



HiFontTool 工具 使用说明

文档版本 00B03
发布日期 2019-01-30

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前 言

产品版本

与本文档相对应的产品版本如下。

产品名称	产品版本
Hi3559	V100
Hi3556	V100
Hi3559A	V100
Hi3559C	V100
Hi3556A	V100
Hi3519A	V100
Hi3518E	V300


读者对象

本文档（本指南）主要适用于以下工程师：





- 技术支持工程师
- 软件开发工程师

符号约定

在本文中可能出现下列标志，它们所代表的含义如下。

符号	说明
 危险	用于警示紧急的危险情形，若不避免，将会导致人员死亡或严重的人身伤害。



符号	说明
 警告	用于警示潜在的危险情形，若不可避免，可能会导致人员死亡或严重的人身伤害。
 注意	用于警示潜在的危险情形，若不可避免，可能会导致中度或轻微的人身伤害。
 注意	用于传递设备或环境安全警示信息，若不可避免，可能会导致设备损坏、数据丢失、设备性能降低或其它不可预知的结果。 不带安全警示符号的“注意”不涉及人身伤害。
 说明	用于突出重要/关键信息、最佳实践和小窍门等。 “说明”不是安全警示信息，不涉及人身、设备及环境伤害信息。

修订记录

修订记录累积了每次文档更新的说明。最新版本的文档包含以前所有文档版本的更新内容。

文档版本 00B03 (2019-01-30)

第 3 次临时版本发布。

添加 Hi3519AV100 和 Hi3518EV300 芯片。

文档版本 00B02 (2017-02-25)

第 2 次临时版本发布。

添加 Hi3556V100 的相关内容。

文档版本 00B01 (2016-07-30)

第 1 次临时版本发布。



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1 HiFontTool 简介

HiFontTool 是专门为需要使用精简字体的用户裁减已有的 True Type 字体文件而设计的，专业字体裁减工具。



2 HiFontTool 主体布局

HiFontTool 工具的主界面大致可划分为上、中、下三个部分。

2.1 上面部分

如图 2-1 所示，位于 HiFontTool 字体裁减工具上面的部分是指命名为 **Preview** 的框架区域，这个区域称为“预览”区域，用来配合“预览”功能的实现。这个部分主要功能是浏览区域用来显示样本字体。

2.2 中间部分

如图 2-1 所示，位于 HiFontTool 字体裁减工具中间的部分是指命名为 **Preview** 的框架区域和命名为 **Generat** 框架区域的中间部分，这个区域功能是辅助用户选择系统字体或外部字体以及字体的大小。这个部分功能主要包括：

- 字体名字或文件路径组合框；
- 对应浏览选择的按钮；
- 选择字体大小的组合框。

2.3 下面部分

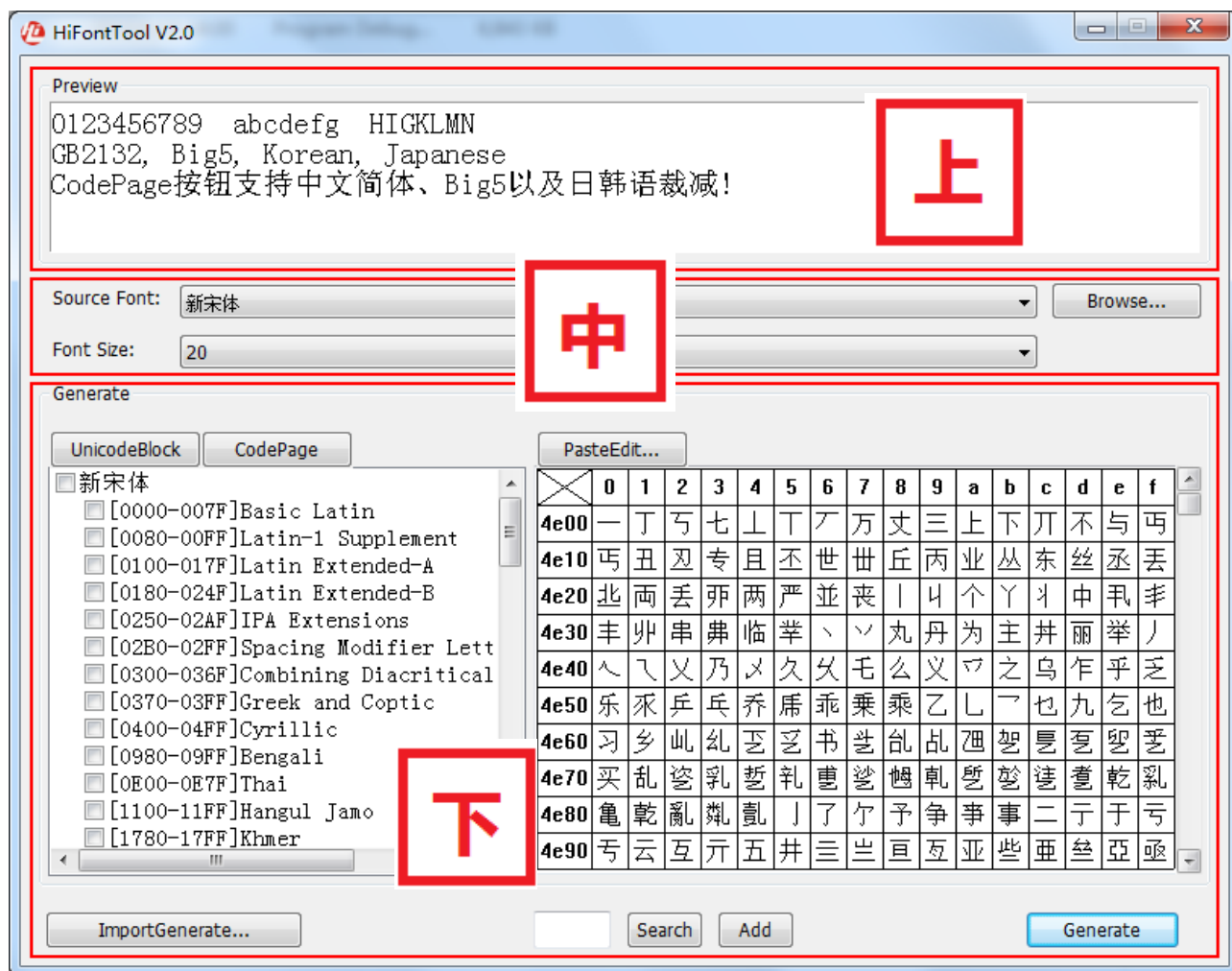
如图 2-1 所示，位于 HiFontTool 字体裁减工具下面的部分是指命名为 **Generate** 的框架区域以下的所有部分，统称为“生成”区域，字体裁减工作的主要任务将在此区域完成。

下面部分主要包括三个区域：

- 裁减和生成方式的切换按钮；
- 块浏览区域和块裁减区域；
- 最下面一行按钮分别提供搜索功能，添加功能以及最后生成操作。



图2-1 HiFontTool 工具的主界面





3 HiFontTool 裁减功能

HiFontTool 字体裁减工具目前提供以下三种裁减方式：

- 通过 Unicode Block 实现裁减
 - Unicode Block 裁减方式通过“生成”区域的“UnicodeBlock”按钮切换。
 - 该裁减方式在块浏览区域列出了供用户选择的 True Type 源字体中定义的 Windows。
 - Unicode 块，并在块裁剪区域同步显示当前块中所有码点，以供用户选择要裁减的 Unicode 块以及要裁减的块中的区段。
- 通过 Code Page 实现裁减
 - Code Page 裁减方式通过“生成”区域的“CodePage”按钮切换。
 - 该裁减方式在块浏览区域列出了供用户选择的 True Type 源字体中定义的 Windows 支持的多语言码页（目前只支持中文简体、繁体，日语韩语），并在块裁剪区域同步显示当前码页中所有码点，以供用户选择要裁减的 Unicode 块以及要裁减的块中的区段。
- 通过“粘贴编辑”实现裁减
 - “粘贴编辑”裁减方式通过“生成”区域的“PasteEdit”按钮切换。
 - 该裁减方式与前两种方式稍有不同，它弹出一个对话框，以供用户在其界面的编辑框中粘贴或输入原始字符，当用户点击“确认”按钮会实现和主界面中的“生成”按钮一样的功能。



4 HiFontTool 操作指南

4.1 选择源字体、调整尺寸，预览

点击字体下拉列表选择一个系统字体名或点击其后的浏览按钮选择一个外部字体文件，这时候位于主界面上部的预览区域会显示相应效果；

如果觉得字体大小不合适，再通过图 2-1 的“中部区域”字体大小列表来选择字体大小，调整至预览满意。

4.2 选择目标码点，生成裁减字体

选择源字体、调整好大小、预览满意后，开始在“生成”区域选择码点。

4.2.1 在 UnicodeBlock 视图下选择码点

如果是工具运行后的首次操作，系统默认采用“UnicodeBlock”裁减方式，否则要首先点击一下“UnicodeBlock”按钮进行切换，如图 4-1 所示。

The screenshot shows the 'Generate' window with the 'UnicodeBlock' tab selected. The 'UnicodeBlock' tab is highlighted with a red circle. Below it, a list of font sets is shown, with a red box around the entire list. The 'All browsing area' label is also highlighted with a red box. The main area displays a grid of characters from the 'Basic Latin' set, with a red box around the entire grid.

	0	1	2	3	4	5		b	c	d	e	f
4e00	一	丁	丅	七	上	下	丌	丌	不	与	丐	
4e10	丐	丑	刃	专	丕	世	卅	丘	丙	业	丛	东
4e20	北	兩	丢	卵	两	严	並	喪	丨	个	丫	斗
4e30	丰	艸	串	弗	临	苹	丶	丸	丹	为	主	井
4e40	人	乚	义	乃	メ	久	父	毛	么	义	冫	之
4e50	乐	禾	兵	乔	席	乖	乘	乘	乙	乚	冫	也
4e60	习	乡	屾	纟	乏	书	𠂇	𠂇	𠂇	𠂇	𠂇	𠂇
4e70	买	乱	姿	乳	哲	軋	豊	𣎵	軋	𣎵	𣎵	𣎵
4e80	龜	乾	亂	𪛗	𪛗	了	予	争	事	事	二	于
4e90	亏	云	互	元	五	井	三	亘	互	亚	些	亜

右边：块内码点浏览区域

步骤 1 首先在左侧的**所有块浏览区域**选择目标 Unicode 块，如上**图 4-2** 所示，单击选择(高亮显示)“Basic Latin”块，则右侧的**块内码点显示区域**同步显示该块内的所有码点。

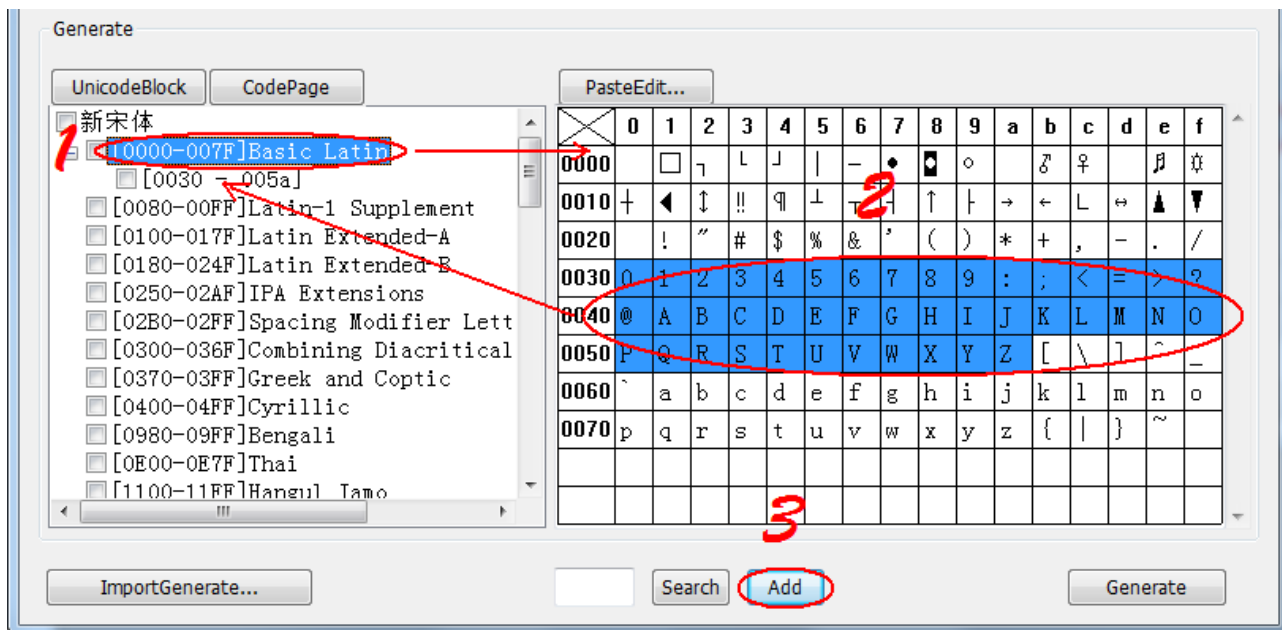
步骤 2 然后在**块内码点显示区域**选择目标码点，鼠标点击选择一个码点，或者选择首尾两个码点，形成一个连续码点的区段(在此可使用拖动和搜索功能)。

步骤 3 单击下面的“添加”按钮，可添加一个连续码点的区段，该区段被添加为**所有块浏览区域**中对应的 Unicode 块子项。

1->2->3 操作可重复多次来完成多个块内目标码点的选择。



图4-2 块浏览区域和块裁减区域截图

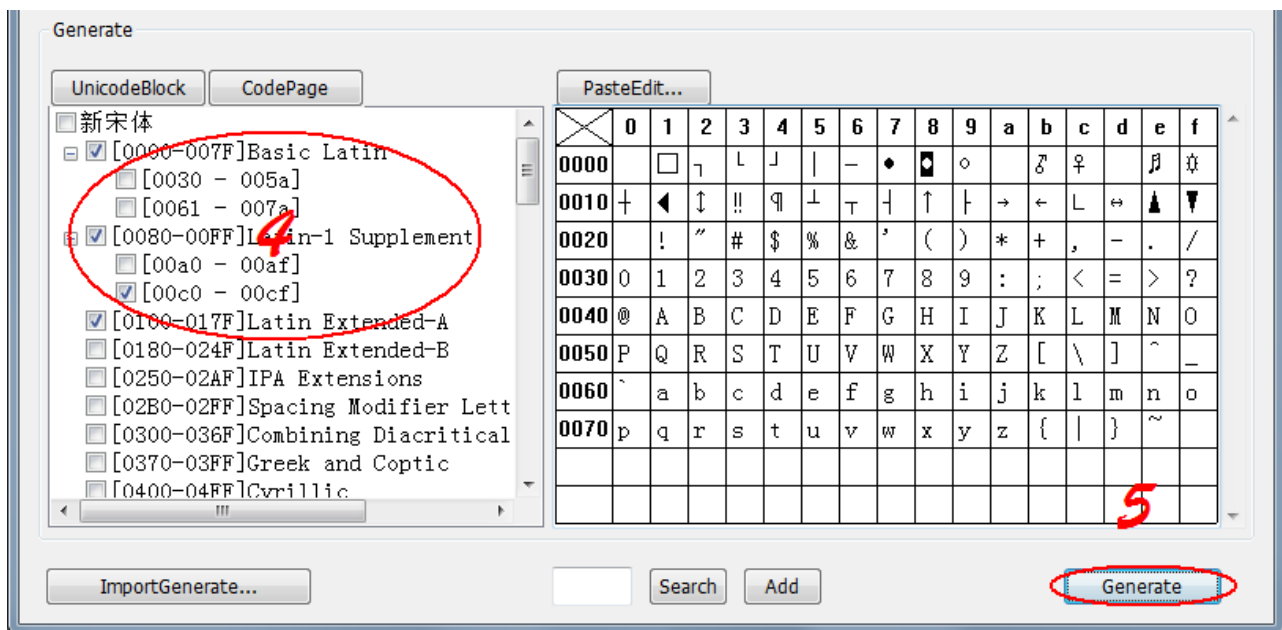


步骤 4 如图 4-3 所示，码点选择完成后，勾选所有块浏览区域中的目标 Unicode 块

- 有子块的将生成勾选子块，如不需要子模块则不勾选，也可使用右键删除功能；
- 无子模块或无勾选子模块，勾选整块的则生成整块。

步骤 5 点击“生成”按钮即可完成生成任务。

图4-3 块浏览区域和块裁减区域截图





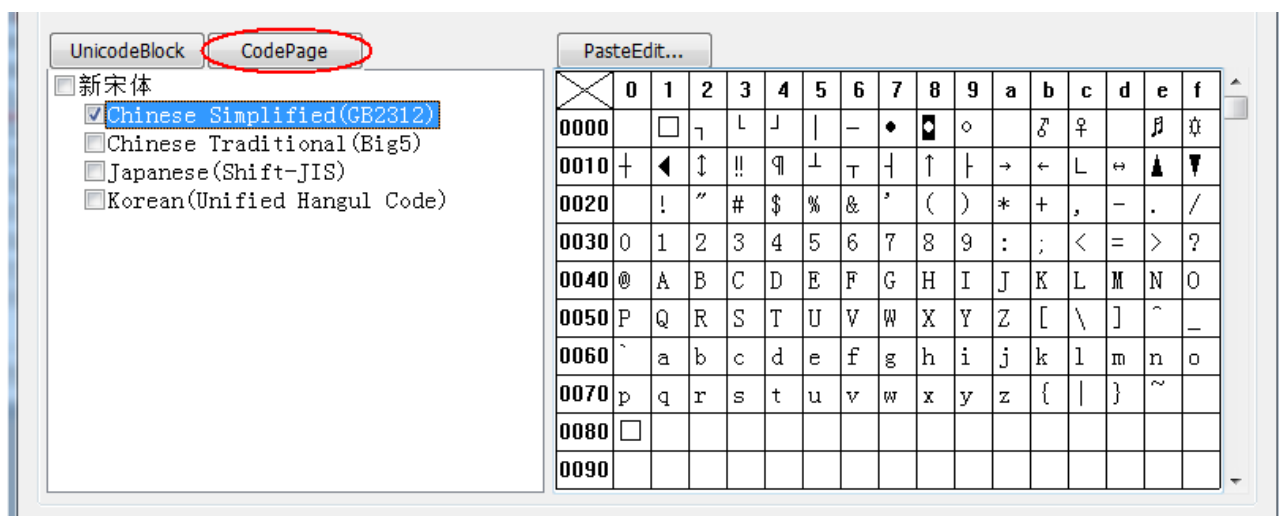
---结束

4.2.2 在 CodePage 视图下选择码点

采用 CodePage 裁减方式与 Unicodeblock 裁减方式的选择操作几近相同。

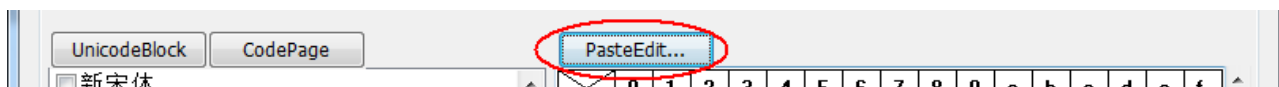
首先点击如图 4-4 所示“CodePage”按钮切换，在**所有码页浏览区域**中选择所需语言的码页，目前工具只支持中日韩等少数几种语言（一种语言对应一个码页），选择码页是单选操作，即 CodePage 裁减方式一次只能生成一个码页，一种语言(而选择块是多选，即一次可以生成多个块，可以是多种语言)。

图4-4 块浏览区域和块裁减区域截图



4.2.3 在“粘贴编辑”弹出对话框中直接输入码点生成裁减字体

图4-5 “PasteEdit”按钮显示框



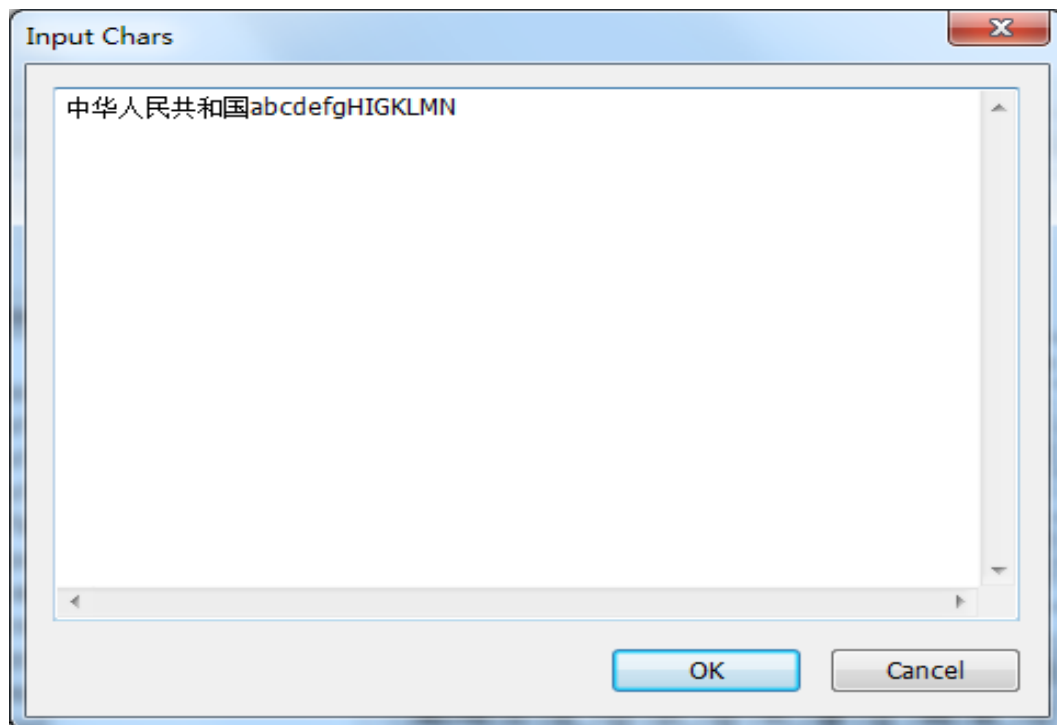
如果采用“粘贴编辑”裁减方式，则需点击“PasteEdit”按钮，此时会弹出如图 4-6 所示的“Input Chars”对话框，在此粘贴或直接输入所需的原始字符，点击“OK”，稍等片刻，如无错误出现，则即可完成生成。

注意

采用“粘贴编辑”方式裁减字体时需注意：

尽量保持粘贴源的字体和当前裁减选择的字体是一致的，否则生成时会使用当前字体对粘贴内容进行过滤。因为很有可能粘贴而来的原始字符在当前字体中是没有字形的而被过滤掉，所以很容易出现找不到有效字符的错误。

图4-6 点击“PasteEdit”弹出显示框

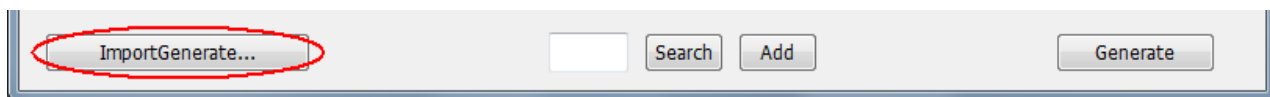


4.2.4 导入 UBF 文件和裁减字体

通过“导入生成”弹出对话框可以导入已有 UBF 文件和当前选择合并生成新的裁减字体

- 点击如图 4-7 所示“ImportGenerate”按钮，弹出如图 4-8 的所示的“Import UBF File”对话框。

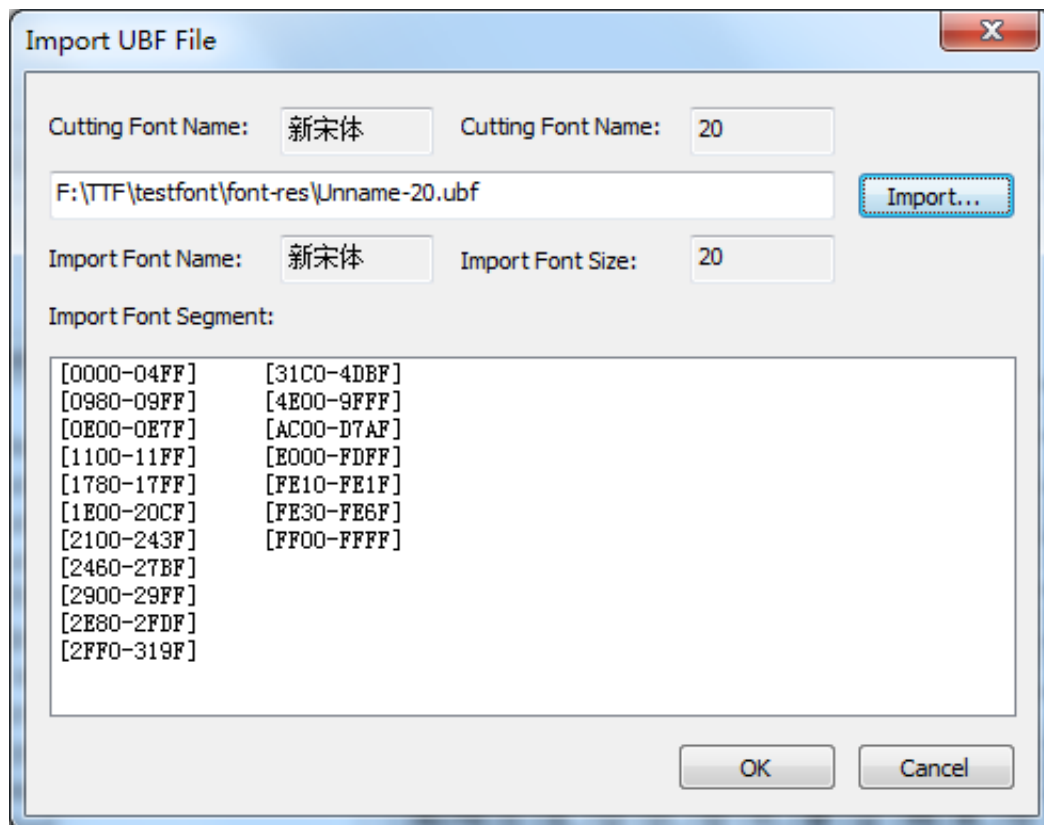
图4-7 “ImportGenerate”按钮显示框



- 在弹出的对话框中点击“Import”按钮即可导入已有的 UBF 文件，导入后字体名字和大小以及文件内所含码点会分段显示在前台列表中。查看后如果确定要使用该文件则直接点击“OK”按钮即可完成和主界面的选择码点的合并生成。



图4-8 “Import UBF File” 显示框



注意

在选择多语言时，使用“CodePage”方式裁减比较直观，但目前工具只支持中日韩等少数几种语言，并且一次只能生成一种语言对应的码页。所以比较灵活的裁减方式还是使用 UnicodeBlock 裁减方式。无论要裁减 UnicodeBlock 中的哪些语言，都要首先了解该语言对应的脚本名字，然后通过下表查询该脚本名字即可获得相应的码点范围，之后再“UnicodeBlock”视图选择生成即可。

部分语言的脚本名称和码点范围对照表

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]	SUPERSCRIFT TWO.. SUPERSCRIFT 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	SUPERSCRIPIT ONE
00BB	; Common # Pf	RIGHT-POINTING DOUBLE ANGLE QUOTATION MARK
00BC..00BE	; 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	; Common # Lm	[9] MODIFIER LETTER PRIME..MODIFIER LETTER REVERSED GLOTTAL STOP
02C2..02C5	; 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	; Common # Sk	[14] MODIFIER LETTER CENTRED RIGHT HALF RING..MODIFIER LETTER CROSS ACCENT
02E5..02E9	; 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	; 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 DOTS	; 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 PUNCTUATION	; 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 VAMAGOMUKHA WITH TAIL	; Common # Lo	[4]	VEDIC SIGN ANUSVARA ANTARGOMUKHA..VEDIC SIGN ANUSVARA VAMAGOMUKHA WITH TAIL
1CEE..1CF1 UBHAYATO MUKHA	; Common # Lo	[4]	VEDIC SIGN HEXIFORM LONG ANUSVARA..VEDIC SIGN ANUSVARA UBHAYATO MUKHA
1CF2..1CF3 ARDHAVISARGA	; 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 QUOTATION MARK	; 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	SUPERSCRIFT ZERO
2074..2079	; Common # No	[6] SUPERSCRIFT FOUR..SUPERSCRIFT NINE
207A..207C	; Common # Sm	[3] SUPERSCRIFT PLUS SIGN..SUPERSCRIFT EQUALS SIGN
207D	; Common # Ps	SUPERSCRIFT LEFT PARENTHESIS
207E	; Common # Pe	SUPERSCRIFT 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	; Common # So	[31]	DOWNWARDS ZIGZAG ARROW..LEFTWARDS DOUBLE ARROW WITH STROKE
21CE..21CF	; Common # Sm	[2]	LEFT RIGHT DOUBLE ARROW WITH STROKE..RIGHTWARDS DOUBLE ARROW WITH STROKE
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	; Common # Sm	[268]	RIGHT ARROW WITH SMALL CIRCLE..Z NOTATION BAG MEMBERSHIP
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 ARROW
2900..2982 NOTATION TYPE COLON	; 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 MARK
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 LOWER HALF	; Common # Lm	[5] VERTICAL KANA REPEAT MARK..VERTICAL KANA REPEAT MARK
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] PARENTHESES IDEOGRAPH ONE..PARENTHESES IDEOGRAPH TEN
322A..3247	; Common # So	[30] PARENTHESES 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] PARENTHESIZED 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

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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

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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 # N1 [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

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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

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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

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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

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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

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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

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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



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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



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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 VOCALIC LL	; Bengali # Mn	[2] BENGALI VOWEL SIGN VOCALIC L..BENGALI VOWEL SIGN
09E6..09EF	; Bengali # Nd	[10] BENGALI DIGIT ZERO..BENGALI DIGIT NINE
09F0..09F1 LETTER RA WITH LOWER DIAGONAL	; Bengali # Lo	[2] BENGALI LETTER RA WITH MIDDLE DIAGONAL..BENGALI
09F2..09F3	; Bengali # Sc	[2] BENGALI RUPEE MARK..BENGALI RUPEE SIGN
09F4..09F9 DENOMINATOR SIXTEEN	; Bengali # No	[6] BENGALI CURRENCY NUMERATOR ONE..BENGALI CURRENCY
09FA	; Bengali # So	BENGALI ISSHAR
09FB	; Bengali # Sc	BENGALI GANDA MARK

Total code points: 92



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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

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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



OAB2..OAB3	; Gujarati # Lo	[2] GUJARATI LETTER LA..GUJARATI LETTER LLA
OAB5..OAB9	; Gujarati # Lo	[5] GUJARATI LETTER VA..GUJARATI LETTER HA
OABC	; Gujarati # Mn	GUJARATI SIGN NUKTA
OABD	; Gujarati # Lo	GUJARATI SIGN AVAGRAHA
OABE..OAC0	; Gujarati # Mc	[3] GUJARATI VOWEL SIGN AA..GUJARATI VOWEL SIGN II
OAC1..OAC5	; Gujarati # Mn	[5] GUJARATI VOWEL SIGN U..GUJARATI VOWEL SIGN CANDRA E
OAC7..OAC8	; Gujarati # Mn	[2] GUJARATI VOWEL SIGN E..GUJARATI VOWEL SIGN AI
OAC9	; Gujarati # Mc	GUJARATI VOWEL SIGN CANDRA O
OACB..OACC	; Gujarati # Mc	[2] GUJARATI VOWEL SIGN O..GUJARATI VOWEL SIGN AU
OACD	; Gujarati # Mn	GUJARATI SIGN VIRAMA
OAD0	; Gujarati # Lo	GUJARATI OM
OAE0..OAE1 LL	; Gujarati # Lo	[2] GUJARATI LETTER VOCALIC RR..GUJARATI LETTER VOCALIC LL
OAE2..OAE3 VOCALIC LL	; Gujarati # Mn	[2] GUJARATI VOWEL SIGN VOCALIC L..GUJARATI VOWEL SIGN
OAE6..OAEF	; Gujarati # Nd	[10] GUJARATI DIGIT ZERO..GUJARATI DIGIT NINE
OAF0	; Gujarati # Po	GUJARATI ABBREVIATION SIGN
OAF1	; Gujarati # Sc	GUJARATI RUPEE SIGN

Total code points: 84

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OB01	; Oriya # Mn	ORIYA SIGN CANDRABINDU
OB02..OB03	; Oriya # Mc	[2] ORIYA SIGN ANUSVARA..ORIYA SIGN VISARGA
OB05..OB0C	; Oriya # Lo	[8] ORIYA LETTER A..ORIYA LETTER VOCALIC L
OB0F..OB10	; Oriya # Lo	[2] ORIYA LETTER E..ORIYA LETTER AI
OB13..OB28	; Oriya # Lo	[22] ORIYA LETTER O..ORIYA LETTER NA
OB2A..OB30	; Oriya # Lo	[7] ORIYA LETTER PA..ORIYA LETTER RA
OB32..OB33	; Oriya # Lo	[2] ORIYA LETTER LA..ORIYA LETTER LLA
OB35..OB39	; Oriya # Lo	[5] ORIYA LETTER VA..ORIYA LETTER HA
OB3C	; Oriya # Mn	ORIYA SIGN NUKTA
OB3D	; Oriya # Lo	ORIYA SIGN AVAGRAHA
OB3E	; Oriya # Mc	ORIYA VOWEL SIGN AA
OB3F	; 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

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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
0BA8..0BAA	; Tamil # Lo	[3] TAMIL LETTER NA..TAMIL LETTER PA
0BAE..0BB9	; Tamil # Lo	[12] TAMIL LETTER MA..TAMIL LETTER HA
0BBE..0BBF	; Tamil # Mc	[2] TAMIL VOWEL SIGN AA..TAMIL VOWEL SIGN I
0BC0	; Tamil # Mn	TAMIL VOWEL SIGN II
0BC1..0BC2	; Tamil # Mc	[2] TAMIL VOWEL SIGN U..TAMIL VOWEL SIGN UU



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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

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Total code points: 72

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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
OC62..OC63    ; Telugu # Mn    [2] TELUGU VOWEL SIGN VOCALIC L..TELUGU VOWEL SIGN VOCALIC LL
OC66..OC6F    ; Telugu # Nd   [10] TELUGU DIGIT ZERO..TELUGU DIGIT NINE
OC78..OC7E    ; Telugu # No    [7] TELUGU FRACTION DIGIT ZERO FOR ODD POWERS OF FOUR..TELUGU FRACTION DIGIT THREE FOR EVEN POWERS OF FOUR
OC7F          ; Telugu # So      TELUGU SIGN TUUMU

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Total code points: 93

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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

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0D02..0D03	; Malayalam # Mc	[2] MALAYALAM SIGN ANUSVARA..MALAYALAM SIGN VISARGA
0D05..0D0C	; Malayalam # Lo	[8] MALAYALAM LETTER A..MALAYALAM LETTER VOCALIC L



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OD0E..OD10    ; Malayalam # Lo    [3] MALAYALAM LETTER E..MALAYALAM LETTER AI
OD12..OD3A    ; Malayalam # Lo   [41] MALAYALAM LETTER O..MALAYALAM LETTER TTAA
OD3D          ; Malayalam # Lo      MALAYALAM SIGN AVAGRAHA
OD3E..OD40    ; Malayalam # Mc    [3] MALAYALAM VOWEL SIGN AA..MALAYALAM VOWEL SIGN II
OD41..OD44    ; Malayalam # Mn    [4] MALAYALAM VOWEL SIGN U..MALAYALAM VOWEL SIGN
VOCALIC RR
OD46..OD48    ; Malayalam # Mc    [3] MALAYALAM VOWEL SIGN E..MALAYALAM VOWEL SIGN AI
OD4A..OD4C    ; Malayalam # Mc    [3] MALAYALAM VOWEL SIGN O..MALAYALAM VOWEL SIGN AU
OD4D          ; Malayalam # Mn      MALAYALAM SIGN VIRAMA
OD4E          ; Malayalam # Lo      MALAYALAM LETTER DOT REPH
OD57          ; Malayalam # Mc      MALAYALAM AU LENGTH MARK
OD60..OD61    ; Malayalam # Lo    [2] MALAYALAM LETTER VOCALIC RR..MALAYALAM LETTER
VOCALIC LL
OD62..OD63    ; Malayalam # Mn    [2] MALAYALAM VOWEL SIGN VOCALIC L..MALAYALAM VOWEL
SIGN VOCALIC LL
OD66..OD6F    ; Malayalam # Nd   [10] MALAYALAM DIGIT ZERO..MALAYALAM DIGIT NINE
OD70..OD75    ; Malayalam # No    [6] MALAYALAM NUMBER TEN..MALAYALAM FRACTION THREE
QUARTERS
OD79          ; Malayalam # So      MALAYALAM DATE MARK
OD7A..OD7F    ; Malayalam # Lo    [6] MALAYALAM LETTER CHILLU NN..MALAYALAM LETTER CHILLU
K

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Total code points: 98

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OD82..OD83    ; Sinhala # Mc    [2] SINHALA SIGN ANUSVARAYA..SINHALA SIGN VISARGAYA
OD85..OD96    ; Sinhala # Lo   [18] SINHALA LETTER AYANNA..SINHALA LETTER AUYANNA
OD9A..ODB1    ; Sinhala # Lo   [24] SINHALA LETTER ALPAPRAANA KAYANNA..SINHALA LETTER
DANTAJA NAYANNA
ODB3..ODBB    ; Sinhala # Lo    [9] SINHALA LETTER SANYAKA DAYANNA..SINHALA LETTER
RAYANNA
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

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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

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Total code points: 80

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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

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Total code points: 86

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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
OE8A           ; Lao # Lo          LAO LETTER SO TAM
OE8D           ; Lao # Lo          LAO LETTER NYO
OE94..OE97     ; Lao # Lo    [4] LAO LETTER DO..LAO LETTER THO TAM
OE99..OE9F     ; Lao # Lo    [7] LAO LETTER NO..LAO LETTER FO SUNG

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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

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Total code points: 67

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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    ; Tibetan # So    [6] TIBETAN SIGN RDEL DKAR GCIG..TIBETAN SIGN RDEL DKAR
RDEL NAG
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

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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 CAN
0F8D..0F97 LETTER JA	; Tibetan # Mn [11]	TIBETAN SUBJOINED SIGN LCE TSA CAN..TIBETAN SUBJOINED LETTER JA
0F99..0FBC LETTER FIXED-FORM RA	; Tibetan # Mn [36]	TIBETAN SUBJOINED LETTER NYA..TIBETAN SUBJOINED LETTER FIXED-FORM RA
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 BU BZHI -KHYIL
0FCE..0FCF NAG GSUM	; Tibetan # So [2]	TIBETAN SIGN RDEL NAG RDEL DKAR..TIBETAN SIGN RDEL NAG GSUM
0FD0..0FD4 CLOSING BRDA RNYING YIG MGO SGAB MA	; Tibetan # Po [5]	TIBETAN MARK BSKA- SHOG GI MGO RGYAN..TIBETAN MARK CLOSING BRDA RNYING YIG MGO SGAB MA
0FD9..0FDA TRAILING MCHAN RTAGS	; Tibetan # Po [2]	TIBETAN MARK LEADING MCHAN RTAGS..TIBETAN MARK TRAILING MCHAN RTAGS

Total code points: 207

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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	; Myanmar # Mn	[4] MYANMAR VOWEL SIGN GEBE KAREN I..MYANMAR VOWEL SIGN KAYAH EE
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	; Myanmar # Mn	[2] MYANMAR VOWEL SIGN SHAN E ABOVE..MYANMAR VOWEL SIGN SHAN FINAL Y



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

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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



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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] PARENTHESESIZED HANGUL KIYEOK..PARENTHESESIZED 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 JUNGSEONG O-YEO..HANGUL JUNGSEONG 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

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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

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13A0..13F4	; Cherokee # Lo	[85] CHEROKEE LETTER A..CHEROKEE LETTER YV
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Total code points: 85



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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

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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

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16A0..16EA ; Runic # Lo [75] RUNIC LETTER FEHU FEOH FE F..RUNIC LETTER X
16EE..16F0 ; Runic # Nl [3] RUNIC ARLAUG SYMBOL..RUNIC BELGTHOR SYMBOL

Total code points: 78

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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 KOOMUT
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
19E0..19FF	; Khmer # So	[32] KHMER SYMBOL PATHAMASAT..KHMER SYMBOL DAP-PRAM ROC

Total code points: 146

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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
180B..180D FREE VARIATION SELECTOR THREE	; Mongolian # Mn	[3] MONGOLIAN FREE VARIATION SELECTOR ONE..MONGOLIAN
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 ZHA	; Mongolian # Lo	[52] MONGOLIAN LETTER TODO E..MONGOLIAN LETTER MANCHU
1880..18A8 LETTER MANCHU ALI GALI BHA	; Mongolian # Lo	[41] MONGOLIAN LETTER ALI GALI ANUSVARA ONE..MONGOLIAN
18A9	; Mongolian # Mn	MONGOLIAN LETTER ALI GALI DAGALGA



18AA ; Mongolian # Lo MONGOLIAN LETTER MANCHU ALI GALI LHA

Total code points: 153

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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

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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

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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

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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

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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

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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

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10330..10340 ; Gothic # Lo [17] GOTHIC LETTER AHSA..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

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

Total code points: 80

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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



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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

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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

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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

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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

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1900..191C ; Limbu # Lo [29] LIMBU VOWEL-CARRIER LETTER..LIMBU LETTER HA



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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

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Total code points: 66

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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

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Total code points: 35

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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

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Total code points: 211



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10380..1039D ; Ugaritic # Lo [30] UGARITIC LETTER ALPA..UGARITIC LETTER SSU

1039F ; Ugaritic # Po UGARITIC WORD DIVIDER

Total code points: 31

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

Total code points: 48

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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

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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

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

Total code points: 256

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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

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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

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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

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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

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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

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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 GHO

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

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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

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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



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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

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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



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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

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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

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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

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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 PANAELEANG..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

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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

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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

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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

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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

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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

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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

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

Total code points: 29

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

Total code points: 49

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10920..10939 ; Lydian # Lo [26] LYDIAN LETTER A..LYDIAN LETTER C
1093F ; Lydian # Po LYDIAN TRIANGULAR MARK

Total code points: 27

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



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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

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Total code points: 83

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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

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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

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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

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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

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13000..1342E ; Egyptian_Hieroglyphs # Lo [1071] EGYPTIAN HIEROGLYPH A001..EGYPTIAN HIEROGLYPH AA032

Total code points: 1071

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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 ANNAAU

Total code points: 61

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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

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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

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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

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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
AB0..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

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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

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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

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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

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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

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

Total code points: 73

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11080..11081 ; Kaithi # Mn [2] KAITHI SIGN CANDRABINDU..KAITHI SIGN ANUSVARA

11082 ; Kaithi # Mc KAITHI SIGN VISARGA



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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

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Total code points: 66

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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

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Total code points: 56

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

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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

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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

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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

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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



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

Total code points: 32

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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

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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

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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

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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

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