
C	₿ 20AC		
D	₺ 20AD		
E	₻ 20AE		
F	₼ 20AF		

G = 00
P = 00

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Table 60 - Row 20: Currency Symbols

HEX	NAME	HEX	NAME
20A0	EURO-CURRENCY SIGN		
20A1	COLON SIGN		
20A2	CRUZEIRO SIGN		
20A3	FRENCH FRANC SIGN		
20A4	LIRA SIGN		
20A5	MILL SIGN		
20A6	NAIRA SIGN		
20A7	PESETA SIGN		
20A8	RUPEE SIGN		
20A9	WON SIGN		
20AA	NEW SHEQEL SIGN		
20AB	DONG SIGN		
20AC	EURO SIGN		
20AD	KIP SIGN		
20AE	TUGRIK SIGN		
20AF	DRACHMA SIGN		
20B0	GERMAN PENNY SIGN		
20B1	PESO SIGN		
20B2	(This position shall not be used)		
20B3	(This position shall not be used)		
20B4	(This position shall not be used)		
20B5	(This position shall not be used)		
20B6	(This position shall not be used)		
20B7	(This position shall not be used)		
20B8	(This position shall not be used)		
20B9	(This position shall not be used)		
20BA	(This position shall not be used)		
20BB	(This position shall not be used)		
20BC	(This position shall not be used)		
20BD	(This position shall not be used)		
20BE	(This position shall not be used)		
20BF	(This position shall not be used)		
20C0	(This position shall not be used)		
20C1	(This position shall not be used)		
20C2	(This position shall not be used)		
20C3	(This position shall not be used)		
20C4	(This position shall not be used)		
20C5	(This position shall not be used)		
20C6	(This position shall not be used)		
20C7	(This position shall not be used)		
20C8	(This position shall not be used)		
20C9	(This position shall not be used)		
20CA	(This position shall not be used)		
20CB	(This position shall not be used)		
20CC	(This position shall not be used)		
20CD	(This position shall not be used)		
20CE	(This position shall not be used)		
20CF	(This position shall not be used)		

Group 00

Plane 00

Row 20

Table 61 - Row 20: Combining Diacritical Marks for Symbols

	20D	20E	20F
0	 20D0	 20E0	
1	 20D1	 20E1	
2	 20D2	 20E2	
3	 20D3	 20E3	
4	 20D4	 20E4	
5	 20D5	 20E5	
6	 20D6	 20E6	
7	 20D7	 20E7	
8	 20D8	 20E8	
9	 20D9	 20E9	
A	 20DA	 20EA	
B	 20DB		
C	 20DC		
D	 20DD		
E	 20DE		
F	 20DF		

G = 00
P = 00

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Table 61 - Row 20: Combining Diacritical Marks for Symbols

HEX	NAME	HEX	NAME
20D0	COMBINING LEFT HARPOON ABOVE		
20D1	COMBINING RIGHT HARPOON ABOVE		
20D2	COMBINING LONG VERTICAL LINE OVERLAY		
20D3	COMBINING SHORT VERTICAL LINE OVERLAY		
20D4	COMBINING ANTICLOCKWISE ARROW ABOVE		
20D5	COMBINING CLOCKWISE ARROW ABOVE		
20D6	COMBINING LEFT ARROW ABOVE		
20D7	COMBINING RIGHT ARROW ABOVE		
20D8	COMBINING RING OVERLAY		
20D9	COMBINING CLOCKWISE RING OVERLAY		
20DA	COMBINING ANTICLOCKWISE RING OVERLAY		
20DB	COMBINING THREE DOTS ABOVE		
20DC	COMBINING FOUR DOTS ABOVE		
20DD	COMBINING ENCLOSING CIRCLE		
20DE	COMBINING ENCLOSING SQUARE		
20DF	COMBINING ENCLOSING DIAMOND		
20E0	COMBINING ENCLOSING CIRCLE BACKSLASH		
20E1	COMBINING LEFT RIGHT ARROW ABOVE		
20E2	COMBINING ENCLOSING SCREEN		
20E3	COMBINING ENCLOSING KEYCAP		
20E4	COMBINING ENCLOSING UPWARD POINTING TRIANGLE		
20E5	COMBINING REVERSE SOLIDUS OVERLAY		
20E6	COMBINING DOUBLE VERTICAL STROKE OVERLAY		
20E7	COMBINING ANNUITY SYMBOL		
20E8	COMBINING TRIPLE UNDERDOT		
20E9	COMBINING WIDE BRIDGE ABOVE		
20EA	COMBINING LEFTWARDS ARROW OVERLAY		
20EB	(This position shall not be used)		
20EC	(This position shall not be used)		
20ED	(This position shall not be used)		
20EE	(This position shall not be used)		
20EF	(This position shall not be used)		
20F0	(This position shall not be used)		
20F1	(This position shall not be used)		
20F2	(This position shall not be used)		
20F3	(This position shall not be used)		
20F4	(This position shall not be used)		
20F5	(This position shall not be used)		
20F6	(This position shall not be used)		
20F7	(This position shall not be used)		
20F8	(This position shall not be used)		
20F9	(This position shall not be used)		
20FA	(This position shall not be used)		
20FB	(This position shall not be used)		
20FC	(This position shall not be used)		
20FD	(This position shall not be used)		
20FE	(This position shall not be used)		
20FF	(This position shall not be used)		

Group 00

Plane 00

Row 20

Table 62 - Row 21: Letterlike Symbols

	210	211	212	213	214
0	<i>a/c</i> 2100	<i>J</i> 2110	SM 2120	<i>E</i> 2130	Σ 2140
1	<i>a/s</i> 2101	<i>J</i> 2111	TEL 2121	<i>F</i> 2131	\mathcal{G} 2141
2	\mathcal{C} 2102	<i>L</i> 2112	TM 2122	\mathcal{H} 2132	\mathcal{T} 2142
3	$^{\circ}\mathcal{C}$ 2103	<i>l</i> 2113	\mathcal{V} 2123	<i>M</i> 2133	\mathcal{J} 2143
4	\mathcal{C} 2104	\mathcal{W} 2114	\mathcal{Z} 2124	<i>e</i> 2134	\mathcal{A} 2144
5	$\%$ 2105	\mathcal{N} 2115	\mathcal{Z} 2125	\mathcal{X} 2135	\mathcal{D} 2145
6	$\%u$ 2106	\mathcal{N}_o 2116	Ω 2126	\mathcal{G} 2136	<i>d</i> 2146
7	\mathcal{E} 2107	\mathcal{P} 2117	\mathcal{U} 2127	\mathcal{L} 2137	<i>e</i> 2147
8	\mathcal{D} 2108	\mathcal{S} 2118	\mathcal{Z} 2128	\mathcal{T} 2138	<i>i</i> 2148
9	$^{\circ}\mathcal{F}$ 2109	\mathcal{P} 2119	\mathcal{I} 2129	\mathcal{I} 2139	<i>j</i> 2149
A	<i>g</i> 210A	\mathcal{Q} 211A	\mathcal{K} 212A	\mathcal{O} 213A	\mathcal{P} 214A
B	<i>H</i> 210B	<i>R</i> 211B	\mathring{A} 212B		\mathcal{X} 214B
C	\mathcal{H} 210C	\mathcal{R} 211C	\mathcal{B} 212C		
D	\mathcal{H} 210D	\mathcal{R} 211D	\mathcal{C} 212D	\mathcal{Y} 213D	
E	<i>h</i> 210E	\mathcal{R} 211E	<i>e</i> 212E	\mathcal{T} 213E	
F	<i>h</i> 210F	\mathcal{R} 211F	<i>e</i> 212F	\mathcal{T} 213F	

G = 00
P = 00

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Table 62 - Row 21: Letterlike Symbols

HEX	NAME	HEX	NAME
2100	ACCOUNT OF		
2101	ADDRESSED TO THE SUBJECT		
2102	DOUBLE-STRUCK CAPITAL C		
2103	DEGREE CELSIUS		
2104	CENTRE LINE SYMBOL		
2105	CARE OF		
2106	CADA UNA		
2107	EULER CONSTANT		
2108	SCRUPLE		
2109	DEGREE FAHRENHEIT		
210A	SCRIPT SMALL G		
210B	SCRIPT CAPITAL H		
210C	BLACK-LETTER CAPITAL H		
210D	DOUBLE-STRUCK CAPITAL H		
210E	PLANCK CONSTANT		
210F	PLANCK CONSTANT OVER TWO PI		
2110	SCRIPT CAPITAL I		
2111	BLACK-LETTER CAPITAL I		
2112	SCRIPT CAPITAL L		
2113	SCRIPT SMALL L		
2114	L B BAR SYMBOL		
2115	DOUBLE-STRUCK CAPITAL N		
2116	NUMERO SIGN		
2117	SOUND RECORDING COPYRIGHT		
2118	SCRIPT CAPITAL P		
2119	DOUBLE-STRUCK CAPITAL P		
211A	DOUBLE-STRUCK CAPITAL Q		
211B	SCRIPT CAPITAL R		
211C	BLACK-LETTER CAPITAL R		
211D	DOUBLE-STRUCK CAPITAL R		
211E	PRESCRIPTION TAKE		
211F	RESPONSE		
2120	SERVICE MARK		
2121	TELEPHONE SIGN		
2122	TRADE MARK SIGN		
2123	VERSICLE		
2124	DOUBLE-STRUCK CAPITAL Z		
2125	OUNCE SIGN		
2126	OHM SIGN		
2127	INVERTED OHM SIGN		
2128	BLACK-LETTER CAPITAL Z		
2129	TURNED GREEK SMALL LETTER IOTA		
212A	KELVIN SIGN		
212B	ANGSTROM SIGN		
212C	SCRIPT CAPITAL B		
212D	BLACK-LETTER CAPITAL C		
212E	ESTIMATED SYMBOL		
212F	SCRIPT SMALL E		
2130	SCRIPT CAPITAL E		
2131	SCRIPT CAPITAL F		
2132	TURNED CAPITAL F		
2133	SCRIPT CAPITAL M		
2134	SCRIPT SMALL O		
2135	ALEF SYMBOL		
2136	BET SYMBOL		
2137	GIMEL SYMBOL		
2138	DALET SYMBOL		
2139	INFORMATION SOURCE		
213A	ROTATED CAPITAL Q		
213B	(This position shall not be used)		
213C	(This position shall not be used)		
213D	DOUBLE-STRUCK SMALL GAMMA		
213E	DOUBLE-STRUCK CAPITAL GAMMA		
213F	DOUBLE-STRUCK CAPITAL PI		
2140	DOUBLE-STRUCK N-ARY SUMMATION		
2141	TURNED SANS-SERIF CAPITAL G		
2142	TURNED SANS-SERIF CAPITAL L		
2143	REVERSED SANS-SERIF CAPITAL L		
2144	TURNED SANS-SERIF CAPITAL Y		
2145	DOUBLE-STRUCK ITALIC CAPITAL D		
2146	DOUBLE-STRUCK ITALIC SMALL D		
2147	DOUBLE-STRUCK ITALIC SMALL E		
2148	DOUBLE-STRUCK ITALIC SMALL I		
2149	DOUBLE-STRUCK ITALIC SMALL J		
214A	PROPERTY LINE		
214B	TURNED AMPERSAND		
214C	(This position shall not be used)		
214D	(This position shall not be used)		
214E	(This position shall not be used)		
214F	(This position shall not be used)		

Group 00

Plane 00

Row 21

Table 64 - Row 21: Arrows

	219	21A	21B	21C	21D	21E	21F
0	 2190	 21A0	 21B0	 21C0	 21D0	 21E0	 21F0
1	 2191	 21A1	 21B1	 21C1	 21D1	 21E1	 21F1
2	 2192	 21A2	 21B2	 21C2	 21D2	 21E2	 21F2
3	 2193	 21A3	 21B3	 21C3	 21D3	 21E3	 21F3
4	 2194	 21A4	 21B4	 21C4	 21D4	 21E4	 21F4
5	 2195	 21A5	 21B5	 21C5	 21D5	 21E5	 21F5
6	 2196	 21A6	 21B6	 21C6	 21D6	 21E6	 21F6
7	 2197	 21A7	 21B7	 21C7	 21D7	 21E7	 21F7
8	 2198	 21A8	 21B8	 21C8	 21D8	 21E8	 21F8
9	 2199	 21A9	 21B9	 21C9	 21D9	 21E9	 21F9
A	 219A	 21AA	 21BA	 21CA	 21DA	 21EA	 21FA
B	 219B	 21AB	 21BB	 21CB	 21DB	 21EB	 21FB
C	 219C	 21AC	 21BC	 21CC	 21DC	 21EC	 21FC
D	 219D	 21AD	 21BD	 21CD	 21DD	 21ED	 21FD
E	 219E	 21AE	 21BE	 21CE	 21DE	 21EE	 21FE
F	 219F	 21AF	 21BF	 21CF	 21DF	 21EF	 21FF

G = 00
P = 00

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Table 64 - Row 21: Arrows

HEX	NAME	HEX	NAME
2190	LEFTWARDS ARROW	21ED	UPWARDS WHITE ARROW ON PEDESTAL WITH VERTICAL BAR
2191	UPWARDS ARROW	21EE	UPWARDS WHITE DOUBLE ARROW
2192	RIGHTWARDS ARROW	21EF	UPWARDS WHITE DOUBLE ARROW ON PEDESTAL
2193	DOWNWARDS ARROW	21F0	RIGHTWARDS WHITE ARROW FROM WALL
2194	LEFT RIGHT ARROW	21F1	NORTH WEST ARROW TO CORNER
2195	UP DOWN ARROW	21F2	SOUTH EAST ARROW TO CORNER
2196	NORTH WEST ARROW	21F3	UP DOWN WHITE ARROW
2197	NORTH EAST ARROW	21F4	RIGHT ARROW WITH SMALL CIRCLE
2198	SOUTH EAST ARROW	21F5	DOWNWARDS ARROW LEFTWARDS OF UPWARDS ARROW
2199	SOUTH WEST ARROW	21F6	THREE RIGHTWARDS ARROWS
219A	LEFTWARDS ARROW WITH STROKE	21F7	LEFTWARDS ARROW WITH VERTICAL STROKE
219B	RIGHTWARDS ARROW WITH STROKE	21F8	RIGHTWARDS ARROW WITH VERTICAL STROKE
219C	LEFTWARDS WAVE ARROW	21F9	LEFT RIGHT ARROW WITH VERTICAL STROKE
219D	RIGHTWARDS WAVE ARROW	21FA	LEFTWARDS ARROW WITH DOUBLE VERTICAL STROKE
219E	LEFTWARDS TWO HEADED ARROW	21FB	RIGHTWARDS ARROW WITH DOUBLE VERTICAL STROKE
219F	UPWARDS TWO HEADED ARROW	21FC	LEFT RIGHT ARROW WITH DOUBLE VERTICAL STROKE
21A0	RIGHTWARDS TWO HEADED ARROW	21FD	LEFTWARDS OPEN-HEADED ARROW
21A1	DOWNWARDS TWO HEADED ARROW	21FE	RIGHTWARDS OPEN-HEADED ARROW
21A2	LEFTWARDS ARROW WITH TAIL	21FF	LEFT RIGHT OPEN-HEADED ARROW
21A3	RIGHTWARDS ARROW WITH TAIL		
21A4	LEFTWARDS ARROW FROM BAR		
21A5	UPWARDS ARROW FROM BAR		
21A6	RIGHTWARDS ARROW FROM BAR		
21A7	DOWNWARDS ARROW FROM BAR		
21A8	UP DOWN ARROW WITH BASE		
21A9	LEFTWARDS ARROW WITH HOOK		
21AA	RIGHTWARDS ARROW WITH HOOK		
21AB	LEFTWARDS ARROW WITH LOOP		
21AC	RIGHTWARDS ARROW WITH LOOP		
21AD	LEFT RIGHT WAVE ARROW		
21AE	LEFT RIGHT ARROW WITH STROKE		
21AF	DOWNWARDS ZIGZAG ARROW		
21B0	UPWARDS ARROW WITH TIP LEFTWARDS		
21B1	UPWARDS ARROW WITH TIP RIGHTWARDS		
21B2	DOWNWARDS ARROW WITH TIP LEFTWARDS		
21B3	DOWNWARDS ARROW WITH TIP RIGHTWARDS		
21B4	RIGHTWARDS ARROW WITH CORNER DOWNWARDS		
21B5	DOWNWARDS ARROW WITH CORNER LEFTWARDS		
21B6	ANTICLOCKWISE TOP SEMICIRCLE ARROW		
21B7	CLOCKWISE TOP SEMICIRCLE ARROW		
21B8	NORTH WEST ARROW TO LONG BAR		
21B9	LEFTWARDS ARROW TO BAR OVER RIGHTWARDS ARROW TO BAR		
21BA	ANTICLOCKWISE OPEN CIRCLE ARROW		
21BB	CLOCKWISE OPEN CIRCLE ARROW		
21BC	LEFTWARDS HARPOON WITH BARB UPWARDS		
21BD	LEFTWARDS HARPOON WITH BARB DOWNWARDS		
21BE	UPWARDS HARPOON WITH BARB RIGHTWARDS		
21BF	UPWARDS HARPOON WITH BARB LEFTWARDS		
21C0	RIGHTWARDS HARPOON WITH BARB UPWARDS		
21C1	RIGHTWARDS HARPOON WITH BARB DOWNWARDS		
21C2	DOWNWARDS HARPOON WITH BARB RIGHTWARDS		
21C3	DOWNWARDS HARPOON WITH BARB LEFTWARDS		
21C4	RIGHTWARDS ARROW OVER LEFTWARDS ARROW		
21C5	UPWARDS ARROW LEFTWARDS OF DOWNWARDS ARROW		
21C6	LEFTWARDS ARROW OVER RIGHTWARDS ARROW		
21C7	LEFTWARDS PAIRED ARROWS		
21C8	UPWARDS PAIRED ARROWS		
21C9	RIGHTWARDS PAIRED ARROWS		
21CA	DOWNWARDS PAIRED ARROWS		
21CB	LEFTWARDS HARPOON OVER RIGHTWARDS HARPOON		
21CC	RIGHTWARDS HARPOON OVER LEFTWARDS HARPOON		
21CD	LEFTWARDS DOUBLE ARROW WITH STROKE		
21CE	LEFT RIGHT DOUBLE ARROW WITH STROKE		
21CF	RIGHTWARDS DOUBLE ARROW WITH STROKE		
21D0	LEFTWARDS DOUBLE ARROW		
21D1	UPWARDS DOUBLE ARROW		
21D2	RIGHTWARDS DOUBLE ARROW		
21D3	DOWNWARDS DOUBLE ARROW		
21D4	LEFT RIGHT DOUBLE ARROW		
21D5	UP DOWN DOUBLE ARROW		
21D6	NORTH WEST DOUBLE ARROW		
21D7	NORTH EAST DOUBLE ARROW		
21D8	SOUTH EAST DOUBLE ARROW		
21D9	SOUTH WEST DOUBLE ARROW		
21DA	LEFTWARDS TRIPLE ARROW		
21DB	RIGHTWARDS TRIPLE ARROW		
21DC	LEFTWARDS SQUIGGLE ARROW		
21DD	RIGHTWARDS SQUIGGLE ARROW		
21DE	UPWARDS ARROW WITH DOUBLE STROKE		
21DF	DOWNWARDS ARROW WITH DOUBLE STROKE		
21E0	LEFTWARDS DASHED ARROW		
21E1	UPWARDS DASHED ARROW		
21E2	RIGHTWARDS DASHED ARROW		
21E3	DOWNWARDS DASHED ARROW		
21E4	LEFTWARDS ARROW TO BAR		
21E5	RIGHTWARDS ARROW TO BAR		
21E6	LEFTWARDS WHITE ARROW		
21E7	UPWARDS WHITE ARROW		
21E8	RIGHTWARDS WHITE ARROW		
21E9	DOWNWARDS WHITE ARROW		
21EA	UPWARDS WHITE ARROW FROM BAR		
21EB	UPWARDS WHITE ARROW ON PEDESTAL		
21EC	UPWARDS WHITE ARROW ON PEDESTAL WITH HORIZONTAL BAR		

Group 00

Plane 00

Row 21

Table 65 - Row 22: Mathematical Operators

	220	221	222	223	224	225	226	227
0	∇ 2200	\sqcup 2210	\angle 2220	\mathfrak{F} 2230	\wr 2240	\doteq 2250	\neq 2260	\nlessdot 2270
1	\mathcal{C} 2201	Σ 2211	Δ 2221	\mathfrak{f} 2231	\mathcal{Z} 2241	\doteq 2251	\equiv 2261	\nlessdot 2271
2	∂ 2202	$-$ 2212	\mathfrak{A} 2222	\mathfrak{f} 2232	\approx 2242	\doteq 2252	\neq 2262	\nlessdot 2272
3	\exists 2203	\mp 2213	$ $ 2223	\mathfrak{f} 2233	\approx 2243	\doteq 2253	\equiv 2263	\nlessdot 2273
4	\mathfrak{A} 2204	\dagger 2214	\dagger 2224	\therefore 2234	\neq 2244	\doteq 2254	\nlessdot 2264	\nlessdot 2274
5	\emptyset 2205	$/$ 2215	\parallel 2225	\therefore 2235	\approx 2245	\doteq 2255	\nlessdot 2265	\nlessdot 2275
6	Δ 2206	\diagdown 2216	\mathfrak{K} 2226	\therefore 2236	\approx 2246	\mathfrak{H} 2256	\nlessdot 2266	\nlessdot 2276
7	∇ 2207	$*$ 2217	\wedge 2227	\mathfrak{K} 2237	\approx 2247	\circ 2257	\nlessdot 2267	\nlessdot 2277
8	\in 2208	\circ 2218	∇ 2228	\doteq 2238	\approx 2248	\doteq 2258	\nlessdot 2268	\nlessdot 2278
9	\notin 2209	\bullet 2219	\cap 2229	\doteq 2239	\neq 2249	\nlessdot 2259	\nlessdot 2269	\nlessdot 2279
A	\in 220A	$\sqrt{\quad}$ 221A	\cup 222A	\doteq 223A	\approx 224A	\nlessdot 225A	\nlessdot 226A	\nlessdot 227A
B	\ni 220B	$\sqrt[3]{\quad}$ 221B	\int 222B	\doteq 223B	\approx 224B	\nlessdot 225B	\nlessdot 226B	\nlessdot 227B
C	\nlessdot 220C	$\sqrt[4]{\quad}$ 221C	\iint 222C	\sim 223C	\approx 224C	\nlessdot 225C	\nlessdot 226C	\nlessdot 227C
D	\ni 220D	∞ 221D	\iiint 222D	\sim 223D	\nlessdot 224D	$\stackrel{\text{def}}{=}$ 225D	\nlessdot 226D	\nlessdot 227D
E	\blacksquare 220E	∞ 221E	\mathfrak{f} 222E	\sim 223E	\nlessdot 224E	\nlessdot 225E	\nlessdot 226E	\nlessdot 227E
F	\prod 220F	\llcorner 221F	\mathfrak{F} 222F	\sim 223F	\nlessdot 224F	\nlessdot 225F	\nlessdot 226F	\nlessdot 227F

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Table 65 - Row 22: Mathematical Operators

HEX	NAME	HEX	NAME
2200	FOR ALL	225D	EQUAL TO BY DEFINITION
2201	COMPLEMENT	225E	MEASURED BY
2202	PARTIAL DIFFERENTIAL	225F	QUESTIONED EQUAL TO
2203	THERE EXISTS	2260	NOT EQUAL TO
2204	THERE DOES NOT EXIST	2261	IDENTICAL TO
2205	EMPTY SET	2262	NOT IDENTICAL TO
2206	INCREMENT	2263	STRICTLY EQUIVALENT TO
2207	NABLA	2264	LESS-THAN OR EQUAL TO
2208	ELEMENT OF	2265	GREATER-THAN OR EQUAL TO
2209	NOT AN ELEMENT OF	2266	LESS-THAN OVER EQUAL TO
220A	SMALL ELEMENT OF	2267	GREATER-THAN OVER EQUAL TO
220B	CONTAINS AS MEMBER	2268	LESS-THAN BUT NOT EQUAL TO
220C	DOES NOT CONTAIN AS MEMBER	2269	GREATER-THAN BUT NOT EQUAL TO
220D	SMALL CONTAINS AS MEMBER	226A	MUCH LESS-THAN
220E	END OF PROOF	226B	MUCH GREATER-THAN
220F	N-ARY PRODUCT	226C	BETWEEN
2210	N-ARY COPRODUCT	226D	NOT EQUIVALENT TO
2211	N-ARY SUMMATION	226E	NOT LESS-THAN
2212	MINUS SIGN	226F	NOT GREATER-THAN
2213	MINUS-OR-PLUS SIGN	2270	NEITHER LESS-THAN NOR EQUAL TO
2214	DOT PLUS	2271	NEITHER GREATER-THAN NOR EQUAL TO
2215	DIVISION SLASH	2272	LESS-THAN OR EQUIVALENT TO
2216	SET MINUS	2273	GREATER-THAN OR EQUIVALENT TO
2217	ASTERISK OPERATOR	2274	NEITHER LESS-THAN NOR EQUIVALENT TO
2218	RING OPERATOR	2275	NEITHER GREATER-THAN NOR EQUIVALENT TO
2219	BULLET OPERATOR	2276	LESS-THAN OR GREATER-THAN
221A	SQUARE ROOT	2277	GREATER-THAN OR LESS-THAN
221B	CUBE ROOT	2278	NEITHER LESS-THAN NOR GREATER-THAN
221C	FOURTH ROOT	2279	NEITHER GREATER-THAN NOR LESS-THAN
221D	PROPORTIONAL TO	227A	PRECEDES
221E	INFINITY	227B	SUCCEEDS
221F	RIGHT ANGLE	227C	PRECEDES OR EQUAL TO
2220	ANGLE	227D	SUCCEEDS OR EQUAL TO
2221	MEASURED ANGLE	227E	PRECEDES OR EQUIVALENT TO
2222	SPHERICAL ANGLE	227F	SUCCEEDS OR EQUIVALENT TO
2223	DIVIDES		
2224	DOES NOT DIVIDE		
2225	PARALLEL TO		
2226	NOT PARALLEL TO		
2227	LOGICAL AND		
2228	LOGICAL OR		
2229	INTERSECTION		
222A	UNION		
222B	INTEGRAL		
222C	DOUBLE INTEGRAL		
222D	TRIPLE INTEGRAL		
222E	CONTOUR INTEGRAL		
222F	SURFACE INTEGRAL		
2230	VOLUME INTEGRAL		
2231	CLOCKWISE INTEGRAL		
2232	CLOCKWISE CONTOUR INTEGRAL		
2233	ANTICLOCKWISE CONTOUR INTEGRAL		
2234	THEREFORE		
2235	BECAUSE		
2236	RATIO		
2237	PROPORTION		
2238	DOT MINUS		
2239	EXCESS		
223A	GEOMETRIC PROPORTION		
223B	HOMOTHETIC		
223C	TILDE OPERATOR		
223D	REVERSED TILDE (lazy S)		
223E	INVERTED LAZY S		
223F	SINE WAVE		
2240	WREATH PRODUCT		
2241	NOT TILDE		
2242	MINUS TILDE		
2243	ASYMPTOTICALLY EQUAL TO		
2244	NOT ASYMPTOTICALLY EQUAL TO		
2245	APPROXIMATELY EQUAL TO		
2246	APPROXIMATELY BUT NOT ACTUALLY EQUAL TO		
2247	NEITHER APPROXIMATELY NOR ACTUALLY EQUAL TO		
2248	ALMOST EQUAL TO		
2249	NOT ALMOST EQUAL TO		
224A	ALMOST EQUAL OR EQUAL TO		
224B	TRIPLE TILDE		
224C	ALL EQUAL TO		
224D	EQUIVALENT TO		
224E	GEOMETRICALLY EQUIVALENT TO		
224F	DIFFERENCE BETWEEN		
2250	APPROACHES THE LIMIT		
2251	GEOMETRICALLY EQUAL TO		
2252	APPROXIMATELY EQUAL TO OR THE IMAGE OF		
2253	IMAGE OF OR APPROXIMATELY EQUAL TO		
2254	COLON EQUALS		
2255	EQUALS COLON		
2256	RING IN EQUAL TO		
2257	RING EQUAL TO		
2258	CORRESPONDS TO		
2259	ESTIMATES		
225A	EQUIANGULAR TO		
225B	STAR EQUALS		
225C	DELTA EQUAL TO		

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Row 22

Table 66 - Row 22: Mathematical Operators

	228	229	22A	22B	22C	22D	22E	22F
0	 2280	 2290	 22A0	 22B0	 22C0	 22D0	 22E0	 22F0
1	 2281	 2291	 22A1	 22B1	 22C1	 22D1	 22E1	 22F1
2	 2282	 2292	 22A2	 22B2	 22C2	 22D2	 22E2	 22F2
3	 2283	 2293	 22A3	 22B3	 22C3	 22D3	 22E3	 22F3
4	 2284	 2294	 22A4	 22B4	 22C4	 22D4	 22E4	 22F4
5	 2285	 2295	 22A5	 22B5	 22C5	 22D5	 22E5	 22F5
6	 2286	 2296	 22A6	 22B6	 22C6	 22D6	 22E6	 22F6
7	 2287	 2297	 22A7	 22B7	 22C7	 22D7	 22E7	 22F7
8	 2288	 2298	 22A8	 22B8	 22C8	 22D8	 22E8	 22F8
9	 2289	 2299	 22A9	 22B9	 22C9	 22D9	 22E9	 22F9
A	 228A	 229A	 22AA	 22BA	 22CA	 22DA	 22EA	 22FA
B	 228B	 229B	 22AB	 22BB	 22CB	 22DB	 22EB	 22FB
C	 228C	 229C	 22AC	 22BC	 22CC	 22DC	 22EC	 22FC
D	 228D	 229D	 22AD	 22BD	 22CD	 22DD	 22ED	 22FD
E	 228E	 229E	 22AE	 22BE	 22CE	 22DE	 22EE	 22FE
F	 228F	 229F	 22AF	 22BF	 22CF	 22DF	 22EF	 22FF

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Table 66 - Row 22: Mathematical Operators

HEX	NAME	HEX	NAME
2280	DOES NOT PRECEDE	22DD	EQUAL TO OR GREATER-THAN
2281	DOES NOT SUCCEED	22DE	EQUAL TO OR PRECEDES
2282	SUBSET OF	22DF	EQUAL TO OR SUCCEEDS
2283	SUPERSET OF	22E0	DOES NOT PRECEDE OR EQUAL
2284	NOT A SUBSET OF	22E1	DOES NOT SUCCEED OR EQUAL
2285	NOT A SUPERSET OF	22E2	NOT SQUARE IMAGE OF OR EQUAL TO
2286	SUBSET OF OR EQUAL TO	22E3	NOT SQUARE ORIGINAL OF OR EQUAL TO
2287	SUPERSET OF OR EQUAL TO	22E4	SQUARE IMAGE OF OR NOT EQUAL TO
2288	NEITHER A SUBSET OF NOR EQUAL TO	22E5	SQUARE ORIGINAL OF OR NOT EQUAL TO
2289	NEITHER A SUPERSET OF NOR EQUAL TO	22E6	LESS-THAN BUT NOT EQUIVALENT TO
228A	SUBSET OF WITH NOT EQUAL TO	22E7	GREATER-THAN BUT NOT EQUIVALENT TO
228B	SUPERSET OF WITH NOT EQUAL TO	22E8	PRECEDES BUT NOT EQUIVALENT TO
228C	MULTISET	22E9	SUCCEEDS BUT NOT EQUIVALENT TO
228D	MULTISET MULTIPLICATION	22EA	NOT NORMAL SUBGROUP OF
228E	MULTISET UNION	22EB	DOES NOT CONTAIN AS NORMAL SUBGROUP
228F	SQUARE IMAGE OF	22EC	NOT NORMAL SUBGROUP OF OR EQUAL TO
2290	SQUARE ORIGINAL OF	22ED	DOES NOT CONTAIN AS NORMAL SUBGROUP OR EQUAL
2291	SQUARE IMAGE OF OR EQUAL TO	22EE	VERTICAL ELLIPSIS
2292	SQUARE ORIGINAL OF OR EQUAL TO	22EF	MIDLINE HORIZONTAL ELLIPSIS
2293	SQUARE CAP	22F0	UP RIGHT DIAGONAL ELLIPSIS
2294	SQUARE CUP	22F1	DOWN RIGHT DIAGONAL ELLIPSIS
2295	CIRCLED PLUS	22F2	ELEMENT OF WITH LONG HORIZONTAL STROKE
2296	CIRCLED MINUS	22F3	ELEMENT OF WITH VERTICAL BAR AT END OF HORIZONTAL STROKE
2297	CIRCLED TIMES	22F4	SMALL ELEMENT OF WITH VERTICAL BAR AT END OF HORIZONTAL STROKE
2298	CIRCLED DIVISION SLASH	22F5	ELEMENT OF WITH DOT ABOVE
2299	CIRCLED DOT OPERATOR	22F6	ELEMENT OF WITH OVERBAR
229A	CIRCLED RING OPERATOR	22F7	SMALL ELEMENT OF WITH OVERBAR
229B	CIRCLED ASTERISK OPERATOR	22F8	ELEMENT OF WITH UNDERBAR
229C	CIRCLED EQUALS	22F9	ELEMENT OF WITH TWO HORIZONTAL STROKES
229D	CIRCLED DASH	22FA	CONTAINS WITH LONG HORIZONTAL STROKE
229E	SQUARED PLUS	22FB	CONTAINS WITH VERTICAL BAR AT END OF HORIZONTAL STROKE
229F	SQUARED MINUS	22FC	SMALL CONTAINS WITH VERTICAL BAR AT END OF HORIZONTAL STROKE
22A0	SQUARED TIMES	22FD	CONTAINS WITH OVERBAR
22A1	SQUARED DOT OPERATOR	22FE	SMALL CONTAINS WITH OVERBAR
22A2	RIGHT TACK	22FF	Z NOTATION BAG MEMBERSHIP
22A3	LEFT TACK		
22A4	DOWN TACK		
22A5	UP TACK		
22A6	ASSERTION		
22A7	MODELS		
22A8	TRUE		
22A9	FORCES		
22AA	TRIPLE VERTICAL BAR RIGHT TURNSTILE		
22AB	DOUBLE VERTICAL BAR DOUBLE RIGHT TURNSTILE		
22AC	DOES NOT PROVE		
22AD	NOT TRUE		
22AE	DOES NOT FORCE		
22AF	NEGATED DOUBLE VERTICAL BAR DOUBLE RIGHT TURNSTILE		
22B0	PRECEDES UNDER RELATION		
22B1	SUCCEEDS UNDER RELATION		
22B2	NORMAL SUBGROUP OF		
22B3	CONTAINS AS NORMAL SUBGROUP		
22B4	NORMAL SUBGROUP OF OR EQUAL TO		
22B5	CONTAINS AS NORMAL SUBGROUP OR EQUAL TO		
22B6	ORIGINAL OF		
22B7	IMAGE OF		
22B8	MULTIMAP		
22B9	HERMITIAN CONJUGATE MATRIX		
22BA	INTERCALATE		
22BB	XOR		
22BC	NAND		
22BD	NOR		
22BE	RIGHT ANGLE WITH ARC		
22BF	RIGHT TRIANGLE		
22C0	N-ARY LOGICAL AND		
22C1	N-ARY LOGICAL OR		
22C2	N-ARY INTERSECTION		
22C3	N-ARY UNION		
22C4	DIAMOND OPERATOR		
22C5	DOT OPERATOR		
22C6	STAR OPERATOR		
22C7	DIVISION TIMES		
22C8	BOW TIE		
22C9	LEFT NORMAL FACTOR SEMIDIRECT PRODUCT		
22CA	RIGHT NORMAL FACTOR SEMIDIRECT PRODUCT		
22CB	LEFT SEMIDIRECT PRODUCT		
22CC	RIGHT SEMIDIRECT PRODUCT		
22CD	REVERSED TILDE EQUALS		
22CE	CURLY LOGICAL OR		
22CF	CURLY LOGICAL AND		
22D0	DOUBLE SUBSET		
22D1	DOUBLE SUPERSET		
22D2	DOUBLE INTERSECTION		
22D3	DOUBLE UNION		
22D4	PITCHFORK		
22D5	EQUAL AND PARALLEL TO		
22D6	LESS-THAN WITH DOT		
22D7	GREATER-THAN WITH DOT		
22D8	VERY MUCH LESS-THAN		
22D9	VERY MUCH GREATER-THAN		
22DA	LESS-THAN EQUAL TO OR GREATER-THAN		
22DB	GREATER-THAN EQUAL TO OR LESS-THAN		
22DC	EQUAL TO OR LESS-THAN		

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Row 22

Table 67 - Row 23: Miscellaneous Technical

	230	231	232	233	234	235	236	237
0	 2300	 2310	 2320	 2330	 2340	 2350	 2360	 2370
1	 2301	 2311	 2321	 2331	 2341	 2351	 2361	 2371
2	 2302	 2312	 2322	 2332	 2342	 2352	 2362	 2372
3	 2303	 2313	 2323	 2333	 2343	 2353	 2363	 2373
4	 2304	 2314	 2324	 2334	 2344	 2354	 2364	 2374
5	 2305	 2315	 2325	 2335	 2345	 2355	 2365	 2375
6	 2306	 2316	 2326	 2336	 2346	 2356	 2366	 2376
7	 2307	 2317	 2327	 2337	 2347	 2357	 2367	 2377
8	 2308	 2318	 2328	 2338	 2348	 2358	 2368	 2378
9	 2309	 2319	 2329	 2339	 2349	 2359	 2369	 2379
A	 230A	 231A	 232A	 233A	 234A	 235A	 236A	 237A
B	 230B	 231B	 232B	 233B	 234B	 235B	 236B	 237B
C	 230C	 231C	 232C	 233C	 234C	 235C	 236C	 237C
D	 230D	 231D	 232D	 233D	 234D	 235D	 236D	 237D
E	 230E	 231E	 232E	 233E	 234E	 235E	 236E	 237E
F	 230F	 231F	 232F	 233F	 234F	 235F	 236F	 237F

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Table 67 - Row 23: Miscellaneous Technical

HEX	NAME	HEX	NAME
2300	DIAMETER SIGN	235D	APL FUNCTIONAL SYMBOL UP SHOE JOT
2301	ELECTRIC ARROW	235E	APL FUNCTIONAL SYMBOL QUOTE QUAD
2302	HOUSE	235F	APL FUNCTIONAL SYMBOL CIRCLE STAR
2303	UP ARROWHEAD	2360	APL FUNCTIONAL SYMBOL QUAD COLON
2304	DOWN ARROWHEAD	2361	APL FUNCTIONAL SYMBOL UP TACK DIAERESIS *
2305	PROJECTIVE	2362	APL FUNCTIONAL SYMBOL DEL DIAERESIS
2306	PERSPECTIVE	2363	APL FUNCTIONAL SYMBOL STAR DIAERESIS
2307	WAVY LINE	2364	APL FUNCTIONAL SYMBOL JOT DIAERESIS
2308	LEFT CEILING	2365	APL FUNCTIONAL SYMBOL CIRCLE DIAERESIS
2309	RIGHT CEILING	2366	APL FUNCTIONAL SYMBOL DOWN SHOE STILE
230A	LEFT FLOOR	2367	APL FUNCTIONAL SYMBOL LEFT SHOE STILE
230B	RIGHT FLOOR	2368	APL FUNCTIONAL SYMBOL TILDE DIAERESIS
230C	BOTTOM RIGHT CROP	2369	APL FUNCTIONAL SYMBOL GREATER-THAN DIAERESIS
230D	BOTTOM LEFT CROP	236A	APL FUNCTIONAL SYMBOL COMMA BAR
230E	TOP RIGHT CROP	236B	APL FUNCTIONAL SYMBOL DEL TILDE
230F	TOP LEFT CROP	236C	APL FUNCTIONAL SYMBOL ZILDE
2310	REVERSED NOT SIGN	236D	APL FUNCTIONAL SYMBOL STILE TILDE
2311	SQUARE LOZENG	236E	APL FUNCTIONAL SYMBOL SEMICOLON UNDERBAR
2312	ARC	236F	APL FUNCTIONAL SYMBOL QUAD NOT EQUAL
2313	SEGMENT	2370	APL FUNCTIONAL SYMBOL QUAD QUESTION
2314	SECTOR	2371	APL FUNCTIONAL SYMBOL DOWN CARET TILDE
2315	TELEPHONE RECORDER	2372	APL FUNCTIONAL SYMBOL UP CARET TILDE
2316	POSITION INDICATOR	2373	APL FUNCTIONAL SYMBOL IOTA
2317	VIEWDATA SQUARE	2374	APL FUNCTIONAL SYMBOL RHO
2318	PLACE OF INTEREST SIGN	2375	APL FUNCTIONAL SYMBOL OMEGA
2319	TURNED NOT SIGN	2376	APL FUNCTIONAL SYMBOL ALPHA UNDERBAR
231A	WATCH	2377	APL FUNCTIONAL SYMBOL EPSILON UNDERBAR
231B	HOURLASS	2378	APL FUNCTIONAL SYMBOL IOTA UNDERBAR
231C	TOP LEFT CORNER	2379	APL FUNCTIONAL SYMBOL OMEGA UNDERBAR
231D	TOP RIGHT CORNER	237A	APL FUNCTIONAL SYMBOL ALPHA
231E	BOTTOM LEFT CORNER	237B	NOT CHECK MARK
231F	BOTTOM RIGHT CORNER	237C	RIGHT ANGLE WITH DOWNWARDS ZIGZAG ARROW
2320	TOP HALF INTEGRAL	237D	SHOULDERED OPEN BOX
2321	BOTTOM HALF INTEGRAL	237E	BELL SYMBOL
2322	FROWN	237F	VERTICAL LINE WITH MIDDLE DOT
2323	SMILE		
2324	UP ARROWHEAD BETWEEN TWO HORIZONTAL BARS		
2325	OPTION KEY		
2326	ERASE TO THE RIGHT		
2327	X IN A RECTANGLE BOX		
2328	KEYBOARD		
2329	LEFT-POINTING ANGLE BRACKET		
232A	RIGHT-POINTING ANGLE BRACKET		
232B	ERASE TO THE LEFT		
232C	BENZENE RING		
232D	CYLINDRICITY		
232E	ALL AROUND-PROFILE		
232F	SYMMETRY		
2330	TOTAL RUNOUT		
2331	DIMENSION ORIGIN		
2332	CONICAL TAPER		
2333	SLOPE		
2334	COUNTERBORE		
2335	COUNTERSINK		
2336	APL FUNCTIONAL SYMBOL I-BEAM		
2337	APL FUNCTIONAL SYMBOL SQUISH QUAD		
2338	APL FUNCTIONAL SYMBOL QUAD EQUAL		
2339	APL FUNCTIONAL SYMBOL QUAD DIVIDE		
233A	APL FUNCTIONAL SYMBOL QUAD DIAMOND		
233B	APL FUNCTIONAL SYMBOL QUAD JOT		
233C	APL FUNCTIONAL SYMBOL QUAD CIRCLE		
233D	APL FUNCTIONAL SYMBOL CIRCLE STILE		
233E	APL FUNCTIONAL SYMBOL CIRCLE JOT		
233F	APL FUNCTIONAL SYMBOL SLASH BAR		
2340	APL FUNCTIONAL SYMBOL BACKSLASH BAR		
2341	APL FUNCTIONAL SYMBOL QUAD SLASH		
2342	APL FUNCTIONAL SYMBOL QUAD BACKSLASH		
2343	APL FUNCTIONAL SYMBOL QUAD LESS-THAN		
2344	APL FUNCTIONAL SYMBOL QUAD GREATER-THAN		
2345	APL FUNCTIONAL SYMBOL LEFTWARDS VANE		
2346	APL FUNCTIONAL SYMBOL RIGHTWARDS VANE		
2347	APL FUNCTIONAL SYMBOL QUAD LEFTWARDS ARROW		
2348	APL FUNCTIONAL SYMBOL QUAD RIGHTWARDS ARROW		
2349	APL FUNCTIONAL SYMBOL CIRCLE BACKSLASH		
234A	APL FUNCTIONAL SYMBOL DOWN TACK UNDERBAR *		
234B	APL FUNCTIONAL SYMBOL DELTA STILE		
234C	APL FUNCTIONAL SYMBOL QUAD DOWN CARET		
234D	APL FUNCTIONAL SYMBOL QUAD DELTA		
234E	APL FUNCTIONAL SYMBOL DOWN TACK JOT *		
234F	APL FUNCTIONAL SYMBOL UPWARDS VANE		
2350	APL FUNCTIONAL SYMBOL QUAD UPWARDS ARROW		
2351	APL FUNCTIONAL SYMBOL UP TACK OVERBAR *		
2352	APL FUNCTIONAL SYMBOL DEL STILE		
2353	APL FUNCTIONAL SYMBOL QUAD UP CARET		
2354	APL FUNCTIONAL SYMBOL QUAD DEL		
2355	APL FUNCTIONAL SYMBOL UP TACK JOT *		
2356	APL FUNCTIONAL SYMBOL DOWNWARDS VANE		
2357	APL FUNCTIONAL SYMBOL QUAD DOWNWARDS ARROW		
2358	APL FUNCTIONAL SYMBOL QUOTE UNDERBAR		
2359	APL FUNCTIONAL SYMBOL DELTA UNDERBAR		
235A	APL FUNCTIONAL SYMBOL DIAMOND UNDERBAR		
235B	APL FUNCTIONAL SYMBOL JOT UNDERBAR		
235C	APL FUNCTIONAL SYMBOL CIRCLE UNDERBAR		

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Row 23

Table 68 - Row 23: Miscellaneous Technical

	238	239	23A	23B	23C	23D	23E	23F
0	 2380	 2390	 23A0	 23B0	 23C0			
1	 2381	 2391	 23A1	 23B1	 23C1			
2	 2382	 2392	 23A2	 23B2	 23C2			
3	 2383	 2393	 23A3	 23B3	 23C3			
4	 2384	 2394	 23A4	 23B4	 23C4			
5	 2385	 2395	 23A5	 23B5	 23C5			
6	 2386	 2396	 23A6	 23B6	 23C6			
7	 2387	 2397	 23A7	 23B7	 23C7			
8	 2388	 2398	 23A8	 23B8	 23C8			
9	 2389	 2399	 23A9	 23B9	 23C9			
A	 238A	 239A	 23AA	 23BA	 23CA			
B	 238B	 239B	 23AB	 23BB	 23CB			
C	 238C	 239C	 23AC	 23BC	 23CC			
D	 238D	 239D	 23AD	 23BD	 23CD			
E	 238E	 239E	 23AE	 23BE	 23CE			
F	 238F	 239F	 23AF	 23BF				

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Table 68 - Row 23: Miscellaneous Technical

HEX	NAME	HEX	NAME
2380	INSERTION SYMBOL	23DD	(This position shall not be used)
2381	CONTINUOUS UNDERLINE SYMBOL	23DE	(This position shall not be used)
2382	DISCONTINUOUS UNDERLINE SYMBOL	23DF	(This position shall not be used)
2383	EMPHASIS SYMBOL	23E0	(This position shall not be used)
2384	COMPOSITION SYMBOL	23E1	(This position shall not be used)
2385	WHITE SQUARE WITH CENTRE VERTICAL LINE	23E2	(This position shall not be used)
2386	ENTER SYMBOL	23E3	(This position shall not be used)
2387	ALTERNATIVE KEY SYMBOL	23E4	(This position shall not be used)
2388	HELM SYMBOL	23E5	(This position shall not be used)
2389	CIRCLED HORIZONTAL BAR WITH NOTCH (pause)	23E6	(This position shall not be used)
238A	CIRCLED TRIANGLE DOWN (break)	23E7	(This position shall not be used)
238B	BROKEN CIRCLE WITH NORTHWEST ARROW (escape)	23E8	(This position shall not be used)
238C	UNDO SYMBOL	23E9	(This position shall not be used)
238D	MONOSTABLE SYMBOL	23EA	(This position shall not be used)
238E	HYSTERESIS SYMBOL	23EB	(This position shall not be used)
238F	OPEN-CIRCUIT-OUTPUT H-TYPE SYMBOL	23EC	(This position shall not be used)
2390	OPEN-CIRCUIT-OUTPUT L-TYPE SYMBOL	23ED	(This position shall not be used)
2391	PASSIVE-PULL-DOWN-OUTPUT SYMBOL	23EE	(This position shall not be used)
2392	PASSIVE-PULL-UP-OUTPUT SYMBOL	23EF	(This position shall not be used)
2393	DIRECT CURRENT SYMBOL FORM TWO	23F0	(This position shall not be used)
2394	SOFTWARE-FUNCTION SYMBOL	23F1	(This position shall not be used)
2395	APL FUNCTIONAL SYMBOL QUAD	23F2	(This position shall not be used)
2396	DECIMAL SEPARATOR KEY SYMBOL	23F3	(This position shall not be used)
2397	PREVIOUS PAGE	23F4	(This position shall not be used)
2398	NEXT PAGE	23F5	(This position shall not be used)
2399	PRINT SCREEN SYMBOL	23F6	(This position shall not be used)
239A	CLEAR SCREEN SYMBOL	23F7	(This position shall not be used)
239B	LEFT PARENTHESIS UPPER HOOK	23F8	(This position shall not be used)
239C	LEFT PARENTHESIS EXTENSION	23F9	(This position shall not be used)
239D	LEFT PARENTHESIS LOWER HOOK	23FA	(This position shall not be used)
239E	RIGHT PARENTHESIS UPPER HOOK	23FB	(This position shall not be used)
239F	RIGHT PARENTHESIS EXTENSION	23FC	(This position shall not be used)
23A0	RIGHT PARENTHESIS LOWER HOOK	23FD	(This position shall not be used)
23A1	LEFT SQUARE BRACKET UPPER CORNER	23FE	(This position shall not be used)
23A2	LEFT SQUARE BRACKET EXTENSION	23FF	(This position shall not be used)
23A3	LEFT SQUARE BRACKET LOWER CORNER		
23A4	RIGHT SQUARE BRACKET UPPER CORNER		
23A5	RIGHT SQUARE BRACKET EXTENSION		
23A6	RIGHT SQUARE BRACKET LOWER CORNER		
23A7	LEFT CURLY BRACKET UPPER HOOK		
23A8	LEFT CURLY BRACKET MIDDLE PIECE		
23A9	LEFT CURLY BRACKET LOWER HOOK		
23AA	CURLY BRACKET EXTENSION		
23AB	RIGHT CURLY BRACKET UPPER HOOK		
23AC	RIGHT CURLY BRACKET MIDDLE PIECE		
23AD	RIGHT CURLY BRACKET LOWER HOOK		
23AE	INTEGRAL EXTENSION		
23AF	HORIZONTAL LINE EXTENSION		
23B0	UPPER LEFT OR LOWER RIGHT CURLY BRACKET SECTION		
23B1	UPPER RIGHT OR LOWER LEFT CURLY BRACKET SECTION		
23B2	SUMMATION TOP		
23B3	SUMMATION BOTTOM		
23B4	TOP SQUARE BRACKET		
23B5	BOTTOM SQUARE BRACKET		
23B6	BOTTOM SQUARE BRACKET OVER TOP SQUARE BRACKET		
23B7	RADICAL SYMBOL BOTTOM		
23B8	LEFT VERTICAL BOX LINE		
23B9	RIGHT VERTICAL BOX LINE		
23BA	HORIZONTAL SCAN LINE-1		
23BB	HORIZONTAL SCAN LINE-3		
23BC	HORIZONTAL SCAN LINE-7		
23BD	HORIZONTAL SCAN LINE-9		
23BE	DENTISTRY SYMBOL LIGHT VERTICAL AND TOP RIGHT		
23BF	DENTISTRY SYMBOL LIGHT VERTICAL AND BOTTOM RIGHT		
23C0	DENTISTRY SYMBOL LIGHT VERTICAL WITH CIRCLE		
23C1	DENTISTRY SYMBOL LIGHT DOWN AND HORIZONTAL WITH CIRCLE		
23C2	DENTISTRY SYMBOL LIGHT UP AND HORIZONTAL WITH CIRCLE		
23C3	DENTISTRY SYMBOL LIGHT VERTICAL WITH TRIANGLE		
23C4	DENTISTRY SYMBOL LIGHT DOWN AND HORIZONTAL WITH TRIANGLE		
23C5	DENTISTRY SYMBOL LIGHT UP AND HORIZONTAL WITH TRIANGLE		
23C6	DENTISTRY SYMBOL LIGHT VERTICAL AND WAVE		
23C7	DENTISTRY SYMBOL LIGHT DOWN AND HORIZONTAL WITH WAVE		
23C8	DENTISTRY SYMBOL LIGHT UP AND HORIZONTAL WITH WAVE		
23C9	DENTISTRY SYMBOL LIGHT DOWN AND HORIZONTAL		
23CA	DENTISTRY SYMBOL LIGHT UP AND HORIZONTAL		
23CB	DENTISTRY SYMBOL LIGHT VERTICAL AND TOP LEFT		
23CC	DENTISTRY SYMBOL LIGHT VERTICAL AND BOTTOM LEFT		
23CD	SQUARE FOOT		
23CE	RETURN SYMBOL		
23CF	(This position shall not be used)		
23D0	(This position shall not be used)		
23D1	(This position shall not be used)		
23D2	(This position shall not be used)		
23D3	(This position shall not be used)		
23D4	(This position shall not be used)		
23D5	(This position shall not be used)		
23D6	(This position shall not be used)		
23D7	(This position shall not be used)		
23D8	(This position shall not be used)		
23D9	(This position shall not be used)		
23DA	(This position shall not be used)		
23DB	(This position shall not be used)		
23DC	(This position shall not be used)		

Group 00

Plane 00

Row 23

Table 71 - Row 24: Enclosed Alphanumerics

	246	247	248	249	24A	24B	24C	24D	24E	24F
0	① 2460	⑰ 2470	(13) 2480	9. 2490	(e) 24A0	(u) 24B0	Ⓚ 24C0	ⓐ 24D0	Ⓠ 24E0	⑱ 24F0
1	② 2461	⑱ 2471	(14) 2481	10. 2491	(f) 24A1	(v) 24B1	Ⓛ 24C1	ⓑ 24D1	Ⓡ 24E1	⑳ 24F1
2	③ 2462	⑲ 2472	(15) 2482	11. 2492	(g) 24A2	(w) 24B2	Ⓜ 24C2	ⓒ 24D2	Ⓢ 24E2	㉑ 24F2
3	④ 2463	㉀ 2473	(16) 2483	12. 2493	(h) 24A3	(x) 24B3	Ⓝ 24C3	ⓓ 24D3	Ⓣ 24E3	㉒ 24F3
4	⑤ 2464	(1) 2474	(17) 2484	13. 2494	(i) 24A4	(y) 24B4	Ⓞ 24C4	ⓔ 24D4	Ⓤ 24E4	㉓ 24F4
5	⑥ 2465	(2) 2475	(18) 2485	14. 2495	(j) 24A5	(z) 24B5	Ⓟ 24C5	ⓕ 24D5	Ⓡ 24E5	① 24F5
6	⑦ 2466	(3) 2476	(19) 2486	15. 2496	(k) 24A6	Ⓐ 24B6	Ⓠ 24C6	ⓖ 24D6	Ⓢ 24E6	② 24F6
7	⑧ 2467	(4) 2477	(20) 2487	16. 2497	(l) 24A7	Ⓑ 24B7	Ⓡ 24C7	ⓗ 24D7	Ⓣ 24E7	③ 24F7
8	⑨ 2468	(5) 2478	1. 2488	17. 2498	(m) 24A8	Ⓒ 24B8	Ⓢ 24C8	Ⓤ 24D8	Ⓨ 24E8	④ 24F8
9	⑩ 2469	(6) 2479	2. 2489	18. 2499	(n) 24A9	Ⓓ 24B9	Ⓣ 24C9	Ⓥ 24D9	Ⓩ 24E9	⑤ 24F9
A	⑪ 246A	(7) 247A	3. 248A	19. 249A	(o) 24AA	Ⓔ 24BA	Ⓤ 24CA	Ⓚ 24DA	Ⓚ 24EA	⑥ 24FA
B	⑫ 246B	(8) 247B	4. 248B	20. 249B	(p) 24AB	Ⓕ 24BB	Ⓡ 24CB	Ⓛ 24DB	⑪ 24EB	⑦ 24FB
C	⑬ 246C	(9) 247C	5. 248C	(a) 249C	(q) 24AC	Ⓖ 24BC	Ⓢ 24CC	Ⓜ 24DC	⑫ 24EC	⑧ 24FC
D	⑭ 246D	(10) 247D	6. 248D	(b) 249D	(r) 24AD	Ⓖ 24BD	Ⓝ 24CD	Ⓝ 24DD	⑬ 24ED	⑨ 24FD
E	⑮ 246E	(11) 247E	7. 248E	(c) 249E	(s) 24AE	Ⓘ 24BE	Ⓢ 24CE	Ⓞ 24DE	⑭ 24EE	⑩ 24FE
F	⑯ 246F	(12) 247F	8. 248F	(d) 249F	(t) 24AF	Ⓙ 24BF	Ⓢ 24CF	Ⓟ 24DF	⑮ 24EF	

G = 00
P = 00

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Table 71 - Row 24: Enclosed Alphanumerics

HEX	NAME	HEX	NAME
2460	CIRCLED DIGIT ONE	24BD	CIRCLED LATIN CAPITAL LETTER H
2461	CIRCLED DIGIT TWO	24BE	CIRCLED LATIN CAPITAL LETTER I
2462	CIRCLED DIGIT THREE	24BF	CIRCLED LATIN CAPITAL LETTER J
2463	CIRCLED DIGIT FOUR	24C0	CIRCLED LATIN CAPITAL LETTER K
2464	CIRCLED DIGIT FIVE	24C1	CIRCLED LATIN CAPITAL LETTER L
2465	CIRCLED DIGIT SIX	24C2	CIRCLED LATIN CAPITAL LETTER M
2466	CIRCLED DIGIT SEVEN	24C3	CIRCLED LATIN CAPITAL LETTER N
2467	CIRCLED DIGIT EIGHT	24C4	CIRCLED LATIN CAPITAL LETTER O
2468	CIRCLED DIGIT NINE	24C5	CIRCLED LATIN CAPITAL LETTER P
2469	CIRCLED NUMBER TEN	24C6	CIRCLED LATIN CAPITAL LETTER Q
246A	CIRCLED NUMBER ELEVEN	24C7	CIRCLED LATIN CAPITAL LETTER R
246B	CIRCLED NUMBER TWELVE	24C8	CIRCLED LATIN CAPITAL LETTER S
246C	CIRCLED NUMBER THIRTEEN	24C9	CIRCLED LATIN CAPITAL LETTER T
246D	CIRCLED NUMBER FOURTEEN	24CA	CIRCLED LATIN CAPITAL LETTER U
246E	CIRCLED NUMBER FIFTEEN	24CB	CIRCLED LATIN CAPITAL LETTER V
246F	CIRCLED NUMBER SIXTEEN	24CC	CIRCLED LATIN CAPITAL LETTER W
2470	CIRCLED NUMBER SEVENTEEN	24CD	CIRCLED LATIN CAPITAL LETTER X
2471	CIRCLED NUMBER EIGHTEEN	24CE	CIRCLED LATIN CAPITAL LETTER Y
2472	CIRCLED NUMBER NINETEEN	24CF	CIRCLED LATIN CAPITAL LETTER Z
2473	CIRCLED NUMBER TWENTY	24D0	CIRCLED LATIN SMALL LETTER A
2474	PARENTHESIZED DIGIT ONE	24D1	CIRCLED LATIN SMALL LETTER B
2475	PARENTHESIZED DIGIT TWO	24D2	CIRCLED LATIN SMALL LETTER C
2476	PARENTHESIZED DIGIT THREE	24D3	CIRCLED LATIN SMALL LETTER D
2477	PARENTHESIZED DIGIT FOUR	24D4	CIRCLED LATIN SMALL LETTER E
2478	PARENTHESIZED DIGIT FIVE	24D5	CIRCLED LATIN SMALL LETTER F
2479	PARENTHESIZED DIGIT SIX	24D6	CIRCLED LATIN SMALL LETTER G
247A	PARENTHESIZED DIGIT SEVEN	24D7	CIRCLED LATIN SMALL LETTER H
247B	PARENTHESIZED DIGIT EIGHT	24D8	CIRCLED LATIN SMALL LETTER I
247C	PARENTHESIZED DIGIT NINE	24D9	CIRCLED LATIN SMALL LETTER J
247D	PARENTHESIZED NUMBER TEN	24DA	CIRCLED LATIN SMALL LETTER K
247E	PARENTHESIZED NUMBER ELEVEN	24DB	CIRCLED LATIN SMALL LETTER L
247F	PARENTHESIZED NUMBER TWELVE	24DC	CIRCLED LATIN SMALL LETTER M
2480	PARENTHESIZED NUMBER THIRTEEN	24DD	CIRCLED LATIN SMALL LETTER N
2481	PARENTHESIZED NUMBER FOURTEEN	24DE	CIRCLED LATIN SMALL LETTER O
2482	PARENTHESIZED NUMBER FIFTEEN	24DF	CIRCLED LATIN SMALL LETTER P
2483	PARENTHESIZED NUMBER SIXTEEN	24E0	CIRCLED LATIN SMALL LETTER Q
2484	PARENTHESIZED NUMBER SEVENTEEN	24E1	CIRCLED LATIN SMALL LETTER R
2485	PARENTHESIZED NUMBER EIGHTEEN	24E2	CIRCLED LATIN SMALL LETTER S
2486	PARENTHESIZED NUMBER NINETEEN	24E3	CIRCLED LATIN SMALL LETTER T
2487	PARENTHESIZED NUMBER TWENTY	24E4	CIRCLED LATIN SMALL LETTER U
2488	DIGIT ONE FULL STOP	24E5	CIRCLED LATIN SMALL LETTER V
2489	DIGIT TWO FULL STOP	24E6	CIRCLED LATIN SMALL LETTER W
248A	DIGIT THREE FULL STOP	24E7	CIRCLED LATIN SMALL LETTER X
248B	DIGIT FOUR FULL STOP	24E8	CIRCLED LATIN SMALL LETTER Y
248C	DIGIT FIVE FULL STOP	24E9	CIRCLED LATIN SMALL LETTER Z
248D	DIGIT SIX FULL STOP	24EA	CIRCLED DIGIT ZERO
248E	DIGIT SEVEN FULL STOP	24EB	NEGATIVE CIRCLED NUMBER ELEVEN
248F	DIGIT EIGHT FULL STOP	24EC	NEGATIVE CIRCLED NUMBER TWELVE
2490	DIGIT NINE FULL STOP	24ED	NEGATIVE CIRCLED NUMBER THIRTEEN
2491	NUMBER TEN FULL STOP	24EE	NEGATIVE CIRCLED NUMBER FOURTEEN
2492	NUMBER ELEVEN FULL STOP	24EF	NEGATIVE CIRCLED NUMBER FIFTEEN
2493	NUMBER TWELVE FULL STOP	24F0	NEGATIVE CIRCLED NUMBER SIXTEEN
2494	NUMBER THIRTEEN FULL STOP	24F1	NEGATIVE CIRCLED NUMBER SEVENTEEN
2495	NUMBER FOURTEEN FULL STOP	24F2	NEGATIVE CIRCLED NUMBER EIGHTEEN
2496	NUMBER FIFTEEN FULL STOP	24F3	NEGATIVE CIRCLED NUMBER NINETEEN
2497	NUMBER SIXTEEN FULL STOP	24F4	NEGATIVE CIRCLED NUMBER TWENTY
2498	NUMBER SEVENTEEN FULL STOP	24F5	DOUBLE CIRCLED DIGIT ONE
2499	NUMBER EIGHTEEN FULL STOP	24F6	DOUBLE CIRCLED DIGIT TWO
249A	NUMBER NINETEEN FULL STOP	24F7	DOUBLE CIRCLED DIGIT THREE
249B	NUMBER TWENTY FULL STOP	24F8	DOUBLE CIRCLED DIGIT FOUR
249C	PARENTHESIZED LATIN SMALL LETTER A	24F9	DOUBLE CIRCLED DIGIT FIVE
249D	PARENTHESIZED LATIN SMALL LETTER B	24FA	DOUBLE CIRCLED DIGIT SIX
249E	PARENTHESIZED LATIN SMALL LETTER C	24FB	DOUBLE CIRCLED DIGIT SEVEN
249F	PARENTHESIZED LATIN SMALL LETTER D	24FC	DOUBLE CIRCLED DIGIT EIGHT
24A0	PARENTHESIZED LATIN SMALL LETTER E	24FD	DOUBLE CIRCLED DIGIT NINE
24A1	PARENTHESIZED LATIN SMALL LETTER F	24FE	DOUBLE CIRCLED NUMBER TEN
24A2	PARENTHESIZED LATIN SMALL LETTER G	24FF	(This position shall not be used)
24A3	PARENTHESIZED LATIN SMALL LETTER H		
24A4	PARENTHESIZED LATIN SMALL LETTER I		
24A5	PARENTHESIZED LATIN SMALL LETTER J		
24A6	PARENTHESIZED LATIN SMALL LETTER K		
24A7	PARENTHESIZED LATIN SMALL LETTER L		
24A8	PARENTHESIZED LATIN SMALL LETTER M		
24A9	PARENTHESIZED LATIN SMALL LETTER N		
24AA	PARENTHESIZED LATIN SMALL LETTER O		
24AB	PARENTHESIZED LATIN SMALL LETTER P		
24AC	PARENTHESIZED LATIN SMALL LETTER Q		
24AD	PARENTHESIZED LATIN SMALL LETTER R		
24AE	PARENTHESIZED LATIN SMALL LETTER S		
24AF	PARENTHESIZED LATIN SMALL LETTER T		
24B0	PARENTHESIZED LATIN SMALL LETTER U		
24B1	PARENTHESIZED LATIN SMALL LETTER V		
24B2	PARENTHESIZED LATIN SMALL LETTER W		
24B3	PARENTHESIZED LATIN SMALL LETTER X		
24B4	PARENTHESIZED LATIN SMALL LETTER Y		
24B5	PARENTHESIZED LATIN SMALL LETTER Z		
24B6	CIRCLED LATIN CAPITAL LETTER A		
24B7	CIRCLED LATIN CAPITAL LETTER B		
24B8	CIRCLED LATIN CAPITAL LETTER C		
24B9	CIRCLED LATIN CAPITAL LETTER D		
24BA	CIRCLED LATIN CAPITAL LETTER E		
24BB	CIRCLED LATIN CAPITAL LETTER F		
24BC	CIRCLED LATIN CAPITAL LETTER G		

Group 00

Plane 00

Row 24

Table 73 - Row 25: Block Elements

	258	259
0	 2580	 2590
1	 2581	 2591
2	 2582	 2592
3	 2583	 2593
4	 2584	 2594
5	 2585	 2595
6	 2586	 2596
7	 2587	 2597
8	 2588	 2598
9	 2589	 2599
A	 258A	 259A
B	 258B	 259B
C	 258C	 259C
D	 258D	 259D
E	 258E	 259E
F	 258F	 259F

G = 00
P = 00

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Table 73 - Row 25: Block Elements

HEX	NAME	HEX	NAME
2580	UPPER HALF BLOCK		
2581	LOWER ONE EIGHTH BLOCK		
2582	LOWER ONE QUARTER BLOCK		
2583	LOWER THREE EIGHTHS BLOCK		
2584	LOWER HALF BLOCK		
2585	LOWER FIVE EIGHTHS BLOCK		
2586	LOWER THREE QUARTERS BLOCK		
2587	LOWER SEVEN EIGHTHS BLOCK		
2588	FULL BLOCK		
2589	LEFT SEVEN EIGHTHS BLOCK		
258A	LEFT THREE QUARTERS BLOCK		
258B	LEFT FIVE EIGHTHS BLOCK		
258C	LEFT HALF BLOCK		
258D	LEFT THREE EIGHTHS BLOCK		
258E	LEFT ONE QUARTER BLOCK		
258F	LEFT ONE EIGHTH BLOCK		
2590	RIGHT HALF BLOCK		
2591	LIGHT SHADE		
2592	MEDIUM SHADE		
2593	DARK SHADE		
2594	UPPER ONE EIGHTH BLOCK		
2595	RIGHT ONE EIGHTH BLOCK		
2596	QUADRANT LOWER LEFT		
2597	QUADRANT LOWER RIGHT		
2598	QUADRANT UPPER LEFT		
2599	QUADRANT UPPER LEFT AND LOWER LEFT AND LOWER RIGHT		
259A	QUADRANT UPPER LEFT AND LOWER RIGHT		
259B	QUADRANT UPPER LEFT AND UPPER RIGHT AND LOWER LEFT		
259C	QUADRANT UPPER LEFT AND UPPER RIGHT AND LOWER RIGHT		
259D	QUADRANT UPPER RIGHT		
259E	QUADRANT UPPER RIGHT AND LOWER LEFT		
259F	QUADRANT UPPER RIGHT AND LOWER LEFT AND LOWER RIGHT		

Group 00

Plane 00

Row 25

Table 74 - Row 25: Geometric Shapes

	25A	25B	25C	25D	25E	25F
0	 25A0	 25B0	 25C0	 25D0	 25E0	 25F0
1	 25A1	 25B1	 25C1	 25D1	 25E1	 25F1
2	 25A2	 25B2	 25C2	 25D2	 25E2	 25F2
3	 25A3	 25B3	 25C3	 25D3	 25E3	 25F3
4	 25A4	 25B4	 25C4	 25D4	 25E4	 25F4
5	 25A5	 25B5	 25C5	 25D5	 25E5	 25F5
6	 25A6	 25B6	 25C6	 25D6	 25E6	 25F6
7	 25A7	 25B7	 25C7	 25D7	 25E7	 25F7
8	 25A8	 25B8	 25C8	 25D8	 25E8	 25F8
9	 25A9	 25B9	 25C9	 25D9	 25E9	 25F9
A	 25AA	 25BA	 25CA	 25DA	 25EA	 25FA
B	 25AB	 25BB	 25CB	 25DB	 25EB	 25FB
C	 25AC	 25BC	 25CC	 25DC	 25EC	 25FC
D	 25AD	 25BD	 25CD	 25DD	 25ED	 25FD
E	 25AE	 25BE	 25CE	 25DE	 25EE	 25FE
F	 25AF	 25BF	 25CF	 25DF	 25EF	 25FF

G = 00
P = 00

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Table 74 - Row 25: Geometric Shapes

HEX	NAME	HEX	NAME
25A0	BLACK SQUARE	25FD	WHITE MEDIUM SMALL SQUARE
25A1	WHITE SQUARE	25FE	BLACK MEDIUM SMALL SQUARE
25A2	WHITE SQUARE WITH ROUNDED CORNERS	25FF	LOWER RIGHT TRIANGLE
25A3	WHITE SQUARE CONTAINING BLACK SMALL SQUARE		
25A4	SQUARE WITH HORIZONTAL FILL		
25A5	SQUARE WITH VERTICAL FILL		
25A6	SQUARE WITH ORTHOGONAL CROSSHATCH FILL		
25A7	SQUARE WITH UPPER LEFT TO LOWER RIGHT FILL		
25A8	SQUARE WITH UPPER RIGHT TO LOWER LEFT FILL		
25A9	SQUARE WITH DIAGONAL CROSSHATCH FILL		
25AA	BLACK SMALL SQUARE		
25AB	WHITE SMALL SQUARE		
25AC	BLACK RECTANGLE		
25AD	WHITE RECTANGLE		
25AE	BLACK VERTICAL RECTANGLE		
25AF	WHITE VERTICAL RECTANGLE		
25B0	BLACK PARALLELOGRAM		
25B1	WHITE PARALLELOGRAM		
25B2	BLACK UP-POINTING TRIANGLE		
25B3	WHITE UP-POINTING TRIANGLE		
25B4	BLACK UP-POINTING SMALL TRIANGLE		
25B5	WHITE UP-POINTING SMALL TRIANGLE		
25B6	BLACK RIGHT-POINTING TRIANGLE		
25B7	WHITE RIGHT-POINTING TRIANGLE		
25B8	BLACK RIGHT-POINTING SMALL TRIANGLE		
25B9	WHITE RIGHT-POINTING SMALL TRIANGLE		
25BA	BLACK RIGHT-POINTING POINTER		
25BB	WHITE RIGHT-POINTING POINTER		
25BC	BLACK DOWN-POINTING TRIANGLE		
25BD	WHITE DOWN-POINTING TRIANGLE		
25BE	BLACK DOWN-POINTING SMALL TRIANGLE		
25BF	WHITE DOWN-POINTING SMALL TRIANGLE		
25C0	BLACK LEFT-POINTING TRIANGLE		
25C1	WHITE LEFT-POINTING TRIANGLE		
25C2	BLACK LEFT-POINTING SMALL TRIANGLE		
25C3	WHITE LEFT-POINTING SMALL TRIANGLE		
25C4	BLACK LEFT-POINTING POINTER		
25C5	WHITE LEFT-POINTING POINTER		
25C6	BLACK DIAMOND		
25C7	WHITE DIAMOND		
25C8	WHITE DIAMOND CONTAINING BLACK SMALL DIAMOND		
25C9	FISHEYE		
25CA	LOZENGE		
25CB	WHITE CIRCLE		
25CC	DOTTED CIRCLE		
25CD	CIRCLE WITH VERTICAL FILL		
25CE	BULLSEYE		
25CF	BLACK CIRCLE		
25D0	CIRCLE WITH LEFT HALF BLACK		
25D1	CIRCLE WITH RIGHT HALF BLACK		
25D2	CIRCLE WITH LOWER HALF BLACK		
25D3	CIRCLE WITH UPPER HALF BLACK		
25D4	CIRCLE WITH UPPER RIGHT QUADRANT BLACK		
25D5	CIRCLE WITH ALL BUT UPPER LEFT QUADRANT BLACK		
25D6	LEFT HALF BLACK CIRCLE		
25D7	RIGHT HALF BLACK CIRCLE		
25D8	INVERSE BULLET		
25D9	INVERSE WHITE CIRCLE		
25DA	UPPER HALF INVERSE WHITE CIRCLE		
25DB	LOWER HALF INVERSE WHITE CIRCLE		
25DC	UPPER LEFT QUADRANT CIRCULAR ARC		
25DD	UPPER RIGHT QUADRANT CIRCULAR ARC		
25DE	LOWER RIGHT QUADRANT CIRCULAR ARC		
25DF	LOWER LEFT QUADRANT CIRCULAR ARC		
25E0	UPPER HALF CIRCLE		
25E1	LOWER HALF CIRCLE		
25E2	BLACK LOWER RIGHT TRIANGLE		
25E3	BLACK LOWER LEFT TRIANGLE		
25E4	BLACK UPPER LEFT TRIANGLE		
25E5	BLACK UPPER RIGHT TRIANGLE		
25E6	WHITE BULLET		
25E7	SQUARE WITH LEFT HALF BLACK		
25E8	SQUARE WITH RIGHT HALF BLACK		
25E9	SQUARE WITH UPPER LEFT DIAGONAL HALF BLACK		
25EA	SQUARE WITH LOWER RIGHT DIAGONAL HALF BLACK		
25EB	WHITE SQUARE WITH VERTICAL BISECTING LINE		
25EC	WHITE UP-POINTING TRIANGLE WITH DOT		
25ED	UP-POINTING TRIANGLE WITH LEFT HALF BLACK		
25EE	UP-POINTING TRIANGLE WITH RIGHT HALF BLACK		
25EF	LARGE CIRCLE		
25F0	WHITE SQUARE WITH UPPER LEFT QUADRANT		
25F1	WHITE SQUARE WITH LOWER LEFT QUADRANT		
25F2	WHITE SQUARE WITH LOWER RIGHT QUADRANT		
25F3	WHITE SQUARE WITH UPPER RIGHT QUADRANT		
25F4	WHITE CIRCLE WITH UPPER LEFT QUADRANT		
25F5	WHITE CIRCLE WITH LOWER LEFT QUADRANT		
25F6	WHITE CIRCLE WITH LOWER RIGHT QUADRANT		
25F7	WHITE CIRCLE WITH UPPER RIGHT QUADRANT		
25F8	UPPER LEFT TRIANGLE		
25F9	UPPER RIGHT TRIANGLE		
25FA	LOWER LEFT TRIANGLE		
25FB	WHITE MEDIUM SQUARE		
25FC	BLACK MEDIUM SQUARE		

Group 00

Plane 00

Row 25

Table 75 - Row 26: Miscellaneous Symbols

	260	261	262	263	264	265	266	267
0	 2600	 2610	 2620	 2630	 2640	 2650	 2660	 2670
1	 2601	 2611	 2621	 2631	 2641	 2651	 2661	 2671
2	 2602	 2612	 2622	 2632	 2642	 2652	 2662	 2672
3	 2603	 2613	 2623	 2633	 2643	 2653	 2663	 2673
4	 2604	 2614	 2624	 2634	 2644	 2654	 2664	 2674
5	 2605	 2615	 2625	 2635	 2645	 2655	 2665	 2675
6	 2606	 2616	 2626	 2636	 2646	 2656	 2666	 2676
7	 2607	 2617	 2627	 2637	 2647	 2657	 2667	 2677
8	 2608	 2618	 2628	 2638	 2648	 2658	 2668	 2678
9	 2609	 2619	 2629	 2639	 2649	 2659	 2669	 2679
A	 260A	 261A	 262A	 263A	 264A	 265A	 266A	 267A
B	 260B	 261B	 262B	 263B	 264B	 265B	 266B	 267B
C	 260C	 261C	 262C	 263C	 264C	 265C	 266C	 267C
D	 260D	 261D	 262D	 263D	 264D	 265D	 266D	 267D
E	 260E	 261E	 262E	 263E	 264E	 265E	 266E	 267E
F	 260F	 261F	 262F	 263F	 264F	 265F	 266F	 267F

G = 00
P = 00

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Table 75 - Row 26: Miscellaneous Symbols

HEX	NAME	HEX	NAME
2600	BLACK SUN WITH RAYS	265D	BLACK CHESS BISHOP
2601	CLOUD	265E	BLACK CHESS KNIGHT
2602	UMBRELLA	265F	BLACK CHESS PAWN
2603	SNOWMAN	2660	BLACK SPADE SUIT
2604	COMET	2661	WHITE HEART SUIT
2605	BLACK STAR	2662	WHITE DIAMOND SUIT
2606	WHITE STAR	2663	BLACK CLUB SUIT
2607	LIGHTNING	2664	WHITE SPADE SUIT
2608	THUNDERSTORM	2665	BLACK HEART SUIT
2609	SUN	2666	BLACK DIAMOND SUIT
260A	ASCENDING NODE	2667	WHITE CLUB SUIT
260B	DESCENDING NODE	2668	HOT SPRINGS
260C	CONJUNCTION	2669	QUARTER NOTE
260D	OPPOSITION	266A	EIGHTH NOTE
260E	BLACK TELEPHONE	266B	BEAMED EIGHTH NOTES
260F	WHITE TELEPHONE	266C	BEAMED SIXTEENTH NOTES
2610	BALLOT BOX	266D	MUSIC FLAT SIGN
2611	BALLOT BOX WITH CHECK	266E	MUSIC NATURAL SIGN
2612	BALLOT BOX WITH X	266F	MUSIC SHARP SIGN
2613	SALTIRE	2670	WEST SYRIAC CROSS
2614	(This position shall not be used)	2671	EAST SYRIAC CROSS
2615	(This position shall not be used)	2672	UNIVERSAL RECYCLING SYMBOL
2616	WHITE SHOJI PIECE	2673	RECYCLING SYMBOL FOR TYPE-1 PLASTICS (pete)
2617	BLACK SHOJI PIECE	2674	RECYCLING SYMBOL FOR TYPE-2 PLASTICS (hdpe)
2618	(This position shall not be used)	2675	RECYCLING SYMBOL FOR TYPE-3 PLASTICS (pvc)
2619	REVERSED ROTATED FLORAL HEART BULLET	2676	RECYCLING SYMBOL FOR TYPE-4 PLASTICS (ldpe)
261A	BLACK LEFT POINTING INDEX	2677	RECYCLING SYMBOL FOR TYPE-5 PLASTICS (pp)
261B	BLACK RIGHT POINTING INDEX	2678	RECYCLING SYMBOL FOR TYPE-6 PLASTICS (ps)
261C	WHITE LEFT POINTING INDEX	2679	RECYCLING SYMBOL FOR TYPE-7 PLASTICS (other)
261D	WHITE UP POINTING INDEX	267A	RECYCLING SYMBOL FOR GENERIC MATERIALS
261E	WHITE RIGHT POINTING INDEX	267B	BLACK UNIVERSAL RECYCLING SYMBOL
261F	WHITE DOWN POINTING INDEX	267C	RECYCLED PAPER SYMBOL
2620	SKULL AND CROSSBONES	267D	PARTIALLY RECYCLED PAPER SYMBOL
2621	CAUTION SIGN	267E	(This position shall not be used)
2622	RADIOACTIVE SIGN	267F	(This position shall not be used)
2623	BIOHAZARD SIGN		
2624	CADUCEUS		
2625	ANKH		
2626	ORTHODOX CROSS		
2627	CHI RHO		
2628	CROSS OF LORRAINE		
2629	CROSS OF JERUSALEM		
262A	STAR AND CRESCENT		
262B	FARSI SYMBOL		
262C	ADI SHAKTI		
262D	HAMMER AND SICKLE		
262E	PEACE SYMBOL		
262F	YIN YANG		
2630	TRIGRAM FOR HEAVEN		
2631	TRIGRAM FOR LAKE		
2632	TRIGRAM FOR FIRE		
2633	TRIGRAM FOR THUNDER		
2634	TRIGRAM FOR WIND		
2635	TRIGRAM FOR WATER		
2636	TRIGRAM FOR MOUNTAIN		
2637	TRIGRAM FOR EARTH		
2638	WHEEL OF DHARMA		
2639	WHITE FROWNING FACE		
263A	WHITE SMILING FACE		
263B	BLACK SMILING FACE		
263C	WHITE SUN WITH RAYS		
263D	FIRST QUARTER MOON		
263E	LAST QUARTER MOON		
263F	MERCURY		
2640	FEMALE SIGN		
2641	EARTH		
2642	MALE SIGN		
2643	JUPITER		
2644	SATURN		
2645	URANUS		
2646	NEPTUNE		
2647	PLUTO		
2648	ARIES		
2649	TAURUS		
264A	GEMINI		
264B	CANCER		
264C	LEO		
264D	VIRGO		
264E	LIBRA		
264F	SCORPIUS		
2650	SAGITTARIUS		
2651	CAPRICORN		
2652	AQUARIUS		
2653	PISCES		
2654	WHITE CHESS KING		
2655	WHITE CHESS QUEEN		
2656	WHITE CHESS ROOK		
2657	WHITE CHESS BISHOP		
2658	WHITE CHESS KNIGHT		
2659	WHITE CHESS PAWN		
265A	BLACK CHESS KING		
265B	BLACK CHESS QUEEN		
265C	BLACK CHESS ROOK		

Group 00

Plane 00

Row 26

Table 76 - Row 26: Miscellaneous Symbols

	268	269	26A	26B	26C	26D	26E	26F
0	 2680							
1	 2681							
2	 2682							
3	 2683							
4	 2684							
5	 2685							
6	 2686							
7	 2687							
8	 2688							
9	 2689							
A								
B								
C								
D								
E								
F								

G = 00
P = 00

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Table 78 - Row 27: Dingbats

	276	277	278	279	27A	27B
0		 2770	 2780	 2790	 27A0	
1	 2761	 2771	 2781	 2791	 27A1	 27B1
2	 2762	 2772	 2782	 2792	 27A2	 27B2
3	 2763	 2773	 2783	 2793	 27A3	 27B3
4	 2764	 2774	 2784	 2794	 27A4	 27B4
5	 2765	 2775	 2785		 27A5	 27B5
6	 2766	 2776	 2786		 27A6	 27B6
7	 2767	 2777	 2787		 27A7	 27B7
8	 2768	 2778	 2788	 2798	 27A8	 27B8
9	 2769	 2779	 2789	 2799	 27A9	 27B9
A	 276A	 277A	 278A	 279A	 27AA	 27BA
B	 276B	 277B	 278B	 279B	 27AB	 27BB
C	 276C	 277C	 278C	 279C	 27AC	 27BC
D	 276D	 277D	 278D	 279D	 27AD	 27BD
E	 276E	 277E	 278E	 279E	 27AE	 27BE
F	 276F	 277F	 278F	 279F	 27AF	

G = 00
P = 00

Table 78 - Row 27: Dingbats

HEX	NAME	HEX	NAME
2760	(This position shall not be used)	27BD	HEAVY WEDGE-TAILED RIGHTWARDS ARROW
2761	CURVED STEM PARAGRAPH SIGN ORNAMENT	27BE	OPEN-OUTLINED RIGHTWARDS ARROW
2762	HEAVY EXCLAMATION MARK ORNAMENT	27BF	(This position shall not be used)
2763	HEAVY HEART EXCLAMATION MARK ORNAMENT		
2764	HEAVY BLACK HEART		
2765	ROTATED HEAVY BLACK HEART BULLET		
2766	FLORAL HEART		
2767	ROTATED FLORAL HEART BULLET		
2768	MEDIUM LEFT PARENTHESIS ORNAMENT		
2769	MEDIUM RIGHT PARENTHESIS ORNAMENT		
276A	MEDIUM FLATTENED LEFT PARENTHESIS ORNAMENT		
276B	MEDIUM FLATTENED RIGHT PARENTHESIS ORNAMENT		
276C	MEDIUM LEFT-POINTING ANGLE BRACKET ORNAMENT		
276D	MEDIUM RIGHT-POINTING ANGLE BRACKET ORNAMENT		
276E	HEAVY LEFT-POINTING ANGLE QUOTATION MARK ORNAMENT		
276F	HEAVY RIGHT-POINTING ANGLE QUOTATION MARK ORNAMENT		
2770	HEAVY LEFT-POINTING ANGLE BRACKET ORNAMENT		
2771	HEAVY RIGHT-POINTING ANGLE BRACKET ORNAMENT		
2772	LIGHT LEFT TORTOISE SHELL BRACKET ORNAMENT		
2773	LIGHT RIGHT TORTOISE SHELL BRACKET ORNAMENT		
2774	MEDIUM LEFT CURLY BRACKET ORNAMENT		
2775	MEDIUM RIGHT CURLY BRACKET ORNAMENT		
2776	DINGBAT NEGATIVE CIRCLED DIGIT ONE		
2777	DINGBAT NEGATIVE CIRCLED DIGIT TWO		
2778	DINGBAT NEGATIVE CIRCLED DIGIT THREE		
2779	DINGBAT NEGATIVE CIRCLED DIGIT FOUR		
277A	DINGBAT NEGATIVE CIRCLED DIGIT FIVE		
277B	DINGBAT NEGATIVE CIRCLED DIGIT SIX		
277C	DINGBAT NEGATIVE CIRCLED DIGIT SEVEN		
277D	DINGBAT NEGATIVE CIRCLED DIGIT EIGHT		
277E	DINGBAT NEGATIVE CIRCLED DIGIT NINE		
277F	DINGBAT NEGATIVE CIRCLED NUMBER TEN		
2780	DINGBAT CIRCLED SANS-SERIF DIGIT ONE		
2781	DINGBAT CIRCLED SANS-SERIF DIGIT TWO		
2782	DINGBAT CIRCLED SANS-SERIF DIGIT THREE		
2783	DINGBAT CIRCLED SANS-SERIF DIGIT FOUR		
2784	DINGBAT CIRCLED SANS-SERIF DIGIT FIVE		
2785	DINGBAT CIRCLED SANS-SERIF DIGIT SIX		
2786	DINGBAT CIRCLED SANS-SERIF DIGIT SEVEN		
2787	DINGBAT CIRCLED SANS-SERIF DIGIT EIGHT		
2788	DINGBAT CIRCLED SANS-SERIF DIGIT NINE		
2789	DINGBAT CIRCLED SANS-SERIF NUMBER TEN		
278A	DINGBAT NEGATIVE CIRCLED SANS-SERIF DIGIT ONE		
278B	DINGBAT NEGATIVE CIRCLED SANS-SERIF DIGIT TWO		
278C	DINGBAT NEGATIVE CIRCLED SANS-SERIF DIGIT THREE		
278D	DINGBAT NEGATIVE CIRCLED SANS-SERIF DIGIT FOUR		
278E	DINGBAT NEGATIVE CIRCLED SANS-SERIF DIGIT FIVE		
278F	DINGBAT NEGATIVE CIRCLED SANS-SERIF DIGIT SIX		
2790	DINGBAT NEGATIVE CIRCLED SANS-SERIF DIGIT SEVEN		
2791	DINGBAT NEGATIVE CIRCLED SANS-SERIF DIGIT EIGHT		
2792	DINGBAT NEGATIVE CIRCLED SANS-SERIF DIGIT NINE		
2793	DINGBAT NEGATIVE CIRCLED SANS-SERIF NUMBER TEN		
2794	HEAVY WIDE-HEADED RIGHTWARDS ARROW		
2795	(This position shall not be used)		
2796	(This position shall not be used)		
2797	(This position shall not be used)		
2798	HEAVY SOUTH EAST ARROW		
2799	HEAVY RIGHTWARDS ARROW		
279A	HEAVY NORTH EAST ARROW		
279B	DRAFTING POINT RIGHTWARDS ARROW		
279C	HEAVY ROUND-TIPPED RIGHTWARDS ARROW		
279D	TRIANGLE-HEADED RIGHTWARDS ARROW		
279E	HEAVY TRIANGLE-HEADED RIGHTWARDS ARROW		
279F	DASHED TRIANGLE-HEADED RIGHTWARDS ARROW		
27A0	HEAVY DASHED TRIANGLE-HEADED RIGHTWARDS ARROW		
27A1	BLACK RIGHTWARDS ARROW		
27A2	THREE-D TOP-LIGHTED RIGHTWARDS ARROWHEAD		
27A3	THREE-D BOTTOM-LIGHTED RIGHTWARDS ARROWHEAD		
27A4	BLACK RIGHTWARDS ARROWHEAD		
27A5	HEAVY BLACK CURVED DOWNWARDS AND RIGHTWARDS ARROW		
27A6	HEAVY BLACK CURVED UPWARDS AND RIGHTWARDS ARROW		
27A7	SQUAT BLACK RIGHTWARDS ARROW		
27A8	HEAVY CONCAVE-POINTED BLACK RIGHTWARDS ARROW		
27A9	RIGHT-SHADED WHITE RIGHTWARDS ARROW		
27AA	LEFT-SHADED WHITE RIGHTWARDS ARROW		
27AB	BACK-TILTED SHADOWED WHITE RIGHTWARDS ARROW		
27AC	FRONT-TILTED SHADOWED WHITE RIGHTWARDS ARROW		
27AD	HEAVY LOWER RIGHT-SHADOWED WHITE RIGHTWARDS ARROW		
27AE	HEAVY UPPER RIGHT-SHADOWED WHITE RIGHTWARDS ARROW		
27AF	NOTCHED LOWER RIGHT-SHADOWED WHITE RIGHTWARDS ARROW		
27B0	(This position shall not be used)		
27B1	NOTCHED UPPER RIGHT-SHADOWED WHITE RIGHTWARDS ARROW		
27B2	CIRCLED HEAVY WHITE RIGHTWARDS ARROW		
27B3	WHITE-FEATHERED RIGHTWARDS ARROW		
27B4	BLACK-FEATHERED SOUTH EAST ARROW		
27B5	BLACK-FEATHERED RIGHTWARDS ARROW		
27B6	BLACK-FEATHERED NORTH EAST ARROW		
27B7	HEAVY BLACK-FEATHERED SOUTH EAST ARROW		
27B8	HEAVY BLACK-FEATHERED RIGHTWARDS ARROW		
27B9	HEAVY BLACK-FEATHERED NORTH EAST ARROW		
27BA	TEARDROP-BARBED RIGHTWARDS ARROW		
27BB	HEAVY TEARDROP-SHANKED RIGHTWARDS ARROW		
27BC	WEDGE-TAILED RIGHTWARDS ARROW		

Group 00

Plane 00

Row 27

Table 79 - Row 27: Miscellaneous Mathematical Symbols-A

	27D	27E
0	 27D0	 27E0
1	 27D1	 27E1
2	 27D2	 27E2
3	 27D3	 27E3
4	 27D4	 27E4
5	 27D5	 27E5
6	 27D6	 27E6
7	 27D7	 27E7
8	 27D8	 27E8
9	 27D9	 27E9
A	 27DA	 27EA
B	 27DB	 27EB
C	 27DC	
D	 27DD	
E	 27DE	
F	 27DF	

G = 00
P = 00

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Table 79 - Row 27: Miscellaneous Mathematical Symbols-A

HEX	NAME	HEX	NAME
27D0	WHITE DIAMOND WITH CENTRED DOT		
27D1	AND WITH DOT		
27D2	ELEMENT OF OPENING UPWARDS		
27D3	LOWER RIGHT CORNER WITH DOT		
27D4	UPPER LEFT CORNER WITH DOT		
27D5	LEFT OUTER JOIN		
27D6	RIGHT OUTER JOIN		
27D7	FULL OUTER JOIN		
27D8	LARGE UP TACK		
27D9	LARGE DOWN TACK		
27DA	LEFT AND RIGHT DOUBLE TURNSTILE		
27DB	LEFT AND RIGHT TACK		
27DC	LEFT MULTIMAP		
27DD	LONG RIGHT TACK		
27DE	LONG LEFT TACK		
27DF	UP TACK WITH CIRCLE ABOVE		
27E0	LOZENGE DIVIDED BY HORIZONTAL RULE		
27E1	WHITE CONCAVE-SIDED DIAMOND		
27E2	WHITE CONCAVE-SIDED DIAMOND WITH LEFTWARDS TICK		
27E3	WHITE CONCAVE-SIDED DIAMOND WITH RIGHTWARDS TICK		
27E4	WHITE SQUARE WITH LEFTWARDS TICK		
27E5	WHITE SQUARE WITH RIGHTWARDS TICK		
27E6	MATHEMATICAL LEFT WHITE SQUARE BRACKET		
27E7	MATHEMATICAL RIGHT WHITE SQUARE BRACKET		
27E8	MATHEMATICAL LEFT ANGLE BRACKET		
27E9	MATHEMATICAL RIGHT ANGLE BRACKET		
27EA	MATHEMATICAL LEFT DOUBLE ANGLE BRACKET		
27EB	MATHEMATICAL RIGHT DOUBLE ANGLE BRACKET		
27EC	(This position shall not be used)		
27ED	(This position shall not be used)		
27EE	(This position shall not be used)		
27EF	(This position shall not be used)		

Group 00

Plane 00

Row 27

Table 80 - Row 27: Supplemental Arrows-A

27F	
0	 27F0
1	 27F1
2	 27F2
3	 27F3
4	 27F4
5	 27F5
6	 27F6
7	 27F7
8	 27F8
9	 27F9
A	 27FA
B	 27FB
C	 27FC
D	 27FD
E	 27FE
F	 27FF

G = 00
P = 00

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Table 80 - Row 27: Supplemental Arrows-A

HEX	NAME	HEX	NAME
27F0	UPWARDS QUADRUPLE ARROW		
27F1	DOWNWARDS QUADRUPLE ARROW		
27F2	ANTICLOCKWISE GAPPED CIRCLE ARROW		
27F3	CLOCKWISE GAPPED CIRCLE ARROW		
27F4	RIGHT ARROW WITH CIRCLED PLUS		
27F5	LONG LEFTWARDS ARROW		
27F6	LONG RIGHTWARDS ARROW		
27F7	LONG LEFT RIGHT ARROW		
27F8	LONG LEFTWARDS DOUBLE ARROW		
27F9	LONG RIGHTWARDS DOUBLE ARROW		
27FA	LONG LEFT RIGHT DOUBLE ARROW		
27FB	LONG LEFTWARDS ARROW FROM BAR		
27FC	LONG RIGHTWARDS ARROW FROM BAR		
27FD	LONG LEFTWARDS DOUBLE ARROW FROM BAR		
27FE	LONG RIGHTWARDS DOUBLE ARROW FROM BAR		
27FF	LONG RIGHTWARDS SQUIGGLE ARROW		

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Group 00

Plane 00

Row 27

Table 83 - Row 29: Supplemental Arrows-B

	290	291	292	293	294	295	296	297
0	 2900	 2910	 2920	 2930	 2940	 2950	 2960	 2970
1	 2901	 2911	 2921	 2931	 2941	 2951	 2961	 2971
2	 2902	 2912	 2922	 2932	 2942	 2952	 2962	 2972
3	 2903	 2913	 2923	 2933	 2943	 2953	 2963	 2973
4	 2904	 2914	 2924	 2934	 2944	 2954	 2964	 2974
5	 2905	 2915	 2925	 2935	 2945	 2955	 2965	 2975
6	 2906	 2916	 2926	 2936	 2946	 2956	 2966	 2976
7	 2907	 2917	 2927	 2937	 2947	 2957	 2967	 2977
8	 2908	 2918	 2928	 2938	 2948	 2958	 2968	 2978
9	 2909	 2919	 2929	 2939	 2949	 2959	 2969	 2979
A	 290A	 291A	 292A	 293A	 294A	 295A	 296A	 297A
B	 290B	 291B	 292B	 293B	 294B	 295B	 296B	 297B
C	 290C	 291C	 292C	 293C	 294C	 295C	 296C	 297C
D	 290D	 291D	 292D	 293D	 294D	 295D	 296D	 297D
E	 290E	 291E	 292E	 293E	 294E	 295E	 296E	 297E
F	 290F	 291F	 292F	 293F	 294F	 295F	 296F	 297F

G = 00
P = 00

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Table 83 - Row 29: Supplemental Arrows-B

HEX	NAME	HEX	NAME
2900	RIGHTWARDS TWO-HEADED ARROW WITH VERTICAL STROKE	295D	DOWNWARDS HARPOON WITH BARB RIGHT FROM BAR
2901	RIGHTWARDS TWO-HEADED ARROW WITH DOUBLE VERTICAL STROKE	295E	LEFTWARDS HARPOON WITH BARB DOWN FROM BAR
2902	LEFTWARDS DOUBLE ARROW WITH VERTICAL STROKE	295F	RIGHTWARDS HARPOON WITH BARB DOWN FROM BAR
2903	RIGHTWARDS DOUBLE ARROW WITH VERTICAL STROKE	2960	UPWARDS HARPOON WITH BARB LEFT FROM BAR
2904	LEFT RIGHT DOUBLE ARROW WITH VERTICAL STROKE	2961	DOWNWARDS HARPOON WITH BARB LEFT FROM BAR
2905	RIGHTWARDS TWO-HEADED ARROW FROM BAR	2962	LEFTWARDS HARPOON WITH BARB UP ABOVE LEFTWARDS HARPOON WITH BARB DOWN
2906	LEFTWARDS DOUBLE ARROW FROM BAR	2963	UPWARDS HARPOON WITH BARB LEFT BESIDE UPWARDS HARPOON WITH BARB RIGHT
2907	RIGHTWARDS DOUBLE ARROW FROM BAR	2964	RIGHTWARDS HARPOON WITH BARB UP ABOVE RIGHTWARDS HARPOON WITH BARB DOWN
2908	DOWNWARDS ARROW WITH HORIZONTAL STROKE	2965	DOWNWARDS HARPOON WITH BARB LEFT BESIDE DOWNWARDS HARPOON WITH BARB RIGHT
2909	UPWARDS ARROW WITH HORIZONTAL STROKE	2966	LEFTWARDS HARPOON WITH BARB UP ABOVE RIGHTWARDS HARPOON WITH BARB UP
290A	UPWARDS TRIPLE ARROW	2967	LEFTWARDS HARPOON WITH BARB DOWN ABOVE RIGHTWARDS HARPOON WITH BARB DOWN
290B	DOWNWARDS TRIPLE ARROW	2968	RIGHTWARDS HARPOON WITH BARB UP ABOVE LEFTWARDS HARPOON WITH BARB UP
290C	LEFTWARDS DOUBLE DASH ARROW	2969	RIGHTWARDS HARPOON WITH BARB DOWN ABOVE LEFTWARDS HARPOON WITH BARB DOWN
290D	RIGHTWARDS DOUBLE DASH ARROW	296A	LEFTWARDS HARPOON WITH BARB UP ABOVE LONG DASH
290E	LEFTWARDS TRIPLE DASH ARROW	296B	LEFTWARDS HARPOON WITH BARB DOWN BELOW LONG DASH
290F	RIGHTWARDS TRIPLE DASH ARROW	296C	RIGHTWARDS HARPOON WITH BARB UP ABOVE LONG DASH
2910	RIGHTWARDS TWO-HEADED TRIPLE DASH ARROW	296D	RIGHTWARDS HARPOON WITH BARB DOWN BELOW LONG DASH
2911	RIGHTWARDS ARROW WITH DOTTED STEM	296E	UPWARDS HARPOON WITH BARB LEFT BESIDE DOWNWARDS HARPOON WITH BARB RIGHT
2912	UPWARDS ARROW TO BAR	296F	DOWNWARDS HARPOON WITH BARB LEFT BESIDE UPWARDS HARPOON WITH BARB RIGHT
2913	DOWNWARDS ARROW TO BAR	2970	RIGHT DOUBLE ARROW WITH ROUNDED HEAD
2914	RIGHTWARDS ARROW WITH TAIL WITH VERTICAL STROKE	2971	EQUALS SIGN ABOVE RIGHTWARDS ARROW
2915	RIGHTWARDS ARROW WITH TAIL WITH DOUBLE VERTICAL STROKE	2972	TILDE OPERATOR ABOVE RIGHTWARDS ARROW
2916	RIGHTWARDS TWO-HEADED ARROW WITH TAIL	2973	LEFTWARDS ARROW ABOVE TILDE OPERATOR
2917	RIGHTWARDS TWO-HEADED ARROW WITH TAIL WITH VERTICAL STROKE	2974	RIGHTWARDS ARROW ABOVE TILDE OPERATOR
2918	RIGHTWARDS TWO-HEADED ARROW WITH TAIL WITH DOUBLE VERTICAL STROKE	2975	RIGHTWARDS ARROW ABOVE ALMOST EQUAL TO
2919	LEFTWARDS ARROW-TAIL	2976	LESS-THAN ABOVE LEFTWARDS ARROW
291A	RIGHTWARDS ARROW-TAIL	2977	LEFTWARDS ARROW THROUGH LESS-THAN
291B	LEFTWARDS DOUBLE ARROW-TAIL	2978	GREATER-THAN ABOVE RIGHTWARDS ARROW
291C	RIGHTWARDS DOUBLE ARROW-TAIL	2979	SUBSET ABOVE RIGHTWARDS ARROW
291D	LEFTWARDS ARROW TO BLACK DIAMOND	297A	LEFTWARDS ARROW THROUGH SUBSET
291E	RIGHTWARDS ARROW TO BLACK DIAMOND	297B	SUPERSET ABOVE LEFTWARDS ARROW
291F	LEFTWARDS ARROW FROM BAR TO BLACK DIAMOND	297C	LEFT FISH TAIL
2920	RIGHTWARDS ARROW FROM BAR TO BLACK DIAMOND	297D	RIGHT FISH TAIL
2921	NORTH WEST AND SOUTH EAST ARROW	297E	UP FISH TAIL
2922	NORTH EAST AND SOUTH WEST ARROW	297F	DOWN FISH TAIL
2923	NORTH WEST ARROW WITH HOOK		
2924	NORTH EAST ARROW WITH HOOK		
2925	SOUTH EAST ARROW WITH HOOK		
2926	SOUTH WEST ARROW WITH HOOK		
2927	NORTH WEST ARROW AND NORTH EAST ARROW		
2928	NORTH EAST ARROW AND SOUTH EAST ARROW		
2929	SOUTH EAST ARROW AND SOUTH WEST ARROW		
292A	SOUTH WEST ARROW AND NORTH WEST ARROW		
292B	RISING DIAGONAL CROSSING FALLING DIAGONAL		
292C	FALLING DIAGONAL CROSSING RISING DIAGONAL		
292D	SOUTH EAST ARROW CROSSING NORTH EAST ARROW		
292E	NORTH EAST ARROW CROSSING SOUTH EAST ARROW		
292F	FALLING DIAGONAL CROSSING NORTH EAST ARROW		
2930	RISING DIAGONAL CROSSING SOUTH EAST ARROW		
2931	NORTH EAST ARROW CROSSING NORTH WEST ARROW		
2932	NORTH WEST ARROW CROSSING NORTH EAST ARROW		
2933	WAVE ARROW POINTING DIRECTLY RIGHT		
2934	ARROW POINTING RIGHTWARDS THEN CURVING UPWARDS		
2935	ARROW POINTING RIGHTWARDS THEN CURVING DOWNWARDS		
2936	ARROW POINTING DOWNWARDS THEN CURVING LEFTWARDS		
2937	ARROW POINTING DOWNWARDS THEN CURVING RIGHTWARDS		
2938	RIGHT-SIDE ARC CLOCKWISE ARROW		
2939	LEFT-SIDE ARC ANTICLOCKWISE ARROW		
293A	TOP ARC ANTICLOCKWISE ARROW		
293B	BOTTOM ARC ANTICLOCKWISE ARROW		
293C	TOP ARC CLOCKWISE ARROW WITH MINUS		
293D	TOP ARC ANTICLOCKWISE ARROW WITH PLUS		
293E	LOWER RIGHT SEMICIRCULAR CLOCKWISE ARROW		
293F	LOWER LEFT SEMICIRCULAR ANTICLOCKWISE ARROW		
2940	ANTICLOCKWISE CLOSED CIRCLE ARROW		
2941	CLOCKWISE CLOSED CIRCLE ARROW		
2942	RIGHTWARDS ARROW ABOVE SHORT LEFTWARDS ARROW		
2943	LEFTWARDS ARROW ABOVE SHORT RIGHTWARDS ARROW		
2944	SHORT RIGHTWARDS ARROW ABOVE LEFTWARDS ARROW		
2945	RIGHTWARDS ARROW WITH PLUS BELOW		
2946	LEFTWARDS ARROW WITH PLUS BELOW		
2947	RIGHTWARDS ARROW THROUGH X		
2948	LEFT RIGHT ARROW THROUGH SMALL CIRCLE		
2949	UPWARDS TWO-HEADED ARROW FROM SMALL CIRCLE		
294A	LEFT BARB UP RIGHT BARB DOWN HARPOON		
294B	LEFT BARB DOWN RIGHT BARB UP HARPOON		
294C	UP BARB RIGHT DOWN BARB LEFT HARPOON		
294D	UP BARB LEFT DOWN BARB RIGHT HARPOON		
294E	LEFT BARB UP RIGHT BARB UP HARPOON		
294F	UP BARB RIGHT DOWN BARB RIGHT HARPOON		
2950	LEFT BARB DOWN RIGHT BARB DOWN HARPOON		
2951	UP BARB LEFT DOWN BARB LEFT HARPOON		
2952	LEFTWARDS HARPOON WITH BARB UP TO BAR		
2953	RIGHTWARDS HARPOON WITH BARB UP TO BAR		
2954	UPWARDS HARPOON WITH BARB RIGHT TO BAR		
2955	DOWNWARDS HARPOON WITH BARB RIGHT TO BAR		
2956	LEFTWARDS HARPOON WITH BARB DOWN TO BAR		
2957	RIGHTWARDS HARPOON WITH BARB DOWN TO BAR		
2958	UPWARDS HARPOON WITH BARB LEFT TO BAR		
2959	DOWNWARDS HARPOON WITH BARB LEFT TO BAR		
295A	LEFTWARDS HARPOON WITH BARB UP FROM BAR		
295B	RIGHTWARDS HARPOON WITH BARB UP FROM BAR		
295C	UPWARDS HARPOON WITH BARB RIGHT FROM BAR		

Group 00

Plane 00

Row 29

Table 84 - Row 29: Miscellaneous Mathematical Symbols-B

	298	299	29A	29B	29C	29D	29E	29F
0	 2980	 2990	 29A0	 29B0	 29C0	 29D0	 29E0	 29F0
1	 2981	 2991	 29A1	 29B1	 29C1	 29D1	 29E1	 29F1
2	 2982	 2992	 29A2	 29B2	 29C2	 29D2	 29E2	 29F2
3	 2983	 2993	 29A3	 29B3	 29C3	 29D3	 29E3	 29F3
4	 2984	 2994	 29A4	 29B4	 29C4	 29D4	 29E4	 29F4
5	 2985	 2995	 29A5	 29B5	 29C5	 29D5	 29E5	 29F5
6	 2986	 2996	 29A6	 29B6	 29C6	 29D6	 29E6	 29F6
7	 2987	 2997	 29A7	 29B7	 29C7	 29D7	 29E7	 29F7
8	 2988	 2998	 29A8	 29B8	 29C8	 29D8	 29E8	 29F8
9	 2989	 2999	 29A9	 29B9	 29C9	 29D9	 29E9	 29F9
A	 298A	 299A	 29AA	 29BA	 29CA	 29DA	 29EA	 29FA
B	 298B	 299B	 29AB	 29BB	 29CB	 29DB	 29EB	 29FB
C	 298C	 299C	 29AC	 29BC	 29CC	 29DC	 29EC	 29FC
D	 298D	 299D	 29AD	 29BD	 29CD	 29DD	 29ED	 29FD
E	 298E	 299E	 29AE	 29BE	 29CE	 29DE	 29EE	 29FE
F	 298F	 299F	 29AF	 29BF	 29CF	 29DF	 29EF	 29FF

G = 00
P = 00

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Table 84 - Row 29: Miscellaneous Mathematical Symbols-B

HEX	NAME	HEX	NAME
2980	TRIPLE VERTICAL BAR DELIMITER	29DD	TIE OVER INFINITY
2981	Z NOTATION SPOT	29DE	INFINITY NEGATED WITH VERTICAL BAR
2982	Z NOTATION TYPE COLON	29DF	DOUBLE-ENDED MULTIMAP
2983	LEFT WHITE CURLY BRACKET	29E0	SQUARE WITH CONTOURED OUTLINE
2984	RIGHT WHITE CURLY BRACKET	29E1	INCREASES AS
2985	LEFT WHITE PARENTHESIS	29E2	SHUFFLE PRODUCT
2986	RIGHT WHITE PARENTHESIS	29E3	EQUALS SIGN AND SLANTED PARALLEL
2987	Z NOTATION LEFT IMAGE BRACKET	29E4	EQUALS SIGN AND SLANTED PARALLEL WITH TILDE ABOVE
2988	Z NOTATION RIGHT IMAGE BRACKET	29E5	IDENTICAL TO AND SLANTED PARALLEL
2989	Z NOTATION LEFT BINDING BRACKET	29E6	GLEICH STARK
298A	Z NOTATION RIGHT BINDING BRACKET	29E7	THERMODYNAMIC
298B	LEFT SQUARE BRACKET WITH UNDERBAR	29E8	DOWN-POINTING TRIANGLE WITH LEFT HALF BLACK
298C	RIGHT SQUARE BRACKET WITH UNDERBAR	29E9	DOWN-POINTING TRIANGLE WITH RIGHT HALF BLACK
298D	LEFT SQUARE BRACKET WITH TICK IN TOP CORNER	29EA	BLACK DIAMOND WITH DOWN ARROW
298E	RIGHT SQUARE BRACKET WITH TICK IN BOTTOM CORNER	29EB	BLACK LOZENGE
298F	LEFT SQUARE BRACKET WITH TICK IN BOTTOM CORNER	29EC	WHITE CIRCLE WITH DOWN ARROW
2990	RIGHT SQUARE BRACKET WITH TICK IN TOP CORNER	29ED	BLACK CIRCLE WITH DOWN ARROW
2991	LEFT ANGLE BRACKET WITH DOT	29EE	ERROR-BARRED WHITE SQUARE
2992	RIGHT ANGLE BRACKET WITH DOT	29EF	ERROR-BARRED BLACK SQUARE
2993	LEFT ARC LESS-THAN BRACKET	29F0	ERROR-BARRED WHITE DIAMOND
2994	RIGHT ARC GREATER-THAN BRACKET	29F1	ERROR-BARRED BLACK DIAMOND
2995	DOUBLE LEFT ARC GREATER-THAN BRACKET	29F2	ERROR-BARRED WHITE CIRCLE
2996	DOUBLE RIGHT ARC LESS-THAN BRACKET	29F3	ERROR-BARRED BLACK CIRCLE
2997	LEFT BLACK TORTOISE SHELL BRACKET	29F4	RULE-DELAYED
2998	RIGHT BLACK TORTOISE SHELL BRACKET	29F5	REVERSE SOLIDUS OPERATOR
2999	DOTTED FENCE	29F6	SOLIDUS WITH OVERBAR
299A	VERTICAL ZIGZAG LINE	29F7	REVERSE SOLIDUS WITH HORIZONTAL STROKE
299B	MEASURED ANGLE OPENING LEFT	29F8	BIG SOLIDUS
299C	RIGHT ANGLE VARIANT WITH SQUARE	29F9	BIG REVERSE SOLIDUS
299D	MEASURED RIGHT ANGLE WITH DOT	29FA	DOUBLE PLUS
299E	ANGLE WITH S INSIDE	29FB	TRIPLE PLUS
299F	ACUTE ANGLE	29FC	LEFT-POINTING CURVED ANGLE BRACKET
29A0	SPHERICAL ANGLE OPENING LEFT	29FD	RIGHT-POINTING CURVED ANGLE BRACKET
29A1	SPHERICAL ANGLE OPENING UP	29FE	TINY
29A2	TURNED ANGLE	29FF	MINI
29A3	REVERSED ANGLE		
29A4	ANGLE WITH UNDERBAR		
29A5	REVERSED ANGLE WITH UNDERBAR		
29A6	OBLIQUE ANGLE OPENING UP		
29A7	OBLIQUE ANGLE OPENING DOWN		
29A8	MEASURED ANGLE WITH OPEN ARM ENDING IN ARROW POINTING UP AND RIGHT		
29A9	MEASURED ANGLE WITH OPEN ARM ENDING IN ARROW POINTING UP AND LEFT		
29AA	MEASURED ANGLE WITH OPEN ARM ENDING IN ARROW POINTING DOWN AND RIGHT		
29AB	MEASURED ANGLE WITH OPEN ARM ENDING IN ARROW POINTING DOWN AND LEFT		
29AC	MEASURED ANGLE WITH OPEN ARM ENDING IN ARROW POINTING RIGHT AND UP		
29AD	MEASURED ANGLE WITH OPEN ARM ENDING IN ARROW POINTING LEFT AND UP		
29AE	MEASURED ANGLE WITH OPEN ARM ENDING IN ARROW POINTING RIGHT AND DOWN		
29AF	MEASURED ANGLE WITH OPEN ARM ENDING IN ARROW POINTING LEFT AND DOWN		
29B0	REVERSED EMPTY SET		
29B1	EMPTY SET WITH OVERBAR		
29B2	EMPTY SET WITH SMALL CIRCLE ABOVE		
29B3	EMPTY SET WITH RIGHT ARROW ABOVE		
29B4	EMPTY SET WITH LEFT ARROW ABOVE		
29B5	CIRCLE WITH HORIZONTAL BAR		
29B6	CIRCLED VERTICAL BAR		
29B7	CIRCLED PARALLEL		
29B8	CIRCLED REVERSE SOLIDUS		
29B9	CIRCLED PERPENDICULAR		
29BA	CIRCLE DIVIDED BY HORIZONTAL BAR AND TOP HALF DIVIDED BY VERTICAL BAR		
29BB	CIRCLE WITH SUPERIMPOSED X		
29BC	CIRCLED ANTICLOCKWISE-ROTATED DIVISION SIGN		
29BD	UP ARROW THROUGH CIRCLE		
29BE	CIRCLED WHITE BULLET		
29BF	CIRCLED BULLET		
29C0	CIRCLED LESS-THAN		
29C1	CIRCLED GREATER-THAN		
29C2	CIRCLE WITH SMALL CIRCLE TO THE RIGHT		
29C3	CIRCLE WITH TWO HORIZONTAL STROKES TO THE RIGHT		
29C4	SQUARED RISING DIAGONAL SLASH		
29C5	SQUARED FALLING DIAGONAL SLASH		
29C6	SQUARED ASTERISK		
29C7	SQUARED SMALL CIRCLE		
29C8	SQUARED SQUARE		
29C9	TWO JOINED SQUARES		
29CA	TRIANGLE WITH DOT ABOVE		
29CB	TRIANGLE WITH UNDERBAR		
29CC	S IN TRIANGLE		
29CD	TRIANGLE WITH SERIFS AT BOTTOM		
29CE	RIGHT TRIANGLE ABOVE LEFT TRIANGLE		
29CF	LEFT TRIANGLE BESIDE VERTICAL BAR		
29D0	VERTICAL BAR BESIDE RIGHT TRIANGLE		
29D1	BOWTIE WITH LEFT HALF BLACK		
29D2	BOWTIE WITH RIGHT HALF BLACK		
29D3	BLACK BOWTIE		
29D4	TIMES WITH LEFT HALF BLACK		
29D5	TIMES WITH RIGHT HALF BLACK		
29D6	WHITE HOURGLASS		
29D7	BLACK HOURGLASS		
29D8	LEFT WIGGLY FENCE		
29D9	RIGHT WIGGLY FENCE		
29DA	LEFT DOUBLE WIGGLY FENCE		
29DB	RIGHT DOUBLE WIGGLY FENCE		
29DC	INCOMPLETE INFINITY		

Group 00

Plane 00

Row 29

Table 85 - Row 2A: Supplemental Mathematical Operators

	2A0	2A1	2A2	2A3	2A4	2A5	2A6	2A7
0	 2A00	 2A10	 2A20	 2A30	 2A40	 2A50	 2A60	 2A70
1	 2A01	 2A11	 2A21	 2A31	 2A41	 2A51	 2A61	 2A71
2	 2A02	 2A12	 2A22	 2A32	 2A42	 2A52	 2A62	 2A72
3	 2A03	 2A13	 2A23	 2A33	 2A43	 2A53	 2A63	 2A73
4	 2A04	 2A14	 2A24	 2A34	 2A44	 2A54	 2A64	 2A74
5	 2A05	 2A15	 2A25	 2A35	 2A45	 2A55	 2A65	 2A75
6	 2A06	 2A16	 2A26	 2A36	 2A46	 2A56	 2A66	 2A76
7	 2A07	 2A17	 2A27	 2A37	 2A47	 2A57	 2A67	 2A77
8	 2A08	 2A18	 2A28	 2A38	 2A48	 2A58	 2A68	 2A78
9	 2A09	 2A19	 2A29	 2A39	 2A49	 2A59	 2A69	 2A79
A	 2A0A	 2A1A	 2A2A	 2A3A	 2A4A	 2A5A	 2A6A	 2A7A
B	 2A0B	 2A1B	 2A2B	 2A3B	 2A4B	 2A5B	 2A6B	 2A7B
C	 2A0C	 2A1C	 2A2C	 2A3C	 2A4C	 2A5C	 2A6C	 2A7C
D	 2A0D	 2A1D	 2A2D	 2A3D	 2A4D	 2A5D	 2A6D	 2A7D
E	 2A0E	 2A1E	 2A2E	 2A3E	 2A4E	 2A5E	 2A6E	 2A7E
F	 2A0F	 2A1F	 2A2F	 2A3F	 2A4F	 2A5F	 2A6F	 2A7F

G = 00
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Table 85 - Row 2A: Supplemental Mathematical Operators

HEX	NAME	HEX	NAME
2A00	N-ARY CIRCLED DOT OPERATOR	2A5D	LOGICAL OR WITH HORIZONTAL DASH
2A01	N-ARY CIRCLED PLUS OPERATOR	2A5E	LOGICAL AND WITH DOUBLE OVERBAR
2A02	N-ARY CIRCLED TIMES OPERATOR	2A5F	LOGICAL AND WITH UNDERBAR
2A03	N-ARY UNION OPERATOR WITH DOT	2A60	LOGICAL AND WITH DOUBLE UNDERBAR
2A04	N-ARY UNION OPERATOR WITH PLUS	2A61	SMALL VEE WITH UNDERBAR
2A05	N-ARY SQUARE INTERSECTION OPERATOR	2A62	LOGICAL OR WITH DOUBLE OVERBAR
2A06	N-ARY SQUARE UNION OPERATOR	2A63	LOGICAL OR WITH DOUBLE UNDERBAR
2A07	TWO LOGICAL AND OPERATOR	2A64	Z NOTATION DOMAIN ANTIRESTRICTION
2A08	TWO LOGICAL OR OPERATOR	2A65	Z NOTATION RANGE ANTIRESTRICTION
2A09	N-ARY TIMES OPERATOR	2A66	EQUALS SIGN WITH DOT BELOW
2A0A	MODULO TWO SUM	2A67	IDENTICAL WITH DOT ABOVE
2A0B	SUMMATION WITH INTEGRAL	2A68	TRIPLE HORIZONTAL BAR WITH DOUBLE VERTICAL STROKE
2A0C	QUADRUPLE INTEGRAL OPERATOR	2A69	TRIPLE HORIZONTAL BAR WITH TRIPLE VERTICAL STROKE
2A0D	FINITE PART INTEGRAL	2A6A	TILDE OPERATOR WITH DOT ABOVE
2A0E	INTEGRAL WITH DOUBLE STROKE	2A6B	TILDE OPERATOR WITH RISING DOTS
2A0F	INTEGRAL AVERAGE WITH SLASH	2A6C	SIMILAR MINUS SIMILAR
2A10	CIRCULATION FUNCTION	2A6D	CONGRUENT WITH DOT ABOVE
2A11	ANTICLOCKWISE INTEGRATION	2A6E	EQUALS WITH ASTERISK
2A12	LINE INTEGRATION WITH RECTANGULAR PATH AROUND POLE	2A6F	ALMOST EQUAL TO WITH CIRCUMFLEX ACCENT
2A13	LINE INTEGRATION WITH SEMICIRCULAR PATH AROUND POLE	2A70	APPROXIMATELY EQUAL OR EQUAL TO
2A14	LINE INTEGRATION NOT INCLUDING THE POLE	2A71	EQUALS SIGN ABOVE PLUS SIGN
2A15	INTEGRAL AROUND A POINT OPERATOR	2A72	PLUS SIGN ABOVE EQUALS SIGN
2A16	QUATERNION INTEGRAL OPERATOR	2A73	EQUALS SIGN ABOVE TILDE OPERATOR
2A17	INTEGRAL WITH LEFTWARDS ARROW WITH HOOK	2A74	DOUBLE COLON EQUAL
2A18	INTEGRAL WITH TIMES SIGN	2A75	TWO CONSECUTIVE EQUALS SIGNS
2A19	INTEGRAL WITH INTERSECTION	2A76	THREE CONSECUTIVE EQUALS SIGNS
2A1A	INTEGRAL WITH UNION	2A77	EQUALS SIGN WITH TWO DOTS ABOVE AND TWO DOTS BELOW
2A1B	INTEGRAL WITH OVERBAR	2A78	EQUIVALENT WITH FOUR DOTS ABOVE
2A1C	INTEGRAL WITH UNDERBAR	2A79	LESS-THAN WITH CIRCLE INSIDE
2A1D	JOIN	2A7A	GREATER-THAN WITH CIRCLE INSIDE
2A1E	LARGE LEFT TRIANGLE OPERATOR	2A7B	LESS-THAN WITH QUESTION MARK ABOVE
2A1F	Z NOTATION SCHEMA COMPOSITION	2A7C	GREATER-THAN WITH QUESTION MARK ABOVE
2A20	Z NOTATION SCHEMA PIPING	2A7D	LESS-THAN OR SLANTED EQUAL TO
2A21	Z NOTATION SCHEMA PROJECTION	2A7E	GREATER-THAN OR SLANTED EQUAL TO
2A22	PLUS SIGN WITH SMALL CIRCLE ABOVE	2A7F	LESS-THAN OR SLANTED EQUAL TO WITH DOT INSIDE
2A23	PLUS SIGN WITH CIRCUMFLEX ACCENT ABOVE		
2A24	PLUS SIGN WITH TILDE ABOVE		
2A25	PLUS SIGN WITH DOT BELOW		
2A26	PLUS SIGN WITH TILDE BELOW		
2A27	PLUS SIGN WITH SUBSCRIPT TWO		
2A28	PLUS SIGN WITH BLACK TRIANGLE		
2A29	MINUS SIGN WITH COMMA ABOVE		
2A2A	MINUS SIGN WITH DOT BELOW		
2A2B	MINUS SIGN WITH FALLING DOTS		
2A2C	MINUS SIGN WITH RISING DOTS		
2A2D	PLUS SIGN IN LEFT HALF CIRCLE		
2A2E	PLUS SIGN IN RIGHT HALF CIRCLE		
2A2F	VECTOR OR CROSS PRODUCT		
2A30	MULTIPLICATION SIGN WITH DOT ABOVE		
2A31	MULTIPLICATION SIGN WITH UNDERBAR		
2A32	SEMDIRECT PRODUCT WITH BOTTOM CLOSED		
2A33	SMASH PRODUCT		
2A34	MULTIPLICATION SIGN IN LEFT HALF CIRCLE		
2A35	MULTIPLICATION SIGN IN RIGHT HALF CIRCLE		
2A36	CIRCLED MULTIPLICATION SIGN WITH CIRCUMFLEX ACCENT		
2A37	MULTIPLICATION SIGN IN DOUBLE CIRCLE		
2A38	CIRCLED DIVISION SIGN		
2A39	PLUS SIGN IN TRIANGLE		
2A3A	MINUS SIGN IN TRIANGLE		
2A3B	MULTIPLICATION SIGN IN TRIANGLE		
2A3C	INTERIOR PRODUCT		
2A3D	RIGHTHAND INTERIOR PRODUCT		
2A3E	Z NOTATION RELATIONAL COMPOSITION		
2A3F	AMALGAMATION OR COPRODUCT		
2A40	INTERSECTION WITH DOT		
2A41	UNION WITH MINUS SIGN		
2A42	UNION WITH OVERBAR		
2A43	INTERSECTION WITH OVERBAR		
2A44	INTERSECTION WITH LOGICAL AND		
2A45	UNION WITH LOGICAL OR		
2A46	UNION ABOVE INTERSECTION		
2A47	INTERSECTION ABOVE UNION		
2A48	UNION ABOVE BAR ABOVE INTERSECTION		
2A49	INTERSECTION ABOVE BAR ABOVE UNION		
2A4A	UNION BESIDE AND JOINED WITH UNION		
2A4B	INTERSECTION BESIDE AND JOINED WITH INTERSECTION		
2A4C	CLOSED UNION WITH SERIFS		
2A4D	CLOSED INTERSECTION WITH SERIFS		
2A4E	DOUBLE SQUARE INTERSECTION		
2A4F	DOUBLE SQUARE UNION		
2A50	CLOSED UNION WITH SERIFS AND SMASH PRODUCT		
2A51	LOGICAL AND WITH DOT ABOVE		
2A52	LOGICAL OR WITH DOT ABOVE		
2A53	DOUBLE LOGICAL AND		
2A54	DOUBLE LOGICAL OR		
2A55	TWO INTERSECTING LOGICAL AND		
2A56	TWO INTERSECTING LOGICAL OR		
2A57	SLOPING LARGE OR		
2A58	SLOPING LARGE AND		
2A59	LOGICAL OR OVERLAPPING LOGICAL AND		
2A5A	LOGICAL AND WITH MIDDLE STEM		
2A5B	LOGICAL OR WITH MIDDLE STEM		
2A5C	LOGICAL AND WITH HORIZONTAL DASH		

Group 00

Plane 00

Row 2A

Table 86 - Row 2A: Supplemental Mathematical Operators

	2A8	2A9	2AA	2AB	2AC	2AD	2AE	2AF
0	2A80	2A90	2AA0	2AB0	2AC0	2AD0	2AE0	2AF0
1	2A81	2A91	2AA1	2AB1	2AC1	2AD1	2AE1	2AF1
2	2A82	2A92	2AA2	2AB2	2AC2	2AD2	2AE2	2AF2
3	2A83	2A93	2AA3	2AB3	2AC3	2AD3	2AE3	2AF3
4	2A84	2A94	2AA4	2AB4	2AC4	2AD4	2AE4	2AF4
5	2A85	2A95	2AA5	2AB5	2AC5	2AD5	2AE5	2AF5
6	2A86	2A96	2AA6	2AB6	2AC6	2AD6	2AE6	2AF6
7	2A87	2A97	2AA7	2AB7	2AC7	2AD7	2AE7	2AF7
8	2A88	2A98	2AA8	2AB8	2AC8	2AD8	2AE8	2AF8
9	2A89	2A99	2AA9	2AB9	2AC9	2AD9	2AE9	2AF9
A	2A8A	2A9A	2AAA	2ABA	2ACA	2ADA	2AEA	2AFA
B	2A8B	2A9B	2AAB	2ABB	2ACB	2ADB	2AEB	2AFB
C	2A8C	2A9C	2AAC	2ABC	2ACC	2ADC	2AEC	2AFC
D	2A8D	2A9D	2AAD	2ABD	2ACD	2ADD	2AED	2AFD
E	2A8E	2A9E	2AAE	2ABE	2ACE	2ADE	2AEE	2AFE
F	2A8F	2A9F	2AAF	2ABF	2ACF	2ADF	2AEF	2AFF

G = 00
P = 00

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Table 86 - Row 2A: Supplemental Mathematical Operators

HEX	NAME	HEX	NAME
2A80	GREATER-THAN OR SLANTED EQUAL TO WITH DOT INSIDE	2ADD	NONFORKING (independent)
2A81	LESS-THAN OR SLANTED EQUAL TO WITH DOT ABOVE	2ADE	SHORT LEFT TACK
2A82	GREATER-THAN OR SLANTED EQUAL TO WITH DOT ABOVE	2ADF	SHORT DOWN TACK
2A83	LESS-THAN OR SLANTED EQUAL TO WITH DOT ABOVE RIGHT	2AE0	SHORT UP TACK
2A84	GREATER-THAN OR SLANTED EQUAL TO WITH DOT ABOVE LEFT	2AE1	PERPENDICULAR WITH S
2A85	LESS-THAN OR APPROXIMATE	2AE2	VERTICAL BAR TRIPLE RIGHT TURNSTILE
2A86	GREATER-THAN OR APPROXIMATE	2AE3	DOUBLE VERTICAL BAR LEFT TURNSTILE
2A87	LESS-THAN AND SINGLE-LINE NOT EQUAL TO	2AE4	VERTICAL BAR DOUBLE LEFT TURNSTILE
2A88	GREATER-THAN AND SINGLE-LINE NOT EQUAL TO	2AE5	DOUBLE VERTICAL BAR DOUBLE LEFT TURNSTILE
2A89	LESS-THAN AND NOT APPROXIMATE	2AE6	LONG DASH FROM LEFT MEMBER OF DOUBLE VERTICAL
2A8A	GREATER-THAN AND NOT APPROXIMATE	2AE7	SHORT DOWN TACK WITH OVERBAR
2A8B	LESS-THAN ABOVE DOUBLE-LINE EQUAL ABOVE GREATER-THAN	2AE8	SHORT UP TACK WITH UNDERBAR
2A8C	GREATER-THAN ABOVE DOUBLE-LINE EQUAL ABOVE LESS-THAN	2AE9	SHORT UP TACK ABOVE SHORT DOWN TACK
2A8D	LESS-THAN ABOVE SIMILAR OR EQUAL	2AEA	DOUBLE DOWN TACK
2A8E	GREATER-THAN ABOVE SIMILAR OR EQUAL	2AEB	DOUBLE UP TACK
2A8F	LESS-THAN ABOVE SIMILAR ABOVE GREATER-THAN	2AEC	DOUBLE STROKE NOT SIGN
2A90	GREATER-THAN ABOVE SIMILAR ABOVE LESS-THAN	2AED	REVERSED DOUBLE STROKE NOT SIGN
2A91	LESS-THAN ABOVE GREATER-THAN ABOVE DOUBLE-LINE EQUAL	2AEE	DOES NOT DIVIDE WITH REVERSED NEGATION SLASH
2A92	GREATER-THAN ABOVE LESS-THAN ABOVE DOUBLE-LINE EQUAL	2AEF	VERTICAL LINE WITH CIRCLE ABOVE
2A93	LESS-THAN ABOVE SLANTED EQUAL ABOVE GREATER-THAN ABOVE SLANTED EQUAL	2AF0	VERTICAL LINE WITH CIRCLE BELOW
2A94	GREATER-THAN ABOVE SLANTED EQUAL ABOVE LESS-THAN ABOVE SLANTED EQUAL	2AF1	DOWN TACK WITH CIRCLE BELOW
2A95	SLANTED EQUAL TO OR LESS-THAN	2AF2	PARALLEL WITH HORIZONTAL STROKE
2A96	SLANTED EQUAL TO OR GREATER-THAN	2AF3	PARALLEL WITH TILDE OPERATOR
2A97	SLANTED EQUAL TO OR LESS-THAN WITH DOT INSIDE	2AF4	TRIPLE VERTICAL BAR BINARY RELATION
2A98	SLANTED EQUAL TO OR GREATER-THAN WITH DOT INSIDE	2AF5	TRIPLE VERTICAL BAR WITH HORIZONTAL STROKE
2A99	DOUBLE-LINE EQUAL TO OR LESS-THAN	2AF6	TRIPLE COLON OPERATOR
2A9A	DOUBLE-LINE EQUAL TO OR GREATER-THAN	2AF7	TRIPLE NESTED LESS-THAN
2A9B	DOUBLE-LINE SLANTED EQUAL TO OR LESS-THAN	2AF8	TRIPLE NESTED GREATER-THAN
2A9C	DOUBLE-LINE SLANTED EQUAL TO OR GREATER-THAN	2AF9	DOUBLE-LINE SLANTED LESS-THAN OR EQUAL TO
2A9D	SIMILAR OR LESS-THAN	2AFA	DOUBLE-LINE SLANTED GREATER-THAN OR EQUAL TO
2A9E	SIMILAR OR GREATER-THAN	2AFB	TRIPLE SOLIDUS BINARY RELATION
2A9F	SIMILAR ABOVE LESS-THAN ABOVE EQUALS SIGN	2AFC	LARGE TRIPLE VERTICAL BAR OPERATOR
2AA0	SIMILAR ABOVE GREATER-THAN ABOVE EQUALS SIGN	2AFD	DOUBLE SOLIDUS OPERATOR
2AA1	DOUBLE NESTED LESS-THAN	2AFE	WHITE VERTICAL BAR
2AA2	DOUBLE NESTED GREATER-THAN	2AFF	BLACK WHITE VERTICAL BAR
2AA3	DOUBLE NESTED LESS-THAN WITH UNDERBAR		
2AA4	GREATER-THAN OVERLAPPING LESS-THAN		
2AA5	GREATER-THAN BESIDE LESS-THAN		
2AA6	LESS-THAN CLOSED BY CURVE		
2AA7	GREATER-THAN CLOSED BY CURVE		
2AA8	LESS-THAN CLOSED BY CURVE ABOVE SLANTED EQUAL		
2AA9	GREATER-THAN CLOSED BY CURVE ABOVE SLANTED EQUAL		
2AAA	SMALLER THAN		
2AAB	LARGER THAN		
2AAC	SMALLER THAN OR EQUAL TO		
2AAD	LARGER THAN OR EQUAL TO		
2AAE	EQUALS SIGN WITH BUMPY ABOVE		
2AAF	PRECEDES ABOVE SINGLE-LINE EQUALS SIGN		
2AB0	SUCCEEDS ABOVE SINGLE-LINE EQUALS SIGN		
2AB1	PRECEDES ABOVE SINGLE-LINE NOT EQUAL TO		
2AB2	SUCCEEDS ABOVE SINGLE-LINE NOT EQUAL TO		
2AB3	PRECEDES ABOVE EQUALS SIGN		
2AB4	SUCCEEDS ABOVE EQUALS SIGN		
2AB5	PRECEDES ABOVE NOT EQUAL TO		
2AB6	SUCCEEDS ABOVE NOT EQUAL TO		
2AB7	PRECEDES ABOVE ALMOST EQUAL TO		
2AB8	SUCCEEDS ABOVE ALMOST EQUAL TO		
2AB9	PRECEDES ABOVE NOT ALMOST EQUAL TO		
2ABA	SUCCEEDS ABOVE NOT ALMOST EQUAL TO		
2ABB	DOUBLE PRECEDES		
2ABC	DOUBLE SUCCEEDS		
2ABD	SUBSET WITH DOT		
2ABE	SUPERSET WITH DOT		
2ABF	SUBSET WITH PLUS SIGN BELOW		
2AC0	SUPERSET WITH PLUS SIGN BELOW		
2AC1	SUBSET WITH MULTIPLICATION SIGN BELOW		
2AC2	SUPERSET WITH MULTIPLICATION SIGN BELOW		
2AC3	SUBSET OF OR EQUAL TO WITH DOT ABOVE		
2AC4	SUPERSET OF OR EQUAL TO WITH DOT ABOVE		
2AC5	SUBSET OF ABOVE EQUALS SIGN		
2AC6	SUPERSET OF ABOVE EQUALS SIGN		
2AC7	SUBSET OF ABOVE TILDE OPERATOR		
2AC8	SUPERSET OF ABOVE TILDE OPERATOR		
2AC9	SUBSET OF ABOVE ALMOST EQUAL TO		
2ACA	SUPERSET OF ABOVE ALMOST EQUAL TO		
2ACB	SUBSET OF ABOVE NOT EQUAL TO		
2ACC	SUPERSET OF ABOVE NOT EQUAL TO		
2ACD	SQUARE LEFT OPEN BOX OPERATOR		
2ACE	SQUARE RIGHT OPEN BOX OPERATOR		
2ACF	CLOSED SUBSET		
2AD0	CLOSED SUPERSET		
2AD1	CLOSED SUBSET OR EQUAL TO		
2AD2	CLOSED SUPERSET OR EQUAL TO		
2AD3	SUBSET ABOVE SUPERSET		
2AD4	SUPERSET ABOVE SUBSET		
2AD5	SUBSET ABOVE SUBSET		
2AD6	SUPERSET ABOVE SUPERSET		
2AD7	SUPERSET BESIDE SUBSET		
2AD8	SUPERSET BESIDE AND JOINED BY DASH WITH SUBSET		
2AD9	ELEMENT OF OPENING DOWNWARDS		
2ADA	PITCHFORK WITH TEE TOP		
2ADB	TRANSVERSAL INTERSECTION		
2ADC	FORKING (not independent)		

Group 00

Plane 00

Row 2A

Table 91 - Row 30: CJK Symbols and Punctuation

	300	301	302	303
0	 3000	 3010	 3020	 3030
1	 3001	 3011	 3021	 3031
2	 3002	 3012	 3022	 3032
3	 3003	 3013	 3023	 3033
4	 3004	 3014	 3024	 3034
5	 3005	 3015	 3025	 3035
6	 3006	 3016	 3026	 3036
7	 3007	 3017	 3027	 3037
8	 3008	 3018	 3028	 3038
9	 3009	 3019	 3029	 3039
A	 300A	 301A	 302A	 303A
B	 300B	 301B	 302B	 303B
C	 300C	 301C	 302C	 303C
D	 300D	 301D	 302D	 303D
E	 300E	 301E	 302E	 303E
F	 300F	 301F	 302F	 303F

G = 00
P = 00

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Table 91 - Row 30: CJK Symbols and Punctuation

HEX	NAME	HEX	NAME
3000	IDEOGRAPHIC SPACE		
3001	IDEOGRAPHIC COMMA		
3002	IDEOGRAPHIC FULL STOP		
3003	DITTO MARK		
3004	JAPANESE INDUSTRIAL STANDARD SYMBOL		
3005	IDEOGRAPHIC ITERATION MARK		
3006	IDEOGRAPHIC CLOSING MARK		
3007	IDEOGRAPHIC NUMBER ZERO		
3008	LEFT ANGLE BRACKET		
3009	RIGHT ANGLE BRACKET		
300A	LEFT DOUBLE ANGLE BRACKET		
300B	RIGHT DOUBLE ANGLE BRACKET		
300C	LEFT CORNER BRACKET		
300D	RIGHT CORNER BRACKET		
300E	LEFT WHITE CORNER BRACKET		
300F	RIGHT WHITE CORNER BRACKET		
3010	LEFT BLACK LENTICULAR BRACKET		
3011	RIGHT BLACK LENTICULAR BRACKET		
3012	POSTAL MARK		
3013	GETA MARK		
3014	LEFT TORTOISE SHELL BRACKET		
3015	RIGHT TORTOISE SHELL BRACKET		
3016	LEFT WHITE LENTICULAR BRACKET		
3017	RIGHT WHITE LENTICULAR BRACKET		
3018	LEFT WHITE TORTOISE SHELL BRACKET		
3019	RIGHT WHITE TORTOISE SHELL BRACKET		
301A	LEFT WHITE SQUARE BRACKET		
301B	RIGHT WHITE SQUARE BRACKET		
301C	WAVE DASH		
301D	REVERSED DOUBLE PRIME QUOTATION MARK		
301E	DOUBLE PRIME QUOTATION MARK		
301F	LOW DOUBLE PRIME QUOTATION MARK		
3020	POSTAL MARK FACE		
3021	HANGZHOU NUMERAL ONE		
3022	HANGZHOU NUMERAL TWO		
3023	HANGZHOU NUMERAL THREE		
3024	HANGZHOU NUMERAL FOUR		
3025	HANGZHOU NUMERAL FIVE		
3026	HANGZHOU NUMERAL SIX		
3027	HANGZHOU NUMERAL SEVEN		
3028	HANGZHOU NUMERAL EIGHT		
3029	HANGZHOU NUMERAL NINE		
302A	IDEOGRAPHIC LEVEL TONE MARK		
302B	IDEOGRAPHIC RISING TONE MARK		
302C	IDEOGRAPHIC DEPARTING TONE MARK		
302D	IDEOGRAPHIC ENTERING TONE MARK		
302E	HANGUL SINGLE DOT TONE MARK		
302F	HANGUL DOUBLE DOT TONE MARK		
3030	WAVY DASH		
3031	VERTICAL KANA REPEAT MARK		
3032	VERTICAL KANA REPEAT WITH VOICED SOUND MARK		
3033	VERTICAL KANA REPEAT MARK UPPER HALF		
3034	VERTICAL KANA REPEAT WITH VOICED SOUND MARK UPPER HALF		
3035	VERTICAL KANA REPEAT MARK LOWER HALF		
3036	CIRCLED POSTAL MARK		
3037	IDEOGRAPHIC TELEGRAPH LINE FEED SEPARATOR SYMBOL		
3038	HANGZHOU NUMERAL TEN		
3039	HANGZHOU NUMERAL TWENTY		
303A	HANGZHOU NUMERAL THIRTY		
303B	VERTICAL IDEOGRAPHIC ITERATION MARK		
303C	MASU MARK		
303D	PART ALTERNATION MARK		
303E	IDEOGRAPHIC VARIATION INDICATOR		
303F	IDEOGRAPHIC HALF FILL SPACE		

Group 00

Plane 00

Row 30

Table 92 - Row 30: Hiragana

	304	305	306	307	308	309
0		ぐ 3050	だ 3060	ば 3070	む 3080	み 3090
1	あ 3041	け 3051	ち 3061	ば 3071	め 3081	ゑ 3091
2	あ 3042	げ 3052	ぢ 3062	ひ 3072	も 3082	を 3092
3	い 3043	こ 3053	っ 3063	び 3073	や 3083	ん 3093
4	い 3044	ご 3054	っ 3064	び 3074	や 3084	う 3094
5	う 3045	さ 3055	づ 3065	ふ 3075	ゆ 3085	か 3095
6	う 3046	ざ 3056	て 3066	ぶ 3076	ゆ 3086	け 3096
7	え 3047	し 3057	で 3067	ふ 3077	よ 3087	
8	え 3048	じ 3058	と 3068	へ 3078	よ 3088	
9	お 3049	す 3059	ど 3069	べ 3079	ら 3089	ゝ 3099
A	お 304A	ず 305A	な 306A	ぺ 307A	り 308A	ゞ 309A
B	か 304B	せ 305B	に 306B	ほ 307B	る 308B	ゝ 309B
C	が 304C	ぜ 305C	ぬ 306C	ぼ 307C	れ 308C	ゞ 309C
D	き 304D	そ 305D	ね 306D	ぼ 307D	ろ 308D	ゝ 309D
E	ぎ 304E	ぞ 305E	の 306E	ま 307E	わ 308E	ゞ 309E
F	く 304F	た 305F	は 306F	み 307F	わ 308F	ら 309F

G = 00
P = 00

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Table 92 - Row 30: Hiragana

HEX	NAME	HEX	NAME
3040	(This position shall not be used)	309D	HIRAGANA ITERATION MARK
3041	HIRAGANA LETTER SMALL A	309E	HIRAGANA VOICED ITERATION MARK
3042	HIRAGANA LETTER A	309F	HIRAGANA DIGRAPH YORI
3043	HIRAGANA LETTER SMALL I		
3044	HIRAGANA LETTER I		
3045	HIRAGANA LETTER SMALL U		
3046	HIRAGANA LETTER U		
3047	HIRAGANA LETTER SMALL E		
3048	HIRAGANA LETTER E		
3049	HIRAGANA LETTER SMALL O		
304A	HIRAGANA LETTER O		
304B	HIRAGANA LETTER KA		
304C	HIRAGANA LETTER GA		
304D	HIRAGANA LETTER KI		
304E	HIRAGANA LETTER GI		
304F	HIRAGANA LETTER KU		
3050	HIRAGANA LETTER GU		
3051	HIRAGANA LETTER KE		
3052	HIRAGANA LETTER GE		
3053	HIRAGANA LETTER KO		
3054	HIRAGANA LETTER GO		
3055	HIRAGANA LETTER SA		
3056	HIRAGANA LETTER ZA		
3057	HIRAGANA LETTER SI		
3058	HIRAGANA LETTER ZI		
3059	HIRAGANA LETTER SU		
305A	HIRAGANA LETTER ZU		
305B	HIRAGANA LETTER SE		
305C	HIRAGANA LETTER ZE		
305D	HIRAGANA LETTER SO		
305E	HIRAGANA LETTER ZO		
305F	HIRAGANA LETTER TA		
3060	HIRAGANA LETTER DA		
3061	HIRAGANA LETTER TI		
3062	HIRAGANA LETTER DI		
3063	HIRAGANA LETTER SMALL TU		
3064	HIRAGANA LETTER TU		
3065	HIRAGANA LETTER DU		
3066	HIRAGANA LETTER TE		
3067	HIRAGANA LETTER DE		
3068	HIRAGANA LETTER TO		
3069	HIRAGANA LETTER DO		
306A	HIRAGANA LETTER NA		
306B	HIRAGANA LETTER NI		
306C	HIRAGANA LETTER NU		
306D	HIRAGANA LETTER NE		
306E	HIRAGANA LETTER NO		
306F	HIRAGANA LETTER HA		
3070	HIRAGANA LETTER BA		
3071	HIRAGANA LETTER PA		
3072	HIRAGANA LETTER HI		
3073	HIRAGANA LETTER BI		
3074	HIRAGANA LETTER PI		
3075	HIRAGANA LETTER HU		
3076	HIRAGANA LETTER BU		
3077	HIRAGANA LETTER PU		
3078	HIRAGANA LETTER HE		
3079	HIRAGANA LETTER BE		
307A	HIRAGANA LETTER PE		
307B	HIRAGANA LETTER HO		
307C	HIRAGANA LETTER BO		
307D	HIRAGANA LETTER PO		
307E	HIRAGANA LETTER MA		
307F	HIRAGANA LETTER MI		
3080	HIRAGANA LETTER MU		
3081	HIRAGANA LETTER ME		
3082	HIRAGANA LETTER MO		
3083	HIRAGANA LETTER SMALL YA		
3084	HIRAGANA LETTER YA		
3085	HIRAGANA LETTER SMALL YU		
3086	HIRAGANA LETTER YU		
3087	HIRAGANA LETTER SMALL YO		
3088	HIRAGANA LETTER YO		
3089	HIRAGANA LETTER RA		
308A	HIRAGANA LETTER RI		
308B	HIRAGANA LETTER RU		
308C	HIRAGANA LETTER RE		
308D	HIRAGANA LETTER RO		
308E	HIRAGANA LETTER SMALL WA		
308F	HIRAGANA LETTER WA		
3090	HIRAGANA LETTER WI		
3091	HIRAGANA LETTER WE		
3092	HIRAGANA LETTER WO		
3093	HIRAGANA LETTER N		
3094	HIRAGANA LETTER VU		
3095	HIRAGANA LETTER SMALL KA		
3096	HIRAGANA LETTER SMALL KE		
3097	(This position shall not be used)		
3098	(This position shall not be used)		
3099	COMBINING KATAKANA-HIRAGANA VOICED SOUND MARK		
309A	COMBINING KATAKANA-HIRAGANA SEMI-VOICED SOUND MARK		
309B	KATAKANA-HIRAGANA VOICED SOUND MARK		
309C	KATAKANA-HIRAGANA SEMI-VOICED SOUND MARK		

Group 00

Plane 00

Row 30

Table 93 - Row 30: Katakana

	30A	30B	30C	30D	30E	30F
0	ニ 30A0	グ 30B0	ダ 30C0	バ 30D0	ム 30E0	キ 30F0
1	ア 30A1	ケ 30B1	チ 30C1	パ 30D1	メ 30E1	エ 30F1
2	ア 30A2	ゲ 30B2	ヂ 30C2	ヒ 30D2	モ 30E2	ヲ 30F2
3	イ 30A3	コ 30B3	ツ 30C3	ビ 30D3	ヤ 30E3	ン 30F3
4	イ 30A4	ゴ 30B4	ツ 30C4	ピ 30D4	ヤ 30E4	ヴ 30F4
5	ウ 30A5	サ 30B5	ヅ 30C5	フ 30D5	ユ 30E5	カ 30F5
6	ウ 30A6	ザ 30B6	テ 30C6	ブ 30D6	ユ 30E6	ケ 30F6
7	エ 30A7	シ 30B7	テ 30C7	プ 30D7	ヨ 30E7	ワ 30F7
8	エ 30A8	シ 30B8	ト 30C8	ヘ 30D8	ヨ 30E8	ギ 30F8
9	オ 30A9	ス 30B9	ド 30C9	ベ 30D9	ラ 30E9	エ 30F9
A	オ 30AA	ズ 30BA	ナ 30CA	ペ 30DA	リ 30EA	ヲ 30FA
B	カ 30AB	セ 30BB	ニ 30CB	ホ 30DB	ル 30EB	・ 30FB
C	ガ 30AC	ゼ 30BC	ヌ 30CC	ボ 30DC	レ 30EC	ー 30FC
D	キ 30AD	ソ 30BD	ネ 30CD	ポ 30DD	ロ 30ED	ヽ 30FD
E	ギ 30AE	ゾ 30BE	ノ 30CE	マ 30DE	ワ 30EE	ヾ 30FE
F	ク 30AF	タ 30BF	ハ 30CF	ミ 30DF	ワ 30EF	ㇿ 30FF

G = 00
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Table 93 - Row 30: Katakana

HEX	NAME	HEX	NAME
30A0	KATAKANA-HIRAGANA DOUBLE HYPHEN	30FD	KATAKANA ITERATION MARK
30A1	KATAKANA LETTER SMALL A	30FE	KATAKANA VOICED ITERATION MARK
30A2	KATAKANA LETTER A	30FF	KATAKANA DIGRAPH KOTO
30A3	KATAKANA LETTER SMALL I		
30A4	KATAKANA LETTER I		
30A5	KATAKANA LETTER SMALL U		
30A6	KATAKANA LETTER U		
30A7	KATAKANA LETTER SMALL E		
30A8	KATAKANA LETTER E		
30A9	KATAKANA LETTER SMALL O		
30AA	KATAKANA LETTER O		
30AB	KATAKANA LETTER KA		
30AC	KATAKANA LETTER GA		
30AD	KATAKANA LETTER KI		
30AE	KATAKANA LETTER GI		
30AF	KATAKANA LETTER KU		
30B0	KATAKANA LETTER GU		
30B1	KATAKANA LETTER KE		
30B2	KATAKANA LETTER GE		
30B3	KATAKANA LETTER KO		
30B4	KATAKANA LETTER GO		
30B5	KATAKANA LETTER SA		
30B6	KATAKANA LETTER ZA		
30B7	KATAKANA LETTER SI		
30B8	KATAKANA LETTER ZI		
30B9	KATAKANA LETTER SU		
30BA	KATAKANA LETTER ZU		
30BB	KATAKANA LETTER SE		
30BC	KATAKANA LETTER ZE		
30BD	KATAKANA LETTER SO		
30BE	KATAKANA LETTER ZO		
30BF	KATAKANA LETTER TA		
30C0	KATAKANA LETTER DA		
30C1	KATAKANA LETTER TI		
30C2	KATAKANA LETTER DI		
30C3	KATAKANA LETTER SMALL TU		
30C4	KATAKANA LETTER TU		
30C5	KATAKANA LETTER DU		
30C6	KATAKANA LETTER TE		
30C7	KATAKANA LETTER DE		
30C8	KATAKANA LETTER TO		
30C9	KATAKANA LETTER DO		
30CA	KATAKANA LETTER NA		
30CB	KATAKANA LETTER NI		
30CC	KATAKANA LETTER NU		
30CD	KATAKANA LETTER NE		
30CE	KATAKANA LETTER NO		
30CF	KATAKANA LETTER HA		
30D0	KATAKANA LETTER BA		
30D1	KATAKANA LETTER PA		
30D2	KATAKANA LETTER HI		
30D3	KATAKANA LETTER BI		
30D4	KATAKANA LETTER PI		
30D5	KATAKANA LETTER HU		
30D6	KATAKANA LETTER BU		
30D7	KATAKANA LETTER PU		
30D8	KATAKANA LETTER HE		
30D9	KATAKANA LETTER BE		
30DA	KATAKANA LETTER PE		
30DB	KATAKANA LETTER HO		
30DC	KATAKANA LETTER BO		
30DD	KATAKANA LETTER PO		
30DE	KATAKANA LETTER MA		
30DF	KATAKANA LETTER MI		
30E0	KATAKANA LETTER MU		
30E1	KATAKANA LETTER ME		
30E2	KATAKANA LETTER MO		
30E3	KATAKANA LETTER SMALL YA		
30E4	KATAKANA LETTER YA		
30E5	KATAKANA LETTER SMALL YU		
30E6	KATAKANA LETTER YU		
30E7	KATAKANA LETTER SMALL YO		
30E8	KATAKANA LETTER YO		
30E9	KATAKANA LETTER RA		
30EA	KATAKANA LETTER RI		
30EB	KATAKANA LETTER RU		
30EC	KATAKANA LETTER RE		
30ED	KATAKANA LETTER RO		
30EE	KATAKANA LETTER SMALL WA		
30EF	KATAKANA LETTER WA		
30F0	KATAKANA LETTER WI		
30F1	KATAKANA LETTER WE		
30F2	KATAKANA LETTER WO		
30F3	KATAKANA LETTER N		
30F4	KATAKANA LETTER VU		
30F5	KATAKANA LETTER SMALL KA		
30F6	KATAKANA LETTER SMALL KE		
30F7	KATAKANA LETTER VA		
30F8	KATAKANA LETTER VI		
30F9	KATAKANA LETTER VE		
30FA	KATAKANA LETTER VO		
30FB	KATAKANA MIDDLE DOT		
30FC	KATAKANA-HIRAGANA PROLONGED SOUND MARK		

Group 00

Plane 00

Row 30

Table 98 - Row 31: Katakana Phonetic Extensions

31F	
0	ク 31F0
1	シ 31F1
2	ス 31F2
3	ト 31F3
4	ヌ 31F4
5	ハ 31F5
6	ヒ 31F6
7	フ 31F7
8	ヘ 31F8
9	ホ 31F9
A	ム 31FA
B	ラ 31FB
C	リ 31FC
D	ル 31FD
E	レ 31FE
F	ロ 31FF

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