



# HiFontTool User Guide

**Issue**      **00B03**

**Date**        **2019-01-30**

**Copyright © HiSilicon (Shanghai) Technologies Co., Ltd. 2019. All rights reserved.**

No part of this document may be reproduced or transmitted in any form or by any means without prior written consent of HiSilicon (Shanghai) Technologies Co., Ltd.

## **Trademarks and Permissions**



**HISILICON**, and other HiSilicon icons are trademarks of HiSilicon Technologies Co., Ltd.

All other trademarks and trade names mentioned in this document are the property of their respective holders.

## **Notice**

The purchased products, services and features are stipulated by the contract made between HiSilicon and the customer. All or part of the products, services and features described in this document may not be within the purchase scope or the usage scope. Unless otherwise specified in the contract, all statements, information, and recommendations in this document are provided "AS IS" without warranties, guarantees or representations of any kind, either express or implied.

The information in this document is subject to change without notice. Every effort has been made in the preparation of this document to ensure accuracy of the contents, but all statements, information, and recommendations in this document do not constitute a warranty of any kind, express or implied.

## **HiSilicon (Shanghai) Technologies Co., Ltd.**

Address: New R&D Center, 49 Wuhe Road, Bantian,  
Longgang District,  
Shenzhen 518129 P. R. China

Website: <http://www.hisilicon.com/en/>

Email: [support@hisilicon.com](mailto:support@hisilicon.com)



## About This Document

### Related Version

The following table lists the product version related to this document.

Product Name	Version
Hi3559	V100
Hi3556	V100
Hi3559A	V100
Hi3559C	V100
Hi3556A	V100
Hi3519A	V100
Hi3518E	V300



### Intended Audience

This document is intended for:




- Technical support engineers
- Software development engineers

### Symbol Conventions

The symbols that may be found in this document are defined as follows.

Symbol	Description
	Indicates an imminently hazardous situation which, if not avoided, will result in death or serious injury.
	Indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.



Symbol	Description
	Indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury.
	Indicates a potentially hazardous situation which, if not avoided, could result in equipment damage, data loss, performance deterioration, or unanticipated results. NOTICE is used to address practices not related to personal injury.
	Calls attention to important information, best practices and tips. NOTE is used to address information not related to personal injury, equipment damage, and environment deterioration.

## Change History

Changes between document issues are cumulative. Therefore, the latest document issue contains all changes made in previous issues.

### Issue 00B03 (2019-01-30)

This issue is the third draft release, which incorporates the following changes:

The Hi3519A V100 and Hi3518E V300 chips are added.

### Issue 00B02 (2017-02-25)

This issue is the second draft release, which incorporates the following changes:

The description of the Hi3556 V100 is added.

### Issue 00B01 (2016-07-30)

This issue is the first draft release.



---

# Contents

---

<b>About This Document.....</b>	<b>i</b>
<b>1 HiFontTool Introduction .....</b>	<b>1</b>
<b>2 HiFontTool Layout.....</b>	<b>2</b>
2.1 Upper Part.....	2
2.2 Middle Part .....	2
2.3 Lower Part .....	2
<b>3 HiFontTool Tailoring Functions .....</b>	<b>4</b>
<b>4 HiFontTool Operation Guide .....</b>	<b>5</b>
4.1 Selecting Source Font, Adjusting Size, and Previewing the Font.....	5
4.2 Selecting Target Code Points and Generating Tailored Font .....	5
4.2.1 Selecting Code Points in the UnicodeBlock View .....	5
4.2.2 Selecting Code Points in the CodePage View.....	8
4.2.3 Entering Code Points to Generate Tailored Font in the Dialog Box Displayed After PasteEdit Is Clicked.....	8
4.2.4 Importing a UBF File and a Font to Be Tailored .....	9



---

## Figures

---

<b>Figure 2-1</b> Main interface of the HiFontTool .....	3
<b>Figure 4-1</b> Screenshot of the block browsing area and block tailoring area.....	6
<b>Figure 4-2</b> Screenshot of the block browsing area and block tailoring area.....	7
<b>Figure 4-3</b> Screenshot of the block browsing area and block tailoring area.....	7
<b>Figure 4-4</b> Screenshot of the block browsing area and block tailoring area.....	8
<b>Figure 4-5</b> PasteEdit button .....	8
<b>Figure 4-6</b> Dialog box displayed after the PasteEdit button is clicked.....	9
<b>Figure 4-7</b> ImportGenerate button.....	9
<b>Figure 4-8</b> Import UBF File dialog box.....	10



# 1 HiFontTool Introduction

---

The HiFontTool is a professional font tailoring tool designed to tailor the true type font (TTF) file into a user-defined simplified font file.



# 2 HiFontTool Layout

---

The main interface of the HiFontTool is divided into three parts: the upper part, the middle part, and the lower part.

## 2.1 Upper Part

As shown in [Figure 2-1](#), the upper part of the HiFontTool interface is named as the Preview area. This area is used to coordinate the implementation of the preview function. The main function of this area is to display sample fonts.

## 2.2 Middle Part

As shown in [Figure 2-1](#), the middle part is the area located between the Preview area and the Generate area. The main function of the middle part is to assist you in selecting system font or external font, and also to select a font size. Functions of this part are as follows:

- Provides the **Source Font** drop-down list box for you to select a font name or a file path.
- Provides the **Browse** button for you to select a source font file.
- Provides the **Font Size** drop-down combo box for you to decide a font size.

## 2.3 Lower Part

As shown in [Figure 2-1](#), the lower part of the HiFontTool interface is the whole area below the Generate in the upper left corner of the third part. This area is as a whole **named as the Generate area**, where the main font tailoring operations are completed.

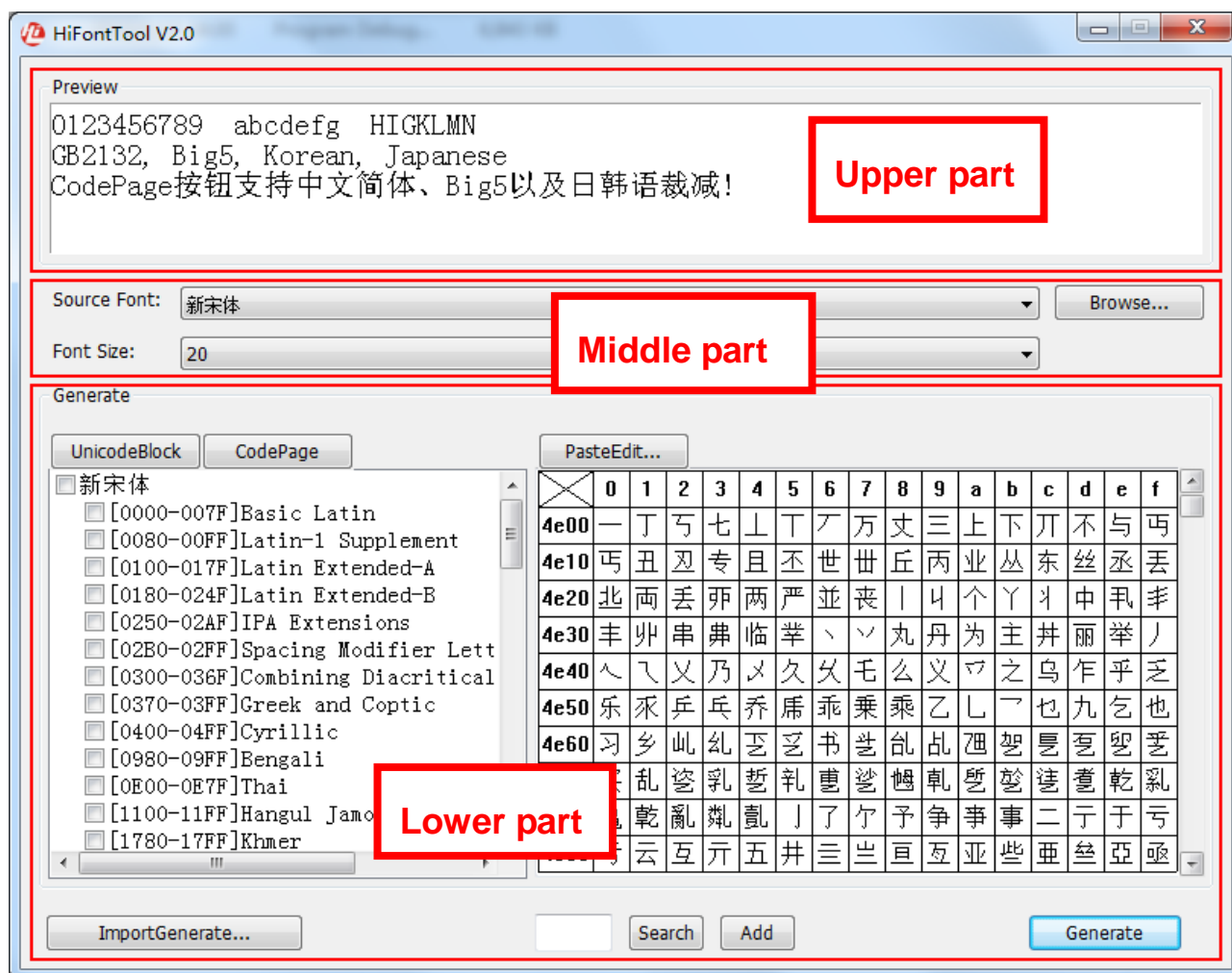
The lower part includes three areas:

- Area to switch the tailoring and generating methods
- **Block browsing and tailoring areas**
- Area to implement searching, adding and generating function in the lowest row





Figure 2-1 Main interface of the HiFontTool





# 3 HiFontTool Tailoring Functions

---

The HiFontTool currently provides the following three tailoring methods:

- UnicodeBlock tailoring method
  - This method can be selected by clicking the **UnicodeBlock** button in the Generate area.
  - The Unicode block defined in the true type source font for selection is listed in the block browsing area, and all code points of the current block are displayed synchronously in the block tailoring area. You can select the Unicode block to be tailored and a section in the block to be tailored.
- CodePage tailoring method
  - This method can be selected by clicking the **CodePage** button in the Generate area.
  - The multi-language code page supported by Windows and defined in the true type source font available for selection is listed in the block browsing area. Currently, only simplified Chinese, traditional Chinese, Japanese, and Korean are supported. All code points of the current code page are displayed synchronously in the block tailoring area, and are used to select the Unicode block to be tailored and the section in the block to be tailored.
- PasteEdit tailoring method
  - This method can be selected by clicking the **PasteEdit** button in the Generate area.
  - This method is different from the preceding two methods. One dialog box is displayed for you to paste or enter the source characters in the edit box of the interface. The effect of clicking the **OK** button is the same as that of clicking the **Generate** button on the main interface.



# 4 HiFontTool Operation Guide

---

## 4.1 Selecting Source Font, Adjusting Size, and Previewing the Font

Click the **Source Font** drop-down list box to select a system font name, or click the **Browse** button after the drop-down list box to select an external font file. Then the Preview area on the upper interface displays corresponding effect.

If the font size is improper, you can select a satisfactory font size from the **Font Size** drop-down combo box in the middle part, as shown in [Figure 2-1](#).

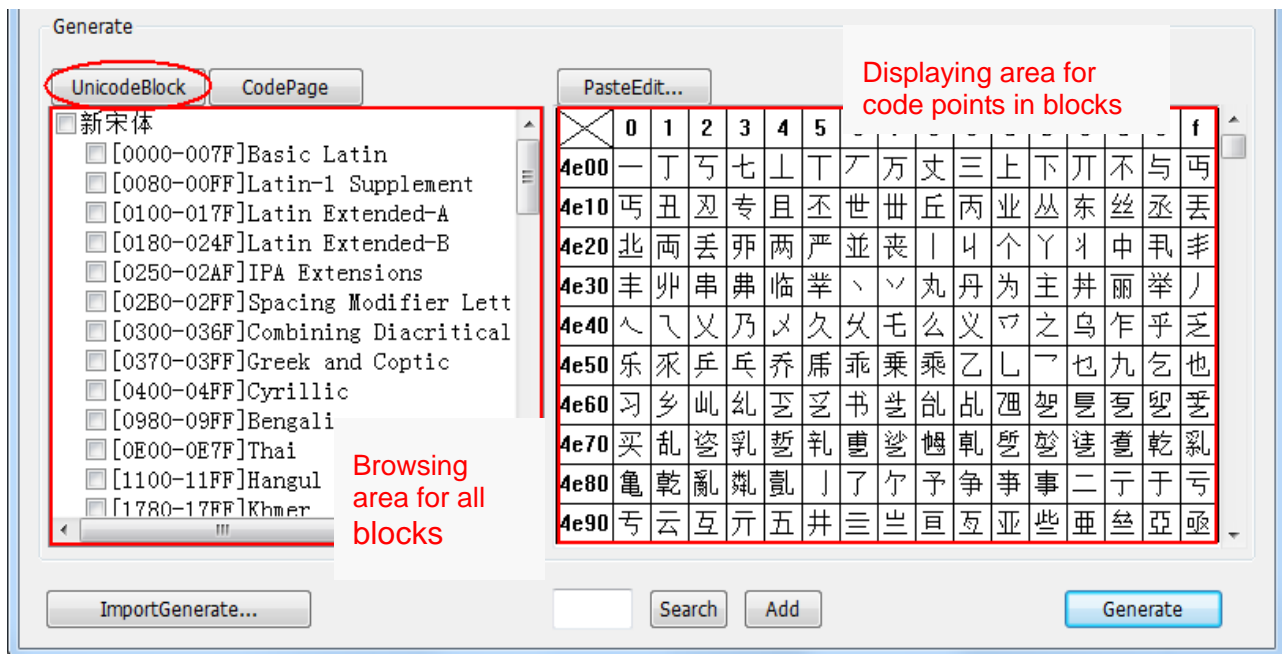
## 4.2 Selecting Target Code Points and Generating Tailored Font

Select a source font, adjust the font size, and preview the font. When the source font and font size are satisfying, **select code points** in the Generate area.

### 4.2.1 Selecting Code Points in the UnicodeBlock View

UnicodeBlock tailoring method is the default method if the tool is started for the first time. Otherwise, you need to click the **UnicodeBlock** button to switch the tailoring method to the UnicodeBlock method, as shown in [Figure 4-1](#).

**Figure 4-1** Screenshot of the block browsing area and block tailoring area



Left: browsing area for all blocks

Right: displaying for code points in blocks

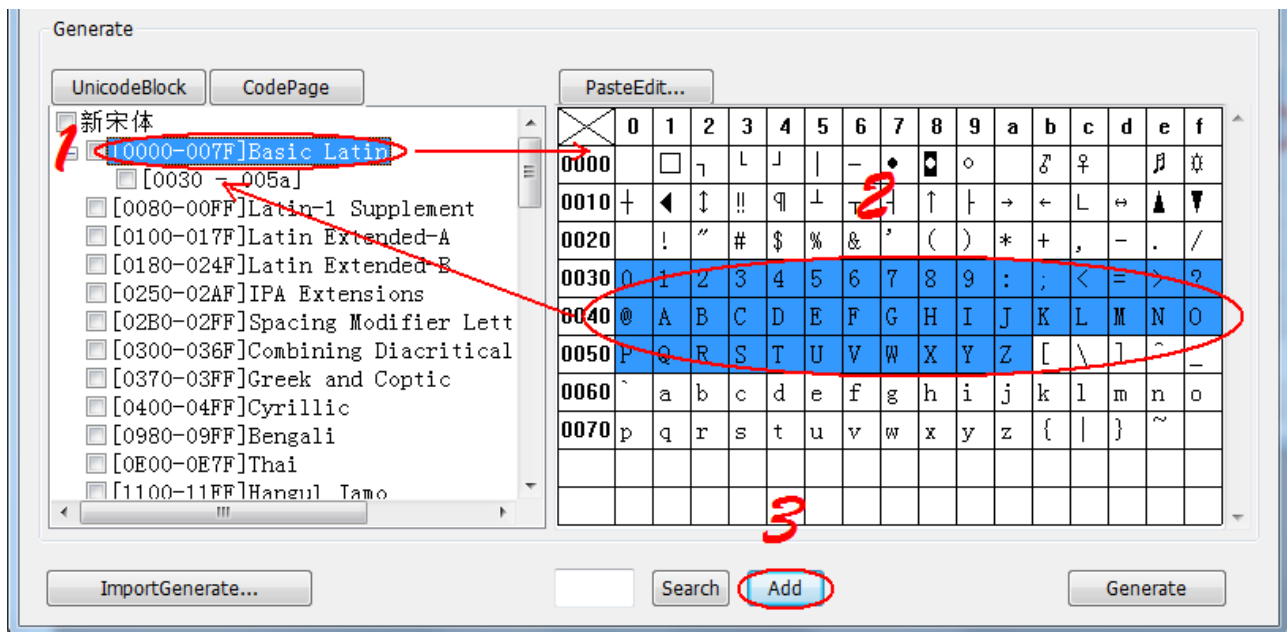
In the UnicodeBlock view, select code points. Perform the following steps:

- Step 1** Select the target Unicode block in the **browsing area for all blocks**, as shown in [Figure 4-2](#). Select **Basic Latin** block (highlighted). The **displaying area for code points in blocks** displays all code points in the selected block synchronously.
- Step 2** Select the target code point in **the displaying area for code points in blocks**. Click to select a code point or select two code points at the two ends to form one section of continuous code points where dragging and searching functions can be implemented.
- Step 3** Click the **Add** button, and you can add a section of continuous code points. The added section is the sub-block of the Unicode block in **the browsing area for all blocks**.

## NOTICE

Operations in step 1, step 2, and step 3 can be repeated to complete the selection of the target code points in multiple blocks.

**Figure 4-2** Screenshot of the block browsing area and block tailoring area

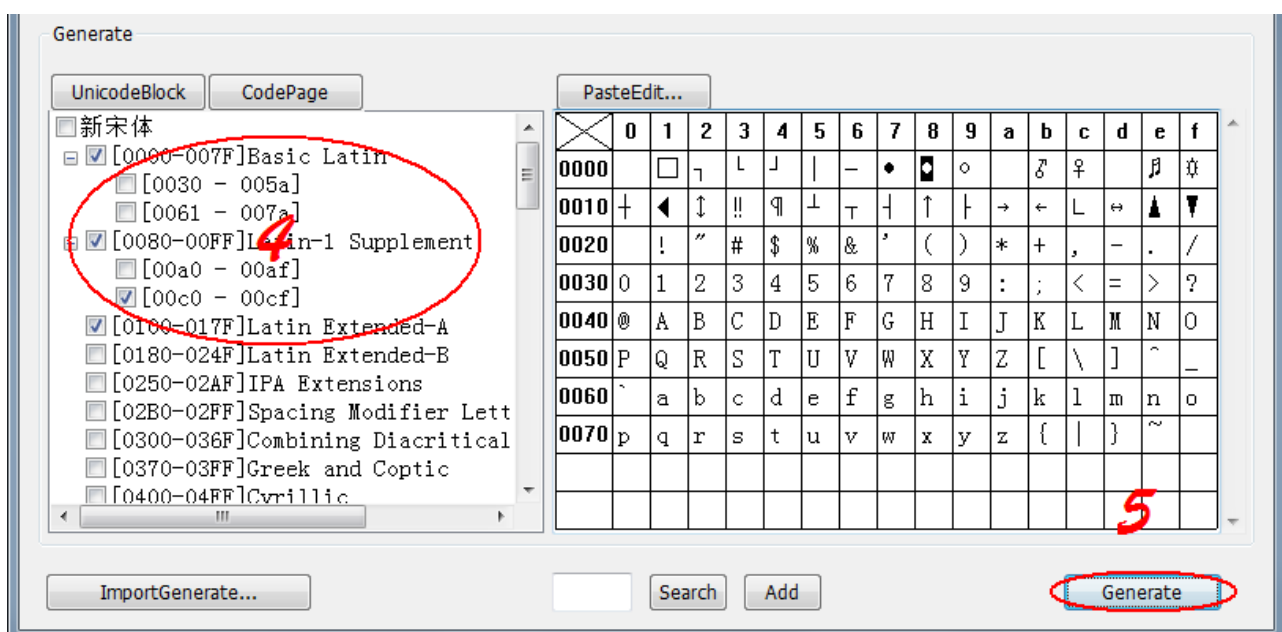


**Step 4** As shown in Figure 4-3, after the code point selection is completed, select the target Unicode block in the browsing area for all blocks.

- For blocks with sub-blocks, the selected sub-block will be generated. If you do not need sub-blocks, deselect sub-blocks, or right-click the sub-block and click the **Delete** to remove it.
- If no sub-block is listed under the block, or no sub-block is selected, the entire selected block will be generated.

**Step 5** Click the **Generate** button. The generating operation is completed.

**Figure 4-3** Screenshot of the block browsing area and block tailoring area



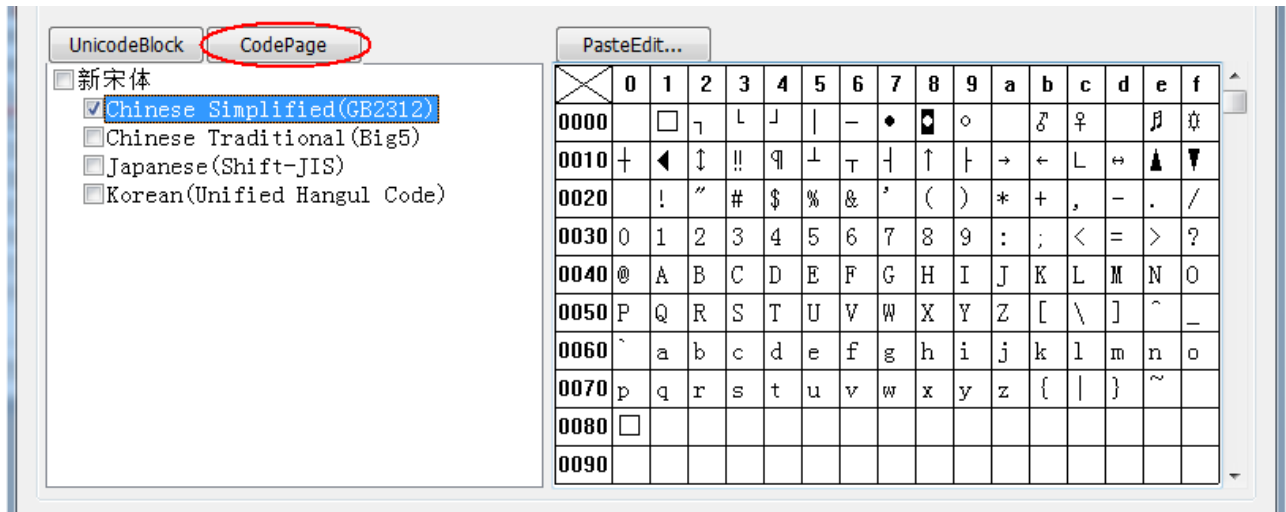
----End

## 4.2.2 Selecting Code Points in the CodePage View

The selecting operations of the CodePage tailoring method are similar to those of the UnicodeBlock tailoring method.

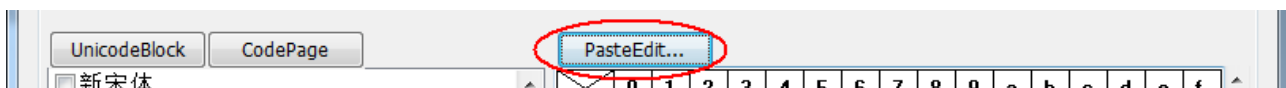
First of all, click the **CodePage** button to switch the tailoring method to the CodePage tailoring method, as shown in Figure 4-4. Select the code page of the required language in the browsing area for all code pages. Currently, only Chinese, Japanese, and Korean are supported. One language corresponds to one code page, and only one code page can be selected at a time. That is, only one code page and one language can be generated each time the CodePage tailoring method is used. By contrast, you can select multiple blocks each time, and multiple blocks and languages can be generated using the UnicodeBlock tailoring method.

**Figure 4-4** Screenshot of the block browsing area and block tailoring area



## 4.2.3 Entering Code Points to Generate Tailored Font in the Dialog Box Displayed After PasteEdit Is Clicked

**Figure 4-5** PasteEdit button



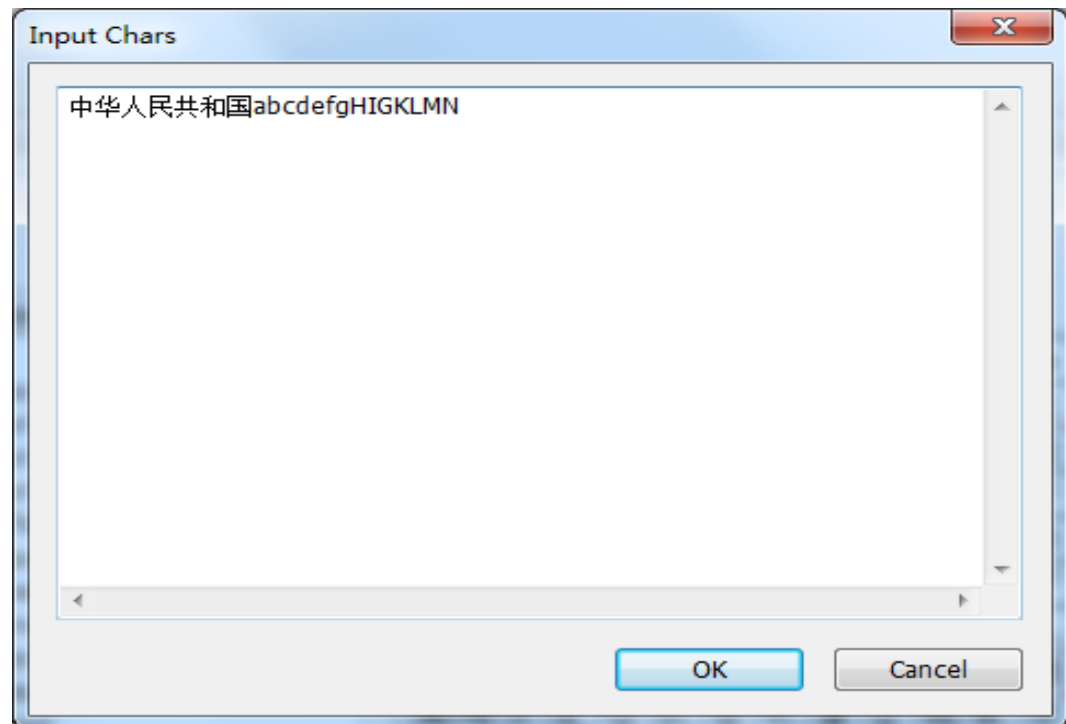
If you need to use the PasteEdit tailoring method, click the **PasteEdit** button. Then the **Input Chars** dialog box is displayed, as shown in Figure 4-6. Paste or directly enter the source font in the dialog box, click the **OK** button, and wait for a while. If no error occurs, the required font is generated successfully.

## NOTICE

### Note the following when you use the PasteEdit tailoring method:

Try to ensure that the font of source character to be pasted is consistent with the font selected to be tailored. Otherwise, the current font will filter the pasted characters during generation. It is most likely that pasted characters are filtered out if their font does not exist in the **Source Font** drop-down list. As a result, no valid characters can be found.

**Figure 4-6** Dialog box displayed after the PasteEdit button is clicked

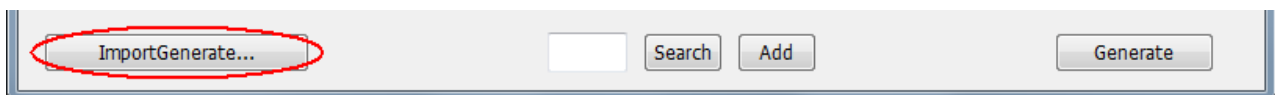


## 4.2.4 Importing a UBF File and a Font to Be Tailored

By using the dialog box displayed when clicking the **ImportGenerate** button, you can import a UBF file and a font to be tailored.

- Click the **ImportGenerate** button, as shown in [Figure 4-7](#). Then the **Import UBF File** dialog box is displayed, as shown in [Figure 4-8](#).

**Figure 4-7** ImportGenerate button

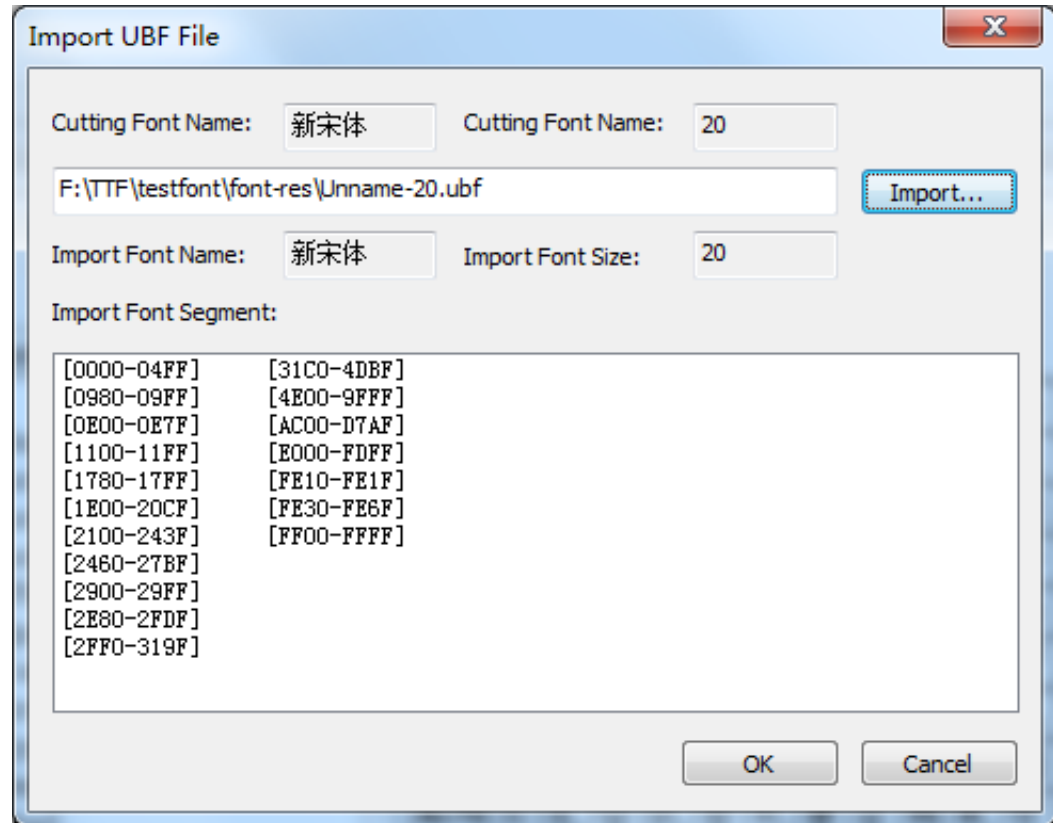


- In the displayed dialog box, click the **Import** button to import an existing UBF file. Then the font name, size, and code points in the file will be displayed by segment on the foreground list. If you are sure to use this file after you have previewed it, click the **OK**



button. Then the file is combined with the selected code points on the main interface and the generation process is completed.

**Figure 4-8** Import UBF File dialog box



## NOTICE

The CodePage tailoring method is intuitive for tailoring the fonts in multiple languages. However, the HiFontTool currently supports only several languages such as Chinese, Japanese, and Korean, and code pages in only one language can be generated at a time. Therefore, the UnicodeBlock tailoring method is more flexible. Whatever language you want to tailor in the UnicodeBlock, you need to know the script name corresponding to each language, obtain the code point range based on the script name, and then select the code points in the UnicodeBlock view to generate a new font file.

### 4.2.4.2 Mapping of Script Names and Code Point Range of Some Languages

0000..001F	; Common # Cc	[32] <control-0000>..<<control-001F>
0020	; Common # Zs	SPACE
0021..0023	; Common # Po	[3] EXCLAMATION MARK..NUMBER SIGN
0024	; Common # Sc	DOLLAR SIGN
0025..0027	; Common # Po	[3] PERCENT SIGN..APOSTROPHE
0028	; Common # Ps	LEFT PARENTHESIS





0029	; Common # Pe	RIGHT PARENTHESIS
002A	; Common # Po	ASTERISK
002B	; Common # Sm	PLUS SIGN
002C	; Common # Po	COMMA
002D	; Common # Pd	HYPHEN-MINUS
002E..002F	; Common # Po [2]	FULL STOP..SOLIDUS
0030..0039	; Common # Nd [10]	DIGIT ZERO..DIGIT NINE
003A..003B	; Common # Po [2]	COLON..SEMICOLON
003C..003E	; Common # Sm [3]	LESS-THAN SIGN..GREATER-THAN SIGN
003F..0040	; Common # Po [2]	QUESTION MARK..COMMERCIAL AT
005B	; Common # Ps	LEFT SQUARE BRACKET
005C	; Common # Po	REVERSE SOLIDUS
005D	; Common # Pe	RIGHT SQUARE BRACKET
005E	; Common # Sk	CIRCUMFLEX ACCENT
005F	; Common # Pc	LOW LINE
0060	; Common # Sk	GRAVE ACCENT
007B	; Common # Ps	LEFT CURLY BRACKET
007C	; Common # Sm	VERTICAL LINE
007D	; Common # Pe	RIGHT CURLY BRACKET
007E	; Common # Sm	TILDE
007F..009F	; Common # Cc [33]	<control-007F>..<>control-009F>
00A0	; Common # Zs	NO-BREAK SPACE
00A1	; Common # Po	INVERTED EXCLAMATION MARK
00A2..00A5	; Common # Sc [4]	CENT SIGN..YEN SIGN
00A6	; Common # So	BROKEN BAR
00A7	; Common # Po	SECTION SIGN
00A8	; Common # Sk	DIAERESIS
00A9	; Common # So	COPYRIGHT SIGN
00AB	; Common # Pi	LEFT-POINTING DOUBLE ANGLE QUOTATION MARK
00AC	; Common # Sm	NOT SIGN
00AD	; Common # Cf	SOFT HYPHEN
00AE	; Common # So	REGISTERED SIGN
00AF	; Common # Sk	MACRON
00B0	; Common # So	DEGREE SIGN



00B1	; Common # Sm	PLUS-MINUS SIGN
00B2. . 00B3	; Common # No	[2] SUPERSCRIPT TWO. . SUPERSCRIPT THREE
00B4	; Common # Sk	ACUTE ACCENT
00B5	; Common # L&	MICRO SIGN
00B6. . 00B7	; Common # Po	[2] PILCROW SIGN. . MIDDLE DOT
00B8	; Common # Sk	CEDILLA
00B9	; Common # No	SUPERSCRIPT ONE
00BB	; Common # Pf	RIGHT-POINTING DOUBLE ANGLE QUOTATION MARK
00BC. . 00BE QUARTERS	; Common # No	[3] VULGAR FRACTION ONE QUARTER. . VULGAR FRACTION THREE QUARTERS
00BF	; Common # Po	INVERTED QUESTION MARK
00D7	; Common # Sm	MULTIPLICATION SIGN
00F7	; Common # Sm	DIVISION SIGN
02B9. . 02C1 GLOTTAL STOP	; Common # Lm	[9] MODIFIER LETTER PRIME. . MODIFIER LETTER REVERSED
02C2. . 02C5 ARROWHEAD	; Common # Sk	[4] MODIFIER LETTER LEFT ARROWHEAD. . MODIFIER LETTER DOWN ARROWHEAD
02C6. . 02D1	; Common # Lm	[12] MODIFIER LETTER CIRCUMFLEX ACCENT. . MODIFIER LETTER HALF TRIANGULAR COLON
02D2. . 02DF LETTER CROSS ACCENT	; Common # Sk	[14] MODIFIER LETTER CENTRED RIGHT HALF RING. . MODIFIER LETTER CROSS ACCENT
02E5. . 02E9 EXTRA-LOW TONE BAR	; Common # Sk	[5] MODIFIER LETTER EXTRA-HIGH TONE BAR. . MODIFIER LETTER EXTRA-LOW TONE BAR
02EC	; Common # Lm	MODIFIER LETTER VOICING
02ED	; Common # Sk	MODIFIER LETTER UNASPIRATED
02EE	; Common # Lm	MODIFIER LETTER DOUBLE APOSTROPHE
02EF. . 02FF LOW LEFT ARROW	; Common # Sk	[17] MODIFIER LETTER LOW DOWN ARROWHEAD. . MODIFIER LETTER LOW LEFT ARROW
0374	; Common # Lm	GREEK NUMERAL SIGN
037E	; Common # Po	GREEK QUESTION MARK
0385	; Common # Sk	GREEK DIALYTIKA TONOS
0387	; Common # Po	GREEK ANO TELEIA
0589	; Common # Po	ARMENIAN FULL STOP
060C	; Common # Po	ARABIC COMMA
061B	; Common # Po	ARABIC SEMICOLON
061F	; Common # Po	ARABIC QUESTION MARK
0640	; Common # Lm	ARABIC TATWEEL



0660..0669	; Common # Nd	[10]	ARABIC-INDIC DIGIT ZERO..ARABIC-INDIC DIGIT NINE
06DD	; Common # Cf		ARABIC END OF AYAH
0964..0965	; Common # Po	[2]	DEVANAGARI DANDA..DEVANAGARI DOUBLE DANDA
0E3F	; Common # Sc		THAI CURRENCY SYMBOL BAHT
0FD5..0FD8	; Common # So	[4]	RIGHT-FACING SVASTI SIGN..LEFT-FACING SVASTI SIGN WITH DOTS
10FB	; Common # Po		GEORGIAN PARAGRAPH SEPARATOR
16EB..16ED	; Common # Po	[3]	RUNIC SINGLE PUNCTUATION..RUNIC CROSS PUNCTUATION
1735..1736	; Common # Po	[2]	PHILIPPINE SINGLE PUNCTUATION..PHILIPPINE DOUBLE PUNCTUATION
1802..1803	; Common # Po	[2]	MONGOLIAN COMMA..MONGOLIAN FULL STOP
1805	; Common # Po		MONGOLIAN FOUR DOTS
1CD3	; Common # Po		VEDIC SIGN NIHSHVASA
1CE1	; Common # Mc		VEDIC TONE ATHARVAVEDIC INDEPENDENT SVARITA
1CE9..1CEC	; Common # Lo	[4]	VEDIC SIGN ANUSVARA ANTARGOMUKHA..VEDIC SIGN ANUSVARA VAMAGOMUKHA WITH TAIL
1CEE..1CF1	; Common # Lo	[4]	VEDIC SIGN HEXIFORM LONG ANUSVARA..VEDIC SIGN ANUSVARA UBHAYATO MUKHA
1CF2..1CF3	; Common # Mc	[2]	VEDIC SIGN ARDHAVISARGA..VEDIC SIGN ROTATED ARDHAVISARGA
1CF5..1CF6	; Common # Lo	[2]	VEDIC SIGN JIHVAMULIYA..VEDIC SIGN UPADHMANIYA
2000..200A	; Common # Zs	[11]	EN QUAD..HAIR SPACE
200B	; Common # Cf		ZERO WIDTH SPACE
200E..200F	; Common # Cf	[2]	LEFT-TO-RIGHT MARK..RIGHT-TO-LEFT MARK
2010..2015	; Common # Pd	[6]	HYPHEN..HORIZONTAL BAR
2016..2017	; Common # Po	[2]	DOUBLE VERTICAL LINE..DOUBLE LOW LINE
2018	; Common # Pi		LEFT SINGLE QUOTATION MARK
2019	; Common # Pf		RIGHT SINGLE QUOTATION MARK
201A	; Common # Ps		SINGLE LOW-9 QUOTATION MARK
201B..201C	; Common # Pi	[2]	SINGLE HIGH-REVERSED-9 QUOTATION MARK..LEFT DOUBLE QUOTATION MARK
201D	; Common # Pf		RIGHT DOUBLE QUOTATION MARK
201E	; Common # Ps		DOUBLE LOW-9 QUOTATION MARK
201F	; Common # Pi		DOUBLE HIGH-REVERSED-9 QUOTATION MARK
2020..2027	; Common # Po	[8]	DAGGER..HYPHENATION POINT
2028	; Common # Zl		LINE SEPARATOR



2029	; Common # Zp	PARAGRAPH SEPARATOR
202A..202E	; Common # Cf	[5] LEFT-TO-RIGHT EMBEDDING..RIGHT-TO-LEFT OVERRIDE
202F	; Common # Zs	NARROW NO-BREAK SPACE
2030..2038	; Common # Po	[9] PER MILLE SIGN..CARET
2039	; Common # Pi	SINGLE LEFT-POINTING ANGLE QUOTATION MARK
203A	; Common # Pf	SINGLE RIGHT-POINTING ANGLE QUOTATION MARK
203B..203E	; Common # Po	[4] REFERENCE MARK..OVERLINE
203F..2040	; Common # Pc	[2] UNDERTIE..CHARACTER TIE
2041..2043	; Common # Po	[3] CARET INSERTION POINT..HYPHEN BULLET
2044	; Common # Sm	FRACTION SLASH
2045	; Common # Ps	LEFT SQUARE BRACKET WITH QUILL
2046	; Common # Pe	RIGHT SQUARE BRACKET WITH QUILL
2047..2051	; Common # Po	[11] DOUBLE QUESTION MARK..TWO ASTERISKS ALIGNED VERTICALLY
2052	; Common # Sm	COMMERCIAL MINUS SIGN
2053	; Common # Po	SWUNG DASH
2054	; Common # Pc	INVERTED UNDERTIE
2055..205E	; Common # Po	[10] FLOWER PUNCTUATION MARK..VERTICAL FOUR DOTS
205F	; Common # Zs	MEDIUM MATHEMATICAL SPACE
2060..2064	; Common # Cf	[5] WORD JOINER..INVISIBLE PLUS
206A..206F	; Common # Cf	[6] INHIBIT SYMMETRIC SWAPPING..NOMINAL DIGIT SHAPES
2070	; Common # No	SUPERScript ZERO
2074..2079	; Common # No	[6] SUPERScript FOUR..SUPERScript NINE
207A..207C	; Common # Sm	[3] SUPERScript PLUS SIGN..SUPERScript EQUALS SIGN
207D	; Common # Ps	SUPERScript LEFT PARENTHESIS
207E	; Common # Pe	SUPERScript RIGHT PARENTHESIS
2080..2089	; Common # No	[10] SUBSCRIPT ZERO..SUBSCRIPT NINE
208A..208C	; Common # Sm	[3] SUBSCRIPT PLUS SIGN..SUBSCRIPT EQUALS SIGN
208D	; Common # Ps	SUBSCRIPT LEFT PARENTHESIS
208E	; Common # Pe	SUBSCRIPT RIGHT PARENTHESIS
20A0..20BA	; Common # Sc	[27] EURO-CURRENCY SIGN..TURKISH LIRA SIGN
2100..2101	; Common # So	[2] ACCOUNT OF..ADDRESSED TO THE SUBJECT
2102	; Common # L&	DOUBLE-STRUCK CAPITAL C
2103..2106	; Common # So	[4] DEGREE CELSIUS..CADA UNA
2107	; Common # L&	EULER CONSTANT



2108..2109	; Common # So	[2] SCRUPLE..DEGREE FAHRENHEIT
210A..2113	; Common # L&	[10] SCRIPT SMALL G..SCRIPT SMALL L
2114	; Common # So	L B BAR SYMBOL
2115	; Common # L&	DOUBLE-STRUCK CAPITAL N
2116..2117	; Common # So	[2] NUMERO SIGN..SOUND RECORDING COPYRIGHT
2118	; Common # Sm	SCRIPT CAPITAL P
2119..211D	; Common # L&	[5] DOUBLE-STRUCK CAPITAL P..DOUBLE-STRUCK CAPITAL R
211E..2123	; Common # So	[6] PRESCRIPTION TAKE..VERSICLE
2124	; Common # L&	DOUBLE-STRUCK CAPITAL Z
2125	; Common # So	OUNCE SIGN
2127	; Common # So	INVERTED OHM SIGN
2128	; Common # L&	BLACK-LETTER CAPITAL Z
2129	; Common # So	TURNED GREEK SMALL LETTER IOTA
212C..212D	; Common # L&	[2] SCRIPT CAPITAL B..BLACK-LETTER CAPITAL C
212E	; Common # So	ESTIMATED SYMBOL
212F..2131	; Common # L&	[3] SCRIPT SMALL E..SCRIPT CAPITAL F
2133..2134	; Common # L&	[2] SCRIPT CAPITAL M..SCRIPT SMALL O
2135..2138	; Common # Lo	[4] ALEF SYMBOL..DALET SYMBOL
2139	; Common # L&	INFORMATION SOURCE
213A..213B	; Common # So	[2] ROTATED CAPITAL Q..FACSIMILE SIGN
213C..213F	; Common # L&	[4] DOUBLE-STRUCK SMALL PI..DOUBLE-STRUCK CAPITAL PI
2140..2144 CAPITAL Y	; Common # Sm	[5] DOUBLE-STRUCK N-ARY SUMMATION..TURNED SANS-SERIF
2145..2149 SMALL J	; Common # L&	[5] DOUBLE-STRUCK ITALIC CAPITAL D..DOUBLE-STRUCK ITALIC
214A	; Common # So	PROPERTY LINE
214B	; Common # Sm	TURNED AMPERSAND
214C..214D	; Common # So	[2] PER SIGN..AKTIESELSKAB
214F	; Common # So	SYMBOL FOR SAMARITAN SOURCE
2150..215F	; Common # No	[16] VULGAR FRACTION ONE SEVENTH..FRACTION NUMERATOR ONE
2189	; Common # No	VULGAR FRACTION ZERO THIRDS
2190..2194	; Common # Sm	[5] LEFTWARDS ARROW..LEFT RIGHT ARROW
2195..2199	; Common # So	[5] UP DOWN ARROW..SOUTH WEST ARROW
219A..219B STROKE	; Common # Sm	[2] LEFTWARDS ARROW WITH STROKE..RIGHTWARDS ARROW WITH



219C..219F	; Common # So	[4]	LEFTWARDS WAVE ARROW..UPWARDS TWO HEADED ARROW
21A0	; Common # Sm		RIGHTWARDS TWO HEADED ARROW
21A1..21A2	; Common # So	[2]	DOWNWARDS TWO HEADED ARROW..LEFTWARDS ARROW WITH TAIL
21A3	; Common # Sm		RIGHTWARDS ARROW WITH TAIL
21A4..21A5	; Common # So	[2]	LEFTWARDS ARROW FROM BAR..UPWARDS ARROW FROM BAR
21A6	; Common # Sm		RIGHTWARDS ARROW FROM BAR
21A7..21AD	; Common # So	[7]	DOWNWARDS ARROW FROM BAR..LEFT RIGHT WAVE ARROW
21AE	; Common # Sm		LEFT RIGHT ARROW WITH STROKE
21AF..21CD STROKE	; Common # So	[31]	DOWNWARDS ZIGZAG ARROW..LEFTWARDS DOUBLE ARROW WITH
21CE..21CF	; Common # Sm	[2]	LEFT RIGHT DOUBLE ARROW WITH STROKE..RIGHTWARDS DOUBLE
21D0..21D1	; Common # So	[2]	LEFTWARDS DOUBLE ARROW..UPWARDS DOUBLE ARROW
21D2	; Common # Sm		RIGHTWARDS DOUBLE ARROW
21D3	; Common # So		DOWNWARDS DOUBLE ARROW
21D4	; Common # Sm		LEFT RIGHT DOUBLE ARROW
21D5..21F3	; Common # So	[31]	UP DOWN DOUBLE ARROW..UP DOWN WHITE ARROW
21F4..22FF MEMBERSHIP	; Common # Sm	[268]	RIGHT ARROW WITH SMALL CIRCLE..Z NOTATION BAG
2300..2307	; Common # So	[8]	DIAMETER SIGN..WAVY LINE
2308..230B	; Common # Sm	[4]	LEFT CEILING..RIGHT FLOOR
230C..231F	; Common # So	[20]	BOTTOM RIGHT CROP..BOTTOM RIGHT CORNER
2320..2321	; Common # Sm	[2]	TOP HALF INTEGRAL..BOTTOM HALF INTEGRAL
2322..2328	; Common # So	[7]	FROWN..KEYBOARD
2329	; Common # Ps		LEFT-POINTING ANGLE BRACKET
232A	; Common # Pe		RIGHT-POINTING ANGLE BRACKET
232B..237B	; Common # So	[81]	ERASE TO THE LEFT..NOT CHECK MARK
237C	; Common # Sm		RIGHT ANGLE WITH DOWNWARDS ZIGZAG ARROW
237D..239A	; Common # So	[30]	SHOULDERED OPEN BOX..CLEAR SCREEN SYMBOL
239B..23B3	; Common # Sm	[25]	LEFT PARENTHESIS UPPER HOOK..SUMMATION BOTTOM
23B4..23DB	; Common # So	[40]	TOP SQUARE BRACKET..FUSE
23DC..23E1	; Common # Sm	[6]	TOP PARENTHESIS..BOTTOM TORTOISE SHELL BRACKET
23E2..23F3	; Common # So	[18]	WHITE TRAPEZIUM..HOURLASS WITH FLOWING SAND
2400..2426	; Common # So	[39]	SYMBOL FOR NULL..SYMBOL FOR SUBSTITUTE FORM TWO
2440..244A	; Common # So	[11]	OCR HOOK..OCR DOUBLE BACKSLASH



2460..249B	; Common # No	[60]	CIRCLED DIGIT ONE..NUMBER TWENTY FULL STOP
249C..24E9	; Common # So	[78]	PARENTHESESIZED LATIN SMALL LETTER A..CIRCLED LATIN SMALL LETTER Z
24EA..24FF	; Common # No	[22]	CIRCLED DIGIT ZERO..NEGATIVE CIRCLED DIGIT ZERO
2500..25B6	; Common # So	[183]	BOX DRAWINGS LIGHT HORIZONTAL..BLACK RIGHT-POINTING TRIANGLE
25B7	; Common # Sm		WHITE RIGHT-POINTING TRIANGLE
25B8..25C0	; Common # So	[9]	BLACK RIGHT-POINTING SMALL TRIANGLE..BLACK LEFT-POINTING TRIANGLE
25C1	; Common # Sm		WHITE LEFT-POINTING TRIANGLE
25C2..25F7	; Common # So	[54]	BLACK LEFT-POINTING SMALL TRIANGLE..WHITE CIRCLE WITH UPPER RIGHT QUADRANT
25F8..25FF	; Common # Sm	[8]	UPPER LEFT TRIANGLE..LOWER RIGHT TRIANGLE
2600..266E	; Common # So	[111]	BLACK SUN WITH RAYS..MUSIC NATURAL SIGN
266F	; Common # Sm		MUSIC SHARP SIGN
2670..26FF	; Common # So	[144]	WEST SYRIAC CROSS..WHITE FLAG WITH HORIZONTAL MIDDLE BLACK STRIPE
2701..2767	; Common # So	[103]	UPPER BLADE SCISSORS..ROTATED FLORAL HEART BULLET
2768	; Common # Ps		MEDIUM LEFT PARENTHESIS ORNAMENT
2769	; Common # Pe		MEDIUM RIGHT PARENTHESIS ORNAMENT
276A	; Common # Ps		MEDIUM FLATTENED LEFT PARENTHESIS ORNAMENT
276B	; Common # Pe		MEDIUM FLATTENED RIGHT PARENTHESIS ORNAMENT
276C	; Common # Ps		MEDIUM LEFT-POINTING ANGLE BRACKET ORNAMENT
276D	; Common # Pe		MEDIUM RIGHT-POINTING ANGLE BRACKET ORNAMENT
276E	; Common # Ps		HEAVY LEFT-POINTING ANGLE QUOTATION MARK ORNAMENT
276F	; Common # Pe		HEAVY RIGHT-POINTING ANGLE QUOTATION MARK ORNAMENT
2770	; Common # Ps		HEAVY LEFT-POINTING ANGLE BRACKET ORNAMENT
2771	; Common # Pe		HEAVY RIGHT-POINTING ANGLE BRACKET ORNAMENT
2772	; Common # Ps		LIGHT LEFT TORTOISE SHELL BRACKET ORNAMENT
2773	; Common # Pe		LIGHT RIGHT TORTOISE SHELL BRACKET ORNAMENT
2774	; Common # Ps		MEDIUM LEFT CURLY BRACKET ORNAMENT
2775	; Common # Pe		MEDIUM RIGHT CURLY BRACKET ORNAMENT
2776..2793	; Common # No	[30]	DINGBAT NEGATIVE CIRCLED DIGIT ONE..DINGBAT NEGATIVE CIRCLED SANS-SERIF NUMBER TEN
2794..27BF	; Common # So	[44]	HEAVY WIDE-HEADED RIGHTWARDS ARROW..DOUBLE CURLY LOOP
27C0..27C4	; Common # Sm	[5]	THREE DIMENSIONAL ANGLE..OPEN SUPERSET



27C5	; Common # Ps	LEFT S-SHAPED BAG DELIMITER
27C6	; Common # Pe	RIGHT S-SHAPED BAG DELIMITER
27C7..27E5	; Common # Sm [31]	OR WITH DOT INSIDE..WHITE SQUARE WITH RIGHTWARDS TICK
27E6	; Common # Ps	MATHEMATICAL LEFT WHITE SQUARE BRACKET
27E7	; Common # Pe	MATHEMATICAL RIGHT WHITE SQUARE BRACKET
27E8	; Common # Ps	MATHEMATICAL LEFT ANGLE BRACKET
27E9	; Common # Pe	MATHEMATICAL RIGHT ANGLE BRACKET
27EA	; Common # Ps	MATHEMATICAL LEFT DOUBLE ANGLE BRACKET
27EB	; Common # Pe	MATHEMATICAL RIGHT DOUBLE ANGLE BRACKET
27EC	; Common # Ps	MATHEMATICAL LEFT WHITE TORTOISE SHELL BRACKET
27ED	; Common # Pe	MATHEMATICAL RIGHT WHITE TORTOISE SHELL BRACKET
27EE	; Common # Ps	MATHEMATICAL LEFT FLATTENED PARENTHESIS
27EF	; Common # Pe	MATHEMATICAL RIGHT FLATTENED PARENTHESIS
27F0..27FF ARROW	; Common # Sm [16]	UPWARDS QUADRUPLE ARROW..LONG RIGHTWARDS SQUIGGLE
2900..2982	; Common # Sm [131]	RIGHTWARDS TWO-HEADED ARROW WITH VERTICAL STROKE..Z NOTATION TYPE COLON
2983	; Common # Ps	LEFT WHITE CURLY BRACKET
2984	; Common # Pe	RIGHT WHITE CURLY BRACKET
2985	; Common # Ps	LEFT WHITE PARENTHESIS
2986	; Common # Pe	RIGHT WHITE PARENTHESIS
2987	; Common # Ps	Z NOTATION LEFT IMAGE BRACKET
2988	; Common # Pe	Z NOTATION RIGHT IMAGE BRACKET
2989	; Common # Ps	Z NOTATION LEFT BINDING BRACKET
298A	; Common # Pe	Z NOTATION RIGHT BINDING BRACKET
298B	; Common # Ps	LEFT SQUARE BRACKET WITH UNDERBAR
298C	; Common # Pe	RIGHT SQUARE BRACKET WITH UNDERBAR
298D	; Common # Ps	LEFT SQUARE BRACKET WITH TICK IN TOP CORNER
298E	; Common # Pe	RIGHT SQUARE BRACKET WITH TICK IN BOTTOM CORNER
298F	; Common # Ps	LEFT SQUARE BRACKET WITH TICK IN BOTTOM CORNER
2990	; Common # Pe	RIGHT SQUARE BRACKET WITH TICK IN TOP CORNER
2991	; Common # Ps	LEFT ANGLE BRACKET WITH DOT
2992	; Common # Pe	RIGHT ANGLE BRACKET WITH DOT
2993	; Common # Ps	LEFT ARC LESS-THAN BRACKET
2994	; Common # Pe	RIGHT ARC GREATER-THAN BRACKET





2995	; Common # Ps	DOUBLE LEFT ARC GREATER-THAN BRACKET
2996	; Common # Pe	DOUBLE RIGHT ARC LESS-THAN BRACKET
2997	; Common # Ps	LEFT BLACK TORTOISE SHELL BRACKET
2998	; Common # Pe	RIGHT BLACK TORTOISE SHELL BRACKET
2999..29D7	; Common # Sm [63]	DOTTED FENCE..BLACK HOURGLASS
29D8	; Common # Ps	LEFT WIGGLY FENCE
29D9	; Common # Pe	RIGHT WIGGLY FENCE
29DA	; Common # Ps	LEFT DOUBLE WIGGLY FENCE
29DB	; Common # Pe	RIGHT DOUBLE WIGGLY FENCE
29DC..29FB	; Common # Sm [32]	INCOMPLETE INFINITY..TRIPLE PLUS
29FC	; Common # Ps	LEFT-POINTING CURVED ANGLE BRACKET
29FD	; Common # Pe	RIGHT-POINTING CURVED ANGLE BRACKET
29FE..2AFF	; Common # Sm [258]	TINY..N-ARY WHITE VERTICAL BAR
2B00..2B2F	; Common # So [48]	NORTH EAST WHITE ARROW..WHITE VERTICAL ELLIPSE
2B30..2B44 SUPERSET	; Common # Sm [21]	LEFT ARROW WITH SMALL CIRCLE..RIGHTWARDS ARROW THROUGH
2B45..2B46	; Common # So [2]	LEFTWARDS QUADRUPLE ARROW..RIGHTWARDS QUADRUPLE ARROW
2B47..2B4C	; Common # Sm [6]	REVERSE TILDE OPERATOR ABOVE RIGHTWARDS ARROW..RIGHTWARDS ARROW ABOVE REVERSE TILDE OPERATOR
2B50..2B59	; Common # So [10]	WHITE MEDIUM STAR..HEAVY CIRCLED SALTIRE
2E00..2E01 SUBSTITUTION MARKER	; Common # Po [2]	RIGHT ANGLE SUBSTITUTION MARKER..RIGHT ANGLE DOTTED SUBSTITUTION MARKER
2E02	; Common # Pi	LEFT SUBSTITUTION BRACKET
2E03	; Common # Pf	RIGHT SUBSTITUTION BRACKET
2E04	; Common # Pi	LEFT DOTTED SUBSTITUTION BRACKET
2E05	; Common # Pf	RIGHT DOTTED SUBSTITUTION BRACKET
2E06..2E08 MARKER	; Common # Po [3]	RAISED INTERPOLATION MARKER..DOTTED TRANSPOSITION MARKER
2E09	; Common # Pi	LEFT TRANSPOSITION BRACKET
2E0A	; Common # Pf	RIGHT TRANSPOSITION BRACKET
2E0B	; Common # Po	RAISED SQUARE
2E0C	; Common # Pi	LEFT RAISED OMISSION BRACKET
2E0D	; Common # Pf	RIGHT RAISED OMISSION BRACKET
2E0E..2E16	; Common # Po [9]	EDITORIAL CORONIS..DOTTED RIGHT-POINTING ANGLE
2E17	; Common # Pd	DOUBLE OBLIQUE HYPHEN
2E18..2E19	; Common # Po [2]	INVERTED INTERROBANG..PALM BRANCH



2E1A	; Common # Pd	HYPHEN WITH DIAERESIS
2E1B	; Common # Po	TILDE WITH RING ABOVE
2E1C	; Common # Pi	LEFT LOW PARAPHRASE BRACKET
2E1D	; Common # Pf	RIGHT LOW PARAPHRASE BRACKET
2E1E..2E1F	; Common # Po [2]	TILDE WITH DOT ABOVE..TILDE WITH DOT BELOW
2E20	; Common # Pi	LEFT VERTICAL BAR WITH QUILL
2E21	; Common # Pf	RIGHT VERTICAL BAR WITH QUILL
2E22	; Common # Ps	TOP LEFT HALF BRACKET
2E23	; Common # Pe	TOP RIGHT HALF BRACKET
2E24	; Common # Ps	BOTTOM LEFT HALF BRACKET
2E25	; Common # Pe	BOTTOM RIGHT HALF BRACKET
2E26	; Common # Ps	LEFT SIDEWAYS U BRACKET
2E27	; Common # Pe	RIGHT SIDEWAYS U BRACKET
2E28	; Common # Ps	LEFT DOUBLE PARENTHESIS
2E29	; Common # Pe	RIGHT DOUBLE PARENTHESIS
2E2A..2E2E MARK	; Common # Po [5]	TWO DOTS OVER ONE DOT PUNCTUATION..REVERSED QUESTION
2E2F	; Common # Lm	VERTICAL TILDE
2E30..2E39	; Common # Po [10]	RING POINT..TOP HALF SECTION SIGN
2E3A..2E3B	; Common # Pd [2]	TWO-EM DASH..THREE-EM DASH
2FF0..2FFB	; Common # So [12]	IDEOGRAPHIC DESCRIPTION CHARACTER LEFT TO RIGHT..IDEOGRAPHIC DESCRIPTION CHARACTER OVERLAID
3000	; Common # Zs	IDEOGRAPHIC SPACE
3001..3003	; Common # Po [3]	IDEOGRAPHIC COMMA..DITTO MARK
3004	; Common # So	JAPANESE INDUSTRIAL STANDARD SYMBOL
3006	; Common # Lo	IDEOGRAPHIC CLOSING MARK
3008	; Common # Ps	LEFT ANGLE BRACKET
3009	; Common # Pe	RIGHT ANGLE BRACKET
300A	; Common # Ps	LEFT DOUBLE ANGLE BRACKET
300B	; Common # Pe	RIGHT DOUBLE ANGLE BRACKET
300C	; Common # Ps	LEFT CORNER BRACKET
300D	; Common # Pe	RIGHT CORNER BRACKET
300E	; Common # Ps	LEFT WHITE CORNER BRACKET
300F	; Common # Pe	RIGHT WHITE CORNER BRACKET
3010	; Common # Ps	LEFT BLACK LENTICULAR BRACKET



3011	; Common # Pe	RIGHT BLACK LENTICULAR BRACKET
3012..3013	; Common # So	[2] POSTAL MARK..GETA MARK
3014	; Common # Ps	LEFT TORTOISE SHELL BRACKET
3015	; Common # Pe	RIGHT TORTOISE SHELL BRACKET
3016	; Common # Ps	LEFT WHITE LENTICULAR BRACKET
3017	; Common # Pe	RIGHT WHITE LENTICULAR BRACKET
3018	; Common # Ps	LEFT WHITE TORTOISE SHELL BRACKET
3019	; Common # Pe	RIGHT WHITE TORTOISE SHELL BRACKET
301A	; Common # Ps	LEFT WHITE SQUARE BRACKET
301B	; Common # Pe	RIGHT WHITE SQUARE BRACKET
301C	; Common # Pd	WAVE DASH
301D	; Common # Ps	REVERSED DOUBLE PRIME QUOTATION MARK
301E..301F	; Common # Pe	[2] DOUBLE PRIME QUOTATION MARK..LOW DOUBLE PRIME QUOTATION MARK
3020	; Common # So	POSTAL MARK FACE
3030	; Common # Pd	WAVY DASH
3031..3035	; Common # Lm	[5] VERTICAL KANA REPEAT MARK..VERTICAL KANA REPEAT MARK LOWER HALF
3036..3037	; Common # So	[2] CIRCLED POSTAL MARK..IDEOGRAPHIC TELEGRAPH LINE FEED SEPARATOR SYMBOL
303C	; Common # Lo	MASU MARK
303D	; Common # Po	PART ALTERNATION MARK
303E..303F	; Common # So	[2] IDEOGRAPHIC VARIATION INDICATOR..IDEOGRAPHIC HALF FILL SPACE
309B..309C	; Common # Sk	[2] KATAKANA-HIRAGANA VOICED SOUND MARK..KATAKANA-HIRAGANA SEMI-VOICED SOUND MARK
30A0	; Common # Pd	KATAKANA-HIRAGANA DOUBLE HYPHEN
30FB	; Common # Po	KATAKANA MIDDLE DOT
30FC	; Common # Lm	KATAKANA-HIRAGANA PROLONGED SOUND MARK
3190..3191	; Common # So	[2] IDEOGRAPHIC ANNOTATION LINKING MARK..IDEOGRAPHIC ANNOTATION REVERSE MARK
3192..3195	; Common # No	[4] IDEOGRAPHIC ANNOTATION ONE MARK..IDEOGRAPHIC ANNOTATION FOUR MARK
3196..319F	; Common # So	[10] IDEOGRAPHIC ANNOTATION TOP MARK..IDEOGRAPHIC ANNOTATION MAN MARK
31C0..31E3	; Common # So	[36] CJK STROKE T..CJK STROKE Q
3220..3229	; Common # No	[10] PARENTHESTIZED IDEOGRAPH ONE..PARENTHESTIZED IDEOGRAPH TEN



322A..3247	; Common # So	[30]	PARENTHESESIZED IDEOGRAPH MOON..CIRCLED IDEOGRAPH KOTO
3248..324F	; Common # No	[8]	CIRCLED NUMBER TEN ON BLACK SQUARE..CIRCLED NUMBER EIGHTY ON BLACK SQUARE
3250	; Common # So		PARTNERSHIP SIGN
3251..325F	; Common # No	[15]	CIRCLED NUMBER TWENTY ONE..CIRCLED NUMBER THIRTY FIVE
327F	; Common # So		KOREAN STANDARD SYMBOL
3280..3289	; Common # No	[10]	CIRCLED IDEOGRAPH ONE..CIRCLED IDEOGRAPH TEN
328A..32B0	; Common # So	[39]	CIRCLED IDEOGRAPH MOON..CIRCLED IDEOGRAPH NIGHT
32B1..32BF	; Common # No	[15]	CIRCLED NUMBER THIRTY SIX..CIRCLED NUMBER FIFTY
32C0..32CF	; Common # So	[16]	IDEOGRAPHIC TELEGRAPH SYMBOL FOR JANUARY..LIMITED LIABILITY SIGN
3358..33FF	; Common # So	[168]	IDEOGRAPHIC TELEGRAPH SYMBOL FOR HOUR ZERO..SQUARE GAL
4DC0..4DFF	; Common # So	[64]	HEXAGRAM FOR THE CREATIVE HEAVEN..HEXAGRAM FOR BEFORE COMPLETION
A700..A716	; Common # Sk	[23]	MODIFIER LETTER CHINESE TONE YIN PING..MODIFIER LETTER EXTRA-LOW LEFT-STEM TONE BAR
A717..A71F	; Common # Lm	[9]	MODIFIER LETTER DOT VERTICAL BAR..MODIFIER LETTER LOW INVERTED EXCLAMATION MARK
A720..A721	; Common # Sk	[2]	MODIFIER LETTER STRESS AND HIGH TONE..MODIFIER LETTER STRESS AND LOW TONE
A788	; Common # Lm		MODIFIER LETTER LOW CIRCUMFLEX ACCENT
A789..A78A	; Common # Sk	[2]	MODIFIER LETTER COLON..MODIFIER LETTER SHORT EQUALS SIGN
A830..A835	; Common # No	[6]	NORTH INDIC FRACTION ONE QUARTER..NORTH INDIC FRACTION THREE SIXTEENTHS
A836..A837	; Common # So	[2]	NORTH INDIC QUARTER MARK..NORTH INDIC PLACEHOLDER MARK
A838	; Common # Sc		NORTH INDIC RUPEE MARK
A839	; Common # So		NORTH INDIC QUANTITY MARK
FD3E	; Common # Ps		ORNATE LEFT PARENTHESIS
FD3F	; Common # Pe		ORNATE RIGHT PARENTHESIS
FDFD	; Common # So		ARABIC LIGATURE BISMILLAH AR-RAHMAN AR-RAHEEM
FE10..FE16	; Common # Po	[7]	PRESENTATION FORM FOR VERTICAL COMMA..PRESENTATION FORM FOR VERTICAL QUESTION MARK
FE17	; Common # Ps		PRESENTATION FORM FOR VERTICAL LEFT WHITE LENTICULAR BRACKET
FE18	; Common # Pe		PRESENTATION FORM FOR VERTICAL RIGHT WHITE LENTICULAR BRACKET
FE19	; Common # Po		PRESENTATION FORM FOR VERTICAL HORIZONTAL ELLIPSIS
FE30	; Common # Po		PRESENTATION FORM FOR VERTICAL TWO DOT LEADER



FE31..FE32	; Common # Pd	[2]	PRESENTATION FORM FOR VERTICAL EM DASH..PRESENTATION FORM FOR VERTICAL EN DASH
FE33..FE34	; Common # Pc	[2]	PRESENTATION FORM FOR VERTICAL LOW LINE..PRESENTATION FORM FOR VERTICAL WAVY LOW LINE
FE35	; Common # Ps		PRESENTATION FORM FOR VERTICAL LEFT PARENTHESIS
FE36	; Common # Pe		PRESENTATION FORM FOR VERTICAL RIGHT PARENTHESIS
FE37	; Common # Ps		PRESENTATION FORM FOR VERTICAL LEFT CURLY BRACKET
FE38	; Common # Pe		PRESENTATION FORM FOR VERTICAL RIGHT CURLY BRACKET
FE39 BRACKET	; Common # Ps		PRESENTATION FORM FOR VERTICAL LEFT TORTOISE SHELL
FE3A BRACKET	; Common # Pe		PRESENTATION FORM FOR VERTICAL RIGHT TORTOISE SHELL
FE3B BRACKET	; Common # Ps		PRESENTATION FORM FOR VERTICAL LEFT BLACK LENTICULAR
FE3C BRACKET	; Common # Pe		PRESENTATION FORM FOR VERTICAL RIGHT BLACK LENTICULAR
FE3D BRACKET	; Common # Ps		PRESENTATION FORM FOR VERTICAL LEFT DOUBLE ANGLE
FE3E BRACKET	; Common # Pe		PRESENTATION FORM FOR VERTICAL RIGHT DOUBLE ANGLE
FE3F	; Common # Ps		PRESENTATION FORM FOR VERTICAL LEFT ANGLE BRACKET
FE40	; Common # Pe		PRESENTATION FORM FOR VERTICAL RIGHT ANGLE BRACKET
FE41	; Common # Ps		PRESENTATION FORM FOR VERTICAL LEFT CORNER BRACKET
FE42	; Common # Pe		PRESENTATION FORM FOR VERTICAL RIGHT CORNER BRACKET
FE43 BRACKET	; Common # Ps		PRESENTATION FORM FOR VERTICAL LEFT WHITE CORNER
FE44 BRACKET	; Common # Pe		PRESENTATION FORM FOR VERTICAL RIGHT WHITE CORNER
FE45..FE46	; Common # Po	[2]	SESAME DOT..WHITE SESAME DOT
FE47	; Common # Ps		PRESENTATION FORM FOR VERTICAL LEFT SQUARE BRACKET
FE48	; Common # Pe		PRESENTATION FORM FOR VERTICAL RIGHT SQUARE BRACKET
FE49..FE4C	; Common # Po	[4]	DASHED OVERLINE..DOUBLE WAVY OVERLINE
FE4D..FE4F	; Common # Pc	[3]	DASHED LOW LINE..WAVY LOW LINE
FE50..FE52	; Common # Po	[3]	SMALL COMMA..SMALL FULL STOP
FE54..FE57	; Common # Po	[4]	SMALL SEMICOLON..SMALL EXCLAMATION MARK
FE58	; Common # Pd		SMALL EM DASH
FE59	; Common # Ps		SMALL LEFT PARENTHESIS
FE5A	; Common # Pe		SMALL RIGHT PARENTHESIS



FE5B	; Common # Ps	SMALL LEFT CURLY BRACKET
FE5C	; Common # Pe	SMALL RIGHT CURLY BRACKET
FE5D	; Common # Ps	SMALL LEFT TORTOISE SHELL BRACKET
FE5E	; Common # Pe	SMALL RIGHT TORTOISE SHELL BRACKET
FE5F..FE61	; Common # Po [3]	SMALL NUMBER SIGN..SMALL ASTERISK
FE62	; Common # Sm	SMALL PLUS SIGN
FE63	; Common # Pd	SMALL HYPHEN-MINUS
FE64..FE66	; Common # Sm [3]	SMALL LESS-THAN SIGN..SMALL EQUALS SIGN
FE68	; Common # Po	SMALL REVERSE SOLIDUS
FE69	; Common # Sc	SMALL DOLLAR SIGN
FE6A..FE6B	; Common # Po [2]	SMALL PERCENT SIGN..SMALL COMMERCIAL AT
FEFF	; Common # Cf	ZERO WIDTH NO-BREAK SPACE
FF01..FF03	; Common # Po [3]	FULLWIDTH EXCLAMATION MARK..FULLWIDTH NUMBER SIGN
FF04	; Common # Sc	FULLWIDTH DOLLAR SIGN
FF05..FF07	; Common # Po [3]	FULLWIDTH PERCENT SIGN..FULLWIDTH APOSTROPHE
FF08	; Common # Ps	FULLWIDTH LEFT PARENTHESIS
FF09	; Common # Pe	FULLWIDTH RIGHT PARENTHESIS
FF0A	; Common # Po	FULLWIDTH ASTERISK
FF0B	; Common # Sm	FULLWIDTH PLUS SIGN
FF0C	; Common # Po	FULLWIDTH COMMA
FF0D	; Common # Pd	FULLWIDTH HYPHEN-MINUS
FF0E..FF0F	; Common # Po [2]	FULLWIDTH FULL STOP..FULLWIDTH SOLIDUS
FF10..FF19	; Common # Nd [10]	FULLWIDTH DIGIT ZERO..FULLWIDTH DIGIT NINE
FF1A..FF1B	; Common # Po [2]	FULLWIDTH COLON..FULLWIDTH SEMICOLON
FF1C..FF1E	; Common # Sm [3]	FULLWIDTH LESS-THAN SIGN..FULLWIDTH GREATER-THAN SIGN
FF1F..FF20	; Common # Po [2]	FULLWIDTH QUESTION MARK..FULLWIDTH COMMERCIAL AT
FF3B	; Common # Ps	FULLWIDTH LEFT SQUARE BRACKET
FF3C	; Common # Po	FULLWIDTH REVERSE SOLIDUS
FF3D	; Common # Pe	FULLWIDTH RIGHT SQUARE BRACKET
FF3E	; Common # Sk	FULLWIDTH CIRCUMFLEX ACCENT
FF3F	; Common # Pc	FULLWIDTH LOW LINE
FF40	; Common # Sk	FULLWIDTH GRAVE ACCENT
FF5B	; Common # Ps	FULLWIDTH LEFT CURLY BRACKET
FF5C	; Common # Sm	FULLWIDTH VERTICAL LINE



FF5D	; Common # Pe	FULLWIDTH RIGHT CURLY BRACKET
FF5E	; Common # Sm	FULLWIDTH TILDE
FF5F	; Common # Ps	FULLWIDTH LEFT WHITE PARENTHESIS
FF60	; Common # Pe	FULLWIDTH RIGHT WHITE PARENTHESIS
FF61	; Common # Po	HALFWIDTH IDEOGRAPHIC FULL STOP
FF62	; Common # Ps	HALFWIDTH LEFT CORNER BRACKET
FF63	; Common # Pe	HALFWIDTH RIGHT CORNER BRACKET
FF64..FF65	; Common # Po [2]	HALFWIDTH IDEOGRAPHIC COMMA..HALFWIDTH KATAKANA MIDDLE DOT
FF70	; Common # Lm	HALFWIDTH KATAKANA-HIRAGANA PROLONGED SOUND MARK
FF9E..FF9F	; Common # Lm [2]	HALFWIDTH KATAKANA VOICED SOUND MARK..HALFWIDTH KATAKANA SEMI-VOICED SOUND MARK
FFE0..FFE1	; Common # Sc [2]	FULLWIDTH CENT SIGN..FULLWIDTH POUND SIGN
FFE2	; Common # Sm	FULLWIDTH NOT SIGN
FFE3	; Common # Sk	FULLWIDTH MACRON
FFE4	; Common # So	FULLWIDTH BROKEN BAR
FFE5..FFE6	; Common # Sc [2]	FULLWIDTH YEN SIGN..FULLWIDTH WON SIGN
FFE8	; Common # So	HALFWIDTH FORMS LIGHT VERTICAL
FFE9..FFEC	; Common # Sm [4]	HALFWIDTH LEFTWARDS ARROW..HALFWIDTH DOWNWARDS ARROW
FFED..FFEE	; Common # So [2]	HALFWIDTH BLACK SQUARE..HALFWIDTH WHITE CIRCLE
FFF9..FFFB	; Common # Cf [3]	INTERLINEAR ANNOTATION ANCHOR..INTERLINEAR ANNOTATION TERMINATOR
FFFC..FFFD	; Common # So [2]	OBJECT REPLACEMENT CHARACTER..REPLACEMENT CHARACTER
10100..10102	; Common # Po [3]	AEGEAN WORD SEPARATOR LINE..AEGEAN CHECK MARK
10107..10133	; Common # No [45]	AEGEAN NUMBER ONE..AEGEAN NUMBER NINETY THOUSAND
10137..1013F	; Common # So [9]	AEGEAN WEIGHT BASE UNIT..AEGEAN MEASURE THIRD SUBUNIT
10190..1019B	; Common # So [12]	ROMAN SEXTANS SIGN..ROMAN CENTURIAL SIGN
101D0..101FC	; Common # So [45]	PHAISTOS DISC SIGN PEDESTRIAN..PHAISTOS DISC SIGN WAVY BAND
1D000..1D0F5	; Common # So [246]	BYZANTINE MUSICAL SYMBOL PSILI..BYZANTINE MUSICAL SYMBOL GORGON NEO KATO
1D100..1D126	; Common # So [39]	MUSICAL SYMBOL SINGLE BARLINE..MUSICAL SYMBOL DRUM CLEF-2
1D129..1D164	; Common # So [60]	MUSICAL SYMBOL MULTIPLE MEASURE REST..MUSICAL SYMBOL ONE HUNDRED TWENTY-EIGHTH NOTE
1D165..1D166	; Common # Mc [2]	MUSICAL SYMBOL COMBINING STEM..MUSICAL SYMBOL COMBINING SPRECHGESANG STEM



1D16A..1D16C ; Common # So	[3]	MUSICAL SYMBOL FINGERED TREMOLO-1..MUSICAL SYMBOL FINGERED TREMOLO-3
1D16D..1D172 ; Common # Mc	[6]	MUSICAL SYMBOL COMBINING AUGMENTATION DOT..MUSICAL SYMBOL COMBINING FLAG-5
1D173..1D17A ; Common # Cf	[8]	MUSICAL SYMBOL BEGIN BEAM..MUSICAL SYMBOL END PHRASE
1D183..1D184 ; Common # So	[2]	MUSICAL SYMBOL ARPEGGIATO UP..MUSICAL SYMBOL ARPEGGIATO DOWN
1D18C..1D1A9 ; Common # So	[30]	MUSICAL SYMBOL RINFORZANDO..MUSICAL SYMBOL DEGREE SLASH
1D1AE..1D1DD ; Common # So	[48]	MUSICAL SYMBOL PEDAL MARK..MUSICAL SYMBOL PES SUBPUNCTIS
1D300..1D356 ; Common # So	[87]	MONOGRAM FOR EARTH..TETRAGRAM FOR FOSTERING
1D360..1D371 ; Common # No	[18]	COUNTING ROD UNIT DIGIT ONE..COUNTING ROD TENS DIGIT NINE
1D400..1D454 ; Common # L&	[85]	MATHEMATICAL BOLD CAPITAL A..MATHEMATICAL ITALIC SMALL G
1D456..1D49C ; Common # L&	[71]	MATHEMATICAL ITALIC SMALL I..MATHEMATICAL SCRIPT CAPITAL A
1D49E..1D49F ; Common # L&	[2]	MATHEMATICAL SCRIPT CAPITAL C..MATHEMATICAL SCRIPT CAPITAL D
1D4A2 ; Common # L&		MATHEMATICAL SCRIPT CAPITAL G
1D4A5..1D4A6 ; Common # L&	[2]	MATHEMATICAL SCRIPT CAPITAL J..MATHEMATICAL SCRIPT CAPITAL K
1D4A9..1D4AC ; Common # L&	[4]	MATHEMATICAL SCRIPT CAPITAL N..MATHEMATICAL SCRIPT CAPITAL Q
1D4AE..1D4B9 ; Common # L&	[12]	MATHEMATICAL SCRIPT CAPITAL S..MATHEMATICAL SCRIPT SMALL D
1D4BB ; Common # L&		MATHEMATICAL SCRIPT SMALL F
1D4BD..1D4C3 ; Common # L&	[7]	MATHEMATICAL SCRIPT SMALL H..MATHEMATICAL SCRIPT SMALL N
1D4C5..1D505 ; Common # L&	[65]	MATHEMATICAL SCRIPT SMALL P..MATHEMATICAL FRAKTUR CAPITAL B
1D507..1D50A ; Common # L&	[4]	MATHEMATICAL FRAKTUR CAPITAL D..MATHEMATICAL FRAKTUR CAPITAL G
1D50D..1D514 ; Common # L&	[8]	MATHEMATICAL FRAKTUR CAPITAL J..MATHEMATICAL FRAKTUR CAPITAL Q
1D516..1D51C ; Common # L&	[7]	MATHEMATICAL FRAKTUR CAPITAL S..MATHEMATICAL FRAKTUR CAPITAL Y
1D51E..1D539 ; Common # L&	[28]	MATHEMATICAL FRAKTUR SMALL A..MATHEMATICAL DOUBLE-STRUCK CAPITAL B
1D53B..1D53E ; Common # L&	[4]	MATHEMATICAL DOUBLE-STRUCK CAPITAL D..MATHEMATICAL DOUBLE-STRUCK CAPITAL G





1D540..1D544 ; Common # L&	[5]	MATHEMATICAL DOUBLE-STRUCK CAPITAL I..MATHEMATICAL DOUBLE-STRUCK CAPITAL M
1D546 ; Common # L&		MATHEMATICAL DOUBLE-STRUCK CAPITAL O
1D54A..1D550 ; Common # L&	[7]	MATHEMATICAL DOUBLE-STRUCK CAPITAL S..MATHEMATICAL DOUBLE-STRUCK CAPITAL Y
1D552..1D6A5 ; Common # L&	[340]	MATHEMATICAL DOUBLE-STRUCK SMALL A..MATHEMATICAL ITALIC SMALL DOTLESS J
1D6A8..1D6C0 ; Common # L&	[25]	MATHEMATICAL BOLD CAPITAL ALPHA..MATHEMATICAL BOLD CAPITAL OMEGA
1D6C1 ; Common # Sm		MATHEMATICAL BOLD NABLA
1D6C2..1D6DA ; Common # L&	[25]	MATHEMATICAL BOLD SMALL ALPHA..MATHEMATICAL BOLD SMALL OMEGA
1D6DB ; Common # Sm		MATHEMATICAL BOLD PARTIAL DIFFERENTIAL
1D6DC..1D6FA ; Common # L&	[31]	MATHEMATICAL BOLD EPSILON SYMBOL..MATHEMATICAL ITALIC CAPITAL OMEGA
1D6FB ; Common # Sm		MATHEMATICAL ITALIC NABLA
1D6FC..1D714 ; Common # L&	[25]	MATHEMATICAL ITALIC SMALL ALPHA..MATHEMATICAL ITALIC SMALL OMEGA
1D715 ; Common # Sm		MATHEMATICAL ITALIC PARTIAL DIFFERENTIAL
1D716..1D734 ; Common # L&	[31]	MATHEMATICAL ITALIC EPSILON SYMBOL..MATHEMATICAL BOLD ITALIC CAPITAL OMEGA
1D735 ; Common # Sm		MATHEMATICAL BOLD ITALIC NABLA
1D736..1D74E ; Common # L&	[25]	MATHEMATICAL BOLD ITALIC SMALL ALPHA..MATHEMATICAL BOLD ITALIC SMALL OMEGA
1D74F ; Common # Sm		MATHEMATICAL BOLD ITALIC PARTIAL DIFFERENTIAL
1D750..1D76E ; Common # L&	[31]	MATHEMATICAL BOLD ITALIC EPSILON SYMBOL..MATHEMATICAL SANS-SERIF BOLD CAPITAL OMEGA
1D76F ; Common # Sm		MATHEMATICAL SANS-SERIF BOLD NABLA
1D770..1D788 ; Common # L&	[25]	MATHEMATICAL SANS-SERIF BOLD SMALL ALPHA..MATHEMATICAL SANS-SERIF BOLD SMALL OMEGA
1D789 ; Common # Sm		MATHEMATICAL SANS-SERIF BOLD PARTIAL DIFFERENTIAL
1D78A..1D7A8 ; Common # L&	[31]	MATHEMATICAL SANS-SERIF BOLD EPSILON SYMBOL..MATHEMATICAL SANS-SERIF BOLD ITALIC CAPITAL OMEGA
1D7A9 ; Common # Sm		MATHEMATICAL SANS-SERIF BOLD ITALIC NABLA
1D7AA..1D7C2 ; Common # L&	[25]	MATHEMATICAL SANS-SERIF BOLD ITALIC SMALL ALPHA..MATHEMATICAL SANS-SERIF BOLD ITALIC SMALL OMEGA
1D7C3 ; Common # Sm		MATHEMATICAL SANS-SERIF BOLD ITALIC PARTIAL DIFFERENTIAL
1D7C4..1D7CB ; Common # L&	[8]	MATHEMATICAL SANS-SERIF BOLD ITALIC EPSILON SYMBOL..MATHEMATICAL BOLD SMALL DIGAMMA



1D7CE..1D7FF	; Common # Nd	[50]	MATHEMATICAL BOLD DIGIT ZERO..MATHEMATICAL MONOSPACE DIGIT NINE
1F000..1F02B	; Common # So	[44]	MAHJONG TILE EAST WIND..MAHJONG TILE BACK
1F030..1F093	; Common # So	[100]	DOMINO TILE HORIZONTAL BACK..DOMINO TILE VERTICAL-06-06
1F0A0..1F0AE	; Common # So	[15]	PLAYING CARD BACK..PLAYING CARD KING OF SPADES
1F0B1..1F0BE	; Common # So	[14]	PLAYING CARD ACE OF HEARTS..PLAYING CARD KING OF HEARTS
1F0C1..1F0CF	; Common # So	[15]	PLAYING CARD ACE OF DIAMONDS..PLAYING CARD BLACK JOKER
1F0D1..1F0DF	; Common # So	[15]	PLAYING CARD ACE OF CLUBS..PLAYING CARD WHITE JOKER
1F100..1F10A	; Common # No	[11]	DIGIT ZERO FULL STOP..DIGIT NINE COMMA
1F110..1F12E	; Common # So	[31]	PARENTHESESIZED LATIN CAPITAL LETTER A..CIRCLED WZ
1F130..1F16B	; Common # So	[60]	SQUARED LATIN CAPITAL LETTER A..RAISED MD SIGN
1F170..1F19A	; Common # So	[43]	NEGATIVE SQUARED LATIN CAPITAL LETTER A..SQUARED VS
1F1E6..1F1FF	; Common # So	[26]	REGIONAL INDICATOR SYMBOL LETTER A..REGIONAL INDICATOR SYMBOL LETTER Z
1F201..1F202	; Common # So	[2]	SQUARED KATAKANA KOKO..SQUARED KATAKANA SA
1F210..1F23A	; Common # So	[43]	SQUARED CJK UNIFIED IDEOGRAPH-624B..SQUARED CJK UNIFIED IDEOGRAPH-55B6
1F240..1F248	; Common # So	[9]	TORTOISE SHELL BRACKETED CJK UNIFIED IDEOGRAPH-672C..TORTOISE SHELL BRACKETED CJK UNIFIED IDEOGRAPH-6557
1F250..1F251	; Common # So	[2]	CIRCLED IDEOGRAPH ADVANTAGE..CIRCLED IDEOGRAPH ACCEPT
1F300..1F320	; Common # So	[33]	CYCLONE..SHOOTING STAR
1F330..1F335	; Common # So	[6]	CHESTNUT..CACTUS
1F337..1F37C	; Common # So	[70]	TULIP..BABY BOTTLE
1F380..1F393	; Common # So	[20]	RIBBON..GRADUATION CAP
1F3A0..1F3C4	; Common # So	[37]	CAROUSEL HORSE..SURFER
1F3C6..1F3CA	; Common # So	[5]	TROPHY..SWIMMER
1F3E0..1F3F0	; Common # So	[17]	HOUSE BUILDING..EUROPEAN CASTLE
1F400..1F43E	; Common # So	[63]	RAT..PAW PRINTS
1F440	; Common # So		EYES
1F442..1F4F7	; Common # So	[182]	EAR..CAMERA
1F4F9..1F4FC	; Common # So	[4]	VIDEO CAMERA..VIDEOCASSETTE
1F500..1F53D	; Common # So	[62]	TWISTED RIGHTWARDS ARROWS..DOWN-POINTING SMALL RED TRIANGLE
1F540..1F543	; Common # So	[4]	CIRCLED CROSS POMMEE..NOTCHED LEFT SEMICIRCLE WITH THREE DOTS



1F550..1F567 ; Common # So [24] CLOCK FACE ONE OCLOCK..CLOCK FACE TWELVE-THIRTY  
 1F5FB..1F640 ; Common # So [70] MOUNT FUJI..WEARY CAT FACE  
 1F645..1F64F ; Common # So [11] FACE WITH NO GOOD GESTURE..PERSON WITH FOLDED HANDS  
 1F680..1F6C5 ; Common # So [70] ROCKET..LEFT LUGGAGE  
 1F700..1F773 ; Common # So [116] ALCHEMICAL SYMBOL FOR QUINTESSENCE..ALCHEMICAL SYMBOL  
 FOR HALF OUNCE  
 E0001 ; Common # Cf LANGUAGE TAG  
 E0020..E007F ; Common # Cf [96] TAG SPACE..CANCEL TAG

# Total code points: 6413

# =====

0041..005A ; Latin # L& [26] LATIN CAPITAL LETTER A..LATIN CAPITAL LETTER Z  
 0061..007A ; Latin # L& [26] LATIN SMALL LETTER A..LATIN SMALL LETTER Z  
 00AA ; Latin # Lo FEMININE ORDINAL INDICATOR  
 00BA ; Latin # Lo MASCULINE ORDINAL INDICATOR  
 00C0..00D6 ; Latin # L& [23] LATIN CAPITAL LETTER A WITH GRAVE..LATIN CAPITAL LETTER  
 O WITH DIAERESIS  
 00D8..00F6 ; Latin # L& [31] LATIN CAPITAL LETTER O WITH STROKE..LATIN SMALL LETTER  
 O WITH DIAERESIS  
 00F8..01BA ; Latin # L& [195] LATIN SMALL LETTER O WITH STROKE..LATIN SMALL LETTER  
 EZH WITH TAIL  
 01BB ; Latin # Lo LATIN LETTER TWO WITH STROKE  
 01BC..01BF ; Latin # L& [4] LATIN CAPITAL LETTER TONE FIVE..LATIN LETTER WYNN  
 01C0..01C3 ; Latin # Lo [4] LATIN LETTER DENTAL CLICK..LATIN LETTER RETROFLEX CLICK  
 01C4..0293 ; Latin # L& [208] LATIN CAPITAL LETTER DZ WITH CARON..LATIN SMALL LETTER  
 EZH WITH CURL  
 0294 ; Latin # Lo LATIN LETTER GLOTTAL STOP  
 0295..02AF ; Latin # L& [27] LATIN LETTER PHARYNGEAL VOICED FRICATIVE..LATIN SMALL  
 LETTER TURNED H WITH FISHHOOK AND TAIL  
 02B0..02B8 ; Latin # Lm [9] MODIFIER LETTER SMALL H..MODIFIER LETTER SMALL Y  
 02E0..02E4 ; Latin # Lm [5] MODIFIER LETTER SMALL GAMMA..MODIFIER LETTER SMALL  
 REVERSED GLOTTAL STOP  
 1D00..1D25 ; Latin # L& [38] LATIN LETTER SMALL CAPITAL A..LATIN LETTER AIN  
 1D2C..1D5C ; Latin # Lm [49] MODIFIER LETTER CAPITAL A..MODIFIER LETTER SMALL AIN



1D62..1D65	; Latin # Lm	[4]	LATIN SUBSCRIPT SMALL LETTER I..LATIN SUBSCRIPT SMALL LETTER V
1D6B..1D77	; Latin # L&	[13]	LATIN SMALL LETTER UE..LATIN SMALL LETTER TURNED G
1D79..1D9A	; Latin # L&	[34]	LATIN SMALL LETTER INSULAR G..LATIN SMALL LETTER EZH WITH RETROFLEX HOOK
1D9B..1DBE	; Latin # Lm	[36]	MODIFIER LETTER SMALL TURNED ALPHA..MODIFIER LETTER SMALL EZH
1E00..1EFF	; Latin # L&	[256]	LATIN CAPITAL LETTER A WITH RING BELOW..LATIN SMALL LETTER Y WITH LOOP
2071	; Latin # Lm		SUPERSCRIPIT LATIN SMALL LETTER I
207F	; Latin # Lm		SUPERSCRIPIT LATIN SMALL LETTER N
2090..209C	; Latin # Lm	[13]	LATIN SUBSCRIPT SMALL LETTER A..LATIN SUBSCRIPT SMALL LETTER T
212A..212B	; Latin # L&	[2]	KELVIN SIGN..ANGSTROM SIGN
2132	; Latin # L&		TURNED CAPITAL F
214E	; Latin # L&		TURNED SMALL F
2160..2182	; Latin # Nl	[35]	ROMAN NUMERAL ONE..ROMAN NUMERAL TEN THOUSAND
2183..2184 REVERSED C	; Latin # L&	[2]	ROMAN NUMERAL REVERSED ONE HUNDRED..LATIN SMALL LETTER REVERSED C
2185..2188 THOUSAND	; Latin # Nl	[4]	ROMAN NUMERAL SIX LATE FORM..ROMAN NUMERAL ONE HUNDRED THOUSAND
2C60..2C7B	; Latin # L&	[28]	LATIN CAPITAL LETTER L WITH DOUBLE BAR..LATIN LETTER SMALL CAPITAL TURNED E
2C7C..2C7D	; Latin # Lm	[2]	LATIN SUBSCRIPT SMALL LETTER J..MODIFIER LETTER CAPITAL V
2C7E..2C7F	; Latin # L&	[2]	LATIN CAPITAL LETTER S WITH SWASH TAIL..LATIN CAPITAL LETTER Z WITH SWASH TAIL
A722..A76F	; Latin # L&	[78]	LATIN CAPITAL LETTER EGYPTOLOGICAL ALEF..LATIN SMALL LETTER CON
A770	; Latin # Lm		MODIFIER LETTER US
A771..A787	; Latin # L&	[23]	LATIN SMALL LETTER DUM..LATIN SMALL LETTER INSULAR T
A78B..A78E	; Latin # L&	[4]	LATIN CAPITAL LETTER SALTILO..LATIN SMALL LETTER L WITH RETROFLEX HOOK AND BELT
A790..A793	; Latin # L&	[4]	LATIN CAPITAL LETTER N WITH DESCENDER..LATIN SMALL LETTER C WITH BAR
A7A0..A7AA	; Latin # L&	[11]	LATIN CAPITAL LETTER G WITH OBLIQUE STROKE..LATIN CAPITAL LETTER H WITH HOOK
A7F8..A7F9	; Latin # Lm	[2]	MODIFIER LETTER CAPITAL H WITH STROKE..MODIFIER LETTER SMALL LIGATURE OE
A7FA	; Latin # L&		LATIN LETTER SMALL CAPITAL TURNED M



A7FB..A7FF ; Latin # Lo [5] LATIN EPIGRAPHIC LETTER REVERSED F..LATIN EPIGRAPHIC LETTER ARCHAIC M

FB00..FB06 ; Latin # L& [7] LATIN SMALL LIGATURE FF..LATIN SMALL LIGATURE ST

FF21..FF3A ; Latin # L& [26] FULLWIDTH LATIN CAPITAL LETTER A..FULLWIDTH LATIN CAPITAL LETTER Z

FF41..FF5A ; Latin # L& [26] FULLWIDTH LATIN SMALL LETTER A..FULLWIDTH LATIN SMALL LETTER Z

# Total code points: 1272

# =====

0370..0373 ; Greek # L& [4] GREEK CAPITAL LETTER HETA..GREEK SMALL LETTER ARCHAIC SAMPI

0375 ; Greek # Sk GREEK LOWER NUMERAL SIGN

0376..0377 ; Greek # L& [2] GREEK CAPITAL LETTER PAMPHYLIAN DIGAMMA..GREEK SMALL LETTER PAMPHYLIAN DIGAMMA

037A ; Greek # Lm GREEK YPOGEGRAMMENI

037B..037D ; Greek # L& [3] GREEK SMALL REVERSED LUNATE SIGMA SYMBOL..GREEK SMALL REVERSED DOTTED LUNATE SIGMA SYMBOL

0384 ; Greek # Sk GREEK TONOS

0386 ; Greek # L& GREEK CAPITAL LETTER ALPHA WITH TONOS

0388..038A ; Greek # L& [3] GREEK CAPITAL LETTER EPSILON WITH TONOS..GREEK CAPITAL LETTER IOTA WITH TONOS

038C ; Greek # L& GREEK CAPITAL LETTER OMICRON WITH TONOS

038E..03A1 ; Greek # L& [20] GREEK CAPITAL LETTER UPSILON WITH TONOS..GREEK CAPITAL LETTER RHO

03A3..03E1 ; Greek # L& [63] GREEK CAPITAL LETTER SIGMA..GREEK SMALL LETTER SAMPI

03F0..03F5 ; Greek # L& [6] GREEK KAPPA SYMBOL..GREEK LUNATE EPSILON SYMBOL

03F6 ; Greek # Sm GREEK REVERSED LUNATE EPSILON SYMBOL

03F7..03FF ; Greek # L& [9] GREEK CAPITAL LETTER SHO..GREEK CAPITAL REVERSED DOTTED LUNATE SIGMA SYMBOL

1D26..1D2A ; Greek # L& [5] GREEK LETTER SMALL CAPITAL GAMMA..GREEK LETTER SMALL CAPITAL PSI

1D5D..1D61 ; Greek # Lm [5] MODIFIER LETTER SMALL BETA..MODIFIER LETTER SMALL CHI

1D66..1D6A ; Greek # Lm [5] GREEK SUBSCRIPT SMALL LETTER BETA..GREEK SUBSCRIPT SMALL LETTER CHI

1DBF ; Greek # Lm MODIFIER LETTER SMALL THETA



1F00..1F15 ; Greek # L& [22] GREEK SMALL LETTER ALPHA WITH PSILI..GREEK SMALL LETTER EPSILON WITH DASIA AND OXIA

1F18..1F1D ; Greek # L& [6] GREEK CAPITAL LETTER EPSILON WITH PSILI..GREEK CAPITAL LETTER EPSILON WITH DASIA AND OXIA

1F20..1F45 ; Greek # L& [38] GREEK SMALL LETTER ETA WITH PSILI..GREEK SMALL LETTER OMICRON WITH DASIA AND OXIA

1F48..1F4D ; Greek # L& [6] GREEK CAPITAL LETTER OMICRON WITH PSILI..GREEK CAPITAL LETTER OMICRON WITH DASIA AND OXIA

1F50..1F57 ; Greek # L& [8] GREEK SMALL LETTER UPSILON WITH PSILI..GREEK SMALL LETTER UPSILON WITH DASIA AND PERISPOMENI

1F59 ; Greek # L& GREEK CAPITAL LETTER UPSILON WITH DASIA

1F5B ; Greek # L& GREEK CAPITAL LETTER UPSILON WITH DASIA AND VARIA

1F5D ; Greek # L& GREEK CAPITAL LETTER UPSILON WITH DASIA AND OXIA

1F5F..1F7D ; Greek # L& [31] GREEK CAPITAL LETTER UPSILON WITH DASIA AND PERISPOMENI..GREEK SMALL LETTER OMEGA WITH OXIA

1F80..1FB4 ; Greek # L& [53] GREEK SMALL LETTER ALPHA WITH PSILI AND YPOGEGRAMMENI..GREEK SMALL LETTER ALPHA WITH OXIA AND YPOGEGRAMMENI

1FB6..1FBC ; Greek # L& [7] GREEK SMALL LETTER ALPHA WITH PERISPOMENI..GREEK CAPITAL LETTER ALPHA WITH PROSGEGRAMMENI

1FBD ; Greek # Sk GREEK KORONIS

1FBE ; Greek # L& GREEK PROSGEGRAMMENI

1FBF..1FC1 ; Greek # Sk [3] GREEK PSILI..GREEK DIALYTIKA AND PERISPOMENI

1FC2..1FC4 ; Greek # L& [3] GREEK SMALL LETTER ETA WITH VARIA AND YPOGEGRAMMENI..GREEK SMALL LETTER ETA WITH OXIA AND YPOGEGRAMMENI

1FC6..1FCC ; Greek # L& [7] GREEK SMALL LETTER ETA WITH PERISPOMENI..GREEK CAPITAL LETTER ETA WITH PROSGEGRAMMENI

1FCD..1FCF ; Greek # Sk [3] GREEK PSILI AND VARIA..GREEK PSILI AND PERISPOMENI

1FD0..1FD3 ; Greek # L& [4] GREEK SMALL LETTER IOTA WITH VRACHY..GREEK SMALL LETTER IOTA WITH DIALYTIKA AND OXIA

1FD6..1FDB ; Greek # L& [6] GREEK SMALL LETTER IOTA WITH PERISPOMENI..GREEK CAPITAL LETTER IOTA WITH OXIA

1FDD..1FDF ; Greek # Sk [3] GREEK DASIA AND VARIA..GREEK DASIA AND PERISPOMENI

1FE0..1FEC ; Greek # L& [13] GREEK SMALL LETTER UPSILON WITH VRACHY..GREEK CAPITAL LETTER RHO WITH DASIA

1FED..1FEF ; Greek # Sk [3] GREEK DIALYTIKA AND VARIA..GREEK VARIA

1FF2..1FF4 ; Greek # L& [3] GREEK SMALL LETTER OMEGA WITH VARIA AND YPOGEGRAMMENI..GREEK SMALL LETTER OMEGA WITH OXIA AND YPOGEGRAMMENI

1FF6..1FFC ; Greek # L& [7] GREEK SMALL LETTER OMEGA WITH PERISPOMENI..GREEK CAPITAL LETTER OMEGA WITH PROSGEGRAMMENI

1FFD..1FFE ; Greek # Sk [2] GREEK OXIA..GREEK DASIA



2126 ; Greek # L& OHM SIGN

10140..10174 ; Greek # Nl [53] GREEK ACROPHONIC ATTIC ONE QUARTER..GREEK ACROPHONIC STRATIAN FIFTY MNAS

10175..10178 ; Greek # No [4] GREEK ONE HALF SIGN..GREEK THREE QUARTERS SIGN

10179..10189 ; Greek # So [17] GREEK YEAR SIGN..GREEK TRYBLION BASE SIGN

1018A ; Greek # No GREEK ZERO SIGN

1D200..1D241 ; Greek # So [66] GREEK VOCAL NOTATION SYMBOL-1..GREEK INSTRUMENTAL NOTATION SYMBOL-54

1D242..1D244 ; Greek # Mn [3] COMBINING GREEK MUSICAL TRISEME..COMBINING GREEK MUSICAL PENTASEME

1D245 ; Greek # So GREEK MUSICAL LEIMMA

# Total code points: 511

# =====

0400..0481 ; Cyrillic # L& [130] CYRILLIC CAPITAL LETTER IE WITH GRAVE..CYRILLIC SMALL LETTER KOPPA

0482 ; Cyrillic # So CYRILLIC THOUSANDS SIGN

0483..0484 ; Cyrillic # Mn [2] COMBINING CYRILLIC TITLO..COMBINING CYRILLIC PALATALIZATION

0487 ; Cyrillic # Mn COMBINING CYRILLIC POKRYTIE

0488..0489 ; Cyrillic # Me [2] COMBINING CYRILLIC HUNDRED THOUSANDS SIGN..COMBINING CYRILLIC MILLIONS SIGN

048A..0527 ; Cyrillic # L& [158] CYRILLIC CAPITAL LETTER SHORT I WITH TAIL..CYRILLIC SMALL LETTER SHHA WITH DESCENDER

1D2B ; Cyrillic # L& CYRILLIC LETTER SMALL CAPITAL EL

1D78 ; Cyrillic # Lm MODIFIER LETTER CYRILLIC EN

2DE0..2DFF ; Cyrillic # Mn [32] COMBINING CYRILLIC LETTER BE..COMBINING CYRILLIC LETTER IOTIFIED BIG YUS

A640..A66D ; Cyrillic # L& [46] CYRILLIC CAPITAL LETTER ZEMLYA..CYRILLIC SMALL LETTER DOUBLE MONOCULAR O

A66E ; Cyrillic # Lo CYRILLIC LETTER MULTILOCULAR O

A66F ; Cyrillic # Mn COMBINING CYRILLIC VZMET

A670..A672 ; Cyrillic # Me [3] COMBINING CYRILLIC TEN MILLIONS SIGN..COMBINING CYRILLIC THOUSAND MILLIONS SIGN

A673 ; Cyrillic # Po SLAVONIC ASTERISK

A674..A67D ; Cyrillic # Mn [10] COMBINING CYRILLIC LETTER UKRAINIAN IE..COMBINING CYRILLIC PAYEROK



A67E	; Cyrillic # Po	CYRILLIC KAVYKA
A67F	; Cyrillic # Lm	CYRILLIC PAYEROK
A680..A697	; Cyrillic # L&	[24] CYRILLIC CAPITAL LETTER DWE..CYRILLIC SMALL LETTER SHWE
A69F	; Cyrillic # Mn	COMBINING CYRILLIC LETTER IOTIFIED E

# Total code points: 417

# =====

0531..0556	; Armenian # L&	[38] ARMENIAN CAPITAL LETTER AYB..ARMENIAN CAPITAL LETTER FEH
0559	; Armenian # Lm	ARMENIAN MODIFIER LETTER LEFT HALF RING
055A..055F	; Armenian # Po	[6] ARMENIAN APOSTROPHE..ARMENIAN ABBREVIATION MARK
0561..0587	; Armenian # L&	[39] ARMENIAN SMALL LETTER AYB..ARMENIAN SMALL LIGATURE ECH YIWN
058A	; Armenian # Pd	ARMENIAN HYPHEN
058F	; Armenian # Sc	ARMENIAN DRAM SIGN
FB13..FB17	; Armenian # L&	[5] ARMENIAN SMALL LIGATURE MEN NOW..ARMENIAN SMALL LIGATURE MEN XEH

# Total code points: 91

# =====

0591..05BD	; Hebrew # Mn	[45] HEBREW ACCENT ETNAHTA..HEBREW POINT METEG
05BE	; Hebrew # Pd	HEBREW PUNCTUATION MAQAF
05BF	; Hebrew # Mn	HEBREW POINT RAFE
05C0	; Hebrew # Po	HEBREW PUNCTUATION PASEQ
05C1..05C2	; Hebrew # Mn	[2] HEBREW POINT SHIN DOT..HEBREW POINT SIN DOT
05C3	; Hebrew # Po	HEBREW PUNCTUATION SOF PASUQ
05C4..05C5	; Hebrew # Mn	[2] HEBREW MARK UPPER DOT..HEBREW MARK LOWER DOT
05C6	; Hebrew # Po	HEBREW PUNCTUATION NUN HAFUKHA
05C7	; Hebrew # Mn	HEBREW POINT QAMATS QATAN
05D0..05EA	; Hebrew # Lo	[27] HEBREW LETTER ALEF..HEBREW LETTER TAV





05F0..05F2	; Hebrew # Lo	[3]	HEBREW LIGATURE YIDDISH DOUBLE VAV..HEBREW LIGATURE YIDDISH DOUBLE YOD
05F3..05F4	; Hebrew # Po	[2]	HEBREW PUNCTUATION GERESH..HEBREW PUNCTUATION GERSHAYIM
FB1D	; Hebrew # Lo		HEBREW LETTER YOD WITH HIRIQ
FB1E	; Hebrew # Mn		HEBREW POINT JUDEO-SPANISH VARIKA
FB1F..FB28	; Hebrew # Lo	[10]	HEBREW LIGATURE YIDDISH YOD YOD PATAH..HEBREW LETTER WIDE TAV
FB29	; Hebrew # Sm		HEBREW LETTER ALTERNATIVE PLUS SIGN
FB2A..FB36	; Hebrew # Lo	[13]	HEBREW LETTER SHIN WITH SHIN DOT..HEBREW LETTER ZAYIN WITH DAGESH
FB38..FB3C	; Hebrew # Lo	[5]	HEBREW LETTER TET WITH DAGESH..HEBREW LETTER LAMED WITH DAGESH
FB3E	; Hebrew # Lo		HEBREW LETTER MEM WITH DAGESH
FB40..FB41	; Hebrew # Lo	[2]	HEBREW LETTER NUN WITH DAGESH..HEBREW LETTER SAMEKH WITH DAGESH
FB43..FB44	; Hebrew # Lo	[2]	HEBREW LETTER FINAL PE WITH DAGESH..HEBREW LETTER PE WITH DAGESH
FB46..FB4F	; Hebrew # Lo	[10]	HEBREW LETTER TSADI WITH DAGESH..HEBREW LIGATURE ALEF LAMED

# Total code points: 133

# =====

0600..0604	; Arabic # Cf	[5]	ARABIC NUMBER SIGN..ARABIC SIGN SAMVAT
0606..0608	; Arabic # Sm	[3]	ARABIC-INDIC CUBE ROOT..ARABIC RAY
0609..060A	; Arabic # Po	[2]	ARABIC-INDIC PER MILLE SIGN..ARABIC-INDIC PER TEN THOUSAND SIGN
060B	; Arabic # Sc		AFGHANI SIGN
060D	; Arabic # Po		ARABIC DATE SEPARATOR
060E..060F	; Arabic # So	[2]	ARABIC POETIC VERSE SIGN..ARABIC SIGN MISRA
0610..061A	; Arabic # Mn	[11]	ARABIC SIGN SALLALLAHOU ALAYHE WASSALLAM..ARABIC SMALL KASRA
061E	; Arabic # Po		ARABIC TRIPLE DOT PUNCTUATION MARK
0620..063F	; Arabic # Lo	[32]	ARABIC LETTER KASHMIRI YEH..ARABIC LETTER FARSI YEH WITH THREE DOTS ABOVE
0641..064A	; Arabic # Lo	[10]	ARABIC LETTER FEH..ARABIC LETTER YEH
0656..065F	; Arabic # Mn	[10]	ARABIC SUBSCRIPT ALEF..ARABIC WAVY HAMZA BELOW



066A..066D	; Arabic # Po	[4]	ARABIC PERCENT SIGN..ARABIC FIVE POINTED STAR
066E..066F	; Arabic # Lo	[2]	ARABIC LETTER DOTLESS BEH..ARABIC LETTER DOTLESS QAF
0671..06D3	; Arabic # Lo	[99]	ARABIC LETTER ALEF WASLA..ARABIC LETTER YEH BARREE WITH HAMZA ABOVE
06D4	; Arabic # Po		ARABIC FULL STOP
06D5	; Arabic # Lo		ARABIC LETTER AE
06D6..06DC	; Arabic # Mn	[7]	ARABIC SMALL HIGH LIGATURE SAD WITH LAM WITH ALEF MAKSURA..ARABIC SMALL HIGH SEEN
06DE	; Arabic # So		ARABIC START OF RUB EL HIZB
06DF..06E4	; Arabic # Mn	[6]	ARABIC SMALL HIGH ROUNDED ZERO..ARABIC SMALL HIGH MADDA
06E5..06E6	; Arabic # Lm	[2]	ARABIC SMALL WAW..ARABIC SMALL YEH
06E7..06E8	; Arabic # Mn	[2]	ARABIC SMALL HIGH YEH..ARABIC SMALL HIGH NOON
06E9	; Arabic # So		ARABIC PLACE OF SAJDAH
06EA..06ED	; Arabic # Mn	[4]	ARABIC EMPTY CENTRE LOW STOP..ARABIC SMALL LOW MEEM
06EE..06EF	; Arabic # Lo	[2]	ARABIC LETTER DAL WITH INVERTED V..ARABIC LETTER REH WITH INVERTED V
06F0..06F9	; Arabic # Nd	[10]	EXTENDED ARABIC-INDIC DIGIT ZERO..EXTENDED ARABIC-INDIC DIGIT NINE
06FA..06FC	; Arabic # Lo	[3]	ARABIC LETTER SHEEN WITH DOT BELOW..ARABIC LETTER GHAIN WITH DOT BELOW
06FD..06FE	; Arabic # So	[2]	ARABIC SIGN SINDHI AMPERSAND..ARABIC SIGN SINDHI POSTPOSITION MEN
06FF	; Arabic # Lo		ARABIC LETTER HEH WITH INVERTED V
0750..077F	; Arabic # Lo	[48]	ARABIC LETTER BEH WITH THREE DOTS HORIZONTALLY BELOW..ARABIC LETTER KAF WITH TWO DOTS ABOVE
08A0	; Arabic # Lo		ARABIC LETTER BEH WITH SMALL V BELOW
08A2..08AC	; Arabic # Lo	[11]	ARABIC LETTER JEEM WITH TWO DOTS ABOVE..ARABIC LETTER ROHINGYA YEH
08E4..08FE	; Arabic # Mn	[27]	ARABIC CURLY FATHA..ARABIC DAMMA WITH DOT
FB50..FBB1	; Arabic # Lo	[98]	ARABIC LETTER ALEF WASLA ISOLATED FORM..ARABIC LETTER YEH BARREE WITH HAMZA ABOVE FINAL FORM
FBB2..FBC1	; Arabic # Sk	[16]	ARABIC SYMBOL DOT ABOVE..ARABIC SYMBOL SMALL TAH BELOW
FBD3..FD3D	; Arabic # Lo	[363]	ARABIC LETTER NG ISOLATED FORM..ARABIC LIGATURE ALEF WITH FATHATAN ISOLATED FORM
FD50..FD8F	; Arabic # Lo	[64]	ARABIC LIGATURE TEH WITH JEEM WITH MEEM INITIAL FORM..ARABIC LIGATURE MEEM WITH KHAH WITH MEEM INITIAL FORM
FD92..FDC7	; Arabic # Lo	[54]	ARABIC LIGATURE MEEM WITH JEEM WITH KHAH INITIAL FORM..ARABIC LIGATURE NOON WITH JEEM WITH YEH FINAL FORM



FDF0..FDFB	; Arabic # Lo	[12]	ARABIC LIGATURE SALLA USED AS KORANIC STOP SIGN ISOLATED FORM..ARABIC LIGATURE JALLAJALALOUHOU
FDFC	; Arabic # Sc		RIAL SIGN
FE70..FE74	; Arabic # Lo	[5]	ARABIC FATHATAN ISOLATED FORM..ARABIC KASRATAN ISOLATED FORM
FE76..FEFC	; Arabic # Lo	[135]	ARABIC FATHA ISOLATED FORM..ARABIC LIGATURE LAM WITH ALEF FINAL FORM
10E60..10E7E	; Arabic # No	[31]	RUMI DIGIT ONE..RUMI FRACTION TWO THIRDS
1EE00..1EE03	; Arabic # Lo	[4]	ARABIC MATHEMATICAL ALEF..ARABIC MATHEMATICAL DAL
1EE05..1EE1F	; Arabic # Lo	[27]	ARABIC MATHEMATICAL WAW..ARABIC MATHEMATICAL DOTLESS QAF
1EE21..1EE22	; Arabic # Lo	[2]	ARABIC MATHEMATICAL INITIAL BEH..ARABIC MATHEMATICAL INITIAL JEEM
1EE24	; Arabic # Lo		ARABIC MATHEMATICAL INITIAL HEH
1EE27	; Arabic # Lo		ARABIC MATHEMATICAL INITIAL HAH
1EE29..1EE32	; Arabic # Lo	[10]	ARABIC MATHEMATICAL INITIAL YEH..ARABIC MATHEMATICAL INITIAL QAF
1EE34..1EE37	; Arabic # Lo	[4]	ARABIC MATHEMATICAL INITIAL SHEEN..ARABIC MATHEMATICAL INITIAL KHAH
1EE39	; Arabic # Lo		ARABIC MATHEMATICAL INITIAL DAD
1EE3B	; Arabic # Lo		ARABIC MATHEMATICAL INITIAL GHAIN
1EE42	; Arabic # Lo		ARABIC MATHEMATICAL TAILED JEEM
1EE47	; Arabic # Lo		ARABIC MATHEMATICAL TAILED HAH
1EE49	; Arabic # Lo		ARABIC MATHEMATICAL TAILED YEH
1EE4B	; Arabic # Lo		ARABIC MATHEMATICAL TAILED LAM
1EE4D..1EE4F	; Arabic # Lo	[3]	ARABIC MATHEMATICAL TAILED NOON..ARABIC MATHEMATICAL TAILED AIN
1EE51..1EE52	; Arabic # Lo	[2]	ARABIC MATHEMATICAL TAILED SAD..ARABIC MATHEMATICAL TAILED QAF
1EE54	; Arabic # Lo		ARABIC MATHEMATICAL TAILED SHEEN
1EE57	; Arabic # Lo		ARABIC MATHEMATICAL TAILED KHAH
1EE59	; Arabic # Lo		ARABIC MATHEMATICAL TAILED DAD
1EE5B	; Arabic # Lo		ARABIC MATHEMATICAL TAILED GHAIN
1EE5D	; Arabic # Lo		ARABIC MATHEMATICAL TAILED DOTLESS NOON
1EE5F	; Arabic # Lo		ARABIC MATHEMATICAL TAILED DOTLESS QAF
1EE61..1EE62	; Arabic # Lo	[2]	ARABIC MATHEMATICAL STRETCHED BEH..ARABIC MATHEMATICAL STRETCHED JEEM
1EE64	; Arabic # Lo		ARABIC MATHEMATICAL STRETCHED HEH



1EE67..1EE6A ; Arabic # Lo [4] ARABIC MATHEMATICAL STRETCHED HAH..ARABIC MATHEMATICAL STRETCHED KAF

1EE6C..1EE72 ; Arabic # Lo [7] ARABIC MATHEMATICAL STRETCHED MEEM..ARABIC MATHEMATICAL STRETCHED QAF

1EE74..1EE77 ; Arabic # Lo [4] ARABIC MATHEMATICAL STRETCHED SHEEN..ARABIC MATHEMATICAL STRETCHED KHAH

1EE79..1EE7C ; Arabic # Lo [4] ARABIC MATHEMATICAL STRETCHED DAD..ARABIC MATHEMATICAL STRETCHED DOTLESS BEH

1EE7E ; Arabic # Lo ARABIC MATHEMATICAL STRETCHED DOTLESS FEH

1EE80..1EE89 ; Arabic # Lo [10] ARABIC MATHEMATICAL LOOPED ALEF..ARABIC MATHEMATICAL LOOPED YEH

1EE8B..1EE9B ; Arabic # Lo [17] ARABIC MATHEMATICAL LOOPED LAM..ARABIC MATHEMATICAL LOOPED GHAIN

1EEA1..1EEA3 ; Arabic # Lo [3] ARABIC MATHEMATICAL DOUBLE-STRUCK BEH..ARABIC MATHEMATICAL DOUBLE-STRUCK DAL

1EEA5..1EEA9 ; Arabic # Lo [5] ARABIC MATHEMATICAL DOUBLE-STRUCK WAW..ARABIC MATHEMATICAL DOUBLE-STRUCK YEH

1EEAB..1EEBB ; Arabic # Lo [17] ARABIC MATHEMATICAL DOUBLE-STRUCK LAM..ARABIC MATHEMATICAL DOUBLE-STRUCK GHAIN

1EEF0..1EEF1 ; Arabic # Sm [2] ARABIC MATHEMATICAL OPERATOR MEEM WITH HAH WITH TATWEEL..ARABIC MATHEMATICAL OPERATOR HAH WITH DAL

# Total code points: 1235

# =====

0700..070D ; Syriac # Po [14] SYRIAC END OF PARAGRAPH..SYRIAC HARKLEAN ASTERISCUS

070F ; Syriac # Cf SYRIAC ABBREVIATION MARK

0710 ; Syriac # Lo SYRIAC LETTER ALAPH

0711 ; Syriac # Mn SYRIAC LETTER SUPERSCRIPT ALAPH

0712..072F ; Syriac # Lo [30] SYRIAC LETTER BETH..SYRIAC LETTER PERSIAN DHALATH

0730..074A ; Syriac # Mn [27] SYRIAC PTHAHA ABOVE..SYRIAC BARREKH

074D..074F ; Syriac # Lo [3] SYRIAC LETTER SOGDIAN ZHAIN..SYRIAC LETTER SOGDIAN FE

# Total code points: 77

# =====



0780..07A5 ; Thaana # Lo [38] THAANA LETTER HAA..THAANA LETTER WAAVU  
07A6..07B0 ; Thaana # Mn [11] THAANA ABAFILI..THAANA SUKUN  
07B1 ; Thaana # Lo THAANA LETTER NAA

# Total code points: 50

# =====

0900..0902 ; Devanagari # Mn [3] DEVANAGARI SIGN INVERTED CANDRABINDU..DEVANAGARI SIGN ANUSVARA  
0903 ; Devanagari # Mc DEVANAGARI SIGN VISARGA  
0904..0939 ; Devanagari # Lo [54] DEVANAGARI LETTER SHORT A..DEVANAGARI LETTER HA  
093A ; Devanagari # Mn DEVANAGARI VOWEL SIGN OE  
093B ; Devanagari # Mc DEVANAGARI VOWEL SIGN OOE  
093C ; Devanagari # Mn DEVANAGARI SIGN NUKTA  
093D ; Devanagari # Lo DEVANAGARI SIGN AVAGRAHA  
093E..0940 ; Devanagari # Mc [3] DEVANAGARI VOWEL SIGN AA..DEVANAGARI VOWEL SIGN II  
0941..0948 ; Devanagari # Mn [8] DEVANAGARI VOWEL SIGN U..DEVANAGARI VOWEL SIGN AI  
0949..094C ; Devanagari # Mc [4] DEVANAGARI VOWEL SIGN CANDRA O..DEVANAGARI VOWEL SIGN AU  
094D ; Devanagari # Mn DEVANAGARI SIGN VIRAMA  
094E..094F ; Devanagari # Mc [2] DEVANAGARI VOWEL SIGN PRISHTHAMATRA E..DEVANAGARI VOWEL SIGN AW  
0950 ; Devanagari # Lo DEVANAGARI OM  
0953..0957 ; Devanagari # Mn [5] DEVANAGARI GRAVE ACCENT..DEVANAGARI VOWEL SIGN UUE  
0958..0961 ; Devanagari # Lo [10] DEVANAGARI LETTER QA..DEVANAGARI LETTER VOCALIC LL  
0962..0963 ; Devanagari # Mn [2] DEVANAGARI VOWEL SIGN VOCALIC L..DEVANAGARI VOWEL SIGN VOCALIC LL  
0966..096F ; Devanagari # Nd [10] DEVANAGARI DIGIT ZERO..DEVANAGARI DIGIT NINE  
0970 ; Devanagari # Po DEVANAGARI ABBREVIATION SIGN  
0971 ; Devanagari # Lm DEVANAGARI SIGN HIGH SPACING DOT  
0972..0977 ; Devanagari # Lo [6] DEVANAGARI LETTER CANDRA A..DEVANAGARI LETTER UUE  
0979..097F ; Devanagari # Lo [7] DEVANAGARI LETTER ZHA..DEVANAGARI LETTER BBA  
A8E0..A8F1 ; Devanagari # Mn [18] COMBINING DEVANAGARI DIGIT ZERO..COMBINING DEVANAGARI SIGN AVAGRAHA



A8F2..A8F7 ; Devanagari # Lo [6] DEVANAGARI SIGN SPACING CANDRABINDU..DEVANAGARI SIGN CANDRABINDU AVAGRAHA

A8F8..A8FA ; Devanagari # Po [3] DEVANAGARI SIGN PUSHPIKA..DEVANAGARI CARET

A8FB ; Devanagari # Lo DEVANAGARI HEADSTROKE

# Total code points: 151

# =====

0981 ; Bengali # Mn BENGALI SIGN CANDRABINDU

0982..0983 ; Bengali # Mc [2] BENGALI SIGN ANUSVARA..BENGALI SIGN VISARGA

0985..098C ; Bengali # Lo [8] BENGALI LETTER A..BENGALI LETTER VOCALIC L

098F..0990 ; Bengali # Lo [2] BENGALI LETTER E..BENGALI LETTER AI

0993..09A8 ; Bengali # Lo [22] BENGALI LETTER O..BENGALI LETTER NA

09AA..09B0 ; Bengali # Lo [7] BENGALI LETTER PA..BENGALI LETTER RA

09B2 ; Bengali # Lo BENGALI LETTER LA

09B6..09B9 ; Bengali # Lo [4] BENGALI LETTER SHA..BENGALI LETTER HA

09BC ; Bengali # Mn BENGALI SIGN NUKTA

09BD ; Bengali # Lo BENGALI SIGN AVAGRAHA

09BE..09C0 ; Bengali # Mc [3] BENGALI VOWEL SIGN AA..BENGALI VOWEL SIGN II

09C1..09C4 ; Bengali # Mn [4] BENGALI VOWEL SIGN U..BENGALI VOWEL SIGN VOCALIC RR

09C7..09C8 ; Bengali # Mc [2] BENGALI VOWEL SIGN E..BENGALI VOWEL SIGN AI

09CB..09CC ; Bengali # Mc [2] BENGALI VOWEL SIGN O..BENGALI VOWEL SIGN AU

09CD ; Bengali # Mn BENGALI SIGN VIRAMA

09CE ; Bengali # Lo BENGALI LETTER KHANDA TA

09D7 ; Bengali # Mc BENGALI AU LENGTH MARK

09DC..09DD ; Bengali # Lo [2] BENGALI LETTER RRA..BENGALI LETTER RHA

09DF..09E1 ; Bengali # Lo [3] BENGALI LETTER YYA..BENGALI LETTER VOCALIC LL

09E2..09E3 ; Bengali # Mn [2] BENGALI VOWEL SIGN VOCALIC L..BENGALI VOWEL SIGN VOCALIC LL

09E6..09EF ; Bengali # Nd [10] BENGALI DIGIT ZERO..BENGALI DIGIT NINE

09F0..09F1 ; Bengali # Lo [2] BENGALI LETTER RA WITH MIDDLE DIAGONAL..BENGALI LETTER RA WITH LOWER DIAGONAL

09F2..09F3 ; Bengali # Sc [2] BENGALI RUPEE MARK..BENGALI RUPEE SIGN

09F4..09F9 ; Bengali # No [6] BENGALI CURRENCY NUMERATOR ONE..BENGALI CURRENCY DENOMINATOR SIXTEEN



09FA ; Bengali # So BENGALI ISSHAR  
09FB ; Bengali # Sc BENGALI GANDA MARK

# Total code points: 92

# =====

0A01..0A02 ; Gurmukhi # Mn [2] GURMUKHI SIGN ADAK BINDI..GURMUKHI SIGN BINDI  
0A03 ; Gurmukhi # Mc GURMUKHI SIGN VISARGA  
0A05..0A0A ; Gurmukhi # Lo [6] GURMUKHI LETTER A..GURMUKHI LETTER UU  
0A0F..0A10 ; Gurmukhi # Lo [2] GURMUKHI LETTER EE..GURMUKHI LETTER AI  
0A13..0A28 ; Gurmukhi # Lo [22] GURMUKHI LETTER OO..GURMUKHI LETTER NA  
0A2A..0A30 ; Gurmukhi # Lo [7] GURMUKHI LETTER PA..GURMUKHI LETTER RA  
0A32..0A33 ; Gurmukhi # Lo [2] GURMUKHI LETTER LA..GURMUKHI LETTER LLA  
0A35..0A36 ; Gurmukhi # Lo [2] GURMUKHI LETTER VA..GURMUKHI LETTER SHA  
0A38..0A39 ; Gurmukhi # Lo [2] GURMUKHI LETTER SA..GURMUKHI LETTER HA  
0A3C ; Gurmukhi # Mn GURMUKHI SIGN NUKTA  
0A3E..0A40 ; Gurmukhi # Mc [3] GURMUKHI VOWEL SIGN AA..GURMUKHI VOWEL SIGN II  
0A41..0A42 ; Gurmukhi # Mn [2] GURMUKHI VOWEL SIGN U..GURMUKHI VOWEL SIGN UU  
0A47..0A48 ; Gurmukhi # Mn [2] GURMUKHI VOWEL SIGN EE..GURMUKHI VOWEL SIGN AI  
0A4B..0A4D ; Gurmukhi # Mn [3] GURMUKHI VOWEL SIGN OO..GURMUKHI SIGN VIRAMA  
0A51 ; Gurmukhi # Mn GURMUKHI SIGN UDAAT  
0A59..0A5C ; Gurmukhi # Lo [4] GURMUKHI LETTER KHHA..GURMUKHI LETTER RRA  
0A5E ; Gurmukhi # Lo GURMUKHI LETTER FA  
0A66..0A6F ; Gurmukhi # Nd [10] GURMUKHI DIGIT ZERO..GURMUKHI DIGIT NINE  
0A70..0A71 ; Gurmukhi # Mn [2] GURMUKHI TIPPI..GURMUKHI ADDAK  
0A72..0A74 ; Gurmukhi # Lo [3] GURMUKHI IRI..GURMUKHI EK ONKAR  
0A75 ; Gurmukhi # Mn GURMUKHI SIGN YAKASH

# Total code points: 79

# =====

0A81..0A82 ; Gujarati # Mn [2] GUJARATI SIGN CANDRABINDU..GUJARATI SIGN ANUSVARA



0A83	; Gujarati # Mc	GUJARATI SIGN VISARGA
0A85..0A8D	; Gujarati # Lo	[9] GUJARATI LETTER A..GUJARATI VOWEL CANDRA E
0A8F..0A91	; Gujarati # Lo	[3] GUJARATI LETTER E..GUJARATI VOWEL CANDRA O
0A93..0AA8	; Gujarati # Lo	[22] GUJARATI LETTER O..GUJARATI LETTER NA
0AAA..0AB0	; Gujarati # Lo	[7] GUJARATI LETTER PA..GUJARATI LETTER RA
0AB2..0AB3	; Gujarati # Lo	[2] GUJARATI LETTER LA..GUJARATI LETTER LLA
0AB5..0AB9	; Gujarati # Lo	[5] GUJARATI LETTER VA..GUJARATI LETTER HA
0ABC	; Gujarati # Mn	GUJARATI SIGN NUKTA
0ABD	; Gujarati # Lo	GUJARATI SIGN AVAGRAHA
0ABE..0AC0	; Gujarati # Mc	[3] GUJARATI VOWEL SIGN AA..GUJARATI VOWEL SIGN II
0AC1..0AC5	; Gujarati # Mn	[5] GUJARATI VOWEL SIGN U..GUJARATI VOWEL SIGN CANDRA E
0AC7..0AC8	; Gujarati # Mn	[2] GUJARATI VOWEL SIGN E..GUJARATI VOWEL SIGN AI
0AC9	; Gujarati # Mc	GUJARATI VOWEL SIGN CANDRA O
0ACB..0ACC	; Gujarati # Mc	[2] GUJARATI VOWEL SIGN O..GUJARATI VOWEL SIGN AU
0ACD	; Gujarati # Mn	GUJARATI SIGN VIRAMA
0AD0	; Gujarati # Lo	GUJARATI OM
0AE0..0AE1 LL	; Gujarati # Lo	[2] GUJARATI LETTER VOCALIC RR..GUJARATI LETTER VOCALIC LL
0AE2..0AE3 VOCALIC LL	; Gujarati # Mn	[2] GUJARATI VOWEL SIGN VOCALIC L..GUJARATI VOWEL SIGN
0AE6..0AEF	; Gujarati # Nd	[10] GUJARATI DIGIT ZERO..GUJARATI DIGIT NINE
0AF0	; Gujarati # Po	GUJARATI ABBREVIATION SIGN
0AF1	; Gujarati # Sc	GUJARATI RUPEE SIGN

# Total code points: 84

# =====

0B01	; Oriya # Mn	ORIYA SIGN CANDRABINDU
0B02..0B03	; Oriya # Mc	[2] ORIYA SIGN ANUSVARA..ORIYA SIGN VISARGA
0B05..0B0C	; Oriya # Lo	[8] ORIYA LETTER A..ORIYA LETTER VOCALIC L
0B0F..0B10	; Oriya # Lo	[2] ORIYA LETTER E..ORIYA LETTER AI
0B13..0B28	; Oriya # Lo	[22] ORIYA LETTER O..ORIYA LETTER NA
0B2A..0B30	; Oriya # Lo	[7] ORIYA LETTER PA..ORIYA LETTER RA
0B32..0B33	; Oriya # Lo	[2] ORIYA LETTER LA..ORIYA LETTER LLA





0B35..0B39	; Oriya # Lo	[5] ORIYA LETTER VA..ORIYA LETTER HA
0B3C	; Oriya # Mn	ORIYA SIGN NUKTA
0B3D	; Oriya # Lo	ORIYA SIGN AVAGRAHA
0B3E	; Oriya # Mc	ORIYA VOWEL SIGN AA
0B3F	; Oriya # Mn	ORIYA VOWEL SIGN I
0B40	; Oriya # Mc	ORIYA VOWEL SIGN II
0B41..0B44	; Oriya # Mn	[4] ORIYA VOWEL SIGN U..ORIYA VOWEL SIGN VOCALIC RR
0B47..0B48	; Oriya # Mc	[2] ORIYA VOWEL SIGN E..ORIYA VOWEL SIGN AI
0B4B..0B4C	; Oriya # Mc	[2] ORIYA VOWEL SIGN O..ORIYA VOWEL SIGN AU
0B4D	; Oriya # Mn	ORIYA SIGN VIRAMA
0B56	; Oriya # Mn	ORIYA AI LENGTH MARK
0B57	; Oriya # Mc	ORIYA AU LENGTH MARK
0B5C..0B5D	; Oriya # Lo	[2] ORIYA LETTER RRA..ORIYA LETTER RHA
0B5F..0B61	; Oriya # Lo	[3] ORIYA LETTER YYA..ORIYA LETTER VOCALIC LL
0B62..0B63	; Oriya # Mn	[2] ORIYA VOWEL SIGN VOCALIC L..ORIYA VOWEL SIGN VOCALIC LL
0B66..0B6F	; Oriya # Nd	[10] ORIYA DIGIT ZERO..ORIYA DIGIT NINE
0B70	; Oriya # So	ORIYA ISSHAR
0B71	; Oriya # Lo	ORIYA LETTER WA
0B72..0B77 SIXTEENTHS	; Oriya # No	[6] ORIYA FRACTION ONE QUARTER..ORIYA FRACTION THREE

# Total code points: 90

# =====

0B82	; Tamil # Mn	TAMIL SIGN ANUSVARA
0B83	; Tamil # Lo	TAMIL SIGN VISARGA
0B85..0B8A	; Tamil # Lo	[6] TAMIL LETTER A..TAMIL LETTER UU
0B8E..0B90	; Tamil # Lo	[3] TAMIL LETTER E..TAMIL LETTER AI
0B92..0B95	; Tamil # Lo	[4] TAMIL LETTER O..TAMIL LETTER KA
0B99..0B9A	; Tamil # Lo	[2] TAMIL LETTER NGA..TAMIL LETTER CA
0B9C	; Tamil # Lo	TAMIL LETTER JA
0B9E..0B9F	; Tamil # Lo	[2] TAMIL LETTER NYA..TAMIL LETTER TTA
0BA3..0BA4	; Tamil # Lo	[2] TAMIL LETTER NNA..TAMIL LETTER TA



OBA8..OBAA	; Tamil # Lo	[3] TAMIL LETTER NA..TAMIL LETTER PA
OBAE..OBB9	; Tamil # Lo	[12] TAMIL LETTER MA..TAMIL LETTER HA
OBBE..OBBF	; Tamil # Mc	[2] TAMIL VOWEL SIGN AA..TAMIL VOWEL SIGN I
OBC0	; Tamil # Mn	TAMIL VOWEL SIGN II
OBC1..OBC2	; Tamil # Mc	[2] TAMIL VOWEL SIGN U..TAMIL VOWEL SIGN UU
OBC6..OBC8	; Tamil # Mc	[3] TAMIL VOWEL SIGN E..TAMIL VOWEL SIGN AI
OBCA..OBCC	; Tamil # Mc	[3] TAMIL VOWEL SIGN O..TAMIL VOWEL SIGN AU
OBCD	; Tamil # Mn	TAMIL SIGN VIRAMA
OBD0	; Tamil # Lo	TAMIL OM
OBD7	; Tamil # Mc	TAMIL AU LENGTH MARK
OBE6..OBEF	; Tamil # Nd	[10] TAMIL DIGIT ZERO..TAMIL DIGIT NINE
OBF0..OBF2	; Tamil # No	[3] TAMIL NUMBER TEN..TAMIL NUMBER ONE THOUSAND
OBF3..OBF8	; Tamil # So	[6] TAMIL DAY SIGN..TAMIL AS ABOVE SIGN
OBF9	; Tamil # Sc	TAMIL RUPEE SIGN
OBFA	; Tamil # So	TAMIL NUMBER SIGN

# Total code points: 72

# =====

OC01..OC03	; Telugu # Mc	[3] TELUGU SIGN CANDRABINDU..TELUGU SIGN VISARGA
OC05..OC0C	; Telugu # Lo	[8] TELUGU LETTER A..TELUGU LETTER VOCALIC L
OC0E..OC10	; Telugu # Lo	[3] TELUGU LETTER E..TELUGU LETTER AI
OC12..OC28	; Telugu # Lo	[23] TELUGU LETTER O..TELUGU LETTER NA
OC2A..OC33	; Telugu # Lo	[10] TELUGU LETTER PA..TELUGU LETTER LLA
OC35..OC39	; Telugu # Lo	[5] TELUGU LETTER VA..TELUGU LETTER HA
OC3D	; Telugu # Lo	TELUGU SIGN AVAGRAHA
OC3E..OC40	; Telugu # Mn	[3] TELUGU VOWEL SIGN AA..TELUGU VOWEL SIGN II
OC41..OC44	; Telugu # Mc	[4] TELUGU VOWEL SIGN U..TELUGU VOWEL SIGN VOCALIC RR
OC46..OC48	; Telugu # Mn	[3] TELUGU VOWEL SIGN E..TELUGU VOWEL SIGN AI
OC4A..OC4D	; Telugu # Mn	[4] TELUGU VOWEL SIGN O..TELUGU SIGN VIRAMA
OC55..OC56	; Telugu # Mn	[2] TELUGU LENGTH MARK..TELUGU AI LENGTH MARK
OC58..OC59	; Telugu # Lo	[2] TELUGU LETTER TSA..TELUGU LETTER DZA
OC60..OC61	; Telugu # Lo	[2] TELUGU LETTER VOCALIC RR..TELUGU LETTER VOCALIC LL



0C62..0C63 ; Telugu # Mn [2] TELUGU VOWEL SIGN VOCALIC L..TELUGU VOWEL SIGN VOCALIC LL  
0C66..0C6F ; Telugu # Nd [10] TELUGU DIGIT ZERO..TELUGU DIGIT NINE  
0C78..0C7E ; Telugu # No [7] TELUGU FRACTION DIGIT ZERO FOR ODD POWERS OF FOUR..TELUGU FRACTION DIGIT THREE FOR EVEN POWERS OF FOUR  
0C7F ; Telugu # So TELUGU SIGN TUUMU

# Total code points: 93

# =====

0C82..0C83 ; Kannada # Mc [2] KANNADA SIGN ANUSVARA..KANNADA SIGN VISARGA  
0C85..0C8C ; Kannada # Lo [8] KANNADA LETTER A..KANNADA LETTER VOCALIC L  
0C8E..0C90 ; Kannada # Lo [3] KANNADA LETTER E..KANNADA LETTER AI  
0C92..0CA8 ; Kannada # Lo [23] KANNADA LETTER O..KANNADA LETTER NA  
0CAA..0CB3 ; Kannada # Lo [10] KANNADA LETTER PA..KANNADA LETTER LLA  
0CB5..0CB9 ; Kannada # Lo [5] KANNADA LETTER VA..KANNADA LETTER HA  
0CBC ; Kannada # Mn KANNADA SIGN NUKTA  
0CBD ; Kannada # Lo KANNADA SIGN AVAGRAHA  
0CBE ; Kannada # Mc KANNADA VOWEL SIGN AA  
0CBF ; Kannada # Mn KANNADA VOWEL SIGN I  
0CC0..0CC4 ; Kannada # Mc [5] KANNADA VOWEL SIGN II..KANNADA VOWEL SIGN VOCALIC RR  
0CC6 ; Kannada # Mn KANNADA VOWEL SIGN E  
0CC7..0CC8 ; Kannada # Mc [2] KANNADA VOWEL SIGN EE..KANNADA VOWEL SIGN AI  
0CCA..0CCB ; Kannada # Mc [2] KANNADA VOWEL SIGN O..KANNADA VOWEL SIGN OO  
0CCC..0CCD ; Kannada # Mn [2] KANNADA VOWEL SIGN AU..KANNADA SIGN VIRAMA  
0CD5..0CD6 ; Kannada # Mc [2] KANNADA LENGTH MARK..KANNADA AI LENGTH MARK  
0CDE ; Kannada # Lo KANNADA LETTER FA  
0CE0..0CE1 ; Kannada # Lo [2] KANNADA LETTER VOCALIC RR..KANNADA LETTER VOCALIC LL  
0CE2..0CE3 ; Kannada # Mn [2] KANNADA VOWEL SIGN VOCALIC L..KANNADA VOWEL SIGN VOCALIC LL  
0CE6..0CEF ; Kannada # Nd [10] KANNADA DIGIT ZERO..KANNADA DIGIT NINE  
0CF1..0CF2 ; Kannada # Lo [2] KANNADA SIGN JIHVAMULIYA..KANNADA SIGN UPADHMANIYA

# Total code points: 86



# =====

0D02..0D03	; Malayalam # Mc	[2]	MALAYALAM SIGN ANUSVARA..MALAYALAM SIGN VISARGA
0D05..0D0C	; Malayalam # Lo	[8]	MALAYALAM LETTER A..MALAYALAM LETTER VOCALIC L
0D0E..0D10	; Malayalam # Lo	[3]	MALAYALAM LETTER E..MALAYALAM LETTER AI
0D12..0D3A	; Malayalam # Lo	[41]	MALAYALAM LETTER O..MALAYALAM LETTER TTTA
0D3D	; Malayalam # Lo		MALAYALAM SIGN AVAGRAHA
0D3E..0D40	; Malayalam # Mc	[3]	MALAYALAM VOWEL SIGN AA..MALAYALAM VOWEL SIGN II
0D41..0D44 VOCALIC RR	; Malayalam # Mn	[4]	MALAYALAM VOWEL SIGN U..MALAYALAM VOWEL SIGN
0D46..0D48	; Malayalam # Mc	[3]	MALAYALAM VOWEL SIGN E..MALAYALAM VOWEL SIGN AI
0D4A..0D4C	; Malayalam # Mc	[3]	MALAYALAM VOWEL SIGN O..MALAYALAM VOWEL SIGN AU
0D4D	; Malayalam # Mn		MALAYALAM SIGN VIRAMA
0D4E	; Malayalam # Lo		MALAYALAM LETTER DOT REPH
0D57	; Malayalam # Mc		MALAYALAM AU LENGTH MARK
0D60..0D61 VOCALIC LL	; Malayalam # Lo	[2]	MALAYALAM LETTER VOCALIC RR..MALAYALAM LETTER
0D62..0D63 SIGN VOCALIC LL	; Malayalam # Mn	[2]	MALAYALAM VOWEL SIGN VOCALIC L..MALAYALAM VOWEL
0D66..0D6F	; Malayalam # Nd	[10]	MALAYALAM DIGIT ZERO..MALAYALAM DIGIT NINE
0D70..0D75 QUARTERS	; Malayalam # No	[6]	MALAYALAM NUMBER TEN..MALAYALAM FRACTION THREE
0D79	; Malayalam # So		MALAYALAM DATE MARK
0D7A..0D7F K	; Malayalam # Lo	[6]	MALAYALAM LETTER CHILLU NN..MALAYALAM LETTER CHILLU

# Total code points: 98

# =====

0D82..0D83	; Sinhala # Mc	[2]	SINHALA SIGN ANUSVARAYA..SINHALA SIGN VISARGAYA
0D85..0D96	; Sinhala # Lo	[18]	SINHALA LETTER AYANNA..SINHALA LETTER AUYANNA
0D9A..0DB1 DANTAJA NAYANNA	; Sinhala # Lo	[24]	SINHALA LETTER ALPAPRAANA KAYANNA..SINHALA LETTER
0DB3..0DBB RAYANNA	; Sinhala # Lo	[9]	SINHALA LETTER SANYAKA DAYANNA..SINHALA LETTER



ODBD	; Sinhala # Lo	SINHALA LETTER DANTAJA LAYANNA
ODC0..ODC6	; Sinhala # Lo	[7] SINHALA LETTER VAYANNA..SINHALA LETTER FAYANNA
ODCA	; Sinhala # Mn	SINHALA SIGN AL-LAKUNA
ODCF..ODD1	; Sinhala # Mc	[3] SINHALA VOWEL SIGN AELA-PILLA..SINHALA VOWEL SIGN DIGA AEDA-PILLA
ODD2..ODD4	; Sinhala # Mn	[3] SINHALA VOWEL SIGN KETTI IS-PILLA..SINHALA VOWEL SIGN KETTI PAA-PILLA
ODD6	; Sinhala # Mn	SINHALA VOWEL SIGN DIGA PAA-PILLA
ODD8..ODDF	; Sinhala # Mc	[8] SINHALA VOWEL SIGN GAETTA-PILLA..SINHALA VOWEL SIGN GAYANUKITTA
ODF2..ODF3	; Sinhala # Mc	[2] SINHALA VOWEL SIGN DIGA GAETTA-PILLA..SINHALA VOWEL SIGN DIGA GAYANUKITTA
ODF4	; Sinhala # Po	SINHALA PUNCTUATION KUNDDALIYA

# Total code points: 80

# =====

OE01..OE30	; Thai # Lo	[48] THAI CHARACTER KO KAI..THAI CHARACTER SARA A
OE31	; Thai # Mn	THAI CHARACTER MAI HAN-AKAT
OE32..OE33	; Thai # Lo	[2] THAI CHARACTER SARA AA..THAI CHARACTER SARA AM
OE34..OE3A	; Thai # Mn	[7] THAI CHARACTER SARA I..THAI CHARACTER PHINTHU
OE40..OE45	; Thai # Lo	[6] THAI CHARACTER SARA E..THAI CHARACTER LAKKHANGYAO
OE46	; Thai # Lm	THAI CHARACTER MAIYAMOK
OE47..OE4E	; Thai # Mn	[8] THAI CHARACTER MAITAIKHU..THAI CHARACTER YAMAKKAN
OE4F	; Thai # Po	THAI CHARACTER FONGMAN
OE50..OE59	; Thai # Nd	[10] THAI DIGIT ZERO..THAI DIGIT NINE
OE5A..OE5B	; Thai # Po	[2] THAI CHARACTER ANGKHANKHU..THAI CHARACTER KHOMUT

# Total code points: 86

# =====

OE81..OE82	; Lao # Lo	[2] LAO LETTER KO..LAO LETTER KHO SUNG
OE84	; Lao # Lo	LAO LETTER KHO TAM
OE87..OE88	; Lao # Lo	[2] LAO LETTER NGO..LAO LETTER CO



0E8A	; Lao # Lo	LAO LETTER SO TAM
0E8D	; Lao # Lo	LAO LETTER NYO
0E94..0E97	; Lao # Lo	[4] LAO LETTER DO..LAO LETTER THO TAM
0E99..0E9F	; Lao # Lo	[7] LAO LETTER NO..LAO LETTER FO SUNG
0EA1..0EA3	; Lao # Lo	[3] LAO LETTER MO..LAO LETTER LO LING
0EA5	; Lao # Lo	LAO LETTER LO LOOT
0EA7	; Lao # Lo	LAO LETTER WO
0EAA..0EAB	; Lao # Lo	[2] LAO LETTER SO SUNG..LAO LETTER HO SUNG
0EAD..0EB0	; Lao # Lo	[4] LAO LETTER O..LAO VOWEL SIGN A
0EB1	; Lao # Mn	LAO VOWEL SIGN MAI KAN
0EB2..0EB3	; Lao # Lo	[2] LAO VOWEL SIGN AA..LAO VOWEL SIGN AM
0EB4..0EB9	; Lao # Mn	[6] LAO VOWEL SIGN I..LAO VOWEL SIGN UU
0EBB..0EBC	; Lao # Mn	[2] LAO VOWEL SIGN MAI KON..LAO SEMIVOWEL SIGN LO
0EBD	; Lao # Lo	LAO SEMIVOWEL SIGN NYO
0EC0..0EC4	; Lao # Lo	[5] LAO VOWEL SIGN E..LAO VOWEL SIGN AI
0EC6	; Lao # Lm	LAO KO LA
0EC8..0ECD	; Lao # Mn	[6] LAO TONE MAI EK..LAO NIGGAHITA
0ED0..0ED9	; Lao # Nd	[10] LAO DIGIT ZERO..LAO DIGIT NINE
0EDC..0EDF	; Lao # Lo	[4] LAO HO NO..LAO LETTER KHMU NYO

# Total code points: 67

# =====

0F00	; Tibetan # Lo	TIBETAN SYLLABLE OM
0F01..0F03	; Tibetan # So	[3] TIBETAN MARK GTER YIG MGO TRUNCATED A..TIBETAN MARK GTER YIG MGO -UM GTER TSHEG MA
0F04..0F12	; Tibetan # Po	[15] TIBETAN MARK INITIAL YIG MGO MDUN MA..TIBETAN MARK RGYA GRAM SHAD
0F13	; Tibetan # So	TIBETAN MARK CARET -DZUD RTAGS ME LONG CAN
0F14	; Tibetan # Po	TIBETAN MARK GTER TSHEG
0F15..0F17	; Tibetan # So	[3] TIBETAN LOGOTYPE SIGN CHAD RTAGS..TIBETAN ASTROLOGICAL SIGN SGRA GCAN -CHAR RTAGS
0F18..0F19	; Tibetan # Mn	[2] TIBETAN ASTROLOGICAL SIGN -KHYUD PA..TIBETAN ASTROLOGICAL SIGN SDONG TSHUGS



0F1A..0F1F RDEL NAG	; Tibetan # So	[6]	TIBETAN SIGN RDEL DKAR GCIG..TIBETAN SIGN RDEL DKAR
0F20..0F29	; Tibetan # Nd	[10]	TIBETAN DIGIT ZERO..TIBETAN DIGIT NINE
0F2A..0F33	; Tibetan # No	[10]	TIBETAN DIGIT HALF ONE..TIBETAN DIGIT HALF ZERO
0F34	; Tibetan # So		TIBETAN MARK BSDUS RTAGS
0F35	; Tibetan # Mn		TIBETAN MARK NGAS BZUNG NYI ZLA
0F36	; Tibetan # So		TIBETAN MARK CARET -DZUD RTAGS BZHI MIG CAN
0F37	; Tibetan # Mn		TIBETAN MARK NGAS BZUNG SGOR RTAGS
0F38	; Tibetan # So		TIBETAN MARK CHE MGO
0F39	; Tibetan # Mn		TIBETAN MARK TSA -PHRU
0F3A	; Tibetan # Ps		TIBETAN MARK GUG RTAGS GYON
0F3B	; Tibetan # Pe		TIBETAN MARK GUG RTAGS GYAS
0F3C	; Tibetan # Ps		TIBETAN MARK ANG KHANG GYON
0F3D	; Tibetan # Pe		TIBETAN MARK ANG KHANG GYAS
0F3E..0F3F	; Tibetan # Mc	[2]	TIBETAN SIGN YAR TSHES..TIBETAN SIGN MAR TSHES
0F40..0F47	; Tibetan # Lo	[8]	TIBETAN LETTER KA..TIBETAN LETTER JA
0F49..0F6C	; Tibetan # Lo	[36]	TIBETAN LETTER NYA..TIBETAN LETTER RRA
0F71..0F7E	; Tibetan # Mn	[14]	TIBETAN VOWEL SIGN AA..TIBETAN SIGN RJES SU NGA RO
0F7F	; Tibetan # Mc		TIBETAN SIGN RNAM BCAD
0F80..0F84	; Tibetan # Mn	[5]	TIBETAN VOWEL SIGN REVERSED I..TIBETAN MARK HALANTA
0F85	; Tibetan # Po		TIBETAN MARK PALUTA
0F86..0F87	; Tibetan # Mn	[2]	TIBETAN SIGN LCI RTAGS..TIBETAN SIGN YANG RTAGS
0F88..0F8C CAN	; Tibetan # Lo	[5]	TIBETAN SIGN LCE TSA CAN..TIBETAN SIGN INVERTED MCHU
0F8D..0F97 LETTER JA	; Tibetan # Mn	[11]	TIBETAN SUBJOINED SIGN LCE TSA CAN..TIBETAN SUBJOINED
0F99..0FBC LETTER FIXED-FORM RA	; Tibetan # Mn	[36]	TIBETAN SUBJOINED LETTER NYA..TIBETAN SUBJOINED
0FBE..0FC5	; Tibetan # So	[8]	TIBETAN KU RU KHA..TIBETAN SYMBOL RDO RJE
0FC6	; Tibetan # Mn		TIBETAN SYMBOL PADMA GDAN
0FC7..0FCC BU BZHI -KHYIL	; Tibetan # So	[6]	TIBETAN SYMBOL RDO RJE RGYA GRAM..TIBETAN SYMBOL NOR
0FCE..0FCF NAG GSUM	; Tibetan # So	[2]	TIBETAN SIGN RDEL NAG RDEL DKAR..TIBETAN SIGN RDEL
0FD0..0FD4	; Tibetan # Po	[5]	TIBETAN MARK BSKA- SHOG GI MGO RGYAN..TIBETAN MARK
			CLOSING BRDA RNYING YIG MGO SGAB MA



OFD9..OFDA ; Tibetan # Po [2] TIBETAN MARK LEADING MCHAN RTAGS..TIBETAN MARK TRAILING MCHAN RTAGS

# Total code points: 207

# =====

1000..102A ; Myanmar # Lo [43] MYANMAR LETTER KA..MYANMAR LETTER AU  
102B..102C ; Myanmar # Mc [2] MYANMAR VOWEL SIGN TALL AA..MYANMAR VOWEL SIGN AA  
102D..1030 ; Myanmar # Mn [4] MYANMAR VOWEL SIGN I..MYANMAR VOWEL SIGN UU  
1031 ; Myanmar # Mc MYANMAR VOWEL SIGN E  
1032..1037 ; Myanmar # Mn [6] MYANMAR VOWEL SIGN AI..MYANMAR SIGN DOT BELOW  
1038 ; Myanmar # Mc MYANMAR SIGN VISARGA  
1039..103A ; Myanmar # Mn [2] MYANMAR SIGN VIRAMA..MYANMAR SIGN ASAT  
103B..103C ; Myanmar # Mc [2] MYANMAR CONSONANT SIGN MEDIAL YA..MYANMAR CONSONANT SIGN MEDIAL RA  
103D..103E ; Myanmar # Mn [2] MYANMAR CONSONANT SIGN MEDIAL WA..MYANMAR CONSONANT SIGN MEDIAL HA  
103F ; Myanmar # Lo MYANMAR LETTER GREAT SA  
1040..1049 ; Myanmar # Nd [10] MYANMAR DIGIT ZERO..MYANMAR DIGIT NINE  
104A..104F ; Myanmar # Po [6] MYANMAR SIGN LITTLE SECTION..MYANMAR SYMBOL GENITIVE  
1050..1055 ; Myanmar # Lo [6] MYANMAR LETTER SHA..MYANMAR LETTER VOCALIC LL  
1056..1057 ; Myanmar # Mc [2] MYANMAR VOWEL SIGN VOCALIC R..MYANMAR VOWEL SIGN VOCALIC RR  
1058..1059 ; Myanmar # Mn [2] MYANMAR VOWEL SIGN VOCALIC L..MYANMAR VOWEL SIGN VOCALIC LL  
105A..105D ; Myanmar # Lo [4] MYANMAR LETTER MON NGA..MYANMAR LETTER MON BBE  
105E..1060 ; Myanmar # Mn [3] MYANMAR CONSONANT SIGN MON MEDIAL NA..MYANMAR CONSONANT SIGN MON MEDIAL LA  
1061 ; Myanmar # Lo MYANMAR LETTER SGAW KAREN SHA  
1062..1064 ; Myanmar # Mc [3] MYANMAR VOWEL SIGN SGAW KAREN EU..MYANMAR TONE MARK SGAW KAREN KE PHO  
1065..1066 ; Myanmar # Lo [2] MYANMAR LETTER WESTERN PWO KAREN THA..MYANMAR LETTER WESTERN PWO KAREN PWA  
1067..106D ; Myanmar # Mc [7] MYANMAR VOWEL SIGN WESTERN PWO KAREN EU..MYANMAR SIGN WESTERN PWO KAREN TONE-5  
106E..1070 ; Myanmar # Lo [3] MYANMAR LETTER EASTERN PWO KAREN NNA..MYANMAR LETTER EASTERN PWO KAREN GHWA





1071..1074 KAYAH EE	; Myanmar # Mn	[4] MYANMAR VOWEL SIGN GEBA KAREN I..MYANMAR VOWEL SIGN
1075..1081	; Myanmar # Lo	[13] MYANMAR LETTER SHAN KA..MYANMAR LETTER SHAN HA
1082	; Myanmar # Mn	MYANMAR CONSONANT SIGN SHAN MEDIAL WA
1083..1084	; Myanmar # Mc	[2] MYANMAR VOWEL SIGN SHAN AA..MYANMAR VOWEL SIGN SHAN E
1085..1086 SHAN FINAL Y	; Myanmar # Mn	[2] MYANMAR VOWEL SIGN SHAN E ABOVE..MYANMAR VOWEL SIGN
1087..108C TONE-3	; Myanmar # Mc	[6] MYANMAR SIGN SHAN TONE-2..MYANMAR SIGN SHAN COUNCIL
108D	; Myanmar # Mn	MYANMAR SIGN SHAN COUNCIL EMPHATIC TONE
108E	; Myanmar # Lo	MYANMAR LETTER RUMAI PALAUNG FA
108F	; Myanmar # Mc	MYANMAR SIGN RUMAI PALAUNG TONE-5
1090..1099	; Myanmar # Nd	[10] MYANMAR SHAN DIGIT ZERO..MYANMAR SHAN DIGIT NINE
109A..109C A	; Myanmar # Mc	[3] MYANMAR SIGN KHAMTI TONE-1..MYANMAR VOWEL SIGN AITON
109D	; Myanmar # Mn	MYANMAR VOWEL SIGN AITON AI
109E..109F EXCLAMATION	; Myanmar # So	[2] MYANMAR SYMBOL SHAN ONE..MYANMAR SYMBOL SHAN
AA60..AA6F	; Myanmar # Lo	[16] MYANMAR LETTER KHAMTI GA..MYANMAR LETTER KHAMTI FA
AA70	; Myanmar # Lm	MYANMAR MODIFIER LETTER KHAMTI REDUPLICATION
AA71..AA76	; Myanmar # Lo	[6] MYANMAR LETTER KHAMTI XA..MYANMAR LOGOGRAM KHAMTI HM
AA77..AA79 AITON TWO	; Myanmar # So	[3] MYANMAR SYMBOL AITON EXCLAMATION..MYANMAR SYMBOL
AA7A	; Myanmar # Lo	MYANMAR LETTER AITON RA
AA7B	; Myanmar # Mc	MYANMAR SIGN PAO KAREN TONE

# Total code points: 188

# =====

10A0..10C5 HOE	; Georgian # L&	[38] GEORGIAN CAPITAL LETTER AN..GEORGIAN CAPITAL LETTER
10C7	; Georgian # L&	GEORGIAN CAPITAL LETTER YN
10CD	; Georgian # L&	GEORGIAN CAPITAL LETTER AEN
10D0..10FA	; Georgian # Lo	[43] GEORGIAN LETTER AN..GEORGIAN LETTER AIN
10FC	; Georgian # Lm	MODIFIER LETTER GEORGIAN NAR
10FD..10FF	; Georgian # Lo	[3] GEORGIAN LETTER AEN..GEORGIAN LETTER LABIAL SIGN



2D00..2D25 ; Georgian # L& [38] GEORGIAN SMALL LETTER AN..GEORGIAN SMALL LETTER HOE  
2D27 ; Georgian # L& GEORGIAN SMALL LETTER YN  
2D2D ; Georgian # L& GEORGIAN SMALL LETTER AEN

# Total code points: 127

# =====

1100..11FF ; Hangul # Lo [256] HANGUL CHOSEONG KIYEOK..HANGUL JONGSEONG SSANGNIEUN  
302E..302F ; Hangul # Mc [2] HANGUL SINGLE DOT TONE MARK..HANGUL DOUBLE DOT TONE MARK  
3131..318E ; Hangul # Lo [94] HANGUL LETTER KIYEOK..HANGUL LETTER ARAEAE  
3200..321E ; Hangul # So [31] PARENTHESES HANGUL KIYEOK..PARENTHESES KOREAN CHARACTER O HU  
3260..327E ; Hangul # So [31] CIRCLED HANGUL KIYEOK..CIRCLED HANGUL IEUNG U  
A960..A97C ; Hangul # Lo [29] HANGUL CHOSEONG TIKEUT-MIEUM..HANGUL CHOSEONG SSANGYEORINHIEUH  
AC00..D7A3 ; Hangul # Lo [11172] HANGUL SYLLABLE GA..HANGUL SYLLABLE HHH  
D7B0..D7C6 ; Hangul # Lo [23] HANGUL JONGSEONG O-YEO..HANGUL JONGSEONG ARAEAE-E  
D7CB..D7FB ; Hangul # Lo [49] HANGUL JONGSEONG NIEUN-RIEUL..HANGUL JONGSEONG PHIEUPH-THIEUTH  
FFA0..FFBE ; Hangul # Lo [31] HALFWIDTH HANGUL FILLER..HALFWIDTH HANGUL LETTER HIEUH  
FFC2..FFC7 ; Hangul # Lo [6] HALFWIDTH HANGUL LETTER A..HALFWIDTH HANGUL LETTER E  
FFCA..FFCF ; Hangul # Lo [6] HALFWIDTH HANGUL LETTER YEO..HALFWIDTH HANGUL LETTER OE  
FFD2..FFD7 ; Hangul # Lo [6] HALFWIDTH HANGUL LETTER YO..HALFWIDTH HANGUL LETTER YU  
FFDA..FFDC ; Hangul # Lo [3] HALFWIDTH HANGUL LETTER EU..HALFWIDTH HANGUL LETTER I

# Total code points: 11739

# =====

1200..1248 ; Ethiopic # Lo [73] ETHIOPIC SYLLABLE HA..ETHIOPIC SYLLABLE QWA  
124A..124D ; Ethiopic # Lo [4] ETHIOPIC SYLLABLE QWI..ETHIOPIC SYLLABLE QWE  
1250..1256 ; Ethiopic # Lo [7] ETHIOPIC SYLLABLE QHA..ETHIOPIC SYLLABLE QHO  
1258 ; Ethiopic # Lo ETHIOPIC SYLLABLE QHWA



125A..125D	; Ethiopic # Lo	[4] ETHIOPIC SYLLABLE QHWI..ETHIOPIC SYLLABLE QHWE
1260..1288	; Ethiopic # Lo	[41] ETHIOPIC SYLLABLE BA..ETHIOPIC SYLLABLE XWA
128A..128D	; Ethiopic # Lo	[4] ETHIOPIC SYLLABLE XWI..ETHIOPIC SYLLABLE XWE
1290..12B0	; Ethiopic # Lo	[33] ETHIOPIC SYLLABLE NA..ETHIOPIC SYLLABLE KWA
12B2..12B5	; Ethiopic # Lo	[4] ETHIOPIC SYLLABLE KWI..ETHIOPIC SYLLABLE KWE
12B8..12BE	; Ethiopic # Lo	[7] ETHIOPIC SYLLABLE KXA..ETHIOPIC SYLLABLE KXO
12C0	; Ethiopic # Lo	ETHIOPIC SYLLABLE KXWA
12C2..12C5	; Ethiopic # Lo	[4] ETHIOPIC SYLLABLE KXWI..ETHIOPIC SYLLABLE KXWE
12C8..12D6	; Ethiopic # Lo	[15] ETHIOPIC SYLLABLE WA..ETHIOPIC SYLLABLE PHARYNGEAL O
12D8..1310	; Ethiopic # Lo	[57] ETHIOPIC SYLLABLE ZA..ETHIOPIC SYLLABLE GWA
1312..1315	; Ethiopic # Lo	[4] ETHIOPIC SYLLABLE GWI..ETHIOPIC SYLLABLE GWE
1318..135A	; Ethiopic # Lo	[67] ETHIOPIC SYLLABLE GGA..ETHIOPIC SYLLABLE FYA
135D..135F	; Ethiopic # Mn	[3] ETHIOPIC COMBINING GEMINATION AND VOWEL LENGTH MARK..ETHIOPIC COMBINING GEMINATION MARK
1360..1368	; Ethiopic # Po	[9] ETHIOPIC SECTION MARK..ETHIOPIC PARAGRAPH SEPARATOR
1369..137C	; Ethiopic # No	[20] ETHIOPIC DIGIT ONE..ETHIOPIC NUMBER TEN THOUSAND
1380..138F	; Ethiopic # Lo	[16] ETHIOPIC SYLLABLE SEBATBEIT MWA..ETHIOPIC SYLLABLE PWE
1390..1399	; Ethiopic # So	[10] ETHIOPIC TONAL MARK YIZET..ETHIOPIC TONAL MARK KURT
2D80..2D96	; Ethiopic # Lo	[23] ETHIOPIC SYLLABLE LOA..ETHIOPIC SYLLABLE GGWE
2DA0..2DA6	; Ethiopic # Lo	[7] ETHIOPIC SYLLABLE SSA..ETHIOPIC SYLLABLE SSO
2DA8..2DAE	; Ethiopic # Lo	[7] ETHIOPIC SYLLABLE CCA..ETHIOPIC SYLLABLE CCO
2DB0..2DB6	; Ethiopic # Lo	[7] ETHIOPIC SYLLABLE ZZA..ETHIOPIC SYLLABLE ZZO
2DB8..2DBE	; Ethiopic # Lo	[7] ETHIOPIC SYLLABLE CCHA..ETHIOPIC SYLLABLE CCHO
2DC0..2DC6	; Ethiopic # Lo	[7] ETHIOPIC SYLLABLE QYA..ETHIOPIC SYLLABLE QYO
2DC8..2DCE	; Ethiopic # Lo	[7] ETHIOPIC SYLLABLE KYA..ETHIOPIC SYLLABLE KYO
2DD0..2DD6	; Ethiopic # Lo	[7] ETHIOPIC SYLLABLE XYA..ETHIOPIC SYLLABLE XYO
2DD8..2DDE	; Ethiopic # Lo	[7] ETHIOPIC SYLLABLE GYA..ETHIOPIC SYLLABLE GYO
AB01..AB06	; Ethiopic # Lo	[6] ETHIOPIC SYLLABLE TTHU..ETHIOPIC SYLLABLE TTHO
AB09..AB0E	; Ethiopic # Lo	[6] ETHIOPIC SYLLABLE DDHU..ETHIOPIC SYLLABLE DDHO
AB11..AB16	; Ethiopic # Lo	[6] ETHIOPIC SYLLABLE DZU..ETHIOPIC SYLLABLE DZO
AB20..AB26	; Ethiopic # Lo	[7] ETHIOPIC SYLLABLE CCHHA..ETHIOPIC SYLLABLE CCHHO
AB28..AB2E	; Ethiopic # Lo	[7] ETHIOPIC SYLLABLE BBA..ETHIOPIC SYLLABLE BBO

# Total code points: 495



# =====

13A0..13F4 ; Cherokee # Lo [85] CHEROKEE LETTER A..CHEROKEE LETTER YV

# Total code points: 85

# =====

1400 ; Canadian\_Aboriginal # Pd CANADIAN SYLLABICS HYPHEN

1401..166C ; Canadian\_Aboriginal # Lo [620] CANADIAN SYLLABICS E..CANADIAN SYLLABICS CARRIER TTSA

166D..166E ; Canadian\_Aboriginal # Po [2] CANADIAN SYLLABICS CHI SIGN..CANADIAN SYLLABICS FULL STOP

166F..167F ; Canadian\_Aboriginal # Lo [17] CANADIAN SYLLABICS QAI..CANADIAN SYLLABICS BLACKFOOT W

18B0..18F5 ; Canadian\_Aboriginal # Lo [70] CANADIAN SYLLABICS OY..CANADIAN SYLLABICS CARRIER DENTAL S

# Total code points: 710

# =====

1680 ; Ogham # Zs OGHAM SPACE MARK

1681..169A ; Ogham # Lo [26] OGHAM LETTER BEITH..OGHAM LETTER PEITH

169B ; Ogham # Ps OGHAM FEATHER MARK

169C ; Ogham # Pe OGHAM REVERSED FEATHER MARK

# Total code points: 29

# =====

16A0..16EA ; Runic # Lo [75] RUNIC LETTER FEHU FE OH FE F..RUNIC LETTER X

16EE..16F0 ; Runic # Nl [3] RUNIC ARLAUG SYMBOL..RUNIC BELGTHOR SYMBOL

# Total code points: 78



# =====

1780..17B3	; Khmer # Lo	[52]	KHMER LETTER KA..KHMER INDEPENDENT VOWEL QAU
17B4..17B5	; Khmer # Mn	[2]	KHMER VOWEL INHERENT AQ..KHMER VOWEL INHERENT AA
17B6	; Khmer # Mc		KHMER VOWEL SIGN AA
17B7..17BD	; Khmer # Mn	[7]	KHMER VOWEL SIGN I..KHMER VOWEL SIGN UA
17BE..17C5	; Khmer # Mc	[8]	KHMER VOWEL SIGN OE..KHMER VOWEL SIGN AU
17C6	; Khmer # Mn		KHMER SIGN NIKAHIT
17C7..17C8	; Khmer # Mc	[2]	KHMER SIGN REAHMUK..KHMER SIGN YUUKALEAPINTU
17C9..17D3	; Khmer # Mn	[11]	KHMER SIGN MUUSIKATOAN..KHMER SIGN BATHAMASAT
17D4..17D6	; Khmer # Po	[3]	KHMER SIGN KHAN..KHMER SIGN CAMNUC PII KUUH
17D7	; Khmer # Lm		KHMER SIGN LEK TOO
17D8..17DA	; Khmer # Po	[3]	KHMER SIGN BEYYAL..KHMER SIGN KOOMUUT
17DB	; Khmer # Sc		KHMER CURRENCY SYMBOL RIEL
17DC	; Khmer # Lo		KHMER SIGN AVAKRAHASANYA
17DD	; Khmer # Mn		KHMER SIGN ATTHACAN
17E0..17E9	; Khmer # Nd	[10]	KHMER DIGIT ZERO..KHMER DIGIT NINE
17F0..17F9 PRAM-BUON	; Khmer # No	[10]	KHMER SYMBOL LEK ATTAK SON..KHMER SYMBOL LEK ATTAK PRAM-BUON
19E0..19FF	; Khmer # So	[32]	KHMER SYMBOL PATHAMASAT..KHMER SYMBOL DAP-PRAM ROC

# Total code points: 146

# =====

1800..1801	; Mongolian # Po	[2]	MONGOLIAN BIRGA..MONGOLIAN ELLIPSIS
1804	; Mongolian # Po		MONGOLIAN COLON
1806	; Mongolian # Pd		MONGOLIAN TODO SOFT HYPHEN
1807..180A NIRUGU	; Mongolian # Po	[4]	MONGOLIAN SIBE SYLLABLE BOUNDARY MARKER..MONGOLIAN NIRUGU
180B..180D FREE VARIATION SELECTOR THREE	; Mongolian # Mn	[3]	MONGOLIAN FREE VARIATION SELECTOR ONE..MONGOLIAN FREE VARIATION SELECTOR THREE
180E	; Mongolian # Zs		MONGOLIAN VOWEL SEPARATOR
1810..1819	; Mongolian # Nd	[10]	MONGOLIAN DIGIT ZERO..MONGOLIAN DIGIT NINE



1820..1842	; Mongolian # Lo	[35] MONGOLIAN LETTER A..MONGOLIAN LETTER CHI
1843	; Mongolian # Lm	MONGOLIAN LETTER TODO LONG VOWEL SIGN
1844..1877	; Mongolian # Lo	[52] MONGOLIAN LETTER TODO E..MONGOLIAN LETTER MANCHU ZHA
1880..18A8	; Mongolian # Lo	[41] MONGOLIAN LETTER ALI GALI ANUSVARA ONE..MONGOLIAN LETTER MANCHU ALI GALI BHA
18A9	; Mongolian # Mn	MONGOLIAN LETTER ALI GALI DAGALGA
18AA	; Mongolian # Lo	MONGOLIAN LETTER MANCHU ALI GALI LHA

# Total code points: 153

# =====

3041..3096	; Hiragana # Lo	[86] HIRAGANA LETTER SMALL A..HIRAGANA LETTER SMALL KE
309D..309E	; Hiragana # Lm	[2] HIRAGANA ITERATION MARK..HIRAGANA VOICED ITERATION MARK
309F	; Hiragana # Lo	HIRAGANA DIGRAPH YORI
1B001	; Hiragana # Lo	HIRAGANA LETTER ARCHAIC YE
1F200	; Hiragana # So	SQUARE HIRAGANA HOKA

# Total code points: 91

# =====

30A1..30FA	; Katakana # Lo	[90] KATAKANA LETTER SMALL A..KATAKANA LETTER VO
30FD..30FE	; Katakana # Lm	[2] KATAKANA ITERATION MARK..KATAKANA VOICED ITERATION MARK
30FF	; Katakana # Lo	KATAKANA DIGRAPH KOTO
31F0..31FF	; Katakana # Lo	[16] KATAKANA LETTER SMALL KU..KATAKANA LETTER SMALL RO
32D0..32FE	; Katakana # So	[47] CIRCLED KATAKANA A..CIRCLED KATAKANA WO
3300..3357	; Katakana # So	[88] SQUARE APAATO..SQUARE WATTO
FF66..FF6F	; Katakana # Lo	[10] HALFWIDTH KATAKANA LETTER WO..HALFWIDTH KATAKANA LETTER SMALL TU
FF71..FF9D	; Katakana # Lo	[45] HALFWIDTH KATAKANA LETTER A..HALFWIDTH KATAKANA LETTER N
1B000	; Katakana # Lo	KATAKANA LETTER ARCHAIC E



# Total code points: 300

# =====

02EA..02EB ; Bopomofo # Sk [2] MODIFIER LETTER YIN DEPARTING TONE MARK..MODIFIER LETTER YANG DEPARTING TONE MARK

3105..312D ; Bopomofo # Lo [41] BOPOMOFO LETTER B..BOPOMOFO LETTER IH

31A0..31BA ; Bopomofo # Lo [27] BOPOMOFO LETTER BU..BOPOMOFO LETTER ZY

# Total code points: 70

# =====

2E80..2E99 ; Han # So [26] CJK RADICAL REPEAT..CJK RADICAL RAP

2E9B..2EF3 ; Han # So [89] CJK RADICAL CHOKE..CJK RADICAL C-SIMPLIFIED TURTLE

2F00..2FD5 ; Han # So [214] KANGXI RADICAL ONE..KANGXI RADICAL FLUTE

3005 ; Han # Lm IDEOGRAPHIC ITERATION MARK

3007 ; Han # Nl IDEOGRAPHIC NUMBER ZERO

3021..3029 ; Han # Nl [9] HANGZHOU NUMERAL ONE..HANGZHOU NUMERAL NINE

3038..303A ; Han # Nl [3] HANGZHOU NUMERAL TEN..HANGZHOU NUMERAL THIRTY

303B ; Han # Lm VERTICAL IDEOGRAPHIC ITERATION MARK

3400..4DB5 ; Han # Lo [6582] CJK UNIFIED IDEOGRAPH-3400..CJK UNIFIED IDEOGRAPH-4DB5

4E00..9FCC ; Han # Lo [20941] CJK UNIFIED IDEOGRAPH-4E00..CJK UNIFIED IDEOGRAPH-9FCC

F900..FA6D ; Han # Lo [366] CJK COMPATIBILITY IDEOGRAPH-F900..CJK COMPATIBILITY IDEOGRAPH-FA6D

FA70..FAD9 ; Han # Lo [106] CJK COMPATIBILITY IDEOGRAPH-FA70..CJK COMPATIBILITY IDEOGRAPH-FAD9

20000..2A6D6 ; Han # Lo [42711] CJK UNIFIED IDEOGRAPH-20000..CJK UNIFIED IDEOGRAPH-2A6D6

2A700..2B734 ; Han # Lo [4149] CJK UNIFIED IDEOGRAPH-2A700..CJK UNIFIED IDEOGRAPH-2B734

2B740..2B81D ; Han # Lo [222] CJK UNIFIED IDEOGRAPH-2B740..CJK UNIFIED IDEOGRAPH-2B81D

2F800..2FA1D ; Han # Lo [542] CJK COMPATIBILITY IDEOGRAPH-2F800..CJK COMPATIBILITY IDEOGRAPH-2FA1D

# Total code points: 75963



# =====

A000..A014 ; Yi # Lo [21] YI SYLLABLE IT..YI SYLLABLE E  
A015 ; Yi # Lm YI SYLLABLE WU  
A016..A48C ; Yi # Lo [1143] YI SYLLABLE BIT..YI SYLLABLE YYR  
A490..A4C6 ; Yi # So [55] YI RADICAL QOT..YI RADICAL KE

# Total code points: 1220

# =====

10300..1031E ; Old\_Italic # Lo [31] OLD ITALIC LETTER A..OLD ITALIC LETTER UU  
10320..10323 ; Old\_Italic # No [4] OLD ITALIC NUMERAL ONE..OLD ITALIC NUMERAL FIFTY

# Total code points: 35

# =====

10330..10340 ; Gothic # Lo [17] GOTHIC LETTER AHSÄ..GOTHIC LETTER PAIRTHRA  
10341 ; Gothic # Nl GOTHIC LETTER NINETY  
10342..10349 ; Gothic # Lo [8] GOTHIC LETTER RAIDA..GOTHIC LETTER OTHAL  
1034A ; Gothic # Nl GOTHIC LETTER NINE HUNDRED

# Total code points: 27

# =====

10400..1044F ; Deseret # L& [80] DESERET CAPITAL LETTER LONG I..DESERET SMALL LETTER EW

# Total code points: 80

# =====





0300..036F	; Inherited # Mn [112]	COMBINING GRAVE ACCENT..COMBINING LATIN SMALL LETTER X
0485..0486	; Inherited # Mn [2]	COMBINING CYRILLIC DASIA PNEUMATA..COMBINING CYRILLIC PSILI PNEUMATA
064B..0655	; Inherited # Mn [11]	ARABIC FATHATAN..ARABIC HAMZA BELOW
0670	; Inherited # Mn	ARABIC LETTER SUPERScript ALEF
0951..0952	; Inherited # Mn [2]	DEVANAGARI STRESS SIGN UDATTA..DEVANAGARI STRESS SIGN ANUDATTA
1CD0..1CD2	; Inherited # Mn [3]	VEDIC TONE KARSHANA..VEDIC TONE PRENKHA
1CD4..1CE0	; Inherited # Mn [13]	VEDIC SIGN YAJURVEDIC MIDLINE SVARITA..VEDIC TONE RIGVEDIC KASHMIRI INDEPENDENT SVARITA
1CE2..1CE8	; Inherited # Mn [7]	VEDIC SIGN VISARGA SVARITA..VEDIC SIGN VISARGA ANUDATTA WITH TAIL
1CED	; Inherited # Mn	VEDIC SIGN TIRYAK
1CF4	; Inherited # Mn	VEDIC TONE CANDRA ABOVE
1DC0..1DE6	; Inherited # Mn [39]	COMBINING DOTTED GRAVE ACCENT..COMBINING LATIN SMALL LETTER Z
1DFC..1DFF	; Inherited # Mn [4]	COMBINING DOUBLE INVERTED BREVE BELOW..COMBINING RIGHT ARROWHEAD AND DOWN ARROWHEAD BELOW
200C..200D	; Inherited # Cf [2]	ZERO WIDTH NON-JOINER..ZERO WIDTH JOINER
20D0..20DC	; Inherited # Mn [13]	COMBINING LEFT HARPOON ABOVE..COMBINING FOUR DOTS ABOVE
20DD..20E0	; Inherited # Me [4]	COMBINING ENCLOSING CIRCLE..COMBINING ENCLOSING CIRCLE BACKSLASH
20E1	; Inherited # Mn	COMBINING LEFT RIGHT ARROW ABOVE
20E2..20E4	; Inherited # Me [3]	COMBINING ENCLOSING SCREEN..COMBINING ENCLOSING UPWARD POINTING TRIANGLE
20E5..20F0	; Inherited # Mn [12]	COMBINING REVERSE SOLIDUS OVERLAY..COMBINING ASTERISK ABOVE
302A..302D	; Inherited # Mn [4]	IDEOGRAPHIC LEVEL TONE MARK..IDEOGRAPHIC ENTERING TONE MARK
3099..309A	; Inherited # Mn [2]	COMBINING KATAKANA-HIRAGANA VOICED SOUND MARK..COMBINING KATAKANA-HIRAGANA SEMI-VOICED SOUND MARK
FE00..FE0F	; Inherited # Mn [16]	VARIATION SELECTOR-1..VARIATION SELECTOR-16
FE20..FE26	; Inherited # Mn [7]	COMBINING LIGATURE LEFT HALF..COMBINING CONJOINING MACRON
101FD	; Inherited # Mn	PHAISTOS DISC SIGN COMBINING OBLIQUE STROKE
1D167..1D169	; Inherited # Mn [3]	MUSICAL SYMBOL COMBINING TREMOLO-1..MUSICAL SYMBOL COMBINING TREMOLO-3



1D17B..1D182 ; Inherited # Mn [8] MUSICAL SYMBOL COMBINING ACCENT..MUSICAL SYMBOL COMBINING LOURE

1D185..1D18B ; Inherited # Mn [7] MUSICAL SYMBOL COMBINING DOIT..MUSICAL SYMBOL COMBINING TRIPLE TONGUE

1D1AA..1D1AD ; Inherited # Mn [4] MUSICAL SYMBOL COMBINING DOWN BOW..MUSICAL SYMBOL COMBINING SNAP PIZZICATO

E0100..E01EF ; Inherited # Mn [240] VARIATION SELECTOR-17..VARIATION SELECTOR-256

# Total code points: 523

# =====

1700..170C ; Tagalog # Lo [13] TAGALOG LETTER A..TAGALOG LETTER YA

170E..1711 ; Tagalog # Lo [4] TAGALOG LETTER LA..TAGALOG LETTER HA

1712..1714 ; Tagalog # Mn [3] TAGALOG VOWEL SIGN I..TAGALOG SIGN VIRAMA

# Total code points: 20

# =====

1720..1731 ; Hanunoo # Lo [18] HANUNOO LETTER A..HANUNOO LETTER HA

1732..1734 ; Hanunoo # Mn [3] HANUNOO VOWEL SIGN I..HANUNOO SIGN PAMUDPOD

# Total code points: 21

# =====

1740..1751 ; Buhid # Lo [18] BUHID LETTER A..BUHID LETTER HA

1752..1753 ; Buhid # Mn [2] BUHID VOWEL SIGN I..BUHID VOWEL SIGN U

# Total code points: 20

# =====

1760..176C ; Tagbanwa # Lo [13] TAGBANWA LETTER A..TAGBANWA LETTER YA



176E..1770 ; Tagbanwa # Lo [3] TAGBANWA LETTER LA..TAGBANWA LETTER SA  
1772..1773 ; Tagbanwa # Mn [2] TAGBANWA VOWEL SIGN I..TAGBANWA VOWEL SIGN U

# Total code points: 18

# =====

1900..191C ; Limbu # Lo [29] LIMBU VOWEL-CARRIER LETTER..LIMBU LETTER HA  
1920..1922 ; Limbu # Mn [3] LIMBU VOWEL SIGN A..LIMBU VOWEL SIGN U  
1923..1926 ; Limbu # Mc [4] LIMBU VOWEL SIGN EE..LIMBU VOWEL SIGN AU  
1927..1928 ; Limbu # Mn [2] LIMBU VOWEL SIGN E..LIMBU VOWEL SIGN O  
1929..192B ; Limbu # Mc [3] LIMBU SUBJOINED LETTER YA..LIMBU SUBJOINED LETTER WA  
1930..1931 ; Limbu # Mc [2] LIMBU SMALL LETTER KA..LIMBU SMALL LETTER NGA  
1932 ; Limbu # Mn LIMBU SMALL LETTER ANUSVARA  
1933..1938 ; Limbu # Mc [6] LIMBU SMALL LETTER TA..LIMBU SMALL LETTER LA  
1939..193B ; Limbu # Mn [3] LIMBU SIGN MUKPHRENG..LIMBU SIGN SA-I  
1940 ; Limbu # So LIMBU SIGN LOO  
1944..1945 ; Limbu # Po [2] LIMBU EXCLAMATION MARK..LIMBU QUESTION MARK  
1946..194F ; Limbu # Nd [10] LIMBU DIGIT ZERO..LIMBU DIGIT NINE

# Total code points: 66

# =====

1950..196D ; Tai\_Le # Lo [30] TAI LE LETTER KA..TAI LE LETTER AI  
1970..1974 ; Tai\_Le # Lo [5] TAI LE LETTER TONE-2..TAI LE LETTER TONE-6

# Total code points: 35

# =====

10000..1000B ; Linear\_B # Lo [12] LINEAR B SYLLABLE B008 A..LINEAR B SYLLABLE B046 JE  
1000D..10026 ; Linear\_B # Lo [26] LINEAR B SYLLABLE B036 JO..LINEAR B SYLLABLE B032 QO  
10028..1003A ; Linear\_B # Lo [19] LINEAR B SYLLABLE B060 RA..LINEAR B SYLLABLE B042 WO



1003C..1003D ; Linear\_B # Lo [2] LINEAR B SYLLABLE B017 ZA..LINEAR B SYLLABLE B074 ZE  
1003F..1004D ; Linear\_B # Lo [15] LINEAR B SYLLABLE B020 ZO..LINEAR B SYLLABLE B091  
TWO  
10050..1005D ; Linear\_B # Lo [14] LINEAR B SYMBOL B018..LINEAR B SYMBOL B089  
10080..100FA ; Linear\_B # Lo [123] LINEAR B IDEOGRAM B100 MAN..LINEAR B IDEOGRAM VESSEL  
B305

# Total code points: 211

# =====

10380..1039D ; Ugaritic # Lo [30] UGARITIC LETTER ALPA..UGARITIC LETTER SSU  
1039F ; Ugaritic # Po UGARITIC WORD DIVIDER

# Total code points: 31

# =====

10450..1047F ; Shavian # Lo [48] SHAVIAN LETTER PEEP..SHAVIAN LETTER YEW

# Total code points: 48

# =====

10480..1049D ; Osmanya # Lo [30] OSMANYA LETTER ALEF..OSMANYA LETTER OO  
104A0..104A9 ; Osmanya # Nd [10] OSMANYA DIGIT ZERO..OSMANYA DIGIT NINE

# Total code points: 40

# =====

10800..10805 ; Cypriot # Lo [6] CYPRIOT SYLLABLE A..CYPRIOT SYLLABLE JA  
10808 ; Cypriot # Lo CYPRIOT SYLLABLE JO  
1080A..10835 ; Cypriot # Lo [44] CYPRIOT SYLLABLE KA..CYPRIOT SYLLABLE WO  
10837..10838 ; Cypriot # Lo [2] CYPRIOT SYLLABLE XA..CYPRIOT SYLLABLE XE



1083C ; Cypriot # Lo CYPRIOT SYLLABLE ZA  
1083F ; Cypriot # Lo CYPRIOT SYLLABLE ZO

# Total code points: 55

# =====

2800..28FF ; Braille # So [256] BRAILLE PATTERN BLANK..BRAILLE PATTERN DOTS-12345678

# Total code points: 256

# =====

1A00..1A16 ; Buginese # Lo [23] BUGINESE LETTER KA..BUGINESE LETTER HA  
1A17..1A18 ; Buginese # Mn [2] BUGINESE VOWEL SIGN I..BUGINESE VOWEL SIGN U  
1A19..1A1B ; Buginese # Mc [3] BUGINESE VOWEL SIGN E..BUGINESE VOWEL SIGN AE  
1A1E..1A1F ; Buginese # Po [2] BUGINESE PALLAWA..BUGINESE END OF SECTION

# Total code points: 30

# =====

03E2..03EF ; Coptic # L& [14] COPTIC CAPITAL LETTER SHEI..COPTIC SMALL LETTER DEI  
2C80..2CE4 ; Coptic # L& [101] COPTIC CAPITAL LETTER ALFA..COPTIC SYMBOL KAI  
2CE5..2CEA ; Coptic # So [6] COPTIC SYMBOL MI RO..COPTIC SYMBOL SHIMA SIMA  
2CEB..2CEE ; Coptic # L& [4] COPTIC CAPITAL LETTER CRYPTOGRAMMIC SHEI..COPTIC SMALL LETTER CRYPTOGRAMMIC GANGIA  
2CEF..2CF1 ; Coptic # Mn [3] COPTIC COMBINING NI ABOVE..COPTIC COMBINING SPIRITUS LENIS  
2CF2..2CF3 ; Coptic # L& [2] COPTIC CAPITAL LETTER BOHAIRIC KHEI..COPTIC SMALL LETTER BOHAIRIC KHEI  
2CF9..2CFC ; Coptic # Po [4] COPTIC OLD NUBIAN FULL STOP..COPTIC OLD NUBIAN VERSE DIVIDER  
2CFD ; Coptic # No COPTIC FRACTION ONE HALF  
2CFE..2CFF ; Coptic # Po [2] COPTIC FULL STOP..COPTIC MORPHOLOGICAL DIVIDER



# Total code points: 137

# =====

1980..19AB ; New\_Tai\_Lue # Lo [44] NEW TAI LUE LETTER HIGH QA..NEW TAI LUE LETTER LOW SUA

19B0..19C0 ; New\_Tai\_Lue # Mc [17] NEW TAI LUE VOWEL SIGN VOWEL SHORTENER..NEW TAI LUE VOWEL SIGN IY

19C1..19C7 ; New\_Tai\_Lue # Lo [7] NEW TAI LUE LETTER FINAL V..NEW TAI LUE LETTER FINAL B

19C8..19C9 ; New\_Tai\_Lue # Mc [2] NEW TAI LUE TONE MARK-1..NEW TAI LUE TONE MARK-2

19D0..19D9 ; New\_Tai\_Lue # Nd [10] NEW TAI LUE DIGIT ZERO..NEW TAI LUE DIGIT NINE

19DA ; New\_Tai\_Lue # No NEW TAI LUE THAM DIGIT ONE

19DE..19DF ; New\_Tai\_Lue # So [2] NEW TAI LUE SIGN LAE..NEW TAI LUE SIGN LAEV

# Total code points: 83

# =====

2C00..2C2E ; Glagolitic # L& [47] GLAGOLITIC CAPITAL LETTER AZU..GLAGOLITIC CAPITAL LETTER LATINATE MYSLITE

2C30..2C5E ; Glagolitic # L& [47] GLAGOLITIC SMALL LETTER AZU..GLAGOLITIC SMALL LETTER LATINATE MYSLITE

# Total code points: 94

# =====

2D30..2D67 ; Tifinagh # Lo [56] TIFINAGH LETTER YA..TIFINAGH LETTER YO

2D6F ; Tifinagh # Lm TIFINAGH MODIFIER LETTER LABIALIZATION MARK

2D70 ; Tifinagh # Po TIFINAGH SEPARATOR MARK

2D7F ; Tifinagh # Mn TIFINAGH CONSONANT JOINER

# Total code points: 59

# =====



A800..A801 ; Syloti\_Nagri # Lo [2] SYLOTI NAGRI LETTER A..SYLOTI NAGRI LETTER I  
A802 ; Syloti\_Nagri # Mn SYLOTI NAGRI SIGN DVISVARA  
A803..A805 ; Syloti\_Nagri # Lo [3] SYLOTI NAGRI LETTER U..SYLOTI NAGRI LETTER O  
A806 ; Syloti\_Nagri # Mn SYLOTI NAGRI SIGN HASANTA  
A807..A80A ; Syloti\_Nagri # Lo [4] SYLOTI NAGRI LETTER KO..SYLOTI NAGRI LETTER GH  
A80B ; Syloti\_Nagri # Mn SYLOTI NAGRI SIGN ANUSVARA  
A80C..A822 ; Syloti\_Nagri # Lo [23] SYLOTI NAGRI LETTER CO..SYLOTI NAGRI LETTER HO  
A823..A824 ; Syloti\_Nagri # Mc [2] SYLOTI NAGRI VOWEL SIGN A..SYLOTI NAGRI VOWEL  
SIGN I  
A825..A826 ; Syloti\_Nagri # Mn [2] SYLOTI NAGRI VOWEL SIGN U..SYLOTI NAGRI VOWEL  
SIGN E  
A827 ; Syloti\_Nagri # Mc SYLOTI NAGRI VOWEL SIGN OO  
A828..A82B ; Syloti\_Nagri # So [4] SYLOTI NAGRI POETRY MARK-1..SYLOTI NAGRI POETRY  
MARK-4

# Total code points: 44

# =====

103A0..103C3 ; Old\_Persian # Lo [36] OLD PERSIAN SIGN A..OLD PERSIAN SIGN HA  
103C8..103CF ; Old\_Persian # Lo [8] OLD PERSIAN SIGN AURAMAZDAA..OLD PERSIAN SIGN  
BUUMISH  
103D0 ; Old\_Persian # Po OLD PERSIAN WORD DIVIDER  
103D1..103D5 ; Old\_Persian # Nl [5] OLD PERSIAN NUMBER ONE..OLD PERSIAN NUMBER  
HUNDRED

# Total code points: 50

# =====

10A00 ; Kharoshthi # Lo KHAROSHTHI LETTER A  
10A01..10A03 ; Kharoshthi # Mn [3] KHAROSHTHI VOWEL SIGN I..KHAROSHTHI VOWEL SIGN  
VOCALIC R  
10A05..10A06 ; Kharoshthi # Mn [2] KHAROSHTHI VOWEL SIGN E..KHAROSHTHI VOWEL SIGN O  
10A0C..10A0F ; Kharoshthi # Mn [4] KHAROSHTHI VOWEL LENGTH MARK..KHAROSHTHI SIGN  
VISARGA



10A10..10A13 ; Kharoshthi # Lo [4] KHAROSHTHI LETTER KA..KHAROSHTHI LETTER GHA  
 10A15..10A17 ; Kharoshthi # Lo [3] KHAROSHTHI LETTER CA..KHAROSHTHI LETTER JA  
 10A19..10A33 ; Kharoshthi # Lo [27] KHAROSHTHI LETTER NYA..KHAROSHTHI LETTER TTTHA  
 10A38..10A3A ; Kharoshthi # Mn [3] KHAROSHTHI SIGN BAR ABOVE..KHAROSHTHI SIGN DOT BELOW  
 10A3F ; Kharoshthi # Mn KHAROSHTHI VIRAMA  
 10A40..10A47 ; Kharoshthi # No [8] KHAROSHTHI DIGIT ONE..KHAROSHTHI NUMBER ONE THOUSAND  
 10A50..10A58 ; Kharoshthi # Po [9] KHAROSHTHI PUNCTUATION DOT..KHAROSHTHI PUNCTUATION LINES

# Total code points: 65

# =====

1B00..1B03 ; Balinese # Mn [4] BALINESE SIGN ULU RICEM..BALINESE SIGN SURANG  
 1B04 ; Balinese # Mc BALINESE SIGN BISAH  
 1B05..1B33 ; Balinese # Lo [47] BALINESE LETTER AKARA..BALINESE LETTER HA  
 1B34 ; Balinese # Mn BALINESE SIGN REREKAN  
 1B35 ; Balinese # Mc BALINESE VOWEL SIGN TEDUNG  
 1B36..1B3A ; Balinese # Mn [5] BALINESE VOWEL SIGN ULU..BALINESE VOWEL SIGN RA REPA  
 1B3B ; Balinese # Mc BALINESE VOWEL SIGN RA REPA TEDUNG  
 1B3C ; Balinese # Mn BALINESE VOWEL SIGN LA LENGA  
 1B3D..1B41 ; Balinese # Mc [5] BALINESE VOWEL SIGN LA LENGA TEDUNG..BALINESE VOWEL SIGN TALING REPA TEDUNG  
 1B42 ; Balinese # Mn BALINESE VOWEL SIGN PEPET  
 1B43..1B44 ; Balinese # Mc [2] BALINESE VOWEL SIGN PEPET TEDUNG..BALINESE ADEG ADEG  
 1B45..1B4B ; Balinese # Lo [7] BALINESE LETTER KAF SASAK..BALINESE LETTER ASYURA SASAK  
 1B50..1B59 ; Balinese # Nd [10] BALINESE DIGIT ZERO..BALINESE DIGIT NINE  
 1B5A..1B60 ; Balinese # Po [7] BALINESE PANTI..BALINESE PAMENENG  
 1B61..1B6A ; Balinese # So [10] BALINESE MUSICAL SYMBOL DONG..BALINESE MUSICAL SYMBOL DANG GEDE  
 1B6B..1B73 ; Balinese # Mn [9] BALINESE MUSICAL SYMBOL COMBINING TEGEH..BALINESE MUSICAL SYMBOL COMBINING GONG  
 1B74..1B7C ; Balinese # So [9] BALINESE MUSICAL SYMBOL RIGHT-HAND OPEN DUG..BALINESE MUSICAL SYMBOL LEFT-HAND OPEN PING





# Total code points: 121

# =====

12000..1236E ; Cuneiform # Lo [879] CUNEIFORM SIGN A..CUNEIFORM SIGN ZUM

12400..12462 ; Cuneiform # Nl [99] CUNEIFORM NUMERIC SIGN TWO ASH..CUNEIFORM NUMERIC SIGN OLD ASSYRIAN ONE QUARTER

12470..12473 ; Cuneiform # Po [4] CUNEIFORM PUNCTUATION SIGN OLD ASSYRIAN WORD DIVIDER..CUNEIFORM PUNCTUATION SIGN DIAGONAL TRICOLON

# Total code points: 982

# =====

10900..10915 ; Phoenician # Lo [22] PHOENICIAN LETTER ALF..PHOENICIAN LETTER TAU

10916..1091B ; Phoenician # No [6] PHOENICIAN NUMBER ONE..PHOENICIAN NUMBER THREE

1091F ; Phoenician # Po PHOENICIAN WORD SEPARATOR

# Total code points: 29

# =====

A840..A873 ; Phags\_Pa # Lo [52] PHAGS-PA LETTER KA..PHAGS-PA LETTER CANDRABINDU

A874..A877 ; Phags\_Pa # Po [4] PHAGS-PA SINGLE HEAD MARK..PHAGS-PA MARK DOUBLE SHAD

# Total code points: 56

# =====

07C0..07C9 ; Nko # Nd [10] NKO DIGIT ZERO..NKO DIGIT NINE

07CA..07EA ; Nko # Lo [33] NKO LETTER A..NKO LETTER JONA RA

07EB..07F3 ; Nko # Mn [9] NKO COMBINING SHORT HIGH TONE..NKO COMBINING DOUBLE DOT ABOVE

07F4..07F5 ; Nko # Lm [2] NKO HIGH TONE APOSTROPHE..NKO LOW TONE APOSTROPHE



07F6 ; Nko # So NKO SYMBOL OO DENNEN  
07F7..07F9 ; Nko # Po [3] NKO SYMBOL GBAKURUNEN..NKO EXCLAMATION MARK  
07FA ; Nko # Lm NKO LAJANYALAN

# Total code points: 59

# =====

1B80..1B81 ; Sundanese # Mn [2] SUNDANESE SIGN PANYECEK..SUNDANESE SIGN PANGLAYAR  
1B82 ; Sundanese # Mc SUNDANESE SIGN PANGWISAD  
1B83..1BA0 ; Sundanese # Lo [30] SUNDANESE LETTER A..SUNDANESE LETTER HA  
1BA1 ; Sundanese # Mc SUNDANESE CONSONANT SIGN PAMINGKAL  
1BA2..1BA5 ; Sundanese # Mn [4] SUNDANESE CONSONANT SIGN PANYAKRA..SUNDANESE VOWEL  
SIGN PANYUKU  
1BA6..1BA7 ; Sundanese # Mc [2] SUNDANESE VOWEL SIGN PANAELEAENG..SUNDANESE VOWEL  
SIGN PANOLONG  
1BA8..1BA9 ; Sundanese # Mn [2] SUNDANESE VOWEL SIGN PAMEPET..SUNDANESE VOWEL SIGN  
PANEULEUNG  
1BAA ; Sundanese # Mc SUNDANESE SIGN PAMAAEH  
1BAB ; Sundanese # Mn SUNDANESE SIGN VIRAMA  
1BAC..1BAD ; Sundanese # Mc [2] SUNDANESE CONSONANT SIGN PASANGAN MA..SUNDANESE  
CONSONANT SIGN PASANGAN WA  
1BAE..1BAF ; Sundanese # Lo [2] SUNDANESE LETTER KHA..SUNDANESE LETTER SYA  
1BB0..1BB9 ; Sundanese # Nd [10] SUNDANESE DIGIT ZERO..SUNDANESE DIGIT NINE  
1BBA..1BBF ; Sundanese # Lo [6] SUNDANESE AVAGRAHA..SUNDANESE LETTER FINAL M  
1CC0..1CC7 ; Sundanese # Po [8] SUNDANESE PUNCTUATION BINDU SURYA..SUNDANESE  
PUNCTUATION BINDU BA SATANGA

# Total code points: 72

# =====

1C00..1C23 ; Lepcha # Lo [36] LEPCHA LETTER KA..LEPCHA LETTER A  
1C24..1C2B ; Lepcha # Mc [8] LEPCHA SUBJOINED LETTER YA..LEPCHA VOWEL SIGN UU  
1C2C..1C33 ; Lepcha # Mn [8] LEPCHA VOWEL SIGN E..LEPCHA CONSONANT SIGN T



1C34..1C35 ; Lepcha # Mc [2] LEPCHA CONSONANT SIGN NYIN-DO..LEPCHA CONSONANT SIGN KANG  
1C36..1C37 ; Lepcha # Mn [2] LEPCHA SIGN RAN..LEPCHA SIGN NUKTA  
1C3B..1C3F ; Lepcha # Po [5] LEPCHA PUNCTUATION TA-ROL..LEPCHA PUNCTUATION TSHOOK  
1C40..1C49 ; Lepcha # Nd [10] LEPCHA DIGIT ZERO..LEPCHA DIGIT NINE  
1C4D..1C4F ; Lepcha # Lo [3] LEPCHA LETTER TTA..LEPCHA LETTER DDA

# Total code points: 74

# =====

1C50..1C59 ; Ol\_Chiki # Nd [10] OL CHIKI DIGIT ZERO..OL CHIKI DIGIT NINE  
1C5A..1C77 ; Ol\_Chiki # Lo [30] OL CHIKI LETTER LA..OL CHIKI LETTER OH  
1C78..1C7D ; Ol\_Chiki # Lm [6] OL CHIKI MU TTUDDAG..OL CHIKI AHAD  
1C7E..1C7F ; Ol\_Chiki # Po [2] OL CHIKI PUNCTUATION MUCAAD..OL CHIKI PUNCTUATION DOUBLE MUCAAD

# Total code points: 48

# =====

A500..A60B ; Vai # Lo [268] VAI SYLLABLE EE..VAI SYLLABLE NG  
A60C ; Vai # Lm VAI SYLLABLE LENGTHENER  
A60D..A60F ; Vai # Po [3] VAI COMMA..VAI QUESTION MARK  
A610..A61F ; Vai # Lo [16] VAI SYLLABLE NDOLE FA..VAI SYMBOL JONG  
A620..A629 ; Vai # Nd [10] VAI DIGIT ZERO..VAI DIGIT NINE  
A62A..A62B ; Vai # Lo [2] VAI SYLLABLE NDOLE MA..VAI SYLLABLE NDOLE DO

# Total code points: 300

# =====

A880..A881 ; Saurashtra # Mc [2] SAURASHTRA SIGN ANUSVARA..SAURASHTRA SIGN VISARGA  
A882..A8B3 ; Saurashtra # Lo [50] SAURASHTRA LETTER A..SAURASHTRA LETTER LLA



A8B4..A8C3 ; Saurashtra # Mc [16] SAURASHTRA CONSONANT SIGN HAARU..SAURASHTRA VOWEL SIGN AU

A8C4 ; Saurashtra # Mn SAURASHTRA SIGN VIRAMA

A8CE..A8CF ; Saurashtra # Po [2] SAURASHTRA DANDA..SAURASHTRA DOUBLE DANDA

A8D0..A8D9 ; Saurashtra # Nd [10] SAURASHTRA DIGIT ZERO..SAURASHTRA DIGIT NINE

# Total code points: 81

# =====

A900..A909 ; Kayah\_Li # Nd [10] KAYAH LI DIGIT ZERO..KAYAH LI DIGIT NINE

A90A..A925 ; Kayah\_Li # Lo [28] KAYAH LI LETTER KA..KAYAH LI LETTER OO

A926..A92D ; Kayah\_Li # Mn [8] KAYAH LI VOWEL UE..KAYAH LI TONE CALYA PLOPHU

A92E..A92F ; Kayah\_Li # Po [2] KAYAH LI SIGN CWI..KAYAH LI SIGN SHYA

# Total code points: 48

# =====

A930..A946 ; Rejang # Lo [23] REJANG LETTER KA..REJANG LETTER A

A947..A951 ; Rejang # Mn [11] REJANG VOWEL SIGN I..REJANG CONSONANT SIGN R

A952..A953 ; Rejang # Mc [2] REJANG CONSONANT SIGN H..REJANG VIRAMA

A95F ; Rejang # Po REJANG SECTION MARK

# Total code points: 37

# =====

10280..1029C ; Lycian # Lo [29] LYCIAN LETTER A..LYCIAN LETTER X

# Total code points: 29

# =====



102A0..102D0 ; Carian # Lo [49] CARIAN LETTER A..CARIAN LETTER UUU3

# Total code points: 49

# =====

10920..10939 ; Lydian # Lo [26] LYDIAN LETTER A..LYDIAN LETTER C

1093F ; Lydian # Po LYDIAN TRIANGULAR MARK

# Total code points: 27

# =====

AA00..AA28 ; Cham # Lo [41] CHAM LETTER A..CHAM LETTER HA

AA29..AA2E ; Cham # Mn [6] CHAM VOWEL SIGN AA..CHAM VOWEL SIGN OE

AA2F..AA30 ; Cham # Mc [2] CHAM VOWEL SIGN O..CHAM VOWEL SIGN AI

AA31..AA32 ; Cham # Mn [2] CHAM VOWEL SIGN AU..CHAM VOWEL SIGN UE

AA33..AA34 ; Cham # Mc [2] CHAM CONSONANT SIGN YA..CHAM CONSONANT SIGN RA

AA35..AA36 ; Cham # Mn [2] CHAM CONSONANT SIGN LA..CHAM CONSONANT SIGN WA

AA40..AA42 ; Cham # Lo [3] CHAM LETTER FINAL K..CHAM LETTER FINAL NG

AA43 ; Cham # Mn CHAM CONSONANT SIGN FINAL NG

AA44..AA4B ; Cham # Lo [8] CHAM LETTER FINAL CH..CHAM LETTER FINAL SS

AA4C ; Cham # Mn CHAM CONSONANT SIGN FINAL M

AA4D ; Cham # Mc CHAM CONSONANT SIGN FINAL H

AA50..AA59 ; Cham # Nd [10] CHAM DIGIT ZERO..CHAM DIGIT NINE

AA5C..AA5F ; Cham # Po [4] CHAM PUNCTUATION SPIRAL..CHAM PUNCTUATION TRIPLE DANDA

# Total code points: 83

# =====

1A20..1A54 ; Tai\_Tham # Lo [53] TAI THAM LETTER HIGH KA..TAI THAM LETTER GREAT SA

1A55 ; Tai\_Tham # Mc TAI THAM CONSONANT SIGN MEDIAL RA

1A56 ; Tai\_Tham # Mn TAI THAM CONSONANT SIGN MEDIAL LA



1A57	; Tai_Tham # Mc	TAI THAM CONSONANT SIGN LA TANG LAI
1A58..1A5E	; Tai_Tham # Mn	[7] TAI THAM SIGN MAI KANG LAI..TAI THAM CONSONANT SIGN SA
1A60	; Tai_Tham # Mn	TAI THAM SIGN SAKOT
1A61	; Tai_Tham # Mc	TAI THAM VOWEL SIGN A
1A62	; Tai_Tham # Mn	TAI THAM VOWEL SIGN MAI SAT
1A63..1A64	; Tai_Tham # Mc	[2] TAI THAM VOWEL SIGN AA..TAI THAM VOWEL SIGN TALL AA
1A65..1A6C	; Tai_Tham # Mn	[8] TAI THAM VOWEL SIGN I..TAI THAM VOWEL SIGN OA BELOW
1A6D..1A72	; Tai_Tham # Mc	[6] TAI THAM VOWEL SIGN OY..TAI THAM VOWEL SIGN THAM AI
1A73..1A7C	; Tai_Tham # Mn	[10] TAI THAM VOWEL SIGN OA ABOVE..TAI THAM SIGN KHUEN-LUE KARAN
1A7F	; Tai_Tham # Mn	TAI THAM COMBINING CRYPTOGRAMMIC DOT
1A80..1A89	; Tai_Tham # Nd	[10] TAI THAM HORA DIGIT ZERO..TAI THAM HORA DIGIT NINE
1A90..1A99	; Tai_Tham # Nd	[10] TAI THAM THAM DIGIT ZERO..TAI THAM THAM DIGIT NINE
1AA0..1AA6	; Tai_Tham # Po	[7] TAI THAM SIGN WIANG..TAI THAM SIGN REVERSED ROTATED RANA
1AA7	; Tai_Tham # Lm	TAI THAM SIGN MAI YAMOK
1AA8..1AAD	; Tai_Tham # Po	[6] TAI THAM SIGN KAN..TAI THAM SIGN CAANG

# Total code points: 127

# =====

AA80..AAAF	; Tai_Viet # Lo	[48] TAI VIET LETTER LOW KO..TAI VIET LETTER HIGH O
AAB0	; Tai_Viet # Mn	TAI VIET MAI KANG
AAB1	; Tai_Viet # Lo	TAI VIET VOWEL AA
AAB2..AAB4	; Tai_Viet # Mn	[3] TAI VIET VOWEL I..TAI VIET VOWEL U
AAB5..AAB6	; Tai_Viet # Lo	[2] TAI VIET VOWEL E..TAI VIET VOWEL O
AAB7..AAB8	; Tai_Viet # Mn	[2] TAI VIET MAI KHIT..TAI VIET VOWEL IA
AAB9..AABD	; Tai_Viet # Lo	[5] TAI VIET VOWEL UEA..TAI VIET VOWEL AN
AABE..AABF	; Tai_Viet # Mn	[2] TAI VIET VOWEL AM..TAI VIET TONE MAI EK
AAC0	; Tai_Viet # Lo	TAI VIET TONE MAI NUENG
AAC1	; Tai_Viet # Mn	TAI VIET TONE MAI THO
AAC2	; Tai_Viet # Lo	TAI VIET TONE MAI SONG
AADB..AADC	; Tai_Viet # Lo	[2] TAI VIET SYMBOL KON..TAI VIET SYMBOL NUENG



AADD ; Tai\_Viet # Lm TAI VIET SYMBOL SAM  
AADE..AADF ; Tai\_Viet # Po [2] TAI VIET SYMBOL HO HOI..TAI VIET SYMBOL KOI KOI

# Total code points: 72

# =====

10B00..10B35 ; Avestan # Lo [54] AVESTAN LETTER A..AVESTAN LETTER HE  
10B39..10B3F ; Avestan # Po [7] AVESTAN ABBREVIATION MARK..LARGE ONE RING OVER TWO RINGS PUNCTUATION

# Total code points: 61

# =====

13000..1342E ; Egyptian\_Hieroglyphs # Lo [1071] EGYPTIAN HIEROGLYPH A001..EGYPTIAN HIEROGLYPH AA032

# Total code points: 1071

# =====

0800..0815 ; Samaritan # Lo [22] SAMARITAN LETTER ALAF..SAMARITAN LETTER TAAF  
0816..0819 ; Samaritan # Mn [4] SAMARITAN MARK IN..SAMARITAN MARK DAGESH  
081A ; Samaritan # Lm SAMARITAN MODIFIER LETTER EPENTHETIC YUT  
081B..0823 ; Samaritan # Mn [9] SAMARITAN MARK EPENTHETIC YUT..SAMARITAN VOWEL SIGN A  
0824 ; Samaritan # Lm SAMARITAN MODIFIER LETTER SHORT A  
0825..0827 ; Samaritan # Mn [3] SAMARITAN VOWEL SIGN SHORT A..SAMARITAN VOWEL SIGN U  
0828 ; Samaritan # Lm SAMARITAN MODIFIER LETTER I  
0829..082D ; Samaritan # Mn [5] SAMARITAN VOWEL SIGN LONG I..SAMARITAN MARK NEQUDAA  
0830..083E ; Samaritan # Po [15] SAMARITAN PUNCTUATION NEQUDAA..SAMARITAN PUNCTUATION ANNAU

# Total code points: 61



# =====

A4D0..A4F7 ; Lisu # Lo [40] LISU LETTER BA..LISU LETTER OE  
A4F8..A4FD ; Lisu # Lm [6] LISU LETTER TONE MYA TI..LISU LETTER TONE MYA JEU  
A4FE..A4FF ; Lisu # Po [2] LISU PUNCTUATION COMMA..LISU PUNCTUATION FULL STOP

# Total code points: 48

# =====

A6A0..A6E5 ; Bamum # Lo [70] BAMUM LETTER A..BAMUM LETTER KI  
A6E6..A6EF ; Bamum # Nl [10] BAMUM LETTER MO..BAMUM LETTER KOGHOM  
A6F0..A6F1 ; Bamum # Mn [2] BAMUM COMBINING MARK KOQNDON..BAMUM COMBINING MARK  
TUKWENTIS  
A6F2..A6F7 ; Bamum # Po [6] BAMUM NJAEMLI..BAMUM QUESTION MARK  
16800..16A38 ; Bamum # Lo [569] BAMUM LETTER PHASE-A NGKUE MFON..BAMUM LETTER PHASE-F  
VUEQ

# Total code points: 657

# =====

A980..A982 ; Javanese # Mn [3] JAVANESE SIGN PANYANGGA..JAVANESE SIGN LAYAR  
A983 ; Javanese # Mc JAVANESE SIGN WIGNYAN  
A984..A9B2 ; Javanese # Lo [47] JAVANESE LETTER A..JAVANESE LETTER HA  
A9B3 ; Javanese # Mn JAVANESE SIGN CECAK TELU  
A9B4..A9B5 ; Javanese # Mc [2] JAVANESE VOWEL SIGN TARUNG..JAVANESE VOWEL SIGN  
TOLONG  
A9B6..A9B9 ; Javanese # Mn [4] JAVANESE VOWEL SIGN WULU..JAVANESE VOWEL SIGN SUKU  
MENDUT  
A9BA..A9BB ; Javanese # Mc [2] JAVANESE VOWEL SIGN TALING..JAVANESE VOWEL SIGN  
DIRGA MURE  
A9BC ; Javanese # Mn JAVANESE VOWEL SIGN PEPET  
A9BD..A9C0 ; Javanese # Mc [4] JAVANESE CONSONANT SIGN KERET..JAVANESE PANGKON





A9C1..A9CD ; Javanese # Po [13] JAVANESE LEFT RERENGGAN..JAVANESE TURNED PADA  
PISELEH

A9CF ; Javanese # Lm JAVANESE PANGRANGKEP

A9D0..A9D9 ; Javanese # Nd [10] JAVANESE DIGIT ZERO..JAVANESE DIGIT NINE

A9DE..A9DF ; Javanese # Po [2] JAVANESE PADA TIRTA TUMETES..JAVANESE PADA ISEN-ISEN

# Total code points: 91

# =====

AAE0..AAEA ; Meetei\_Mayek # Lo [11] MEETEI MAYEK LETTER E..MEETEI MAYEK LETTER SSA

AAEB ; Meetei\_Mayek # Mc MEETEI MAYEK VOWEL SIGN II

AAEC..AAED ; Meetei\_Mayek # Mn [2] MEETEI MAYEK VOWEL SIGN UU..MEETEI MAYEK VOWEL  
SIGN AAI

AAEE..AAEF ; Meetei\_Mayek # Mc [2] MEETEI MAYEK VOWEL SIGN AU..MEETEI MAYEK VOWEL  
SIGN AAU

AAF0..AAF1 ; Meetei\_Mayek # Po [2] MEETEI MAYEK CHEIKHAN..MEETEI MAYEK AHANG KHUDAM

AAF2 ; Meetei\_Mayek # Lo MEETEI MAYEK ANJI

AAF3..AAF4 ; Meetei\_Mayek # Lm [2] MEETEI MAYEK SYLLABLE REPETITION MARK..MEETEI  
MAYEK WORD REPETITION MARK

AAF5 ; Meetei\_Mayek # Mc MEETEI MAYEK VOWEL SIGN VISARGA

AAF6 ; Meetei\_Mayek # Mn MEETEI MAYEK VIRAMA

ABC0..ABE2 ; Meetei\_Mayek # Lo [35] MEETEI MAYEK LETTER KOK..MEETEI MAYEK LETTER I  
LONSUM

ABE3..ABE4 ; Meetei\_Mayek # Mc [2] MEETEI MAYEK VOWEL SIGN ONAP..MEETEI MAYEK VOWEL  
SIGN INAP

ABE5 ; Meetei\_Mayek # Mn MEETEI MAYEK VOWEL SIGN ANAP

ABE6..ABE7 ; Meetei\_Mayek # Mc [2] MEETEI MAYEK VOWEL SIGN YENAP..MEETEI MAYEK  
VOWEL SIGN SOUNAP

ABE8 ; Meetei\_Mayek # Mn MEETEI MAYEK VOWEL SIGN UNAP

ABE9..ABEA ; Meetei\_Mayek # Mc [2] MEETEI MAYEK VOWEL SIGN CHEINAP..MEETEI MAYEK  
VOWEL SIGN NUNG

ABEB ; Meetei\_Mayek # Po MEETEI MAYEK CHEIKHEI

ABEC ; Meetei\_Mayek # Mc MEETEI MAYEK LUM IYEK

ABED ; Meetei\_Mayek # Mn MEETEI MAYEK APUN IYEK

ABF0..ABF9 ; Meetei\_Mayek # Nd [10] MEETEI MAYEK DIGIT ZERO..MEETEI MAYEK DIGIT NINE



# Total code points: 79

# =====

10840..10855 ; Imperial\_Aramaic # Lo [22] IMPERIAL ARAMAIC LETTER ALEPH..IMPERIAL  
ARAMAIC LETTER TAW

10857 ; Imperial\_Aramaic # Po IMPERIAL ARAMAIC SECTION SIGN

10858..1085F ; Imperial\_Aramaic # No [8] IMPERIAL ARAMAIC NUMBER ONE..IMPERIAL  
ARAMAIC NUMBER TEN THOUSAND

# Total code points: 31

# =====

10A60..10A7C ; Old\_South\_Arabian # Lo [29] OLD SOUTH ARABIAN LETTER HE..OLD SOUTH  
ARABIAN LETTER THETH

10A7D..10A7E ; Old\_South\_Arabian # No [2] OLD SOUTH ARABIAN NUMBER ONE..OLD SOUTH  
ARABIAN NUMBER FIFTY

10A7F ; Old\_South\_Arabian # Po OLD SOUTH ARABIAN NUMERIC INDICATOR

# Total code points: 32

# =====

10B40..10B55 ; Inscriptional\_Parthian # Lo [22] INSCRIPTIONAL PARTHIAN LETTER  
ALEPH..INSCRIPTIONAL PARTHIAN LETTER TAW

10B58..10B5F ; Inscriptional\_Parthian # No [8] INSCRIPTIONAL PARTHIAN NUMBER  
ONE..INSCRIPTIONAL PARTHIAN NUMBER ONE THOUSAND

# Total code points: 30

# =====

10B60..10B72 ; Inscriptional\_Pahlavi # Lo [19] INSCRIPTIONAL PAHLAVI LETTER  
ALEPH..INSCRIPTIONAL PAHLAVI LETTER TAW

10B78..10B7F ; Inscriptional\_Pahlavi # No [8] INSCRIPTIONAL PAHLAVI NUMBER  
ONE..INSCRIPTIONAL PAHLAVI NUMBER ONE THOUSAND



# Total code points: 27

# =====

10C00..10C48 ; Old\_Turkic # Lo [73] OLD TURKIC LETTER ORKHON A..OLD TURKIC LETTER ORKHON BASH

# Total code points: 73

# =====

11080..11081 ; Kaithi # Mn [2] KAITHI SIGN CANDRABINDU..KAITHI SIGN ANUSVARA  
11082 ; Kaithi # Mc KAITHI SIGN VISARGA  
11083..110AF ; Kaithi # Lo [45] KAITHI LETTER A..KAITHI LETTER HA  
110B0..110B2 ; Kaithi # Mc [3] KAITHI VOWEL SIGN AA..KAITHI VOWEL SIGN II  
110B3..110B6 ; Kaithi # Mn [4] KAITHI VOWEL SIGN U..KAITHI VOWEL SIGN AI  
110B7..110B8 ; Kaithi # Mc [2] KAITHI VOWEL SIGN O..KAITHI VOWEL SIGN AU  
110B9..110BA ; Kaithi # Mn [2] KAITHI SIGN VIRAMA..KAITHI SIGN NUKTA  
110BB..110BC ; Kaithi # Po [2] KAITHI ABBREVIATION SIGN..KAITHI ENUMERATION SIGN  
110BD ; Kaithi # Cf KAITHI NUMBER SIGN  
110BE..110C1 ; Kaithi # Po [4] KAITHI SECTION MARK..KAITHI DOUBLE DANDA

# Total code points: 66

# =====

1BC0..1BE5 ; Batak # Lo [38] BATAK LETTER A..BATAK LETTER U  
1BE6 ; Batak # Mn BATAK SIGN TOMPI  
1BE7 ; Batak # Mc BATAK VOWEL SIGN E  
1BE8..1BE9 ; Batak # Mn [2] BATAK VOWEL SIGN PAKPAK E..BATAK VOWEL SIGN EE  
1BEA..1BEC ; Batak # Mc [3] BATAK VOWEL SIGN I..BATAK VOWEL SIGN O  
1BED ; Batak # Mn BATAK VOWEL SIGN KARO O  
1BEE ; Batak # Mc BATAK VOWEL SIGN U



1BEF..1BF1 ; Batak # Mn [3] BATAK VOWEL SIGN U FOR SIMALUNGUN SA..BATAK CONSONANT SIGN H

1BF2..1BF3 ; Batak # Mc [2] BATAK PANGOLAT..BATAK PANONGONAN

1BFC..1BFF ; Batak # Po [4] BATAK SYMBOL BINDU NA METEK..BATAK SYMBOL BINDU PANGOLAT

# Total code points: 56

# =====

11000 ; Brahmi # Mc BRAHMI SIGN CANDRABINDU

11001 ; Brahmi # Mn BRAHMI SIGN ANUSVARA

11002 ; Brahmi # Mc BRAHMI SIGN VISARGA

11003..11037 ; Brahmi # Lo [53] BRAHMI SIGN JIHVAMULIYA..BRAHMI LETTER OLD TAMIL NNA

11038..11046 ; Brahmi # Mn [15] BRAHMI VOWEL SIGN AA..BRAHMI VIRAMA

11047..1104D ; Brahmi # Po [7] BRAHMI DANDA..BRAHMI PUNCTUATION LOTUS

11052..11065 ; Brahmi # No [20] BRAHMI NUMBER ONE..BRAHMI NUMBER ONE THOUSAND

11066..1106F ; Brahmi # Nd [10] BRAHMI DIGIT ZERO..BRAHMI DIGIT NINE

# Total code points: 108

# =====

0840..0858 ; Mandaic # Lo [25] MANDAIC LETTER HALQA..MANDAIC LETTER AIN

0859..085B ; Mandaic # Mn [3] MANDAIC AFFRICATION MARK..MANDAIC GEMINATION MARK

085E ; Mandaic # Po MANDAIC PUNCTUATION

# Total code points: 29

# =====

11100..11102 ; Chakma # Mn [3] CHAKMA SIGN CANDRABINDU..CHAKMA SIGN VISARGA

11103..11126 ; Chakma # Lo [36] CHAKMA LETTER AA..CHAKMA LETTER HAA

11127..1112B ; Chakma # Mn [5] CHAKMA VOWEL SIGN A..CHAKMA VOWEL SIGN UU

1112C ; Chakma # Mc CHAKMA VOWEL SIGN E



1112D..11134 ; Chakma # Mn [8] CHAKMA VOWEL SIGN AI..CHAKMA MAAYYAA  
11136..1113F ; Chakma # Nd [10] CHAKMA DIGIT ZERO..CHAKMA DIGIT NINE  
11140..11143 ; Chakma # Po [4] CHAKMA SECTION MARK..CHAKMA QUESTION MARK

# Total code points: 67

# =====

109A0..109B7 ; Meroitic\_Cursive # Lo [24] MEROITIC CURSIVE LETTER A..MEROITIC CURSIVE LETTER DA  
109BE..109BF ; Meroitic\_Cursive # Lo [2] MEROITIC CURSIVE LOGOGRAM RMT..MEROITIC CURSIVE LOGOGRAM IMN

# Total code points: 26

# =====

10980..1099F ; Meroitic\_Hieroglyphs # Lo [32] MEROITIC HIEROGLYPHIC LETTER A..MEROITIC HIEROGLYPHIC SYMBOL VIDJ-2

# Total code points: 32

# =====

16F00..16F44 ; Miao # Lo [69] MIAO LETTER PA..MIAO LETTER HHA  
16F50 ; Miao # Lo MIAO LETTER NASALIZATION  
16F51..16F7E ; Miao # Mc [46] MIAO SIGN ASPIRATION..MIAO VOWEL SIGN NG  
16F8F..16F92 ; Miao # Mn [4] MIAO TONE RIGHT..MIAO TONE BELOW  
16F93..16F9F ; Miao # Lm [13] MIAO LETTER TONE-2..MIAO LETTER REFORMED TONE-8

# Total code points: 133

# =====

11180..11181 ; Sharada # Mn [2] SHARADA SIGN CANDRABINDU..SHARADA SIGN ANUSVARA



11182 ; Sharada # Mc SHARADA SIGN VISARGA  
 11183..111B2 ; Sharada # Lo [48] SHARADA LETTER A..SHARADA LETTER HA  
 111B3..111B5 ; Sharada # Mc [3] SHARADA VOWEL SIGN AA..SHARADA VOWEL SIGN II  
 111B6..111BE ; Sharada # Mn [9] SHARADA VOWEL SIGN U..SHARADA VOWEL SIGN O  
 111BF..111C0 ; Sharada # Mc [2] SHARADA VOWEL SIGN AU..SHARADA SIGN VIRAMA  
 111C1..111C4 ; Sharada # Lo [4] SHARADA SIGN AVAGRAHA..SHARADA OM  
 111C5..111C8 ; Sharada # Po [4] SHARADA DANDA..SHARADA SEPARATOR  
 111D0..111D9 ; Sharada # Nd [10] SHARADA DIGIT ZERO..SHARADA DIGIT NINE

# Total code points: 83

# =====

110D0..110E8 ; Sora\_Sompeng # Lo [25] SORA SOMPENG LETTER SAH..SORA SOMPENG LETTER MAE  
 110F0..110F9 ; Sora\_Sompeng # Nd [10] SORA SOMPENG DIGIT ZERO..SORA SOMPENG DIGIT NINE

# Total code points: 35

# =====

11680..116AA ; Takri # Lo [43] TAKRI LETTER A..TAKRI LETTER RRA  
 116AB ; Takri # Mn TAKRI SIGN ANUSVARA  
 116AC ; Takri # Mc TAKRI SIGN VISARGA  
 116AD ; Takri # Mn TAKRI VOWEL SIGN AA  
 116AE..116AF ; Takri # Mc [2] TAKRI VOWEL SIGN I..TAKRI VOWEL SIGN II  
 116B0..116B5 ; Takri # Mn [6] TAKRI VOWEL SIGN U..TAKRI VOWEL SIGN AU  
 116B6 ; Takri # Mc TAKRI SIGN VIRAMA  
 116B7 ; Takri # Mn TAKRI SIGN NUKTA  
 116C0..116C9 ; Takri # Nd [10] TAKRI DIGIT ZERO..TAKRI DIGIT NINE

# Total code points: 66

# EOF