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## Information technology — Universal Coded Character Set (UCS)

### AMENDMENT 1: Dogra, Gunjala Gondi, Makasar, Medefaidrin, Indic Siyaq Numbers and other characters

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

*AMENDEMENT 1: Chiffres dogra, gunjala gondi, makassar,  
médéfaïdrine, Siyâk indiens et autres caractères*





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## Foreword

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The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular, the different approval criteria needed for the different types of document should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see [www.iso.org/directives](http://www.iso.org/directives)).

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO and IEC shall not be held responsible for identifying any or all such patent rights. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received (see [www.iso.org/patents](http://www.iso.org/patents)) or the IEC list of patent declarations received (see <http://patents.iec.ch>).

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For an explanation of the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT) see [www.iso.org/iso/foreword.html](http://www.iso.org/iso/foreword.html).

This document was prepared by Technical Committee ISO/IEC JTC 1, *Information technology*, Subcommittee SC 2, *Coded character sets*.

This amendment includes the following significant changes with respect to the fifth edition (ISO/IEC 10646:2017):

- New scripts covered: Dogra, Gunjala Gondi, Hanifi Rohingya, Makasar, Medefaidrin, Old Sogdian, Sogdian,
- Existing script significantly extended: Kana,
- New Emoji symbols.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at <https://www.iso.org/members.html>.



# Information technology — Universal Coded Character Set (UCS) —

## AMENDMENT 1: Dogra, Gunjala Gondi, Makasar, Medefaidrin, Indic Siyaq Numbers, and other characters

*All document*

Replace all occurrences of "This international standard" by "This document".

### 24.1 List of source references (for Tangut ideographs)

In the list of Tangut sources, insert the following entries:

|       |                                                                               |
|-------|-------------------------------------------------------------------------------|
| L2012 | Lǐ Fànwén 2012 (Tangut-Chinese Dictionary, 3rd edition)                       |
| UTN42 | Unicode Technical Note #42: Tangut Character Additions and Glyphs Corrections |

### 24.2 Source reference file for Tangut ideographs

In table 6, add the format definitions L2012-dddd and UT42-ddd to the list of third field format for kTGT\_MergedSrc.

Update the link with following:

<http://standards.iso.org/iso-iec/10646/ed-5/en/amd/1/TangutSrc.txt>

## 33 Code charts and list of character names

### 1. Modifications to existing blocks

Insert the additional character glyphs and names at the indicated positions in the blocks given below.

Plane 00

Armenian

Hebrew

NKo

Arabic Extended-A

Bengali

Gurmukhi

Telugu

Kannada

Mongolian

Miscellaneous Symbols and Arrows

Supplemental Punctuation

Bopomofo

Latin Extended-D

Devanagari Extended

## ISO/IEC 10646:2017/Amd.1:2019(E)

Plane 01

Kharoshthi  
Kaithi  
Chakma  
Grantha  
Newa  
Ahom  
Zanabazar Square  
Soyombo  
Tangut  
Kana Supplement  
Counting Rod Numerals  
Enclosed Alphanumeric Supplement  
Transport and Map Symbols  
Geometric Shapes Extended  
Supplemental Symbols and Pictographs

These blocks contain new characters and names at the following code positions:

0560 0588 05EF 07FD-07FF 08D3 09FE 0A76 0C04 0C84 1878 2BBA-2BBC 2BD3-2BEB 2BF0-2BFE  
2E4A-2E4E 312F A7AF A7B8-A7B9 A8FE-A8FF 10A34-10A35 10A48 110CD 11144-11146 1133B  
1145E 1171A 11A45-11A47 11A9D 187ED-187F1 1B002-1B0FF 1D372-1D378 1F12F 1F6F7-1F6F8  
1F7D5-1F7D8 1F91F 1F928-1F92F 1F931-1F932 1F94C 1F95F-1F96B 1F992-1F997 1F9D0-1F9E6

And updated graphic representation at the following code positions:

0C8C 0CE1 0CF1-0CF2 2626 26F0 1F301 1F308 1F335 1F373 1F3B1 1F3B5-1F3B6 1F409 1F40B  
1F432 1F450 1F47B 1F47E 1F4A9-1F4AA 1F4DC 1F602 1F605 1F607 1F609 1F60C 1F60F 1F612-  
1F616 1F618 1F61A-1F61F 1F621-1F62D 1F630-1F635 1F637 1F639 1F63C-1F63D 1F63F-1F640  
1F644-1F645 1F64C 1F64E-1F64F 1F6F6 1F912 1F914 -1F915 1F917 1F922 1F926-1F927 1F938-  
1F93E 1F95C 1F985-1F987 1F98E-1F990

## 2. New blocks

Insert the following additional blocks.

Plane 01

Hanifi Rohingya  
Old Sogdian  
Sogdian  
Dogra  
Gunjala Gondi  
Makasar  
Medefaidrin  
Kana Extended-A  
Mayan Numerals  
Indic Siyaq Numbers  
Chess Symbols

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

10D00-10D27 10D30-10D39 10F00-10F27 10F30-10F59 11800-1183B 11D60-11D65 11D67-11D68  
11D6A-11D8E 11D90-11D91 11D93-11D98 11DA0-11DA9 11EE0-11EF8 16E40-16E9A 1B100-  
1B11E 1D2E0-1D2F3 1EC71-1ECB4 1FA60-1FA6D

*Annex A.1*

Add a '\*' (for fixed collection) for the following collection:

153 DEVANAGARI EXTENDED

In the list of collection numbers and names, after

1101 SUPPLEMENTAL SYMBOLS AND PICTOGRAPHS

insert the new entry as follows:

1102 HANIFI ROHINGGYA 10D00-10D3F

In the list of collection numbers and names, after

1108 ADLAM

insert the new entry as follows:

|                          |             |
|--------------------------|-------------|
| 1109 OLD SOGDIAN         | 10F00-10F2F |
| 1110 SOGDIAN             | 10F30-10F6F |
| 1111 DOGRA               | 11800-1184F |
| 1112 GUNJALA GONDI       | 11D60-11DAF |
| 1113 MAKASAR             | 11EE0-11EFF |
| 1114 MEDEFADRIN          | 16E40-16E9F |
| 1115 KANA EXTENDED-A     | 1B100-1B12F |
| 1116 MAYAN NUMERALS      | 1D2E0-1D2FF |
| 1117 INDIC SIYAQ NUMBERS | 1EC70-1ECBF |
| 1118 CHESS SYMBOLS       | 1FA00-1FA6F |

In the list of collection numbers and names, after

316 UNICODE 9.0

insert the new entry as follows:

317 UNICODE 10.0 see A.6 \*

In the list of collection numbers and names, after

374 JIS X 0213:2004 IDEOGRAPHS FROM...

insert the new entry as follows:

375 JAPANESE CORE KANJI see A.4.6 \*

*Annex A.1*

In the alphabetical list of keywords in Note 3, add the value 1115 to the Hiragana and Katakana entries, and the value 1118 to the Symbols entry; and insert the following entries:

|                     |      |
|---------------------|------|
| Dogra               | 1111 |
| Gunjala Gondi       | 1112 |
| Hanifi Rohingya     | 1102 |
| Indic Siyaq Numbers | 1117 |
| Makasar             | 1113 |
| Mayan               | 1116 |
| Medefaidrin         | 1114 |
| Old Sogdian         | 1109 |
| Sogdian             | 1110 |

## ISO/IEC 10646:2017/Amd.1:2019(E)

### Annex A.2.2

In the list of blocks in the SMP, insert the following new entries:

|                     |             |
|---------------------|-------------|
| HANIFI ROHINGYA     | 10D00-10D3F |
| OLD SOGDIAN         | 10F00-10F2F |
| SOGDIAN             | 10F30-10F6F |
| DOGRA               | 11800-1184F |
| GUNJALA GONDI       | 11D60-11DAF |
| MAKASAR             | 11EE0-11EFF |
| MEDEFAIDRIN         | 16E40-16E9F |
| KANA EXTENDED-A     | 1B100-1B12F |
| MAYAN NUMERALS      | 1D2E0-1D2FF |
| INDIC SIYAQ NUMBERS | 1EC70-1ECBF |
| CHESS SYMBOLS       | 1FA00-1FA6F |

### Annex A.4 CJK collections

Add a new sub-clause as follows:

#### A.4.6 375 JAPANESE CORE KANJI

The fixed collection 375 JAPANESE CORE KANJI consists of 2136 CJK ideographs. All but four of these ideographs are identified by a J0 source. The code points of these four ideograph are: U+525D (J3A source), U+5861 (J13 source), U+9830 (J13 source), and U+20B9F (J3A source).

NOTE 1 – Given its large size and the large number of sparse ranges, the collection is not specified by code point ranges in this document but instead by a linked content.

The fixed collection 375 is defined by a machine-readable format that is accessible as a link:

<http://standards.iso.org/iso-iec/10646/ed-5/en/amd/1/JapaneseCoreKanji.txt>

The content linked to is a plain text file, using ISO/IEC 646-IRV characters with CARRIAGE RETURN/LINE FEED as end of line mark, which specifies, after a 5-lines header, as many lines as characters in the collection; each containing the following information in a fixed length field:

- UCS code point (hhhh or hhhhh), normative

The format definition for the code point uses ‘h’ as a hexadecimal unit.

### Annex A.6 Unicode collections

Insert the new entry as follows:

317 UNICODE 10.0 Age property value less than or equal to 10.0

### Annex G

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

<http://standards.iso.org/iso-iec/10646/ed-5/en/amd/1/Am1names.txt>

|   | 053                                                                               | 054       | 055                                                                                 | 056       | 057       | 058                                                                                   |
|---|-----------------------------------------------------------------------------------|-----------|-------------------------------------------------------------------------------------|-----------|-----------|---------------------------------------------------------------------------------------|
| 0 |  | Հ<br>0540 | Ր<br>0550                                                                           | մ<br>0560 | Հ<br>0570 | ր<br>0580                                                                             |
| 1 | Ա<br>0531                                                                         | Զ<br>0541 | Յ<br>0551                                                                           | ա<br>0561 | ճ<br>0571 | յ<br>0581                                                                             |
| 2 | Բ<br>0532                                                                         | Ղ<br>0542 | Ի<br>0552                                                                           | բ<br>0562 | ղ<br>0572 | լ<br>0582                                                                             |
| 3 | Գ<br>0533                                                                         | Ճ<br>0543 | Փ<br>0553                                                                           | գ<br>0563 | ճ<br>0573 | փ<br>0583                                                                             |
| 4 | Դ<br>0534                                                                         | Մ<br>0544 | Ք<br>0554                                                                           | դ<br>0564 | մ<br>0574 | ք<br>0584                                                                             |
| 5 | Ե<br>0535                                                                         | Յ<br>0545 | Օ<br>0555                                                                           | ե<br>0565 | յ<br>0575 | օ<br>0585                                                                             |
| 6 | Զ<br>0536                                                                         | Ն<br>0546 | Ծ<br>0556                                                                           | զ<br>0566 | ն<br>0576 | ֆ<br>0586                                                                             |
| 7 | Է<br>0537                                                                         | Շ<br>0547 |  | է<br>0567 | շ<br>0577 | լ<br>0587                                                                             |
| 8 | Ը<br>0538                                                                         | Ո<br>0548 |  | ը<br>0568 | ո<br>0578 | ֆ<br>0588                                                                             |
| 9 | Թ<br>0539                                                                         | Չ<br>0549 | Ս<br>0559                                                                           | թ<br>0569 | չ<br>0579 | ։<br>0589                                                                             |
| A | Ժ<br>053A                                                                         | Պ<br>054A | Վ<br>055A                                                                           | ժ<br>056A | պ<br>057A | հ<br>058A                                                                             |
| B | Ի<br>053B                                                                         | Ջ<br>054B | Վ<br>055B                                                                           | ի<br>056B | ջ<br>057B |  |
| C | Լ<br>053C                                                                         | Դ<br>054C | Ն<br>055C                                                                           | լ<br>056C | ռ<br>057C |  |
| D | Խ<br>053D                                                                         | Ս<br>054D | Շ<br>055D                                                                           | խ<br>056D | ս<br>057D |  |
| E | Ծ<br>053E                                                                         | Վ<br>054E | Պ<br>055E                                                                           | ծ<br>056E | վ<br>057E |  |
| F | Կ<br>053F                                                                         | Տ<br>054F | Վ<br>055F                                                                           | կ<br>056F | տ<br>057F | դ<br>058F                                                                             |

**Uppercase letters**

|      |   |                              |
|------|---|------------------------------|
| 0531 | Ա | ARMENIAN CAPITAL LETTER AYB  |
| 0532 | Բ | ARMENIAN CAPITAL LETTER BEN  |
| 0533 | Գ | ARMENIAN CAPITAL LETTER GIM  |
| 0534 | Դ | ARMENIAN CAPITAL LETTER DA   |
| 0535 | Ե | ARMENIAN CAPITAL LETTER ECH  |
| 0536 | Զ | ARMENIAN CAPITAL LETTER ZA   |
| 0537 | Է | ARMENIAN CAPITAL LETTER EH   |
| 0538 | Ը | ARMENIAN CAPITAL LETTER ET   |
| 0539 | Թ | ARMENIAN CAPITAL LETTER TO   |
| 053A | Ճ | ARMENIAN CAPITAL LETTER ZHE  |
| 053B | Ի | ARMENIAN CAPITAL LETTER INI  |
| 053C | Լ | ARMENIAN CAPITAL LETTER LIWN |
| 053D | Խ | ARMENIAN CAPITAL LETTER XEH  |
| 053E | Վ | ARMENIAN CAPITAL LETTER CA   |
| 053F | Կ | ARMENIAN CAPITAL LETTER KEN  |
| 0540 | Հ | ARMENIAN CAPITAL LETTER HO   |
| 0541 | Ջ | ARMENIAN CAPITAL LETTER JA   |
| 0542 | Ղ | ARMENIAN CAPITAL LETTER GHAD |
| 0543 | Ճ | ARMENIAN CAPITAL LETTER CHEH |
| 0544 | Ս | ARMENIAN CAPITAL LETTER MEN  |
| 0545 | Յ | ARMENIAN CAPITAL LETTER YI   |
| 0546 | Ն | ARMENIAN CAPITAL LETTER NOW  |
| 0547 | Շ | ARMENIAN CAPITAL LETTER SHA  |
| 0548 | Ո | ARMENIAN CAPITAL LETTER VO   |
| 0549 | Չ | ARMENIAN CAPITAL LETTER CHA  |
| 054A | Պ | ARMENIAN CAPITAL LETTER PEH  |
| 054B | Ջ | ARMENIAN CAPITAL LETTER JHEH |
| 054C | Ռ | ARMENIAN CAPITAL LETTER RA   |
| 054D | Ս | ARMENIAN CAPITAL LETTER SEH  |
| 054E | Վ | ARMENIAN CAPITAL LETTER VEW  |
| 054F | Տ | ARMENIAN CAPITAL LETTER TIWN |
| 0550 | Ր | ARMENIAN CAPITAL LETTER REH  |
| 0551 | Ց | ARMENIAN CAPITAL LETTER CO   |
| 0552 | Ի | ARMENIAN CAPITAL LETTER YIWN |
| 0553 | Փ | ARMENIAN CAPITAL LETTER PIWR |
| 0554 | Ք | ARMENIAN CAPITAL LETTER KEH  |
| 0555 | Օ | ARMENIAN CAPITAL LETTER OH   |
| 0556 | Ֆ | ARMENIAN CAPITAL LETTER FEH  |

**Modifier letters**

|      |   |                                                                                                                                                                                              |
|------|---|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 0559 | ՝ | ARMENIAN MODIFIER LETTER LEFT HALF RING<br>→ 02BD ՝ modifier letter reversed comma<br>→ 02BF ՝ modifier letter left half ring<br>→ 0314 ֊ combining reversed comma above                     |
| 055A | ՛ | ARMENIAN APOSTROPHE<br>= armenian modifier letter right half ring (1.0)<br>→ 02BC ՛ modifier letter apostrophe<br>→ 02BE ՛ modifier letter right half ring<br>→ 0313 ֋ combining comma above |
| 055B | ՛ | ARMENIAN EMPHASIS MARK<br>= shesht<br>→ 02CA ՛ modifier letter acute accent                                                                                                                  |
| 055C | ~ | ARMENIAN EXCLAMATION MARK<br>= batsaganchakan nshan<br>• marks intonation on word, rather than occurring finally                                                                             |
| 055D | ՝ | ARMENIAN COMMA<br>= bowt<br>→ 02CB ՝ modifier letter grave accent                                                                                                                            |

|      |   |                                                                                                          |
|------|---|----------------------------------------------------------------------------------------------------------|
| 055E | ՞ | ARMENIAN QUESTION MARK<br>= hartsakan nshan<br>• marks intonation on word, rather than occurring finally |
| 055F | ↵ | ARMENIAN ABBREVIATION MARK<br>= patiw                                                                    |

**Lowercase letters**

|      |   |                                                                      |
|------|---|----------------------------------------------------------------------|
| 0560 | ա | ARMENIAN SMALL LETTER TURNED AYB<br>• used for phonetic notation     |
| 0561 | ա | ARMENIAN SMALL LETTER AYB                                            |
| 0562 | բ | ARMENIAN SMALL LETTER BEN                                            |
| 0563 | գ | ARMENIAN SMALL LETTER GIM                                            |
| 0564 | դ | ARMENIAN SMALL LETTER DA                                             |
| 0565 | ե | ARMENIAN SMALL LETTER ECH                                            |
| 0566 | զ | ARMENIAN SMALL LETTER ZA                                             |
| 0567 | է | ARMENIAN SMALL LETTER EH                                             |
| 0568 | ը | ARMENIAN SMALL LETTER ET                                             |
| 0569 | թ | ARMENIAN SMALL LETTER TO                                             |
| 056A | ճ | ARMENIAN SMALL LETTER ZHE                                            |
| 056B | ի | ARMENIAN SMALL LETTER INI                                            |
| 056C | լ | ARMENIAN SMALL LETTER LIWN                                           |
| 056D | խ | ARMENIAN SMALL LETTER XEH                                            |
| 056E | վ | ARMENIAN SMALL LETTER CA                                             |
| 056F | կ | ARMENIAN SMALL LETTER KEN                                            |
| 0570 | հ | ARMENIAN SMALL LETTER HO                                             |
| 0571 | ձ | ARMENIAN SMALL LETTER JA                                             |
| 0572 | ղ | ARMENIAN SMALL LETTER GHAD                                           |
| 0573 | ճ | ARMENIAN SMALL LETTER CHEH                                           |
| 0574 | մ | ARMENIAN SMALL LETTER MEN                                            |
| 0575 | յ | ARMENIAN SMALL LETTER YI                                             |
| 0576 | ն | ARMENIAN SMALL LETTER NOW                                            |
| 0577 | շ | ARMENIAN SMALL LETTER SHA                                            |
| 0578 | ո | ARMENIAN SMALL LETTER VO                                             |
| 0579 | չ | ARMENIAN SMALL LETTER CHA                                            |
| 057A | պ | ARMENIAN SMALL LETTER PEH                                            |
| 057B | զ | ARMENIAN SMALL LETTER JHEH                                           |
| 057C | ր | ARMENIAN SMALL LETTER RA                                             |
| 057D | ս | ARMENIAN SMALL LETTER SEH                                            |
| 057E | վ | ARMENIAN SMALL LETTER VEW                                            |
| 057F | տ | ARMENIAN SMALL LETTER TIWN                                           |
| 0580 | ր | ARMENIAN SMALL LETTER REH                                            |
| 0581 | ց | ARMENIAN SMALL LETTER CO                                             |
| 0582 | լ | ARMENIAN SMALL LETTER YIWN                                           |
| 0583 | փ | ARMENIAN SMALL LETTER PIWR                                           |
| 0584 | ք | ARMENIAN SMALL LETTER KEH                                            |
| 0585 | օ | ARMENIAN SMALL LETTER OH                                             |
| 0586 | ֆ | ARMENIAN SMALL LETTER FEH                                            |
| 0587 | և | ARMENIAN SMALL LIGATURE ECH YIWN<br>≈ 0565 ե 0582 լ                  |
| 0588 | յ | ARMENIAN SMALL LETTER YI WITH STROKE<br>• used for phonetic notation |

**Punctuation**

|      |   |                                                                                                       |
|------|---|-------------------------------------------------------------------------------------------------------|
| 0589 | : | ARMENIAN FULL STOP<br>= vertsaket<br>• may also be used for historic Georgian texts<br>→ 003A : colon |
| 058A | ֊ | ARMENIAN HYPHEN<br>= yentamna                                                                         |

**Religious symbols**

|      |   |                                     |
|------|---|-------------------------------------|
| 058D | ✞ | RIGHT-FACING ARMENIAN ETERNITY SIGN |
|------|---|-------------------------------------|

**058E**

**Armenian**

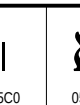
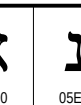
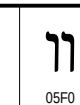
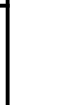
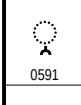
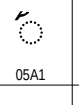
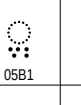
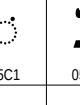
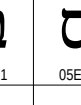
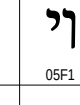
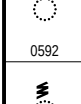
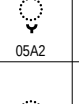
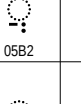
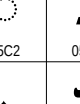
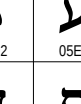
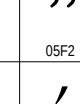
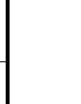
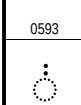
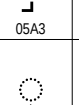
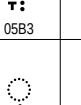
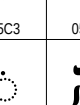
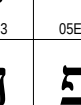
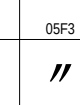
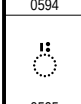
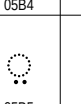
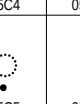
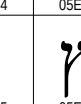
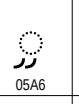
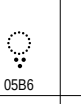
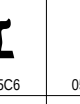
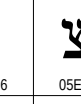
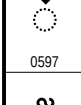
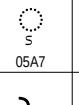
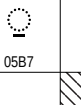
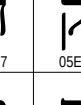
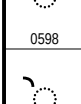
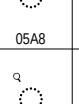
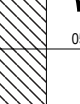
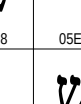
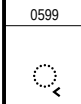
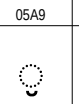
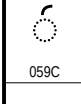
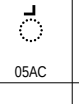
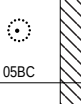
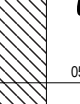
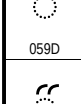
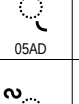
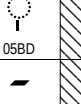
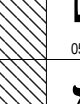
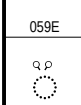
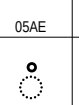
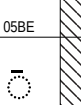
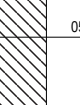
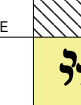
ISO/IEC 10646:2017/Amd.1:2019(E)

**058F**

058E  LEFT-FACING ARMENIAN ETERNITY SIGN  
• maps to AST 34.005:1997

**Currency symbol**

058F  ARMENIAN DRAM SIGN

|   | 059                                                                                 | 05A                                                                                 | 05B                                                                                 | 05C                                                                                 | 05D                                                                                 | 05E                                                                                  | 05F                                                                                   |
|---|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| 0 |    |    |    |    |    |    |    |
| 1 |    |    |    |    |    |    |    |
| 2 |    |    |    |    |    |    |    |
| 3 |    |    |    |    |    |    |    |
| 4 |    |    |    |    |    |    |    |
| 5 |   |   |   |   |   |   |   |
| 6 |  |  |  |  |  |  |  |
| 7 |  |  |  |  |  |  |  |
| 8 |  |  |  |  |  |  |  |
| 9 |  |  |  |  |  |  |  |
| A |  |  |  |  |  |  |  |
| B |  |  |  |  |  |  |  |
| C |  |  |  |  |  |  |  |
| D |  |  |  |  |  |  |  |
| E |  |  |  |  |  |  |  |
| F |  |  |  |  |  |  |  |

0591

Hebrew

05E0

**Cantillation marks**

|      |    |                                                                                                                                                                                               |
|------|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 0591 | ◌ִ | HEBREW ACCENT ETNAHTA<br>= atnah                                                                                                                                                              |
| 0592 | ◌ֵ | HEBREW ACCENT SEGOL<br>= segolta                                                                                                                                                              |
| 0593 | ◌ֶ | HEBREW ACCENT SHALSHELET                                                                                                                                                                      |
| 0594 | ◌ִ | HEBREW ACCENT ZAQEF QATAN                                                                                                                                                                     |
| 0595 | ◌ֶ | HEBREW ACCENT ZAQEF GADOL                                                                                                                                                                     |
| 0596 | ◌ִ | HEBREW ACCENT TIPEHA<br>= tarha, me'ayla ~ mayla                                                                                                                                              |
| 0597 | ◌ִ | HEBREW ACCENT REVIA                                                                                                                                                                           |
| 0598 | ◌ִ | HEBREW ACCENT ZARQA<br>= tsinorit, zinator; tsinor, zinor<br>• This character is to be used when Zarqa or<br>Tsinor are placed above, and also for Tsinorit.<br>→ 05AE ◌ִ hebrew accent zinor |
| 0599 | ◌ִ | HEBREW ACCENT PASHTA                                                                                                                                                                          |
| 059A | ◌ִ | HEBREW ACCENT YETIV                                                                                                                                                                           |
| 059B | ◌ִ | HEBREW ACCENT TEVIR                                                                                                                                                                           |
| 059C | ◌ִ | HEBREW ACCENT GERESH<br>= teres                                                                                                                                                               |
| 059D | ◌ִ | HEBREW ACCENT GERESH MUQDAM                                                                                                                                                                   |
| 059E | ◌ִ | HEBREW ACCENT GERSHAYIM                                                                                                                                                                       |
| 059F | ◌ִ | HEBREW ACCENT QARNEY PARA<br>= pazer gadol                                                                                                                                                    |
| 05A0 | ◌ִ | HEBREW ACCENT TELISHA GEDOLA                                                                                                                                                                  |
| 05A1 | ◌ִ | HEBREW ACCENT PAZER<br>= pazer qatan                                                                                                                                                          |
| 05A2 | ◌ִ | HEBREW ACCENT ATNAH HAFUKH<br>→ 05AA ◌ִ hebrew accent yerah ben yomo                                                                                                                          |
| 05A3 | ◌ִ | HEBREW ACCENT MUNAH                                                                                                                                                                           |
| 05A4 | ◌ִ | HEBREW ACCENT MAHAPAKH                                                                                                                                                                        |
| 05A5 | ◌ִ | HEBREW ACCENT MERKHA<br>= yored                                                                                                                                                               |
| 05A6 | ◌ִ | HEBREW ACCENT MERKHA KEFULA                                                                                                                                                                   |
| 05A7 | ◌ִ | HEBREW ACCENT DARGA                                                                                                                                                                           |
| 05A8 | ◌ִ | HEBREW ACCENT QADMA<br>= azla                                                                                                                                                                 |
| 05A9 | ◌ִ | HEBREW ACCENT TELISHA QETANA                                                                                                                                                                  |
| 05AA | ◌ִ | HEBREW ACCENT YERAH BEN YOMO<br>= galgal<br>→ 05A2 ◌ִ hebrew accent atnah hafukh                                                                                                              |
| 05AB | ◌ִ | HEBREW ACCENT OLE                                                                                                                                                                             |
| 05AC | ◌ִ | HEBREW ACCENT ILUY                                                                                                                                                                            |
| 05AD | ◌ִ | HEBREW ACCENT DEHI                                                                                                                                                                            |
| 05AE | ◌ִ | HEBREW ACCENT ZINOR<br>= tsinor; zarqa<br>• This character is to be used when Zarqa or<br>Tsinor are placed above left.<br>→ 0598 ◌ִ hebrew accent zarqa                                      |
| 05AF | ◌ִ | HEBREW MARK MASORA CIRCLE                                                                                                                                                                     |

**Points and punctuation**

|      |    |                                                                  |
|------|----|------------------------------------------------------------------|
| 05B0 | ◌ִ | HEBREW POINT SHEVA                                               |
| 05B1 | ◌ִ | HEBREW POINT HATAF SEGOL                                         |
| 05B2 | ◌ִ | HEBREW POINT HATAF PATAH                                         |
| 05B3 | ◌ִ | HEBREW POINT HATAF QAMATS                                        |
| 05B4 | ◌ִ | HEBREW POINT HIRIQ                                               |
| 05B5 | ◌ִ | HEBREW POINT TSERE                                               |
| 05B6 | ◌ִ | HEBREW POINT SEGOL                                               |
| 05B7 | ◌ִ | HEBREW POINT PATAH<br>•furtive patah is not a distinct character |

|      |    |                                                                                                                                                                     |
|------|----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 05B8 | ◌ִ | HEBREW POINT QAMATS<br>• used generically or as qamats gadol in<br>orthography which distinguishes that from<br>qamats qatan<br>→ 05C7 ◌ִ hebrew point qamats qatan |
| 05B9 | ◌ִ | HEBREW POINT HOLAM                                                                                                                                                  |
| 05BA | ◌ִ | HEBREW POINT HOLAM HASER FOR VAV                                                                                                                                    |
| 05BB | ◌ִ | HEBREW POINT QUBUTS                                                                                                                                                 |
| 05BC | ◌ִ | HEBREW POINT DAGESH OR MAPIQ<br>= shuruq<br>• falls within the base letter                                                                                          |
| 05BD | ◌ִ | HEBREW POINT METEG<br>= siluq<br>• may be used as a Hebrew accent sof pasuq                                                                                         |
| 05BE | ◌ִ | HEBREW PUNCTUATION MAQAF                                                                                                                                            |
| 05BF | ◌ִ | HEBREW POINT RAPE<br>→ FB1E ◌ִ hebrew point judeo-spanish varika                                                                                                    |
| 05C0 | ◌ִ | HEBREW PUNCTUATION PASEQ<br>= legarmeh<br>• may be treated as spacing punctuation, not as<br>a point<br>→ 007C I vertical line                                      |
| 05C1 | ◌ִ | HEBREW POINT SHIN DOT                                                                                                                                               |
| 05C2 | ◌ִ | HEBREW POINT SIN DOT                                                                                                                                                |
| 05C3 | ◌ִ | HEBREW PUNCTUATION SOF PASUQ<br>• may be used as a Hebrew punctuation colon<br>→ 003A : colon                                                                       |

**Puncta extraordinaria**

|      |    |                                                                                                   |
|------|----|---------------------------------------------------------------------------------------------------|
| 05C4 | ◌ִ | HEBREW MARK UPPER DOT                                                                             |
| 05C5 | ◌ִ | HEBREW MARK LOWER DOT<br>• punctum extraordinarium (Psalms 27:13)<br>→ 05B4 ◌ִ hebrew point hiriq |

**Points and punctuation**

|      |    |                                                                                                                    |
|------|----|--------------------------------------------------------------------------------------------------------------------|
| 05C6 | ◌ִ | HEBREW PUNCTUATION NUN HAFUKHA<br>• does not historically derive from the letter nun<br>→ 05E0 1 hebrew letter nun |
| 05C7 | ◌ִ | HEBREW POINT QAMATS QATAN<br>→ 05B8 ◌ִ hebrew point qamats                                                         |

**Based on ISO 8859-8**

|      |   |                                                       |
|------|---|-------------------------------------------------------|
| 05D0 | א | HEBREW LETTER ALEF<br>= aleph<br>→ 2135 א alef symbol |
| 05D1 | ב | HEBREW LETTER BET<br>→ 2136 ב bet symbol              |
| 05D2 | ג | HEBREW LETTER GIMEL<br>→ 2137 ג gimel symbol          |
| 05D3 | ד | HEBREW LETTER DALET<br>→ 2138 ד dalet symbol          |
| 05D4 | ה | HEBREW LETTER HE                                      |
| 05D5 | ו | HEBREW LETTER VAV                                     |
| 05D6 | ז | HEBREW LETTER ZAYIN                                   |
| 05D7 | ח | HEBREW LETTER HET                                     |
| 05D8 | ט | HEBREW LETTER TET                                     |
| 05D9 | י | HEBREW LETTER YOD                                     |
| 05DA | ך | HEBREW LETTER FINAL KAF                               |
| 05DB | כ | HEBREW LETTER KAF                                     |
| 05DC | ל | HEBREW LETTER LAMED                                   |
| 05DD | מ | HEBREW LETTER FINAL MEM                               |
| 05DE | מ | HEBREW LETTER MEM                                     |
| 05DF | נ | HEBREW LETTER FINAL NUN                               |
| 05E0 | נ | HEBREW LETTER NUN                                     |

|      |   |                               |
|------|---|-------------------------------|
| 05E1 | ס | HEBREW LETTER SAMEKH          |
| 05E2 | ע | HEBREW LETTER AYIN            |
| 05E3 | ף | HEBREW LETTER FINAL PE        |
| 05E4 | פ | HEBREW LETTER PE              |
| 05E5 | ץ | HEBREW LETTER FINAL TSADI     |
| 05E6 | צ | HEBREW LETTER TSADI<br>= zade |
| 05E7 | ק | HEBREW LETTER QOF             |
| 05E8 | ר | HEBREW LETTER RESH            |
| 05E9 | ש | HEBREW LETTER SHIN            |
| 05EA | ת | HEBREW LETTER TAV             |

**Sign**

|      |   |                     |
|------|---|---------------------|
| 05EF | ׃ | HEBREW YOD TRIANGLE |
|------|---|---------------------|

**Yiddish digraphs**

|      |   |                                                    |
|------|---|----------------------------------------------------|
| 05F0 | װ | HEBREW LIGATURE YIDDISH DOUBLE VAV<br>= tsvey vovn |
| 05F1 | ױ | HEBREW LIGATURE YIDDISH VAV YOD                    |
| 05F2 | ײ | HEBREW LIGATURE YIDDISH DOUBLE YOD<br>= tsvey yudn |

**Additional punctuation**

|      |   |                                                         |
|------|---|---------------------------------------------------------|
| 05F3 | ' | HEBREW PUNCTUATION GERESH<br>→ 0027 ' apostrophe        |
| 05F4 | " | HEBREW PUNCTUATION GERSHAYIM<br>→ 0022 " quotation mark |

|   | 07C                                                                                         | 07D                                                                                         | 07E                                                                                         | 07F                                                                                         |
|---|---------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|
| 0 | <br>07C0   | <br>07D0   | <br>07E0   | <br>07F0   |
| 1 | <br>07C1   | <br>07D1   | <br>07E1   | <br>07F1   |
| 2 | <br>07C2   | <br>07D2   | <br>07E2   | <br>07F2   |
| 3 | <br>07C3   | <br>07D3   | <br>07E3   | <br>07F3   |
| 4 | <br>07C4   | <br>07D4   | <br>07E4   | <br>07F4   |
| 5 | <br>07C5   | <br>07D5   | <br>07E5   | <br>07F5   |
| 6 | <br>07C6 | <br>07D6 | <br>07E6 | <br>07F6 |
| 7 | <br>07C7 | <br>07D7 | <br>07E7 | <br>07F7 |
| 8 | <br>07C8 | <br>07D8 | <br>07E8 | <br>07F8 |
| 9 | <br>07C9 | <br>07D9 | <br>07E9 | <br>07F9 |
| A | <br>07CA | <br>07DA | <br>07EA | <br>07FA |
| B | <br>07CB | <br>07DB | <br>07EB | <br>07FB |
| C | <br>07CC | <br>07DC | <br>07EC | <br>07FC |
| D | <br>07CD | <br>07DD | <br>07ED | <br>07FD |
| E | <br>07CE | <br>07DE | <br>07EE | <br>07FE |
| F | <br>07CF | <br>07DF | <br>07EF | <br>07FF |

**Digits**

|      |   |                 |
|------|---|-----------------|
| 07C0 | 0 | NKO DIGIT ZERO  |
| 07C1 | 1 | NKO DIGIT ONE   |
| 07C2 | 2 | NKO DIGIT TWO   |
| 07C3 | 3 | NKO DIGIT THREE |
| 07C4 | 4 | NKO DIGIT FOUR  |
| 07C5 | 5 | NKO DIGIT FIVE  |
| 07C6 | 6 | NKO DIGIT SIX   |
| 07C7 | 7 | NKO DIGIT SEVEN |
| 07C8 | 8 | NKO DIGIT EIGHT |
| 07C9 | 9 | NKO DIGIT NINE  |

**Letters**

|      |   |                       |
|------|---|-----------------------|
| 07CA | A | NKO LETTER A          |
| 07CB | B | NKO LETTER EE         |
| 07CC | Y | NKO LETTER I          |
| 07CD | Λ | NKO LETTER E          |
| 07CE | U | NKO LETTER U          |
| 07CF | 3 | NKO LETTER OO         |
| 07D0 | Q | NKO LETTER O          |
| 07D1 | ˆ | NKO LETTER DAGBASINNA |
| 07D2 | Ɂ | NKO LETTER N          |
| 07D3 | F | NKO LETTER BA         |
| 07D4 | Ɂ | NKO LETTER PA         |
| 07D5 | b | NKO LETTER TA         |
| 07D6 | Ɂ | NKO LETTER JA         |
| 07D7 | Ɂ | NKO LETTER CHA        |
| 07D8 | Ɂ | NKO LETTER DA         |
| 07D9 | Ɂ | NKO LETTER RA         |
| 07DA | Ɂ | NKO LETTER RRA        |
| 07DB | Ɂ | NKO LETTER SA         |
| 07DC | Ɂ | NKO LETTER GBA        |
| 07DD | Ɂ | NKO LETTER FA         |
| 07DE | Ɂ | NKO LETTER KA         |
| 07DF | Ɂ | NKO LETTER LA         |
| 07E0 | T | NKO LETTER NA WOLOSO  |
| 07E1 | Δ | NKO LETTER MA         |
| 07E2 | Ɂ | NKO LETTER NYA        |
| 07E3 | Ɂ | NKO LETTER NA         |
| 07E4 | Ɂ | NKO LETTER HA         |
| 07E5 | Ɂ | NKO LETTER WA         |
| 07E6 | Ɂ | NKO LETTER YA         |
| 07E7 | Ɂ | NKO LETTER NYA WOLOSO |

**Archaic letters**

|      |   |                                              |
|------|---|----------------------------------------------|
| 07E8 | Ɂ | NKO LETTER JONA JA                           |
| 07E9 | Ɂ | NKO LETTER JONA CHA                          |
| 07EA | Ɂ | NKO LETTER JONA RA<br>→ 07D9 Ɂ nko letter ra |

**Tone marks**

|      |   |                                                                            |
|------|---|----------------------------------------------------------------------------|
| 07EB | ˘ | NKO COMBINING SHORT HIGH TONE<br>→ 0304 ˘ combining macron                 |
| 07EC | ˘ | NKO COMBINING SHORT LOW TONE<br>→ 0303 ˘ combining tilde                   |
| 07ED | ˘ | NKO COMBINING SHORT RISING TONE<br>→ 0307 ˘ combining dot above            |
| 07EE | ˘ | NKO COMBINING LONG DESCENDING TONE<br>→ 0302 ˘ combining circumflex accent |
| 07EF | ˘ | NKO COMBINING LONG HIGH TONE                                               |
| 07F0 | ˘ | NKO COMBINING LONG LOW TONE                                                |
| 07F1 | ˘ | NKO COMBINING LONG RISING TONE                                             |

**Other diacritics**

|      |   |                                                                 |
|------|---|-----------------------------------------------------------------|
| 07F2 | ˘ | NKO COMBINING NASALIZATION MARK<br>→ 0323 ˘ combining dot below |
| 07F3 | ˘ | NKO COMBINING DOUBLE DOT ABOVE<br>→ 0308 ˘ combining diaeresis  |

**Tonal apostrophes**

*These apostrophes mark elision of a vowel while preserving the tonal information of the syllable.*

|      |   |                                                                  |
|------|---|------------------------------------------------------------------|
| 07F4 | ˘ | NKO HIGH TONE APOSTROPHE<br>→ 02BC ˘ modifier letter apostrophe  |
| 07F5 | ˘ | NKO LOW TONE APOSTROPHE<br>→ 02BB ˘ modifier letter turned comma |

**Symbol**

|      |   |                                                                                           |
|------|---|-------------------------------------------------------------------------------------------|
| 07F6 | 2 | NKO SYMBOL OO DENNEN<br>• indicates remote future placement of the topic under discussion |
|------|---|-------------------------------------------------------------------------------------------|

**Punctuation**

|      |   |                                                                                                                                           |
|------|---|-------------------------------------------------------------------------------------------------------------------------------------------|
| 07F7 | ☪ | NKO SYMBOL GBAKURUNEN<br>• marks end of a major section of text<br>• symbol represents the three stones holding a cooking pot over a fire |
| 07F8 | ˘ | NKO COMMA                                                                                                                                 |
| 07F9 | ˘ | NKO EXCLAMATION MARK                                                                                                                      |

**Letter extender**

|      |   |                                                                |
|------|---|----------------------------------------------------------------|
| 07FA | _ | NKO LAJANYALAN<br>→ 005F _ low line<br>→ 0640 - arabic tatweel |
|------|---|----------------------------------------------------------------|

**Abbreviation sign**

|      |   |                                                                                            |
|------|---|--------------------------------------------------------------------------------------------|
| 07FD | Ɂ | NKO DANTAYALAN<br>• used to abbreviate units of measure<br>→ 032A Ɂ combining bridge below |
|------|---|--------------------------------------------------------------------------------------------|

**Currency signs**

|      |   |                                           |
|------|---|-------------------------------------------|
| 07FE | Ɂ | NKO DOROME SIGN<br>→ 07D8 Ɂ nko letter da |
| 07FF | Ɂ | NKO TAMAN SIGN<br>→ 07D5 Ɂ nko letter ta  |

08A0

## Arabic Extended-A

08FF

|   | 08A       | 08B       | 08C | 08D                 | 08E       | 08F       |
|---|-----------|-----------|-----|---------------------|-----------|-----------|
| 0 | ب<br>08A0 | گ<br>08B0 |     |                     | ه<br>08E0 | و<br>08F0 |
| 1 | ب<br>08A1 | و<br>08B1 |     |                     | و<br>08E1 | و<br>08F1 |
| 2 | ج<br>08A2 | ز<br>08B2 |     |                     | ه<br>08E2 | و<br>08F2 |
| 3 | ظ<br>08A3 | ع<br>08B3 |     | و<br>08D3           | و<br>08E3 | و<br>08F3 |
| 4 | ق<br>08A4 | ك<br>08B4 |     | و<br>08D4           | و<br>08E4 | و<br>08F4 |
| 5 | ق<br>08A5 |           |     | و<br>08D5           | و<br>08E5 | و<br>08F5 |
| 6 | ل<br>08A6 | ب<br>08B6 |     | و<br>08D6           | و<br>08E6 | و<br>08F6 |
| 7 | م<br>08A7 | پ<br>08B7 |     | و<br>08D7           | و<br>08E7 | و<br>08F7 |
| 8 | ي<br>08A8 | ت<br>08B8 |     | و<br>08D8           | و<br>08E8 | و<br>08F8 |
| 9 | ي<br>08A9 | ر<br>08B9 |     | و<br>08D9           | و<br>08E9 | و<br>08F9 |
| A | ر<br>08AA | ي<br>08BA |     | و<br>08DA           | و<br>08EA | و<br>08FA |
| B | و<br>08AB | ف<br>08BB |     | السجدة<br>و<br>08DB | و<br>08EB | و<br>08FB |
| C | ي<br>08AC | و<br>08BC |     | النصف<br>و<br>08DC  | و<br>08EC | و<br>08FC |
| D | ا<br>08AD | ن<br>08BD |     | و<br>08DD           | و<br>08ED | و<br>08FD |
| E | د<br>08AE |           |     | ق<br>08DE           | و<br>08EE | و<br>08FE |
| F | ص<br>08AF |           |     | و<br>08DF           | و<br>08EF | و<br>08FF |

**Arabic letters for African languages**

- 08A0 ب ARABIC LETTER BEH WITH SMALL V BELOW
- 08A1 ب ARABIC LETTER BEH WITH HAMZA ABOVE
- Adamawa Fulfulde (Cameroon)
  - used for the implosive bilabial stop
  - 0253 ɓ latin small letter b with hook
- 08A2 عج ARABIC LETTER JEEM WITH TWO DOTS ABOVE
- 08A3 ظ ARABIC LETTER TAH WITH TWO DOTS ABOVE
- 08A4 فب ARABIC LETTER FEH WITH DOT BELOW AND THREE DOTS ABOVE
- 08A5 قى ARABIC LETTER QAF WITH DOT BELOW
- 08A6 ثل ARABIC LETTER LAM WITH DOUBLE BAR
- 08A7 م ARABIC LETTER MEEM WITH THREE DOTS ABOVE
- 08A8 ئي ARABIC LETTER YEH WITH TWO DOTS BELOW AND HAMZA ABOVE
- Adamawa Fulfulde
  - used for the implosive palatal approximant, realized as pharyngealization of the approximant
  - 01B4 y' latin small letter y with hook
- 08A9 ئي ARABIC LETTER YEH WITH TWO DOTS BELOW AND DOT ABOVE
- Adamawa Fulfulde
  - used for the voiced palatal nasal
  - 0272 ɲ latin small letter n with left hook

**Dependent consonants for Rohingya**

- 08AA ر ARABIC LETTER REH WITH LOOP
- = bottya-reh
- 08AB و ARABIC LETTER WAW WITH DOT WITHIN
- = nota-wa
- 08AC ه ARABIC LETTER ROHINGYA YEH
- = bottya-yeh

**Arabic letters for European and Central Asian languages**

- 08AD ا ARABIC LETTER LOW ALEF
- Bashkir, Tatar
- 08AE د ARABIC LETTER DAL WITH THREE DOTS BELOW
- Belarusian
- 08AF عى ARABIC LETTER SAD WITH THREE DOTS BELOW
- Belarusian
- 08B0 گى ARABIC LETTER GAF WITH INVERTED STROKE
- Crimean Tatar, Chechen, Lak
- 08B1 و ARABIC LETTER STRAIGHT WAW
- Tatar

**Arabic letter for Berber**

- 08B2 ز ARABIC LETTER ZAIN WITH INVERTED V ABOVE

**Arabic letters for Arwi**

- 08B3 ع ARABIC LETTER AIN WITH THREE DOTS BELOW
- 08B4 ك ARABIC LETTER KAF WITH DOT BELOW

**Arabic letters for Bravanese**

- 08B6 ب ARABIC LETTER BEH WITH SMALL MEEM ABOVE
- 08B7 پ ARABIC LETTER PEH WITH SMALL MEEM ABOVE
- 08B8 ت ARABIC LETTER TEH WITH SMALL TEH ABOVE
- 08B9 ز ARABIC LETTER REH WITH SMALL NOON ABOVE
- 08BA ئي ARABIC LETTER YEH WITH TWO DOTS BELOW AND SMALL NOON ABOVE

**Arabic letters for Warsh orthography**

*The Warsh orthography is the most widespread tradition for the Arabic script in North and West Africa.*

- 08BB ف ARABIC LETTER AFRICAN FEH
- initial and medial forms have one dot below
  - 06A1 ف arabic letter dotless feh
  - 06A2 ف arabic letter feh with dot moved below
- 08BC ق ARABIC LETTER AFRICAN QAF
- initial and medial forms have one dot above
  - 066F ق arabic letter dotless qaf
  - 06A7 ق arabic letter qaf with dot above
- 08BD ن ARABIC LETTER AFRICAN NOON
- initial and medial forms have one dot above
  - 06BA ن arabic letter noon ghunna
  - 0646 ن arabic letter noon

**Quranic annotation signs**

- 08D3 و ARABIC SMALL LOW WAW
- 08D4 ر ARABIC SMALL HIGH WORD AR-RUB
- 08D5 س ARABIC SMALL HIGH SAD
- 08D6 ا ARABIC SMALL HIGH AIN
- 08D7 ق ARABIC SMALL HIGH QAF
- 08D8 ن ARABIC SMALL HIGH NOON WITH KASRA
- 08D9 ن ARABIC SMALL LOW NOON WITH KASRA
- 08DA ر ARABIC SMALL HIGH WORD ATH-THALATHA
- 08DB ر ARABIC SMALL HIGH WORD AS-SAJDA
- 08DC ر ARABIC SMALL HIGH WORD AN-NISF
- 08DD ر ARABIC SMALL HIGH WORD SAKTA
- 08DE ر ARABIC SMALL HIGH WORD QIF
- 08DF ر ARABIC SMALL HIGH WORD WAQFA
- 08E0 ر ARABIC SMALL HIGH FOOTNOTE MARKER
- 08E1 ر ARABIC SMALL HIGH SIGN SAFHA
- 08E2 ر ARABIC DISPUTED END OF AYAH

**Extended vowel sign for Arwi**

- 08E3 و ARABIC TURNED DAMMA BELOW

**Extended vowel signs for Rohingya**

- 08E4 ا ARABIC CURLY FATHA
- 08E5 ا ARABIC CURLY DAMMA
- 08E6 ا ARABIC CURLY KASRA
- 08E7 ا ARABIC CURLY FATHATAN
- 08E8 ا ARABIC CURLY DAMMATAN
- 08E9 ا ARABIC CURLY KASRATAN

**Tone marks for Rohingya**

- 08EA ا ARABIC TONE ONE DOT ABOVE
- 08EB ا ARABIC TONE TWO DOTS ABOVE
- 08EC ا ARABIC TONE LOOP ABOVE
- 08ED ا ARABIC TONE ONE DOT BELOW
- 08EE ا ARABIC TONE TWO DOTS BELOW
- 08EF ا ARABIC TONE LOOP BELOW

**Quranic annotation signs**

- 08F0 ا ARABIC OPEN FATHATAN
- = successive fathatan
- 08F1 ا ARABIC OPEN DAMMATAN
- = successive dammatan
- 08F2 ا ARABIC OPEN KASRATAN
- = successive kasratan
- 08F3 ا ARABIC SMALL HIGH WAW

**Extended vowel signs for African languages**

- 08F4 ا ARABIC FATHA WITH RING

**08F5****Arabic Extended-A****08FF**

|      |     |                                                                    |
|------|-----|--------------------------------------------------------------------|
| 08F5 | ◌َ  | ARABIC FATHA WITH DOT ABOVE                                        |
| 08F6 | ◌ِ  | ARABIC KASRA WITH DOT BELOW<br>• also used in Philippine languages |
| 08F7 | ◌◀  | ARABIC LEFT ARROWHEAD ABOVE                                        |
| 08F8 | ◌▶  | ARABIC RIGHT ARROWHEAD ABOVE                                       |
| 08F9 | ◌◀  | ARABIC LEFT ARROWHEAD BELOW                                        |
| 08FA | ◌▶  | ARABIC RIGHT ARROWHEAD BELOW                                       |
| 08FB | ◌◀◀ | ARABIC DOUBLE RIGHT ARROWHEAD ABOVE                                |
| 08FC | ◌▶▶ | ARABIC DOUBLE RIGHT ARROWHEAD ABOVE<br>WITH DOT                    |
| 08FD | ◌▶  | ARABIC RIGHT ARROWHEAD ABOVE WITH DOT                              |

**Extended vowel signs**

|      |    |                                                 |
|------|----|-------------------------------------------------|
| 08FE | ◌◌ | ARABIC DAMMA WITH DOT<br>• Philippine languages |
| 08FF | ◌◌ | ARABIC MARK SIDEWAYS NOON GHUNNA                |

|   | 098       | 099       | 09A       | 09B       | 09C       | 09D        | 09E       | 09F       |
|---|-----------|-----------|-----------|-----------|-----------|------------|-----------|-----------|
| 0 | ৭<br>0980 | ঐ<br>0990 | ঔ<br>09A0 | র<br>09B0 | ী<br>09C0 |            | ঋ<br>09E0 | ষ<br>09F0 |
| 1 | ঁ<br>0981 |           | ড<br>09A1 |           | ু<br>09C1 |            | ঋ<br>09E1 | ষ<br>09F1 |
| 2 | ং<br>0982 |           | ঢ<br>09A2 | ল<br>09B2 | ূ<br>09C2 |            | ঋ<br>09E2 | ঁ<br>09F2 |
| 3 | ঃ<br>0983 | ও<br>0993 | ণ<br>09A3 |           | ্<br>09C3 |            | ঋ<br>09E3 | ট<br>09F3 |
| 4 |           | ঔ<br>0994 | ত<br>09A4 |           | ্<br>09C4 |            |           | ঁ<br>09F4 |
| 5 | অ<br>0985 | ক<br>0995 | থ<br>09A5 |           |           |            |           | ূ<br>09F5 |
| 6 | আ<br>0986 | খ<br>0996 | দ<br>09A6 | শ<br>09B6 |           |            | ০<br>09E6 | ৳<br>09F6 |
| 7 | ই<br>0987 | গ<br>0997 | ধ<br>09A7 | ষ<br>09B7 | ে<br>09C7 | ী<br>09D7  | ১<br>09E7 | ।<br>09F7 |
| 8 | ঈ<br>0988 | য<br>0998 | ন<br>09A8 | স<br>09B8 | ৈ<br>09C8 |            | ২<br>09E8 | ৷<br>09F8 |
| 9 | উ<br>0989 | ঙ<br>0999 |           | হ<br>09B9 |           |            | ৩<br>09E9 | ০<br>09F9 |
| A | ঊ<br>098A | চ<br>099A | প<br>09AA |           |           |            | ৪<br>09EA | ূ<br>09FA |
| B | ঋ<br>098B | ছ<br>099B | ফ<br>09AB |           | ৌ<br>09CB |            | ৫<br>09EB | ূ<br>09FB |
| C | ঌ<br>098C | জ<br>099C | ব<br>09AC | ়<br>09BC | ৌ<br>09CC | ড়<br>09DC | ৬<br>09EC | ূ<br>09FC |
| D |           | ঝ<br>099D | ভ<br>09AD | হ<br>09BD | ্<br>09CD | ঢ<br>09DD  | ৭<br>09ED | ০<br>09FD |
| E |           | ঞ<br>099E | ম<br>09AE | া<br>09BE | ৎ<br>09CE |            | ৮<br>09EE | ূ<br>09FE |
| F | এ<br>098F | ট<br>099F | য<br>09AF | ি<br>09BF |           | য়<br>09DF | ৯<br>09EF |           |

The Bengali script is also known as Bangla. In Assam, the preferred name of the script is Asamiya or Assamese. The Assamese language has also been written historically using distinct regional scripts known as Kamrupi.

### Various signs

|      |   |                                                   |
|------|---|---------------------------------------------------|
| 0980 | ৐ | BENGALI ANJI                                      |
|      |   | = siddham, siddhirastu                            |
|      |   | • used at the beginning of texts as an invocation |
| 0981 | ঁ | BENGALI SIGN CANDRABINDU                          |
| 0982 | ূ | BENGALI SIGN ANUSVARA                             |
| 0983 | ৃ | BENGALI SIGN VISARGA                              |

### Independent vowels

|      |   |                          |
|------|---|--------------------------|
| 0985 | অ | BENGALI LETTER A         |
| 0986 | আ | BENGALI LETTER AA        |
| 0987 | ই | BENGALI LETTER I         |
| 0988 | ঈ | BENGALI LETTER II        |
| 0989 | উ | BENGALI LETTER U         |
| 098A | ঊ | BENGALI LETTER UU        |
| 098B | ঋ | BENGALI LETTER VOCALIC R |
| 098C | ৠ | BENGALI LETTER VOCALIC L |
| 098D | ৡ | <reserved>               |
| 098E | ৢ | <reserved>               |
| 098F | এ | BENGALI LETTER E         |
| 0990 | ঐ | BENGALI LETTER EI        |
| 0991 | ৣ | <reserved>               |
| 0992 | ৤ | <reserved>               |
| 0993 | ও | BENGALI LETTER O         |
| 0994 | ৥ | BENGALI LETTER AU        |

### Consonants

|      |   |                     |
|------|---|---------------------|
| 0995 | ক | BENGALI LETTER KA   |
| 0996 | খ | BENGALI LETTER KHA  |
| 0997 | গ | BENGALI LETTER GA   |
| 0998 | ঘ | BENGALI LETTER GHA  |
| 0999 | ঙ | BENGALI LETTER NGA  |
| 099A | চ | BENGALI LETTER CA   |
| 099B | ছ | BENGALI LETTER CHA  |
| 099C | জ | BENGALI LETTER JA   |
| 099D | ঝ | BENGALI LETTER JHA  |
| 099E | ঞ | BENGALI LETTER NYA  |
| 099F | ট | BENGALI LETTER TTA  |
| 09A0 | ঠ | BENGALI LETTER TTHA |
| 09A1 | ড | BENGALI LETTER DDA  |
| 09A2 | ঢ | BENGALI LETTER DDHA |
| 09A3 | ণ | BENGALI LETTER NNA  |
| 09A4 | ত | BENGALI LETTER TA   |
| 09A5 | থ | BENGALI LETTER THA  |
| 09A6 | দ | BENGALI LETTER DA   |
| 09A7 | ধ | BENGALI LETTER DHA  |
| 09A8 | ন | BENGALI LETTER NA   |
| 09A9 | ১ | <reserved>          |
| 09AA | প | BENGALI LETTER PA   |
| 09AB | ফ | BENGALI LETTER PHA  |
| 09AC | ব | BENGALI LETTER BA   |
|      |   | = Bengali va, wa    |
| 09AD | ভ | BENGALI LETTER BHA  |
| 09AE | ম | BENGALI LETTER MA   |
| 09AF | য | BENGALI LETTER YA   |
| 09B0 | র | BENGALI LETTER RA   |
| 09B1 | ২ | <reserved>          |
| 09B2 | ল | BENGALI LETTER LA   |

|      |   |                    |
|------|---|--------------------|
| 09B3 | ৩ | <reserved>         |
| 09B4 | ৪ | <reserved>         |
| 09B5 | ৫ | <reserved>         |
| 09B6 | শ | BENGALI LETTER SHA |
| 09B7 | ষ | BENGALI LETTER SSA |
| 09B8 | স | BENGALI LETTER SA  |
| 09B9 | হ | BENGALI LETTER HA  |

### Various signs

|      |   |                                             |
|------|---|---------------------------------------------|
| 09BC | ০ | BENGALI SIGN NUKTA                          |
|      |   | • for extending the alphabet to new letters |
| 09BD | ২ | BENGALI SIGN AVAGRAHA                       |

### Dependent vowel signs

|      |   |                                       |
|------|---|---------------------------------------|
| 09BE | া | BENGALI VOWEL SIGN AA                 |
| 09BF | ি | BENGALI VOWEL SIGN I                  |
|      |   | • stands to the left of the consonant |
| 09C0 | ী | BENGALI VOWEL SIGN II                 |
| 09C1 | ু | BENGALI VOWEL SIGN U                  |
| 09C2 | ূ | BENGALI VOWEL SIGN UU                 |
| 09C3 | ৄ | BENGALI VOWEL SIGN VOCALIC R          |
| 09C4 | ৠ | BENGALI VOWEL SIGN VOCALIC RR         |
| 09C5 | ৡ | <reserved>                            |
| 09C6 | ৢ | <reserved>                            |
| 09C7 | ে | BENGALI VOWEL SIGN E                  |
|      |   | • stands to the left of the consonant |
| 09C8 | ৈ | BENGALI VOWEL SIGN EI                 |
|      |   | • stands to the left of the consonant |

### Two-part dependent vowel signs

These vowel signs have glyph pieces which stand on both sides of the consonant; they follow the consonant in logical order, and should be handled as a unit for most processing.

|      |   |                       |
|------|---|-----------------------|
| 09CB | ো | BENGALI VOWEL SIGN O  |
|      |   | ≡ 09C7 ে 09BE া       |
| 09CC | ৌ | BENGALI VOWEL SIGN AU |
|      |   | ≡ 09C7 ে 09D7 ঐ       |

### Virama

|      |   |                                    |
|------|---|------------------------------------|
| 09CD | ০ | BENGALI SIGN VIRAMA                |
|      |   | = hasant (Bengali term for halant) |

### Additional consonant

|      |   |                                                                               |
|------|---|-------------------------------------------------------------------------------|
| 09CE | ৎ | BENGALI LETTER KHANDA TA                                                      |
|      |   | • a dead consonant form of ta, without implicit vowel, used in some sequences |

### Sign

|      |   |                        |
|------|---|------------------------|
| 09D7 | া | BENGALI AU LENGTH MARK |
|------|---|------------------------|

### Additional consonants

|      |   |                    |
|------|---|--------------------|
| 09DC | ৳ | BENGALI LETTER RRA |
|      |   | ≡ 09A1 ড 09BC ০    |
| 09DD | ৴ | BENGALI LETTER RHA |
|      |   | ≡ 09A2 ঢ 09BC ০    |
| 09DE | ১ | <reserved>         |
| 09DF | ৲ | BENGALI LETTER YYA |
|      |   | ≡ 09AF য 09BC ০    |

### Additional vowels for Sanskrit

|      |   |                               |
|------|---|-------------------------------|
| 09E0 | ঋ | BENGALI LETTER VOCALIC RR     |
| 09E1 | ৠ | BENGALI LETTER VOCALIC LL     |
| 09E2 | ৡ | BENGALI VOWEL SIGN VOCALIC L  |
| 09E3 | ৢ | BENGALI VOWEL SIGN VOCALIC LL |

**Reserved**

For viram punctuation, use the generic Indic 0964 and 0965.  
Note that these punctuation marks are referred to as *dahri* and *double dahri* in Bangla.

- 09E4  <reserved>  
→ 0964 I devanagari danda
- 09E5  <reserved>  
→ 0965 II devanagari double danda

**Digits**

- 09E6 ০ BENGALI DIGIT ZERO
- 09E7 ১ BENGALI DIGIT ONE
- 09E8 ২ BENGALI DIGIT TWO
- 09E9 ৩ BENGALI DIGIT THREE
- 09EA ৪ BENGALI DIGIT FOUR
- 09EB ৫ BENGALI DIGIT FIVE
- 09EC ৬ BENGALI DIGIT SIX
- 09ED ৭ BENGALI DIGIT SEVEN
- 09EE ৮ BENGALI DIGIT EIGHT
- 09EF ৯ BENGALI DIGIT NINE

**Additions for Assamese**

- 09F0 ৰ BENGALI LETTER RA WITH MIDDLE DIAGONAL  
= Assamese letter ra
- 09F1 ৱ BENGALI LETTER RA WITH LOWER DIAGONAL  
= Assamese letter wa  
= bengali letter va with lower diagonal (1.0)

**Currency signs**

- 09F2 ৳ BENGALI RUPEE MARK  
= taka  
• historic currency sign
- 09F3 ৳ BENGALI RUPEE SIGN  
= Bangladeshi taka

**Historic symbols for fractional values**

The use of these signs is not limited to currency, despite the character names.

- 09F4 ১ BENGALI CURRENCY NUMERATOR ONE  
• not in current usage
- 09F5 ২ BENGALI CURRENCY NUMERATOR TWO  
• not in current usage
- 09F6 ৩ BENGALI CURRENCY NUMERATOR THREE  
• not in current usage
- 09F7 ৪ BENGALI CURRENCY NUMERATOR FOUR
- 09F8 ৫ BENGALI CURRENCY NUMERATOR ONE LESS THAN THE DENOMINATOR
- 09F9 ৬ BENGALI CURRENCY DENOMINATOR SIXTEEN

**Sign**

- 09FA ৩ BENGALI ISSHAR  
= ishvar  
• represents the name of a deity  
= svargiya  
• written before the name of a deceased person

**Historic currency sign**

- 09FB ৳ BENGALI GANDA MARK

**Signs**

- 09FC ৳ BENGALI LETTER VEDIC ANUSVARA
- 09FD ৳ BENGALI ABBREVIATION SIGN

|      |   |                                                   |
|------|---|---------------------------------------------------|
| 09FE | ৳ | BENGALI SANDHI MARK                               |
|      |   | • indicates external sandhi in Sanskrit documents |
|      |   | → 09BD ৳ bengali sign avagraha                    |
|      |   | → 111C9 ৳ sharada sandhi mark                     |
|      |   | → 1145E ৳ newa sandhi mark                        |

|   | 0A0       | 0A1        | 0A2        | 0A3        | 0A4        | 0A5        | 0A6        | 0A7        |
|---|-----------|------------|------------|------------|------------|------------|------------|------------|
| 0 |           | ਐ<br>0A10  | ਠ<br>0A20  | ਰ<br>0A30  | ੀ<br>0A40  |            |            | ੰ<br>0A70  |
| 1 | ੱ<br>0A01 |            | ਡ<br>0A21  |            | ੁ<br>0A41  | ੍ਰ<br>0A51 |            | ੱ<br>0A71  |
| 2 | ਂ<br>0A02 |            | ਢ<br>0A22  | ਲ<br>0A32  | ੂ<br>0A42  |            |            | ੲ<br>0A72  |
| 3 | ੰ<br>0A03 | ਓ<br>0A13  | ਣ<br>0A23  | ਲ਼<br>0A33 |            |            |            | ੳ<br>0A73  |
| 4 |           | ਐ<br>0A14  | ਤ<br>0A24  |            |            |            |            | ੲੳ<br>0A74 |
| 5 | ਅ<br>0A05 | ਕ<br>0A15  | ਬ<br>0A25  | ਵ<br>0A35  |            |            |            | ੍ਰ<br>0A75 |
| 6 | ਆ<br>0A06 | ਖ<br>0A16  | ਦ<br>0A26  | ਸ਼<br>0A36 |            |            | ੳ<br>0A66  | ੲ<br>0A76  |
| 7 | ਇ<br>0A07 | ਗ<br>0A17  | ਧ<br>0A27  |            | ੇ<br>0A47  |            | ੲ<br>0A67  |            |
| 8 | ਈ<br>0A08 | ਘ<br>0A18  | ਨ<br>0A28  | ਸ਼<br>0A38 | ੈ<br>0A48  |            | ੲ<br>0A68  |            |
| 9 | ਉ<br>0A09 | ਙ<br>0A19  |            | ਹ<br>0A39  |            | ਖ਼<br>0A59 | ੲ<br>0A69  |            |
| A | ਊ<br>0A0A | ਚ<br>0A1A  | ਪ<br>0A2A  |            |            | ਗ਼<br>0A5A | ੲ<br>0A6A  |            |
| B |           | ਛ<br>0A1B  | ਫ<br>0A2B  |            | ੋ<br>0A4B  | ਜ਼<br>0A5B | ਪ਼<br>0A6B |            |
| C |           | ਜ਼<br>0A1C | ਬ਼<br>0A2C | ਼<br>0A3C  | ੌ<br>0A4C  | ੲ<br>0A5C  | ੲ<br>0A6C  |            |
| D |           | ਝ<br>0A1D  | ਭ<br>0A2D  |            | ੍ਰ<br>0A4D |            | ੲ<br>0A6D  |            |
| E |           | ਵ਼<br>0A1E | ਮ਼<br>0A2E | ਾ<br>0A3E  |            | ਫ਼<br>0A5E | ੲ<br>0A6E  |            |
| F | ਏ<br>0A0F | ਟ<br>0A1F  | ਯ<br>0A2F  | ਿ<br>0A3F  |            |            | ੲ<br>0A6F  |            |

**Various signs**

|      |    |                          |
|------|----|--------------------------|
| 0A01 | ◌ँ | GURMUKHI SIGN ADAK BINDI |
| 0A02 | ◌ं | GURMUKHI SIGN BINDI      |
| 0A03 | ◌ः | GURMUKHI SIGN VISARGA    |

**Independent vowels**

|      |   |                             |
|------|---|-----------------------------|
| 0A05 | ਅ | GURMUKHI LETTER A<br>= aira |
| 0A06 | ਆ | GURMUKHI LETTER AA          |
| 0A07 | ਇ | GURMUKHI LETTER I           |
| 0A08 | ਈ | GURMUKHI LETTER II          |
| 0A09 | ਉ | GURMUKHI LETTER U           |
| 0A0A | ਊ | GURMUKHI LETTER UU          |
| 0A0B | ◌ | <reserved>                  |
| 0A0C | ◌ | <reserved>                  |
| 0A0D | ◌ | <reserved>                  |
| 0A0E | ◌ | <reserved>                  |
| 0A0F | ਏ | GURMUKHI LETTER EE          |
| 0A10 | ਐ | GURMUKHI LETTER AI          |
| 0A11 | ◌ | <reserved>                  |
| 0A12 | ◌ | <reserved>                  |
| 0A13 | ਓ | GURMUKHI LETTER OO          |
| 0A14 | ਔ | GURMUKHI LETTER AU          |

**Consonants**

|      |    |                                         |
|------|----|-----------------------------------------|
| 0A15 | ਕ  | GURMUKHI LETTER KA                      |
| 0A16 | ਖ  | GURMUKHI LETTER KHA                     |
| 0A17 | ਗ  | GURMUKHI LETTER GA                      |
| 0A18 | ਘ  | GURMUKHI LETTER GHA                     |
| 0A19 | ਙ  | GURMUKHI LETTER NGA                     |
| 0A1A | ਚ  | GURMUKHI LETTER CA                      |
| 0A1B | ਛ  | GURMUKHI LETTER CHA                     |
| 0A1C | ਜ  | GURMUKHI LETTER JA                      |
| 0A1D | ਝ  | GURMUKHI LETTER JHA                     |
| 0A1E | ਞ  | GURMUKHI LETTER NYA                     |
| 0A1F | ਟ  | GURMUKHI LETTER TTA                     |
| 0A20 | ਠ  | GURMUKHI LETTER TTHA                    |
| 0A21 | ਡ  | GURMUKHI LETTER DDA                     |
| 0A22 | ਢ  | GURMUKHI LETTER DDHA                    |
| 0A23 | ਣ  | GURMUKHI LETTER NNA                     |
| 0A24 | ਤ  | GURMUKHI LETTER TA                      |
| 0A25 | ਥ  | GURMUKHI LETTER THA                     |
| 0A26 | ਦ  | GURMUKHI LETTER DA                      |
| 0A27 | ਧ  | GURMUKHI LETTER DHA                     |
| 0A28 | ਨ  | GURMUKHI LETTER NA                      |
| 0A29 | ◌  | <reserved>                              |
| 0A2A | ਪ  | GURMUKHI LETTER PA                      |
| 0A2B | ਫ  | GURMUKHI LETTER PHA                     |
| 0A2C | ਬ  | GURMUKHI LETTER BA                      |
| 0A2D | ਭ  | GURMUKHI LETTER BHA                     |
| 0A2E | ਮ  | GURMUKHI LETTER MA                      |
| 0A2F | ਯ  | GURMUKHI LETTER YA                      |
| 0A30 | ਰ  | GURMUKHI LETTER RA                      |
| 0A31 | ◌  | <reserved>                              |
| 0A32 | ਲ  | GURMUKHI LETTER LA                      |
| 0A33 | ਲ਼ | GURMUKHI LETTER LLA<br>≡ 0A32 ਲ਼ 0A3C ੱ |
| 0A34 | ◌  | <reserved>                              |
| 0A35 | ਵ  | GURMUKHI LETTER VA                      |
| 0A36 | ਸ਼ | GURMUKHI LETTER SHA<br>≡ 0A38 ਸ਼ 0A3C ੱ |
| 0A37 | ◌  | <reserved>                              |
| 0A38 | ਸ  | GURMUKHI LETTER SA                      |

|      |   |                    |
|------|---|--------------------|
| 0A39 | ਹ | GURMUKHI LETTER HA |
|------|---|--------------------|

**Various signs**

|      |   |                                                                                      |
|------|---|--------------------------------------------------------------------------------------|
| 0A3C | ◌ | GURMUKHI SIGN NUKTA<br>= pairin bindi<br>• for extending the alphabet to new letters |
|------|---|--------------------------------------------------------------------------------------|

**Dependent vowel signs**

|      |    |                                                                            |
|------|----|----------------------------------------------------------------------------|
| 0A3E | ◌ੜ | GURMUKHI VOWEL SIGN AA<br>= kanna                                          |
| 0A3F | ◌ਿ | GURMUKHI VOWEL SIGN I<br>= sihari<br>• stands to the left of the consonant |
| 0A40 | ◌ੀ | GURMUKHI VOWEL SIGN II<br>= bihari                                         |
| 0A41 | ◌ੁ | GURMUKHI VOWEL SIGN U<br>= aunkar                                          |
| 0A42 | ◌ੂ | GURMUKHI VOWEL SIGN UU<br>= dulanvar                                       |
| 0A43 | ◌  | <reserved>                                                                 |
| 0A44 | ◌  | <reserved>                                                                 |
| 0A45 | ◌  | <reserved>                                                                 |
| 0A46 | ◌  | <reserved>                                                                 |
| 0A47 | ◌ੌ | GURMUKHI VOWEL SIGN EE<br>= lanvan                                         |
| 0A48 | ◌ੈ | GURMUKHI VOWEL SIGN AI<br>= dulanvan                                       |
| 0A49 | ◌  | <reserved>                                                                 |
| 0A4A | ◌  | <reserved>                                                                 |
| 0A4B | ◌ੌ | GURMUKHI VOWEL SIGN OO<br>= hora                                           |
| 0A4C | ◌ੈ | GURMUKHI VOWEL SIGN AU<br>= kanaura                                        |

**Virama**

|      |   |                      |
|------|---|----------------------|
| 0A4D | ◌ | GURMUKHI SIGN VIRAMA |
|------|---|----------------------|

**Sign**

|      |   |                     |
|------|---|---------------------|
| 0A51 | ◌ | GURMUKHI SIGN UDAAT |
|------|---|---------------------|

**Additional consonants**

|      |    |                                          |
|------|----|------------------------------------------|
| 0A59 | ਖ਼ | GURMUKHI LETTER KHHA<br>≡ 0A16 ਖ਼ 0A3C ੱ |
| 0A5A | ਗ਼ | GURMUKHI LETTER GHHA<br>≡ 0A17 ਗ਼ 0A3C ੱ |
| 0A5B | ਜ਼ | GURMUKHI LETTER ZA<br>≡ 0A1C ਜ਼ 0A3C ੱ   |
| 0A5C | ੜ  | GURMUKHI LETTER RRA                      |
| 0A5D | ◌  | <reserved>                               |
| 0A5E | ਫ਼ | GURMUKHI LETTER FA<br>≡ 0A2B ਫ਼ 0A3C ੱ   |

**Reserved**

For viram punctuation, use the generic Indic 0964 and 0965.

|      |   |                                                 |
|------|---|-------------------------------------------------|
| 0A64 | ◌ | <reserved><br>→ 0964 I devanagari danda         |
| 0A65 | ◌ | <reserved><br>→ 0965 II devanagari double danda |

**Digits**

|      |   |                      |
|------|---|----------------------|
| 0A66 | ੦ | GURMUKHI DIGIT ZERO  |
| 0A67 | ੧ | GURMUKHI DIGIT ONE   |
| 0A68 | ੨ | GURMUKHI DIGIT TWO   |
| 0A69 | ੩ | GURMUKHI DIGIT THREE |
| 0A6A | ੪ | GURMUKHI DIGIT FOUR  |
| 0A6B | ੫ | GURMUKHI DIGIT FIVE  |

## 0A6C

## Gurmukhi

## 0A76

0A6C ੋ GURMUKHI DIGIT SIX  
 0A6D ੌ GURMUKHI DIGIT SEVEN  
 0A6E ੍ GURMUKHI DIGIT EIGHT  
 0A6F ੎ GURMUKHI DIGIT NINE

**Signs**

0A70 ੰ GURMUKHI TIPPI  
 • nasalization  
 0A71 ੱ GURMUKHI ADDAK  
 • doubles following consonant

**Vowel bases**

0A72 ੲ GURMUKHI IRI  
 0A73 ੳ GURMUKHI URA

**Signs**

0A74 ੴ GURMUKHI EK ONKAR  
 • God is One  
 0A75 ੵ GURMUKHI SIGN YAKASH  
 • some fonts use an alternate glyph shaped more like the lower part of 0A2F ੲ

0A76 • GURMUKHI ABBREVIATION SIGN  
 → 111C7 • sharada abbreviation sign

|   | 0C0        | 0C1       | 0C2       | 0C3         | 0C4         | 0C5         | 0C6       | 0C7       |
|---|------------|-----------|-----------|-------------|-------------|-------------|-----------|-----------|
| 0 | ౦<br>0C00  | ఐ<br>0C10 | త<br>0C20 | ర<br>0C30   | ్రి<br>0C40 |             | ఋ<br>0C60 |           |
| 1 | ౠ<br>0C01  |           | డ<br>0C21 | ఱ<br>0C31   | ౡ<br>0C41   |             | ౠ<br>0C61 |           |
| 2 | ౢ<br>0C02  | ఓ<br>0C12 | థ<br>0C22 | ల<br>0C32   | ౣ<br>0C42   |             | ౣ<br>0C62 |           |
| 3 | ౤<br>0C03  | ఓ<br>0C13 | ణ<br>0C23 | ళ<br>0C33   | ౥<br>0C43   |             | ౥<br>0C63 |           |
| 4 | ౦̇<br>0C04 | ఔ<br>0C14 | త<br>0C24 | ఱ<br>0C34   | ౦̇<br>0C44  |             |           |           |
| 5 | అ<br>0C05  | క<br>0C15 | థ<br>0C25 | వ<br>0C35   |             | ్రి<br>0C55 |           |           |
| 6 | ఆ<br>0C06  | ఖ<br>0C16 | ద<br>0C26 | శ<br>0C36   | ్రి<br>0C46 | ్రి<br>0C56 | ం<br>0C66 |           |
| 7 | ఇ<br>0C07  | గ<br>0C17 | ధ<br>0C27 | ష<br>0C37   | ్రి<br>0C47 |             | ం<br>0C67 |           |
| 8 | ఈ<br>0C08  | ఘ<br>0C18 | న<br>0C28 | స<br>0C38   | ్రి<br>0C48 | ఙ<br>0C58   | ం<br>0C68 | ం<br>0C78 |
| 9 | ఉ<br>0C09  | జ<br>0C19 |           | హ<br>0C39   |             | జ<br>0C59   | ం<br>0C69 | ం<br>0C79 |
| A | ఊ<br>0C0A  | చ<br>0C1A | ప<br>0C2A |             | ్రి<br>0C4A | ఱ<br>0C5A   | ం<br>0C6A | ం<br>0C7A |
| B | ఋ<br>0C0B  | ఛ<br>0C1B | ఫ<br>0C2B |             | ్రి<br>0C4B |             | ం<br>0C6B | ం<br>0C7B |
| C | ౠ<br>0C0C  | జ<br>0C1C | బ<br>0C2C |             | ్రి<br>0C4C |             | ం<br>0C6C | ం<br>0C7C |
| D |            | ఝ<br>0C1D | భ<br>0C2D | ౠ<br>0C3D   | ్రి<br>0C4D |             | ం<br>0C6D | ం<br>0C7D |
| E | ఎ<br>0C0E  | ఞ<br>0C1E | మ<br>0C2E | ్రి<br>0C3E |             |             | ం<br>0C6E | ం<br>0C7E |
| F | ఏ<br>0C0F  | ట<br>0C1F | య<br>0C2F | ్రి<br>0C3F |             |             | ం<br>0C6F | ం<br>0C7F |

**Various signs**

|      |   |                                                                                                                       |
|------|---|-----------------------------------------------------------------------------------------------------------------------|
| 0C00 | ం | TELUGU SIGN COMBINING CANDRABINDU ABOVE                                                                               |
| 0C01 | ఁ | TELUGU SIGN CANDRABINDU<br>= arasunna<br>• indicates a contextually elided nasal                                      |
| 0C02 | ం | TELUGU SIGN ANUSVARA<br>= sunna<br>• used in Prakrit language texts to indicate gemination of the following consonant |
| 0C03 | ః | TELUGU SIGN VISARGA                                                                                                   |
| 0C04 | ౞ | TELUGU SIGN COMBINING ANUSVARA ABOVE<br>• used in Prakrit language texts for the linguistic anusvara                  |

**Independent vowels**

|      |   |                         |
|------|---|-------------------------|
| 0C05 | అ | TELUGU LETTER A         |
| 0C06 | ఆ | TELUGU LETTER AA        |
| 0C07 | ఇ | TELUGU LETTER I         |
| 0C08 | ఈ | TELUGU LETTER II        |
| 0C09 | ఉ | TELUGU LETTER U         |
| 0C0A | ఊ | TELUGU LETTER UU        |
| 0C0B | ఋ | TELUGU LETTER VOCALIC R |
| 0C0C | ౠ | TELUGU LETTER VOCALIC L |
| 0C0D | ◻ | <reserved>              |
| 0C0E | ఎ | TELUGU LETTER E         |
| 0C0F | ఐ | TELUGU LETTER EE        |
| 0C10 | ఐ | TELUGU LETTER AI        |
| 0C11 | ◻ | <reserved>              |
| 0C12 | ఒ | TELUGU LETTER O         |
| 0C13 | ఓ | TELUGU LETTER OO        |
| 0C14 | ఔ | TELUGU LETTER AU        |

**Consonants**

|      |   |                    |
|------|---|--------------------|
| 0C15 | క | TELUGU LETTER KA   |
| 0C16 | ఖ | TELUGU LETTER KHA  |
| 0C17 | గ | TELUGU LETTER GA   |
| 0C18 | ఘ | TELUGU LETTER GHA  |
| 0C19 | ఙ | TELUGU LETTER NGA  |
| 0C1A | చ | TELUGU LETTER CA   |
| 0C1B | ఛ | TELUGU LETTER CHA  |
| 0C1C | జ | TELUGU LETTER JA   |
| 0C1D | ఝ | TELUGU LETTER JHA  |
| 0C1E | ఞ | TELUGU LETTER NYA  |
| 0C1F | ట | TELUGU LETTER TTA  |
| 0C20 | ఠ | TELUGU LETTER TTHA |
| 0C21 | డ | TELUGU LETTER DDA  |
| 0C22 | ఢ | TELUGU LETTER DDHA |
| 0C23 | ణ | TELUGU LETTER NNA  |
| 0C24 | త | TELUGU LETTER TA   |
| 0C25 | థ | TELUGU LETTER THA  |
| 0C26 | ద | TELUGU LETTER DA   |
| 0C27 | ధ | TELUGU LETTER DHA  |
| 0C28 | న | TELUGU LETTER NA   |
| 0C29 | ◻ | <reserved>         |
| 0C2A | ప | TELUGU LETTER PA   |
| 0C2B | ఫ | TELUGU LETTER PHA  |
| 0C2C | బ | TELUGU LETTER BA   |
| 0C2D | భ | TELUGU LETTER BHA  |
| 0C2E | మ | TELUGU LETTER MA   |
| 0C2F | య | TELUGU LETTER YA   |
| 0C30 | ర | TELUGU LETTER RA   |
| 0C31 | ల | TELUGU LETTER RRA  |

|      |   |                    |
|------|---|--------------------|
| 0C32 | ల | TELUGU LETTER LA   |
| 0C33 | ళ | TELUGU LETTER LLA  |
| 0C34 | ణ | TELUGU LETTER LLLA |
| 0C35 | వ | TELUGU LETTER VA   |
| 0C36 | శ | TELUGU LETTER SHA  |
| 0C37 | ష | TELUGU LETTER SSA  |
| 0C38 | స | TELUGU LETTER SA   |
| 0C39 | హ | TELUGU LETTER HA   |

**Addition for Sanskrit**

|      |   |                      |
|------|---|----------------------|
| 0C3D | ॐ | TELUGU SIGN AVAGRAHA |
|------|---|----------------------|

**Dependent vowel signs**

|      |   |                                         |
|------|---|-----------------------------------------|
| 0C3E | ౡ | TELUGU VOWEL SIGN AA                    |
| 0C3F | ౢ | TELUGU VOWEL SIGN I                     |
| 0C40 | ౣ | TELUGU VOWEL SIGN II                    |
| 0C41 | ౤ | TELUGU VOWEL SIGN U                     |
| 0C42 | ౥ | TELUGU VOWEL SIGN UU                    |
| 0C43 | ౦ | TELUGU VOWEL SIGN VOCALIC R             |
| 0C44 | ౠ | TELUGU VOWEL SIGN VOCALIC RR            |
| 0C45 | ◻ | <reserved>                              |
| 0C46 | ౡ | TELUGU VOWEL SIGN E                     |
| 0C47 | ౢ | TELUGU VOWEL SIGN EE                    |
| 0C48 | ౣ | TELUGU VOWEL SIGN AI<br>≡ 0C46 ౡ 0C56 ౤ |
| 0C49 | ◻ | <reserved>                              |
| 0C4A | ౤ | TELUGU VOWEL SIGN O                     |
| 0C4B | ౥ | TELUGU VOWEL SIGN OO                    |
| 0C4C | ౦ | TELUGU VOWEL SIGN AU                    |

**Virama**

|      |   |                                                     |
|------|---|-----------------------------------------------------|
| 0C4D | ్ | TELUGU SIGN VIRAMA<br>= halant (the preferred name) |
|------|---|-----------------------------------------------------|

**Various signs**

|      |   |                       |
|------|---|-----------------------|
| 0C55 | ం | TELUGU LENGTH MARK    |
| 0C56 | ్ | TELUGU AI LENGTH MARK |

**Historic phonetic variants**

|      |   |                                                                                                  |
|------|---|--------------------------------------------------------------------------------------------------|
| 0C58 | ఱ | TELUGU LETTER TSA                                                                                |
| 0C59 | ఱ | TELUGU LETTER DZA                                                                                |
| 0C5A | ఱ | TELUGU LETTER RRRA<br>• letter for an alveolar consonant whose exact phonetic value is not known |

**Additional vowels for Sanskrit**

|      |   |                          |
|------|---|--------------------------|
| 0C60 | ఠ | TELUGU LETTER VOCALIC RR |
| 0C61 | ౡ | TELUGU LETTER VOCALIC LL |

**Dependent vowels**

|      |   |                              |
|------|---|------------------------------|
| 0C62 | ౡ | TELUGU VOWEL SIGN VOCALIC L  |
| 0C63 | ౢ | TELUGU VOWEL SIGN VOCALIC LL |

**Reserved**

For viram punctuation, use the generic Indic 0964 and 0965.

|      |   |                                                 |
|------|---|-------------------------------------------------|
| 0C64 | ◻ | <reserved><br>→ 0964 I devanagari danda         |
| 0C65 | ◻ | <reserved><br>→ 0965 II devanagari double danda |

**Digits**

|      |   |                    |
|------|---|--------------------|
| 0C66 | ౦ | TELUGU DIGIT ZERO  |
| 0C67 | ౧ | TELUGU DIGIT ONE   |
| 0C68 | ౨ | TELUGU DIGIT TWO   |
| 0C69 | ౩ | TELUGU DIGIT THREE |
| 0C6A | ౪ | TELUGU DIGIT FOUR  |
| 0C6B | ౫ | TELUGU DIGIT FIVE  |

|      |   |                    |
|------|---|--------------------|
| 0C6C | ఁ | TELUGU DIGIT SIX   |
| 0C6D | ె | TELUGU DIGIT SEVEN |
| 0C6E | ః | TELUGU DIGIT EIGHT |
| 0C6F | ి | TELUGU DIGIT NINE  |

**Telugu fractions and weights**

|      |   |                                                     |
|------|---|-----------------------------------------------------|
| 0C78 | ౧ | TELUGU FRACTION DIGIT ZERO FOR ODD POWERS OF FOUR   |
| 0C79 | ౨ | TELUGU FRACTION DIGIT ONE FOR ODD POWERS OF FOUR    |
| 0C7A | ౩ | TELUGU FRACTION DIGIT TWO FOR ODD POWERS OF FOUR    |
| 0C7B | ౪ | TELUGU FRACTION DIGIT THREE FOR ODD POWERS OF FOUR  |
| 0C7C | — | TELUGU FRACTION DIGIT ONE FOR EVEN POWERS OF FOUR   |
| 0C7D | ౫ | TELUGU FRACTION DIGIT TWO FOR EVEN POWERS OF FOUR   |
| 0C7E | ౬ | TELUGU FRACTION DIGIT THREE FOR EVEN POWERS OF FOUR |
| 0C7F | ౭ | TELUGU SIGN TUUMU                                   |

|   | 0C8       | 0C9       | 0CA       | 0CB       | 0CC       | 0CD       | 0CE        | 0CF       |
|---|-----------|-----------|-----------|-----------|-----------|-----------|------------|-----------|
| 0 | ೏<br>0C80 | ಐ<br>0C90 | ಠ<br>0CA0 | ರ<br>0CB0 | ೀ<br>0CC0 |           | ಮೊ<br>0CE0 |           |
| 1 | ೞ<br>0C81 |           | ಡ<br>0CA1 | ಱ<br>0CB1 | ು<br>0CC1 |           | ೞ<br>0CE1  | ಱ<br>0CF1 |
| 2 | ಂ<br>0C82 | ಒ<br>0C92 | ಢ<br>0CA2 | ಲ<br>0CB2 | ೂ<br>0CC2 |           | ೞ<br>0CE2  | ಱ<br>0CF2 |
| 3 | ಃ<br>0C83 | ಓ<br>0C93 | ಣ<br>0CA3 | ಳ<br>0CB3 | ೊ<br>0CC3 |           | ೞ<br>0CE3  |           |
| 4 | ಠ<br>0C84 | ಔ<br>0C94 | ತ<br>0CA4 |           | ೂ<br>0CC4 |           |            |           |
| 5 | ಅ<br>0C85 | ಕ<br>0C95 | ಥ<br>0CA5 | ಬ<br>0CB5 |           | ೇ<br>0CD5 |            |           |
| 6 | ಆ<br>0C86 | ಖ<br>0C96 | ದ<br>0CA6 | ಶ<br>0CB6 | ಿ<br>0CC6 | ು<br>0CD6 | ೞ<br>0CE6  |           |
| 7 | ಇ<br>0C87 | ಗ<br>0C97 | ಧ<br>0CA7 | ಷ<br>0CB7 | ೀ<br>0CC7 |           | ೞ<br>0CE7  |           |
| 8 | ಈ<br>0C88 | ಘ<br>0C98 | ನ<br>0CA8 | ಸ<br>0CB8 | ೈ<br>0CC8 |           | ೞ<br>0CE8  |           |
| 9 | ಉ<br>0C89 | ಜ<br>0C99 |           | ಹ<br>0CB9 |           |           | ೞ<br>0CE9  |           |
| A | ಊ<br>0C8A | ಚ<br>0C9A | ಪ<br>0CAA |           | ೊ<br>0CCA |           | ೞ<br>0CEA  |           |
| B | ಋ<br>0C8B | ಛ<br>0C9B | ಫ<br>0CAB |           | ೋ<br>0CCB |           | ೞ<br>0CEB  |           |
| C | ೞ<br>0C8C | ಜ<br>0C9C | ಬ<br>0CAC | ಃ<br>0CBC | ೞ<br>0CCC |           | ೞ<br>0CEC  |           |
| D |           | ಝ<br>0C9D | ಭ<br>0CAD | ಽ<br>0CBD | ್<br>0CCD |           | ೞ<br>0CED  |           |
| E | ಎ<br>0C8E | ಞ<br>0C9E | ಮ<br>0CAE | ಾ<br>0CBE |           | ಱ<br>0CDE | ೞ<br>0CEE  |           |
| F | ಏ<br>0C8F | ಟ<br>0C9F | ಯ<br>0CAF | ಿ<br>0CBF |           |           | ೞ<br>0CEF  |           |

**Various signs**

|      |   |                                                                                                                                                                  |
|------|---|------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 0C80 | ಁ | KANNADA SIGN SPACING CANDRABINDU                                                                                                                                 |
| 0C81 | ಂ | KANNADA SIGN CANDRABINDU                                                                                                                                         |
| 0C82 | ಃ | KANNADA SIGN ANUSVARA                                                                                                                                            |
| 0C83 | ಄ | KANNADA SIGN VISARGA                                                                                                                                             |
| 0C84 | ಐ | KANNADA SIGN SIDDHAM<br>= siddhirastu<br>• used at the beginning of texts as an invocation<br>→ A8FC ಁ devanagari sign siddham<br>→ 111DB ಁ sharada sign siddham |

**Independent vowels**

|      |   |                          |
|------|---|--------------------------|
| 0C85 | ಅ | KANNADA LETTER A         |
| 0C86 | ಆ | KANNADA LETTER AA        |
| 0C87 | ಇ | KANNADA LETTER I         |
| 0C88 | ಈ | KANNADA LETTER II        |
| 0C89 | ಉ | KANNADA LETTER U         |
| 0C8A | ಊ | KANNADA LETTER UU        |
| 0C8B | ಋ | KANNADA LETTER VOCALIC R |
| 0C8C | ೠ | KANNADA LETTER VOCALIC L |
| 0C8D | ಌ | <reserved>               |
| 0C8E | ಎ | KANNADA LETTER E         |
| 0C8F | ಏ | KANNADA LETTER EE        |
| 0C90 | ಐ | KANNADA LETTER AI        |
| 0C91 | ಒ | <reserved>               |
| 0C92 | ಒ | KANNADA LETTER O         |
| 0C93 | ಓ | KANNADA LETTER OO        |
| 0C94 | ಔ | KANNADA LETTER AU        |

**Consonants**

|      |   |                     |
|------|---|---------------------|
| 0C95 | ಕ | KANNADA LETTER KA   |
| 0C96 | ಖ | KANNADA LETTER KHA  |
| 0C97 | ಗ | KANNADA LETTER GA   |
| 0C98 | ಘ | KANNADA LETTER GH   |
| 0C99 | ಙ | KANNADA LETTER NGA  |
| 0CA0 | ಚ | KANNADA LETTER CA   |
| 0CA1 | ಛ | KANNADA LETTER CHA  |
| 0CA2 | ಜ | KANNADA LETTER JA   |
| 0CA3 | ಝ | KANNADA LETTER JHA  |
| 0CA4 | ಞ | KANNADA LETTER NYA  |
| 0CA5 | ಟ | KANNADA LETTER TTA  |
| 0CA6 | ಠ | KANNADA LETTER TTHA |
| 0CA7 | ಡ | KANNADA LETTER DDA  |
| 0CA8 | ಢ | KANNADA LETTER DDHA |
| 0CA9 | ಣ | KANNADA LETTER NNA  |
| 0CAA | ತ | KANNADA LETTER TA   |
| 0CAB | ಥ | KANNADA LETTER THA  |
| 0CAC | ದ | KANNADA LETTER DA   |
| 0CAD | ಧ | KANNADA LETTER DHA  |
| 0CAE | ನ | KANNADA LETTER NA   |
| 0CAF | ಢ | <reserved>          |
| 0CB0 | ಪ | KANNADA LETTER PA   |
| 0CB1 | ಫ | KANNADA LETTER PHA  |
| 0CB2 | ಬ | KANNADA LETTER BA   |
| 0CB3 | ಭ | KANNADA LETTER BHA  |
| 0CB4 | ಮ | KANNADA LETTER MA   |
| 0CB5 | ಯ | KANNADA LETTER YA   |
| 0CB6 | ರ | KANNADA LETTER RA   |
| 0CB7 | ಱ | KANNADA LETTER RRA  |
| 0CB8 | ಲ | KANNADA LETTER LA   |
| 0CB9 | ಳ | KANNADA LETTER LLA  |
| 0CB0 | ಌ | <reserved>          |
| 0CB5 | ವ | KANNADA LETTER VA   |

|      |   |                    |
|------|---|--------------------|
| 0CB6 | ಶ | KANNADA LETTER SHA |
| 0CB7 | ಷ | KANNADA LETTER SSA |
| 0CB8 | ಸ | KANNADA LETTER SA  |
| 0CB9 | ಹ | KANNADA LETTER HA  |

**Various signs**

|      |   |                       |
|------|---|-----------------------|
| 0CBC | ಃ | KANNADA SIGN NUKTA    |
| 0CBD | ಃ | KANNADA SIGN AVAGRAHA |

**Dependent vowel signs**

|      |   |                                          |
|------|---|------------------------------------------|
| 0CBE | ಃ | KANNADA VOWEL SIGN AA                    |
| 0CBF | ಃ | KANNADA VOWEL SIGN I                     |
| 0CC0 | ಃ | KANNADA VOWEL SIGN II<br>≡ 0CBF ಃ 0CD5 ಃ |
| 0CC1 | ಃ | KANNADA VOWEL SIGN U                     |
| 0CC2 | ಃ | KANNADA VOWEL SIGN UU                    |
| 0CC3 | ಃ | KANNADA VOWEL SIGN VOCALIC R             |
| 0CC4 | ಃ | KANNADA VOWEL SIGN VOCALIC RR            |
| 0CC5 | ಃ | <reserved>                               |
| 0CC6 | ಃ | KANNADA VOWEL SIGN E                     |
| 0CC7 | ಃ | KANNADA VOWEL SIGN EE<br>≡ 0CC6 ಃ 0CD5 ಃ |
| 0CC8 | ಃ | KANNADA VOWEL SIGN AI<br>≡ 0CC6 ಃ 0CD6 ಃ |
| 0CC9 | ಃ | <reserved>                               |
| 0CCA | ಃ | KANNADA VOWEL SIGN O<br>≡ 0CC6 ಃ 0CC2 ಃ  |
| 0CCB | ಃ | KANNADA VOWEL SIGN OO<br>≡ 0CCA ಃ 0CD5 ಃ |
| 0CCC | ಃ | KANNADA VOWEL SIGN AU                    |

**Virama**

|      |   |                                                   |
|------|---|---------------------------------------------------|
| 0CCD | ಃ | KANNADA SIGN VIRAMA<br>• preferred name is halant |
|------|---|---------------------------------------------------|

**Various signs**

|      |   |                        |
|------|---|------------------------|
| 0CD5 | ಃ | KANNADA LENGTH MARK    |
| 0CD6 | ಃ | KANNADA AI LENGTH MARK |

**Additional consonants**

|      |   |                                                                                                          |
|------|---|----------------------------------------------------------------------------------------------------------|
| 0CDE | ಃ | KANNADA LETTER FA<br>✕ KANNADA LETTER LLLA<br>• obsolete historic letter<br>• name is a mistake for LLLA |
|------|---|----------------------------------------------------------------------------------------------------------|

**Additional vowels for Sanskrit**

|      |   |                           |
|------|---|---------------------------|
| 0CE0 | ಃ | KANNADA LETTER VOCALIC RR |
| 0CE1 | ಃ | KANNADA LETTER VOCALIC LL |

**Dependent vowels**

|      |   |                               |
|------|---|-------------------------------|
| 0CE2 | ಃ | KANNADA VOWEL SIGN VOCALIC L  |
| 0CE3 | ಃ | KANNADA VOWEL SIGN VOCALIC LL |

**Reserved**

For viram punctuation, use the generic Indic 0964 and 0965.

|      |   |                                                 |
|------|---|-------------------------------------------------|
| 0CE4 | ಃ | <reserved><br>→ 0964 I devanagari danda         |
| 0CE5 | ಃ | <reserved><br>→ 0965 II devanagari double danda |

**Digits**

|      |   |                     |
|------|---|---------------------|
| 0CE6 | ೦ | KANNADA DIGIT ZERO  |
| 0CE7 | ೧ | KANNADA DIGIT ONE   |
| 0CE8 | ೨ | KANNADA DIGIT TWO   |
| 0CE9 | ೩ | KANNADA DIGIT THREE |
| 0CEA | ೪ | KANNADA DIGIT FOUR  |

**OCEB****Kannada****OCF2**

|      |   |                     |
|------|---|---------------------|
| 0CEB | ೫ | KANNADA DIGIT FIVE  |
| 0CEC | ೬ | KANNADA DIGIT SIX   |
| 0CED | ೭ | KANNADA DIGIT SEVEN |
| 0CEE | ೮ | KANNADA DIGIT EIGHT |
| 0CEF | ೯ | KANNADA DIGIT NINE  |

**Signs used in Sanskrit**

|      |   |                                                             |
|------|---|-------------------------------------------------------------|
| 0CF1 | ॐ | KANNADA SIGN JIHVAMULIYA<br>→ 1CF5 ॐ vedic sign jihvamuliya |
| 0CF2 | ॐ | KANNADA SIGN UPADHMANIYA<br>→ 1CF6 ॐ vedic sign upadhmaniya |

|   | 180                                                                                         | 181                                                                                         | 182                                                                                         | 183                                                                                         | 184                                                                                         | 185                                                                                         | 186                                                                                         | 187                                                                                         | 188                                                                                          | 189                                                                                           | 18A                                                                                           |
|---|---------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|
| 0 | <br>1800   | <br>1810   | <br>1820   | <br>1830   | <br>1840   | <br>1850   | <br>1860   | <br>1870   | <br>1880   | <br>1890   | <br>18A0   |
| 1 | <br>1801   | <br>1811   | <br>1821   | <br>1831   | <br>1841   | <br>1851   | <br>1861   | <br>1871   | <br>1881   | <br>1891   | <br>18A1   |
| 2 | <br>1802   | <br>1812   | <br>1822   | <br>1832   | <br>1842   | <br>1852   | <br>1862   | <br>1872   | <br>1882   | <br>1892   | <br>18A2   |
| 3 | <br>1803   | <br>1813   | <br>1823   | <br>1833   | <br>1843   | <br>1853   | <br>1863   | <br>1873   | <br>1883   | <br>1893   | <br>18A3   |
| 4 | <br>1804   | <br>1814   | <br>1824   | <br>1834   | <br>1844   | <br>1854   | <br>1864   | <br>1874   | <br>1884   | <br>1894   | <br>18A4   |
| 5 | <br>1805   | <br>1815   | <br>1825   | <br>1835   | <br>1845   | <br>1855   | <br>1865   | <br>1875   | <br>1885   | <br>1895   | <br>18A5   |
| 6 | <br>1806 | <br>1816 | <br>1826 | <br>1836 | <br>1846 | <br>1856 | <br>1866 | <br>1876 | <br>1886 | <br>1896 | <br>18A6 |
| 7 | <br>1807 | <br>1817 | <br>1827 | <br>1837 | <br>1847 | <br>1857 | <br>1867 | <br>1877 | <br>1887 | <br>1897 | <br>18A7 |
| 8 | <br>1808 | <br>1818 | <br>1828 | <br>1838 | <br>1848 | <br>1858 | <br>1868 | <br>1878 | <br>1888 | <br>1898 | <br>18A8 |
| 9 | <br>1809 | <br>1819 | <br>1829 | <br>1839 | <br>1849 | <br>1859 | <br>1869 | <br>1879 | <br>1889 | <br>1899 | <br>18A9 |
| A | <br>180A | <br>181A | <br>182A | <br>183A | <br>184A | <br>185A | <br>186A | <br>187A | <br>188A | <br>189A | <br>18AA |
| B | <br>180B | <br>181B | <br>182B | <br>183B | <br>184B | <br>185B | <br>186B | <br>187B | <br>188B | <br>189B | <br>18AB |
| C | <br>180C | <br>181C | <br>182C | <br>183C | <br>184C | <br>185C | <br>186C | <br>187C | <br>188C | <br>189C | <br>18AC |
| D | <br>180D | <br>181D | <br>182D | <br>183D | <br>184D | <br>185D | <br>186D | <br>187D | <br>188D | <br>189D | <br>18AD |
| E | <br>180E | <br>181E | <br>182E | <br>183E | <br>184E | <br>185E | <br>186E | <br>187E | <br>188E | <br>189E | <br>18AE |
| F | <br>180F | <br>181F | <br>182F | <br>183F | <br>184F | <br>185F | <br>186F | <br>187F | <br>188F | <br>189F | <br>18AF |

**Punctuation**

Additional birgas are encoded in the Mongolian Supplement block at 11660-1167F.

- 1800 ᠐ MONGOLIAN BIRGA  
→ 0F04 ᠐ tibetan mark initial yig mgo mdun ma
- 1801 ⋯ MONGOLIAN ELLIPSIS
- 1802 , MONGOLIAN COMMA
- 1803 ⋈ MONGOLIAN FULL STOP
- 1804 : MONGOLIAN COLON
- 1805 ⋈ MONGOLIAN FOUR DOTS  
• marks the end of a chapter
- 1806 – MONGOLIAN TODO SOFT HYPHEN  
• not a format control character, but simply a hyphen for Todo  
• also used in the Hudum (modern Mongolian) writing system  
→ 00AD ᠰᠢᠬᠡ soft hyphen
- 1807 ᠰ MONGOLIAN SIBE SYLLABLE BOUNDARY MARKER
- 1808 › MONGOLIAN MANCHU COMMA
- 1809 ›› MONGOLIAN MANCHU FULL STOP
- 180A - MONGOLIAN NIRUGU

**Format controls**

- 180B ᠰᠢ MONGOLIAN FREE VARIATION SELECTOR ONE  
• abbreviated FVS1
- 180C ᠰᠢᠨ MONGOLIAN FREE VARIATION SELECTOR TWO  
• abbreviated FVS2
- 180D ᠰᠢᠨᠢ MONGOLIAN FREE VARIATION SELECTOR THREE  
• abbreviated FVS3
- 180E ᠰᠢᠨᠢᠨ MONGOLIAN VOWEL SEPARATOR  
• abbreviated MVS

**Digits**

- 1810 ᠐ MONGOLIAN DIGIT ZERO
- 1811 ᠑ MONGOLIAN DIGIT ONE
- 1812 ᠒ MONGOLIAN DIGIT TWO
- 1813 ᠓ MONGOLIAN DIGIT THREE
- 1814 ᠐ MONGOLIAN DIGIT FOUR
- 1815 ᠕ MONGOLIAN DIGIT FIVE
- 1816 ᠖ MONGOLIAN DIGIT SIX
- 1817 ᠗ MONGOLIAN DIGIT SEVEN
- 1818 ᠘ MONGOLIAN DIGIT EIGHT
- 1819 ᠑ MONGOLIAN DIGIT NINE

**Basic letters**

Cross-references show commonly used Cyrillic transliterations.

Letters unspecified for distinct positional forms are shown without them. Letters with unspecified positional forms use a squared question mark to indicate the gap. All vowels are expected to have explicit isolate forms. For consonants the isolate first form is the initial first form unless specified otherwise.

- 1820 ᠠ MONGOLIAN LETTER A  
→ 0430 а cyrillic small letter a  
~ 1820 ᠠ first form (isolate)  
~ 1820 ᠡ first form (initial)  
~ 1820 ᠢ first form (medial)  
~ 1820 ᠪ first form (final)  
~ 1820 180B ᠢ second form (isolate)  
~ 1820 180B ᠣ second form (medial)  
~ 1820 180B ᠤ second form (final)  
~ 1820 180C ᠤ third form (medial)
- 1821 ᠡ MONGOLIAN LETTER E  
→ 044D э cyrillic small letter e  
~ 1821 ᠡ first form (isolate)  
~ 1821 ᠢ first form (initial)  
~ 1821 ᠣ first form (medial)  
~ 1821 ᠤ first form (final)  
~ 1821 180B ᠣ second form (initial)  
~ 1821 180B ᠤ second form (final)
- 1822 ᠢ MONGOLIAN LETTER I  
→ 0438 и cyrillic small letter i  
~ 1822 ᠢ first form (isolate)  
~ 1822 ᠣ first form (initial)  
~ 1822 ᠣ first form (medial)  
~ 1822 ᠤ first form (final)  
~ 1822 180B ᠣ second form (medial)
- 1823 ᠣ MONGOLIAN LETTER O  
→ 043E о cyrillic small letter o  
~ 1823 ᠣ first form (isolate)  
~ 1823 ᠣ first form (initial)  
~ 1823 ᠣ first form (medial)  
~ 1823 ᠣ first form (final)  
~ 1823 180B ᠣ second form (medial)  
~ 1823 180B ᠣ second form (final)
- 1824 ᠤ MONGOLIAN LETTER U  
→ 0443 у cyrillic small letter u  
~ 1824 ᠤ first form (isolate)  
~ 1824 ᠣ first form (initial)  
~ 1824 ᠣ first form (medial)  
~ 1824 ᠣ first form (final)  
~ 1824 180B ᠣ second form (medial)
- 1825 ᠤ MONGOLIAN LETTER OE  
→ 04E9 ө cyrillic small letter barred o  
~ 1825 ᠤ first form (isolate)  
~ 1825 ᠣ first form (initial)  
~ 1825 ᠣ first form (medial)  
~ 1825 ᠣ first form (final)  
~ 1825 180B ᠣ second form (medial)  
~ 1825 180B ᠣ second form (final)  
~ 1825 180C ᠣ third form (medial)

- 1826 **ᠤᠡ** **MONGOLIAN LETTER UE**  
 → 04AF **у** cyrillic small letter straight u  
 ~ 1826 **ᠤ** first form (isolate)  
 ~ 1826 **ᠡ** first form (initial)  
 ~ 1826 **ᠢ** first form (medial)  
 ~ 1826 **ᠣ** first form (final)  
 ~ 1826 **ᠤᠨ** second form (isolate)  
 ~ 1826 **ᠤᠨ** second form (medial)  
 ~ 1826 **ᠤᠨ** second form (final)  
 ~ 1826 **ᠤᠨ** third form (medial)
- 1827 **ᠡᠡ** **MONGOLIAN LETTER EE**  
 ~ 1827 **ᠡ** first form (isolate)  
 ~ 1827 **ᠡ** first form (initial)  
 ~ 1827 **ᠢ** first form (medial)  
 ~ 1827 **ᠣ** first form (final)
- 1828 **ᠨᠠ** **MONGOLIAN LETTER NA**  
 → 043D **н** cyrillic small letter en  
 ~ 1828 **ᠨ** first form (initial)  
 ~ 1828 **ᠨ** first form (medial)  
 ~ 1828 **ᠨ** first form (final)  
 ~ 1828 **ᠨᠤ** second form (initial)  
 ~ 1828 **ᠨᠤ** second form (medial)  
 ~ 1828 **ᠨᠤ** third form (medial)  
 ~ 1828 **ᠨᠤ** fourth form (medial)
- 1829 **ᠨᠠᠭ** **MONGOLIAN LETTER ANG**  
 ~ 1829 **ᠨᠠ** first form (initial)  
 ~ 1829 **ᠨᠠ** first form (medial)  
 ~ 1829 **ᠨᠠ** first form (final)
- 182A **ᠨᠠᠪ** **MONGOLIAN LETTER BA**  
 → 0431 **б** cyrillic small letter be  
 ~ 182A **ᠨᠠ** first form (initial)  
 ~ 182A **ᠨᠠ** first form (medial)  
 ~ 182A **ᠨᠠ** first form (final)  
 ~ 182A **ᠨᠠᠨ** second form (final)
- 182B **ᠨᠠᠫ** **MONGOLIAN LETTER PA**  
 → 043F **п** cyrillic small letter pe  
 ~ 182B **ᠨᠠ** first form (initial)  
 ~ 182B **ᠨᠠ** first form (medial)  
 ~ 182B **ᠨᠠ** first form (final)
- 182C **ᠨᠠᠬᠠ** **MONGOLIAN LETTER QA**  
 → 0445 **х** cyrillic small letter ha  
 ~ 182C **ᠨᠠ** first form (isolate)  
 ~ 182C **ᠨᠠ** first form (initial)  
 ~ 182C **ᠨᠠ** first form (medial)  
 ~ 182C **ᠨᠠ** first form (final)  
 ~ 182C **ᠨᠠᠨ** second form (isolate)  
 ~ 182C **ᠨᠠᠨ** second form (initial)  
 ~ 182C **ᠨᠠᠨ** second form (medial)  
 ~ 182C **ᠨᠠᠨ** third form (medial)  
 ~ 182C **ᠨᠠᠨ** fourth form (medial)
- 182D **ᠨᠠᠭᠠ** **MONGOLIAN LETTER GA**  
 → 0433 **г** cyrillic small letter ghe  
 ~ 182D **ᠨᠠ** first form (isolate)  
 ~ 182D **ᠨᠠ** first form (initial)  
 ~ 182D **ᠨᠠ** first form (medial)  
 ~ 182D **ᠨᠠ** first form (final)  
 ~ 182D **ᠨᠠᠨ** second form (initial)  
 ~ 182D **ᠨᠠᠨ** second form (medial)  
 ~ 182D **ᠨᠠᠨ** second form (final)  
 ~ 182D **ᠨᠠᠨ** third form (medial)  
 ~ 182D **ᠨᠠᠨ** fourth form (medial)

- 182E **ᠮᠠ** **MONGOLIAN LETTER MA**  
 → 043C **м** cyrillic small letter em  
 ~ 182E **ᠮ** first form (initial)  
 ~ 182E **ᠮ** first form (medial)  
 ~ 182E **ᠮ** first form (final)
- 182F **ᠯᠠ** **MONGOLIAN LETTER LA**  
 → 043B **л** cyrillic small letter el  
 ~ 182F **ᠯ** first form (initial)  
 ~ 182F **ᠯ** first form (medial)  
 ~ 182F **ᠯ** first form (final)
- 1830 **ᠰᠠ** **MONGOLIAN LETTER SA**  
 → 0441 **с** cyrillic small letter es  
 ~ 1830 **ᠰ** first form (initial)  
 ~ 1830 **ᠰ** first form (medial)  
 ~ 1830 **ᠰ** first form (final)  
 ~ 1830 **ᠰᠤ** second form (final)  
 ~ 1830 **ᠰᠤ** third form (final)
- 1831 **ᠰᠠᠬᠠ** **MONGOLIAN LETTER SHA**  
 → 0448 **ш** cyrillic small letter sha  
 ~ 1831 **ᠰᠠ** first form (initial)  
 ~ 1831 **ᠰᠠ** first form (medial)  
 ~ 1831 **ᠰᠠ** first form (final)
- 1832 **ᠲᠠ** **MONGOLIAN LETTER TA**  
 → 0442 **т** cyrillic small letter te  
 ~ 1832 **ᠲ** first form (initial)  
 ~ 1832 **ᠲ** first form (medial)  
 ~ 1832 **ᠲ** first form (final)  
 ~ 1832 **ᠲᠤ** second form (medial)
- 1833 **ᠳᠠ** **MONGOLIAN LETTER DA**  
 → 0434 **д** cyrillic small letter de  
 ~ 1833 **ᠳ** first form (initial)  
 ~ 1833 **ᠳ** first form (medial)  
 ~ 1833 **ᠳ** first form (final)  
 ~ 1833 **ᠳᠤ** second form (initial)  
 ~ 1833 **ᠳᠤ** second form (medial)  
 ~ 1833 **ᠳᠤ** second form (final)
- 1834 **ᠴᠠ** **MONGOLIAN LETTER CHA**  
 → 0447 **ч** cyrillic small letter che  
 ~ 1834 **ᠴ** first form (initial)  
 ~ 1834 **ᠴ** first form (medial)  
 ~ 1834 **ᠴ** first form (final)
- 1835 **ᠵᠠ** **MONGOLIAN LETTER JA**  
 → 0436 **ж** cyrillic small letter zhe  
 ~ 1835 **ᠵ** first form (initial)  
 ~ 1835 **ᠵ** first form (medial)  
 ~ 1835 **ᠵ** first form (final)  
 ~ 1835 **ᠵᠤ** second form (medial)
- 1836 **ᠶᠠ** **MONGOLIAN LETTER YA**  
 → 0439 **й** cyrillic small letter short i  
 ~ 1836 **ᠶ** first form (initial)  
 ~ 1836 **ᠶ** first form (medial)  
 ~ 1836 **ᠶ** first form (final)  
 ~ 1836 **ᠶᠤ** second form (initial)  
 ~ 1836 **ᠶᠤ** second form (medial)  
 ~ 1836 **ᠶᠤ** third form (medial)
- 1837 **ᠷᠠ** **MONGOLIAN LETTER RA**  
 → 0440 **р** cyrillic small letter er  
 ~ 1837 **ᠷ** first form (initial)  
 ~ 1837 **ᠷ** first form (medial)  
 ~ 1837 **ᠷ** first form (final)

1838

Mongolian

184F

- 1838 **ᠠ** MONGOLIAN LETTER WA  
 → 0432 **В** cyrillic small letter ve  
 ~ 1838 **ᠠ** first form (initial)  
 ~ 1838 **ᠡ** first form (medial)  
 ~ 1838 **ᠢ** first form (final)  
 ~ 1838 180B **ᠣ** second form (final)
- 1839 **ᠡ** MONGOLIAN LETTER FA  
 → 0444 **Ф** cyrillic small letter ef  
 ~ 1839 **ᠡ** first form (initial)  
 ~ 1839 **ᠢ** first form (medial)  
 ~ 1839 **ᠣ** first form (final)
- 183A **ᠢ** MONGOLIAN LETTER KA  
 → 0445 **Х** cyrillic small letter ha  
 ~ 183A **ᠢ** first form (initial)  
 ~ 183A **ᠣ** first form (medial)  
 ~ 183A **ᠣ** first form (final)
- 183B **ᠣ** MONGOLIAN LETTER KHA  
 → 043A **К** cyrillic small letter ka  
 ~ 183B **ᠣ** first form (initial)  
 ~ 183B **ᠣ** first form (medial)  
 ~ 183B **ᠣ** first form (final)
- 183C **ᠣ** MONGOLIAN LETTER TSA  
 → 0446 **Ц** cyrillic small letter tse  
 ~ 183C **ᠣ** first form (initial)  
 ~ 183C **ᠣ** first form (medial)  
 ~ 183C **ᠣ** first form (final)
- 183D **ᠣ** MONGOLIAN LETTER ZA  
 → 0437 **З** cyrillic small letter ze  
 ~ 183D **ᠣ** first form (initial)  
 ~ 183D **ᠣ** first form (medial)  
 ~ 183D **ᠣ** first form (final)
- 183E **ᠣ** MONGOLIAN LETTER HAA  
 → 0445 **Х** cyrillic small letter ha  
 ~ 183E **ᠣ** first form (initial)  
 ~ 183E **ᠣ** first form (medial)  
 ~ 183E **ᠣ** first form (final)
- 183F **ᠣ** MONGOLIAN LETTER ZRA  
 → 0436 **Ж** cyrillic small letter zhe  
 ~ 183F **ᠣ** first form (initial)  
 ~ 183F **ᠣ** first form (medial)  
 ~ 183F **ᠣ** first form (final)
- 1840 **ᠣ** MONGOLIAN LETTER LHA  
 ~ 1840 **ᠣ** first form (initial)  
 ~ 1840 **ᠣ** first form (medial)  
 ~ 1840 **ᠣ** first form (final)
- 1841 **ᠣ** MONGOLIAN LETTER ZHI
- 1842 **ᠣ** MONGOLIAN LETTER CHI
- Todo letters**
- 1843 **ᠣ** MONGOLIAN LETTER TODO LONG VOWEL SIGN  
 ~ 1843 **ᠣ** first form (initial)  
 ~ 1843 **ᠣ** first form (medial)  
 ~ 1843 **ᠣ** first form (final)
- 1844 **ᠣ** MONGOLIAN LETTER TODO E  
 ~ 1844 **ᠣ** first form (isolate)  
 ~ 1844 **ᠣ** first form (initial)  
 ~ 1844 **ᠣ** first form (medial)  
 ~ 1844 **ᠣ** first form (final)  
 ~ 1844 180B **ᠣ** second form (medial)

- 1845 **ᠣ** MONGOLIAN LETTER TODO I  
 ~ 1845 **ᠣ** first form (isolate)  
 ~ 1845 **ᠣ** first form (initial)  
 ~ 1845 **ᠣ** first form (medial)  
 ~ 1845 **ᠣ** first form (final)  
 ~ 1845 180B **ᠣ** second form (medial)
- 1846 **ᠣ** MONGOLIAN LETTER TODO O  
 ~ 1846 **ᠣ** first form (isolate)  
 ~ 1846 **ᠣ** first form (initial)  
 ~ 1846 **ᠣ** first form (medial)  
 ~ 1846 **ᠣ** first form (final)  
 ~ 1846 180B **ᠣ** second form (medial)
- 1847 **ᠣ** MONGOLIAN LETTER TODO U  
 ~ 1847 **ᠣ** first form (isolate)  
 ~ 1847 **ᠣ** first form (initial)  
 ~ 1847 **ᠣ** first form (medial)  
 ~ 1847 **ᠣ** first form (final)  
 ~ 1847 180B **ᠣ** second form (isolate)  
 ~ 1847 180B **ᠣ** second form (medial)  
 ~ 1847 180B **ᠣ** second form (final)  
 ~ 1847 180C **ᠣ** third form (medial)
- 1848 **ᠣ** MONGOLIAN LETTER TODO OE  
 ~ 1848 **ᠣ** first form (isolate)  
 ~ 1848 **ᠣ** first form (initial)  
 ~ 1848 **ᠣ** first form (medial)  
 ~ 1848 **ᠣ** first form (final)  
 ~ 1848 180B **ᠣ** second form (medial)
- 1849 **ᠣ** MONGOLIAN LETTER TODO UE  
 ~ 1849 **ᠣ** first form (isolate)  
 ~ 1849 **ᠣ** first form (initial)  
 ~ 1849 **ᠣ** first form (medial)  
 ~ 1849 **ᠣ** first form (final)  
 ~ 1849 180B **ᠣ** second form (isolate)  
 ~ 1849 180B **ᠣ** second form (medial)
- 184A **ᠣ** MONGOLIAN LETTER TODO ANG  
 ~ 184A **ᠣ** first form (initial)  
 ~ 184A **ᠣ** first form (medial)  
 ~ 184A **ᠣ** first form (final)
- 184B **ᠣ** MONGOLIAN LETTER TODO BA  
 ~ 184B **ᠣ** first form (initial)  
 ~ 184B **ᠣ** first form (medial)  
 ~ 184B **ᠣ** first form (final)
- 184C **ᠣ** MONGOLIAN LETTER TODO PA  
 ~ 184C **ᠣ** first form (initial)  
 ~ 184C **ᠣ** first form (medial)  
 ~ 184C **ᠣ** first form (final)
- 184D **ᠣ** MONGOLIAN LETTER TODO QA  
 ~ 184D **ᠣ** first form (initial)  
 ~ 184D **ᠣ** first form (medial)  
 ~ 184D **ᠣ** first form (final)  
 ~ 184D 180B **ᠣ** second form (initial)  
 ~ 184D 180B **ᠣ** second form (medial)
- 184E **ᠣ** MONGOLIAN LETTER TODO GA  
 ~ 184E **ᠣ** first form (isolate)  
 ~ 184E **ᠣ** first form (initial)  
 ~ 184E **ᠣ** first form (medial)  
 ~ 184E **ᠣ** first form (final)  
 ~ 184E 180B **ᠣ** second form (medial)
- 184F **ᠣ** MONGOLIAN LETTER TODO MA  
 ~ 184F **ᠣ** first form (initial)  
 ~ 184F **ᠣ** first form (medial)  
 ~ 184F **ᠣ** first form (final)

## 1850

## Mongolian

## 186A

|                     |   |                                                                                                                                                                                                                                                                                                              |
|---------------------|---|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1850                | ᠲ | MONGOLIAN LETTER TODO TA<br>~ 1850 ᠲ first form (initial)<br>~ 1850 ᠳ first form (medial)<br>~ 1850 ᠣ first form (final)                                                                                                                                                                                     |
| 1851                | ᠳ | MONGOLIAN LETTER TODO DA<br>~ 1851 ᠳ first form (initial)<br>~ 1851 ᠴ first form (medial)<br>~ 1851 ᠰ first form (final)                                                                                                                                                                                     |
| 1852                | ᠱ | MONGOLIAN LETTER TODO CHA<br>~ 1852 ᠱ first form (initial)<br>~ 1852 ᠵ first form (medial)<br>~ 1852 ᠶ first form (final)                                                                                                                                                                                    |
| 1853                | ᠵ | MONGOLIAN LETTER TODO JA<br>~ 1853 ᠵ first form (initial)<br>~ 1853 ᠺ first form (medial)<br>~ 1853 ᠻ first form (final)                                                                                                                                                                                     |
| 1854                | ᠷ | MONGOLIAN LETTER TODO TSA<br>~ 1854 ᠷ first form (initial)<br>~ 1854 ᠸ first form (medial)<br>~ 1854 ᠷᠡ first form (final)                                                                                                                                                                                   |
| 1855                | ᠶ | MONGOLIAN LETTER TODO YA<br>~ 1855 ᠶ first form (initial)<br>~ 1855 ᠺ first form (medial)<br>~ 1855 ᠻ first form (final)                                                                                                                                                                                     |
| 1856                | ᠠ | MONGOLIAN LETTER TODO WA<br>~ 1856 ᠠ first form (initial)<br>~ 1856 ᠡ first form (medial)<br>~ 1856 ᠢ first form (final)                                                                                                                                                                                     |
| 1857                | ᠨ | MONGOLIAN LETTER TODO KA<br>~ 1857 ᠨ first form (initial)<br>~ 1857 ᠬ first form (medial)<br>~ 1857 ᠭ first form (final)                                                                                                                                                                                     |
| 1858                | ᠭ | MONGOLIAN LETTER TODO GAA                                                                                                                                                                                                                                                                                    |
| 1859                | ᠬ | MONGOLIAN LETTER TODO HAA<br>~ 1859 ᠬ first form (initial)<br>~ 1859 ᠭ first form (medial)<br>~ 1859 ᠨ first form (final)                                                                                                                                                                                    |
| 185A                | ᠯ | MONGOLIAN LETTER TODO JIA                                                                                                                                                                                                                                                                                    |
| 185B                | ᠭ | MONGOLIAN LETTER TODO NIA                                                                                                                                                                                                                                                                                    |
| 185C                | ᠰ | MONGOLIAN LETTER TODO DZA<br>~ 185C ᠰ first form (initial)<br>~ 185C ᠶ first form (medial)<br>~ 185C ᠷ first form (final)                                                                                                                                                                                    |
| <b>Sibe letters</b> |   |                                                                                                                                                                                                                                                                                                              |
| 185D                | ᠶ | MONGOLIAN LETTER SIBE E<br>~ 185D ᠶ first form (isolate)<br>~ 185D ᠶ first form (initial)<br>~ 185D ᠶ first form (medial)<br>~ 185D ᠶ first form (final)<br>~ 185D 180B ᠶ second form (medial)<br>~ 185D 180B ᠶ second form (final)                                                                          |
| 185E                | ᠶ | MONGOLIAN LETTER SIBE I<br>~ 185E ᠶ first form (isolate)<br>~ 185E ᠶ first form (initial)<br>~ 185E ᠶ first form (medial)<br>~ 185E ᠶ first form (final)<br>~ 185E 180B ᠶ second form (medial)<br>~ 185E 180B ᠶ second form (final)<br>~ 185E 180C ᠶ third form (medial)<br>~ 185E 180C ᠶ third form (final) |

|      |   |                                                                                                                                                                                                                                            |
|------|---|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 185F | ᠶ | MONGOLIAN LETTER SIBE IY<br>~ 185F ᠶ first form (initial)<br>~ 185F ᠶ first form (medial)<br>~ 185F ᠶ first form (final)                                                                                                                   |
| 1860 | ᠶ | MONGOLIAN LETTER SIBE UE<br>~ 1860 ᠶ first form (isolate)<br>~ 1860 ᠶ first form (initial)<br>~ 1860 ᠶ first form (medial)<br>~ 1860 ᠶ first form (final)<br>~ 1860 180B ᠶ second form (medial)<br>~ 1860 180B ᠶ second form (final)       |
| 1861 | ᠶ | MONGOLIAN LETTER SIBE U<br>~ 1861 ᠶ first form (isolate)<br>~ 1861 ᠶ first form (initial)<br>~ 1861 ᠶ first form (medial)<br>~ 1861 ᠶ first form (final)                                                                                   |
| 1862 | ᠶ | MONGOLIAN LETTER SIBE ANG<br>~ 1862 ᠶ first form (initial)<br>~ 1862 ᠶ first form (medial)<br>~ 1862 ᠶ first form (final)                                                                                                                  |
| 1863 | ᠶ | MONGOLIAN LETTER SIBE KA<br>~ 1863 ᠶ first form (isolate)<br>~ 1863 ᠶ first form (initial)<br>~ 1863 ᠶ first form (medial)<br>~ 1863 ᠶ first form (final)<br>~ 1863 180B ᠶ second form (medial)                                            |
| 1864 | ᠶ | MONGOLIAN LETTER SIBE GA<br>~ 1864 ᠶ first form (isolate)<br>~ 1864 ᠶ first form (initial)<br>~ 1864 ᠶ first form (medial)<br>~ 1864 ᠶ first form (final)                                                                                  |
| 1865 | ᠶ | MONGOLIAN LETTER SIBE HA<br>~ 1865 ᠶ first form (isolate)<br>~ 1865 ᠶ first form (initial)<br>~ 1865 ᠶ first form (medial)<br>~ 1865 ᠶ first form (final)                                                                                  |
| 1866 | ᠶ | MONGOLIAN LETTER SIBE PA<br>~ 1866 ᠶ first form (initial)<br>~ 1866 ᠶ first form (medial)<br>~ 1866 ᠶ first form (final)                                                                                                                   |
| 1867 | ᠶ | MONGOLIAN LETTER SIBE SHA<br>~ 1867 ᠶ first form (initial)<br>~ 1867 ᠶ first form (medial)<br>~ 1867 ᠶ first form (final)                                                                                                                  |
| 1868 | ᠶ | MONGOLIAN LETTER SIBE TA<br>~ 1868 ᠶ first form (initial)<br>~ 1868 ᠶ first form (medial)<br>~ 1868 ᠶ first form (final)<br>~ 1868 180B ᠶ second form (initial)<br>~ 1868 180B ᠶ second form (medial)<br>~ 1868 180C ᠶ third form (medial) |
| 1869 | ᠶ | MONGOLIAN LETTER SIBE DA<br>~ 1869 ᠶ first form (initial)<br>~ 1869 ᠶ first form (medial)<br>~ 1869 ᠶ first form (final)<br>~ 1869 180B ᠶ second form (initial)<br>~ 1869 180B ᠶ second form (medial)                                      |
| 186A | ᠶ | MONGOLIAN LETTER SIBE JA<br>~ 186A ᠶ first form (initial)<br>~ 186A ᠶ first form (medial)<br>~ 186A ᠶ first form (final)                                                                                                                   |

- 186B  MONGOLIAN LETTER SIBE FA  
 ~ 186B  first form (initial)  
 ~ 186B  first form (medial)  
 ~ 186B  first form (final)
- 186C  MONGOLIAN LETTER SIBE GAA  
 186D  MONGOLIAN LETTER SIBE HAA  
 186E  MONGOLIAN LETTER SIBE TSA  
 ~ 186E  first form (initial)  
 ~ 186E  first form (medial)  
 ~ 186E  first form (final)
- 186F  MONGOLIAN LETTER SIBE ZA  
 ~ 186F  first form (initial)  
 ~ 186F  first form (medial)  
 ~ 186F  first form (final)  
 ~ 186F 180B  second form (initial)  
 ~ 186F 180B  second form (medial)
- 1870  MONGOLIAN LETTER SIBE RAA  
 1871  MONGOLIAN LETTER SIBE CHA  
 ~ 1871  first form (initial)  
 ~ 1871  first form (medial)  
 ~ 1871  first form (final)
- 1872  MONGOLIAN LETTER SIBE ZHA  
 ~ 1872  first form (initial)  
 ~ 1872  first form (medial)  
 ~ 1872  first form (final)

**Manchu letters**

- 1873  MONGOLIAN LETTER MANCHU I  
 ~ 1873  first form (isolate)  
 ~ 1873  first form (initial)  
 ~ 1873  first form (medial)  
 ~ 1873  first form (final)  
 ~ 1873 180B  second form (medial)  
 ~ 1873 180B  second form (final)  
 ~ 1873 180C  third form (medial)  
 ~ 1873 180C  third form (final)  
 ~ 1873 180D  fourth form (medial)
- 1874  MONGOLIAN LETTER MANCHU KA  
 ~ 1874  first form (isolate)  
 ~ 1874  first form (initial)  
 ~ 1874  first form (medial)  
 ~ 1874  first form (final)  
 ~ 1874 180B  second form (medial)  
 ~ 1874 180B  second form (final)  
 ~ 1874 180C  third form (medial)  
 ~ 1874 180C  third form (final)  
 ~ 1874 180D  fourth form (medial)
- 1875  MONGOLIAN LETTER MANCHU RA  
 ~ 1875  first form (initial)  
 ~ 1875  first form (medial)  
 ~ 1875  first form (final)
- 1876  MONGOLIAN LETTER MANCHU FA  
 ~ 1876  first form (initial)  
 ~ 1876  first form (medial)  
 ~ 1876  first form (final)  
 ~ 1876 180B  second form (initial)  
 ~ 1876 180B  second form (medial)
- 1877  MONGOLIAN LETTER MANCHU ZHA  
 ~ 1877  first form (initial)  
 ~ 1877  first form (medial)  
 ~ 1877  first form (final)

**Buryat letter**

- 1878  MONGOLIAN LETTER CHA WITH TWO DOTS  
 ~ 1878  first form (initial)  
 ~ 1878  first form (medial)  
 ~ 1878  first form (final)

**Extensions for Sanskrit and Tibetan**

- 1880  MONGOLIAN LETTER ALI GALI ANUSVARA ONE  
 → 0F83  tibetan sign sna ldan  
 ~ 1880 180B  second form
- 1881  MONGOLIAN LETTER ALI GALI VISARGA ONE  
 → 0F7F  tibetan sign rnam bcad  
 ~ 1881 180B  second form
- 1882  MONGOLIAN LETTER ALI GALI DAMARU  
 → 0F88  tibetan sign lce tsa can
- 1883  MONGOLIAN LETTER ALI GALI UBADAMA  
 1884  MONGOLIAN LETTER ALI GALI INVERTED UBADAMA  
 → 0F89  tibetan sign mchu can
- 1885  MONGOLIAN LETTER ALI GALI BALUDA  
 → 0F85  tibetan mark paluta
- 1886  MONGOLIAN LETTER ALI GALI THREE BALUDA  
 1887  MONGOLIAN LETTER ALI GALI A  
 ~ 1887  first form (isolate)  
 ~ 1887  first form (initial)  
 ~ 1887  first form (medial)  
 ~ 1887  first form (final)  
 ~ 1887 180B  second form (isolate)  
 ~ 1887 180B  second form (final)  
 ~ 1887 180C  third form (final)  
 ~ 1887 180D  fourth form (final)
- 1888  MONGOLIAN LETTER ALI GALI I  
 ~ 1888  first form (isolate)  
 ~ 1888  first form (initial)  
 ~ 1888  first form (medial)  
 ~ 1888  first form (final)  
 ~ 1888 180B  second form (final)
- 1889  MONGOLIAN LETTER ALI GALI KA  
 ~ 1889  first form (isolate)  
 ~ 1889  first form (initial)  
 ~ 1889  first form (medial)  
 ~ 1889  first form (final)
- 188A  MONGOLIAN LETTER ALI GALI NGa  
 ~ 188A  first form (initial)  
 ~ 188A  first form (medial)  
 ~ 188A  first form (final)  
 ~ 188A 180B  second form (initial)  
 ~ 188A 180B  second form (medial)
- 188B  MONGOLIAN LETTER ALI GALI CA  
 ~ 188B  first form (initial)  
 ~ 188B  first form (medial)  
 ~ 188B  first form (final)
- 188C  MONGOLIAN LETTER ALI GALI TTA  
 188D  MONGOLIAN LETTER ALI GALI TTHA  
 188E  MONGOLIAN LETTER ALI GALI DDA  
 188F  MONGOLIAN LETTER ALI GALI NNA  
 1890  MONGOLIAN LETTER ALI GALI TA  
 1891  MONGOLIAN LETTER ALI GALI DA  
 1892  MONGOLIAN LETTER ALI GALI PA  
 1893  MONGOLIAN LETTER ALI GALI PHA

|      |   |                                                                                                                                       |      |   |                                                                                                                                      |
|------|---|---------------------------------------------------------------------------------------------------------------------------------------|------|---|--------------------------------------------------------------------------------------------------------------------------------------|
| 1894 | ᠰ | MONGOLIAN LETTER ALI GALI SSA<br>~ 1894 ᠰ first form (initial)<br>~ 1894 ᠰ first form (medial)<br>~ 1894 ᠰ first form (final)         | 18AA | ᠰ | MONGOLIAN LETTER MANCHU ALI GALI LHA<br>~ 18AA ᠰ first form (initial)<br>~ 18AA ᠰ first form (medial)<br>~ 18AA ᠰ first form (final) |
| 1895 | ᠱ | MONGOLIAN LETTER ALI GALI ZHA                                                                                                         |      |   |                                                                                                                                      |
| 1896 | ᠰ | MONGOLIAN LETTER ALI GALI ZA<br>~ 1896 ᠰ first form (initial)<br>~ 1896 ᠰ first form (medial)<br>~ 1896 ᠰ first form (final)          |      |   |                                                                                                                                      |
| 1897 | ᠠ | MONGOLIAN LETTER ALI GALI AH                                                                                                          |      |   |                                                                                                                                      |
| 1898 | ᠲ | MONGOLIAN LETTER TODO ALI GALI TA                                                                                                     |      |   |                                                                                                                                      |
| 1899 | ᠱ | MONGOLIAN LETTER TODO ALI GALI ZHA                                                                                                    |      |   |                                                                                                                                      |
| 189A | ᠭ | MONGOLIAN LETTER MANCHU ALI GALI GHA<br>~ 189A ᠭ first form (initial)<br>~ 189A ᠭ first form (medial)<br>~ 189A ᠭ first form (final)  |      |   |                                                                                                                                      |
| 189B | ᠨ | MONGOLIAN LETTER MANCHU ALI GALI NGA<br>~ 189B ᠨ first form (initial)<br>~ 189B ᠨ first form (medial)<br>~ 189B ᠨ first form (final)  |      |   |                                                                                                                                      |
| 189C | ᠴ | MONGOLIAN LETTER MANCHU ALI GALI CA<br>~ 189C ᠴ first form (initial)<br>~ 189C ᠴ first form (medial)<br>~ 189C ᠴ first form (final)   |      |   |                                                                                                                                      |
| 189D | ᠵ | MONGOLIAN LETTER MANCHU ALI GALI JHA<br>~ 189D ᠵ first form (initial)<br>~ 189D ᠵ first form (medial)<br>~ 189D ᠵ first form (final)  |      |   |                                                                                                                                      |
| 189E | ᠲ | MONGOLIAN LETTER MANCHU ALI GALI TTA<br>~ 189E ᠲ first form (initial)<br>~ 189E ᠲ first form (medial)<br>~ 189E ᠲ first form (final)  |      |   |                                                                                                                                      |
| 189F | ᠳ | MONGOLIAN LETTER MANCHU ALI GALI DDHA<br>~ 189F ᠳ first form (initial)<br>~ 189F ᠳ first form (medial)<br>~ 189F ᠳ first form (final) |      |   |                                                                                                                                      |
| 18A0 | ᠲ | MONGOLIAN LETTER MANCHU ALI GALI TA                                                                                                   |      |   |                                                                                                                                      |
| 18A1 | ᠳ | MONGOLIAN LETTER MANCHU ALI GALI DHA<br>~ 18A1 ᠳ first form (initial)<br>~ 18A1 ᠳ first form (medial)<br>~ 18A1 ᠳ first form (final)  |      |   |                                                                                                                                      |
| 18A2 | ᠰ | MONGOLIAN LETTER MANCHU ALI GALI SSA<br>~ 18A2 ᠰ first form (initial)<br>~ 18A2 ᠰ first form (medial)<br>~ 18A2 ᠰ first form (final)  |      |   |                                                                                                                                      |
| 18A3 | ᠱ | MONGOLIAN LETTER MANCHU ALI GALI CYA<br>~ 18A3 ᠱ first form (initial)<br>~ 18A3 ᠱ first form (medial)<br>~ 18A3 ᠱ first form (final)  |      |   |                                                                                                                                      |
| 18A4 | ᠱ | MONGOLIAN LETTER MANCHU ALI GALI ZHA<br>~ 18A4 ᠱ first form (initial)<br>~ 18A4 ᠱ first form (medial)<br>~ 18A4 ᠱ first form (final)  |      |   |                                                                                                                                      |
| 18A5 | ᠱ | MONGOLIAN LETTER MANCHU ALI GALI ZA<br>~ 18A5 ᠱ first form (initial)<br>~ 18A5 ᠱ first form (medial)<br>~ 18A5 ᠱ first form (final)   |      |   |                                                                                                                                      |
| 18A6 | ᠠ | MONGOLIAN LETTER ALI GALI HALF U                                                                                                      |      |   |                                                                                                                                      |
| 18A7 | ᠠ | MONGOLIAN LETTER ALI GALI HALF YA                                                                                                     |      |   |                                                                                                                                      |
| 18A8 | ᠭ | MONGOLIAN LETTER MANCHU ALI GALI BHA                                                                                                  |      |   |                                                                                                                                      |
| 18A9 | ᠠ | MONGOLIAN LETTER ALI GALI DAGALGA                                                                                                     |      |   |                                                                                                                                      |

**Positional Forms and Standardized Variation Sequences**

Unlike other blocks, these variation sequences use the script-specific variation selectors for Mongolian.

1820 MONGOLIAN LETTER A

1820

first form (isolate)

1820

first form (initial)

1820

first form (medial)

1820

first form (final)

1820

second form (isolate)

1820 180B

second form (medial)

1820 180B

second form (final)

1820 180B

third form (medial)

1820 180C

1821 MONGOLIAN LETTER E

1821

first form (isolate)

1821

first form (initial)

1821

first form (medial)

1821

first form (final)

1821

second form (initial)

1821 180B

second form (final)

1821 180B

1822

MONGOLIAN LETTER I

1822

first form (isolate)

1822

first form (initial)

1822

first form (medial)

1822

first form (final)

1822

second form (medial)

1822 180B

1823

MONGOLIAN LETTER O

1823

first form (isolate)

1823

first form (initial)

1823

first form (medial)

1823

first form (final)

1823

second form (medial)

1823 180B

second form (final)

1823 180B

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
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| <p>1824  MONGOLIAN LETTER U</p> <p>1824<br/> first form (isolate)</p> <p>1824<br/> first form (initial)</p> <p>1824<br/> first form (medial)</p> <p>1824<br/> first form (final)</p> <p>1824<br/> second form (medial)</p>                                                                                                                                                                                                                                                                                                   | <p>1826  MONGOLIAN LETTER UE</p> <p>1826<br/> first form (isolate)</p> <p>1826<br/> first form (initial)</p> <p>1826<br/> first form (medial)</p> <p>1826<br/> first form (final)</p> <p>1826<br/> second form (isolate)</p>                                                                                                                                                                                                                                                                                                 |
| <p>1824 180B<br/>1825  MONGOLIAN LETTER OE</p> <p>1825<br/> first form (isolate)</p> <p>1825<br/> first form (initial)</p> <p>1825<br/> first form (medial)</p> <p>1825<br/> first form (final)</p> <p>1825<br/> second form (medial)</p> <p>1825 180B<br/> second form (final)</p> <p>1825 180B<br/> third form (medial)</p> <p>1825 180C</p> | <p>1826 180B<br/> second form (medial)</p> <p>1826 180B<br/> second form (final)</p> <p>1826 180B<br/> third form (medial)</p> <p>1826 180C<br/>1827  MONGOLIAN LETTER EE</p> <p>1827<br/> first form (isolate)</p> <p>1827<br/> first form (initial)</p> <p>1827<br/> first form (medial)</p> <p>1827<br/> first form (final)</p> <p>1827</p> |

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| <p>1828</p> <p> MONGOLIAN LETTER NA</p> <p>1828</p> <p> first form (initial)</p> <p>1828</p> <p> first form (medial)</p> <p>1828</p> <p> first form (final)</p> <p>1828</p> <p> second form (initial)</p> <p>1828 180B</p> <p> second form (medial)</p> <p>1828 180B</p> <p> third form (medial)</p> <p>1828 180C</p> <p> fourth form (medial)</p> | <p>182B</p> <p> MONGOLIAN LETTER PA</p> <p>182B</p> <p> first form (initial)</p> <p>182B</p> <p> first form (medial)</p> <p>182B</p> <p> first form (final)</p> <p>182B</p> <p>182C</p> <p> MONGOLIAN LETTER QA</p> <p>182C</p> <p> first form (isolate)</p> <p>182C</p> <p> first form (initial)</p> <p>182C</p> <p> first form (medial)</p> <p>182C</p> <p> first form (final)</p> <p>182C</p> <p> second form (isolate)</p> <p>182C 180B</p> <p> second form (initial)</p> <p>182C 180B</p> <p> second form (medial)</p> <p>182C 180B</p> <p> third form (medial)</p> <p>182C 180C</p> <p> fourth form (medial)</p> <p>182C 180D</p> |
| <p>1829</p> <p> MONGOLIAN LETTER ANG</p> <p>1829</p> <p> first form (initial)</p> <p>1829</p> <p> first form (medial)</p> <p>1829</p> <p> first form (final)</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <p>182A</p> <p> MONGOLIAN LETTER BA</p> <p>182A</p> <p> first form (initial)</p> <p>182A</p> <p> first form (medial)</p> <p>182A</p> <p> first form (final)</p> <p>182A</p> <p> second form (final)</p> <p>182A 180B</p>                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |

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|-----------|-------------------------------------------------------------------------------------|-----------------------|-----------|-------------------------------------------------------------------------------------|----------------------|
| 182D      |    | MONGOLIAN LETTER GA   | 1830      |    | MONGOLIAN LETTER SA  |
| 182D      |    | first form (isolate)  | 1830      |    | first form (initial) |
| 182D      |    | first form (initial)  | 1830      |    | first form (medial)  |
| 182D      |    | first form (medial)   | 1830      |    | first form (final)   |
| 182D      |    | first form (final)    | 1830      |    | second form (final)  |
| 182D      |    | second form (initial) | 1830 180B |    | third form (final)   |
| 182D 180B |    | second form (medial)  | 1830 180C |                                                                                     |                      |
| 182D 180B |   | second form (final)   | 1831      |    | MONGOLIAN LETTER SHA |
| 182D 180B |  | third form (medial)   | 1831      |   | first form (initial) |
| 182D 180C |  | fourth form (medial)  | 1831      |  | first form (medial)  |
| 182D 180D |                                                                                     |                       | 1831      |  | first form (final)   |
| 182E      |  | MONGOLIAN LETTER MA   | 1831      |                                                                                     |                      |
| 182E      |  | first form (initial)  | 1832      |  | MONGOLIAN LETTER TA  |
| 182E      |  | first form (medial)   | 1832      |  | first form (initial) |
| 182E      |  | first form (final)    | 1832      |  | first form (medial)  |
| 182E      |                                                                                     |                       | 1832      |  | first form (final)   |
| 182F      |  | MONGOLIAN LETTER LA   | 1832      |  | second form (medial) |
| 182F      |  | first form (initial)  | 1832 180B |                                                                                     |                      |
| 182F      |  | first form (medial)   |           |                                                                                     |                      |
| 182F      |  | first form (final)    |           |                                                                                     |                      |
| 182F      |                                                                                     |                       |           |                                                                                     |                      |

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| <p>1833  MONGOLIAN LETTER DA</p> <p>1833  first form (initial)</p> <p>1833  first form (medial)</p> <p>1833  first form (final)</p> <p>1833  second form (initial)</p> <p>1833 180B  second form (medial)</p> <p>1833 180B  second form (final)</p> <p>1834  MONGOLIAN LETTER CHA</p> <p>1834  first form (initial)</p> <p>1834  first form (medial)</p> <p>1834  first form (final)</p> <p>1835  MONGOLIAN LETTER JA</p> <p>1835  first form (initial)</p> <p>1835  first form (medial)</p> <p>1835  first form (final)</p> <p>1835  second form (medial)</p> <p>1835 180B</p> | <p>1836  MONGOLIAN LETTER YA</p> <p>1836  first form (initial)</p> <p>1836  first form (medial)</p> <p>1836  first form (final)</p> <p>1836  second form (initial)</p> <p>1836 180B  second form (medial)</p> <p>1836 180B  third form (medial)</p> <p>1836 180C</p> <p>1837  MONGOLIAN LETTER RA</p> <p>1837  first form (initial)</p> <p>1837  first form (medial)</p> <p>1837  first form (final)</p> <p>1837</p> <p>1838  MONGOLIAN LETTER WA</p> <p>1838  first form (initial)</p> <p>1838  first form (medial)</p> <p>1838  first form (final)</p> <p>1838  second form (final)</p> <p>1838 180B</p> |
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|------|----------------------------------------------------------------------------------------------------------|------|----------------------------------------------------------------------------------------------------------|
| 1839 |  MONGOLIAN LETTER FA    | 183D |  MONGOLIAN LETTER ZA    |
| 1839 |  first form (initial)   | 183D |  first form (initial)   |
| 1839 |  first form (medial)    | 183D |  first form (medial)    |
| 1839 |  first form (final)     | 183D |  first form (final)     |
| 183A |  MONGOLIAN LETTER KA    | 183E |  MONGOLIAN LETTER HAA   |
| 183A |  first form (initial)   | 183E |  first form (initial)   |
| 183A |  first form (medial)    | 183E |  first form (medial)    |
| 183A |  first form (final)     | 183E |  first form (final)     |
| 183B |  MONGOLIAN LETTER KHA | 183F |  MONGOLIAN LETTER ZRA |
| 183B |  first form (initial) | 183F |  first form (initial) |
| 183B |  first form (medial)  | 183F |  first form (medial)  |
| 183B |  first form (final)   | 183F |  first form (final)   |
| 183C |  MONGOLIAN LETTER TSA | 1840 |  MONGOLIAN LETTER LHA |
| 183C |  first form (initial) | 1840 |  first form (initial) |
| 183C |  first form (medial)  | 1840 |  first form (medial)  |
| 183C |  first form (final)   | 1840 |  first form (final)   |
| 183C |                                                                                                          | 1840 |  first form (final)   |

|           |   |                                       |           |   |                         |
|-----------|---|---------------------------------------|-----------|---|-------------------------|
| 1843      | ᠋ | MONGOLIAN LETTER TODO LONG VOWEL SIGN | 1846      | ᠋ | MONGOLIAN LETTER TODO O |
| 1843      | ᠋ | first form (initial)                  | 1846      | ᠋ | first form (isolate)    |
| 1843      | ᠋ | first form (medial)                   | 1846      | ᠋ | first form (initial)    |
| 1843      | ᠋ | first form (final)                    | 1846      | ᠋ | first form (medial)     |
| 1844      | ᠋ | MONGOLIAN LETTER TODO E               | 1846      | ᠋ | first form (final)      |
| 1844      | ᠋ | first form (isolate)                  | 1846      | ᠋ | second form (medial)    |
| 1844      | ᠋ | first form (initial)                  | 1846 180B | ᠋ | MONGOLIAN LETTER TODO U |
| 1844      | ᠋ | first form (medial)                   | 1847      | ᠋ | first form (isolate)    |
| 1844      | ᠋ | first form (final)                    | 1847      | ᠋ | first form (initial)    |
| 1844      | ᠋ | second form (medial)                  | 1847      | ᠋ | first form (medial)     |
| 1844 180B | ᠋ | MONGOLIAN LETTER TODO I               | 1847      | ᠋ | first form (final)      |
| 1845      | ᠋ | first form (isolate)                  | 1847      | ᠋ | second form (isolate)   |
| 1845      | ᠋ | first form (initial)                  | 1847 180B | ᠋ | second form (medial)    |
| 1845      | ᠋ | first form (medial)                   | 1847 180B | ᠋ | second form (final)     |
| 1845      | ᠋ | first form (final)                    | 1847 180B | ᠋ | third form (medial)     |
| 1845      | ᠋ | second form (medial)                  | 1847 180C |   |                         |
| 1845 180B |   |                                       |           |   |                         |

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| <p>1848  MONGOLIAN LETTER TODO OE</p> <p>1848  first form (isolate)</p> <p>1848  first form (initial)</p> <p>1848  first form (medial)</p> <p>1848  first form (final)</p> <p>1848  second form (medial)</p>                                                                                                                                    | <p>184B  MONGOLIAN LETTER TODO BA</p> <p>184B  first form (initial)</p> <p>184B  first form (medial)</p> <p>184B  first form (final)</p> <p>184C  MONGOLIAN LETTER TODO PA</p> <p>184C  first form (initial)</p> <p>184C  first form (medial)</p> <p>184C  first form (final)</p> |
| <p>1849  MONGOLIAN LETTER TODO UE</p> <p>1849  first form (isolate)</p> <p>1849  first form (initial)</p> <p>1849  first form (medial)</p> <p>1849  first form (final)</p> <p>1849  second form (isolate)</p> <p>1849 180B  second form (medial)</p> | <p>184D  MONGOLIAN LETTER TODO QA</p> <p>184D  first form (initial)</p> <p>184D  first form (medial)</p> <p>184D  first form (final)</p> <p>184D  second form (initial)</p>                                                                                                                                                                                                                                                                                                                                                |
| <p>184A  MONGOLIAN LETTER TODO ANG</p> <p>184A  first form (initial)</p> <p>184A  first form (medial)</p> <p>184A  first form (final)</p>                                                                                                                                                                                                                                                                                                                                                                 | <p>184D 180B  second form (medial)</p> <p>184D 180B</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |

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| <p>184E</p> <p> MONGOLIAN LETTER TODO GA</p> <p>184E</p> <p> first form (isolate)</p> <p>184E</p> <p> first form (initial)</p> <p>184E</p> <p> first form (medial)</p> <p>184E</p> <p> first form (final)</p> <p>184E</p> <p> second form (medial)</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <p>1852</p> <p> MONGOLIAN LETTER TODO CHA</p> <p>1852</p> <p> first form (initial)</p> <p>1852</p> <p> first form (medial)</p> <p>1852</p> <p> first form (final)</p> <p>1853</p> <p> MONGOLIAN LETTER TODO JA</p> <p>1853</p> <p> first form (initial)</p> <p>1853</p> <p> first form (medial)</p> <p>1853</p> <p> first form (final)</p> <p>1854</p> <p> MONGOLIAN LETTER TODO TSA</p> <p>1854</p> <p> first form (initial)</p> <p>1854</p> <p> first form (medial)</p> <p>1854</p> <p> first form (final)</p> <p>1855</p> <p> MONGOLIAN LETTER TODO YA</p> <p>1855</p> <p> first form (initial)</p> <p>1855</p> <p> first form (medial)</p> <p>1855</p> <p> first form (final)</p> |
| <p>184F</p> <p> MONGOLIAN LETTER TODO MA</p> <p>184F</p> <p> first form (initial)</p> <p>184F</p> <p> first form (medial)</p> <p>184F</p> <p> first form (final)</p> <p>1850</p> <p> MONGOLIAN LETTER TODO TA</p> <p>1850</p> <p> first form (initial)</p> <p>1850</p> <p> first form (medial)</p> <p>1850</p> <p> first form (final)</p> <p>1851</p> <p> MONGOLIAN LETTER TODO DA</p> <p>1851</p> <p> first form (initial)</p> <p>1851</p> <p> first form (medial)</p> <p>1851</p> <p> first form (final)</p> | <p>1855</p> <p> first form (final)</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |

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| 1856 |  MONGOLIAN LETTER TODO WA    | 185D      |  MONGOLIAN LETTER SIBE E  |
| 1856 |  first form (initial)        | 185D      |  first form (isolate)     |
| 1856 |  first form (medial)         | 185D      |  first form (initial)     |
| 1856 |  first form (final)          | 185D      |  first form (medial)      |
| 1857 |  MONGOLIAN LETTER TODO KA    | 185D      |  first form (final)       |
| 1857 |  first form (initial)        | 185D      |  second form (medial)     |
| 1857 |  first form (medial)         | 185D 180B |  second form (final)      |
| 1857 |  first form (final)          | 185D 180B |  MONGOLIAN LETTER SIBE I |
| 1859 |  MONGOLIAN LETTER TODO HAA | 185E      |  first form (isolate)   |
| 1859 |  first form (initial)      | 185E      |  first form (initial)   |
| 1859 |  first form (medial)       | 185E      |  first form (medial)    |
| 1859 |  first form (final)        | 185E      |  first form (final)     |
| 185C |  MONGOLIAN LETTER TODO DZA | 185E      |  second form (medial)   |
| 185C |  first form (initial)      | 185E 180B |  second form (final)    |
| 185C |  first form (medial)       | 185E 180B |  third form (medial)    |
| 185C |  first form (final)        | 185E 180C |  third form (final)     |
| 185C |                                                                                                               | 185E 180C |                                                                                                            |