

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

## AMENDMENT 8: Additional symbols, Bamum supplement, CJK Unified Ideographs Extension D, and other characters

### Page 2, Clause 3, Normative references

*Update the reference to the Unicode Bidirectional Algorithm and the Unicode Normalization Forms as follows:*

Unicode Standard Annex, UAX#9, The Unicode Bidirectional Algorithm:

<http://www.unicode.org/reports/tr9/tr9-21.html>.

Unicode Standard Annex, UAX#15, Unicode Normalization Forms:

<http://www.unicode.org/reports/tr15/tr15-31.html>.

*Editor's Note: The versions for the Unicode Standard Annexes mentioned above will be updated as appropriate in future phases of this amendment process.*

### Page 21, Sub-clause 23.1 Source references for CJK Unified Ideographs

*Insert the following new entries in the list of Hanzi G sources:*

G\_GFHZB ZhongHua ZiHai (中华字海), XianDai HanYu CiDian (现代汉语词典), or CiHai (辞海)

G\_IDC ID system of the Ministry of Public Security of China, 2009

*Insert the following new entry in the list of Hanzi T sources:*

TB TCA-CNS Ministry of Education, Hakka dialect, May 2007

*Insert the following new entry in the list of Kanji J sources:*

JH Ministry of Economy, Trade and Industry, Family register (戸籍) and Network system for basic resident registers (住民基本台帳ネットワーク), 2009

*Replace the list describing the fields of the linked content (CJKU\_SR.txt) and the following paragraph with the following text:*

- 1<sup>st</sup> field: BMP or SIP code point (0hhhh), (2hhhh)
- 2<sup>nd</sup> field: Radical Stroke index (d{1,3}'.d{1,2}), (Radical is one to three digits, optionally followed by an apostrophe for alternate radical, followed by a full stop, and ending by one or two digits for the stroke count).
- 3<sup>rd</sup> field: Hanzi G sources (G0-hhhh), (G1-hhhh), (G3-hhhh), (G5-hhhh), (G7-hhhh), (GS-hhhh), (G8-hhhh), (G9-hhhh), (GE-hhhh), (G\_4K), (G\_BK), (G\_BKdddddd), (G\_CH), (G\_CY), (G\_CYYdddddd), (G\_CHdddddd), (G\_FZ), (G\_FZdddddd), (G\_GHdddddd), (G\_GFHZBddd), (G\_GJZdddddd), (G\_HC), (G\_HCdddddd), (G\_HZ), (G\_HZdddddd), (G\_IDCddd), (G\_XCdddddd), (G\_ZFYdddddd), (G\_ZJWdddddd), or (KXddd.dd)
- 4<sup>th</sup> field: Hanzi T sources (T1-hhhh), (T2-hhhh), (T3-hhhh), (T4-hhhh), (T5-hhhh), (T6-hhhh), (T7-hhhh), (TB-hhhh), (TC-hhhh), (TD-hhhh), (TE-hhhh), or (TF-hhhh)
- 5<sup>th</sup> field: Kanji J sources (J0-hhhh), (J1-hhhh), (J3-hhhh), (J3A-hhhh), (J4-hhhh), (JA-hhhh), (JH-xxxxxx), (JK-ddddd), or (JARIB-hhhh)
- 6<sup>th</sup> field: Hanja K sources (K0-hhhh), (K1-hhhh), (K2-hhhh), (K3-hhhh), (K4-hhhh), or (K5-hhhh)
- 7<sup>th</sup> field: ChuNom V sources (V0-hhhh), (V1-hhhh), (V2-hhhh), (V3-hhhh), or (V4-hhhh)
- 8<sup>th</sup> field: Hanzi H source (H-hhhh)
- 9<sup>th</sup> field: Hanja KP sources (KP0-hhhh) or (KP1-hhhh)

- 10<sup>th</sup> field: Unicode U source (UTCdddddd)
- 11<sup>th</sup> field: Hanzi M source (MACdddddd)

The format definition uses 'd' as a decimal unit, 'h' as a hexadecimal unit, and 'x' as an alphanumerical unit (0 to 9 and A to Z). Uppercase characters, digits and all other symbols between parentheses appear as shown.

*Provide a new source reference file with format changes as specified above and content updated as of resolutions WG2 M54.08.*

*(The following text is identical to ISO/IEC 10646, except for the renumbered note, but is linked to the new file.)*

**Click on this highlighted text to access the reference file.**

NOTE 5 – The content is also available as a separate viewable file in the same file directory as this document. The file is named: "CJKU\_SR.txt".

*Insert the following new sub-clause:*

### 23.4 Source reference presentation for CJK UNIFIED IDEOGRAPHS EXTENSION D

The following figure shows the presentation for the CJK UNIFIED IDEOGRAPH EXTENSION D block. Up to two sources per characters are represented in a single row. If more than two sources exist, an additional row is used.

The following figure shows an example for characters 2B740, 2B741, 2B751, and 2B752.

2B740	五	2B751	勢	勢
— 1.2	JH-IB0607	力	19.11	JH-JTAE48 UTC00857
2B741	丂	2B752	早	
— 1.5	JH-JTADOF	+	24.11	JH-JTAE65

### Page 30-1348 Clause 34, Code Tables 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*

*Tibetan  
Ethiopic*

*Combining Diacritical Marks Supplement  
Miscellaneous Technical  
Miscellaneous Symbols  
Dingbats  
Supplemental Punctuation  
Bopomofo Extended  
Cyrillic Extended-B  
Latin Extended-D*

*Plane 01*

*Enclosed Alphanumeric Supplement  
Enclosed Ideographic Supplement*

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

0F8C-0F8F 0FD9-0FDA 135D-135E 1DFC 23E9-23F3  
26CE 2705 270A-270B 2728 274C 274E 2753-2755  
275F-2760 2795-2797 2E32 31B8-31BA A660-A661  
A78F-A791 A7F2-A7FA 1F170-1F171 1F17E 1F18E  
1F201-1F202 1F232-1F23A 1F250-1F251

#### 2. New blocks

*Insert the following additional blocks.*

*Plane 00*

*Ethiopic Extended-A*

*Plane 01*

*Bamum Supplement  
Playing Cards  
Miscellaneous Pictographic Symbols  
Emoticons  
Transport and Map Symbols  
Alchemical Symbols*

*Plane 02*

*CJK Unified Ideographs Extension D*

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

AB01-AB06 AB09-AB0E AB11-AB16 AB20-AB26  
AB28-AB2E 16800-16A38 1F0A0-1F0AE 1F0B1-  
1F0BE 1F0C1-1F0CF 1F0D1-1F0DF 1F300-1F30C  
1F30F 1F311-1F320 1F330-1F335 1F337-1F37C  
1F380-1F393 1F3A0-1F3C4 1F3C6-1F3CA 1F3E0-  
1F3F0 1F400-1F43D 1F440 1F442-1F46F 1F471-  
1F49E 1F4A0-1F4B6 1F4B8-1F4E1 1F4E3-1F518  
1F51C-1F528 1F52A-1F53D 1F540-1F543 1F54B-  
1F54E 1F550-1F55B 1F560-1F564 1F600-1F628

1F62A -1F63D 1F680-1F6C4 1F700-1F773 2B740-2B81E

## Page 1349, Annex A.1

*In the list of collection numbers and names, after 158 BATAK*

*insert a new entry as follows:*

159 ETHIOPIC EXTENDED-A	AB00-AB2F
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*after*

1042 HISTORIC KANA

*insert new entries as follows:*

1043 BAMUM SUPPLEMENT	16800-16A3F
1044 PLAYING CARDS	1FOAO-1FOFF
1045 MISCELLANEOUS PICTOGRAPHIC SYMBOLS	1F300-1F5FF
1046 EMOTICONS	1F600-1F64F
1047 TRANSPORT AND MAP SYMBOLS	1F680-1F6FF
1048 ALCHEMICAL SYMBOLS	1F700-1F77F

*after*

2003 CJK UNIFIED IDEOGRAPHS EXTENSION C

*insert a new entry as follows:*

2004 CJK UNIFIED IDEOGRAPHS EXTENSION D	2B740-2B81F
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*after*

309 UNICODE 5.2	see A6.8 *
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*insert the new entry:*

310 UNICODE 6.0	see A6.8 *
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*after*

386 CJK UNIFIED IDEOGRAPHS-2008

*insert the new entry:*

387 CJK UNIFIED IDEOGRAPHS-2010	Collection 385 *
	9FC7-9FCB
	2B740-2B81E

## Page 1351, Annex A.1

*In the alphabetical list of keywords in Note 3, add collection “1043” to the entry “Bamum”, collection “159” to*

*the entry “Ethiopic”, and add collections “1044-1048” to the entry “Symbols”.*

## Page 1352, Annex A.2.1

*In the list of blocks in the BMP, insert the following new entry:*

ETHIOPIC EXTENDED-A	AB00-AB2F
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## Page 1353, Annex A.2.2

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

BAMUM SUPPLEMENT	16800-16A3F
PLAYING CARDS	1FOAO-1FOFF
MISCELLANEOUS PICTOGRAPHIC SYMBOLS	1F300-1F5FF
EMOTICONS	1F600-1F64F
TRANSPORT AND MAP SYMBOLS	1F680-1F6FF
ALCHEMICAL SYMBOLS	1F700-1F77F

## Page 1353, Annex A.2.3

*In the list of blocks in the SIP, insert the following new entry:*

CJK UNIFIED IDEOGRAPHS EXTENSION D	2B740-2B81F
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## Page 1357, Annex A.6, Unicode Collections

*At the end of Annex A.6, add new clause A.6.8 as follows.*

### A.6.8 309 UNICODE 6.0

310 The fixed collection UNICODE 6.0 is arranged by planes as follows.

#### Plane 00

##### Row Positions (cells)

00	20-7E A0-FF
01-02	0100-02FF
03	00-77 7A-7E 84-8A 8C 8E-A1 A3-FF
04	00-FF
05	00-27 31-56 59-5F 61-87 89-8A 91-C7 D0-EA F0-F4
06	00-03 06-1B 1E-5E 60-FF
07	00-0D 0F-4A 4D-B1 C0-FA
08	00-2D 30-3E 40-5B 5E
09	00-39 3C-4E 50-55 58-72 79-7F 81-83 85-8C 8F-90 93-A8 AA-B0 B2 B6-B9 BC-C4 C7-C8 CB-CE D7 DC-DD DF-E3 E6-FB

OA	01-03 05-0A OF-10 13-28 2A-30 32-33 35-36 38-39 3C 3E-42 47-48 4B-4D 51 59-5C 5E 66- 75 81-83 85-8D 8F-91 93-A8 AA-B0 B2-B3 B5- B9 BC-C5 C7-C9 CB-CD D0 E0-E3 E6-EF F1
OB	01-03 05-0C OF-10 13-28 2A-30 32-33 35-39 3C-44 47-48 4B-4D 56-57 5C-5D 5F-63 66-77 82-83 85-8A 8E-90 92-95 99-9A 9C 9E-9F A3- A4 A8-AA AE-B9 BE-C2 C6-C8 CA-CD D0 D7 E6- FA
OC	01-03 05-0C OE-10 12-28 2A-33 35-39 3D-44 46-48 4A-4D 55-56 58-59 60-63 66-6F 78-7F 82-83 85-8C 8E-90 92-A8 AA-B3 B5-B9 BC-C4 C6-C8 CA-CD D5-D6 DE E0-E3 E6-EF F1-F2
OD	02-03 05-0C OE-10 12-3A 3D-44 46-48 4A-4D 57 60-63 66-75 79-7F 82-83 85-96 9A-B1 B3- BB BD CO-C6 CA CF-D4 D6 D8-DF F2-F4
OE	01-3A 3F-5B 81-82 84 87-88 8A 8D 94-97 99- 9F A1-A3 A5 A7 AA-A8 AD-B9 BB-BD CO-C4 C6 C8-CD D0-D9 DC-DD
OF	00-47 49-6C 71-97 99-BC BE-CC CE-DA
10	00-C5 D0-FC
11	00-FF
12	00-48 4A-4D 50-56 58 5A-5D 60-88 8A-8D 90- B0 B2-B5 B8-BE CO C2-C5 C8-D6 D8-FF
13	00-10 12-15 18-5A 5D-7C 80-99 A0-F4
14-15	1400-15FF
16	00-9C A0-F0
17	00-0C OE-14 20-36 40-53 60-6C 6E-70 72-73 80-DD EO-E9 F0-F9
18	00-0E 10-19 20-77 80-AA B0-F5
19	00-1C 20-2B 30-3B 40 44-6D 70-74 80-AB B0- C9 D0-DA DE-FF
1A	00-1B 1E-5E 60-7C 7F-89 90-99 A0-AD
1B	00-4B 50-7C 80-AA AE-B9 CO-F3 FC-FF
1C	00-37 3B-49 4D-7F D0-F2
1D	00-E6 FC-FF
1E	00-FF
1F	00-15 18-1D 20-45 48-4D 50-57 59 5B 5D 5F- 7D 80-B4 B6-C4 C6-D3 D6-DB DD-EF F2-F4 F6- FE
20	00-64 6A-71 74-8E 90-94 A0-B8 D0-F0
21	00-89 90-FF
22	00-FF
23	00-F3
24	00-26 40-4A 60-FF
25	00-FF
26	00-E1 E3 E8-FF
27	01-AF B1-BE CO-CA CC D0-FF
28-2A	2800-2AFF
2B	00-4C 50-59
2C	00-2E 30-5E 60-7F 80-F1 F9-FF
2D	00-25 30-65 6F-70 7F-96 A0-A6 A8-AE B0-B6 B8-BE CO-C6 C8-CE D0-D6 D8-DE EO-FF
2E	00-32 80-99 9B-F3
2F	00-D5 F0-FB
30	00-3F 41-96 99-FF
31	05-2D 31-8E 90-BA CO-E3 F0-FF
32	00-1E 20-FE
33	00-FF
34-4C	3400-4CFF
4D	00-B5 CO-FF
4E-9F	4E00-9FC6
A0-A3	A000-A3FF
A4	00-8C 90-C6 D0-FF
A5	00-FF
A6	00-2B 40-73 7C-97 A0-F7

A7	00-91 F2-FF
A8	00-2B 30-39 40-77 80-C4 CE-D9 E0-FB
A9	00-53 5F-7C 80-CD CF-D9 DE-DF
AA	00-36 40-4D 50-59 5C-7B 80-C2 DB-DF
AB	01-06 09-0E 11-16 20-26 28-2E CO-ED F0-F9
AC-D6	AC00-D6FF
D7	00-A3 B0-C6 CB-FB
E0-F8	E000-F8FF
F9	00-FF
FA	00-2D 30-6D 70-D9
FB	00-06 13-17 1D-36 38-3C 3E 40-41 43-44 46- C1 D3-FF
FC	00-FF
FD	00-3F 50-8F 92-C7 F0-FD
FE	00-19 20-26 30-52 54-66 68-6B 70-74 76-FC FF
FF	01-BE C2-C7 CA-CF D2-D7 DA-DC E0-E6 E8-EE F9-FD

**Plane 01****Row Positions (cells)**

00	00-0B 0D-26 28-3A 3C-3D 3F-4D 50-5D 80-FA
01	00-02 07-33 37-8A 90-9B D0-FD
02	80-9C A0-D0
03	00-1E 20-23 30-4A 80-9D 9F-C3 C8-D5
04	00-9D A0-A9
08	00-05 08 0A-35 37-38 3C 3F-55 57-5F
09	00-1B 1F-39 3F
0A	00-03 05-06 0C-13 15-17 19-33 38-3A 3F-47 50-58 60-7F
0B	00-35 39-3F-55 58-72 78-7F
0C	00-48
0E	60-7E
10	00-4D 52-6F 80-C1
20-22	2000-22FF
23	00-6E
24	00-62 70-73
30-34	3000-342E
68-6A	6800-6A38
B0	00-01
D0	00-F5
D1	00-26 29-DD
D2	00-45
D3	00-56 60-71
D4	00-54 56-9C 9E-9F A2 A5-A6 A9-AC AE-B9 BB BD-C3 C5-FF
D5	00-05 07-0A 0D-14 16-1C 1E-39 3B-3E 40-44 46 4A-50 52-FF
D6	00-A5 A8-FF
D7	00-CB CE-FF
F0	00-2B 30-93 A0-AE B1-BE C1-CF D1-DF
F1	00-0A 10-2E 31 3D 3F 42 46 4A-4E 57 5F 70-71 79 7B-7C 7E-7F 8A-8E 90
F2	00-02 10-3A 40-48 50-51
F3	00-0C OF 11-1F 20 30-35 37-7C 80-93 A0-C4 C6-CA E0-F0
F4	00-3D 40 42-6F 71-9E A0-B6 B8-E1 E3-FF
F5	00-18 1C-28 2A-3D 40-43 4B-4E 50-5B 60-64
F6	00-28 2A-3D 80-C4
F7	00-73

**Plane 02****Row Positions (cells)**

00-A6	0000-A6D6
A7-B6	A700-B600

B7 30-34 40-FF  
 B8 00-1E  
 F8-FA F800-FA1D

Plane 0ERow Positions (cells)

00 01 20-7F  
 01 00-EF

Plane 0FRow Positions (cells)

00-FF 0000-FFFF

Plane 10Row Positions (cells)

00-FF 0000-FFFF

**NOTE –** The collection 310 UNICODE 6.0 can also be determined by using another fixed collection from A.6 and several ranges of code positions.

Plane 00-10Collection number and name

309 UNICODE 5.2

Plane 00Row Positions (cells)

05 26-27  
 08 40-5B 5E  
 0B 72-77  
 0D 29 3A  
 0F 8C-8F D9-DA  
 13 5D-5E  
 1B C0-F3 FC-FF  
 1D FC  
 23 E9-F3  
 26 CE  
 27 05 0A-0B 28 4C 4E 53-55 5F-60 95-97  
 2D 70 7F  
 2E 32  
 30 97  
 31 B8-BA  
 A6 60-61  
 A7 8D-91 F2-FA  
 AB 01-06 09-0E 11-16 20-26 28-2E  
 FB B2-C1

Plane 01Row Positions (cells)

10	00-4D 52-6F
68-6A	6800-6A38
B0	00-01
F0	A0-AE B1-BE C1-CF D1-DF
F1	70-71 7E 8E
F2	01-02 32-3A 50-51
F3	00-0C 0F 11-1F 20 30-35 37-7C 80-93 A0-C4 C6-CA EO-FO
F4	00-3D 40 42-6F 71-9E A0-B6 B8-E1 E3-FF
F5	00-18 1C-28 2A-3D 40-43 4B-4E 50-5B 60-64
F6	00-28 2A-3D 80-C4
F7	00-73

Plane 02Row Positions (cells)

B7	40-FF
B8	00-1E

**Page 1358, Annex B, List of combining characters**

*Insert the following new entries:*

0F8D	TIBETAN SUBJOINED SIGN LCE TSA CAN
0F8E	TIBETAN SUBJOINED SIGN MCHU CAN
0F8F	TIBETAN SUBJOINED SIGN INVERTED MCHU CAN
135D	ETHIOPIC COMBINING GEMINATION AND VOWEL LENGTH MARK
135E	ETHIOPIC COMBINING VOWEL LENGTH MARK

**Page 1379, 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.*

**Click on this highlighted text to access the file containing the new names.**

**NOTE –** The content is also available as a separate viewable file in the same file directory as this document. The file is named: "Am8names.txt".

OF00

Tibetan

OFFF

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

0F00

Tibetan

0F3F

**Syllable**

0F00 ། TIBETAN SYLLABLE OM

**Head marks**

- 0F01 ཁ TIBETAN MARK GTER YIG MGO TRUNCATED A  
 0F02 ཁྱ TIBETAN MARK GTER YIG MGO -UM RNAM BCAD MA  
 0F03 ཁྱྱ TIBETAN MARK GTER YIG MGO -UM GTER TSHEG MA  
 0F04 ཁྱྱྱ TIBETAN MARK INITIAL YIG MGO MDUN MA  
     • honorific; marks beginning of text or start of new folio  
     → 1800 ། mongolian birga  
 0F05 ཁྱྱྱྱ TIBETAN MARK CLOSING YIG MGO SGAB MA  
     • follows and ligates with initial yig-mgo  
 0F06 ཁྱྱྱྱྱ TIBETAN MARK CARET YIG MGO PHUR SHAD MA  
 0F07 ཁྱྱྱྱྱྱ TIBETAN MARK YIG MGO TSHEG SHAD MA

**Marks and signs**

- 0F08 ཁྱྱྱྱྱྱྱ TIBETAN MARK SBRUL SHAD  
     • separates sections of meaning equivalent to topics and sub-topics  
 0F09 ཁྱྱྱྱྱྱྱྱ TIBETAN MARK BSKUR YIG MGO  
     • list enumerator, used in Bhutan  
 0F0A ཁྱྱྱྱྱྱྱྱྱ TIBETAN MARK BKA- SHOG YIG MGO  
     • petition honorific, used in Bhutan  
 0F0B ཁྱྱྱྱྱྱྱྱྱྱྱ TIBETAN MARK INTERSYLLABIC TSHEG  
     = tsek  
     • morpheme delimiter (approximate meaning)  
     • the normal tsheg; provides a break opportunity  
     • character name is a misnomer  
 0F0C ཁྱྱྱྱྱྱྱྱྱྱྱྱ TIBETAN MARK DELIMITER TSHEG BSTAR  
     • a non-breaking tsheg; inhibits line breaking  
     • character name is a misnomer  
     ≈ <noBreak> 0F0B ·  
 0F0D ཁྱྱྱྱྱྱྱྱྱྱྱྱ TIBETAN MARK SHAD  
     = shey  
     • marks end of a section of text (tshig-grub)  
     → 0964 ། devanagari danda  
 0F0E ཁྱྱྱྱྱྱྱྱྱྱྱྱྱ TIBETAN MARK NYIS SHAD  
     • marks end of a whole topic (don-tshan)  
     → 0965 ། devanagari double danda  
 0F0F ཁྱྱྱྱྱྱྱྱྱྱྱྱྱྱ TIBETAN MARK TSHEG SHAD  
 0F10 ཁྱྱྱྱྱྱྱྱྱྱྱྱྱྱ TIBETAN MARK NYIS TSHEG SHAD  
 0F11 ཁྱྱྱྱྱྱྱྱྱྱྱྱྱྱྱ TIBETAN MARK RIN CHEN SPUNGS SHAD  
     • shad which follows a tsheg-bar that starts a new line  
 0F12 ཁྱྱྱྱྱྱྱྱྱྱྱྱྱྱ TIBETAN MARK RGYA GRAM SHAD  
 0F13 ཁྱྱྱྱྱྱྱྱྱྱྱྱྱྱ TIBETAN MARK CARET -DZUD RTAGS ME LONG CAN  
 0F14 ཁྱྱྱྱྱྱྱྱྱྱྱྱྱྱ TIBETAN MARK GTER TSHEG  
     • used as a comma-like text delimiter  
     → 17D6 ཁྱྱྱྱྱྱྱྱྱྱྱྱྱྱ khmer sign camnuc pii kuuuh

**Astrological signs**

- 0F15 ཁྱྱྱྱྱྱྱྱྱྱྱྱྱྱ TIBETAN LOGOTYPE SIGN CHAD RTAGS  
 0F16 ཁྱྱྱྱྱྱྱྱྱྱྱྱྱྱ TIBETAN LOGOTYPE SIGN LHAG RTAGS  
 0F17 ཁྱྱྱྱྱྱྱྱྱྱྱྱྱྱ TIBETAN ASTROLOGICAL SIGN SGRA GCAN -CHAR RTAGS

- 0F18 ཁྱྱྱྱྱྱྱྱྱྱྱྱྱྱ TIBETAN ASTROLOGICAL SIGN -KHYUD PA  
     • combines with digits  
 0F19 ཁྱྱྱྱྱྱྱྱྱྱྱྱྱྱ TIBETAN ASTROLOGICAL SIGN SDONG TSHUGS  
     • combines with digits  
 0F1A ཁྱྱྱྱྱྱྱྱྱྱྱྱྱྱ TIBETAN SIGN RDEL DKAR GCIG  
 0F1B ཁྱྱྱྱྱྱྱྱྱྱྱྱྱྱ TIBETAN SIGN RDEL DKAR GNYIS  
 0F1C ཁྱྱྱྱྱྱྱྱྱྱྱྱྱྱ TIBETAN SIGN RDEL DKAR GSUM  
 0F1D ཁྱྱྱྱྱྱྱྱྱྱྱྱྱྱ TIBETAN SIGN RDEL NAG GCIG  
 0F1E ཁྱྱྱྱྱྱྱྱྱྱྱྱྱྱ TIBETAN SIGN RDEL NAG GNYIS  
 0F1F ཁྱྱྱྱྱྱྱྱྱྱྱྱྱྱ TIBETAN SIGN RDEL DKAR RDEL NAG

**Digits**

- 0F20 ཁྱྱྱྱྱྱྱྱྱྱྱྱྱྱ TIBETAN DIGIT ZERO  
 0F21 ཁྱྱྱྱྱྱྱྱྱྱྱྱྱྱ TIBETAN DIGIT ONE  
 0F22 ཁྱྱྱྱྱྱྱྱྱྱྱྱྱྱ TIBETAN DIGIT TWO  
 0F23 ཁྱྱྱྱྱྱྱྱྱྱྱྱྱྱ TIBETAN DIGIT THREE  
 0F24 ཁྱྱྱྱྱྱྱྱྱྱྱྱྱྱ TIBETAN DIGIT FOUR  
 0F25 ཁྱྱྱྱྱྱྱྱྱྱྱྱྱྱ TIBETAN DIGIT FIVE  
 0F26 ཁྱྱྱྱྱྱྱྱྱྱྱྱྱྱ TIBETAN DIGIT SIX  
 0F27 ཁྱྱྱྱྱྱྱྱྱྱྱྱྱྱ TIBETAN DIGIT SEVEN  
 0F28 ཁྱྱྱྱྱྱྱྱྱྱྱྱྱྱ TIBETAN DIGIT EIGHT  
 0F29 ཁྱྱྱྱྱྱྱྱྱྱྱྱྱྱ TIBETAN DIGIT NINE

**Digits minus half**

- 0F2A ཁྱྱྱྱྱྱྱྱྱྱྱྱྱྱ TIBETAN DIGIT HALF ONE  
 0F2B ཁྱྱྱྱྱྱྱྱྱྱྱྱྱྱ TIBETAN DIGIT HALF TWO  
 0F2C ཁྱྱྱྱྱྱྱྱྱྱྱྱྱྱ TIBETAN DIGIT HALF THREE  
 0F2D ཁྱྱྱྱྱྱྱྱྱྱྱྱྱྱ TIBETAN DIGIT HALF FOUR  
 0F2E ཁྱྱྱྱྱྱྱྱྱྱྱྱྱྱ TIBETAN DIGIT HALF FIVE  
 0F2F ཁྱྱྱྱྱྱྱྱྱྱྱྱྱྱ TIBETAN DIGIT HALF SIX  
 0F30 ཁྱྱྱྱྱྱྱྱྱྱྱྱྱྱ TIBETAN DIGIT HALF SEVEN  
 0F31 ཁྱྱྱྱྱྱྱྱྱྱྱྱྱྱ TIBETAN DIGIT HALF EIGHT  
 0F32 ཁྱྱྱྱྱྱྱྱྱྱྱྱྱྱ TIBETAN DIGIT HALF NINE  
 0F33 ཁྱྱྱྱྱྱྱྱྱྱྱྱྱྱ TIBETAN DIGIT HALF ZERO

**Marks and signs**

- 0F34 ཁྱྱྱྱྱྱྱྱྱྱྱྱྱྱ TIBETAN MARK BSDUS RTAGS  
     • repetition  
 0F35 ཁྱྱྱྱྱྱྱྱྱྱྱྱྱྱ TIBETAN MARK NGAS BZUNG NYI ZLA  
     • honorific, emphasis; used like underlining  
 0F36 ཁྱྱྱྱྱྱྱྱྱྱྱྱྱྱ TIBETAN MARK CARET -DZUD RTAGS BZHI MIG CAN  
     • marks point of text insertion or annotation  
 0F37 ཁྱྱྱྱྱྱྱྱྱྱྱྱྱྱ TIBETAN MARK NGAS BZUNG SGOR RTAGS  
     • emphasis; used like underlining  
 0F38 ཁྱྱྱྱྱྱྱྱྱྱྱྱྱྱ TIBETAN MARK CHE MGO  
 0F39 ཁྱྱྱྱྱྱྱྱྱྱྱྱྱྱ TIBETAN MARK TSA -PHRU  
     • a lenition mark

**Paired punctuation**

- 0F3A ཁྱྱྱྱྱྱྱྱྱྱྱྱྱྱ TIBETAN MARK GUG RTAGS GYON  
 0F3B ཁྱྱྱྱྱྱྱྱྱྱྱྱྱྱ TIBETAN MARK GUG RTAGS GYAS  
     • brackets  
 0F3C ཁྱྱྱྱྱྱྱྱྱྱྱྱྱྱ TIBETAN MARK ANG KHANG GYON  
 0F3D ཁྱྱྱྱྱྱྱྱྱྱྱྱྱྱ TIBETAN MARK ANG KHANG GYAS  
     • used for bracketing with a roof over

**Astrological signs**

- 0F3E ཁྱྱྱྱྱྱྱྱྱྱྱྱྱྱ TIBETAN SIGN YAR TSHE  
 0F3F ཁྱྱྱྱྱྱྱྱྱྱྱྱྱྱ TIBETAN SIGN MAR TSHE  
     • marks which combine with digits

**Consonants**

0F40	ཀ	TIBETAN LETTER KA
0F41	ཁ	TIBETAN LETTER KHA
0F42	ງ	TIBETAN LETTER GA
0F43	ଘ	TIBETAN LETTER GHA
	= 0F42 ག 0FB7 ཁ	
0F44	ච	TIBETAN LETTER NGA
0F45	ଚ	TIBETAN LETTER CA
0F46	କ୍ଷ	TIBETAN LETTER CHA
0F47	ଙ୍କ	TIBETAN LETTER JA
0F48	ୱ	<reserved>
0F49	୳	TIBETAN LETTER NYA
0F4A	୴	TIBETAN LETTER TTA
0F4B	୵	TIBETAN LETTER TTHA
0F4C	୶	TIBETAN LETTER DDA
0F4D	୷	TIBETAN LETTER DDHA
	= 0F4C ྲྀ 0FB7 ཁ	
0F4E	୸	TIBETAN LETTER NNA
0F4F	୹	TIBETAN LETTER TA
0F50	୺	TIBETAN LETTER THA
0F51	୻	TIBETAN LETTER DA
0F52	୼	TIBETAN LETTER DHA
	= 0F51 ཻ 0FB7 ཁ	
0F53	୪	TIBETAN LETTER NA
0F54	୤	TIBETAN LETTER PA
0F55	୥	TIBETAN LETTER PHA
0F56	୦	TIBETAN LETTER BA
0F57	୧	TIBETAN LETTER BHA
	= 0F56 འ 0FB7 ཁ	
0F58	୨	TIBETAN LETTER MA
0F59	୩	TIBETAN LETTER TSA
0F5A	୪	TIBETAN LETTER TSHA
0F5B	୤	TIBETAN LETTER DZA
0F5C	୥	TIBETAN LETTER DZHA
	= 0F5B ཊ 0FB7 ཁ	
0F5D	୦	TIBETAN LETTER WA
0F5E	୧	TIBETAN LETTER ZHA
0F5F	୨	TIBETAN LETTER ZA
0F60	୩	TIBETAN LETTER -A
0F61	ୣ	TIBETAN LETTER YA
0F62	୤	TIBETAN LETTER RA
	• when followed by a subjoined letter = ra mgo	
0F63	୦	TIBETAN LETTER LA
0F64	୧	TIBETAN LETTER SHA
0F65	୨	TIBETAN LETTER SSA
	= reversed sha	
0F66	ୢ	TIBETAN LETTER SA
0F67	୤	TIBETAN LETTER HA
0F68	ୣ	TIBETAN LETTER A
	• base for dependent vowels	
0F69	୦	TIBETAN LETTER KSSA
	= 0F40 ཀ 0FB5 ཁ	
0F6A	୤	TIBETAN LETTER FIXED-FORM RA
	• fixed-form letter not showing the shape variation of the ordinary ra	
	• used only in transliteration and transcription	
	→ 0F62 ཤ tibetan letter ra	

**Tibetan****Extensions for Balti**

0F6B	୮	TIBETAN LETTER KKA
0F6C	୯	TIBETAN LETTER RRA
	= a-chung	
	• common, vowel-lengthening mark	
0F72	୦	TIBETAN VOWEL SIGN I
0F73	୧୦	TIBETAN VOWEL SIGN II
	• use of this character is discouraged	
	= 0F71 ཉ 0F72 ཁ	
0F74	୧୧	TIBETAN VOWEL SIGN U
0F75	୧୨	TIBETAN VOWEL SIGN UU
	• use of this character is discouraged	
	= 0F71 ཉ 0F74 ཁ	
0F76	୧୩	TIBETAN VOWEL SIGN VOCALIC R
	= 0FB2 ཉ 0F80 ཁ	
0F77	୧୪	TIBETAN VOWEL SIGN VOCALIC RR
	• this character is deprecated and its use is strongly discouraged	
	≈ 0FB2 ཉ 0F81 ཉ	
0F78	୧୫	TIBETAN VOWEL SIGN VOCALIC L
	= 0FB3 ཉ 0F80 ཁ	
0F79	୧୬	TIBETAN VOWEL SIGN VOCALIC LL
	• this character is deprecated and its use is strongly discouraged	
	≈ 0FB3 ཉ 0F81 ཉ	
0F7A	୧୭	TIBETAN VOWEL SIGN E
0F7B	୧୮	TIBETAN VOWEL SIGN EE
0F7C	୧୯	TIBETAN VOWEL SIGN O
0F7D	୧୩	TIBETAN VOWEL SIGN OO

**Vocalic modification**

0F7E	୧୦	TIBETAN SIGN RJES SU NGA RO
	= anusvara	
0F7F	୧୧	TIBETAN SIGN RNAM BCAD
	= visarga	

**Dependent vowel signs**

0F80	୧୧	TIBETAN VOWEL SIGN REVERSED I
0F81	୧୨	TIBETAN VOWEL SIGN REVERSED II
	• use of this character is discouraged	
	= 0F71 ཉ 0F80 ཁ	

**Marks and signs**

0F82	୧୩	TIBETAN SIGN NYI ZLA NAA DA
0F83	୧୪	TIBETAN SIGN SNA LDAN
	→ 0901 ཁ devanagari sign candrabindu	
0F84	୧୦	TIBETAN MARK HALANTA
	= srog med	
	→ 094D ཁ devanagari sign virama	
0F85	୧୧	TIBETAN MARK PALUTA
	• transliteration of Sanskrit avagraha	
	→ 093D ཁ devanagari sign avagraha	
0F86	୧୩	TIBETAN SIGN LCI RTAGS
0F87	୧୪	TIBETAN SIGN YANG RTAGS



**Astrological signs**

- OFCE ☽ TIBETAN SIGN RDEL NAG RDEL DKAR  
           = dena deka  
           • signifies good luck earlier, bad luck later
- 0FCF ✕ TIBETAN SIGN RDEL NAG GSUM

**Marks**

- 0FD0 ↲ TIBETAN MARK BSKA- SHOG GI MGO RGYAN  
           ✖ TIBETAN MARK BKA- SHOG GI MGO RGYAN  
           • used in Bhutan
- 0FD1 ⚰ TIBETAN MARK MNYAM YIG GI MGO RGYAN  
           • used in Bhutan
- 0FD2 : TIBETAN MARK NYIS TSHEG  
           = nyi tsek

**Head marks**

- 0FD3 ⌂ TIBETAN MARK INITIAL BRDA RNYING YIG MGO  
           MDUN MA  
           = da nyi go dun ma
- 0FD4 ⌂ TIBETAN MARK CLOSING BRDA RNYING YIG  
           MGO SGAB MA  
           = da nyi go kab ma

**Religious symbols**

- 0FD5 ⌄ RIGHT-FACING SVASTI SIGN  
           = gyung drung nang -khor  
           • symbol of good luck and well-being in India  
           → 5350 ⌄  
 0FD6 ⌅ LEFT-FACING SVASTI SIGN  
           = gyung drung phyi -khor  
           → 534D ⌅  
 0FD7 ⌆ RIGHT-FACING SVASTI SIGN WITH DOTS  
           = gyung drung nang -khor bzhi mig can  
 0FD8 ⌇ LEFT-FACING SVASTI SIGN WITH DOTS  
           = gyung drung phyi -khor bzhi mig can

**Annotation marks**

- 0FD9 ⌈ TIBETAN MARK LEADING MCHAN RTAGS  
 0FDA ⌉ TIBETAN MARK TRAILING MCHAN RTAGS

	120	121	122	123	124	125	126	127	128	129	12A	12B
0	ሀ	ሐ	ወ	ኩ	ቁ	ቃ	በ	ተ	ነ	ነ	አ	ከ
1200	1210	1220	1230	1240	1250	1260	1270	1280	1290	12A0	12B0	
1	ሁ	ሱ	ወ	ኩ	ቁ	ቃ	በ	ተ	ተ	ተ	አ	
1201	1211	1221	1231	1241	1251	1261	1271	1281	1291	12A1		
2	ሂ	ሱ	ሣ	ኩ	ቁ	ቃ	በ	ተ	ተ	ዘ	አ	ከ
1202	1212	1222	1232	1242	1252	1262	1272	1282	1292	12A2	12B2	
3	ሂ	ሱ	ሣ	ኩ	ቁ	ቃ	በ	ታ	ታ	ና	አ	ከ
1203	1213	1223	1233	1243	1253	1263	1273	1283	1293	12A3	12B3	
4	ሂ	ሱ	ሣ	ኩ	ቁ	ቃ	በ	ታ	ታ	ዘ	አ	ከ
1204	1214	1224	1234	1244	1254	1264	1274	1284	1294	12A4	12B4	
5	ሀ	ሐ	ወ	ኩ	ቁ	ቃ	በ	ተ	ተ	ዘ	አ	ከ
1205	1215	1225	1235	1245	1255	1265	1275	1285	1295	12A5	12B5	
6	ሀ	ሐ	ወ	ኩ	ቁ	ቃ	በ	ቶ	ቶ	ና	አ	
1206	1216	1226	1236	1246	1256	1266	1276	1286	1296	12A6		
7	ሁ	ሱ	ሣ	ኩ	ቁ		በ	ተ	ተ	ኅ	አ	
1207	1217	1227	1237	1247		1267	1277	1287	1297	12A7		
8	ለ	ሙ	ሩ	ኩ	ቁ	ቃ	በ	ተ	ተ	ኅ	አ	ከ
1208	1218	1228	1238	1248	1258	1268	1278	1288	1298	12A8	12B8	
9	ለ	ሙ	ሩ	ኩ			በ	ተ	ተ	ኅ	አ	ከ
1209	1219	1229	1239			1269	1279		1299	12A9	12B9	
A	ለ	ሙ	ሩ	ኩ	ቁ	ቃ	በ	ተ	ተ	ኅ	አ	ከ
120A	121A	122A	123A	124A	125A	126A	127A	128A	129A	12AA	12BA	
B	ለ	ሙ	ሩ	ኩ	ቁ	ቃ	በ	ተ	ተ	ኅ	አ	ከ
120B	121B	122B	123B	124B	125B	126B	127B	128B	129B	12AB	12BB	
C	ለ	ሙ	ሩ	ኩ	ቁ	ቃ	በ	ተ	ተ	ኅ	አ	ከ
120C	121C	122C	123C	124C	125C	126C	127C	128C	129C	12AC	12BC	
D	ለ	ሙ	ሩ	ኩ	ቁ	ቃ	በ	ተ	ተ	ኅ	አ	ከ
120D	121D	122D	123D	124D	125D	126D	127D	128D	129D	12AD	12BD	
E	ለ	ሙ	ሩ	ኩ			በ	ተ	ተ	ኅ	አ	ከ
120E	121E	122E	123E			126E	127E		129E	12AE	12BE	
F	ለ	ሙ	ሩ	ኩ			በ	ተ	ተ	ኅ	አ	
120F	121F	122F	123F			126F	127F		129F	12AF		

1200

## Ethiopic

1274

**Syllables**

1200	ሀ	ETHIOPIC SYLLABLE HA
1201	ሁ	ETHIOPIC SYLLABLE HU
1202	ሂ	ETHIOPIC SYLLABLE HI
1203	ሃ	ETHIOPIC SYLLABLE HAA
1204	ሄ	ETHIOPIC SYLLABLE HEE
1205	ህ	ETHIOPIC SYLLABLE HE
1206	ሆ	ETHIOPIC SYLLABLE HO
1207	ሊ	ETHIOPIC SYLLABLE HOA
1208	ላ	ETHIOPIC SYLLABLE LA
1209	ሌ	ETHIOPIC SYLLABLE LU
120A	ል	ETHIOPIC SYLLABLE LI
120B	ሎ	ETHIOPIC SYLLABLE LAA
120C	ሏ	ETHIOPIC SYLLABLE LEE
120D	ለ	ETHIOPIC SYLLABLE LE
120E	ሉ	ETHIOPIC SYLLABLE LO
120F	ሊ	ETHIOPIC SYLLABLE LWA
1210	ላ	ETHIOPIC SYLLABLE HHA
1211	ሌ	ETHIOPIC SYLLABLE HHU
1212	ል	ETHIOPIC SYLLABLE HHI
1213	ሎ	ETHIOPIC SYLLABLE HHAA
1214	ሏ	ETHIOPIC SYLLABLE HHEE
1215	ለ	ETHIOPIC SYLLABLE HHE
1216	ሊ	ETHIOPIC SYLLABLE HHO
1217	ላ	ETHIOPIC SYLLABLE HHWA
1218	ሌ	ETHIOPIC SYLLABLE MA
1219	ል	ETHIOPIC SYLLABLE MU
121A	ሎ	ETHIOPIC SYLLABLE MI
121B	ሏ	ETHIOPIC SYLLABLE MAA
121C	ለ	ETHIOPIC SYLLABLE MEE
121D	ሊ	ETHIOPIC SYLLABLE ME
121E	ላ	ETHIOPIC SYLLABLE MO
121F	ሌ	ETHIOPIC SYLLABLE MWA
1220	ል	ETHIOPIC SYLLABLE SZA
1221	ሊ	ETHIOPIC SYLLABLE SZU
1222	ላ	ETHIOPIC SYLLABLE SZI
1223	ሎ	ETHIOPIC SYLLABLE SZAA
1224	ሏ	ETHIOPIC SYLLABLE SZEE
1225	ለ	ETHIOPIC SYLLABLE SZE
1226	ሊ	ETHIOPIC SYLLABLE SZO
1227	ላ	ETHIOPIC SYLLABLE SZWA
1228	ሌ	ETHIOPIC SYLLABLE RA
1229	ል	ETHIOPIC SYLLABLE RU
122A	ሎ	ETHIOPIC SYLLABLE RI
122B	ሏ	ETHIOPIC SYLLABLE RAA
122C	ለ	ETHIOPIC SYLLABLE REE
122D	ላ	ETHIOPIC SYLLABLE RE
122E	ሎ	ETHIOPIC SYLLABLE RO
122F	ሌ	ETHIOPIC SYLLABLE RWA
1230	ሏ	ETHIOPIC SYLLABLE SA
1231	ለ	ETHIOPIC SYLLABLE SU
1232	ላ	ETHIOPIC SYLLABLE SI
1233	ሎ	ETHIOPIC SYLLABLE SAA
1234	ሏ	ETHIOPIC SYLLABLE SEE
1235	ለ	ETHIOPIC SYLLABLE SE
1236	ላ	ETHIOPIC SYLLABLE SO
1237	ሎ	ETHIOPIC SYLLABLE SWA
1238	ሊ	ETHIOPIC SYLLABLE SHA
1239	ላ	ETHIOPIC SYLLABLE SHU

123A	ሂ	ETHIOPIC SYLLABLE SHI
123B	ሃ	ETHIOPIC SYLLABLE SHA
123C	ሄ	ETHIOPIC SYLLABLE SHE
123D	ህ	ETHIOPIC SYLLABLE SHE
123E	ሆ	ETHIOPIC SYLLABLE SHO
123F	ሊ	ETHIOPIC SYLLABLE SHWA
1240	ለ	ETHIOPIC SYLLABLE QA
1241	ሉ	ETHIOPIC SYLLABLE QU
1242	ሊ	ETHIOPIC SYLLABLE QI
1243	ላ	ETHIOPIC SYLLABLE QAA
1244	ሌ	ETHIOPIC SYLLABLE QEE
1245	ል	ETHIOPIC SYLLABLE QE
1246	ሎ	ETHIOPIC SYLLABLE QO
1247	ሏ	ETHIOPIC SYLLABLE QOA
1248	ለ	ETHIOPIC SYLLABLE QWA
1249	ላ	<reserved>
124A	ሊ	ETHIOPIC SYLLABLE QWI
124B	ላ	ETHIOPIC SYLLABLE QWAA
124C	ሌ	ETHIOPIC SYLLABLE QWEE
124D	ላ	ETHIOPIC SYLLABLE QWE
124E	ላ	<reserved>
124F	ላ	<reserved>
1250	ለ	ETHIOPIC SYLLABLE QHA
1251	ሉ	ETHIOPIC SYLLABLE QHU
1252	ሊ	ETHIOPIC SYLLABLE QHI
1253	ላ	ETHIOPIC SYLLABLE QHAA
1254	ሌ	ETHIOPIC SYLLABLE QHEE
1255	ል	ETHIOPIC SYLLABLE QHE
1256	ሎ	ETHIOPIC SYLLABLE QHO
1257	ላ	<reserved>
1258	ሌ	ETHIOPIC SYLLABLE QHWA
1259	ላ	<reserved>
125A	ሊ	ETHIOPIC SYLLABLE QHWI
125B	ላ	ETHIOPIC SYLLABLE QHWAA
125C	ሌ	ETHIOPIC SYLLABLE QHWE
125D	ላ	ETHIOPIC SYLLABLE QHWE
125E	ላ	<reserved>
125F	ላ	<reserved>
1260	ሂ	ETHIOPIC SYLLABLE BA
1261	ሃ	ETHIOPIC SYLLABLE BU
1262	ሄ	ETHIOPIC SYLLABLE BI
1263	ህ	ETHIOPIC SYLLABLE BAA
1264	ሆ	ETHIOPIC SYLLABLE BEE
1265	ለ	ETHIOPIC SYLLABLE BE
1266	ሉ	ETHIOPIC SYLLABLE BO
1267	ሊ	ETHIOPIC SYLLABLE BWA
1268	ላ	ETHIOPIC SYLLABLE VA
1269	ሌ	ETHIOPIC SYLLABLE VU
126A	ል	ETHIOPIC SYLLABLE VI
126B	ለ	ETHIOPIC SYLLABLE VAA
126C	ሉ	ETHIOPIC SYLLABLE VEE
126D	ሊ	ETHIOPIC SYLLABLE VE
126E	ላ	ETHIOPIC SYLLABLE VO
126F	ሌ	ETHIOPIC SYLLABLE VWA
1270	ለ	ETHIOPIC SYLLABLE TA
1271	ሉ	ETHIOPIC SYLLABLE TU
1272	ሊ	ETHIOPIC SYLLABLE TI
1273	ላ	ETHIOPIC SYLLABLE TAA
1274	ሌ	ETHIOPIC SYLLABLE TEE

1275

Ethiopic

12BF

1275	ተ	ETHIOPIC SYLLABLE TE
1276	ቶ	ETHIOPIC SYLLABLE TO
1277	ተ	ETHIOPIC SYLLABLE TWA
1278	ቻ	ETHIOPIC SYLLABLE CA
1279	ቻ	ETHIOPIC SYLLABLE CU
127A	ቻ	ETHIOPIC SYLLABLE CI
127B	ቻ	ETHIOPIC SYLLABLE CAA
127C	ቻ	ETHIOPIC SYLLABLE CEE
127D	ቻ	ETHIOPIC SYLLABLE CE
127E	ቻ	ETHIOPIC SYLLABLE CO
127F	ቻ	ETHIOPIC SYLLABLE CWA
1280	ነ	ETHIOPIC SYLLABLE XA
1281	ነ	ETHIOPIC SYLLABLE XU
1282	ነ	ETHIOPIC SYLLABLE XI
1283	ዶ	ETHIOPIC SYLLABLE XAA
1284	ዶ	ETHIOPIC SYLLABLE XEE
1285	ኑ	ETHIOPIC SYLLABLE XE
1286	ኑ	ETHIOPIC SYLLABLE XO
1287	ኑ	ETHIOPIC SYLLABLE XOA
1288	ኑ	ETHIOPIC SYLLABLE XWA
1289	፩	<reserved>
128A	ኑ	ETHIOPIC SYLLABLE XWI
128B	ኑ	ETHIOPIC SYLLABLE XWAA
128C	ኑ	ETHIOPIC SYLLABLE XWEE
128D	ኑ	ETHIOPIC SYLLABLE XWE
128E	፩	<reserved>
128F	፩	<reserved>
1290	ኋ	ETHIOPIC SYLLABLE NA
1291	ኋ	ETHIOPIC SYLLABLE NU
1292	ኋ	ETHIOPIC SYLLABLE NI
1293	ኋ	ETHIOPIC SYLLABLE NAA
1294	ኋ	ETHIOPIC SYLLABLE NEE
1295	ኋ	ETHIOPIC SYLLABLE NE
1296	ኋ	ETHIOPIC SYLLABLE NO
1297	ኋ	ETHIOPIC SYLLABLE NWA
1298	ኋ	ETHIOPIC SYLLABLE NYA
1299	ኋ	ETHIOPIC SYLLABLE NYU
129A	ኋ	ETHIOPIC SYLLABLE NYI
129B	ኋ	ETHIOPIC SYLLABLE NYAA
129C	ኋ	ETHIOPIC SYLLABLE NYEE
129D	ኋ	ETHIOPIC SYLLABLE NYE
129E	ኋ	ETHIOPIC SYLLABLE NYO
129F	ኋ	ETHIOPIC SYLLABLE NYWA
12A0	ኋ	ETHIOPIC SYLLABLE GLOTTAL A
12A1	ኋ	ETHIOPIC SYLLABLE GLOTTAL U
12A2	ኋ	ETHIOPIC SYLLABLE GLOTTAL I
12A3	ኋ	ETHIOPIC SYLLABLE GLOTTAL AA
12A4	ኋ	ETHIOPIC SYLLABLE GLOTTAL EE
12A5	ኋ	ETHIOPIC SYLLABLE GLOTTAL E
12A6	ኋ	ETHIOPIC SYLLABLE GLOTTAL O
12A7	ኋ	ETHIOPIC SYLLABLE GLOTTAL WA
12A8	ኋ	ETHIOPIC SYLLABLE KA
12A9	ኋ	ETHIOPIC SYLLABLE KU
12AA	ኋ	ETHIOPIC SYLLABLE KI
12AB	ኋ	ETHIOPIC SYLLABLE KAA
12AC	ኋ	ETHIOPIC SYLLABLE KEE
12AD	ኋ	ETHIOPIC SYLLABLE KE
12AE	ኋ	ETHIOPIC SYLLABLE KO
12AF	ኋ	ETHIOPIC SYLLABLE KOA

12B0	ከ	ETHIOPIC SYLLABLE KWA
12B1	፩	<reserved>
12B2	ከ	ETHIOPIC SYLLABLE KWI
12B3	ከ	ETHIOPIC SYLLABLE KWAA
12B4	ከ	ETHIOPIC SYLLABLE KWEE
12B5	ከ	ETHIOPIC SYLLABLE KWE
12B6	፩	<reserved>
12B7	፩	<reserved>
12B8	ኋ	ETHIOPIC SYLLABLE KXA
12B9	ኋ	ETHIOPIC SYLLABLE KXU
12BA	ኋ	ETHIOPIC SYLLABLE KXI
12BB	ኋ	ETHIOPIC SYLLABLE KXAA
12BC	ኋ	ETHIOPIC SYLLABLE KXEE
12BD	ኋ	ETHIOPIC SYLLABLE KXE
12BE	ኋ	ETHIOPIC SYLLABLE KXO
12BF	፩	<reserved>

12C0

Ethiopic

137F

	12C	12D	12E	12F	130	131	132	133	134	135	136	137
0	፩	፪	፫	፬	፭	፮	፯	፺	፻	፼	፾	፿
1		፪	፫	፬	፭		፯	፺	፻	፼	፾	፿
2	፩	፪	፫	፬	፭	፮	፯	፺	፻	፼	፾	፿
3	፩	፪	፫	፬	፭	፮	፯	፺	፻	፼	፾	፿
4	፩	፪	፫	፬	፭	፮	፯	፺	፻	፼	፾	፿
5	፩	፪	፫	፬	፭	፮	፯	፺	፻	፼	፾	፿
6		፪	፫	፬	፭		፯	፺	፻	፼	፾	፿
7			፪	፫	፭		፯	፺	፻	፼	፾	፿
8	፩	፪	፫	፬	፭	፮	፯	፺	፻	፼	፾	፿
9	፩	፪	፫	፬	፭	፮	፯	፺	፻	፼	፾	፿
A	፩	፪	፫	፬	፭	፮	፯	፺	፻	፼	፾	፿
B	፩	፪	፫	፬	፭	፮	፯	፺	፻	፼	፾	፿
C	፩	፪	፫	፬	፭	፮	፯	፺	፻	፼	፾	፿
D	፩	፪	፫	፬	፭	፮	፯	፺	፻	፼	፾	፿
E	፩	፪	፫	፬	፭	፮	፯	፺	፻	፼	፾	፿
F	፩	፪	፫	፬	፭	፮	፯	፺	፻	፼	፾	፿

12C0

Ethiopic

1335

12C0	፩፻	ETHIOPIC SYLLABLE KXWA
12C1	፩፻	<reserved>
12C2	፩፻	ETHIOPIC SYLLABLE KXWI
12C3	፩፻	ETHIOPIC SYLLABLE KXWAA
12C4	፩፻	ETHIOPIC SYLLABLE KXWEE
12C5	፩፻	ETHIOPIC SYLLABLE KXWE
12C6	፩፻	<reserved>
12C7	፩፻	<reserved>
12C8	፩	ETHIOPIC SYLLABLE WA
12C9	፩	ETHIOPIC SYLLABLE WU
12CA	፩	ETHIOPIC SYLLABLE WI
12CB	፩	ETHIOPIC SYLLABLE WAA
12CC	፩	ETHIOPIC SYLLABLE WEE
12CD	፩	ETHIOPIC SYLLABLE WE
12CE	፩	ETHIOPIC SYLLABLE WO
12CF	፩	ETHIOPIC SYLLABLE WOA
12D0	፩	ETHIOPIC SYLLABLE PHARYNGEAL A
12D1	፩	ETHIOPIC SYLLABLE PHARYNGEAL U
12D2	፩	ETHIOPIC SYLLABLE PHARYNGEAL I
12D3	፩	ETHIOPIC SYLLABLE PHARYNGEAL AA
12D4	፩	ETHIOPIC SYLLABLE PHARYNGEAL EE
12D5	፩	ETHIOPIC SYLLABLE PHARYNGEAL E
12D6	፩	ETHIOPIC SYLLABLE PHARYNGEAL O
12D7	፩	<reserved>
12D8	፩	ETHIOPIC SYLLABLE ZA
12D9	፩	ETHIOPIC SYLLABLE ZU
12DA	፩	ETHIOPIC SYLLABLE ZI
12DB	፩	ETHIOPIC SYLLABLE ZAA
12DC	፩	ETHIOPIC SYLLABLE ZEE
12DD	፩	ETHIOPIC SYLLABLE ZE
12DE	፩	ETHIOPIC SYLLABLE ZO
12DF	፩	ETHIOPIC SYLLABLE ZWA
12E0	፩	ETHIOPIC SYLLABLE ZHA
12E1	፩	ETHIOPIC SYLLABLE ZHU
12E2	፩	ETHIOPIC SYLLABLE ZHI
12E3	፩	ETHIOPIC SYLLABLE ZHAA
12E4	፩	ETHIOPIC SYLLABLE ZHEE
12E5	፩	ETHIOPIC SYLLABLE ZHE
12E6	፩	ETHIOPIC SYLLABLE ZHO
12E7	፩	ETHIOPIC SYLLABLE ZHWA
12E8	፩	ETHIOPIC SYLLABLE YA
12E9	፩	ETHIOPIC SYLLABLE YU
12EA	፩	ETHIOPIC SYLLABLE YI
12EB	፩	ETHIOPIC SYLLABLE YAA
12EC	፩	ETHIOPIC SYLLABLE YEE
12ED	፩	ETHIOPIC SYLLABLE YE
12EE	፩	ETHIOPIC SYLLABLE YO
12EF	፩	ETHIOPIC SYLLABLE YOA
12F0	፩	ETHIOPIC SYLLABLE DA
12F1	፩	ETHIOPIC SYLLABLE DU
12F2	፩	ETHIOPIC SYLLABLE DI
12F3	፩	ETHIOPIC SYLLABLE DAA
12F4	፩	ETHIOPIC SYLLABLE DEE
12F5	፩	ETHIOPIC SYLLABLE DE
12F6	፩	ETHIOPIC SYLLABLE DO
12F7	፩	ETHIOPIC SYLLABLE DWA
12F8	፩	ETHIOPIC SYLLABLE DDA
12F9	፩	ETHIOPIC SYLLABLE DDU
12FA	፩	ETHIOPIC SYLLABLE DDI

12FB	፩	ETHIOPIC SYLLABLE DDAA
12FC	፩	ETHIOPIC SYLLABLE DDEE
12FD	፩	ETHIOPIC SYLLABLE DDE
12FE	፩	ETHIOPIC SYLLABLE DDO
12FF	፩	ETHIOPIC SYLLABLE DDWA
1300	፩	ETHIOPIC SYLLABLE JA
1301	፩	ETHIOPIC SYLLABLE JU
1302	፩	ETHIOPIC SYLLABLE JI
1303	፩	ETHIOPIC SYLLABLE JAA
1304	፩	ETHIOPIC SYLLABLE JEE
1305	፩	ETHIOPIC SYLLABLE JE
1306	፩	ETHIOPIC SYLLABLE JO
1307	፩	ETHIOPIC SYLLABLE JWA
1308	፩	ETHIOPIC SYLLABLE GA
1309	፩	ETHIOPIC SYLLABLE GU
130A	፩	ETHIOPIC SYLLABLE GI
130B	፩	ETHIOPIC SYLLABLE GAA
130C	፩	ETHIOPIC SYLLABLE GEE
130D	፩	ETHIOPIC SYLLABLE GE
130E	፩	ETHIOPIC SYLLABLE GO
130F	፩	ETHIOPIC SYLLABLE GOA
1310	፩	ETHIOPIC SYLLABLE GWA
1311	፩	<reserved>
1312	፩	ETHIOPIC SYLLABLE GWI
1313	፩	ETHIOPIC SYLLABLE GWAA
1314	፩	ETHIOPIC SYLLABLE GWEE
1315	፩	ETHIOPIC SYLLABLE GWE
1316	፩	<reserved>
1317	፩	<reserved>
1318	፩	ETHIOPIC SYLLABLE GGA
1319	፩	ETHIOPIC SYLLABLE GGU
131A	፩	ETHIOPIC SYLLABLE GGI
131B	፩	ETHIOPIC SYLLABLE GGAA
131C	፩	ETHIOPIC SYLLABLE GGE
131D	፩	ETHIOPIC SYLLABLE GGE
131E	፩	ETHIOPIC SYLLABLE GGO
131F	፩	ETHIOPIC SYLLABLE GGWA
1320	፩	ETHIOPIC SYLLABLE THA
1321	፩	ETHIOPIC SYLLABLE THU
1322	፩	ETHIOPIC SYLLABLE THI
1323	፩	ETHIOPIC SYLLABLE THAA
1324	፩	ETHIOPIC SYLLABLE THEE
1325	፩	ETHIOPIC SYLLABLE THE
1326	፩	ETHIOPIC SYLLABLE THO
1327	፩	ETHIOPIC SYLLABLE THWA
1328	፩	ETHIOPIC SYLLABLE CHA
1329	፩	ETHIOPIC SYLLABLE CHU
132A	፩	ETHIOPIC SYLLABLE CHI
132B	፩	ETHIOPIC SYLLABLE CHAA
132C	፩	ETHIOPIC SYLLABLE CHEE
132D	፩	ETHIOPIC SYLLABLE CHE
132E	፩	ETHIOPIC SYLLABLE CHO
132F	፩	ETHIOPIC SYLLABLE CHWA
1330	፩	ETHIOPIC SYLLABLE PHA
1331	፩	ETHIOPIC SYLLABLE PHU
1332	፩	ETHIOPIC SYLLABLE PHI
1333	፩	ETHIOPIC SYLLABLE PHAA
1334	፩	ETHIOPIC SYLLABLE PHEE
1335	፩	ETHIOPIC SYLLABLE PHE

1336

## Ethiopic

137C

1336	፲	ETHIOPIC SYLLABLE PHO
1337	፳	ETHIOPIC SYLLABLE PHWA
1338	፴	ETHIOPIC SYLLABLE TSA
1339	፵	ETHIOPIC SYLLABLE TSU
133A	፶	ETHIOPIC SYLLABLE TSI
133B	፷	ETHIOPIC SYLLABLE TSAA
133C	፸	ETHIOPIC SYLLABLE TSEE
133D	፹	ETHIOPIC SYLLABLE TSE
133E	፺	ETHIOPIC SYLLABLE TSO
133F	፻	ETHIOPIC SYLLABLE TSWA
1340	፼	ETHIOPIC SYLLABLE TZA
1341	፽	ETHIOPIC SYLLABLE TZU
1342	፾	ETHIOPIC SYLLABLE TZI
1343	፷	ETHIOPIC SYLLABLE TZAA
1344	፸	ETHIOPIC SYLLABLE TZEE
1345	፹	ETHIOPIC SYLLABLE TZE
1346	፺	ETHIOPIC SYLLABLE TZO
1347	፻	ETHIOPIC SYLLABLE TZOA
1348	፼	ETHIOPIC SYLLABLE FA
1349	፽	ETHIOPIC SYLLABLE FU
134A	፾	ETHIOPIC SYLLABLE FI
134B	፷	ETHIOPIC SYLLABLE FAA
134C	፸	ETHIOPIC SYLLABLE FEE
134D	፹	ETHIOPIC SYLLABLE FE
134E	፺	ETHIOPIC SYLLABLE FO
134F	፻	ETHIOPIC SYLLABLE FWA
1350	፼	ETHIOPIC SYLLABLE PA
1351	፽	ETHIOPIC SYLLABLE PU
1352	፾	ETHIOPIC SYLLABLE PI
1353	፷	ETHIOPIC SYLLABLE PAA
1354	፸	ETHIOPIC SYLLABLE PEE
1355	፹	ETHIOPIC SYLLABLE PE
1356	፺	ETHIOPIC SYLLABLE PO
1357	፻	ETHIOPIC SYLLABLE PWA
1358	፼	ETHIOPIC SYLLABLE RYA
1359	፽	ETHIOPIC SYLLABLE MYA
135A	፷	ETHIOPIC SYLLABLE FYA

**Combining marks**

135D	ጀጀ	ETHIOPIC COMBINING GEMINATION AND VOWEL LENGTH MARK
	•	Basketo
135E	ጀ	ETHIOPIC COMBINING VOWEL LENGTH MARK
	•	Basketo
135F	ጀጀጀ	ETHIOPIC COMBINING GEMINATION MARK

**Punctuation**

1360	ጀ	ETHIOPIC SECTION MARK
1361	፡	ETHIOPIC WORDSPACE
1362	፣	ETHIOPIC FULL STOP
1363	፤	ETHIOPIC COMMA
1364	፤	ETHIOPIC SEMICOLON
1365	፤	ETHIOPIC COLON
1366	፤	ETHIOPIC PREFACE COLON
1367	፤	ETHIOPIC QUESTION MARK
1368	፤፤	ETHIOPIC PARAGRAPH SEPARATOR

**Digits**

1369	፩	ETHIOPIC DIGIT ONE
136A	፪	ETHIOPIC DIGIT TWO
136B	፫	ETHIOPIC DIGIT THREE

136C	፬	ETHIOPIC DIGIT FOUR
136D	፭	ETHIOPIC DIGIT FIVE
136E	፮	ETHIOPIC DIGIT SIX
136F	፯	ETHIOPIC DIGIT SEVEN
1370	፰	ETHIOPIC DIGIT EIGHT
1371	፱	ETHIOPIC DIGIT NINE

**Numbers**

1372	፲	ETHIOPIC NUMBER TEN
1373	፳	ETHIOPIC NUMBER TWENTY
1374	፴	ETHIOPIC NUMBER THIRTY
1375	፵	ETHIOPIC NUMBER FORTY
1376	፶	ETHIOPIC NUMBER FIFTY
1377	፷	ETHIOPIC NUMBER SIXTY
1378	፸	ETHIOPIC NUMBER SEVENTY
1379	፹	ETHIOPIC NUMBER EIGHTY
137A	፺	ETHIOPIC NUMBER NINETY
137B	፻	ETHIOPIC NUMBER HUNDRED
137C	፼	ETHIOPIC NUMBER TEN THOUSAND



1DC0

## Combining Diacritical Marks Supplement

1DFF

**Used for Ancient Greek**

*These are used as editorial signs for Ancient Greek to indicate scribal deletion of erroneous accent marks.*

- 1DC0 ₋ COMBINING DOTTED GRAVE ACCENT  
→ 1FED “ greek dialytika and varia  
1DC1 ₋ COMBINING DOTTED ACUTE ACCENT  
→ 0344 ₋ combining greek dialytika tonos  
→ 1FEE “ greek dialytika and oxia

**Miscellaneous marks**

- 1DC2 ₋ COMBINING SNAKE BELOW  
1DC3 ₋ COMBINING SUSPENSION MARK  
• Glagolitic  
→ 0306 ₋ combining breve

**Contour tone marks**

- 1DC4 ₋ COMBINING MACRON-ACUTE  
1DC5 ₋ COMBINING GRAVE-MACRON  
1DC6 ₋ COMBINING MACRON-GRAVE  
1DC7 ₋ COMBINING ACUTE-MACRON  
1DC8 ₋ COMBINING GRAVE-ACUTE-GRAVE  
1DC9 ₋ COMBINING ACUTE-GRAVE-ACUTE

**Miscellaneous mark**

- 1DCA ₋ COMBINING LATIN SMALL LETTER R BELOW

**Contour tone marks**

- 1DCB ₋ COMBINING BREVE-MACRON  
• Lithuanian dialectology  
1DCC ₋ COMBINING MACRON-BREVE  
• Lithuanian dialectology

**Double diacritic**

- 1DCD ₋ COMBINING DOUBLE CIRCUMFLEX ABOVE

**Medievalist additions**

- 1DCE ₋ COMBINING OGONEK ABOVE  
1DCF ₋ COMBINING ZIGZAG BELOW  
1DD0 ₋ COMBINING IS BELOW  
1DD1 ₋ COMBINING UR ABOVE  
1DD2 ₋ COMBINING US ABOVE

**Medieval superscript letter diacritics**

- 1DD3 ₋ COMBINING LATIN SMALL LETTER FLATTENED OPEN A ABOVE  
1DD4 ₋ COMBINING LATIN SMALL LETTER AE  
1DD5 ₋ COMBINING LATIN SMALL LETTER AO  
1DD6 ₋ COMBINING LATIN SMALL LETTER AV  
1DD7 ₋ COMBINING LATIN SMALL LETTER C CEDILLA  
1DD8 ₋ COMBINING LATIN SMALL LETTER INSULAR D  
1DD9 ₋ COMBINING LATIN SMALL LETTER ETH  
1DDA ₋ COMBINING LATIN SMALL LETTER G  
1DDB ₋ COMBINING LATIN LETTER SMALL CAPITAL G  
1DDC ₋ COMBINING LATIN SMALL LETTER K  
1DDD ₋ COMBINING LATIN SMALL LETTER L  
1DDE ₋ COMBINING LATIN LETTER SMALL CAPITAL L  
1DDF ₋ COMBINING LATIN LETTER SMALL CAPITAL M  
1DE0 ₋ COMBINING LATIN SMALL LETTER N  
1DE1 ₋ COMBINING LATIN LETTER SMALL CAPITAL N  
1DE2 ₋ COMBINING LATIN LETTER SMALL CAPITAL R  
1DE3 ₋ COMBINING LATIN SMALL LETTER R ROTUNDA  
1DE4 ₋ COMBINING LATIN SMALL LETTER S

- 1DE5 ₋ COMBINING LATIN SMALL LETTER LONG S

- 1DE6 ₋ COMBINING LATIN SMALL LETTER Z

**Additional mark for UPA**

- 1DFC ₋ COMBINING DOUBLE INVERTED BREVE BELOW

**Miscellaneous mark**

- 1DFD ₋ COMBINING ALMOST EQUAL TO BELOW

**Additional marks for UPA**

- 1DFE ₋ COMBINING LEFT ARROWHEAD ABOVE

- 1DFF ₋ COMBINING RIGHT ARROWHEAD AND DOWN ARROWHEAD BELOW

230	231	232	233	234	235	236	237	238	239	23A	23B	23C	23D	23E	23F
Ø 2300	⊍ 2310	ſ 2320	">// 2330	† 2340	↑↑ 2350	[:] 2360	? 2370	ⓘ 2380	◊ 2390	Ј 23A0	Ј 23B0	∅ 23C0	 23D0	 23E0	⌚ 23F0
⚡ 2301	□ 2311	J 2321	⊕→ 2331	□ 2341	— 2351	— 2361	— 2371	ⓘ 2381	ⓘ 2391	— 23A1	— 23B1	∅ 23C1	⌚ 23D1	⌚ 23E1	⌚ 23F1
◊ 2302	◊ 2312	— 2322	►► 2332	◊ 2342	◊ 2352	◊ 2362	◊ 2372	ⓘ 2382	ⓘ 2392	— 23A2	— 23B2	◊ 23C2	⌚ 23D2	⌚ 23E2	⌚ 23F2
^K 2303	Δ 2313	— 2323	►► 2333	◊ 2343	◊ 2353	★ 2363	l 2373	ⓘ 2383	ⓘ 2393	— 23A3	— 23B3	◊ 23C3	⌚ 23D3	⌚ 23E3	⌚ 23F3
V 2304	◊ 2314	↖↖ 2324	— 2334	◊ 2344	◊ 2354	ö 2364	ρ 2374	ⓘ 2384	◊ 2394	— 23A4	— 23B4	◊ 23C4	⌚ 23D4	— 23E4	
Λ 2305	◊ 2315	↖↖ 2325	∨ 2335	+	Φ 2355	Ö 2365	ω 2375	◊ 2385	◊ 2395	— 23A5	— 23B5	◊ 23C5	⌚ 23D5	⌚ 23E5	
≡ 2306	⊕ 2316	⊗ 2326	— 2336	+	+	ψ 2366	α 2376	⇒ 2386	▶ 2396	— 23A6	— 23B6	◊ 23C6	⌚ 23D6	⌚ 23E6	
⌘ 2307	# 2317	⊗ 2327	— 2337	— 2347	— 2357	₡ 2367	€ 2377	↗ 2387	↗ 2397	— 23A7	— 23B7	◊ 23C7	⌚ 23D7	⌚ 23E7	
Γ 2308	⌘ 2318	⌨ 2328	— 2338	— 2348	— 2358	‘ 2368	ⓘ 2378	⚡ 2388	⚡ 2398	— 23A8	— 23B8	◊ 23C8	⌚ 23D8	⌚ 23E8	
˥ 2309	— 2319	— 2329	— 2339	— 2349	— 2359	— 2369	— 2379	ⓘ 2389	ⓘ 2399	— 23A9	— 23B9	— 23C9	— 23D9	▶▶ 23E9	
L 230A	⌚ 231A	⌚ 232A	⌚ 233A	⌚ 234A	⌚ 235A	⌚ 236A	⌚ 237A	⌚ 238A	⌚ 239A	— 23AA	— 23BA	— 23CA	— 23DA	◀◀ 23EA	
MILF 230B	⌚ 231B	⊗ 232B	⌚ 233B	⌚ 234B	⌚ 235B	⌚ 236B	⌚ 237B	⌚ 238B	⌚ 239B	— 23AB	— 23BB	⌚ 23CB	⌚ 23DB	⌚ 23EB	
MILF 230C	— 231C	⌚ 232C	⌚ 233C	⌚ 234C	⌚ 235C	⌚ 236C	⌚ 237C	⌚ 238C	⌚ 239C	— 23AC	— 23BC	⌚ 23CC	⌚ 23DC	⌚ 23EC	
MILF 230D	— 231D	⌚ 232D	⌚ 233D	⌚ 234D	⌚ 235D	⌚ 236D	⌚ 237D	⌚ 238D	⌚ 239D	— 23AD	— 23BD	⌚ 23CD	⌚ 23DD	▶▶ 23ED	
MILF 230E	— 231E	⌚ 232E	⌚ 233E	⌚ 234E	⌚ 235E	⌚ 236E	⌚ 237E	⌚ 238E	⌚ 239E	— 23AE	— 23BE	⌚ 23CE	⌚ 23DE	◀◀ 23EE	
MILF 230F	— 231F	— 232F	— 233F	— 234F	⌚ 235F	⌚ 236F	⌚ 237F	⌚ 238F	⌚ 239F	— 23AF	— 23BF	⌚ 23CF	⌚ 23DF	▶▶ 23EF	

2300

## Miscellaneous Technical

2329

**Miscellaneous technical**

- 2300 Ⓛ DIAMETER SIGN  
→ 2205 Ⓛ empty set
- 2301 ↘ ELECTRIC ARROW  
• from ISO 2047  
• symbol for End of Transmission
- 2302 Ⓜ HOUSE
- 2303 Ⓝ UP ARROWHEAD  
→ 005E ^ circumflex accent  
→ 02C4 ^ modifier letter up arrowhead  
→ 2038 ^ caret  
→ 2227 ^ logical and
- 2304 ↙ DOWN ARROWHEAD  
→ 02C5 V modifier letter down arrowhead  
→ 2228 V logical or  
→ 2335 ↘ countersink
- 2305 ⌂ PROJECTIVE  
→ 22BC ⌂ nand
- 2306 ⌃ PERSPECTIVE
- 2307 ⌄ WAVY LINE  
→ 3030 ~ wavy dash

**Ceilings and floors**

*These characters are tall and narrow mathematical delimiters, in contrast to the quine corners or half brackets. They are also distinct from CJK corner brackets, which are wide quotation marks.*

- 2308 ⌂ LEFT CEILING  
= APL upstile  
→ 2E22 ⌂ top left half bracket  
→ 300C ⌂ left corner bracket
- 2309 ⌃ RIGHT CEILING  
→ 20E7 ⌃ combining annuity symbol  
→ 2E23 ⌃ top right half bracket
- 230A ⌄ LEFT FLOOR  
= APL downstile  
→ 2E24 ⌄ bottom left half bracket
- 230B ⌅ RIGHT FLOOR  
→ 300D ⌅ right corner bracket  
→ 2E25 ⌅ bottom right half bracket

**Crops**

- 230C ⌂ BOTTOM RIGHT CROP  
• set of four “crop” corners, arranged facing outward
- 230D ⌂ BOTTOM LEFT CROP
- 230E ⌂ TOP RIGHT CROP
- 230F ⌂ TOP LEFT CROP

**Miscellaneous technical**

- 2310 ⌂ REVERSED NOT SIGN  
= beginning of line  
→ 00AC ⌂ not sign
- 2311 ⌂ SQUARE LOZENGE  
= Kissen (pillow)  
• used as a command delimiter in some very old computers
- 2312 ⌂ ARC  
→ 25E0 ⌂ upper half circle
- 2313 ⌂ SEGMENT

2314 ⌂ SECTOR

- 2315 ⌂ TELEPHONE RECORDER
- 2316 ⌂ POSITION INDICATOR
- 2317 ⌂ VIEWDATA SQUARE  
→ 22D5 ⌂ equal and parallel to
- 2318 ⌂ PLACE OF INTEREST SIGN  
= command key (1.0)
- 2319 ⌂ TURNED NOT SIGN  
= line marker

**GUI icons**

- 231A ⌂ WATCH
- 231B ⌂ HOURGLASS

**Quine corners**

*These form a set of four quine corners, for quincuncial arrangement. They are also used in upper and lower pairs in mathematic, or more rarely in editorial usage as alternatives to half brackets.*

- 231C ⌂ TOP LEFT CORNER  
→ 2E00 ⌂ right angle substitution marker  
→ 2E22 ⌂ top left half bracket
- 231D ⌂ TOP RIGHT CORNER
- 231E ⌂ BOTTOM LEFT CORNER
- 231F ⌂ BOTTOM RIGHT CORNER

**Integral pieces**

- 2320 ⌂ TOP HALF INTEGRAL  
→ 23AE ⌂ integral extension
- 2321 ⌂ BOTTOM HALF INTEGRAL

**Frown and smile**

- 2322 ⌂ FROWN  
→ 2040 ⌂ character tie
- 2323 ⌂ SMILE  
→ 203F ⌂ undertie

**Keyboard symbols**

- 2324 ⌂ UP ARROWHEAD BETWEEN TWO HORIZONTAL BARS  
= enter key
- 2325 ⌂ OPTION KEY
- 2326 ⌂ ERASE TO THE RIGHT  
= delete to the right key
- 2327 ⌂ X IN A RECTANGLE BOX  
= clear key
- 2328 ⌂ KEYBOARD

**Deprecated angle brackets**

*These characters are deprecated and are strongly discouraged for mathematical use because of their canonical equivalence to CJK punctuation.*

- 2329 ⌂ LEFT-POINTING ANGLE BRACKET  
→ 003C < less-than sign  
→ 2039 ⌂ single left-pointing angle quotation mark  
→ 27E8 ⌂ mathematical left angle bracket  
≡ 3008 ⌂ left angle bracket

232A

## Miscellaneous Technical

2368

- 232A > RIGHT-POINTING ANGLE BRACKET  
 → 003E > greater-than sign  
 → 203A > single right-pointing angle quotation mark  
 → 27E9 > mathematical right angle bracket  
 ≡ 3009 > right angle bracket

**Keyboard symbol**

- 232B ☺ ERASE TO THE LEFT  
 = delete to the left key

**Chemistry symbol**

- 232C ☷ BENZENE RING

**Drafting symbols**

- 232D ☸ CYLINDRICITY  
 232E ☹ ALL AROUND-PROFILE  
 232F ☻ SYMMETRY  
 2330 ☻ TOTAL RUNOUT  
 2331 ☺ DIMENSION ORIGIN  
 2332 ☻ CONICAL TAPER  
 2333 ☻ SLOPE  
 → 25FA ☲ lower left triangle  
 2334 ☻ COUNTERBORE  
 → 2423 ☻ open box  
 2335 ☻ COUNTERSINK  
 → 2304 ☻ down arrowhead

**APL**

- 2336 ☻ APL FUNCTIONAL SYMBOL I-BEAM  
 2337 ☻ APL FUNCTIONAL SYMBOL SQUISH QUAD  
 → 2395 ☻ apl functional symbol quad  
 → 25AF ☻ white vertical rectangle  
 → 2AFF ☻ n-ary white vertical bar  
 2338 ☻ APL FUNCTIONAL SYMBOL QUAD EQUAL  
 2339 ☻ APL FUNCTIONAL SYMBOL QUAD DIVIDE  
 233A ☻ APL FUNCTIONAL SYMBOL QUAD DIAMOND  
 → 26CB ☻ white diamond in square  
 233B ☻ APL FUNCTIONAL SYMBOL QUAD JOT  
 → 29C7 ☻ squared small circle  
 233C ☻ APL FUNCTIONAL SYMBOL QUAD CIRCLE  
 233D ☻ APL FUNCTIONAL SYMBOL CIRCLE STILE  
 233E ☻ APL FUNCTIONAL SYMBOL CIRCLE JOT  
 → 229A ☻ circled ring operator  
 → 29BE ☻ circled white bullet  
 233F ☻ APL FUNCTIONAL SYMBOL SLASH BAR  
 → 1019A ☻ roman as sign  
 2340 ☻ APL FUNCTIONAL SYMBOL BACKSLASH BAR  
 → 29F7 ☻ reverse solidus with horizontal stroke  
 2341 ☻ APL FUNCTIONAL SYMBOL QUAD SLASH  
 → 29C4 ☻ squared rising diagonal slash  
 2342 ☻ APL FUNCTIONAL SYMBOL QUAD BACKSLASH  
 → 29C5 ☻ squared falling diagonal slash  
 2343 ☻ APL FUNCTIONAL SYMBOL QUAD LESS-THAN  
 2344 ☻ APL FUNCTIONAL SYMBOL QUAD GREATER-THAN  
 2345 ☻ APL FUNCTIONAL SYMBOL LEFTWARDS VANE  
 2346 ☻ APL FUNCTIONAL SYMBOL RIGHTWARDS VANE  
 2347 ☻ APL FUNCTIONAL SYMBOL QUAD LEFTWARDS ARROW

- 2348 ☻ APL FUNCTIONAL SYMBOL QUAD  
 RIGHTWARDS ARROW  
 2349 ☻ APL FUNCTIONAL SYMBOL CIRCLE BACKSLASH  
 → 29B0 ☻ reversed empty set  
 234A ☻ APL FUNCTIONAL SYMBOL DOWN TACK  
 UNDERBAR  
 = up tack underbar  
 • preferred naming for APL tack symbols now follows the London Convention in ISO/IEC 13751:2000 (APL Extended)  
 → 22A5 ☻ up tack  
 234B ☻ APL FUNCTIONAL SYMBOL DELTA STILE  
 234C ☻ APL FUNCTIONAL SYMBOL QUAD DOWN CARET  
 234D ☻ APL FUNCTIONAL SYMBOL QUAD DELTA  
 234E ☻ APL FUNCTIONAL SYMBOL DOWN TACK JOT  
 = up tack jot  
 → 22A5 ☻ up tack  
 234F ☻ APL FUNCTIONAL SYMBOL UPWARDS VANE  
 2350 ☻ APL FUNCTIONAL SYMBOL QUAD UPWARDS ARROW  
 2351 ☻ APL FUNCTIONAL SYMBOL UP TACK OVERBAR  
 = down tack overbar  
 → 22A4 ☻ down tack  
 → 3012 ☻ postal mark  
 2352 ☻ APL FUNCTIONAL SYMBOL DEL STILE  
 2353 ☻ APL FUNCTIONAL SYMBOL QUAD UP CARET  
 2354 ☻ APL FUNCTIONAL SYMBOL QUAD DEL  
 2355 ☻ APL FUNCTIONAL SYMBOL UP TACK JOT  
 = down tack jot  
 → 22A4 ☻ down tack  
 2356 ☻ APL FUNCTIONAL SYMBOL DOWNTWARDS VANE  
 2357 ☻ APL FUNCTIONAL SYMBOL QUAD DOWNTWARDS ARROW  
 2358 ☻ APL FUNCTIONAL SYMBOL QUOTE UNDERBAR  
 2359 ☻ APL FUNCTIONAL SYMBOL DELTA UNDERBAR  
 235A ☻ APL FUNCTIONAL SYMBOL DIAMOND UNDERBAR  
 235B ☻ APL FUNCTIONAL SYMBOL JOT UNDERBAR  
 235C ☻ APL FUNCTIONAL SYMBOL CIRCLE UNDERBAR  
 235D ☻ APL FUNCTIONAL SYMBOL UP SHOE JOT  
 → 2A40 ☻ intersection with dot  
 235E ☻ APL FUNCTIONAL SYMBOL QUOTE QUAD  
 235F ☻ APL FUNCTIONAL SYMBOL CIRCLE STAR  
 → 229B ☻ circled asterisk operator  
 2360 ☻ APL FUNCTIONAL SYMBOL QUAD COLON  
 2361 ☻ APL FUNCTIONAL SYMBOL UP TACK DIAERESIS  
 = down tack diaeresis  
 → 22A4 ☻ down tack  
 2362 ☻ APL FUNCTIONAL SYMBOL DEL DIAERESIS  
 2363 ☻ APL FUNCTIONAL SYMBOL STAR DIAERESIS  
 2364 ☻ APL FUNCTIONAL SYMBOL JOT DIAERESIS  
 = hoot  
 2365 ☻ Ö APL FUNCTIONAL SYMBOL CIRCLE DIAERESIS  
 = holler  
 2366 ☻ APL FUNCTIONAL SYMBOL DOWN SHOE STILE  
 2367 ☻ APL FUNCTIONAL SYMBOL LEFT SHOE STILE  
 2368 ☻ APL FUNCTIONAL SYMBOL TILDE DIAERESIS  
 = smirk

2369

## Miscellaneous Technical

23B2

- 2369 ➤ APL FUNCTIONAL SYMBOL GREATER-THAN  
DIAERESIS
- 236A ₋ APL FUNCTIONAL SYMBOL COMMA BAR
- 236B ₌ APL FUNCTIONAL SYMBOL DEL TILDE
- 236C ₍ APL FUNCTIONAL SYMBOL ZILDE
- 236D ₎ APL FUNCTIONAL SYMBOL STILE TILDE
- 236E ₏ APL FUNCTIONAL SYMBOL SEMICOLON  
UNDERBAR
- 236F ₐ APL FUNCTIONAL SYMBOL QUAD NOT EQUAL
- 2370 ₑ APL FUNCTIONAL SYMBOL QUAD QUESTION
- 2371 ₓ APL FUNCTIONAL SYMBOL DOWN CARET TILDE
- 2372 ₔ APL FUNCTIONAL SYMBOL UP CARET TILDE
- 2373 ₕ APL FUNCTIONAL SYMBOL IOTA
- 2374 ₖ APL FUNCTIONAL SYMBOL RHO
- 2375 ₗ APL FUNCTIONAL SYMBOL OMEGA
- 2376 ₘ APL FUNCTIONAL SYMBOL ALPHA UNDERBAR
- 2377 ₙ APL FUNCTIONAL SYMBOL EPSILON  
UNDERBAR
- 2378 ₚ APL FUNCTIONAL SYMBOL IOTA UNDERBAR
- 2379 ₛ APL FUNCTIONAL SYMBOL OMEGA UNDERBAR
- 237A ₜ APL FUNCTIONAL SYMBOL ALPHA

**Graphics for control codes**

- 237B ✕ NOT CHECK MARK
- from ISO 2047
  - symbol for Negative Acknowledge

**Miscellaneous technical**

- 237C ₥ RIGHT ANGLE WITH DOWNTWARDS ZIGZAG  
ARROW

**Graphics for control codes**

- 237D ₦ SHOULDERED OPEN BOX
- from ISO 9995-7
  - keyboard symbol for No Break Space
- 2423 ₦ open box
- 237E ₧ BELL SYMBOL
- from ISO 2047
- 237F ₨ VERTICAL LINE WITH MIDDLE DOT
- from ISO 2047
  - symbol for End of Medium

**Keyboard symbols from ISO 9995-7**

- 2380 ₠ INSERTION SYMBOL
- 2381 ₡ CONTINUOUS UNDERLINE SYMBOL
- 2382 ₢ DISCONTINUOUS UNDERLINE SYMBOL
- 2383 ₣ EMPHASIS SYMBOL
- 2384 ₤ COMPOSITION SYMBOL
- 2385 ₥ WHITE SQUARE WITH CENTRE VERTICAL LINE  
= center
- 2386 ₦ ENTER SYMBOL
- 2387 ₧ ALTERNATIVE KEY SYMBOL
- 2388 ₩ HELM SYMBOL  
= control  
→ 2638 ₩ wheel of dharma
- 2389 ₪ CIRCLED HORIZONTAL BAR WITH NOTCH  
= pause
- 238A ₫ CIRCLED TRIANGLE DOWN  
= interrupt, break
- 238B € BROKEN CIRCLE WITH NORTHWEST ARROW  
= escape
- 238C ₮ UNDO SYMBOL

**Electrotechnical symbols from IR 181**

- 238D ₦ MONOSTABLE SYMBOL
- 238E ₧ HYSTERESIS SYMBOL
- 238F ₨ OPEN-CIRCUIT-OUTPUT H-TYPE SYMBOL
- 2390 ₩ OPEN-CIRCUIT-OUTPUT L-TYPE SYMBOL
- 2391 ₪ PASSIVE-PULL-DOWN-OUTPUT SYMBOL
- 2392 ₫ PASSIVE-PULL-UP-OUTPUT SYMBOL
- 2393 ₭ DIRECT CURRENT SYMBOL FORM TWO
- 2394 ₮ SOFTWARE-FUNCTION SYMBOL

**APL**

- 2395 ₰ APL FUNCTIONAL SYMBOL QUAD
- 2337 ₰ apl functional symbol squish quad
- 25AF ₰ white vertical rectangle

**Keyboard symbols from ISO 9995-7**

- 2396 ₷ DECIMAL SEPARATOR KEY SYMBOL
- 2397 ₸ PREVIOUS PAGE
- 2398 ₹ NEXT PAGE
- 2399 ₻ PRINT SCREEN SYMBOL
- 239A ₼ CLEAR SCREEN SYMBOL

→ 20E2 ₼ combining enclosing screen

**Bracket pieces**

- 239B ₯ LEFT PARENTHESIS UPPER HOOK
- 239C ₯ LEFT PARENTHESIS EXTENSION
- 239D ₯ LEFT PARENTHESIS LOWER HOOK
- 239E ₯ RIGHT PARENTHESIS UPPER HOOK
- 239F ₯ RIGHT PARENTHESIS EXTENSION
- 23A0 ₯ RIGHT PARENTHESIS LOWER HOOK
- 23A1 ₯ LEFT SQUARE BRACKET UPPER CORNER
- 23A2 ₯ LEFT SQUARE BRACKET EXTENSION
- 23A3 ₯ LEFT SQUARE BRACKET LOWER CORNER
- 23A4 ₯ RIGHT SQUARE BRACKET UPPER CORNER
- 23A5 ₯ RIGHT SQUARE BRACKET EXTENSION
- 23A6 ₯ RIGHT SQUARE BRACKET LOWER CORNER
- 23A7 ₯ LEFT CURLY BRACKET UPPER HOOK
- 23A8 ₯ LEFT CURLY BRACKET MIDDLE PIECE
- 23A9 ₯ LEFT CURLY BRACKET LOWER HOOK
- 23AA ₯ CURLY BRACKET EXTENSION
- 23AB ₯ RIGHT CURLY BRACKET UPPER HOOK
- 23AC ₯ RIGHT CURLY BRACKET MIDDLE PIECE
- 23AD ₯ RIGHT CURLY BRACKET LOWER HOOK

**Special character extensions**

- 23AE ₯ INTEGRAL EXTENSION
- 2320 ₯ top half integral
- 2321 ₯ bottom half integral
- 23AF ₯ HORIZONTAL LINE EXTENSION
- used for extension of arrows
- 23D0 ₯ vertical line extension

**Bracket pieces**

- 23B0 ₯ UPPER LEFT OR LOWER RIGHT CURLY BRACKET  
SECTION  
= left moustache
- 23B1 ₯ UPPER RIGHT OR LOWER LEFT CURLY BRACKET  
SECTION  
= right moustache

**Summation sign parts**

- 23B2 ₯ SUMMATION TOP

23B3

## Miscellaneous Technical

23DF

23B3  SUMMATION BOTTOM  
→ 2211  $\sum$ , n-ary summation

## Horizontal brackets

*These characters are also used as delimiters of vertical text in non-CJK terminal emulation.*

- 23B4 └ TOP SQUARE BRACKET
  - FE47 └ presentation form for vertical left square bracket
- 23B5 └ BOTTOM SQUARE BRACKET
  - FE48 └ presentation form for vertical right square bracket
- 23B6 ═ BOTTOM SQUARE BRACKET OVER TOP SQUARE BRACKET
  - only used for terminal emulation

## Terminal graphic characters

23B7 ↓ RADICAL SYMBOL BOTTOM  
23B8 | LEFT VERTICAL BOX LINE  
23B9 | RIGHT VERTICAL BOX LINE

## Scan lines for terminal graphics

*The scan line numbers here refer to old, low-resolution technology for terminals, with only 9 scan lines per fixed-size character glyph. Even-numbered scan lines are unified with box-drawing graphics.*

- 23BA - HORIZONTAL SCAN LINE-1
- 23BB - HORIZONTAL SCAN LINE-3
- 23BC - HORIZONTAL SCAN LINE-7
- 23BD - HORIZONTAL SCAN LINE-9

## Dentistry notation symbols

23BE ⌈ DENTISTRY SYMBOL LIGHT VERTICAL AND TOP  
RIGHT  
→ 2308 ⌈ left ceiling

23BF ⌋ DENTISTRY SYMBOL LIGHT VERTICAL AND  
BOTTOM RIGHT  
→ 230A ⌋ left floor

23C0 ⌈ DENTISTRY SYMBOL LIGHT VERTICAL WITH  
CIRCLE

23C1 ⌉ DENTISTRY SYMBOL LIGHT DOWN AND  
HORIZONTAL WITH CIRCLE

23C2 ⌊ DENTISTRY SYMBOL LIGHT UP AND  
HORIZONTAL WITH CIRCLE

23C3 ⌈ DENTISTRY SYMBOL LIGHT VERTICAL WITH  
TRIANGLE

23C4 ⌉ DENTISTRY SYMBOL LIGHT DOWN AND  
HORIZONTAL WITH TRIANGLE

23C5 ⌈ DENTISTRY SYMBOL LIGHT UP AND  
HORIZONTAL WITH TRIANGLE

23C6 ⌈ DENTISTRY SYMBOL LIGHT VERTICAL AND  
WAVE

23C7 ⌉ DENTISTRY SYMBOL LIGHT DOWN AND  
HORIZONTAL WITH WAVE

23C8 ⌈ DENTISTRY SYMBOL LIGHT UP AND  
HORIZONTAL WITH WAVE

23C9 ⌉ DENTISTRY SYMBOL LIGHT DOWN AND  
HORIZONTAL  
→ 22A4 ⌉ down tack  
→ 252C ⌉ box drawings light down and  
horizontal

- 23CA  $\perp$  DENTISTRY SYMBOL LIGHT UP AND HORIZONTAL
  - $\rightarrow$  22A5  $\perp$  up tack
  - $\rightarrow$  2534  $\perp$  box drawings light up and horizontal
- 23CB  $\lceil$  DENTISTRY SYMBOL LIGHT VERTICAL AND TOP LEFT
  - $\rightarrow$  2309  $\lceil$  right ceiling
- 23CC  $\lfloor$  DENTISTRY SYMBOL LIGHT VERTICAL AND BOTTOM LEFT
  - $\rightarrow$  230B  $\lfloor$  right floor

## Miscellaneous technical

23CD  SQUARE FOOT

## Keyboard and UI symbols

23CE ↩	<b>RETURN SYMBOL</b>
	<ul style="list-style-type: none"><li>• may be shown with either hollow or filled glyph</li></ul>
	→ 21B5 ↴ downwards arrow with corner leftwards
23CF 🔍	<b>EJECT SYMBOL</b>
	<ul style="list-style-type: none"><li>• UI symbol to eject media</li></ul>

## Special character extension

23D0 | VERTICAL LINE EXTENSION  
• used for extension of arrows  
→ 23AF – horizontal line extension

## Metrical symbols

23D1	⊸	METRICAL BREVE
23D2	⊸	METRICAL LONG OVER SHORT
23D3	⊲	METRICAL SHORT OVER LONG
23D4	⊸⊲	METRICAL LONG OVER TWO SHORTS
23D5	⊲⊲	METRICAL TWO SHORTS OVER LONG
23D6	⊲⊲	METRICAL TWO SHORTS JOINED
23D7	⊲⊲⊲	METRICAL TRISEME
	→ 1D242	⊸ combining greek musical triseme
23D8	⊲⊲	METRICAL TETRASEME
	→ 1D243	⊲⊲⊲ combining greek musical tetraseme
23D9	⊲⊲⊲	METRICAL PENTASEME
	→ 1D244	⊲⊲⊲⊲⊲ combining greek musical pentaseme

## Electrotechnical symbols

23DA    EARTH GROUND  
23DB    FUSE

## Horizontal brackets

*These are intended for bracketing terms of mathematical expressions where their glyph extends to accommodate the width of the bracketed expression*

- 23DC ↗ TOP PARENTHESIS
  - FE35 ↗ presentation form for vertical left parenthesis
- 23DD ↗ BOTTOM PARENTHESIS
  - FE36 ↗ presentation form for vertical right parenthesis
- 23DE ↗ TOP CURLY BRACKET
  - FE37 ↗ presentation form for vertical left curly bracket
- 23DF ↗ BOTTOM CURLY BRACKET
  - FE38 ↗ presentation form for vertical right curly bracket

23E0

**Miscellaneous Technical**

23F3

- 23E0 ⌍ TOP TORTOISE SHELL BRACKET  
   → FE39 ⌍ presentation form for vertical left  
     tortoise shell bracket
- 23E1 ⌎ BOTTOM TORTOISE SHELL BRACKET  
   → FE3A ⌎ presentation form for vertical right  
     tortoise shell bracket

**Miscellaneous technical**

23E2 □ WHITE TRAPEZIUM

**Chemistry symbol**

23E3 ◈ BENZENE RING WITH CIRCLE

**Miscellaneous technical**

- 23E4 — STRAIGHTNESS
- 23E5 ▱ FLATNESS
- 23E6 ≈ AC CURRENT
- 23E7 ✕ ELECTRICAL INTERSECTION
- 23E8 <sub>10</sub> DECIMAL EXPONENT SYMBOL  
   • Algol-60 token for scientific notation literals

**User interface symbols**

- 23E9 ►► BLACK RIGHT-POINTING DOUBLE TRIANGLE  
   = fast forward  
   = e-AFE
- 23EA << BLACK LEFT-POINTING DOUBLE TRIANGLE  
   = fast rewind  
   = e-AFF
- 23EB ▲ BLACK UP-POINTING DOUBLE TRIANGLE  
   = e-B03
- 23EC ▼ BLACK DOWN-POINTING DOUBLE TRIANGLE  
   = e-B02
- 23ED ►► BLACK RIGHT-POINTING DOUBLE TRIANGLE  
   WITH VERTICAL BAR
- 23EE << BLACK LEFT-POINTING DOUBLE TRIANGLE  
   WITH VERTICAL BAR
- 23EF ►► BLACK RIGHT-POINTING TRIANGLE WITH  
   DOUBLE VERTICAL BAR
- 23F0 ☺ ALARM CLOCK  
   = e-02A
- 23F1 ☻ STOPWATCH
- 23F2 ☻ TIMER CLOCK
- 23F3 ☻ HOURGLASS WITH FLOWING SAND  
   → 231B ☻ hourglass  
   = e-01B

260	261	262	263	264	265	266	267	268	269	26A	26B	26C	26D	26E	26F
0 2600	2610	2620	2630	2640	2650	2660	2670	2680	2690	26A0	26B0	26C0	26D0	26E0	26F0
1 2601	2611	2621	2631	2641	2651	2661	2671	2681	2691	26A1	26B1	26C1	26D1	26E1	26F1
2 2602	2612	2622	2632	2642	2652	2662	2672	2682	2692	26A2	26B2	26C2	26D2		26F2
3 2603	2613	2623	2633	2643	2653	2663	2673	2683	2693	26A3	26B3	26C3	26D3	26E3	26F3
4 2604	2614	2624	2634	2644	2654	2664	2674	2684	2694	26A4	26B4	26C4	26D4		26F4
5 2605	2615	2625	2635	2645	2655	2665	2675	2685	2695	26A5	26B5	26C5	26D5		26F5
6 2606	2616	2626	2636	2646	2656	2666	2676	2686	2696	26A6	26B6	26C6	26D6		26F6
7 2607	2617	2627	2637	2647	2657	2667	2677	2687	2697	26A7	26B7	26C7	26D7		26F7
8 2608	2618	2628	2638	2648	2658	2668	2678	2688	2698	26A8	26B8	26C8	26D8	26E8	26F8
9 2609	2619	2629	2639	2649	2659	2669	2679	2689	2699	26A9	26B9	26C9	26D9	26E9	26F9
A 260A	261A	262A	263A	264A	265A	266A	267A	268A	269A	26AA	26BA	26CA	26DA	26EA	26FA
B 260B	261B	262B	263B	264B	265B	266B	267B	268B	269B	26AB	26BB	26CB	26DB	26EB	26FB
C 260C	261C	262C	263C	264C	265C	266C	267C	268C	269C	26AC	26BC	26CC	26DC	26EC	26FC
D 260D	261D	262D	263D	264D	265D	266D	267D	268D	269D	26AD	26BD	26CD	26DD	26ED	26FD
E 260E	261E	262E	263E	264E	265E	266E	267E	268E	269E	26AE	26BE	26CE	26DE	26EE	26FE
F 260F	261F	262F	263F	264F	265F	266F	267F	268F	269F	26AF	26BF	26CF	26DF	26EF	26FF

**Weather and astrological symbols**

- 2600 \* BLACK SUN WITH RAYS  
= clear weather  
→ 2609 ☀ sun
- 2601 ☁ CLOUD  
= cloudy weather
- 2602 ☂ UMBRELLA  
= rainy weather
- 2603 ☃ SNOWMAN  
= snowy weather
- 2604 ☄ COMET
- 2605 ★ BLACK STAR  
→ 22C6 \* star operator
- 2606 ☆ WHITE STAR  
→ 2729 ☆ stress outlined white star
- 2607 ⚡ LIGHTNING
- 2608 ⚠ THUNDERSTORM
- 2609 ☀ SUN  
→ 2299 ☀ circled dot operator  
→ 2600 \* black sun with rays  
→ 263C ☀ white sun with rays
- 260A ☈ ASCENDING NODE
- 260B ☉ DESCENDING NODE
- 260C ☊ CONJUNCTION
- 260D ☋ OPPOSITION

**Miscellaneous symbols**

- 260E ☎ BLACK TELEPHONE  
→ 2121 ☎ telephone sign  
→ 2706 ☎ telephone location sign
- 260F ☎ WHITE TELEPHONE
- 2610 ☐ BALLOT BOX  
→ 25A1 ☐ white square
- 2611 ☑ BALLOT BOX WITH CHECK
- 2612 ☒ BALLOT BOX WITH X  
→ 22A0 ☒ squared times
- 2613 X SALTIRE  
= St. Andrew's Cross  
→ 2717 X ballot x

**Weather symbol**

- 2614 ☂ UMBRELLA WITH RAIN DROPS  
= showery weather

**Miscellaneous symbol**

- 2615 ☕ HOT BEVERAGE  
= tea or coffee, depending on locale  
• can be used to indicate a wait  
→ 231A ☕ watch  
→ 231B ☰ hourglass

**Japanese chess symbols**

- 2616 ☧ WHITE SHOGI PIECE
- 2617 ☨ BLACK SHOGI PIECE

**Miscellaneous symbols**

- 2618 ☩ SHAMROCK
- 2619 ☪ REVERSED ROTATED FLORAL HEART BULLET  
• a binding signature mark  
→ 2767 ☪ rotated floral heart bullet

**Pointing hand symbols**

- 261A ☤ BLACK LEFT POINTING INDEX
- 261B ☥ BLACK RIGHT POINTING INDEX
- 261C ☦ WHITE LEFT POINTING INDEX
- 261D ☧ WHITE UP POINTING INDEX
- 261E ☨ WHITE RIGHT POINTING INDEX  
= fist (typographic term)
- 261F ☩ WHITE DOWN POINTING INDEX

**Warning signs**

- 2620 ☠ SKULL AND CROSSBONES  
= poison
- 2621 ☡ CAUTION SIGN
- 2622 ☢ RADIOACTIVE SIGN
- 2623 ☣ BIOHAZARD SIGN

**Medical and healing symbols**

- 2624 ☤ CADUCEUS  
→ 2695 ☤ staff of aesculapius
- 2625 ☦ ANKH

**Religious and political symbols**

- 2626 ☩ ORTHODOX CROSS
- 2627 ☪ CHI RHO  
= Constantine's cross, Christogram  
→ 2CE9 ☪ coptic symbol khi ro
- 2628 ☫ CROSS OF LORRAINE
- 2629 ☬ CROSS OF JERUSALEM
- 262A ☮ STAR AND CRESCENT
- 262B ☯ FARSI SYMBOL  
= symbol of iran (1.0)
- 262C ☯ ADI SHAKTI  
= Gurmukhi khanda
- 262D ☲ HAMMER AND SICKLE
- 262E ☱ PEACE SYMBOL
- 262F ☳ YIN YANG  
→ 0FCA ☳ tibetan symbol nor bu nyis -khyil

**Yijing trigram symbols**

- 2630 ☶ TRIGRAM FOR HEAVEN  
= qian2
- 2631 ☷ TRIGRAM FOR LAKE  
= dui4
- 2632 ☸ TRIGRAM FOR FIRE  
= li2
- 2633 ☹ TRIGRAM FOR THUNDER  
= zhen4
- 2634 ☻ TRIGRAM FOR WIND  
= xun4
- 2635 ☼ TRIGRAM FOR WATER  
= kan3
- 2636 ☽ TRIGRAM FOR MOUNTAIN  
= gen4
- 2637 ☾ TRIGRAM FOR EARTH  
= kun1

**Miscellaneous symbols**

- 2638 ☩ WHEEL OF DHARMA  
→ 2388 ☩ helm symbol
- 2639 ☩ WHITE FROWNING FACE
- 263A ☪ WHITE SMILING FACE  
= have a nice day!

263B

## Miscellaneous Symbols

2681

- 263B ☺ BLACK SMILING FACE  
 263C ☈ WHITE SUN WITH RAYS  
     = compass  
     → 2609 ☉ sun

**Astrological symbols**

- 263D ☽ FIRST QUARTER MOON  
 263E ☿ LAST QUARTER MOON  
 263F ☃ MERCURY  
 2640 ☄ FEMALE SIGN  
     = Venus  
 2641 ☇ EARTH  
     → 2295 ☕ circled plus  
 2642 ★ MALE SIGN  
     = Mars  
 2643 ☈ JUPITER  
 2644 ☊ SATURN  
 2645 ☋ URANUS  
 2646 ☌ NEPTUNE  
 2647 ☍ PLUTO

**Zodiacal symbols**

- 2648 ☁ ARIES  
 2649 ☂ TAURUS  
 264A ☃ GEMINI  
 264B ☄ CANCER  
 264C ★ LEO  
 264D ☆ VIRGO  
     = minim (alternate glyph)  
 264E ☇ LIBRA  
 264F ☈ SCORPIUS  
     = scorpio  
     = minim, drop  
 2650 ☉ SAGITTARIUS  
 2651 ☊ CAPRICORN  
 2652 ☋ AQUARIUS  
 2653 ☌ PISCES

**Chess symbols**

- 2654 ☎ WHITE CHESS KING  
 2655 ☎ WHITE CHESS QUEEN  
 2656 ☎ WHITE CHESS ROOK  
 2657 ☎ WHITE CHESS BISHOP  
 2658 ☎ WHITE CHESS KNIGHT  
 2659 ☎ WHITE CHESS PAWN  
 265A ☎ BLACK CHESS KING  
 265B ☎ BLACK CHESS QUEEN  
 265C ☎ BLACK CHESS ROOK  
 265D ☎ BLACK CHESS BISHOP  
 265E ☎ BLACK CHESS KNIGHT  
 265F ☎ BLACK CHESS PAWN

**Playing card symbols**

- 2660 ♠ BLACK SPADE SUIT  
 2661 ♥ WHITE HEART SUIT  
 2662 ♦ WHITE DIAMOND SUIT  
     → 25C7 ♦ white diamond  
     → 25CA ♦ lozenge  
 2663 ♣ BLACK CLUB SUIT  
     → 2618 ♣ shamrock  
 2664 ♤ WHITE SPADE SUIT

- 2665 ♥ BLACK HEART SUIT  
     = valentine  
     → 2764 ♥ heavy black heart  
 2666 ♦ BLACK DIAMOND SUIT  
     → 25C6 ♦ black diamond  
 2667 ♣ WHITE CLUB SUIT

**Miscellaneous symbol**

- 2668 ☘ HOT SPRINGS

**Musical symbols**

- 2669 ♩ QUARTER NOTE  
 266A ♪ EIGHTH NOTE  
 266B ♫ BEAMED EIGHTH NOTES  
 266C ♬ BEAMED SIXTEENTH NOTES  
 266D ♭ MUSIC FLAT SIGN  
 266E ♯ MUSIC NATURAL SIGN  
 266F ♮ MUSIC SHARP SIGN  
     = z notation infix bag count  
     → 0023 # number sign

**Syriac cross symbols**

*These symbols are used in liturgical texts of Syriac-speaking churches.*

- 2670 ☓ WEST SYRIAC CROSS  
 2671 ☔ EAST SYRIAC CROSS

**Recycling symbols**

- 2672 ☷ UNIVERSAL RECYCLING SYMBOL  
     • used as generic symbol for recycling or to indicate that material is recyclable  
 2673 ☸ RECYCLING SYMBOL FOR TYPE-1 PLASTICS  
     • polyethylene terephthalate  
 2674 ☹ RECYCLING SYMBOL FOR TYPE-2 PLASTICS  
     • high density polyethylene  
 2675 ☻ RECYCLING SYMBOL FOR TYPE-3 PLASTICS  
     • vinyl, polyvinyl chloride  
 2676 ☻ RECYCLING SYMBOL FOR TYPE-4 PLASTICS  
     • low density polyethylene  
 2677 ☻ RECYCLING SYMBOL FOR TYPE-5 PLASTICS  
     • polypropylene  
 2678 ☻ RECYCLING SYMBOL FOR TYPE-6 PLASTICS  
     • polystyrene  
 2679 ☻ RECYCLING SYMBOL FOR TYPE-7 PLASTICS  
     • other plastics  
 267A ☸ RECYCLING SYMBOL FOR GENERIC MATERIALS  
     • used together with other text and labels to indicate the type of material to be recycled  
 267B ☐ BLACK UNIVERSAL RECYCLING SYMBOL  
 267C ☒ RECYCLED PAPER SYMBOL  
     • used to indicate 100% recycled paper content  
 267D ☓ PARTIALLY-RECYCLED PAPER SYMBOL  
     • percentage of recycled paper content indicated in overlay or next to this symbol

**Miscellaneous symbols**

- 267E ☙ PERMANENT PAPER SIGN  
 267F ☥ WHEELCHAIR SYMBOL

**Dice**

- 2680 ☱ DIE FACE-1  
 2681 ☲ DIE FACE-2

- 2682 ☒ DIE FACE-3  
 2683 ☒ DIE FACE-4  
 2684 ☒ DIE FACE-5  
 2685 ☒ DIE FACE-6

**Go markers**

- 2686 ○ WHITE CIRCLE WITH DOT RIGHT  
 2687 ○ WHITE CIRCLE WITH TWO DOTS  
 2688 ● BLACK CIRCLE WITH WHITE DOT RIGHT  
 2689 ● BLACK CIRCLE WITH TWO WHITE DOTS

**Yijing monogram and digram symbols**

*These form a subset of the larger collection found in the Tai Xuan Jing Symbols block.*

- 268A — MONOGRAM FOR YANG  
 268B -- MONOGRAM FOR YIN  
 268C == DIGRAM FOR GREATER YANG  
 268D -- DIGRAM FOR LESSER YIN  
 268E == DIGRAM FOR LESSER YANG  
 268F == DIGRAM FOR GREATER YIN

**Dictionary and map symbols**

- 2690 □ WHITE FLAG  
 2691 ■ BLACK FLAG  
 2692 ☈ HAMMER AND PICK  
     = mining, working day (in timetables)  
 2693 ☠ ANCHOR  
     = nautical term, harbor (on maps)  
 2694 ✕ CROSSED SWORDS  
     = military term, battleground (on maps), killed in action  
 2695 ☩ STAFF OF AESCULAPIUS  
     = medical term  
     • both inclined or upright renderings of this symbol are common  
     → 2624 ☠ caduceus  
 2696 ☩ SCALES  
     = legal term, jurisprudence  
 2697 ☧ ALEMBIC  
     = chemical term, chemistry  
 2698 ☦ FLOWER  
     = botanical term  
     → 2055 \* flower punctuation mark  
     → 2618 ☦ shamrock  
     → 2740 ☦ white florette  
 2699 ☦ GEAR  
     = technology, tools  
 269A ☠ STAFF OF HERMES  
     • signifies a commercial term or commerce  
     • glyph shows a heraldic staff with a winged wheel  
 269B ☩ ATOM SYMBOL  
     = nuclear installation (on maps)

**Miscellaneous symbols**

- 269C ☷ FLEUR-DE-LIS  
 269D ☸ OUTLINED WHITE STAR  
     • symbol of Morocco

**Symbols for closed captioning from ARIB STD B24**

- 269E ≥ THREE LINES CONVERGING RIGHT  
     = someone speaking

- 269F ⋮ THREE LINES CONVERGING LEFT  
     = background speaking

**Miscellaneous symbols**

- 26A0 ⌛ WARNING SIGN  
 26A1 ⌝ HIGH VOLTAGE SIGN  
     = thunder

**Gender symbols**

- 26A2 ☯ DOUBLED FEMALE SIGN  
     = lesbianism  
 26A3 ☲ DOUBLED MALE SIGN  
     • a glyph variant has the two circles on the same line  
     = male homosexuality  
 26A4 ☶ INTERLOCKED FEMALE AND MALE SIGN  
     • a glyph variant has the two circles on the same line  
     = bisexuality  
 26A5 ☹ MALE AND FEMALE SIGN  
     = transgendered sexuality  
     = hermaphrodite (in entomology)  
 26A6 ☻ MALE WITH STROKE SIGN  
     = transgendered sexuality  
 26A7 ☽ MALE WITH STROKE AND MALE AND FEMALE SIGN  
     = transgendered sexuality  
 26A8 ☼ VERTICAL MALE WITH STROKE SIGN  
     = ferrous iron sulphate (alchemy and older chemistry)  
 26A9 ☽ HORIZONTAL MALE WITH STROKE SIGN  
     = magnesium (alchemy and older chemistry)

**Circles**

- 26AA ○ MEDIUM WHITE CIRCLE  
     = asexuality, sexless, genderless  
     = engaged, betrothed  
     • base for male or female sign  
 26AB ● MEDIUM BLACK CIRCLE  
     • UI symbol for record function  
 26AC ○ MEDIUM SMALL WHITE CIRCLE  
     = engaged, betrothed (genealogy)  
     • can represent wedding ring

**Genealogical symbols**

- 26AD ☷ MARRIAGE SYMBOL  
     → 221E ∞ infinity  
 26AE ☸ DIVORCE SYMBOL  
     → 29DE ☷ infinity negated with vertical bar  
 26AF ☷ UNMARRIED PARTNERSHIP SYMBOL  
     → 29DF ☷ double-ended multimap  
 26B0 ☵ COFFIN  
     = buried (genealogy)  
     → 25AD ☷ white rectangle  
 26B1 ☺ FUNERAL URN  
     = cremated (genealogy)

**Gender symbol**

- 26B2 ☙ NEUTER

**Astrological signs**

- 26B3 ♀ CERES  
 26B4 ♀ PALLAS  
 26B5 ♀ JUNO

26B6

- 26B6 VESTA  
 26B7 CHIRON  
 26B8 BLACK MOON LILITH  
 26B9 \* SEXTILE  
     → 002A \* asterisk  
 26BA SEMISEXTILE  
     → 22BB xor  
 26BB QUINCUNX  
     → 22BC nand  
 26BC SESQUIQUADRATE

**Sports symbol**

- 26BD SOCCER BALL

**Miscellaneous symbols from ARIB STD B24**

- 26BE BASEBALL  
 26BF SQUARED KEY  
     = parental lock

**Symbols for draughts and checkers**

- 26C0 WHITE DRAUGHTS MAN  
 26C1 WHITE DRAUGHTS KING  
 26C2 BLACK DRAUGHTS MAN  
 26C3 BLACK DRAUGHTS KING

**Weather symbols from ARIB STD B24**

- 26C4 SNOWMAN WITHOUT SNOW  
     = light snow  
 26C5 SUN BEHIND CLOUD  
     = partly cloudy  
 26C6 RAIN  
     = rainy weather  
 26C7 BLACK SNOWMAN  
     = heavy snow  
 26C8 THUNDER CLOUD AND RAIN  
     = thunderstorm

**Game symbols from ARIB STD B24**

- 26C9 TURNED WHITE SHOGI PIECE  
 26CA TURNED BLACK SHOGI PIECE  
 26CB WHITE DIAMOND IN SQUARE  
     → 233A apl functional symbol quad diamond

**Traffic signs from ARIB STD B24**

- 26CC CROSSING LANES  
     = accident  
     → 292C falling diagonal crossing rising diagonal  
 26CD DISABLED CAR

**Zodiacal symbol**

- 26CE OPHIUCHUS  
     = e-037

**Traffic signs from ARIB STD B24**

- 26CF PICK  
     = under construction  
 26D0 CAR SLIDING  
     = icy road  
 26D1 HELMET WITH WHITE CROSS  
     = maintenance  
 26D2 CIRCLED CROSSING LANES  
     = road closed

**Miscellaneous Symbols**

26F5

- 26D3 CHAINS  
     = tyre chains required  
 26D4 NO ENTRY  
 26D5 ALTERNATE ONE-WAY LEFT WAY TRAFFIC  
     • left side traffic  
 26D6 BLACK TWO-WAY LEFT WAY TRAFFIC  
     • left side traffic  
 26D7 WHITE TWO-WAY LEFT WAY TRAFFIC  
     • left side traffic  
 26D8 BLACK LEFT LANE MERGE  
     • left side traffic  
 26D9 WHITE LEFT LANE MERGE  
     • left side traffic  
 26DA DRIVE SLOW SIGN  
 26DB HEAVY WHITE DOWN-POINTING TRIANGLE  
     = drive slow  
     → 25BD white down-pointing triangle  
 26DC LEFT CLOSED ENTRY  
 26DD SQUARED SALTIRE  
     = closed entry  
     → 22A0 squared times  
 26DE FALLING DIAGONAL IN WHITE CIRCLE IN BLACK SQUARE  
     = closed to large vehicles  
 26DF BLACK TRUCK  
     = black lorry  
     = closed to large vehicles, alternate  
 26E0 RESTRICTED LEFT ENTRY-1  
 26E1 RESTRICTED LEFT ENTRY-2
- Dictionary and map symbols from ARIB STD B24**
- 26E3 HEAVY CIRCLE WITH STROKE AND TWO DOTS ABOVE  
     = public office  
 26E4 <reserved>  
 26E5 <reserved>  
 26E6 <reserved>  
 26E7 <reserved>  
 26E8 BLACK CROSS ON SHIELD  
     = hospital
- 26E9 SHINTO SHRINE  
 26EA CHURCH  
 26EB CASTLE  
 26EC HISTORIC SITE  
 26ED GEAR WITHOUT HUB  
     = factory  
     → 2699 gear  
 26EE GEAR WITH HANDLES  
     = power plant, power substation  
 26EF MAP SYMBOL FOR LIGHTHOUSE  
 26F0 MOUNTAIN  
 26F1 UMBRELLA ON GROUND  
     = bathing beach  
 26F2 FOUNTAIN  
     = park  
 26F3 FLAG IN HOLE  
     = golf course  
 26F4 FERRY  
     = ferry boat terminal  
 26F5 SAILBOAT  
     = marina or yacht harbour

26F6

## Miscellaneous Symbols

26FF

26F6  SQUARE FOUR CORNERS

= intersection

26F7  SKIER

= ski resort

26F8  ICE SKATE

= ice skating rink

26F9  PERSON WITH BALL

= track and field, gymnasium

26FA  TENT

= camping site

26FB  JAPANESE BANK SYMBOL26FC  HEADSTONE GRAVEYARD SYMBOL

= graveyard, memorial park, cemetery

26FD  FUEL PUMP

= petrol station, gas station

26FE  CUP ON BLACK SQUARE

= drive-in restaurant

26FF  WHITE FLAG WITH HORIZONTAL MIDDLE

BLACK STRIPE

= Japanese self-defence force site

	270	271	272	273	274	275	276	277	278	279	27A	27B
0												
1												
2												
3												
4												
5												
6												
7												
8												
9												
A												
B												
C												
D												
E												
F												

2701

## Dingbats

274E

*ITC Zapf dingbats series 100. Some of the ITC Zapf dingbats have been unified with geometric shape characters. Gaps in the chart have subsequently been filled with other dingbat-like symbols.*

**Miscellaneous**

- 2701 ⚡ UPPER BLADE SCISSORS
- 2702 ✂ BLACK SCISSORS
- 2703 ✂ LOWER BLADE SCISSORS
- 2704 ✂ WHITE SCISSORS
- 2705 ✅ WHITE HEAVY CHECK MARK  
→ 2714 ✓ heavy check mark  
= e-B4A
- 2706 ☎ TELEPHONE LOCATION SIGN  
→ 2121 TEL telephone sign
- 2707 📈 TAPE DRIVE
- 2708 ✈ AIRPLANE
- 2709 📉 ENVELOPE
- 270A 🤝 RAISED FIST  
= rock in Rock, Paper, Scissors game  
→ 270B 🤝 raised hand  
→ 270C 🤝 victory hand  
= e-B93
- 270B 🤝 RAISED HAND  
= paper in Rock, Paper, Scissors game  
→ 270A 🤝 raised fist  
→ 270C 🤝 victory hand  
= e-B95
- 270C 🤝 VICTORY HAND
- 270D ✎ WRITING HAND
- 270E ✎ LOWER RIGHT PENCIL
- 270F ✎ PENCIL
- 2710 ✎ UPPER RIGHT PENCIL
- 2711 ✎ WHITE NIB
- 2712 ✎ BLACK NIB
- 2713 ✓ CHECK MARK  
→ 221A ✓ square root
- 2714 ✓ HEAVY CHECK MARK
- 2715 ✖ MULTIPLICATION X  
→ 00D7 ✖ multiplication sign  
→ 2573 ✖ box drawings light diagonal cross
- 2716 ✖ HEAVY MULTIPLICATION X
- 2717 ✖ BALLOT X  
→ 2613 X saltire
- 2718 ✖ HEAVY BALLOT X

**Crosses**

- 2719 ✕ OUTLINED GREEK CROSS
- 271A ✕ HEAVY GREEK CROSS
- 271B ✕ OPEN CENTRE CROSS
- 271C ✕ HEAVY OPEN CENTRE CROSS
- 271D ✚ LATIN CROSS
- 271E ✚ SHADOWED WHITE LATIN CROSS
- 271F ✚ OUTLINED LATIN CROSS
- 2720 ✛ MALTESE CROSS
  - Historically, the Maltese cross took many forms; the shape shown in the Zapf Dingbats is similar to one known as the Cross Formée.

**Stars, asterisks and snowflakes**

- 2721 ☪ STAR OF DAVID

- 2722 ✤ FOUR TEARDROP-SPOKED ASTERISK
- 2723 ✤ FOUR BALLOON-SPOKED ASTERISK
- 2724 ✤ HEAVY FOUR BALLOON-SPOKED ASTERISK
- 2725 ✤ FOUR CLUB-SPOKED ASTERISK
- 2726 ✦ BLACK FOUR POINTED STAR
- 2727 ✦ WHITE FOUR POINTED STAR
- 2728 ✨ SPARKLES  
= e-B60
- 2729 ✰ STRESS OUTLINED WHITE STAR  
→ 2606 ✰ white star
- 272A ✩ CIRCLED WHITE STAR
- 272B ✠ OPEN CENTRE BLACK STAR
- 272C ✡ BLACK CENTRE WHITE STAR
- 272D ✢ OUTLINED BLACK STAR
- 272E ✣ HEAVY OUTLINED BLACK STAR
- 272F ✤ PINWHEEL STAR
- 2730 ✥ SHADOWED WHITE STAR
- 2731 ✩ HEAVY ASTERISK  
→ 002A \* asterisk
- 2732 ✩ OPEN CENTRE ASTERISK
- 2733 ✲ EIGHT SPOKED ASTERISK
- 2734 ✳ EIGHT POINTED BLACK STAR
- 2735 ✴ EIGHT POINTED PINWHEEL STAR
- 2736 ✵ SIX POINTED BLACK STAR  
= textile
- 2737 ✶ EIGHT POINTED RECTILINEAR BLACK STAR
- 2738 ✷ HEAVY EIGHT POINTED RECTILINEAR BLACK STAR
- 2739 ✸ TWELVE POINTED BLACK STAR
- 273A ✹ SIXTEEN POINTED ASTERISK  
= starburst
- 273B ✩ TEARDROP-SPOKED ASTERISK
- 273C ✩ OPEN CENTRE TEARDROP-SPOKED ASTERISK
- 273D ✩ HEAVY TEARDROP-SPOKED ASTERISK
- 273E ✩ SIX PETALLED BLACK AND WHITE FLORETTE
- 273F ✊ BLACK FLORETTE
- 2740 ✋ WHITE FLORETTE
- 2741 ✌ EIGHT PETALLED OUTLINED BLACK FLORETTE
- 2742 ✍ CIRCLED OPEN CENTRE EIGHT POINTED STAR
- 2743 ✏ HEAVY TEARDROP-SPOKED PINWHEEL ASTERISK
- 2744 ✐ SNOWFLAKE
- 2745 ✑ TIGHT TRIFOLIATE SNOWFLAKE
- 2746 ✑ HEAVY CHEVRON SNOWFLAKE
- 2747 ✑ SPARKLE
- 2748 ✑ HEAVY SPARKLE
- 2749 ✑ BALLOON-SPOKED ASTERISK  
= jack
- 274A ✒ EIGHT TEARDROP-SPOKED PROPELLER ASTERISK
- 274B ✒ HEAVY EIGHT TEARDROP-SPOKED PROPELLER ASTERISK  
= turbofan
- Miscellaneous**
- 274C ✗ CROSS MARK
  - forms a pair with 2B55 ○ heavy large circle  
= e-B45
- 274D ○ SHADOWED WHITE CIRCLE
- 274E ✖ NEGATIVE SQUARED CROSS MARK  
= e-B46

274F

## Dingbats

278D

- 274F ☐ LOWER RIGHT DROP-SHADOWED WHITE SQUARE  
 2750 ☐ UPPER RIGHT DROP-SHADOWED WHITE SQUARE  
 2751 ☐ LOWER RIGHT SHADOWED WHITE SQUARE  
 2752 ☐ UPPER RIGHT SHADOWED WHITE SQUARE  
 2753 ? BLACK QUESTION MARK ORNAMENT  
     = e-B09  
 2754 ? WHITE QUESTION MARK ORNAMENT  
     = e-B0A  
 2755 ! WHITE EXCLAMATION MARK ORNAMENT  
     → 2762 ♀ heavy exclamation mark ornament  
     → 2757 ! heavy exclamation mark symbol  
     = e-B0B  
 2756 ♦ BLACK DIAMOND MINUS WHITE X  
 2757 ! HEAVY EXCLAMATION MARK SYMBOL  
     = obstacles on the road, ARIB STD B24  
 2758 | LIGHT VERTICAL BAR  
     → 007C | vertical line  
 2759 || MEDIUM VERTICAL BAR  
 276A ■ HEAVY VERTICAL BAR

**Punctuation ornaments**

- 275B ‘ HEAVY SINGLE TURNED COMMA QUOTATION MARK ORNAMENT  
     → 2018 ‘ left single quotation mark  
 275C ’ HEAVY SINGLE COMMA QUOTATION MARK ORNAMENT  
     → 2019 ’ right single quotation mark  
 275D “ HEAVY DOUBLE TURNED COMMA QUOTATION MARK ORNAMENT  
     → 201C “ left double quotation mark  
 275E ” HEAVY DOUBLE COMMA QUOTATION MARK ORNAMENT  
     → 201D ” right double quotation mark  
 275F , HEAVY LOW SINGLE COMMA QUOTATION MARK ORNAMENT  
     → 201A , single low-9 quotation mark  
 2760 „ HEAVY LOW DOUBLE COMMA QUOTATION MARK ORNAMENT  
     → 201E „ double low-9 quotation mark  
 2761 ¶ CURVED STEM PARAGRAPH SIGN ORNAMENT  
     → 00B6 ¶ pilcrow sign  
 2762 ! HEAVY EXCLAMATION MARK ORNAMENT  
     → 0021 ! exclamation mark  
 2763 ♥ HEAVY HEART EXCLAMATION MARK ORNAMENT  
 2764 ♥ HEAVY BLACK HEART  
     → 2665 ♥ black heart suit  
 2765 ♡ ROTATED HEAVY BLACK HEART BULLET  
 2766 ♢ FLORAL HEART  
     = Aldus leaf  
 2767 ♣ ROTATED FLORAL HEART BULLET  
     = hedera, ivy leaf  
     → 2619 ♣ reversed rotated floral heart bullet

**Ornamental brackets**

- 2768 ( MEDIUM LEFT PARENTHESIS ORNAMENT  
     → 0028 ( left parenthesis  
 2769 ) MEDIUM RIGHT PARENTHESIS ORNAMENT  
     → 0029 ) right parenthesis

- 276A ( MEDIUM FLATTENED LEFT PARENTHESIS ORNAMENT  
 276B ) MEDIUM FLATTENED RIGHT PARENTHESIS ORNAMENT  
 276C { MEDIUM LEFT-POINTING ANGLE BRACKET ORNAMENT  
     → 2329 < left-pointing angle bracket  
 276D } MEDIUM RIGHT-POINTING ANGLE BRACKET ORNAMENT  
     → 232A > right-pointing angle bracket  
 276E < HEAVY LEFT-POINTING ANGLE QUOTATION MARK ORNAMENT  
     → 2039 < single left-pointing angle quotation mark  
 276F > HEAVY RIGHT-POINTING ANGLE QUOTATION MARK ORNAMENT  
     → 203A > single right-pointing angle quotation mark  
 2770 ( HEAVY LEFT-POINTING ANGLE BRACKET ORNAMENT  
 2771 ) HEAVY RIGHT-POINTING ANGLE BRACKET ORNAMENT  
 2772 { LIGHT LEFT TORTOISE SHELL BRACKET ORNAMENT  
     → 3014 ( left tortoise shell bracket  
 2773 ) LIGHT RIGHT TORTOISE SHELL BRACKET ORNAMENT  
     → 3015 ) right tortoise shell bracket  
 2774 { MEDIUM LEFT CURLY BRACKET ORNAMENT  
     → 007B { left curly bracket  
 2775 } MEDIUM RIGHT CURLY BRACKET ORNAMENT  
     → 007D } right curly bracket

**Dingbat circled digits**

- 2776 ① DINGBAT NEGATIVE CIRCLED DIGIT ONE  
 2777 ② DINGBAT NEGATIVE CIRCLED DIGIT TWO  
 2778 ③ DINGBAT NEGATIVE CIRCLED DIGIT THREE  
 2779 ④ DINGBAT NEGATIVE CIRCLED DIGIT FOUR  
 277A ⑤ DINGBAT NEGATIVE CIRCLED DIGIT FIVE  
 277B ⑥ DINGBAT NEGATIVE CIRCLED DIGIT SIX  
 277C ⑦ DINGBAT NEGATIVE CIRCLED DIGIT SEVEN  
 277D ⑧ DINGBAT NEGATIVE CIRCLED DIGIT EIGHT  
 277E ⑨ DINGBAT NEGATIVE CIRCLED DIGIT NINE  
 277F ⑩ DINGBAT NEGATIVE CIRCLED NUMBER TEN  
 2780 ① DINGBAT CIRCLED SANS-SERIF DIGIT ONE  
 2781 ② DINGBAT CIRCLED SANS-SERIF DIGIT TWO  
 2782 ③ DINGBAT CIRCLED SANS-SERIF DIGIT THREE  
 2783 ④ DINGBAT CIRCLED SANS-SERIF DIGIT FOUR  
 2784 ⑤ DINGBAT CIRCLED SANS-SERIF DIGIT FIVE  
 2785 ⑥ DINGBAT CIRCLED SANS-SERIF DIGIT SIX  
 2786 ⑦ DINGBAT CIRCLED SANS-SERIF DIGIT SEVEN  
 2787 ⑧ DINGBAT CIRCLED SANS-SERIF DIGIT EIGHT  
 2788 ⑨ DINGBAT CIRCLED SANS-SERIF DIGIT NINE  
 2789 ⑩ DINGBAT CIRCLED SANS-SERIF NUMBER TEN  
 278A ⑪ DINGBAT NEGATIVE CIRCLED SANS-SERIF DIGIT ONE  
 278B ⑫ DINGBAT NEGATIVE CIRCLED SANS-SERIF DIGIT TWO  
 278C ⑬ DINGBAT NEGATIVE CIRCLED SANS-SERIF DIGIT THREE  
 278D ⑭ DINGBAT NEGATIVE CIRCLED SANS-SERIF DIGIT FOUR

278E

## Dingbats

27BE

278E	⑤ DINGBAT NEGATIVE CIRCLED SANS-SERIF DIGIT FIVE	27B0	<reserved>
278F	⑥ DINGBAT NEGATIVE CIRCLED SANS-SERIF DIGIT SIX	27B1	⇒ NOTCHED UPPER RIGHT-SHADOWED WHITE RIGHTWARDS ARROW
2790	⑦ DINGBAT NEGATIVE CIRCLED SANS-SERIF DIGIT SEVEN	27B2	⌚ CIRCLED HEAVY WHITE RIGHTWARDS ARROW
2791	⑧ DINGBAT NEGATIVE CIRCLED SANS-SERIF DIGIT EIGHT	27B3	➡ WHITE-FEATHERED RIGHTWARDS ARROW
2792	⑨ DINGBAT NEGATIVE CIRCLED SANS-SERIF DIGIT NINE	27B4	↘ BLACK-FEATHERED SOUTH EAST ARROW
2793	⑩ DINGBAT NEGATIVE CIRCLED SANS-SERIF NUMBER TEN	27B5	➡ BLACK-FEATHERED RIGHTWARDS ARROW
		27B6	↗ BLACK-FEATHERED NORTH EAST ARROW
		27B7	↙ HEAVY BLACK-FEATHERED SOUTH EAST ARROW
		27B8	➡ HEAVY BLACK-FEATHERED RIGHTWARDS ARROW

**Dingbat arrows**

2794 → HEAVY WIDE-HEADED RIGHTWARDS ARROW

27B9	↗ HEAVY BLACK-FEATHERED NORTH EAST ARROW
27BA	→ TEARDROP-BARBED RIGHTWARDS ARROW
27BB	↔ HEAVY TEARDROP-SHANKED RIGHTWARDS ARROW
27BC	➡ WEDGE-TAILED RIGHTWARDS ARROW
27BD	➡ HEAVY WEDGE-TAILED RIGHTWARDS ARROW
27BE	⇒ OPEN-OUTLINED RIGHTWARDS ARROW

**Arithmetic symbols**

2795 + HEAVY PLUS SIGN

= e-B51

2796 - HEAVY MINUS SIGN

= e-B52

2797 ÷ HEAVY DIVISION SIGN

= e-B54

2798 ↘ HEAVY SOUTH EAST ARROW

2799 → HEAVY RIGHTWARDS ARROW

279A ↗ HEAVY NORTH EAST ARROW

279B → DRAFTING POINT RIGHTWARDS ARROW

279C → HEAVY ROUND-TIPPED RIGHTWARDS ARROW

279D → TRIANGLE-HEADED RIGHTWARDS ARROW

279E → HEAVY TRIANGLE-HEADED RIGHTWARDS ARROW

279F → DASHED TRIANGLE-HEADED RIGHTWARDS ARROW

27A0 ➡ HEAVY DASHED TRIANGLE-HEADED RIGHTWARDS ARROW

27A1 ➡ BLACK RIGHTWARDS ARROW

• fonts may harmonize this glyph with the style for other black arrows  
→ 2B05 ← leftwards black arrow

27A2 ➤ THREE-D TOP-LIGHTED RIGHTWARDS ARROWHEAD

27A3 ➤ THREE-D BOTTOM-LIGHTED RIGHTWARDS ARROWHEAD

27A4 ➤ BLACK RIGHTWARDS ARROWHEAD

27A5 ➡ HEAVY BLACK CURVED DOWNWARDS AND RIGHTWARDS ARROW

27A6 ➡ HEAVY BLACK CURVED UPWARDS AND RIGHTWARDS ARROW

27A7 ➡ SQUAT BLACK RIGHTWARDS ARROW

27A8 ➡ HEAVY CONCAVE-POINTED BLACK RIGHTWARDS ARROW

27A9 ➡ RIGHT-SHADED WHITE RIGHTWARDS ARROW

27AA ➡ LEFT-SHADED WHITE RIGHTWARDS ARROW

27AB ➡ BACK-TILTED SHADOWED WHITE RIGHTWARDS ARROW

27AC ➡ FRONT-TILTED SHADOWED WHITE RIGHTWARDS ARROW

27AD ➡ HEAVY LOWER RIGHT-SHADOWED WHITE RIGHTWARDS ARROW

27AE ➡ HEAVY UPPER RIGHT-SHADOWED WHITE RIGHTWARDS ARROW

27AF ➡ NOTCHED LOWER RIGHT-SHADOWED WHITE RIGHTWARDS ARROW

2E00

## Supplemental Punctuation

2E7F

	2E0	2E1	2E2	2E3	2E4	2E5	2E6	2E7
0	؍ 2E00	؎؏ 2E10	، 2E20	ؘؙ 2E30				
1	؏؏ 2E01	؎؏ 2E11	،، 2E21	ؖؖ 2E31				
2	؋؋ 2E02	؋؋ 2E12	؍؍ 2E22	ؗؗ 2E32				
3	؊؊ 2E03	؊؊ 2E13	؉؉ 2E23					
4	؈؈ 2E04	؈؈ 2E14	؉؉ 2E24					
5	؉؉ 2E05	؉؉ 2E15	؉؉ 2E25					
6	،، 2E06	،، 2E16	ؑؑ 2E26					
7	ؔؔ 2E07	ؔؔ 2E17	ؔؔ 2E27					
8	ؚؚ 2E08	ؚؚ 2E18	ؚؚ 2E28					
9	ؚؚ 2E09	ؚؚ 2E19	ؚؚ 2E29					
A	ؐؐ 2E0A	ؐؐ 2E1A	ؐؐ 2E2A					
B	ؑؑ 2E0B	ؑؑ 2E1B	ؑؑ 2E2B					
C	ؒؒ 2E0C	ؒؒ 2E1C	ؒؒ 2E2C					
D	ؓؓ 2E0D	ؓؓ 2E1D	ؓؓ 2E2D					
E	ؔؔؔؔ 2E0E	ؔؔؔؔ 2E1E	ؔؔؔؔ 2E2E					
F	ؔؔؔؔ 2E0F	ؔؔؔؔ 2E1F	ؔؔؔؔ 2E2F					

2E00

## Supplemental Punctuation

2E2E

## New Testament editorial symbols

2E00	RIGHT ANGLE SUBSTITUTION MARKER → 231C ↗ top left corner
2E01	RIGHT ANGLE DOTTED SUBSTITUTION MARKER
2E02	LEFT SUBSTITUTION BRACKET
2E03	RIGHT SUBSTITUTION BRACKET
2E04	LEFT DOTTED SUBSTITUTION BRACKET
2E05	RIGHT DOTTED SUBSTITUTION BRACKET
2E06	RAISED INTERPOLATION MARKER → 22A4 T down tack
2E07	RAISED DOTTED INTERPOLATION MARKER
2E08	DOTTED TRANSPOSITION MARKER
2E09	LEFT TRANSPOSITION BRACKET
2E0A	RIGHT TRANSPOSITION BRACKET
2E0B	RAISED SQUARE <ul style="list-style-type: none"> <li>used as an opening raised omission bracket</li> </ul>
2E0C	LEFT RAISED OMISSION BRACKET <ul style="list-style-type: none"> <li>used as an opening or closing raised omission bracket</li> </ul>
2E0D	RIGHT RAISED OMISSION BRACKET <ul style="list-style-type: none"> <li>used as a closing or opening raised omission bracket</li> </ul>

## Ancient Greek textual symbols

2E0E		EDITORIAL CORONIS → 1FBD ' greek koronis
2EOF	—	PARAGRAPHOS
2E10	—	FORKED PARAGRAPHOS
2E11	—	REVERSED FORKED PARAGRAPHOS
2E12	:	HYPODIASTOLE
2E13	٪	DOTTED OBELOS <ul style="list-style-type: none"> <li>• glyph variants may look like ‘÷’ or ‘-’</li> <li>→ 2052 % commercial minus sign</li> </ul>
2E14	↙	DOWNWARDS ANCORA <ul style="list-style-type: none"> <li>• contrary to its formal name this symbol points upwards</li> </ul>
2E15	↗	UPWARDS ANCORA <ul style="list-style-type: none"> <li>• contrary to its formal name this symbol points downwards</li> </ul>
2E16	՞	DOTTED RIGHT-POINTING ANGLE <ul style="list-style-type: none"> <li>= diple periestigmene</li> </ul>

## Ancient Near-Eastern linguistic symbols

2E17 ➤ **DOUBLE OBLIQUE HYPHEN**

- used in ancient Near-Eastern linguistics
- hyphen in Fraktur text uses 002D - or 2010 - , but with a ‘›’ glyph in Fraktur fonts
  - 002D - hyphen-minus
  - 003D = equals sign
  - 2010 - hyphen

## General punctuation

2E18 ⚡ INVERTED INTERROBANG  
= gnaborretni  
→ 203D ? interrobang

2E19 ⚡ PALM BRANCH  
• used as a separator

## Dictionary punctuation

*These punctuation marks are used mostly in German dictionaries, to indicate umlaut or case changes with abbreviated stems.*

2E1A ≈ HYPHEN WITH DIAERESIS  
• indicates umlaut of the stem vowel of a plural form

2E1B ≈ TILDE WITH RING ABOVE  
• indicates change in case for derived form

## Brackets

2E1C \ LEFT LOW PARAPHRASE BRACKET  
2E1D / RIGHT LOW PARAPHRASE BRACKET  
• used in N'Ko

## Dictionary punctuation

**2E1E** ~ **TILDE WITH DOT ABOVE**  
• indicates derived form changes to uppercase  
**2E1F** ~ **TILDE WITH DOT BELOW**  
• indicates derived form changes to lowercase

## Brackets

2E20 | LEFT VERTICAL BAR WITH QUILL  
2E21 | RIGHT VERTICAL BAR WITH QUILL

## Half brackets

*These form a set of four corner brackets and are used editorially. They are distinguished from mathematical floor and ceiling characters. Occasionally quine corners are substituted for half brackets.*

2E22 ↗ TOP LEFT HALF BRACKET  
     → 2308 ↗ left ceiling  
     → 231C ↗ top left corner  
     → 300C ↗ left corner bracket  
 2E23 ↗ TOP RIGHT HALF BRACKET  
 2E24 ↘ BOTTOM LEFT HALF BRACKET  
 2E25 ↘ BOTTOM RIGHT HALF BRACKET

## Brackets

2E26	$\subset$	LEFT SIDEWAYS U BRACKET → 2282 ⊂ subset of
2E27	$\supset$	RIGHT SIDEWAYS U BRACKET → 2283 ⊃ superset of
2E28	$\langle\!\langle$	LEFT DOUBLE PARENTHESIS → 2985 ⟨ left white parenthesis → FF5F ⟨ fullwidth left white parenthesis
2E29	$\rangle\!\rangle$	RIGHT DOUBLE PARENTHESIS

## Historic punctuation

2E2A	::	TWO DOTS OVER ONE DOT PUNCTUATION
2E2B	::	ONE DOT OVER TWO DOTS PUNCTUATION
2E2C	::	SQUARED FOUR DOT PUNCTUATION
2E2D	⊕	FIVE DOT MARK
2E2E	?	REVERSED QUESTION MARK = punctus percontativus → 003F ? question mark → 00BF ؟ inverted question mark → 061F ؟ arabic question mark

2E2F

## Supplemental Punctuation

2E32

- 2E2F ' VERTICAL TILDE
  - used for Cyrillic yerik
  - 033E ¸ combining vertical tilde
  - A67F „ cyrillic payerok
- 2E30 ° RING POINT
  - used in Avestan
  - 2218 ° ring operator
  - 25E6 ° white bullet
- 2E31 · WORD SEPARATOR MIDDLE DOT
  - used in Avestan, Samaritan, ...
  - 00B7 · middle dot

**Length mark**

- 2E32 ⌞ LOOPED LENGTH MARK  
= e-B08

	31A	31B
0	ㄅ	ㄆ
	31A0	31B0
1	ㄈ	ㄉ
	31A1	31B1
2	ㄋ	ㄩ
	31A2	31B2
3	ㄌ	ㄔ
	31A3	31B3
4	ㄕ	ㄕ
	31A4	31B4
5	ㄕ	ㄕ
	31A5	31B5
6	ㄕ	ㄕ
	31A6	31B6
7	ㄕ	ㄏ
	31A7	31B7
8	ㄉ	ㄉ
	31A8	31B8
9	ㄉ	ㄉ
	31A9	31B9
A	ㄧ	ㄊ
	31AA	31BA
B	ㄉ	
	31AB	
C	ㄌ	
	31AC	
D	ㄌ	
	31AD	
E	ㄉ	
	31AE	
F	ㄉ	
	31AF	

*See also the Bopomofo block*

**Extended Bopomofo for Minnan and Hakka**

- 31A0 ㄅ BOPOMOFO LETTER BU
- 31A1 ㄈ BOPOMOFO LETTER ZI
- 31A2 ㄋ BOPOMOFO LETTER JI
- 31A3 ㄌ BOPOMOFO LETTER GU
- 31A4 ㄕ BOPOMOFO LETTER EE
- 31A5 ㄕ BOPOMOFO LETTER ENN
- 31A6 ㄕ BOPOMOFO LETTER OO
- 31A7 ㄕ BOPOMOFO LETTER ONN
- 31A8 ㄉ BOPOMOFO LETTER IR
- 31A9 ㄉ BOPOMOFO LETTER ANN
- 31AA ㄧ BOPOMOFO LETTER INN
- 31AB ㄉ BOPOMOFO LETTER UNN
- 31AC ㄌ BOPOMOFO LETTER IM
- 31AD ㄌ BOPOMOFO LETTER NGG
- 31AE ㄉ BOPOMOFO LETTER AINN
- 31AF ㄉ BOPOMOFO LETTER AUNN
- 31B0 ㄆ BOPOMOFO LETTER AM
- 31B1 ㄉ BOPOMOFO LETTER OM
- 31B2 ㄩ BOPOMOFO LETTER ONG
- 31B3 ㄔ BOPOMOFO LETTER INNN
- 31B4 ㄕ BOPOMOFO FINAL LETTER P
- 31B5 ㄕ BOPOMOFO FINAL LETTER T
- 31B6 ㄕ BOPOMOFO FINAL LETTER K
- 31B7 ㄏ BOPOMOFO FINAL LETTER H

**Extended Bopomofo for Hmu and Ge**

- 31B8 ㄉ BOPOMOFO LETTER GH
- 31B9 ㄉ BOPOMOFO LETTER LH
- 31BA ㄉ BOPOMOFO LETTER ZY

## Cyrillic Extended-B

	A64	A65	A66	A67	A68	A69
0	҂	҃	҄	҅	҆	҇
1	҂	҃	҄	҅	҆	҇
2	҂	҃	҄	҅	҆	҇
3	҂	҃	҄	҅	҆	҇
4	҂	҃	҄		҅	҆
5	҂	҃	҄		҅	҆
6	҂	҃	҄		҅	҆
7	҂	҃	҄		҅	҆
8	҂	҃	҄		҅	҆
9	҂	҃	҄		҅	҆
A	҂	҃	҄		҅	҆
B	҂	҃	҄		҅	҆
C	҂	҃	҄	҅	҆	҆
D	҂	҃	҄	҅	҆	҆
E	҂	҃	҄	҅	҆	҆
F	҂	҃	҄	҅	҆	҆

A640

## Cyrillic Extended-B

A686

**Letters for Old Cyrillic**

A640	҃	CYRILLIC CAPITAL LETTER ZEMLYA
A641	҃	CYRILLIC SMALL LETTER ZEMLYA → 0437 з cyrillic small letter ze
A642	҃	CYRILLIC CAPITAL LETTER DZEO
A643	҃	CYRILLIC SMALL LETTER DZEO → 0455 с cyrillic small letter dze
A644	҂	CYRILLIC CAPITAL LETTER REVERSED DZE → 10193 ҂ roman sextula sign
A645	҂	CYRILLIC SMALL LETTER REVERSED DZE
A646	ҁ	CYRILLIC CAPITAL LETTER IOTA
A647	ҁ	CYRILLIC SMALL LETTER IOTA → 2C3A ☈ glagolitic small letter initial izhe
A648	Ҥ	CYRILLIC CAPITAL LETTER DJERV
A649	Ҥ	CYRILLIC SMALL LETTER DJERV → 0452 ӝ cyrillic small letter dje → 045B ӝ cyrillic small letter tshe
A64A	Ӯ	CYRILLIC CAPITAL LETTER MONOGRAPH UK
A64B	Ӯ	CYRILLIC SMALL LETTER MONOGRAPH UK → 0443 ў cyrillic small letter u
A64C	Ӱ	CYRILLIC CAPITAL LETTER BROAD OMEGA
A64D	Ӱ	CYRILLIC SMALL LETTER BROAD OMEGA → 0461 Ѡ cyrillic small letter omega
A64E	Ӳ	CYRILLIC CAPITAL LETTER NEUTRAL YER
A64F	Ӳ	CYRILLIC SMALL LETTER NEUTRAL YER → 044A Ӳ cyrillic small letter hard sign → 044C Ӳ cyrillic small letter soft sign
A650	Ӵ	CYRILLIC CAPITAL LETTER YERU WITH BACK YER
A651	Ӵ	CYRILLIC SMALL LETTER YERU WITH BACK YER → 044B Ӵ cyrillic small letter yeru
A652	Ӷ	CYRILLIC CAPITAL LETTER IOTIFIED YAT
A653	Ӷ	CYRILLIC SMALL LETTER IOTIFIED YAT → 0463 Ӷ cyrillic small letter yat
A654	Ӹ	CYRILLIC CAPITAL LETTER REVERSED YU
A655	Ӹ	CYRILLIC SMALL LETTER REVERSED YU → 044E Ӹ cyrillic small letter yu
A656	ӹ	CYRILLIC CAPITAL LETTER IOTIFIED A
A657	ӹ	CYRILLIC SMALL LETTER IOTIFIED A
A658	ӻ	CYRILLIC CAPITAL LETTER CLOSED LITTLE YUS
A659	ӻ	CYRILLIC SMALL LETTER CLOSED LITTLE YUS → 0467 ӻ cyrillic small letter little yus
A65A	Ӽ	CYRILLIC CAPITAL LETTER BLENDED YUS
A65B	Ӽ	CYRILLIC SMALL LETTER BLENDED YUS → 0467 Ӽ cyrillic small letter little yus → 046B Ӽ cyrillic small letter big yus
A65C	ӽ	CYRILLIC CAPITAL LETTER IOTIFIED CLOSED LITTLE YUS
A65D	ӽ	CYRILLIC SMALL LETTER IOTIFIED CLOSED LITTLE YUS → 0469 ӽ cyrillic small letter iotified little yus
A65E	Ӿ	CYRILLIC CAPITAL LETTER YN
A65F	Ӿ	CYRILLIC SMALL LETTER YN • Romanian Cyrillic
A660	ӿ	CYRILLIC CAPITAL LETTER REVERSED TSE
A661	ӿ	CYRILLIC SMALL LETTER REVERSED TSE
A662	Ӿ	CYRILLIC CAPITAL LETTER SOFT DE
A663	Ӿ	CYRILLIC SMALL LETTER SOFT DE
A664	Ӿ	CYRILLIC CAPITAL LETTER SOFT EL

A665	Ҏ	CYRILLIC SMALL LETTER SOFT EL
A666	ҏ	CYRILLIC CAPITAL LETTER SOFT EM
A667	ҏ	CYRILLIC SMALL LETTER SOFT EM
A668	Ҩ	CYRILLIC CAPITAL LETTER MONOCULAR O
A669	Ҩ	CYRILLIC SMALL LETTER MONOCULAR O • used in words based on the root for 'eye'
A66A	Ҩ	CYRILLIC CAPITAL LETTER BINOCULAR O
A66B	Ҩ	CYRILLIC SMALL LETTER BINOCULAR O • used in the dual of words based on the root for 'eye'
A66C	Ҩ	CYRILLIC CAPITAL LETTER DOUBLE MONOCULAR O
A66D	Ҩ	CYRILLIC SMALL LETTER DOUBLE MONOCULAR O • used in the dual of words based on the root for 'eye'
A66E	Ҩ	CYRILLIC LETTER MULTIOCULAR O • used in the epithet 'many-eyed'

**Abbreviation mark**

A66F	҇	COMBINING CYRILLIC VZMET
		• used with Cyrillic letters to indicate abbreviation → 0483 ҇ combining cyrillic titlo
		→ 0487 ҇ combining cyrillic pokrytie

**Combining numeric signs**

A670	Ҋ	COMBINING CYRILLIC TEN MILLIONS SIGN
		→ 0489 Ҋ combining cyrillic millions sign
A671	ҋ	COMBINING CYRILLIC HUNDRED MILLIONS SIGN
A672	Ҍ	COMBINING CYRILLIC THOUSAND MILLIONS SIGN

**Punctuation mark**

A673	҅	SLAVONIC ASTERISK
------	---	-------------------

**Combining marks for Old Cyrillic**

A67C	҇	COMBINING CYRILLIC KAVYKA
		• indicates an alternative reading to part of a word → 0306 ҇ combining breve
A67D	҈	COMBINING CYRILLIC PAYEROK
		• may indicate an omitted yer → 033E ҈ combining vertical tilde

**Punctuation mark**

A67E	҉	CYRILLIC KAVYKA
		• used to mark off word that has alternative reading

**Modifier letter**

A67F	Ҋ	CYRILLIC PAYEROK
		• may indicate an omitted yer → 2E2F ' vertical tilde

**Letters for Old Abkhazian orthography**

A680	Ҋ	CYRILLIC CAPITAL LETTER DWE
A681	ҋ	CYRILLIC SMALL LETTER DWE
A682	Ҍ	CYRILLIC CAPITAL LETTER DZWE
A683	Ҍ	CYRILLIC SMALL LETTER DZWE
A684	ҍ	CYRILLIC CAPITAL LETTER ZHWE
A685	ҍ	CYRILLIC SMALL LETTER ZHWE
A686	Ҏ	CYRILLIC CAPITAL LETTER CCHE

A687

Cyrillic Extended-B

A697

- A687 щ CYRILLIC SMALL LETTER CCHE  
A688 Ђ CYRILLIC CAPITAL LETTER DZZE  
A689 я CYRILLIC SMALL LETTER DZZE  
A68A Ѓ CYRILLIC CAPITAL LETTER TE WITH MIDDLE HOOK  
A68B ѕ CYRILLIC SMALL LETTER TE WITH MIDDLE HOOK  
A68C Т CYRILLIC CAPITAL LETTER TWE  
A68D т CYRILLIC SMALL LETTER TWE  
A68E Ќ CYRILLIC CAPITAL LETTER TSWE  
A68F є CYRILLIC SMALL LETTER TSWE  
A690 Т CYRILLIC CAPITAL LETTER TSSE  
A691 т CYRILLIC SMALL LETTER TSSE  
A692 Ч CYRILLIC CAPITAL LETTER TCHE  
A693 ч CYRILLIC SMALL LETTER TCHE  
A694 Ҥ CYRILLIC CAPITAL LETTER HWE  
A695 ҥ CYRILLIC SMALL LETTER HWE  
A696 III CYRILLIC CAPITAL LETTER SHWE  
A697 III CYRILLIC SMALL LETTER SHWE

A720

## Latin Extended-D

A7FF

	A72	A73	A74	A75	A76	A77	A78	A79	A7A	A7B	A7C	A7D	A7E	A7F
0	Ƒ	F	ꝑ	ꝑ	ꝑ	ꝑ	ꝑ	ꝑ	ꝑ					
1	ƒ	s	ꝑ	p	w	d	l	n						
2	ڏ	AA	K	P	ڏ	ڏ	ڏ						h	A7F2
3	ڏ	aa	k	p	ڏ	m	n						k	A7F3
4	ڏ	AO	K	Ѱ	ٻ	n	r						l	A7F4
5	ڏ	ao	ڪ	ѱ	ٻ	r	r						m	A7F5
6	H	AJ	L	Q	P	R	C						n	A7F6
7	ڻ	a	l	q	b	t	c						p	A7F7
8	ڦ	A	L	Q	Y	ڦ	^						s	A7F8
9	ڦ	a	l	q	Y	O	:						t	A7F9
A	ڦ	A	Ө	ڦ	ڏ	ڦ	=						III	A7FA
B	ڦ	a	Ө	ڦ	ڏ	ڦ	!						E	A7FB
C	ڦ	A	O	ڦ	f	ڦ	!						P	A7FC
D	ڦ	a	O	ڦ	f	ڦ	!						M	A7FD
E	ڦ	ڦ	OO	W	9	ڦ	ڦ						I	A7FE
F	ڦ	ڦ	OO	W	9	ڦ	•						W	A7FF

A720

## Latin Extended-D

A779

**Additions for UPA**

- A720 ⠄ MODIFIER LETTER STRESS AND HIGH TONE  
 A721 ⠄ MODIFIER LETTER STRESS AND LOW TONE

**Egyptological additions**

- A722 ⠃ LATIN CAPITAL LETTER EGYPTOLOGICAL ALEF  
 A723 ⠃ LATIN SMALL LETTER EGYPTOLOGICAL ALEF  
 A724 ⠄ LATIN CAPITAL LETTER EGYPTOLOGICAL AIN  
 A725 ⠄ LATIN SMALL LETTER EGYPTOLOGICAL AIN  
     • this is a case pair  
     → 1D25 ⠄ latin letter ain  
     → 1D5C ⠄ modifier letter small ain

**Mayanist additions**

- A726 ⠄ LATIN CAPITAL LETTER HENG  
 A727 ⠄ LATIN SMALL LETTER HENG  
 A728 ⠄ LATIN CAPITAL LETTER TZ  
 A729 ⠄ LATIN SMALL LETTER TZ  
 A72A ⠄ LATIN CAPITAL LETTER TRESILLO  
 A72B ⠄ LATIN SMALL LETTER TRESILLO  
 A72C ⠄ LATIN CAPITAL LETTER CUATRILLO  
 A72D ⠄ LATIN SMALL LETTER CUATRILLO  
 A72E ⠄ LATIN CAPITAL LETTER CUATRILLO WITH COMMA  
 A72F ⠄ LATIN SMALL LETTER CUATRILLO WITH COMMA

**Medievalist additions**

- A730 ⠄ LATIN LETTER SMALL CAPITAL F  
 A731 ⠄ LATIN LETTER SMALL CAPITAL S  
 A732 ⠄ LATIN CAPITAL LETTER AA  
 A733 ⠄ LATIN SMALL LETTER AA  
 A734 ⠄ LATIN CAPITAL LETTER AO  
 A735 ⠄ LATIN SMALL LETTER AO  
 A736 ⠄ LATIN CAPITAL LETTER AU  
 A737 ⠄ LATIN SMALL LETTER AU  
 A738 ⠄ LATIN CAPITAL LETTER AV  
 A739 ⠄ LATIN SMALL LETTER AV  
 A73A ⠄ LATIN CAPITAL LETTER AV WITH HORIZONTAL BAR  
 A73B ⠄ LATIN SMALL LETTER AV WITH HORIZONTAL BAR  
 A73C ⠄ LATIN CAPITAL LETTER AY  
 A73D ⠄ LATIN SMALL LETTER AY  
 A73E ⠄ LATIN CAPITAL LETTER REVERSED C WITH DOT  
 A73F ⠄ LATIN SMALL LETTER REVERSED C WITH DOT  
 A740 ⠄ LATIN CAPITAL LETTER K WITH STROKE  
 A741 ⠄ LATIN SMALL LETTER K WITH STROKE  
 A742 ⠄ LATIN CAPITAL LETTER K WITH DIAGONAL STROKE  
 A743 ⠄ LATIN SMALL LETTER K WITH DIAGONAL STROKE  
 A744 ⠄ LATIN CAPITAL LETTER K WITH STROKE AND DIAGONAL STROKE  
 A745 ⠄ LATIN SMALL LETTER K WITH STROKE AND DIAGONAL STROKE  
 A746 ⠄ LATIN CAPITAL LETTER BROKEN L  
 A747 ⠄ LATIN SMALL LETTER BROKEN L  
 A748 ⠄ LATIN CAPITAL LETTER L WITH HIGH STROKE  
 A749 ⠄ LATIN SMALL LETTER L WITH HIGH STROKE  
 A74A ⠄ LATIN CAPITAL LETTER O WITH LONG STROKE OVERLAY
- A74B ⠄ LATIN SMALL LETTER O WITH LONG STROKE OVERLAY  
 A74C ⠄ LATIN CAPITAL LETTER O WITH LOOP  
 A74D ⠄ LATIN SMALL LETTER O WITH LOOP  
 A74E ⠄ LATIN CAPITAL LETTER OO  
 A74F ⠄ LATIN SMALL LETTER OO  
 A750 ⠄ LATIN CAPITAL LETTER P WITH STROKE THROUGH DESCENDER  
 A751 ⠄ LATIN SMALL LETTER P WITH STROKE THROUGH DESCENDER  
 A752 ⠄ LATIN CAPITAL LETTER P WITH FLOURISH  
 A753 ⠄ LATIN SMALL LETTER P WITH FLOURISH  
 A754 ⠄ LATIN CAPITAL LETTER P WITH SQUIRREL TAIL  
 A755 ⠄ LATIN SMALL LETTER P WITH SQUIRREL TAIL  
 A756 ⠄ LATIN CAPITAL LETTER Q WITH STROKE THROUGH DESCENDER  
 A757 ⠄ LATIN SMALL LETTER Q WITH STROKE THROUGH DESCENDER  
 A758 ⠄ LATIN CAPITAL LETTER Q WITH DIAGONAL STROKE  
 A759 ⠄ LATIN SMALL LETTER Q WITH DIAGONAL STROKE  
 A75A ⠄ LATIN CAPITAL LETTER R ROTUNDA  
 A75B ⠄ LATIN SMALL LETTER R ROTUNDA  
 A75C ⠄ LATIN CAPITAL LETTER RUM ROTUNDA  
 A75D ⠄ LATIN SMALL LETTER RUM ROTUNDA  
 A75E ⠄ LATIN CAPITAL LETTER V WITH DIAGONAL STROKE  
 A75F ⠄ LATIN SMALL LETTER V WITH DIAGONAL STROKE  
 A760 ⠄ LATIN CAPITAL LETTER VY  
 A761 ⠄ LATIN SMALL LETTER VY  
 A762 ⠄ LATIN CAPITAL LETTER VISIGOTHIC Z  
 A763 ⠄ LATIN SMALL LETTER VISIGOTHIC Z  
 A764 ⠄ LATIN CAPITAL LETTER THORN WITH STROKE  
 A765 ⠄ LATIN SMALL LETTER THORN WITH STROKE  
 A766 ⠄ LATIN CAPITAL LETTER THORN WITH STROKE THROUGH DESCENDER  
 A767 ⠄ LATIN SMALL LETTER THORN WITH STROKE THROUGH DESCENDER  
 A768 ⠄ LATIN CAPITAL LETTER VEND  
 A769 ⠄ LATIN SMALL LETTER VEND  
 A770 ⠄ LATIN CAPITAL LETTER ET  
 A771 ⠄ LATIN SMALL LETTER ET  
 A772 ⠄ LATIN CAPITAL LETTER IS  
 A773 ⠄ LATIN SMALL LETTER IS  
 A774 ⠄ LATIN SMALL LETTER CON  
 A775 ⠄ LATIN SMALL LETTER CON  
 A776 ⠄ MODIFIER LETTER US  
 A777 ⠄ ≈ <super> A76F ⠄  
 A778 ⠄ LATIN SMALL LETTER DUM  
 A779 ⠄ LATIN SMALL LETTER LUM  
 A780 ⠄ LATIN SMALL LETTER MUM  
 A781 ⠄ LATIN SMALL LETTER NUM  
 A782 ⠄ LATIN SMALL LETTER RUM  
 A783 ⠄ LATIN LETTER SMALL CAPITAL RUM  
 A784 ⠄ LATIN SMALL LETTER TUM  
 A785 ⠄ LATIN SMALL LETTER UM

**Insular and Celticist letters**

- A779 ⠄ LATIN CAPITAL LETTER INSULAR D

A77A

## Latin Extended-D

A7C8

A77A	ð	LATIN SMALL LETTER INSULAR D
A77B	ƒ	LATIN CAPITAL LETTER INSULAR F
A77C	ƒ	LATIN SMALL LETTER INSULAR F
A77D	ð	LATIN CAPITAL LETTER INSULAR G
		• lowercase is 1D79 ȝ
A77E	ȝ	LATIN CAPITAL LETTER TURNED INSULAR G
A77F	ȝ	LATIN SMALL LETTER TURNED INSULAR G
A780	ӏ	LATIN CAPITAL LETTER TURNED L
A781	ӏ	LATIN SMALL LETTER TURNED L
A782	ӏ	LATIN CAPITAL LETTER INSULAR R
A783	ӏ	LATIN SMALL LETTER INSULAR R
A784	ӏ	LATIN CAPITAL LETTER INSULAR S
A785	ӏ	LATIN SMALL LETTER INSULAR S
A786	ӏ	LATIN CAPITAL LETTER INSULAR T
A787	ӏ	LATIN SMALL LETTER INSULAR T

**Modifier letters**

A788	^	MODIFIER LETTER LOW CIRCUMFLEX ACCENT → 0206 ^ modifier letter circumflex accent → 2038 ^ caret
A789	:	MODIFIER LETTER COLON • used as a tone letter in some orthographies • Budu (Congo), Sabaot (Kenya), and several Papua New Guinea languages → 003A : colon
A78A	=	MODIFIER LETTER SHORT EQUALS SIGN • used as a tone letter in some orthographies • Budu (Congo) → 003D = equals sign

**Orthographic letters for glottals**

A78B	'	LATIN CAPITAL LETTER SALTILO
A78C	'	LATIN SMALL LETTER SALTILO • saltillos are used as a casing pair for glottal stop in some orthographies • Huasteco and other languages of Mexico, Izere (Nigeria) → 0027 ' apostrophe → 0242 ՞ latin small letter glottal stop → 0294 ؽ latin letter glottal stop → 02BC ' modifier letter apostrophe → 02C0 ؽ modifier letter glottal stop

**African letter**

A78D	߄	LATIN CAPITAL LETTER TURNED H • used in the Dan/Gio orthography in Liberia • lowercase is 0265߄
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**Phonetic symbol**

A78E	‡	LATIN SMALL LETTER L WITH RETROFLEX HOOK AND BELT • voiceless lateral retroflex fricative • used to transcribe Toda
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**Transliteration letter**

A78F	·	LATIN LETTER MIDDLE DOT • used for transliteration for Phags-Pa and phonetic transcription for Tangut → 00B7 · middle dot
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**UPA letters**

A790	ጀ	LATIN CAPITAL LETTER N WITH DESCENDER → 014Aጀ latin capital letter eng
A791	ጀ	LATIN SMALL LETTER N WITH DESCENDER
A792	ጀ	<reserved>
A793	ጀ	<reserved>
A794	ጀ	<reserved>
A795	ጀ	<reserved>
A796	ጀ	<reserved>
A797	ጀ	<reserved>
A798	ጀ	<reserved>
A799	ጀ	<reserved>
A79A	ጀ	<reserved>
A79B	ጀ	<reserved>
A79C	ጀ	<reserved>
A79D	ጀ	<reserved>
A79E	ጀ	<reserved>
A79F	ጀ	<reserved>
A7A0	ጀ	<reserved>
A7A1	ጀ	<reserved>
A7A2	ጀ	<reserved>
A7A3	ጀ	<reserved>
A7A4	ጀ	<reserved>
A7A5	ጀ	<reserved>
A7A6	ጀ	<reserved>
A7A7	ጀ	<reserved>
A7A8	ጀ	<reserved>
A7A9	ጀ	<reserved>
A7AA	ጀ	<reserved>
A7AB	ጀ	<reserved>
A7AC	ጀ	<reserved>
A7AD	ጀ	<reserved>
A7AE	ጀ	<reserved>
A7AF	ጀ	<reserved>
A7B0	ጀ	<reserved>
A7B1	ጀ	<reserved>
A7B2	ጀ	<reserved>
A7B3	ጀ	<reserved>
A7B4	ጀ	<reserved>
A7B5	ጀ	<reserved>
A7B6	ጀ	<reserved>
A7B7	ጀ	<reserved>
A7B8	ጀ	<reserved>
A7B9	ጀ	<reserved>
A7BA	ጀ	<reserved>
A7BB	ጀ	<reserved>
A7BC	ጀ	<reserved>
A7BD	ጀ	<reserved>
A7BE	ጀ	<reserved>
A7BF	ጀ	<reserved>
A7C0	ጀ	<reserved>
A7C1	ጀ	<reserved>
A7C2	ጀ	<reserved>
A7C3	ጀ	<reserved>
A7C4	ጀ	<reserved>
A7C5	ጀ	<reserved>
A7C6	ጀ	<reserved>
A7C7	ጀ	<reserved>
A7C8	ጀ	<reserved>

A7C9

Latin Extended-D

A7FF

A7C9		<reserved>
A7CA		<reserved>
A7CB		<reserved>
A7CC		<reserved>
A7CD		<reserved>
A7CE		<reserved>
A7CF		<reserved>
A7D0		<reserved>
A7D1		<reserved>
A7D2		<reserved>
A7D3		<reserved>
A7D4		<reserved>
A7D5		<reserved>
A7D6		<reserved>
A7D7		<reserved>
A7D8		<reserved>
A7D9		<reserved>
A7DA		<reserved>
A7DB		<reserved>
A7DC		<reserved>
A7DD		<reserved>
A7DE		<reserved>
A7DF		<reserved>
A7E0		<reserved>
A7E1		<reserved>
A7E2		<reserved>
A7E3		<reserved>
A7E4		<reserved>
A7E5		<reserved>
A7E6		<reserved>
A7E7		<reserved>
A7E8		<reserved>
A7E9		<reserved>
A7EA		<reserved>
A7EB		<reserved>
A7EC		<reserved>
A7ED		<reserved>
A7EE		<reserved>
A7EF		<reserved>
A7F0		<reserved>
A7F1		<reserved>
A7F2		LATIN SUBSCRIPT SMALL LETTER H
A7F3		LATIN SUBSCRIPT SMALL LETTER K
A7F4		LATIN SUBSCRIPT SMALL LETTER L
A7F5		LATIN SUBSCRIPT SMALL LETTER M
A7F6		LATIN SUBSCRIPT SMALL LETTER N
A7F7		LATIN SUBSCRIPT SMALL LETTER P
A7F8		LATIN SUBSCRIPT SMALL LETTER S
A7F9		LATIN SUBSCRIPT SMALL LETTER T
A7FA		LATIN LETTER SMALL CAPITAL TURNED M

**Ancient Roman epigraphic letters**

A7FB		LATIN EPIGRAPHIC LETTER REVERSED F
A7FC		LATIN EPIGRAPHIC LETTER REVERSED P
A7FD		LATIN EPIGRAPHIC LETTER INVERTED M
A7FE		LATIN EPIGRAPHIC LETTER I LONGA
A7FF		LATIN EPIGRAPHIC LETTER ARCHAIC M

AB00

## Ethiopic Extended-A

AB2F

	AB0	AB1	AB2
0			፩፩፩ AB20
1	፩፪ AB01	፩፫ AB11	፩፩፪ AB21
2	፩፬ AB02	፩፭ AB12	፩፩፬ AB22
3	፩፮ AB03	፩፯ AB13	፩፩፮ AB23
4	፩፰ AB04	፩፱ AB14	፩፩፰ AB24
5	፩፲ AB05	፩፳ AB15	፩፩፲ AB25
6	፩፴ AB06	፩፵ AB16	፩፩፴ AB26
7			
8			፩፷ AB28
9	፩፸ AB09		፩፹ AB29
A	፩፻ AB0A		፩፻ AB2A
B	፩፼ AB0B		፩፻ AB2B
C	፩፽ AB0C		፩፻ AB2C
D	፩፾ AB0D		፩፻ AB2D
E	፩፿ AB0E		፩፻ AB2E
F			

**Gamo-Gofa-Dawro and Basketo**

- AB01 የ· ETHIOPIC SYLLABLE TTHU  
 AB02 የ· ETHIOPIC SYLLABLE TTHI  
 AB03 የ· ETHIOPIC SYLLABLE TTHAA  
 AB04 የ· ETHIOPIC SYLLABLE TTHEE  
 AB05 የ· ETHIOPIC SYLLABLE TTHE  
 AB06 የ· ETHIOPIC SYLLABLE TTHO  
 AB07 █ <reserved>  
 AB08 █ <reserved>  
 AB09 የ· ETHIOPIC SYLLABLE DDHU  
 AB0A የ· ETHIOPIC SYLLABLE DDHI  
 AB0B የ· ETHIOPIC SYLLABLE DDHAA  
 AB0C የ· ETHIOPIC SYLLABLE DDHEE  
 AB0D የ· ETHIOPIC SYLLABLE DDHE  
 AB0E የ· ETHIOPIC SYLLABLE DDHO

**Gamo-Gofa-Dawro**

- AB11 የ· ETHIOPIC SYLLABLE DZU  
 AB12 የ· ETHIOPIC SYLLABLE DZI  
 AB13 የ· ETHIOPIC SYLLABLE DZAA  
 AB14 የ· ETHIOPIC SYLLABLE DZEE  
 AB15 የ· ETHIOPIC SYLLABLE DZE  
 AB16 የ· ETHIOPIC SYLLABLE DZO

**Gumuz**

- AB20 የ· ETHIOPIC SYLLABLE CCHHA  
 AB21 የ· ETHIOPIC SYLLABLE CCHHU  
 AB22 የ· ETHIOPIC SYLLABLE CCHHI  
 AB23 የ· ETHIOPIC SYLLABLE CCHHAA  
 AB24 የ· ETHIOPIC SYLLABLE CCHHEE  
 AB25 የ· ETHIOPIC SYLLABLE CCHHE  
 AB26 የ· ETHIOPIC SYLLABLE CCHHO  
 AB27 █ <reserved>  
 AB28 የ· ETHIOPIC SYLLABLE BBA  
 AB29 የ· ETHIOPIC SYLLABLE BBU  
 AB2A የ· ETHIOPIC SYLLABLE BBI  
 AB2B የ· ETHIOPIC SYLLABLE BBAA  
 AB2C የ· ETHIOPIC SYLLABLE BBEE  
 AB2D የ· ETHIOPIC SYLLABLE BBE  
 AB2E የ· ETHIOPIC SYLLABLE BBO

	1680	1681	1682	1683	1684	1685	1686	1687	1688	1689	168A	168B
0												
1												
2												
3												
4												
5												
6												
7												
8												
9												
A												
B												
C												
D												
E												
F												

16800

## Bamum Supplement

16870

**Characters found through Phase A**

16800	❖ BAMUM LETTER PHASE-A NGKUE MFON
16801	❖ BAMUM LETTER PHASE-A GBIEE FON
16802	❖ BAMUM LETTER PHASE-A PON MFON PIPAEMGBIEE
16803	❖ BAMUM LETTER PHASE-A PON MFON PIPAEMBA
16804	❖ BAMUM LETTER PHASE-A NAA MFON
16805	❖ BAMUM LETTER PHASE-A SHUENSHUET
16806	❖ BAMUM LETTER PHASE-A TITA MFON
16807	❖ BAMUM LETTER PHASE-A NZA MFON
16808	❖ BAMUM LETTER PHASE-A SHINDA PA NJI
16809	❖ BAMUM LETTER PHASE-A PON PA NJI PIPAEMGBIEE
1680A	❖ BAMUM LETTER PHASE-A PON PA NJI PIPAEMBA
1680B	❖ BAMUM LETTER PHASE-A MAEMBGIEE
1680C	❖ BAMUM LETTER PHASE-A TU MAEMBA
1680D	❖ BAMUM LETTER PHASE-A NGANGU
1680E	❖ BAMUM LETTER PHASE-A MAEMIVEUX
1680F	❖ BAMUM LETTER PHASE-A MANSUAE
16810	❖ BAMUM LETTER PHASE-A MVEUAENGAM
16811	❖ BAMUM LETTER PHASE-A SEUNYAM
16812	❖ BAMUM LETTER PHASE-A NTQOPEN
16813	❖ BAMUM LETTER PHASE-A KEUKEUTNDA
16814	❖ BAMUM LETTER PHASE-A NKINDI
16815	❖ BAMUM LETTER PHASE-A SUU
16816	❖ BAMUM LETTER PHASE-A NGKUENZEUM
16817	❖ BAMUM LETTER PHASE-A LAPAQ
16818	❖ BAMUM LETTER PHASE-A LET KUT
16819	❖ BAMUM LETTER PHASE-A NTAP MFAA
1681A	❖ BAMUM LETTER PHASE-A MAEKEUP
1681B	❖ BAMUM LETTER PHASE-A PASHAE
1681C	❖ BAMUM LETTER PHASE-A GHEUERAЕ
1681D	❖ BAMUM LETTER PHASE-A PAMSHAE
1681E	❖ BAMUM LETTER PHASE-A MON NGGEUAET
1681F	❖ BAMUM LETTER PHASE-A NZUN MEUT
16820	❖ BAMUM LETTER PHASE-A U YUQ NAE
16821	❖ BAMUM LETTER PHASE-A GHEUAEGHUEAE
16822	❖ BAMUM LETTER PHASE-A NTAP NTAA
16823	BAMUM LETTER PHASE-A SISA
16824	❖ BAMUM LETTER PHASE-A MGBASA
16825	❖ BAMUM LETTER PHASE-A MEUNJOMNDEUQ
16826	❖ BAMUM LETTER PHASE-A MOOMPUQ
16827	❖ BAMUM LETTER PHASE-A KAFA
16828	❖ BAMUM LETTER PHASE-A PA LEERAEGA
16829	❖ BAMUM LETTER PHASE-A NDA LEERAEGA
1682A	❖ BAMUM LETTER PHASE-A PET
1682B	❖ BAMUM LETTER PHASE-A MAEMKPEN
1682C	❖ BAMUM LETTER PHASE-A NIKA
1682D	❖ BAMUM LETTER PHASE-A PUP
1682E	❖ BAMUM LETTER PHASE-A TUAEP
1682F	❖ BAMUM LETTER PHASE-A LUAEP
16830	❖ BAMUM LETTER PHASE-A SONJAM
16831	❖ BAMUM LETTER PHASE-A TEUTEUWEN
16832	❖ BAMUM LETTER PHASE-A MAENYI
16833	❖ BAMUM LETTER PHASE-A KET
16834	❖ BAMUM LETTER PHASE-A NDAANGGEUAET
16835	❖ BAMUM LETTER PHASE-A KUOQ
16836	❖ BAMUM LETTER PHASE-A MOOMEUT

16837	❖ BAMUM LETTER PHASE-A SHUM
16838	❖ BAMUM LETTER PHASE-A LOMMAE
16839	❖ BAMUM LETTER PHASE-A FIRI
1683A	❖ BAMUM LETTER PHASE-A ROM
1683B	❖ BAMUM LETTER PHASE-A KPOQ
1683C	❖ BAMUM LETTER PHASE-A SOQ
1683D	❖ BAMUM LETTER PHASE-A MAP PIEET
1683E	❖ BAMUM LETTER PHASE-A SHIRAE
1683F	❖ BAMUM LETTER PHASE-A NTAP
16840	❖ BAMUM LETTER PHASE-A SHOQ NSHUT YUM
16841	❖ BAMUM LETTER PHASE-A NYIT MONGKEUAEQ
16842	❖ BAMUM LETTER PHASE-A PAARAE
16843	❖ BAMUM LETTER PHASE-A NKAARAE
16844	❖ BAMUM LETTER PHASE-A UNKNOWN
16845	❖ BAMUM LETTER PHASE-A NGGEN
16846	❖ BAMUM LETTER PHASE-A MAESI
16847	❖ BAMUM LETTER PHASE-A NJAM
16848	❖ BAMUM LETTER PHASE-A MBANYI
16849	❖ BAMUM LETTER PHASE-A NYET
1684A	❖ BAMUM LETTER PHASE-A TEUAEN
1684B	❖ BAMUM LETTER PHASE-A SOT
1684C	❖ BAMUM LETTER PHASE-A PAAM
1684D	❖ BAMUM LETTER PHASE-A NSHIEE
1684E	❖ BAMUM LETTER PHASE-A MAEM
1684F	❖ BAMUM LETTER PHASE-A NYI
16850	❖ BAMUM LETTER PHASE-A KAQ
16851	❖ BAMUM LETTER PHASE-A NSHA
16852	❖ BAMUM LETTER PHASE-A VEE
16853	❖ BAMUM LETTER PHASE-A LU
16854	❖ BAMUM LETTER PHASE-A NEN
16855	❖ BAMUM LETTER PHASE-A NAQ
16856	❖ BAMUM LETTER PHASE-A MBAQ

**Characters found through Phase B**

16857	❖ BAMUM LETTER PHASE-B NSHUET
16858	❖ BAMUM LETTER PHASE-B TU MAEMGBIEE
16859	❖ BAMUM LETTER PHASE-B SIEE
1685A	❖ BAMUM LETTER PHASE-B SET TU
1685B	❖ BAMUM LETTER PHASE-B LOM NTEUM
1685C	❖ BAMUM LETTER PHASE-B MBA MAELEE
1685D	❖ BAMUM LETTER PHASE-B KIEEM
1685E	❖ BAMUM LETTER PHASE-B YEURAE
1685F	❖ BAMUM LETTER PHASE-B MBAARAE
16860	❖ BAMUM LETTER PHASE-B KAM
16861	❖ BAMUM LETTER PHASE-B PEESHI
16862	❖ BAMUM LETTER PHASE-B YAFL LEERAEGA
16863	❖ BAMUM LETTER PHASE-B LAM NSHUT NYAM
16864	❖ BAMUM LETTER PHASE-B NTIEE SHEUOQ
16865	❖ BAMUM LETTER PHASE-B NDU NJAA
16866	❖ BAMUM LETTER PHASE-B GHEUGHEUAEM
16867	❖ BAMUM LETTER PHASE-B PIT
16868	❖ BAMUM LETTER PHASE-B TU NSIEE
16869	❖ BAMUM LETTER PHASE-B SHET NJAQ
1686A	❖ BAMUM LETTER PHASE-B SHEUAEQTU
1686B	❖ BAMUM LETTER PHASE-B MFON TEUAEQ
1686C	❖ BAMUM LETTER PHASE-B MBIT MBAAKET
1686D	❖ BAMUM LETTER PHASE-B NYI NTEUM
1686E	❖ BAMUM LETTER PHASE-B KEUPUQ
1686F	❖ BAMUM LETTER PHASE-B GHEUGHEN
16870	❖ BAMUM LETTER PHASE-B KEUYEUX

16871

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168BF

16871	❖ BAMUM LETTER PHASE-B LAANAE • nsen in Phases C-E	168A8	❖ BAMUM LETTER PHASE-C KPARAQ
16872	❖ BAMUM LETTER PHASE-B PARUM	168A9	❖ BAMUM LETTER PHASE-C KAA
	• nsen in Phases C-E	168AA	❖ BAMUM LETTER PHASE-C SEUX
16873	❖ BAMUM LETTER PHASE-B VEUM	168AB	❖ BAMUM LETTER PHASE-C NDIDA
16874	❖ BAMUM LETTER PHASE-B NGKINDI MVOP	168AC	❖ BAMUM LETTER PHASE-C TAASHAE
16875	❖ BAMUM LETTER PHASE-B NGGEU MBU	168AD	❖ BAMUM LETTER PHASE-C NJUEQ
16876	❖ BAMUM LETTER PHASE-B WUAET	168AE	❖ BAMUM LETTER PHASE-C TITA YUE
16877	❖ BAMUM LETTER PHASE-B SAKEUAE	168AF	❖ BAMUM LETTER PHASE-C SUAET
16878	❖ BAMUM LETTER PHASE-B TAAM	168B0	❖ BAMUM LETTER PHASE-C NGGUAE NYAM
16879	❖ BAMUM LETTER PHASE-B MEUQ	168B1	❖ BAMUM LETTER PHASE-C VEUX
1687A	❖ BAMUM LETTER PHASE-B NGGUOQ	168B2	❖ BAMUM LETTER PHASE-C NANSANAQ
1687B	❖ BAMUM LETTER PHASE-B NGGUOQ LARGE	168B3	❖ BAMUM LETTER PHASE-C MA KEUAERI
1687C	❖ BAMUM LETTER PHASE-B MFIYAQ	168B4	❖ BAMUM LETTER PHASE-C NTAA
1687D	❖ BAMUM LETTER PHASE-B SUE	168B5	❖ BAMUM LETTER PHASE-C NGGUON
1687E	❖ BAMUM LETTER PHASE-B MBEURI	168B6	❖ BAMUM LETTER PHASE-C LAP
1687F	❖ BAMUM LETTER PHASE-B MONTIEEN	168B7	❖ BAMUM LETTER PHASE-C MBIRIEEN
16880	❖ BAMUM LETTER PHASE-B NYAEMAE	168B8	❖ BAMUM LETTER PHASE-C MGBASAQ
16881	❖ BAMUM LETTER PHASE-B PUNGAAM	168B9	❖ BAMUM LETTER PHASE-C NTEUNGBA
16882	❖ BAMUM LETTER PHASE-B MEUT NGGEET	168BA	❖ BAMUM LETTER PHASE-C TEUTEUX
16883	❖ BAMUM LETTER PHASE-B FEUX	168BB	❖ BAMUM LETTER PHASE-C NGGUM
16884	❖ BAMUM LETTER PHASE-B MBUOQ	168BC	❖ BAMUM LETTER PHASE-C FUE
16885	❖ BAMUM LETTER PHASE-B FEE	168BD	❖ BAMUM LETTER PHASE-C NDEUT
16886	❖ BAMUM LETTER PHASE-B KEUAEM	168BE	❖ BAMUM LETTER PHASE-C NSA
16887	❖ BAMUM LETTER PHASE-B MA NJUEAENA	168BF	❖ BAMUM LETTER PHASE-C NSHAQ
16888	❖ BAMUM LETTER PHASE-B MA NJUQA		
16889	❖ BAMUM LETTER PHASE-B LET		
1688A	❖ BAMUM LETTER PHASE-B NGGAAM		
1688B	❖ BAMUM LETTER PHASE-B NSEN		
1688C	❖ BAMUM LETTER PHASE-B MA		
1688D	❖ BAMUM LETTER PHASE-B KIQ		
1688E	❖ BAMUM LETTER PHASE-B NGOM		

**Characters found through Phase C**

1688F	❖ BAMUM LETTER PHASE-C NGKUE MAEMBA
16890	❖ BAMUM LETTER PHASE-C NZA
16891	❖ BAMUM LETTER PHASE-C YUM
16892	❖ BAMUM LETTER PHASE-C WANGKUOQ
16893	❖ BAMUM LETTER PHASE-C NGGEN
16894	❖ BAMUM LETTER PHASE-C NDEUAERE
16895	❖ BAMUM LETTER PHASE-C NGKAQ
16896	❖ BAMUM LETTER PHASE-C GHARAE
16897	❖ BAMUM LETTER PHASE-C MBEEKEET
16898	❖ BAMUM LETTER PHASE-C GBAYI
16899	❖ BAMUM LETTER PHASE-C NYIR MKPARAQ MEUN
1689A	❖ BAMUM LETTER PHASE-C NTU MBIT
1689B	❖ BAMUM LETTER PHASE-C MBEUM
1689C	❖ BAMUM LETTER PHASE-C PIRIEEN
1689D	❖ BAMUM LETTER PHASE-C NDOMBU
1689E	❖ BAMUM LETTER PHASE-C MBAA CABBAGE-TREE
1689F	❖ BAMUM LETTER PHASE-C KEUSHEUAEP
168A0	❖ BAMUM LETTER PHASE-C GHAP
168A1	❖ BAMUM LETTER PHASE-C KEUKAQ
168A2	❖ BAMUM LETTER PHASE-C YU MUOMAE
168A3	❖ BAMUM LETTER PHASE-C NZEUM
168A4	❖ BAMUM LETTER PHASE-C MBUE
168A5	❖ BAMUM LETTER PHASE-C NSEUAEN
168A6	❖ BAMUM LETTER PHASE-C MBIT
168A7	❖ BAMUM LETTER PHASE-C YEUQ

168C0

## Bamum Supplement

1697F

168C 168D 168E 168F 1690 1691 1692 1693 1694 1695 1696 1697

A											
B											
C											
D											
E											
F											

168C0

## Bamum Supplement

16930

168C0	BAMUM LETTER PHASE-C BUNG
168C1	BAMUM LETTER PHASE-C VEUAEPEN
168C2	BAMUM LETTER PHASE-C MBERAE
168C3	BAMUM LETTER PHASE-C RU
168C4	BAMUM LETTER PHASE-C NJAEM
168C5	BAMUM LETTER PHASE-C LAM
168C6	BAMUM LETTER PHASE-C TITUAEP
168C7	BAMUM LETTER PHASE-C NSUOT NGOM
168C8	BAMUM LETTER PHASE-C NJEEEE
168C9	BAMUM LETTER PHASE-C KET
168CA	BAMUM LETTER PHASE-C NGGU
168CB	BAMUM LETTER PHASE-C MAESI
168CC	BAMUM LETTER PHASE-C MBUAEM
168CD	BAMUM LETTER PHASE-C LU
168CE	BAMUM LETTER PHASE-C KUT
168CF	BAMUM LETTER PHASE-C NJAM
168D0	BAMUM LETTER PHASE-C NGOM
168D1	BAMUM LETTER PHASE-C WUP
168D2	BAMUM LETTER PHASE-C NGGUEET
168D3	BAMUM LETTER PHASE-C NSOM
168D4	BAMUM LETTER PHASE-C NTEN
168D5	BAMUM LETTER PHASE-C KUOP NKAARAE
168D6	BAMUM LETTER PHASE-C NSUN
168D7	BAMUM LETTER PHASE-C NDAM
	• pen in Phase D
168D8	BAMUM LETTER PHASE-C MA NSIEE
168D9	BAMUM LETTER PHASE-C YAA
168DA	BAMUM LETTER PHASE-C NDAP
168DB	BAMUM LETTER PHASE-C SHUEQ
168DC	BAMUM LETTER PHASE-C SETFON
168DD	BAMUM LETTER PHASE-C MBI
168DE	BAMUM LETTER PHASE-C MAEMBA
168DF	BAMUM LETTER PHASE-C MBANYI
168E0	BAMUM LETTER PHASE-C KEUSEUX
168E1	BAMUM LETTER PHASE-C MBEUX
168E2	BAMUM LETTER PHASE-C KEUM
168E3	BAMUM LETTER PHASE-C MBAA PICKET
168E4	BAMUM LETTER PHASE-C YUWOQ
168E5	BAMUM LETTER PHASE-C NJEUX
168E6	BAMUM LETTER PHASE-C MIEE
168E7	BAMUM LETTER PHASE-C MUAE
168E8	BAMUM LETTER PHASE-C SHIQ
168E9	BAMUM LETTER PHASE-C KEN LAW
168EA	BAMUM LETTER PHASE-C KEN FATIGUE
168EB	BAMUM LETTER PHASE-C NGAQ
168EC	BAMUM LETTER PHASE-C NAQ
168ED	BAMUM LETTER PHASE-C LIQ
168EE	BAMUM LETTER PHASE-C PIN
168EF	BAMUM LETTER PHASE-C PEN
168F0	BAMUM LETTER PHASE-C TET

**Characters found through Phase D**

168F1	BAMUM LETTER PHASE-D MBUO
168F2	BAMUM LETTER PHASE-D WAP
168F3	BAMUM LETTER PHASE-D NJI
168F4	BAMUM LETTER PHASE-D MFON
168F5	BAMUM LETTER PHASE-D NJIEE
168F6	BAMUM LETTER PHASE-D LIEE
168F7	BAMUM LETTER PHASE-D NJEUT
168F8	BAMUM LETTER PHASE-D NSHEE

168F9	BAMUM LETTER PHASE-D NGGAAMAE
168FA	BAMUM LETTER PHASE-D NYAM
168FB	BAMUM LETTER PHASE-D WUAEN
	• ti in Phases E-F
168FC	BAMUM LETTER PHASE-D NGKUN
168FD	BAMUM LETTER PHASE-D SHEE
168FE	BAMUM LETTER PHASE-D NGKAP
168FF	BAMUM LETTER PHASE-D KEUATMEUN
16900	BAMUM LETTER PHASE-D TEUT
16901	BAMUM LETTER PHASE-D SHEUAE
16902	BAMUM LETTER PHASE-D NJAP
16903	BAMUM LETTER PHASE-D SUE
16904	BAMUM LETTER PHASE-D KET
16905	BAMUM LETTER PHASE-D YAEMMAE
16906	BAMUM LETTER PHASE-D KUOM
16907	BAMUM LETTER PHASE-D SAP
16908	BAMUM LETTER PHASE-D MFEUT
16909	BAMUM LETTER PHASE-D NDEUX
1690A	BAMUM LETTER PHASE-D MALEERI
1690B	BAMUM LETTER PHASE-D MEUT
1690C	BAMUM LETTER PHASE-D SEUAEQ
1690D	BAMUM LETTER PHASE-D YEN
1690E	BAMUM LETTER PHASE-D NJEUAEM
1690F	BAMUM LETTER PHASE-D KEUOT MBUAE
16910	BAMUM LETTER PHASE-D NGKEURI
16911	BAMUM LETTER PHASE-D TU
16912	BAMUM LETTER PHASE-D GHAA
16913	BAMUM LETTER PHASE-D NGKYEE
16914	BAMUM LETTER PHASE-D FEUFEUET
16915	BAMUM LETTER PHASE-D NDEE
16916	BAMUM LETTER PHASE-D MGBOFUM
16917	BAMUM LETTER PHASE-D LEUAEP
16918	BAMUM LETTER PHASE-D NDON
16919	BAMUM LETTER PHASE-D MONI
1691A	BAMUM LETTER PHASE-D MGBEUN
1691B	BAMUM LETTER PHASE-D PUUT
1691C	BAMUM LETTER PHASE-D MGBIEE
1691D	BAMUM LETTER PHASE-D MFO
1691E	BAMUM LETTER PHASE-D LUM
1691F	BAMUM LETTER PHASE-D NSIEEP
16920	BAMUM LETTER PHASE-D MBAA
16921	BAMUM LETTER PHASE-D KWAET
16922	BAMUM LETTER PHASE-D NYET
16923	BAMUM LETTER PHASE-D TEUAEN
16924	BAMUM LETTER PHASE-D SOT
16925	BAMUM LETTER PHASE-D YUWOQ
16926	BAMUM LETTER PHASE-D KEUM
16927	BAMUM LETTER PHASE-D RAEM
16928	BAMUM LETTER PHASE-D TEEE
16929	BAMUM LETTER PHASE-D NGKEUAEQ
	• faamae '8' in Phase F
1692A	BAMUM LETTER PHASE-D MFEUAE
1692B	BAMUM LETTER PHASE-D NSIEET
1692C	BAMUM LETTER PHASE-D KEUP
1692D	BAMUM LETTER PHASE-D PIP
1692E	BAMUM LETTER PHASE-D PEUTAE
1692F	BAMUM LETTER PHASE-D NYUE
16930	BAMUM LETTER PHASE-D LET
	• lee in Phases E-F

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16931	⌚ BAMUM LETTER PHASE-D NGGAAM • mu in Phases E-F
16932	⌚ BAMUM LETTER PHASE-D MFIEE
16933	⌚ BAMUM LETTER PHASE-D NGGWAEN
16934	⌚ BAMUM LETTER PHASE-D YUOM
16935	⌚ BAMUM LETTER PHASE-D PAP
16936	⌚ BAMUM LETTER PHASE-D YUOP
16937	⌚ BAMUM LETTER PHASE-D NDAM
16938	⌚ BAMUM LETTER PHASE-D NTEUM
16939	⌚ BAMUM LETTER PHASE-D SUAE
1693A	⌚ BAMUM LETTER PHASE-D KUN
1693B	⌚ BAMUM LETTER PHASE-D NGGEUX
1693C	⌚ BAMUM LETTER PHASE-D NGKIEE
1693D	⌚ BAMUM LETTER PHASE-D TUOT
1693E	⌚ BAMUM LETTER PHASE-D MEUN
1693F	⌚ BAMUM LETTER PHASE-D KUQ
16940	⌚ BAMUM LETTER PHASE-D NSUM
16941	⌚ BAMUM LETTER PHASE-D TEUN
16942	⌚ BAMUM LETTER PHASE-D MAENJET
16943	⌚ BAMUM LETTER PHASE-D NGGAP
16944	⌚ BAMUM LETTER PHASE-D LEUM
16945	⌚ BAMUM LETTER PHASE-D NGGUOM
16946	⌚ BAMUM LETTER PHASE-D NSHUT
16947	⌚ BAMUM LETTER PHASE-D NJUEQ
16948	⌚ BAMUM LETTER PHASE-D GHEUAE
16949	⌚ BAMUM LETTER PHASE-D KU
1694A	⌚ BAMUM LETTER PHASE-D REN OLD
1694B	⌚ BAMUM LETTER PHASE-D TAE
1694C	⌚ BAMUM LETTER PHASE-D TOQ
1694D	⌚ BAMUM LETTER PHASE-D NYI
1694E	⌚ BAMUM LETTER PHASE-D RII
1694F	⌚ BAMUM LETTER PHASE-D LEEEE
16950	⌚ BAMUM LETTER PHASE-D MEEEE • meq in Phase E
16951	⌚ BAMUM LETTER PHASE-D M
16952	⌚ BAMUM LETTER PHASE-D SUU
16953	⌚ BAMUM LETTER PHASE-D MU
16954	⌚ BAMUM LETTER PHASE-D SHII
16955	⌚ BAMUM LETTER PHASE-D SHEUX
16956	⌚ BAMUM LETTER PHASE-D KYEE
16957	⌚ BAMUM LETTER PHASE-D NU
16958	⌚ BAMUM LETTER PHASE-D SHU
16959	⌚ BAMUM LETTER PHASE-D NTEE
1695A	⌚ BAMUM LETTER PHASE-D PEE
1695B	⌚ BAMUM LETTER PHASE-D NI
1695C	⌚ BAMUM LETTER PHASE-D SHOQ
1695D	⌚ BAMUM LETTER PHASE-D PUQ
1695E	⌚ BAMUM LETTER PHASE-D MVOP
1695F	⌚ BAMUM LETTER PHASE-D LOQ
16960	⌚ BAMUM LETTER PHASE-D REN MUCH
16961	⌚ BAMUM LETTER PHASE-D TI
16962	⌚ BAMUM LETTER PHASE-D NTUU
16963	⌚ BAMUM LETTER PHASE-D MBAA SEVEN • used after 16985 ⚡ for samba ‘7’ in Phases A-D
16964	⌚ BAMUM LETTER PHASE-D SAQ
16965	⌚ BAMUM LETTER PHASE-D FAA • used before 169B8 ⚠ for faamae ‘8’ in Phases A-D

## Characters found through Phase E

16966	⌚ BAMUM LETTER PHASE-E NDAP • i in Phase F
16967	⌚ BAMUM LETTER PHASE-E TOON
16968	⌚ BAMUM LETTER PHASE-E MBEUM
16969	⌚ BAMUM LETTER PHASE-E LAP • men in Phase F
1696A	⌚ BAMUM LETTER PHASE-E VOM
1696B	⌚ BAMUM LETTER PHASE-E LOON
1696C	⌚ BAMUM LETTER PHASE-E PAA
1696D	⌚ BAMUM LETTER PHASE-E SOM
1696E	⌚ BAMUM LETTER PHASE-E RAQ • nga in Phase F
1696F	⌚ BAMUM LETTER PHASE-E NSHUOP • pa in Phase F
16970	⌚ BAMUM LETTER PHASE-E NDUN • pue in Phase F
16971	⌚ BAMUM LETTER PHASE-E PUAE • fae in Phase F
16972	⌚ BAMUM LETTER PHASE-E TAM
16973	⌚ BAMUM LETTER PHASE-E NGKA
16974	⌚ BAMUM LETTER PHASE-E KPEUX
16975	⌚ BAMUM LETTER PHASE-E WUO
16976	⌚ BAMUM LETTER PHASE-E SEE
16977	⌚ BAMUM LETTER PHASE-E NGGEUAET
16978	⌚ BAMUM LETTER PHASE-E PAAM
16979	⌚ BAMUM LETTER PHASE-E TOO
1697A	⌚ BAMUM LETTER PHASE-E KUOP
1697B	⌚ BAMUM LETTER PHASE-E LOM
1697C	⌚ BAMUM LETTER PHASE-E NSHIEE
1697D	⌚ BAMUM LETTER PHASE-E NGOP
1697E	⌚ BAMUM LETTER PHASE-E MAEM
1697F	⌚ BAMUM LETTER PHASE-E NGKEUX

	1698	1699	169A	169B	169C	169D	169E	169F	16A0	16A1	16A2	16A3
0	𠁿	𠁾	𠁷	𠁸	𠁹	𠁺	𠁻	𠁼	𠁽	𠁾	𠁿	𠁻
1	𠁽	𠁾	𠁷	𠁸	𠁹	𠁺	𠁻	𠁼	𠁽	𠁾	𠁷	𠁻
2	𠁽	𠁾	𠁷	𠁸	𠁹	𠁺	𠁻	𠁼	𠁽	𠁾	𠁷	𠁻
3	𠁽	𠁾	𠁷	𠁸	𠁹	𠁺	𠁻	𠁼	𠁽	𠁾	𠁷	𠁻
4	𠁽	𠁾	𠁷	𠁸	𠁹	𠁺	𠁻	𠁼	𠁽	𠁾	𠁷	𠁻
5	𠁽	𠁾	𠁷	𠁸	𠁹	𠁺	𠁻	𠁼	𠁽	𠁾	𠁷	𠁻
6	𠁽	𠁾	𠁷	𠁸	𠁹	𠁺	𠁻	𠁼	𠁽	𠁾	𠁷	𠁻
7	𠁽	𠁾	𠁷	𠁸	𠁹	𠁺	𠁻	𠁼	𠁽	𠁾	𠁷	𠁻
8	𠁽	𠁾	𠁷	𠁸	𠁹	𠁺	𠁻	𠁼	𠁽	𠁾	𠁷	𠁻
9	𠁽	𠁾	𠁷	𠁸	𠁹	𠁺	𠁻	𠁼	𠁽	𠁾	𠁷	𠁻
A	𠁽	𠁾	𠁷	𠁸	𠁹	𠁺	𠁻	𠁼	𠁽	𠁾	𠁷	𠁻
B	𠁽	𠁾	𠁷	𠁸	𠁹	𠁺	𠁻	𠁼	𠁽	𠁾	𠁷	𠁻
C	𠁽	𠁾	𠁷	𠁸	𠁹	𠁺	𠁻	𠁼	𠁽	𠁾	𠁷	𠁻
D	𠁽	𠁾	𠁷	𠁸	𠁹	𠁺	𠁻	𠁼	𠁽	𠁾	𠁷	𠁻
E	𠁽	𠁾	𠁷	𠁸	𠁹	𠁺	𠁻	𠁼	𠁽	𠁾	𠁷	𠁻
F	𠁽	𠁾	𠁷	𠁸	𠁹	𠁺	𠁻	𠁼	𠁽	𠁾	𠁷	𠁻

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169EC

16980	BAMUM LETTER PHASE-E NGOQ	169B5	BAMUM LETTER PHASE-E GBEUX
16981	BAMUM LETTER PHASE-E NSHUE	169B6	BAMUM LETTER PHASE-E NGKUP
16982	BAMUM LETTER PHASE-E RIMGBA	169B7	BAMUM LETTER PHASE-E KET
16983	BAMUM LETTER PHASE-E NJEUX	169B8	BAMUM LETTER PHASE-E MAE
16984	BAMUM LETTER PHASE-E PEEM		• used after 16965 J® for faamae ‘8’ in Phases A-D
16985	BAMUM LETTER PHASE-E SAA	169B9	BAMUM LETTER PHASE-E NGKAAMI
	• used before 16963 ♀ for samba ‘7’ in Phases A-D	169BA	BAMUM LETTER PHASE-E GHET
16986	BAMUM LETTER PHASE-E NGGURAE	169BB	BAMUM LETTER PHASE-E FA
16987	BAMUM LETTER PHASE-E MGBA	169BC	BAMUM LETTER PHASE-E NTUM
16988	BAMUM LETTER PHASE-E GHEUX	169BD	BAMUM LETTER PHASE-E PEUT
16989	BAMUM LETTER PHASE-E NGKEUAEM	169BE	BAMUM LETTER PHASE-E YEUM
1698A	BAMUM LETTER PHASE-E NJAEMLI	169BF	BAMUM LETTER PHASE-E NGGEUAE
1698B	BAMUM LETTER PHASE-E MAP	169C0	BAMUM LETTER PHASE-E NYI BETWEEN
1698C	BAMUM LETTER PHASE-E LOOT	169C1	BAMUM LETTER PHASE-E NZUQ
1698D	BAMUM LETTER PHASE-E NGGEEE	169C2	BAMUM LETTER PHASE-E POON
1698E	BAMUM LETTER PHASE-E NDIQ	169C3	BAMUM LETTER PHASE-E MIEE
1698F	BAMUM LETTER PHASE-E TAEN NTEUM	169C4	BAMUM LETTER PHASE-E FUET
16990	BAMUM LETTER PHASE-E SET	169C5	BAMUM LETTER PHASE-E NAE
16991	BAMUM LETTER PHASE-E PUM	169C6	BAMUM LETTER PHASE-E MUAE
	• o in Phase F	169C7	BAMUM LETTER PHASE-E GHEUAE
16992	BAMUM LETTER PHASE-E NDAA SOFTNESS	169C8	BAMUM LETTER PHASE-E FU I
16993	BAMUM LETTER PHASE-E NGGUAESHAE NYAM	169C9	BAMUM LETTER PHASE-E MVI
	• fee in Phase F	169CA	BAMUM LETTER PHASE-E PUAQ
16994	BAMUM LETTER PHASE-E YIEE	169CB	BAMUM LETTER PHASE-E NGKUM
16995	BAMUM LETTER PHASE-E GHEUN	169CC	BAMUM LETTER PHASE-E KUT
16996	BAMUM LETTER PHASE-E TUAE	169CD	BAMUM LETTER PHASE-E PIET
16997	BAMUM LETTER PHASE-E YEUAE	169CE	BAMUM LETTER PHASE-E NTAP
16998	BAMUM LETTER PHASE-E PO	169CF	BAMUM LETTER PHASE-E YEUAET
16999	BAMUM LETTER PHASE-E TUMAE	169D0	BAMUM LETTER PHASE-E NGGUP
1699A	BAMUM LETTER PHASE-E KEUAE	169D1	BAMUM LETTER PHASE-E PA PEOPLE
1699B	BAMUM LETTER PHASE-E SUAEN	169D2	BAMUM LETTER PHASE-E FU CALL
1699C	BAMUM LETTER PHASE-E TEUAEQ	169D3	BAMUM LETTER PHASE-E FOM
1699D	BAMUM LETTER PHASE-E VEUAE	169D4	BAMUM LETTER PHASE-E NJEE
1699E	BAMUM LETTER PHASE-E WEUX	169D5	BAMUM LETTER PHASE-E A
1699F	BAMUM LETTER PHASE-E LAAM	169D6	BAMUM LETTER PHASE-E TOQ
169A0	BAMUM LETTER PHASE-E PU	169D7	BAMUM LETTER PHASE-E O
	• also puq in Phase E	169D8	BAMUM LETTER PHASE-E I
169A1	BAMUM LETTER PHASE-E TAAQ	169D9	BAMUM LETTER PHASE-E LAQ
169A2	BAMUM LETTER PHASE-E GHAAMAE	169DA	BAMUM LETTER PHASE-E PA PLURAL
169A3	BAMUM LETTER PHASE-E NGEUREUT	169DB	BAMUM LETTER PHASE-E TAA
169A4	BAMUM LETTER PHASE-E SHEUAEQ	169DC	BAMUM LETTER PHASE-E TAQ
169A5	BAMUM LETTER PHASE-E MGBEN	169DD	BAMUM LETTER PHASE-E NDAA MY HOUSE
169A6	BAMUM LETTER PHASE-E MBEE	169DE	BAMUM LETTER PHASE-E SHIQ
169A7	BAMUM LETTER PHASE-E NZAQ	169DF	BAMUM LETTER PHASE-E YEUX
169A8	BAMUM LETTER PHASE-E NKOM	169E0	BAMUM LETTER PHASE-E NGUAE
	• ten in Phase F	169E1	BAMUM LETTER PHASE-E YUAEN
169A9	BAMUM LETTER PHASE-E GBET		• pi in Phase F
169AA	BAMUM LETTER PHASE-E TUM	169E2	BAMUM LETTER PHASE-E YOQ SWIMMING
169AB	BAMUM LETTER PHASE-E KUET	169E3	BAMUM LETTER PHASE-E YOQ COVER
169AC	BAMUM LETTER PHASE-E YAP	169E4	BAMUM LETTER PHASE-E YUQ
169AD	BAMUM LETTER PHASE-E NYI CLEAVER	169E5	BAMUM LETTER PHASE-E YUN
169AE	BAMUM LETTER PHASE-E YIT	169E6	BAMUM LETTER PHASE-E KEUX
169AF	BAMUM LETTER PHASE-E MFEUQ	169E7	BAMUM LETTER PHASE-E PEUX
169B0	BAMUM LETTER PHASE-E NDIAQ	169E8	BAMUM LETTER PHASE-E NJEE EPOCH
169B1	BAMUM LETTER PHASE-E PIEEQ	169E9	BAMUM LETTER PHASE-E PUE
169B2	BAMUM LETTER PHASE-E YUEQ	169EA	BAMUM LETTER PHASE-E WUE
169B3	BAMUM LETTER PHASE-E LEUAEM	169EB	BAMUM LETTER PHASE-E FEE
169B4	BAMUM LETTER PHASE-E FUE	169EC	BAMUM LETTER PHASE-E VEE

169ED

## Bamum Supplement

16A38

169ED	BAMUM LETTER PHASE-E LU	16A20	◇ BAMUM LETTER PHASE-F NTEE
169EE	BAMUM LETTER PHASE-E MI	16A21	✕ BAMUM LETTER PHASE-F WUE
169EF	BAMUM LETTER PHASE-E REUX	16A22	✚ BAMUM LETTER PHASE-F PEE
169F0	BAMUM LETTER PHASE-E RAE	16A23	✙ BAMUM LETTER PHASE-F RU
169F1	BAMUM LETTER PHASE-E NGUDET	16A24	✤ BAMUM LETTER PHASE-F NI
169F2	BAMUM LETTER PHASE-E NGA	16A25	✦ BAMUM LETTER PHASE-F REUX
169F3	BAMUM LETTER PHASE-E SHO	16A26	✧ BAMUM LETTER PHASE-F KEN
169F4	BAMUM LETTER PHASE-E SHOQ	16A27	✨ BAMUM LETTER PHASE-F NGKWAEN
169F5	BAMUM LETTER PHASE-E FU REMEDY	16A28	✩ BAMUM LETTER PHASE-F NGGA
169F6	BAMUM LETTER PHASE-E NA	16A29	✫ BAMUM LETTER PHASE-F SHO
169F7	BAMUM LETTER PHASE-E PI	16A2A	✬ BAMUM LETTER PHASE-F PUAE
169F8	BAMUM LETTER PHASE-E LOQ	16A2B	✭ BAMUM LETTER PHASE-F FOM
169F9	• BAMUM LETTER PHASE-E KO	16A2C	✮ BAMUM LETTER PHASE-F WA
	• used before 16A02 ✄ for koghom ‘10’ in Phases A-D	16A2D	✯ BAMUM LETTER PHASE-F LI
	• used before 16A38 ✂ for kovue ‘9’ in Phases A-D	16A2E	✼ BAMUM LETTER PHASE-F LOQ
169FA	BAMUM LETTER PHASE-E MEN	16A2F	✽ BAMUM LETTER PHASE-F KO
169FB	BAMUM LETTER PHASE-E MA	16A30	✾ BAMUM LETTER PHASE-F MBEN
169FC	BAMUM LETTER PHASE-E MAQ	16A31	✿ BAMUM LETTER PHASE-F REN
169FD	BAMUM LETTER PHASE-E TEU	16A32	✸ BAMUM LETTER PHASE-F MA
169FE	BAMUM LETTER PHASE-E KI	16A33	✹ BAMUM LETTER PHASE-F MO
	• koghom in Phase F	16A34	✻ BAMUM LETTER PHASE-F MBAA
169FF	BAMUM LETTER PHASE-E MON	16A35	✼ BAMUM LETTER PHASE-F TET
16A00	BAMUM LETTER PHASE-E TEN	16A36	✽ BAMUM LETTER PHASE-F KPA
16A01	BAMUM LETTER PHASE-E FAQ	16A37	✼ BAMUM LETTER PHASE-F SAMBA
16A02	✄ BAMUM LETTER PHASE-E GHOM	16A38	✂ BAMUM LETTER PHASE-F VUEQ
	• used after 169F9 • for koghom ‘10’ in Phases A-D		• used after 169F9 • for kovue ‘9’ in Phases A-D

**Characters found through Phase F**

16A03	BAMUM LETTER PHASE-F KA
16A04	BAMUM LETTER PHASE-F U
16A05	BAMUM LETTER PHASE-F KU
16A06	BAMUM LETTER PHASE-F EE
16A07	BAMUM LETTER PHASE-F REE
16A08	BAMUM LETTER PHASE-F TAE
16A09	BAMUM LETTER PHASE-F NYI
16A0A	BAMUM LETTER PHASE-F LA
16A0B	BAMUM LETTER PHASE-F RII
16A0C	# BAMUM LETTER PHASE-F RIEE
16A0D	✄ BAMUM LETTER PHASE-F MEEEE
16A0E	BAMUM LETTER PHASE-F TAA
16A0F	H BAMUM LETTER PHASE-F NDAA
16A10	J BAMUM LETTER PHASE-F NJAEM
16A11	II BAMUM LETTER PHASE-F M
16A12	NH BAMUM LETTER PHASE-F SUU
16A13	IJ BAMUM LETTER PHASE-F SHII
16A14	HJ BAMUM LETTER PHASE-F SI
16A15	R BAMUM LETTER PHASE-F SEUX
16A16	P BAMUM LETTER PHASE-F KYEE
16A17	JI BAMUM LETTER PHASE-F KET
16A18	Z BAMUM LETTER PHASE-F NUAE
16A19	R BAMUM LETTER PHASE-F NU
16A1A	E BAMUM LETTER PHASE-F NJUAE
16A1B	W BAMUM LETTER PHASE-F YOQ
16A1C	E BAMUM LETTER PHASE-F SHU
16A1D	JF BAMUM LETTER PHASE-F YA
16A1E	& BAMUM LETTER PHASE-F NSHA
16A1F	H1 BAMUM LETTER PHASE-F PEUX

1F0A0

## Playing Cards

1F0FF

	1F0A	1F0B	1F0C	1F0D	1F0E	1F0F
0						
1						
2						
3						
4						
5						
6						
7						
8						
9						
A						
B						
C						
D						
E						
F						

1F0A0

## Playing Cards

1F0DF

These characters are used to represent the 52-card and 56-card variants of modern playing cards, as well as the 56-card Minor Arcana of the Western Tarot.

1F0A0 PLAYING CARD BACK

**Spades or Swords**

- 1F0A1 PLAYING CARD ACE OF SPADES
- 1F0A2 PLAYING CARD TWO OF SPADES
- 1F0A3 PLAYING CARD THREE OF SPADES
- 1F0A4 PLAYING CARD FOUR OF SPADES
- 1F0A5 PLAYING CARD FIVE OF SPADES
- 1F0A6 PLAYING CARD SIX OF SPADES
- 1F0A7 PLAYING CARD SEVEN OF SPADES
- 1F0A8 PLAYING CARD EIGHT OF SPADES
- 1F0A9 PLAYING CARD NINE OF SPADES
- 1F0AA PLAYING CARD TEN OF SPADES
- 1F0AB PLAYING CARD JACK OF SPADES  
= valet, Bube, Unter, Page, fante  
= page of swords
- 1F0AC PLAYING CARD KNIGHT OF SPADES  
= chevalier, Ober, Ritter, cavall, cavaliere  
= knight of swords
- 1F0AD PLAYING CARD QUEEN OF SPADES  
= dame, Dame, Königin, regina  
= queen of swords
- 1F0AE PLAYING CARD KING OF SPADES  
= roi, König, re  
= king of swords

**Hearts or Cups**

- 1F0B1 PLAYING CARD ACE OF HEARTS
- 1F0B2 PLAYING CARD TWO OF HEARTS
- 1F0B3 PLAYING CARD THREE OF HEARTS
- 1F0B4 PLAYING CARD FOUR OF HEARTS
- 1F0B5 PLAYING CARD FIVE OF HEARTS
- 1F0B6 PLAYING CARD SIX OF HEARTS
- 1F0B7 PLAYING CARD SEVEN OF HEARTS
- 1F0B8 PLAYING CARD EIGHT OF HEARTS
- 1F0B9 PLAYING CARD NINE OF HEARTS
- 1F0BA PLAYING CARD TEN OF HEARTS
- 1F0BB PLAYING CARD JACK OF HEARTS  
= valet, Bube, Unter, Page, fante  
= page of cups
- 1F0BC PLAYING CARD KNIGHT OF HEARTS  
= chevalier, Ober, Ritter, cavall, cavaliere  
= knight of cups
- 1F0BD PLAYING CARD QUEEN OF HEARTS  
= dame, Dame, Königin, regina  
= queen of cups
- 1F0BE PLAYING CARD KING OF HEARTS  
= roi, König, re  
= king of cups

**Diamonds or Pentacles**

- 1F0C1 PLAYING CARD ACE OF DIAMONDS
- 1F0C2 PLAYING CARD TWO OF DIAMONDS
- 1F0C3 PLAYING CARD THREE OF DIAMONDS
- 1F0C4 PLAYING CARD FOUR OF DIAMONDS
- 1F0C5 PLAYING CARD FIVE OF DIAMONDS
- 1F0C6 PLAYING CARD SIX OF DIAMONDS
- 1F0C7 PLAYING CARD SEVEN OF DIAMONDS
- 1F0C8 PLAYING CARD EIGHT OF DIAMONDS

- 1F0C9 PLAYING CARD NINE OF DIAMONDS
- 1F0CA PLAYING CARD TEN OF DIAMONDS
- 1F0CB PLAYING CARD JACK OF DIAMONDS  
= valet, Bube, Unter, Page, fante  
= page of pentacles
- 1F0CC PLAYING CARD KNIGHT OF DIAMONDS  
= chevalier, Ober, Ritter, cavall, cavaliere  
= knight of pentacles
- 1F0CD PLAYING CARD QUEEN OF DIAMONDS  
= dame, Dame, Königin, regina  
= queen of pentacles
- 1F0CE PLAYING CARD KING OF DIAMONDS  
= roi, König, re  
= king of pentacles
- 1F0CF PLAYING CARD BLACK JOKER  
= e-812

**Clubs or Wands**

- 1F0D1 PLAYING CARD ACE OF CLUBS
- 1F0D2 PLAYING CARD TWO OF CLUBS
- 1F0D3 PLAYING CARD THREE OF CLUBS
- 1F0D4 PLAYING CARD FOUR OF CLUBS
- 1F0D5 PLAYING CARD FIVE OF CLUBS
- 1F0D6 PLAYING CARD SIX OF CLUBS
- 1F0D7 PLAYING CARD SEVEN OF CLUBS
- 1F0D8 PLAYING CARD EIGHT OF CLUBS
- 1F0D9 PLAYING CARD NINE OF CLUBS
- 1F0DA PLAYING CARD TEN OF CLUBS
- 1F0DB PLAYING CARD JACK OF CLUBS  
= valet, Bube, Unter, Page, fante  
= page of wands
- 1F0DC PLAYING CARD KNIGHT OF CLUBS  
= chevalier, Ober, Ritter, cavall, cavaliere  
= knight of wands
- 1F0DD PLAYING CARD QUEEN OF CLUBS  
= dame, Dame, Königin, regina  
= queen of wands
- 1F0DE PLAYING CARD KING OF CLUBS  
= roi, König, re  
= king of wands
- 1F0DF PLAYING CARD WHITE JOKER  
• may also be red

1F100

## Enclosed Alphanumeric Supplement

1F1FF

	1F10	1F11	1F12	1F13	1F14	1F15	1F16	1F17	1F18	1F19	1F1A	1F1B	1F1C	1F1D	1F1E	1F1F
0	O.	(A)	(Q)								A	DJ				
1	O,	(B)	(R)	B							B					
2	1,	(C)	(S)		S											
3	2,	(D)	(T)													
4	3,	(E)	(U)													
5	4,	(F)	(V)													
6	5,	(G)	(W)		W											
7	6,	(H)	(X)			H										
8	7,	(I)	(Y)													
9	8,	(J)	(Z)				J									
A	9,	(K)	[S]		HV						R					
B		(L)	C		MV					L	IC					
C		(M)	R		SD					M	PA					
D		(N)	CD	N	SS					SA						
E		(O)	Wz		PPV				O	AB						
F		(P)		P		P		P								

1F100

## Enclosed Alphanumeric Supplement

1F133

**Number with full stop**

*This symbol completes the set of numbers with full stop starting at U+2488.*

1F100 O. DIGIT ZERO FULL STOP  
 ≈ 0030 O 002E .

**Numbers with comma**

1F101 O, DIGIT ZERO COMMA  
 ≈ 0030 O 002C ,  
 1F102 1, DIGIT ONE COMMA  
 ≈ 0031 1 002C ,  
 1F103 2, DIGIT TWO COMMA  
 ≈ 0032 2 002C ,  
 1F104 3, DIGIT THREE COMMA  
 ≈ 0033 3 002C ,  
 1F105 4, DIGIT FOUR COMMA  
 ≈ 0034 4 002C ,  
 1F106 5, DIGIT FIVE COMMA  
 ≈ 0035 5 002C ,  
 1F107 6, DIGIT SIX COMMA  
 ≈ 0036 6 002C ,  
 1F108 7, DIGIT SEVEN COMMA  
 ≈ 0037 7 002C ,  
 1F109 8, DIGIT EIGHT COMMA  
 ≈ 0038 8 002C ,  
 1F10A 9, DIGIT NINE COMMA  
 ≈ 0039 9 002C ,

**Parenthesized Latin letters**

*This set provides uppercase versions of the set starting at U+249C.*

1F110 (A) PARENTHESIZED LATIN CAPITAL LETTER A  
 ≈ 0028 ( 0041 A 0029 )  
 1F111 (B) PARENTHESIZED LATIN CAPITAL LETTER B  
 ≈ 0028 ( 0042 B 0029 )  
 1F112 (C) PARENTHESIZED LATIN CAPITAL LETTER C  
 ≈ 0028 ( 0043 C 0029 )  
 1F113 (D) PARENTHESIZED LATIN CAPITAL LETTER D  
 ≈ 0028 ( 0044 D 0029 )  
 1F114 (E) PARENTHESIZED LATIN CAPITAL LETTER E  
 ≈ 0028 ( 0045 E 0029 )  
 1F115 (F) PARENTHESIZED LATIN CAPITAL LETTER F  
 ≈ 0028 ( 0046 F 0029 )  
 1F116 (G) PARENTHESIZED LATIN CAPITAL LETTER G  
 ≈ 0028 ( 0047 G 0029 )  
 1F117 (H) PARENTHESIZED LATIN CAPITAL LETTER H  
 ≈ 0028 ( 0048 H 0029 )  
 1F118 (I) PARENTHESIZED LATIN CAPITAL LETTER I  
 ≈ 0028 ( 0049 I 0029 )  
 1F119 (J) PARENTHESIZED LATIN CAPITAL LETTER J  
 ≈ 0028 ( 004A J 0029 )  
 1F11A (K) PARENTHESIZED LATIN CAPITAL LETTER K  
 ≈ 0028 ( 004B K 0029 )  
 1F11B (L) PARENTHESIZED LATIN CAPITAL LETTER L  
 ≈ 0028 ( 004C L 0029 )  
 1F11C (M) PARENTHESIZED LATIN CAPITAL LETTER M  
 ≈ 0028 ( 004D M 0029 )

1F11D (N) PARENTHESIZED LATIN CAPITAL LETTER N  
 ≈ 0028 ( 004E N 0029 )  
 1F11E (O) PARENTHESIZED LATIN CAPITAL LETTER O  
 ≈ 0028 ( 004F O 0029 )  
 1F11F (P) PARENTHESIZED LATIN CAPITAL LETTER P  
 ≈ 0028 ( 0050 P 0029 )  
 1F120 (Q) PARENTHESIZED LATIN CAPITAL LETTER Q  
 ≈ 0028 ( 0051 Q 0029 )  
 1F121 (R) PARENTHESIZED LATIN CAPITAL LETTER R  
 ≈ 0028 ( 0052 R 0029 )  
 1F122 (S) PARENTHESIZED LATIN CAPITAL LETTER S  
 ≈ 0028 ( 0053 S 0029 )  
 1F123 (T) PARENTHESIZED LATIN CAPITAL LETTER T  
 ≈ 0028 ( 0054 T 0029 )  
 1F124 (U) PARENTHESIZED LATIN CAPITAL LETTER U  
 ≈ 0028 ( 0055 U 0029 )  
 1F125 (V) PARENTHESIZED LATIN CAPITAL LETTER V  
 ≈ 0028 ( 0056 V 0029 )  
 1F126 (W) PARENTHESIZED LATIN CAPITAL LETTER W  
 ≈ 0028 ( 0057 W 0029 )  
 1F127 (X) PARENTHESIZED LATIN CAPITAL LETTER X  
 ≈ 0028 ( 0058 X 0029 )  
 1F128 (Y) PARENTHESIZED LATIN CAPITAL LETTER Y  
 ≈ 0028 ( 0059 Y 0029 )  
 1F129 (Z) PARENTHESIZED LATIN CAPITAL LETTER Z  
 ≈ 0028 ( 005A Z 0029 )

**Latin letter with tortoise shell brackets**

1F12A [S] TORTOISE SHELL BRACKETED LATIN CAPITAL LETTER S  
 • used in baseball scoring  
 ≈ 3014 ( 0053 S 3015 )

**Circled italic Latin letters**

1F12B © CIRCLED ITALIC LATIN CAPITAL LETTER C  
 = compact disc, single disc record  
 ≈ <circle> 0043 C  
 1F12C ® CIRCLED ITALIC LATIN CAPITAL LETTER R  
 = disc record  
 ≈ <circle> 0052 R

**Circled Latin letter sequences**

1F12D CD CIRCLED CD  
 → 33C5 cd square cd  
 ≈ <circle> 0043 C 0044 D  
 1F12E ™ CIRCLED WZ  
 • from the German term “Warenzeichen”  
 • indicate a trademarked term without making a legal claim of trademark status  
 → 2122 ™ trade mark sign  
 ≈ <circle> 0057 W 005A Z

**Squared Latin letters**

1F131 B SQUARED LATIN CAPITAL LETTER B  
 = bank  
 = b-mode stereo compression broadcasting service (ARIB STD B24)  
 ≈ <square> 0042 B  
 1F132 ☒ <reserved>  
 1F133 ☓ <reserved>

1F134

&lt;reserved&gt;

1F135

&lt;reserved&gt;

1F136

&lt;reserved&gt;

1F137

&lt;reserved&gt;

1F138

&lt;reserved&gt;

1F139

&lt;reserved&gt;

1F13A

&lt;reserved&gt;

1F13B

&lt;reserved&gt;

1F13C

&lt;reserved&gt;

1F13D

N SQUARED LATIN CAPITAL LETTER N

= news (ARIB STD B24)

 $\approx \langle \text{square} \rangle 004E N$ 

1F13E

&lt;reserved&gt;

1F13F

P SQUARED LATIN CAPITAL LETTER P

= progressive broadcasting (ARIB STD B24)

 $\approx \langle \text{square} \rangle 0050 P$ 

1F140

&lt;reserved&gt;

1F141

&lt;reserved&gt;

1F142

S SQUARED LATIN CAPITAL LETTER S

= stereo broadcasting service (ARIB STD B24)

 $\approx \langle \text{square} \rangle 0053 S$ 

1F143

&lt;reserved&gt;

1F144

&lt;reserved&gt;

1F145

&lt;reserved&gt;

1F146

W SQUARED LATIN CAPITAL LETTER W

= wide-format 16:9 broadcasting service (ARIB STD B24)

 $\approx \langle \text{square} \rangle 0057 W$ 

1F147

&lt;reserved&gt;

1F148

&lt;reserved&gt;

1F149

&lt;reserved&gt;

1F14A

HV SQUARED HV

= hdtv

 $\approx \langle \text{square} \rangle 0048 H 0056 V$ 

1F14B

MV SQUARED MV

= multi-view television

 $\approx \langle \text{square} \rangle 004D M 0056 V$ 

1F14C

SD SQUARED SD

= sdtv

 $\approx \langle \text{square} \rangle 0053 S 0044 D$ 

1F14D

SS SQUARED SS

= surround stereo broadcasting service

 $\approx \langle \text{square} \rangle 0053 S 0053 S$ 

1F14E

PPV SQUARED PPV

= pay-per-view

 $\approx \langle \text{square} \rangle 0050 P 0050 P 0056 V$ **White on black circled Latin letters**

1F157

H NEGATIVE CIRCLED LATIN CAPITAL LETTER H

= hotel (ARIB STD B24)

1F158

&lt;reserved&gt;

1F159

&lt;reserved&gt;

1F15A

&lt;reserved&gt;

1F15B

&lt;reserved&gt;

1F15C

&lt;reserved&gt;

1F15D

&lt;reserved&gt;

1F15E

&lt;reserved&gt;

1F15F

P NEGATIVE CIRCLED LATIN CAPITAL LETTER P

= parking space (ARIB STD B24)

**Enclosed Alphanumeric Supplement**

1F190

**Negative squared Latin letters**

1F170 A NEGATIVE SQUARED LATIN CAPITAL LETTER A

= blood type A

= e-50B

1F171 B NEGATIVE SQUARED LATIN CAPITAL LETTER B

= blood type B

= e-50C

**White on black squared Latin letters***The square edges may be slightly rounded.*

1F179 J NEGATIVE SQUARED LATIN CAPITAL LETTER J

= junction (ARIB STD B24)

1F17A K &lt;reserved&gt;

1F17B L NEGATIVE SQUARED LATIN CAPITAL LETTER L

= leisure center (ARIB STD B24)

1F17C M NEGATIVE SQUARED LATIN CAPITAL LETTER M

= museum, cultural center (ARIB STD B24)

1F17D N &lt;reserved&gt;

1F17E O NEGATIVE SQUARED LATIN CAPITAL LETTER O

= blood type O

= e-50E

1F17F P NEGATIVE SQUARED LATIN CAPITAL LETTER P

= parking space empty-full (ARIB STD B24)

1F180 Q &lt;reserved&gt;

1F181 R &lt;reserved&gt;

1F182 S &lt;reserved&gt;

1F183 T &lt;reserved&gt;

1F184 U &lt;reserved&gt;

1F185 V &lt;reserved&gt;

1F186 W &lt;reserved&gt;

1F187 X &lt;reserved&gt;

1F188 Y &lt;reserved&gt;

1F189 Z &lt;reserved&gt;

1F18A P CROSSED NEGATIVE SQUARED LATIN CAPITAL LETTER P

= parking space closed

1F18B C NEGATIVE SQUARED IC

= interchange, ramp

1F18C PA NEGATIVE SQUARED PA

= parking area

1F18D SA NEGATIVE SQUARED SA

= service area

1F18E AB NEGATIVE SQUARED AB

= blood type AB

= e-50D

**Squared Latin letter sequences**

1F190 DJ SQUARE DJ

= disc jockey

 $\approx \langle \text{square} \rangle 0040 @ 004A J$

1F200

## Enclosed Ideographic Supplement

1F2FF

	1F20	1F21	1F22	1F23	1F24	1F25	1F26	1F27	1F28	1F29	1F2A	1F2B	1F2C	1F2D	1F2E	1F2F
0	ほか	手	初	走	本	得										
1	1F20	1F210	1F220	1F230	1F240	1F250										
2	1F202	1F211	1F221	1F231	1F241	1F251										
3	1F202	1F212	1F222	1F232	1F242											
4	1F213	1F223	1F233	1F243												
5	1F214	1F224	1F234	1F244												
6	1F215	1F225	1F235	1F245												
7	1F216	1F226	1F236	1F246												
8	1F217	1F227	1F237	1F247												
9	1F218	1F228	1F238	1F248												
A	1F219	1F229	1F239													
B	1F21A	1F22A	1F23A													
C	1F21B	1F22B														
D	1F21C	1F22C														
E	1F21D	1F22D														
F	1F21E	1F22E														
	1F21F	1F22F														

1F200

## Enclosed Ideographic Supplement

1F230

**Squared hiragana from ARIB STD B24**

1F200 ほか SQUARE HIRAGANA HOKA  
= and others  
≈ <square> 307B ほ 304B か

**Square katakanas**

1F201 ほこ SQUARED KATAKANA KOKO  
= here sign  
≈ <square> 30B3 こ 30B3 こ  
= e-B24

1F202 ほく SQUARED KATAKANA SA  
= service sign  
→ 32DA ほく circled katakana sa  
≈ <square> 30B5 サ  
= e-B3F

**Squared ideographs and kana from ARIB STD B24**

1F210 ほじ SQUARED CJK UNIFIED IDEOGRAPH-624B  
= broadcasting service with sign language interpretation  
≈ <square> 624B 手

1F211 ほじ SQUARED CJK UNIFIED IDEOGRAPH-5B57  
= close-captioned broadcasting  
≈ <square> 5B57 字

1F212 ほふ SQUARED CJK UNIFIED IDEOGRAPH-53CC  
= two-way broadcasting service  
≈ <square> 53CC 双

1F213 ほて SQUARED KATAKANA DE  
= data broadcasting service linked with a main program  
≈ <square> 30C7 デ

1F214 ほじ SQUARED CJK UNIFIED IDEOGRAPH-4E8C  
= bilingual broadcasting service  
= second base  
≈ <square> 4E8C 二

1F215 ほじ SQUARED CJK UNIFIED IDEOGRAPH-591A  
= sound-multiplex broadcasting service  
≈ <square> 591A 多

1F216 ほじ SQUARED CJK UNIFIED IDEOGRAPH-89E3  
= commentary broadcasting  
≈ <square> 89E3 解

1F217 ほじ SQUARED CJK UNIFIED IDEOGRAPH-5929  
= weather forecast  
≈ <square> 5929 天

1F218 ほじ SQUARED CJK UNIFIED IDEOGRAPH-4EA4  
= traffic information  
≈ <square> 4EA4 交

1F219 ほじ SQUARED CJK UNIFIED IDEOGRAPH-6620  
= drama film  
≈ <square> 6620 映

1F21A ほじ SQUARED CJK UNIFIED IDEOGRAPH-7121  
= free broadcasting service  
≈ <square> 7121 無

1F21B ほじ SQUARED CJK UNIFIED IDEOGRAPH-6599  
= pay broadcasting service  
≈ <square> 6599 料

1F21C ほじ SQUARED CJK UNIFIED IDEOGRAPH-524D  
= the first part  
≈ <square> 524D 前

1F21D ほじ SQUARED CJK UNIFIED IDEOGRAPH-5F8C

= the latter part  
≈ <square> 5F8C 後

1F21E ほじ SQUARED CJK UNIFIED IDEOGRAPH-518D  
= rebroadcast  
≈ <square> 518D 再

1F21F ほじ SQUARED CJK UNIFIED IDEOGRAPH-65B0  
= new series of programs  
≈ <square> 65B0 新

1F220 ほじ SQUARED CJK UNIFIED IDEOGRAPH-521D  
= first released program  
≈ <square> 521D 初

1F221 ほじ SQUARED CJK UNIFIED IDEOGRAPH-7D42  
= the last episode  
≈ <square> 7D42 終

1F222 ほじ SQUARED CJK UNIFIED IDEOGRAPH-751F  
= live broadcast  
≈ <square> 751F 生

1F223 ほじ SQUARED CJK UNIFIED IDEOGRAPH-8CA9  
= mail-order  
≈ <square> 8CA9 販

1F224 ほじ SQUARED CJK UNIFIED IDEOGRAPH-58F0  
= voice actors  
≈ <square> 58F0 声

1F225 ほじ SQUARED CJK UNIFIED IDEOGRAPH-5439  
= dubbed version  
≈ <square> 5439 吹

1F226 ほじ SQUARED CJK UNIFIED IDEOGRAPH-6F14  
= performed by  
≈ <square> 6F14 演

1F227 ほじ SQUARED CJK UNIFIED IDEOGRAPH-6295  
= pitcher  
≈ <square> 6295 投

1F228 ほじ SQUARED CJK UNIFIED IDEOGRAPH-6355  
= catcher  
≈ <square> 6355 捕

1F229 ほじ SQUARED CJK UNIFIED IDEOGRAPH-4E00  
= first base  
≈ <square> 4E00 一

1F22A ほじ SQUARED CJK UNIFIED IDEOGRAPH-4E09  
= third base  
≈ <square> 4E09 三

1F22B ほじ SQUARED CJK UNIFIED IDEOGRAPH-904A  
= short stop  
≈ <square> 904A 遊

1F22C ほじ SQUARED CJK UNIFIED IDEOGRAPH-5DE6  
= left field  
≈ <square> 5DE6 左

1F22D ほじ SQUARED CJK UNIFIED IDEOGRAPH-4E2D  
= center field  
≈ <square> 4E2D 中

1F22E ほじ SQUARED CJK UNIFIED IDEOGRAPH-53F3  
= right field  
≈ <square> 53F3 右

1F22F ほじ SQUARED CJK UNIFIED IDEOGRAPH-6307  
= designated hitter  
≈ <square> 6307 指

1F230 ほじ SQUARED CJK UNIFIED IDEOGRAPH-8D70  
= runner  
≈ <square> 8D70 走

1F231

## Enclosed Ideographic Supplement

1F251

1F231 SQUARED CJK UNIFIED IDEOGRAPH-6253  
= batter  
≈ <square> 6253 打

**Squared ideographs**

1F232 SQUARED CJK UNIFIED IDEOGRAPH-7981  
= prohibited sign  
≈ <square> 7981 禁  
= e-B2E

1F233 SQUARED CJK UNIFIED IDEOGRAPH-7A7A  
= empty sign  
≈ <square> 7A7A 空  
= e-B2F

1F234 SQUARED CJK UNIFIED IDEOGRAPH-5408  
= passed sign  
≈ <square> 5408 合  
= e-B30

1F235 SQUARED CJK UNIFIED IDEOGRAPH-6E80  
= full sign  
≈ <square> 6E80 滿  
= e-B31

1F236 SQUARED CJK UNIFIED IDEOGRAPH-6709  
= existence sign  
→ 3292 circled ideograph have  
≈ <square> 6709 有  
= e-B39

1F237 SQUARED CJK UNIFIED IDEOGRAPH-6708  
= monthly sign  
→ 328A circled ideograph moon  
≈ <square> 6708 月  
= e-B3B

1F238 SQUARED CJK UNIFIED IDEOGRAPH-7533  
= application sign  
≈ <square> 7533 申  
= e-B3C

1F239 SQUARED CJK UNIFIED IDEOGRAPH-5272  
= discount sign  
≈ <square> 5272 割  
= e-B3E

1F23A SQUARED CJK UNIFIED IDEOGRAPH-55B6  
= in business sign  
≈ <square> 55B6 興  
= e-B41

**Ideographs with tortoise shell brackets from ARIB STD****B24**

1F240 TORTOISE SHELL BRACKETED CJK UNIFIED IDEOGRAPH-672C  
= home run  
≈ 3014 ( 672C 本 3015 )

1F241 TORTOISE SHELL BRACKETED CJK UNIFIED IDEOGRAPH-4E09  
= triple  
≈ 3014 ( 4E09 三 3015 )

1F242 TORTOISE SHELL BRACKETED CJK UNIFIED IDEOGRAPH-4E8C  
= double  
≈ 3014 ( 4E8C 二 3015 )

1F243 TORTOISE SHELL BRACKETED CJK UNIFIED IDEOGRAPH-5B89  
= safe  
≈ 3014 ( 5B89 安 3015 )

1F244 TORTOISE SHELL BRACKETED CJK UNIFIED IDEOGRAPH-70B9  
= run  
≈ 3014 ( 70B9 点 3015 )

1F245 TORTOISE SHELL BRACKETED CJK UNIFIED IDEOGRAPH-6253  
= hit  
≈ 3014 ( 6253 打 3015 )

1F246 TORTOISE SHELL BRACKETED CJK UNIFIED IDEOGRAPH-76D7  
= steal  
≈ 3014 ( 76D7 盜 3015 )

1F247 TORTOISE SHELL BRACKETED CJK UNIFIED IDEOGRAPH-52DD  
= win  
≈ 3014 ( 52DD 勝 3015 )

1F248 TORTOISE SHELL BRACKETED CJK UNIFIED IDEOGRAPH-6557  
= loss  
≈ 3014 ( 6557 敗 3015 )

**Circled ideographs**

1F250 CIRCLED IDEOGRAPH ADVANTAGE  
= advantage sign  
≈ <circle> 5F97 得  
= e-B3D

1F251 CIRCLED IDEOGRAPH ACCEPT  
= accept sign  
≈ <circle> 53EF 可  
= e-B50

1F300

## Miscellaneous Pictographic Symbols

1F3FF

	1F30	1F31	1F32	1F33	1F34	1F35	1F36	1F37	1F38	1F39	1F3A	1F3B	1F3C	1F3D	1F3E	1F3F		
0	9		☆	▷	1F330	1F340	1F350	1F360	1F370	1F380	1F390	1F3A0	1F3B0	1F3C0			1F3E0	1F3F0
1	1F301	1F311		1F331	1F341	1F351	1F361	1F371	1F381	1F391	1F3A1	1F3B1	1F3C1			1F3E1		
2	1F302	1F312		1F332	1F342	1F352	1F362	1F372	1F382	1F392	1F3A2	1F3B2	1F3C2			1F3E2		
3	1F303	1F313		1F333	1F343	1F353	1F363	1F373	1F383	1F393	1F3A3	1F3B3	1F3C3			1F3E3		
4	1F304	1F314		1F334	1F344	1F354	1F364	1F374	1F384		1F3A4	1F3B4	1F3C4			1F3E4		
5	1F305	1F315		1F335	1F345	1F355	1F365	1F375	1F385		1F3A5	1F3B5				1F3E5		
6	1F306	1F316		1F346	1F356	1F366	1F376	1F386		1F3A6	1F3B6	1F3C6			1F3E6			
7	1F307	1F317		1F337	1F347	1F357	1F367	1F377	1F387		1F3A7	1F3B7	1F3C7			1F3E7		
8	1F308	1F318		1F338	1F348	1F358	1F368	1F378	1F388		1F3A8	1F3B8	1F3C8			1F3E8		
9	1F309	1F319		1F339	1F349	1F359	1F369	1F379	1F389		1F3A9	1F3B9	1F3C9			1F3E9		
A	1F30A	1F31A		1F33A	1F34A	1F35A	1F36A	1F37A	1F38A		1F3AA	1F3BA	1F3CA			1F3EA		
B	1F30B	1F31B		1F33B	1F34B	1F35B	1F36B	1F37B	1F38B		1F3AB	1F3BB				1F3EB		
C	1F30C	1F31C		1F33C	1F34C	1F35C	1F36C	1F37C	1F38C		1F3AC	1F3BC				1F3EC		
D		1F31D		1F33D	1F34D	1F35D	1F36D		1F38D		1F3AD	1F3BD				1F3ED		
E		1F31E		1F33E	1F34E	1F35E	1F36E		1F38E		1F3AE	1F3BE				1F3EE		
F	1F30F	1F31F		1F33F	1F34F	1F35F	1F36F		1F38F		1F3AF	1F3BF				1F3EF		

1F300

## Miscellaneous Pictographic Symbols

1F349

**Weather and landscape symbols**

- 1F300 CYCLONE  
= e-005  
= typhoon, hurricane
- 1F301 FOGGY  
= e-006
- 1F302 CLOSED UMBRELLA  
= e-007
- 1F303 NIGHT WITH STARS  
= e-008
- 1F304 SUNRISE OVER MOUNTAINS  
= e-009
- 1F305 SUNRISE  
= e-00A
- 1F306 CITYSCAPE AT DUSK  
= e-00b
- 1F307 SUNSET OVER BUILDINGS  
= e-00C
- 1F308 RAINBOW  
= e-00D
- 1F309 BRIDGE AT NIGHT  
= e-010
- 1F30A WATER WAVE  
= e-038
- 1F30B VOLCANO  
= e-03A

**Astronomical symbols**

- 1F30C MILKY WAY  
= e-03B
- 1F30D <reserved>
- 1F30E <reserved>
- 1F30F EARTH GLOBE ASIA-AUSTRALIA  
= e-039

**Moon, sun, and star symbols**

- 1F311 NEW MOON SYMBOL  
= e-011
- 1F312 WAXING CRESCENT MOON SYMBOL
- 1F313 FIRST QUARTER MOON SYMBOL  
= half moon  
= e-013
- 1F314 WAXING GIBBOUS MOON SYMBOL  
= waxing moon  
= e-012
- 1F315 FULL MOON SYMBOL  
= e-015
- 1F316 WANING GIBBOUS MOON SYMBOL
- 1F317 LAST QUARTER MOON SYMBOL
- 1F318 WANING CRESCENT MOON SYMBOL
- 1F319 CRESCENT MOON  
= e-014  
• indicate either first or last quarter moon  
→ 263D ☽ first quarter moon  
→ 263E ☾ last quarter moon
- 1F31A NEW MOON WITH FACE
- 1F31B FIRST QUARTER MOON WITH FACE  
= half moon with face  
= e-016
- 1F31C LAST QUARTER MOON WITH FACE
- 1F31D FULL MOON WITH FACE
- 1F31E SUN WITH FACE

- 1F31F GLOWING STAR  
= e-B69

- 1F320 SHOOTING STAR  
= e-B6A

**Plant symbols**

- 1F330 CHESTNUT  
= e-04C
- 1F331 SEEDLING  
= e-03E
- 1F332 EVERGREEN TREE
- 1F333 DECIDUOUS TREE
- 1F334 PALM TREE  
= e-047
- 1F335 CACTUS  
= e-048
- 1F336 <reserved>
- 1F337 TULIP  
= e-03D
- 1F338 CHERRY BLOSSOM  
= e-040
- 1F339 ROSE  
= e-041
- 1F33A HIBISCUS  
= e-045
- 1F33B SUNFLOWER  
= e-046
- 1F33C BLOSSOM  
= daisy  
= e-04D
- 1F33D EAR OF MAIZE  
= e-04A
- 1F33E EAR OF RICE  
= e-049
- 1F33F HERB  
= e-04E
- 1F340 FOUR LEAF CLOVER  
= four leafed clover  
→ 2618 ☘ shamrock  
= e-03C
- 1F341 MAPLE LEAF  
= e-03F
- 1F342 FALLEN LEAF  
= leaf  
= e-042
- 1F343 LEAF FLUTTERING IN WIND  
= e-043
- 1F344 MUSHROOM  
= e-04B

**Fruit symbols**

- 1F345 TOMATO  
= e-055
- 1F346 AUBERGINE  
= eggplant  
= e-056
- 1F347 GRAPES  
= e-059
- 1F348 MELON  
= e-057
- 1F349 WATERMELON  
= e-054

1F34A

## Miscellaneous Pictographic Symbols

1F382

1F34A		TANGERINE = e-052
1F34B		LEMON
1F34C		BANANA = e-050
1F34D		PINEAPPLE = e-058
1F34E		APPLE-1 = e-051
1F34F		APPLE-2 = e-05B
1F350		PEAR
1F351		PEACH = e-05A
1F352		CHERRIES = e-04F
1F353		STRAWBERRY = e-053

**Food symbols**

1F354		HAMBURGER = fast food place = e-960
1F355		SLICE OF PIZZA = e-975
1F356		MEAT ON BONE = e-972
1F357		POULTRY LEG = e-976
1F358		RICE CRACKER = e-969
1F359		RICE BALL = e-961
1F35A		COOKED RICE = bowl of rice = e-96A
1F35B		CURRY AND RICE = Japanese style curry = e-96C
1F35C		STEAMING BOWL = ramen noodles, rice donburi = e-963
1F35D		SPAGHETTI = e-96B
1F35E		BREAD = e-964
1F35F		FRENCH FRIES = e-967
1F360		ROASTED SWEET POTATO = e-974
1F361		DUMPLING = mochi balls on skewer = e-968
1F362		SEAFOOD CASSEROLE = seafood on skewer = e-96D
1F363		SUSHI = e-96E
1F364		FRIED SHRIMP = e-97F
1F365		FISH CAKE WITH SWIRL DESIGN = e-973

1F366		SOFT ICE CREAM = e-966
1F367		SHAVED ICE = e-971
1F368		ICE CREAM = e-977
1F369		DOUGHNUT = e-978
1F36A		COOKIE = biscuit = e-979
1F36B		CHOCOLATE BAR = e-97A
1F36C		CANDY = e-97B
1F36D		LOLLIPOP = e-97C
1F36E		CUSTARD = e-97D
1F36F		HONEY POT = e-97E
1F370		SHORTCAKE = e-962
1F371		LUNCHBOX = e-96F
1F372		POT OF FOOD = e-970
1F373		COOKING = frying pan, cooking utensil = e-965
1F374		FORK AND KNIFE = restaurant, meal = e-980 • glyph may show a fork and spoon • glyph may show a crossed fork and knife • glyph may show a fork and knife with a plate

**Beverage symbols**

1F375		TEACUP WITHOUT HANDLE → 26FE  cup on black square = e-984
1F376		SAKE BOTTLE AND CUP = e-985
1F377		WINE GLASS = e-986
1F378		COCKTAIL GLASS = e-982
1F379		TROPICAL DRINK = e-988
1F37A		BEER MUG = e-983
1F37B		CLINKING BEER MUGS = cheers = e-987
1F37C		BABY BOTTLE

**Celebration symbols**

1F380		RIBBON = e-50F
1F381		WRAPPED PRESENT = e-510
1F382		BIRTHDAY CAKE = e-511

1F383

JACK O LANTERN  
= hallowe'en  
= e-51F

1F384 CHRISTMAS TREE  
= e-512

1F385 SANTA CLAUS  
= e-513

1F386 FIREWORKS  
= e-515

1F387 FIREWORK SPARKLER  
• long, stick-like firework that looks like a burning incense stick  
= e-51D

1F388 BALLOON  
= e-516

1F389 PARTY POPPER  
= e-517

1F38A CONFETTI BALL  
= congratulations  
= e-520

1F38B TANABATA TREE  
= tanabata tree with wishing papers  
= e-521

1F38C CROSSED FLAGS  
• Japanese national holiday  
= e-514

1F38D PINE DECORATION  
• Japanese new year's door decoration  
= e-518

1F38E GIRLS DOLL FESTIVAL  
= e-519

1F38F CARP STREAMER  
= e-51C

1F390 WIND CHIME  
= e-51E

1F391 MOON VIEWING CEREMONY  
= e-017

1F392 SCHOOL SATCHEL  
• Japanese school entrance ceremony  
= e-51B

1F393 GRADUATION CAP  
• graduation ceremony  
= e-51A

**Entertainment symbols**

1F3A0 CAROUSEL HORSE  
= amusement park  
= e-7FC

1F3A1 FERRIS WHEEL  
= amusement park  
= e-7FD

1F3A2 ROLLER COASTER  
= e-7FE

1F3A3 FISHING  
= fishing pole and fish  
= e-7FF

1F3A4 MICROPHONE  
= karaoke  
= e-800

1F3A5 MOVIES  
= film, movie projector  
= e-801

**Miscellaneous Pictographic Symbols**

1F3BB

1F3A6 CINEMA  
= movie theater, movie projector  
= e-802

1F3A7 HEADPHONE  
= music  
= e-803

1F3A8 ART  
= painter's pallet  
= e-804

1F3A9 TOP HAT  
= drama, performing arts, theater  
= e-805

1F3AA EVENT  
= circus tent  
= e-806

1F3AB TICKET  
• indicate an event  
= e-807

1F3AC MOVIE SHOOTING CLAPBOARD  
= e-808

1F3AD PERFORMING ARTS  
= e-809

**Game symbols**

1F3AE VIDEO GAME  
= video game controller  
= e-80A

1F3AF DIRECT HIT  
= archery target, hitting the target  
→ 25CE bullseye  
= e-80C

1F3B0 SLOT MACHINE  
= e-80D

1F3B1 BILLIARDS  
= e-80E

1F3B2 GAME DIE  
= e-80F

1F3B3 BOWLING  
= e-810

1F3B4 FLOWER PLAYING CARDS  
= flower cards  
= e-811

**Music symbols**

1F3B5 MUSICAL NOTE  
= music, being in good mood  
→ 266A eighth note  
= e-813

1F3B6 MULTIPLE MUSICAL NOTES  
= dancing notes, mood, melody  
= e-814

1F3B7 SAXOPHONE  
= e-815

1F3B8 GUITAR  
= e-816

1F3B9 MUSICAL KEYBOARD  
= e-817

1F3BA TRUMPET  
= e-818

1F3BB VIOLIN  
= e-819

1F3BC

## Miscellaneous Pictographic Symbols

1F3F0

1F3BC MUSICAL SCORE

→ 1D11E musical symbol g clef  
= e-81A**Sport symbols**1F3BD RUNNING SHIRT WITH SASH  
= e-7D01F3BE TENNIS  
= e-7D31F3BF SKIING  
→ 26F7 skier  
= e-7D51F3C0 BASKETBALL  
= e-7D61F3C1 CHECKERED FLAG  
= motor sports  
= e-7D71F3C2 SNOWBOARDER  
= e-7D81F3C3 RUNNER  
= running, marathon, track and fields  
= e-7D91F3C4 SURFER  
= surfing  
= e-7DA

1F3C5 &lt;reserved&gt;

1F3C6 TROPHY  
= e-7DB1F3C7 HORSE RACING  
= e-7DC1F3C8 AMERICAN FOOTBALL  
= e-7DD

1F3C9 RUGBY FOOTBALL

1F3CA SWIMMER  
= e-7DE**Building and map symbols**1F3E0 HOUSE BUILDING  
= e-4B01F3E1 HOUSE WITH YARD  
= house with garden  
= e-4B11F3E2 OFFICE BUILDING  
= e-4B21F3E3 JAPANESE POST OFFICE  
→ 3012 postal mark  
= e-4B3

1F3E4 EUROPEAN POST OFFICE

1F3E5 HOSPITAL  
= e-4B41F3E6 BANK  
= e-4B51F3E7 ATM  
= e-4B61F3E8 HOTEL  
= e-4B71F3E9 LOVE HOTEL  
= e-4B81F3EA CONVENIENCE STORE  
= e-4B91F3EB SCHOOL  
= e-4BA

1F3EC DEPARTMENT STORE

= e-4BD

1F3ED FACTORY  
= e-4C01F3EE IZAKAYA LANTERN  
= japanese izakaya restaurant  
= e-4C21F3EF JAPANESE CASTLE  
= e-4BE1F3F0 WESTERN CASTLE  
= e-4BF

1F400

## Miscellaneous Pictographic Symbols

1F4FF

1F40 1F41 1F42 1F43 1F44 1F45 1F46 1F47 1F48 1F49 1F4A 1F4B 1F4C 1F4D 1F4E 1F4F

																
1F400	1F410	1F420	1F430	1F440	1F450	1F460		1F480	1F490	1F4A0	1F4B0	1F4C0	1F4D0	1F4E0	1F4F0	
																
1F401	1F411	1F421	1F431		1F451	1F461	1F471	1F481	1F491	1F4A1	1F4B1	1F4C1	1F4D1	1F4E1	1F4F1	
																
1F402	1F412	1F422	1F432	1F442	1F452	1F462	1F472	1F482	1F492	1F4A2	1F4B2	1F4C2	1F4D2		1F4F2	
																
1F403	1F413	1F423	1F433	1F443	1F453	1F463	1F473	1F483	1F493	1F4A3	1F4B3	1F4C3	1F4D3	1F4E3	1F4F3	
																
1F404	1F414	1F424	1F434	1F444	1F454	1F464	1F474	1F484	1F494	1F4A4	1F4B4	1F4C4	1F4D4	1F4E4	1F4F4	
																
1F405	1F415	1F425	1F435	1F445	1F455	1F465	1F475	1F485	1F495	1F4A5	1F4B5	1F4C5	1F4D5	1F4E5	1F4F5	
																
1F406	1F416	1F426	1F436	1F446	1F456	1F466	1F476	1F486	1F496	1F4A6	1F4B6	1F4C6	1F4D6	1F4E6	1F4F6	
												1F4C7	1F4D7	1F4E7	1F4F7	
1F407	1F417	1F427	1F437	1F447	1F457	1F467	1F477	1F487	1F497	1F4A7						
																
1F408	1F418	1F428	1F438	1F448	1F458	1F468	1F478	1F488	1F498	1F4A8	1F4B8	1F4C8	1F4D8	1F4E8	1F4F8	
																
1F409	1F419	1F429	1F439	1F449	1F459	1F469	1F479	1F489	1F499	1F4A9	1F4B9	1F4C9	1F4D9	1F4E9	1F4F9	
																
1F40A	1F41A	1F42A	1F43A	1F44A	1F45A	1F46A	1F47A	1F48A	1F49A	1F4AA	1F4BA	1F4CA	1F4DA	1F4EA	1F4FA	
																
1F40B	1F41B	1F42B	1F43B	1F44B	1F45B	1F46B	1F47B	1F48B	1F49B	1F4AB	1F4BB	1F4CB	1F4DB	1F4EB	1F4FB	
																
1F40C	1F41C	1F42C	1F43C	1F44C	1F45C	1F46C	1F47C	1F48C	1F49C	1F4AC	1F4BC	1F4CC	1F4DC	1F4EC	1F4FC	
																
1F40D	1F41D	1F42D	1F43D	1F44D	1F45D	1F46D	1F47D	1F48D	1F49D	1F4AD	1F4BD	1F4CD	1F4DD	1F4ED	1F4FD	
				1F44E												
1F40E	1F41E	1F42E			1F44E											
1F40F	1F41F	1F42F			1F44F											

1F400

## Miscellaneous Pictographic Symbols

1F43A

1F400		DOG FACE = e-1B7
1F401		CAT FACE = e-1B8
1F402		SNAIL • zodiac 5 = e-1B9
1F403		BABY CHICK = e-1BA
1F404		FRONT-FACING BABY CHICK = e-1BB
1F405		HATCHING CHICK = e-1DD
1F406		PENGUIN = e-1BC
1F407		FISH = e-1BD
1F408		HORSE FACE = e-1BE
1F409		PIG FACE = e-1BF
1F40A		TIGER FACE = e-1C0
1F40B		BEAR FACE = e-1C1
1F40C		MOUSE FACE = e-1C2
1F40D		SPOUTING WHALE = e-1C3
1F40E		MONKEY FACE = e-1C4
1F40F		OCTOPUS = e-1C5
1F410		SPIRAL SHELL = e-1C6
1F411		DOLPHIN = e-1C7
1F412		BIRD = e-1C8
1F413		TROPICAL FISH = e-1C9
1F414		HAMSTER FACE = e-1CA
1F415		BUG = e-1CB
1F416		ELEPHANT • zodiac 12 (Thailand) = e-1CC
1F417		KOALA = e-1CD
1F418		MONKEY • zodiac 9 = e-1CE
1F419		SHEEP = e-1CF
1F41A		WOLF FACE = e-1D0
1F41B		COW FACE = e-1D1
1F41C		RABBIT FACE = e-1D2

1F41D		SNAKE = e-1D3
1F41E		CHICKEN = e-1D4
1F41F		BOAR = e-1D5
1F420		CAMEL = e-1D6
1F421		FROG FACE = e-1D7
1F422		POODLE = e-1D8
1F423		BLOWFISH = e-1D9
1F424		ANT = e-1DA
1F425		PAW PRINTS = e-1DB
1F426		TURTLE = e-1DC
1F427		DRAGON FACE = e-1DE
1F428		PANDA FACE = e-1DF
1F429		PIG NOSE = e-1E0
1F42A		HONEYBEE = e-1E1
1F42B		LADYBUG = e-1E2
1F42C		COW = beef
1F42D		RAT • zodiac 1
1F42E		MOUSE • zodiac 1 (Persia)
1F42F		OX • zodiac 2
1F430		WATER BUFFALO • zodiac 2 (Vietnam)
1F431		TIGER • zodiac 3
1F432		LEOPARD • zodiac 3 (Persia)
1F433		CAT • zodiac 4
1F434		RABBIT • zodiac 4
1F435		DRAGON • zodiac 5
1F436		WHALE • zodiac 5 (Persia)
1F437		CROCODILE • zodiac 5 (Persia)
1F438		HORSE • zodiac 7
1F439		RAM • zodiac 8
1F43A		GOAT • zodiac 8 (Vietnam)

1F43B

## Miscellaneous Pictographic Symbols

1F476

- 1F43B ROOSTER  
• zodiac 10
- 1F43C DOG  
• zodiac 11
- 1F43D PIG  
= pork  
• zodiac 12

**Facial parts symbols**

- 1F440 EYES  
= e-190
- 1F441 <reserved>
- 1F442 EAR  
= e-191
- 1F443 NOSE  
= e-192
- 1F444 MOUTH  
= e-193
- 1F445 TONGUE  
= e-194

**Hand signal symbols**

- 1F446 FISTED HAND  
= punch  
= e-B96
- 1F447 THUMBS UP SIGN  
= e-B97
- 1F448 WHITE UP POINTING BACKHAND INDEX  
= e-B99
- 1F449 WHITE DOWN POINTING BACKHAND INDEX  
= e-B9A
- 1F44A WHITE LEFT POINTING BACKHAND INDEX  
= e-B9B
- 1F44B WHITE RIGHT POINTING BACKHAND INDEX  
= e-B9C
- 1F44C WAVING HAND  
= e-B9D
- 1F44D CLAPPING HANDS  
= e-B9E
- 1F44E OK HAND SIGN  
= e-B9F
- 1F44F THUMBS DOWN SIGN  
= e-BA0
- 1F450 OPEN HANDS  
= e-BA1

**Clothing and accessories**

- 1F451 CROWN  
= e-4D1
- 1F452 WOMANS HAT  
= e-4D4
- 1F453 EYEGLASSES  
= e-4CE
- 1F454 NECKTIE  
= e-4D3
- 1F455 T-SHIRT  
= e-4CF
- 1F456 JEANS  
= e-4D0
- 1F457 DRESS  
= e-4D5
- 1F458 KIMONO  
= e-4D9

- 1F459 BIKINI  
= e-4DA
- 1F45A WOMANS CLOTHES  
= e-4DB
- 1F45B PURSE  
= e-4DC
- 1F45C HANDBAG  
= e-4F0
- 1F45D POUCH  
= e-4F1
- 1F45E MANS SHOE  
= e-4CC
- 1F45F SNEAKER  
= tennis shoe  
= e-4CD
- 1F460 HIGH-HEELED SHOE  
= e-4D6
- 1F461 WOMANS SANDAL  
= e-4D7
- 1F462 WOMANS BOOTS  
= e-4D8
- 1F463 FOOTPRINTS  
= e-553

**Portrait and role symbols**

- 1F464 BUST IN SILHOUETTE  
= guest account  
= e-19A
- 1F465 BUSTS IN SILHOUETTE
- 1F466 BOYS HEAD  
= e-19B
- 1F467 GIRLS HEAD  
= e-19C
- 1F468 MANS HEAD  
= e-19D
- 1F469 WOMANS HEAD  
= e-19E
- 1F46A FAMILY  
= e-19F
- 1F46B COUPLE  
= e-1A0
- 1F46C POLICE OFFICER  
= e-1A1
- 1F46D WOMAN WITH BUNNY EARS  
= e-1A2
- 1F46E BRIDE WITH VEIL  
= e-1A3
- 1F46F WESTERN PERSON  
= woman with blond hair  
= e-1A4
- 1F470 <reserved>
- 1F471 MAN WITH GUA PI MAO  
= e-1A5
- 1F472 MAN WITH TURBAN  
= e-1A6
- 1F473 OLDER MAN  
= e-1A7
- 1F474 OLDER WOMAN  
= e-1A8
- 1F475 BABY  
= e-1A9
- 1F476 CONSTRUCTION WORKER  
= e-1AA

1F477

## Miscellaneous Pictographic Symbols

1F4AA

**Fairy tale symbols**

- 1F477 PRINCESS  
= e-1AB
- 1F478 OGRE  
= e-1AC
- 1F479 GOBLIN  
= e-1AD
- 1F47A GHOST  
= e-1AE
- 1F47B CHERUB  
= e-1AF
- 1F47C EXTRATERRESTRIAL ALIEN  
= e-1B0
- 1F47D ALIEN MONSTER  
= e-1B1
- 1F47E IMP  
= e-1B2
- 1F47F SKULL  
= e-1B3

**Role symbols**

- 1F480 INFORMATION DESK PERSON  
= e-1B4
- 1F481 GUARDSMAN  
= e-1B5
- 1F482 DANCER  
= e-1B6

**Personal care symbols**

- 1F483 LIPSTICK  
= e-195
- 1F484 NAIL CARE  
= e-196
- 1F485 FACE MASSAGE  
= e-197
- 1F486 HAIRCUT  
• usually indicates a beauty parlor  
= e-198
- 1F487 BARBER POLE  
= e-199

**Medical symbols**

- 1F488 SYRINGE  
= e-509
- 1F489 PILL  
= e-50A

**Romance symbols**

- 1F48A KISS MARK  
= lips  
= e-823
- 1F48B LOVE LETTER  
= e-824
- 1F48C RING  
= jewelry  
= e-825
- 1F48D GEM STONE  
= e-826
- 1F48E KISS  
= two people kissing  
= e-827
- 1F48F BOUQUET  
= e-828

1F490 COUPLE WITH HEART

= e-829

1F491 WEDDING

= wedding chapel

= e-82A

**Heart symbols**

- 1F492 BEATING HEART  
= e-B0D
- 1F493 BROKEN HEART  
= e-B0E
- 1F494 TWO HEARTS  
= e-B0F
- 1F495 SPARKLING HEART  
= e-B10
- 1F496 GROWING HEART  
= e-B11
- 1F497 HEART WITH ARROW  
= e-B12
- 1F498 HEART-1  
= e-B13
- 1F499 HEART-2  
= e-B14
- 1F49A HEART-3  
= e-B15
- 1F49B HEART-4  
= e-B16
- 1F49C HEART WITH RIBBON  
= e-B17
- 1F49D REVOLVING HEARTS  
= e-B18
- 1F49E HEART DECORATION  
= e-B19

**Comic style symbols**

- 1F4A0 DIAMOND SHAPE WITH A DOT INSIDE  
= e-B55
- 1F4A1 ELECTRIC LIGHT BULB  
= idea  
= e-B56
- 1F4A2 ANGER SIGN  
= e-B57
- 1F4A3 BOMB  
= e-B58
- 1F4A4 SLEEPING SIGN  
= e-B59
- 1F4A5 COLLISION SYMBOL  
= e-B5A
- 1F4A6 SPLASHING SWEAT  
= e-B5B
- 1F4A7 DRIP  
= e-B5C
- 1F4A8 DASH SYMBOL  
= running dash  
= e-B5D
- 1F4A9 DUNG  
= dog dirt  
= e-4F4
- 1F4AA FLEXED BICEP  
= strong, muscled  
= e-B5E

1F4AB

## Miscellaneous Pictographic Symbols

1F4E4

1F4AB DIZZY SYMBOL  
= circling stars  
= e-85F

1F4AC SPEECH BALLOON  
= comic book conversation bubble  
= e-532

1F4AD THOUGHT BALLOON

**School grade symbols**

1F4AE WHITE FLOWER  
= brilliant homework  
= e-87A

1F4AF HUNDRED POINTS SYMBOL  
= perfect score  
= e-87B

**Money symbols**

1F4B0 MONEY BAG  
= e-4DD

1F4B1 CURRENCY EXCHANGE  
= e-4DE

1F4B2 HEAVY DOLLAR SIGN  
= e-4EO

1F4B3 CREDIT CARD  
= e-4E1

1F4B4 BANKNOTE WITH YEN SIGN  
= e-4E2

1F4B5 BANKNOTE WITH DOLLAR SIGN  
= e-4E3

1F4B6 BANKNOTE WITH EURO SIGN

1F4B7 <reserved>

1F4B8 MONEY WITH WINGS  
= e-4E4

1F4B9 CHART WITH UPWARDS TREND AND YEN SYMBOL  
= e-4DF

**Office symbols**

1F4BA SEAT  
= e-537

1F4BB COMPUTER  
= e-538

1F4BC BRIEFCASE  
= e-53B

1F4BD MINI DISC  
= e-53C

1F4BE FLOPPY DISK  
= e-53D

1F4BF OPTICAL DISK  
= e-81D

1F4C0 DVD  
= e-81E

1F4C1 FILE FOLDER  
= e-543

1F4C2 OPEN FILE FOLDER  
= e-544

1F4C3 PAGE WITH CURL  
= e-540

1F4C4 PAGE FACING UP  
= e-541

1F4C5 CALENDAR  
= e-542

1F4C6 TEAR OFF CALENDAR  
= e-549

1F4C7 CARD INDEX  
= e-54D

1F4C8 CHART WITH UPWARDS TREND  
= e-54B

1F4C9 CHART WITH DOWNTOWNS TREND  
= e-54C

1F4CA BAR CHART  
= e-54A

1F4CB CLIPBOARD  
= e-548

1F4CC PUSHPIN  
= e-54E

1F4CD ROUND PUSHPIN  
= e-53F

1F4CE PAPERCLIP  
= e-53A

1F4CF STRAIGHT RULER  
= e-550

1F4D0 TRIANGULAR RULER  
= e-551

1F4D1 BOOKMARK TABS  
= e-552

1F4D2 LEDGER  
= e-54F

1F4D3 NOTEBOOK  
= e-545

1F4D4 NOTEBOOK WITH DECORATIVE COVER  
= e-547

1F4D5 VERTICAL CLOSED BOOK  
= e-502

1F4D6 OPEN BOOK  
= e-546

1F4D7 BOOK-1  
= e-4FF

1F4D8 BOOK-2  
= e-500

1F4D9 BOOK-3  
= e-501

1F4DA BOOKS  
= e-503

1F4DB NAME BADGE  
= e-504

1F4DC SCROLL  
= e-4FD

**Communication symbols**

1F4DD MEMO  
= e-527

1F4DE TELEPHONE RECEIVER  
= e-524

1F4DF PAGER  
= e-522

1F4E0 FAX  
= e-528

1F4E1 SATELLITE ANTENNA  
= position indicator, news  
= e-531

1F4E2 <reserved>

1F4E3 PUBLIC ADDRESS LOUDSPEAKER  
= e-52F

1F4E4 CHEERING MEGAPHONE  
= e-530

1F4E5

## Miscellaneous Pictographic Symbols

1F4FF

1F4E5	 OUTBOX TRAY = e-533
1F4E6	 INBOX TRAY = e-534
1F4E7	 PACKAGE = e-535
1F4E8	 E-MAIL SYMBOL = e-B92
1F4E9	 INCOMING ENVELOPE → 2709  envelope = e-52A
1F4EA	 ENVELOPE WITH ARROW • sending mail = e-52B
1F4EB	 MAILBOX = letter box, mail reception = e-52C
1F4EC	 MAILBOX WITH RAISED FLAG = e-52D
1F4ED	 POSTBOX = mailbox for sending mail = e-52E
1F4EE	 POSTAL HORN
1F4EF	 NEWSPAPER = e-822
1F4F0	 MOBILE PHONE = e-525
1F4F1	 PHONE WITH ARROW • making a phone call = e-526
1F4F2	 VIBRATION MODE = e-839
1F4F3	 MOBILE PHONE OFF = e-83A
1F4F4	 NO MOBILE PHONES
1F4F5	 ANTENNA WITH BARS = cellular reception = e-838
1F4F6	 KEYCAP TEN = e-83B

**Audio and video**

1F4F7	 CAMERA = e-4EF
1F4F8	 VIDEO CAMERA = e-4F9
1F4F9	 TELEVISION = e-81C
1F4FA	 RADIO = e-81F
1F4FB	 VIDEO CASSETTE TAPE = e-820
1F4FC	 SPEAKER WITH CANCELLATION STROKE
1F4FD	 SPEAKER
1F4FE	 SPEAKER WITH ONE SOUND WAVE
1F4FF	 SPEAKER WITH THREE SOUND WAVES = sound = e-821

1F500

## Miscellaneous Pictographic Symbols

1F5FF

1F50 1F51 1F52 1F53 1F54 1F55 1F56 1F57 1F58 1F59 1F5A 1F5B 1F5C 1F5D 1F5E 1F5F

0	1F500	1F510	1F520	1F530	1F540	1F550	1F560								
1															
2															
3															
4															
5															
6															
7															
8															
9															
A															
B															
C															
D															
E															
F															

1F500

## Miscellaneous Pictographic Symbols

1F537

1F500	FREE SIGN = free postage = e-B21
1F501	NO ONE UNDER EIGHTEEN SIGN = e-B25
1F502	OK SIGN = e-B27
1F503	NO GOOD SIGN = e-B28
1F504	VS SIGN = versus = e-B32
1F505	NEW SIGN = e-B36
1F506	UP SIGN = new information, update = e-B37
1F507	COOL SIGN = e-B38
1F508	TOP WITH UP-POINTING TRIANGLE SIGN = top of page = e-B42
1F509	SOS SIGN = search, hunt for missing person = e-B4F

## Time symbols

1F50A	SOON WITH RIGHT ARROW ABOVE = e-018
1F50B	ON WITH DOUBLE POINTING ARROW ABOVE = e-019
1F50C	END WITH LEFT ARROW ABOVE = e-01A
1F50D	BACK WITH LEFT ARROW ABOVE = e-B8E

## UI input status symbols

1F50E	LATIN CAPITAL LETTERS INPUT SYMBOL = e-B7C
1F50F	LATIN SMALL LETTERS INPUT SYMBOL = e-B7D
1F510	NUMBERS INPUT SYMBOL = e-B7E
1F511	SYMBOLS INPUT SYMBOL = e-B7F
1F512	LATIN LETTERS INPUT SYMBOL = english input (ABC) = e-B80

## User interface symbols

1F513	IDENTIFICATION SIGN = e-B81
1F514	CLEAR SIGN = e-B84
1F515	DOUBLE CLOCKWISE OPEN CIRCLE ARROWS = clockwise upwards and downwards open circle arrows = reload = e-B91
1F516	TWISTED RIGHTWARDS ARROWS
1F517	CLOCKWISE RIGHTWARDS AND LEFTWARDS OPEN CIRCLE ARROWS

1F518	CLOCKWISE RIGHTWARDS AND LEFTWARDS OPEN CIRCLE ARROWS WITH CIRCLED ONE OVERLAY
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## Tool symbols

1F51C	DIM SCREEN SYMBOL
1F51D	BRIGHT SCREEN SYMBOL
1F51E	BATTERY = e-4FC
1F51F	ELECTRIC PLUG = e-4FE
1F520	LEFT-POINTING MAGNIFYING GLASS = search = e-B85
1F521	RIGHT-POINTING MAGNIFYING GLASS = get more details = e-B8D
1F522	LOCK WITH INK PEN = privacy = e-B90
1F523	CLOSED LOCK WITH KEY = secure = e-B8A
1F524	KEY = e-B82
1F525	RADIO BUTTON = e-B8C
1F526	BOOKMARK = e-B8F
1F527	LINK SYMBOL = e-B4B
1F528	FIRE = e-4F6
1F529	<reserved>
1F52A	FLASHLIGHT = electric torch = e-4FB
1F52B	WRENCH = e-4C9
1F52C	HAMMER = e-4CA
1F52D	NUT AND BOLT = e-4CB
1F52E	KNIFE = e-4FA
1F52F	PISTOL = e-4F5
1F530	MICROSCOPE
1F531	TELESCOPE
1F532	CRYSTAL BALL = e-4F7
1F533	SIX POINTED STAR WITH MIDDLE DOT = e-4F8
1F534	JAPANESE SYMBOL FOR BEGINNER = e-044
1F535	TRIDENT EMBLEM = e-4D2

## Geometric shapes

1F536	BLACK ROUNDED SQUARE = e-BA3
1F537	WHITE ROUNDED SQUARE = e-B67

1F538

- LARGE CIRCLE-1  
→ 25EF ○ large circle  
→ 2B24 ● black large circle  
= e-B63

1F539

- LARGE CIRCLE-2  
→ 25EF ○ large circle  
→ 2B55 ○ heavy large circle  
= e-B64

1F53A

- ◆ LARGE DIAMOND-1  
= e-B73

1F53B

- ◆ LARGE DIAMOND-2  
= e-B74

1F53C

- ◆ SMALL DIAMOND-1  
= e-B75

1F53D

- ◆ SMALL DIAMOND-2  
= e-B76

**User Interface symbols**

1F540

- ▲ UP-POINTING TRIANGLE-1  
= e-B78

1F541

- ▼ DOWN-POINTING TRIANGLE-1  
= e-B79

1F542

- ▲ UP-POINTING SMALL TRIANGLE-1  
= play arrow up  
= e-B01

1F543

- ▼ DOWN-POINTING SMALL TRIANGLE-1  
= play arrow down  
= e-B00

1F544

- ▣ <reserved>

1F545

- ▣ <reserved>

1F546

- ▣ <reserved>

1F547

- ▣ <reserved>

1F548

- ▣ <reserved>

1F549

- ▣ <reserved>

1F54A

- ▣ <reserved>

1F54B

- 🔒 LOCK  
= padlock in locked position  
= e-B86

1F54C

- 🔓 OPEN LOCK  
= e-B87

1F54D

- 🔔 BELL  
= e-4F2

1F54E

- 🔕 BELL WITH CANCELLATION STROKE

1F54F

- ▣ <reserved>

1F550

- ⌚ CLOCK FACE ONE OCLOCK  
= e-01E

1F551

- ⌚ CLOCK FACE TWO OCLOCK  
= e-01F

1F552

- ⌚ CLOCK FACE THREE OCLOCK  
= e-020

1F553

- ⌚ CLOCK FACE FOUR OCLOCK  
= e-021

1F554

- ⌚ CLOCK FACE FIVE OCLOCK  
= e-022

1F555

- ⌚ CLOCK FACE SIX OCLOCK  
= e-023

1F556

- ⌚ CLOCK FACE SEVEN OCLOCK  
= e-024

1F557

- ⌚ CLOCK FACE EIGHT OCLOCK  
= e-025

1F558

- ⌚ CLOCK FACE NINE OCLOCK  
= e-026

**Miscellaneous Pictographic Symbols**

1F564

1F559

- ⌚ CLOCK FACE TEN OCLOCK  
= e-027

1F55A

- ⌚ CLOCK FACE ELEVEN OCLOCK  
= e-028

1F55B

- ⌚ CLOCK FACE TWELVE OCLOCK  
= e-029

**Emoji Compatibility symbols**

1F560

- 🗻 EMOJI COMPATIBILITY SYMBOL-1  
= mount fuji  
= e-4C3

1F561

- 🗼 EMOJI COMPATIBILITY SYMBOL-2  
= tokyo tower  
= e-4C4

1F562

- 🗽 EMOJI COMPATIBILITY SYMBOL-3  
= statue of liberty  
= e-4C6

1F563

- 🗾 EMOJI COMPATIBILITY SYMBOL-4  
= sketch of Japan  
= e-4C7

1F564

- 🗿 EMOJI COMPATIBILITY SYMBOL-5  
= moyai  
• japanese stone statue like Moai on Easter Island  
= e-4C8

1F600

## Emoticons

1F64F

	1F60	1F61	1F62	1F63	1F64
0	😊	☺	😢	😿	
1	🙁	😁	😉	😺	
2	😯	😑	😌	😿	
3	😢	😆	😅	🤥	
4	👀	😁	😞	gMaps	
5	😭	☺	😊	😴	
6	😐	☺	😊	砑	
7	😍	😒	😊	🐵	
8	😃	😱	😎	🐵	
9	;-)	😢		CallableWrapper	
A	;o)	😞	😺	🙌	
B	😊	😡	😺	꒰	
C	😍	☺	😺	阘	
D	😘	😦	😺	DERP	
E	😂	😦	😺		
F	🤣	😱	😺		

1F600

## Emoticons

1F63C

**Emoticons**

- 1F600 ANGRY FACE  
= e-320
- 1F601 ANGUISHED FACE  
= e-321
- 1F602 ASTONISHED FACE  
= e-322
- 1F603 DISAPPOINTED FACE  
= e-323
- 1F604 DIZZY FACE  
= e-324
- 1F605 EXASPERATED FACE  
= e-325
- 1F606 EXPRESSIONLESS FACE  
= e-326
- 1F607 FACE WITH HEART SHAPED EYES  
= e-327
- 1F608 FACE WITH LOOK OF TRIUMPH  
= e-328
- 1F609 WINKING FACE WITH STUCK OUT TONGUE  
= e-329
- 1F60A FACE WITH STUCK OUT TONGUE  
= e-32A
- 1F60B FACE SAVORING DELICIOUS FOOD  
= e-32B
- 1F60C FACE THROWING A KISS  
= e-32C
- 1F60D FACE KISSING  
= e-32D
- 1F60E FACE WITH MASK  
= e-32E
- 1F60F FLUSHED FACE  
= e-32F
- 1F610 HAPPY FACE WITH OPEN MOUTH  
= e-330
- 1F611 HAPPY FACE WITH OPEN MOUTH AND COLD SWEAT  
= e-331
- 1F612 HAPPY FACE WITH OPEN MOUTH AND CLOSED EYES  
= e-332
- 1F613 HAPPY FACE WITH GRIN  
= e-333
- 1F614 HAPPY AND CRYING FACE  
= e-334
- 1F615 HAPPY FACE WITH WIDE MOUTH AND RAISED EYEBROWS  
= e-335
- 1F616 HAPPY FACE WITH OPEN MOUTH AND RAISED EYEBROWS  
= e-338
- 1F617 CRYING FACE  
= e-339
- 1F618 LOUDLY CRYING FACE  
= e-33A
- 1F619 FEARFUL FACE  
= e-33B
- 1F61A PERSEVERING FACE  
= e-33C
- 1F61B POUTING FACE  
= e-33D
- 1F61C RELIEVED FACE  
= e-33E

1F61D CONFOUNDED FACE  
= e-33F1F61E PENSIVE FACE  
= e-3401F61F FACE SCREAMING IN FEAR  
= e-3411F620 SLEEPY FACE  
= e-3421F621 SMIRKING FACE  
= e-3431F622 FACE WITH COLD SWEAT  
= e-3441F623 DISAPPOINTED BUT RELIEVED FACE  
= e-3451F624 TIRED FACE  
= e-3461F625 WINKING FACE  
= e-347

1F626 FACE WITH HALO

1F627 FACE WITH HORNS

1F628 FACE WITH SUNGLASSES

**Emoticons with cat faces**1F62A CAT FACE WITH OPEN MOUTH  
= e-3481F62B HAPPY CAT FACE WITH GRIN  
= e-3491F62C HAPPY AND CRYING CAT FACE  
= e-34A1F62D CAT FACE KISSING  
= e-34B1F62E CAT FACE WITH HEART SHAPED EYES  
= e-34C1F62F CRYING CAT FACE  
= e-34D1F630 POUTING CAT FACE  
= e-34E1F631 CAT FACE WITH TIGHTLY CLOSED LIPS  
= e-34F1F632 ANGUISHED CAT FACE  
= e-350**Gesture symbols**1F633 FACE WITH NO GOOD GESTURE  
= e-3511F634 FACE WITH OK GESTURE  
= e-3521F635 PERSON BOWING DEEPLY  
= e-3531F636 SEE NO EVIL MONKEY  
= e-3541F637 SPEAK NO EVIL MONKEY  
= e-3551F638 HEAR NO EVIL MONKEY  
= e-3561F639 PERSON RAISING ONE HAND  
= e-3571F63A PERSON RAISING BOTH HANDS IN CHEERS  
= e-3581F63B PERSON FROWNING  
= e-3591F63C PERSON WITH POUTING FACE  
= e-35A



1F680

## Transport and Map Symbols

1F6FF

	1F68	1F69	1F6A	1F6B	1F6C	1F6D	1F6E	1F6F
0								
1								
2								
3								
4								
5								
6								
7								
8								
9								
A								
B								
C								
D								
E								
F								

1F680

## Transport and Map Symbols

1F6C4

**Vehicles**

1F680		ROCKET
	= e-7ED	
1F681		HELICOPTER
1F682		STEAM LOCOMOTIVE
1F683		RAILWAY CAR
1F684		HIGH-SPEED TRAIN
	= e-7E2	
1F685		HIGH-SPEED TRAIN WITH BULLET NOSE
	= e-7E3	
1F686		TRAIN
	= intercity train	
	= e-7DF	
1F687		SUBWAY
	= underground train	
	= e-7E0	
1F688		LIGHT RAIL
1F689		STATION
	= train, subway station	
	= e-7EC	
1F68A		TRAM
1F68B		TRAM CAR
1F68C		BUS-1
1F68D		BUS-2
	= e-7E6	
1F68E		TROLLEYBUS
1F68F		BUS STOP
	= e-7E7	
1F690		MINIBUS
1F691		AMBULANCE
	= e-7F3	
1F692		FIRE ENGINE
	= e-7F2	
1F693		POLICE CAR-1
	= e-7F4	
1F694		POLICE CAR-2
1F695		TAXI-1
	= e-7EF	
1F696		TAXI-2
1F697		AUTOMOBILE-1
	= e-7E4	
1F698		AUTOMOBILE-2
1F699		RECREATIONAL VEHICLE
	= e-7E5	
1F69A		TRUCK
	= e-7F1	
1F69B		ARTICULATED LORRY
1F69C		TRACTOR
1F69D		MONORAIL
1F69E		MOUNTAIN RAILWAY
1F69F		SUSPENSION RAILWAY
1F6A0		MOUNTAIN CABLEWAY
1F6A1		AERIAL TRAMWAY
1F6A2		SHIP
	→ 26F4	ferry
	= e-7E8	
1F6A3		ROWBOAT
1F6A4		SPEEDBOAT
	= e-7EE	

**Traffic signs**

1F6A5		HORIZONTAL TRAFFIC LIGHT
	= e-7F7	
1F6A6		VERTICAL TRAFFIC LIGHT
1F6A7		CONSTRUCTION SIGN
	= e-7F8	
1F6A8		POLICE CARS REVOLVING LIGHT
	= rotating beacon	
	= e-7F9	

**Signage and other symbols**

1F6A9		TRIANGULAR FLAG ON POST
	= location information	
	= e-B22	
1F6AA		DOOR
	= e-4F3	
1F6AB		NO ENTRY SIGN
	→ 26D4	no entry
	= e-B48	
1F6AC		SMOKING SYMBOL
	= e-B1E	
1F6AD		NO SMOKING SYMBOL
	= e-B1F	
1F6AE		PUT LITTER IN ITS PLACE SYMBOL
1F6AF		DO NOT LITTER SYMBOL
1F6B0		POTABLE WATER SYMBOL
1F6B1		NON-POTABLE WATER SYMBOL
1F6B2		BICYCLE
	= e-7EB	
1F6B3		NO BICYCLES
1F6B4		BICYCLIST
1F6B5		MOUNTAIN BICYCLIST
1F6B6		PEDESTRIAN
	= walking	
	= e-7F0	
1F6B7		NO PEDESTRIANS
1F6B8		CHILDREN CROSSING
1F6B9		MENS SYMBOL
	= man symbol	
	= men's restroom	
	= e-B33	
1F6BA		WOMENS SYMBOL
	= woman symbol	
	= women's restroom	
	= e-B34	
1F6BB		RESTROOM
	= man and woman symbol with divider	
	= e-506	
1F6BC		BABY SYMBOL
	= baby on board, baby changing station	
	= e-B35	
1F6BD		BATH
	= e-505	
1F6BE		SHOWER
1F6BF		TOILET
	= e-507	
1F6C0		WATER CLOSET
	= e-508	
1F6C1		PASSPORT CONTROL
1F6C2		CUSTOMS
1F6C3		BAGGAGE CLAIM
1F6C4		LEFT LUGGAGE

1F700

## Alchemical Symbols

1F77F

	1F70	1F71	1F72	1F73	1F74	1F75	1F76	1F77
0	QE 1F700	♀ 1F710	♀ 1F720	Ѡ 1F730	Ѱ 1F740	—x 1F750	Ѩ 1F760	ѿ 1F770
1	△ 1F701	Ѡ 1F711	♀° 1F721	Ѡ 1F731	Ѱ 1F741	—c 1F751	ſ 1F761	☒ 1F771
2	△ 1F702	ѿ 1F712	Ѡ 1F722	Ѡ 1F732	Ѱ 1F742	*€ 1F752	Ѱ 1F762	ѿ 1F772
3	▽ 1F703	ѿ 1F713	Ѡ 1F723	Ѡ 1F733	Ѱ 1F743	ѿ 1F753	ѿ 1F763	ѿ 1F773
4	▽ 1F704	⊖ 1F714	⊕€ 1F724	ѿ 1F734	↑ 1F744	◊ 1F754	Ѱ 1F764	
5	▽ 1F705	○ 1F715	Ѡ 1F725	Ѡ 1F735	□ 1F745	□· 1F755	Ѱ 1F765	
6	Ѡ 1F706	○ 1F716	Ѡ 1F726	Ѡ 1F736	ѿ 1F746	ѿ 1F756	ѿ 1F766	
7	ѿ 1F707	⊖ 1F717	Ѡ 1F727	ѿ 1F737	ѿsp 1F747	ѿ 1F757	Ѱ 1F767	
8	Ѷ 1F708	♂ 1F718	⊕ 1F728	ѿ 1F738	Ѿ 1F748	Ѱ 1F758	Ҭ 1F768	
9	ѿ 1F709	◊ 1F719	ѿ 1F729	ѿ 1F739	ѿ 1F749	ѿ 1F759	ѿ 1F769	
A	十字 1F70A	ѿ 1F71A	ѿ° 1F72A	ѿ 1F73A	ѿ 1F74A	ѿ 1F75A	ѿ 1F76A	
B	十字 1F70B	ѿ 1F71B	ѿ° 1F72B	ѿ 1F73B	ѿ 1F74B	ѿ 1F75B	ѿ 1F76B	
C	ѿ 1F70C	ѿ° 1F71C	ѿ 1F72C	ѿ 1F73C	ѿ 1F74C	ѿ 1F75C	ѿ 1F76C	
D	ѿ 1F70D	ѿ 1F71D	ѿ 1F72D	ѿ 1F73D	ѿ 1F74D	ѿ 1F75D	ѿ 1F76D	
E	ѿ 1F70E	ѿ 1F71E	ѿ 1F72E	ѿ 1F73E	ѿ 1F74E	ѿ 1F75E	ѿ 1F76E	
F	ѿ 1F70F	ѿ 1F71F	ѿ 1F72F	ѿ 1F73F	ѿ 1F74F	ѿ 1F75F	ѿ 1F76F	

1F700

## Alchemical Symbols

1F72A

**Aristotelian elements symbols**

- 1F700 ALCHEMICAL SYMBOL FOR QUINTESSENCE  
 1F701 ALCHEMICAL SYMBOL FOR AIR  
 1F702 ALCHEMICAL SYMBOL FOR FIRE  
     → 25B3 white up-pointing triangle  
 1F703 ALCHEMICAL SYMBOL FOR EARTH  
     → 2641 earth  
 1F704 ALCHEMICAL SYMBOL FOR WATER  
     → 25BD white down-pointing triangle

**Symbols for important solvents**

- 1F705 ALCHEMICAL SYMBOL FOR AQUAFORTIS  
 1F706 ALCHEMICAL SYMBOL FOR AQUA REGIA  
 1F707 ALCHEMICAL SYMBOL FOR AQUA REGIA-2  
     = balneum arenae (sand bath), lapis armenus (Armenian stone)  
 1F708 ALCHEMICAL SYMBOL FOR AQUA-VITAE  
     = spiritus vini  
 1F709 ALCHEMICAL SYMBOL FOR AQUA-VITAE-2  
 1F70A ALCHEMICAL SYMBOL FOR VINEGAR  
     = crucible; acid; distill; atrament; vitriol; red sulfur; borax; wine; alkali salt; mercurius vivus, quick silver  
     → 002B + plus sign  
 1F70B ALCHEMICAL SYMBOL FOR VINEGAR-2  
     = distilled vinegar  
 1F70C ALCHEMICAL SYMBOL FOR VINEGAR-3

**Symbols for sulfur and mercury**

- 1F70D ALCHEMICAL SYMBOL FOR SULFUR  
     = brimstone  
 1F70E ALCHEMICAL SYMBOL FOR PHILOSOPHERS SULFUR  
 1F70F ALCHEMICAL SYMBOL FOR BLACK SULFUR  
     = sulphur nigra, dye  
 1F710 ALCHEMICAL SYMBOL FOR MERCURY SUBLIMATE  
     → 263F mercury  
     → 1F75E alchemical symbol for sublimation  
 1F711 ALCHEMICAL SYMBOL FOR MERCURY SUBLIMATE-2  
 1F712 ALCHEMICAL SYMBOL FOR MERCURY SUBLIMATE-3  
 1F713 ALCHEMICAL SYMBOL FOR CINNABAR

**Symbols for salt, vitriol, and niter**

- 1F714 ALCHEMICAL SYMBOL FOR SALT  
     → 25A1 white square  
     → 2296 circled minus  
 1F715 ALCHEMICAL SYMBOL FOR NITER  
     → 29B6 circled vertical bar  
 1F716 ALCHEMICAL SYMBOL FOR VITRIOL  
 1F717 ALCHEMICAL SYMBOL FOR VITRIOL-2  
 1F718 ALCHEMICAL SYMBOL FOR ROCK SALT  
     = sal gemmae  
 1F719 ALCHEMICAL SYMBOL FOR ROCK SALT-2

**Symbol for gold**

- 1F71A ALCHEMICAL SYMBOL FOR GOLD  
     → 2609 sun

**Symbol for silver**

- 1F71B ALCHEMICAL SYMBOL FOR SILVER  
     → 263D first quarter moon  
     → 263E last quarter moon

**Symbols for iron, iron ore and derivatives**

- 1F71C ALCHEMICAL SYMBOL FOR IRON ORE  
     → 2642 male sign  
 1F71D ALCHEMICAL SYMBOL FOR IRON ORE-2  
 1F71E ALCHEMICAL SYMBOL FOR CROCUS OF IRON  
     = crocus martis, red or yellow calcined powder of iron  
 1F71F ALCHEMICAL SYMBOL FOR REGULUS OF IRON  
     = regulus martis, scoria from refining stibnite/antimony with iron

**Symbols for copper, copper ore and derivatives**

- 1F720 ALCHEMICAL SYMBOL FOR COPPER ORE  
     → 2640 female sign  
 1F721 ALCHEMICAL SYMBOL FOR IRON-COPPER ORE  
     → 2640 female sign  
     → 2642 male sign  
     → 26A5 male and female sign  
 1F722 SUBLIMATE OF COPPER  
     → 2640 female sign  
     → 1F739 alchemical symbol for sal-ammoniac  
 1F723 ALCHEMICAL SYMBOL FOR CROCUS OF COPPER  
     = crocus veneris, aes ustum  
     → 2640 female sign  
 1F724 ALCHEMICAL SYMBOL FOR CROCUS OF COPPER-2  
 1F725 ALCHEMICAL SYMBOL FOR COPPER ANTIMONIATE  
     = crocus of copper, crocus veneris, lapis haematites  
     → 2640 female sign  
     → 2641 earth  
 1F726 ALCHEMICAL SYMBOL FOR SALT OF COPPER ANTIMONIATE  
     → 2640 female sign  
     → 2641 earth  
     → 1F714 alchemical symbol for salt  
 1F727 ALCHEMICAL SYMBOL FOR SUBLIMATE OF SALT OF COPPER  
     → 2640 female sign  
     → 1F714 alchemical symbol for salt  
     → 1F739 alchemical symbol for sal-ammoniac  
 1F728 ALCHEMICAL SYMBOL FOR VERDIGRIS  
     = aes viride, copper subacetate  
     = early astronomical symbol for earth  
     → 2295 circled plus

**Symbols for tin and tin ore**

- 1F729 ALCHEMICAL SYMBOL FOR TIN ORE  
     → 2643 jupiter

**Symbols for lead and lead ore**

- 1F72A ALCHEMICAL SYMBOL FOR LEAD ORE  
     → 2644 saturn

1F72B

## Alchemical Symbols

1F764

**Symbols for antimony, antimony ore and derivatives;****regulus**

- 1F72B ♂ ALCHEMICAL SYMBOL FOR ANTIMONY ORE  
= stibnite  
→ 2641 ♂ earth  
1F72C ☀ ALCHEMICAL SYMBOL FOR SUBLIMATE OF ANTIMONY  
→ 2641 ♂ earth  
→ 1F739 ☉ alchemical symbol for sal-ammoniac  
1F72D ♂ ALCHEMICAL SYMBOL FOR SALT OF ANTIMONY  
= cinnabar  
→ 2641 ♂ earth  
→ 1F714 ☸ alchemical symbol for salt  
1F72E ☀ ALCHEMICAL SYMBOL FOR SUBLIMATE OF SALT OF ANTIMONY  
→ 2641 ♂ earth  
→ 1F714 ☸ alchemical symbol for salt  
→ 1F739 ☉ alchemical symbol for sal-ammoniac  
1F72F ♂ ALCHEMICAL SYMBOL FOR VINEGAR OF ANTIMONY  
→ 2641 ♂ earth  
→ 1F739 ☉ alchemical symbol for sal-ammoniac  
1F730 ☀ ALCHEMICAL SYMBOL FOR REGULUS OF ANTIMONY  
= antimony metal  
1F731 ♂ ALCHEMICAL SYMBOL FOR REGULUS OF ANTIMONY-2  
→ 2641 ♂ earth  
1F732 ☀ ALCHEMICAL SYMBOL FOR REGULUS  
1F733 ☀ ALCHEMICAL SYMBOL FOR REGULUS-2  
1F734 ☀ ALCHEMICAL SYMBOL FOR REGULUS-3  
1F735 ☀ ALCHEMICAL SYMBOL FOR REGULUS-4

**Symbols for other substances**

- 1F736 ☀ ALCHEMICAL SYMBOL FOR ALKALI  
= sal alkali  
1F737 ☀ ALCHEMICAL SYMBOL FOR ALKALI-2  
1F738 ☀ ALCHEMICAL SYMBOL FOR MARCASITE  
= iron pyrite, iron sulfide  
1F739 ☉ ALCHEMICAL SYMBOL FOR SAL-AMMONIAC  
= ammonium chloride  
→ 002A \* asterisk  
→ 26B9 \* sextile  
→ 2733 \* eight spoked asterisk  
1F73A ☀ ALCHEMICAL SYMBOL FOR ARSENIC  
1F73B ♂ ALCHEMICAL SYMBOL FOR REALGAR  
= arsenic sulfide  
1F73C ☀ ALCHEMICAL SYMBOL FOR REALGAR-2  
= arsenic sulfide  
1F73D ☀ ALCHEMICAL SYMBOL FOR AURIPIGMENT  
= orpiment  
= arsenic trisulfide  
1F73E ☀ ALCHEMICAL SYMBOL FOR BISMUTH ORE  
= tinglass  
→ 2646 ☽ neptune  
1F73F ☀ ALCHEMICAL SYMBOL FOR TARTAR  
= impure potassium tartrate  
1F740 ☀ ALCHEMICAL SYMBOL FOR TARTAR-2  
= impure potassium tartrate

- 1F741 ☀ ALCHEMICAL SYMBOL FOR QUICK LIME  
= calx viva  
= calcium oxide

- 1F742 ☀ ALCHEMICAL SYMBOL FOR BORAX  
1F743 ☀ ALCHEMICAL SYMBOL FOR BORAX-2  
1F744 ☀ ALCHEMICAL SYMBOL FOR BORAX-3  
1F745 ☀ ALCHEMICAL SYMBOL FOR ALUM  
1F746 ☀ ALCHEMICAL SYMBOL FOR OIL  
1F747 ☀ ALCHEMICAL SYMBOL FOR SPIRIT  
1F748 ☀ ALCHEMICAL SYMBOL FOR TINCTURE  
1F749 ☀ ALCHEMICAL SYMBOL FOR GUM  
1F74A ☀ ALCHEMICAL SYMBOL FOR WAX  
= cera  
1F74B ☀ ALCHEMICAL SYMBOL FOR POWDER  
= pulvis  
1F74C ☀ ALCHEMICAL SYMBOL FOR CALX  
= calcinare  
= oxide residue, calcium oxide  
1F74D ☀ ALCHEMICAL SYMBOL FOR TUTTY  
= tutia, crude zinc oxide sublimate  
= aes viride  
1F74E ☀ ALCHEMICAL SYMBOL FOR CAPUT MORTUUM  
= worthless residue of sublimation or distillation  
1F74F ☉ ALCHEMICAL SYMBOL FOR SCEPTER OF JOVE  
1F750 ☀ ALCHEMICAL SYMBOL FOR CADUCEUS  
→ 2624 ☠ caduceus  
1F751 ☀ ALCHEMICAL SYMBOL FOR TRIDENT  
1F752 ☀ ALCHEMICAL SYMBOL FOR STARRED TRIDENT  
1F753 ☀ ALCHEMICAL SYMBOL FOR LODESTONE  
= magnes  
1F754 ☀ ALCHEMICAL SYMBOL FOR SOAP  
→ 25CA ☀ lozenge  
1F755 ☀ ALCHEMICAL SYMBOL FOR URINE  
→ 22A1 ☀ squared dot operator  
1F756 ☀ ALCHEMICAL SYMBOL FOR HORSE DUNG  
= firmit equinus  
1F757 ☀ ALCHEMICAL SYMBOL FOR ASHES  
= cineres  
1F758 ☀ ALCHEMICAL SYMBOL FOR POT ASHES  
= cineres clavellati, alumen  
1F759 ☀ ALCHEMICAL SYMBOL FOR BRICK  
1F75A ☀ ALCHEMICAL SYMBOL FOR POWDERED BRICK  
= later cibratus, farina laterum  
1F75B ☀ ALCHEMICAL SYMBOL FOR AMALGAM  
1F75C ☀ ALCHEMICAL SYMBOL FOR STRATUM SUPER STRATUM  
1F75D ☀ ALCHEMICAL SYMBOL FOR STRATUM SUPER STRATUM-2

**Processes symbols**

- 1F75E ☀ ALCHEMICAL SYMBOL FOR SUBLIMATION  
→ 260A ☀ ascending node  
1F75F ☀ ALCHEMICAL SYMBOL FOR PRECIPITATE  
1F760 ☀ ALCHEMICAL SYMBOL FOR DISTILL  
= sublimate  
1F761 ☀ ALCHEMICAL SYMBOL FOR DISSOLVE  
1F762 ☀ ALCHEMICAL SYMBOL FOR DISSOLVE-2  
= water, aqua  
1F763 ☀ ALCHEMICAL SYMBOL FOR PURIFY  
→ 260B ☀ descending node  
1F764 ☀ ALCHEMICAL SYMBOL FOR PUTREFACTION

1F765

## Alchemical Symbols

1F773

**Apparatuses symbols**

- 1F765 ⚜ ALCHEMICAL SYMBOL FOR CRUCIBLE  
= tigellum  
→ 1F70A ✕ alchemical symbol for vinegar
- 1F766 ⚝ ALCHEMICAL SYMBOL FOR CRUCIBLE-2
- 1F767 ⚞ ALCHEMICAL SYMBOL FOR CRUCIBLE-3
- 1F768 ⚟ ALCHEMICAL SYMBOL FOR CRUCIBLE-4
- 1F769 ⚛ ALCHEMICAL SYMBOL FOR CRUCIBLE-5
- 1F76A ⚜ ALCHEMICAL SYMBOL FOR ALEMBIC
- 1F76B ⚘ ALCHEMICAL SYMBOL FOR BATH OF MARY  
= balneum mariae
- 1F76C ⚙ ALCHEMICAL SYMBOL FOR BATH OF VAPORS  
= balneum vaporis
- 1F76D ⚤ ALCHEMICAL SYMBOL FOR RETORT

**Time**

- 1F76E ⚑ ALCHEMICAL SYMBOL FOR HOUR  
→ 231B ☰ hourglass
- 1F76F ⚒ ALCHEMICAL SYMBOL FOR NIGHT
- 1F770 ⚓ ALCHEMICAL SYMBOL FOR DAY-NIGHT
- 1F771 ⚔ ALCHEMICAL SYMBOL FOR MONTH  
= mensis  
→ 22A0 ✕ squared times

**Measures**

- 1F772 ⚗ ALCHEMICAL SYMBOL FOR HALF DRAM  
= drachma semis
- 1F773 ⚖ ALCHEMICAL SYMBOL FOR HALF OUNCE  
= uncia semis

2B740

CJK Unified Ideographs Extension D

2B78F

2B740 一 1.2 JH-IB0607	五	2B754 十 24.7 JH-IB0646	堯	2B768 女 38.6 GFHZB005	媯	2B77C 手 64.6 TB-7328	𢃠
2B741 一 1.5 JH-JTAD0F	弣	2B755 厂 27.5 JH-IB0911	辰	2B769 女 38.7 GFHZB006	嫗	2B77D 手 64.9 UTC00863	𢃡
2B742 一 1.6 JH-IB0687	𠂔	2B756 厂 27.8 JH-JTC064	𠂔	2B76A 女 38.7 GFHZB007	嫗	2B77E 手 64.10 TB-7335	𢃢
2B743 一 1.13 JH-JTADA4	爾	2B757 厂 27.8 JH-IB0627	厚	2B76B 女 38.7 GFHZB008	嫗	2B77F 手 64.11 TB-733D	𢃤
2B744 丶 4.2 JH-JTAD23	久	2B758 口 30.3.0 TB-733C	咊	2B76C 女 38.9 GFHZB009	嫗	2B780 手 64.15 JH-JTB23A	𢃦
2B745 丶 8.4 JH-JTAD2A	夾	2B759 口 30.6 TB-7322	𡇧	2B76D 女 38.11 GFHZB010	嫗	2B781 方 70.7 JH-IB0704	族
2B746 人 9.3 JH-004890	今	2B75A 口 30.11 UTC00861	嚙	2B76E 女 38.12 GFHZB011	嫗	2B782 方 70.9 JH-JTB275	族
2B747 人 9.6 JH-IB0630	𠂔	2B75B 口 30.12 TB-732B	𣎵	2B76F 子 39.12 JH-079980	學	2B783 日 72.5 UTC00864	旺
2B748 人 9.6 GFHZB001	倅	2B75C 口 30.14 UTC00862	囉	2B770 𠂔 40.11 JH-IB1674	竈	2B784 日 72.5 JH-IB0706	昭
2B749 人 9.8 JH-IB0611	倉	2B75D 口 30.15 JH-IB0637	嚴	2B771 𠂔 40.12 JH-JTB039	寧	2B785 日 72.6 JH-IB0707	晉
2B74A 人 9.9 JH-JTAD7A	傳	2B75E 口 30.19 TB-732C	囉	2B772 戠 44.3 JH-JTB054	尻	2B786 月 74.6 GFHZB013	賜
2B74B 人 9.11 GFHZB002	儻	2B75F 土 32.9 JH-JTAF6A	壇	2B773 山 46.3 JH-JTB060	峩	2B787 月 74.8 JH-JTB8DA	睆
2B74C 儿 10.7 JH-JTADD5	奐	2B760 土 32.11 JH-JTAF7A	壇	2B774 山 46.6 GIDC225	嶠	2B788 月 74.8 JH-JTB8DB	𦥑
2B74D 冂 13.7 JH-IB0662	岡	2B761 土 32.13 JH-JTAF85	墮	2B775 山 46.7 GFHZB012	嶠	2B789 木 75.4 JH-JTB2FC	枟
2B74E 宀 15.7 TB-733E	滉	2B762 夕 36.3 JH-JTAFB9	舛	2B776 宀 53.8 JH-IB1783	座	2B78A 木 75.6 JH-JTB314	桺
2B74F 宀 15.9 TB-7323	滻	2B763 夕 36.4 JH-JTAFBC	舛	2B777 宀 53.8 UTC00856	座	2B78B 木 75.6 JH-JTB313	栱
2B750 刀 18.7 JH-IB0622	前	2B764 大 37.7 JH-JTAFC9	叒	2B778 彑 59.6 JH-IB0679	庀	2B78C 木 75.10 UTC00865	榦
2B751 力 19.11 JH-JTAE48	勢	2B765 大 37.13 UTC00857	𩷶	2B779 彳 60.8 JH-IB0680	御	2B78D 木 75.10 JH-IB2137	榦
2B752 十 24.5 JH-JTAE65	早	2B766 女 38.4 GFHZB003	𡇪	2B77A 心 61.4 JH-IB0681	念	2B78E 木 75.11 JH-JTB37D	檀
2B753 十 24.6 UTC00860	棲	2B767 女 38.6 GFHZB004	𡇪	2B77B 手 64.5 TB-7324	𢃠	2B78F 木 75.11 JH-IB2148	槁

2B790

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2B7DF

2B790 木 75.11 JH-JTC0EB	2B7A4 犬 94.5 GFHZB021	2B7B8 禾 115.6 GFHZB027	2B7CC 臼 134.6 JH-337260
2B791 木 75.12 JH-IB0716	2B7A5 犬 94.8 JH-IB0750	2B7B9 禾 115.8 JH-IB0256	2B7CD 艸 140.5 JH-JTB94A
2B792 木 75.13 JH-JTB3A8	2B7A6 玉 96.4 GFHZB022	2B7BA 穴 116.2 JH-JTB76C	2B7CE 艸 140.5 JH-JTB945
2B793 木 75.14 JH-JTB3B5	2B7A7 玉 96.6 GFHZB023	2B7BB 穴 116.17 JH-JTB787	2B7CF 艸 140.6 JH-IB0862
2B794 止 77.9 JH-JTB3E2	2B7A8 玉 96.8 GFHZB024	2B7BC 立 117.2 TB-7333	2B7D0 艸 140.7 JH-JTB989
2B795 歹 78.11 UTC00866	2B7A9 玉 96.10 GFHZB025	2B7BD 立 117.6 TB-7326	2B7D1 艸 140.7 JH-JTB98A
2B796 氏 83.1 JH-IB0728	2B7AA 玉 96.11 GFHZB026	2B7BE 竹 118.9 UTC00858	2B7D2 艸 140.7 GFHZB033
2B797 氏 83.2 JH-IB0729	2B7AB 甘 99.4 JH-IB0757	2B7BF 竹 118.9 JH-JTB7C9	2B7D3 艸 140.9 JH-JTB9D9 UTC00871
2B798 水 85.7 GFHZB014	2B7AC 田 102.6 JH-JTB05	2B7C0 竹 118.9 JH-IB2651	2B7D4 艸 140.9 JH-IB0863
2B799 水 85.8 JH-JTB43A	2B7AD 彑 104.5 UTC00868	2B7C1 米 119.11 JH-JTC0F4	2B7D5 艸 140.10 JH-JTB01
2B79A 水 85.10 JH-JTB4AC	2B7AE 彑 104.10 TB-733B	2B7C2 糸 120.9 JH-JTB83B	2B7D6 艸 140.11 GFHZB034
2B79B 水 85.10 GFHZB015	2B7AF 臼 106.5 JH-JTB624	2B7C3 糸 120.12 TB-7329	2B7D7 艸 140.12 JH-JTB455
2B79C 水 85.10 GFHZB016	2B7B0 皿 108.3 JH-JTB634 UTC00869	2B7C4 糸 120.6 GFHZB028	2B7D8 虫 142.14 TB-7336
2B79D 水 85.12 JH-JTB4BC	2B7B1 皿 108.4 JH-JTB635	2B7C5 糸 120.7 GFHZB029	2B7D9 彳 144.9 JH-JTB4FD
2B79E 水 85.13 GFHZB017	2B7B2 皿 108.8 JH-JTB63B	2B7C6 糸 120.8 GFHZB030	2B7DA 彳 144.11 JH-IB0883
2B79F 水 85.16 JH-JTB4EA	2B7B3 目 109.5 JH-IB0762	2B7C7 糸 120.9 GFHZB031	2B7DB 衣 145.7 JH-IB0884
2B7A0 火 86.6 JH-JTB515	2B7B4 目 109.6 TB-732E	2B7C8 糸 120.14 GFHZB032	2B7DC 丶 146.6 JH-JTC0FC
2B7A1 火 86.7 GFHZB018	2B7B5 示 113.6 JH-JTB6D8	2B7C9 羊 123.3 JH-IB0853	2B7DD 見 147.16 JH-JTB42
2B7A2 火 86.10 GFHZB019	2B7B6 示 113.7 JH-JTB6E3	2B7CA 耳 128.2 UTC00870	2B7DE 言 149.15 JH-IB0901
2B7A3 牛 93.5 GFHZB020	2B7B7 示 113.12 JH-JTB71A	2B7CB 肉 130.10 TB-732D	2B7DF 讠 149.4 GFHZB035

2B7E0

## CJK Unified Ideographs Extension D

2B81E

2B7E0 辤 149.5 GFHZB036	2B7F4 鉅 167.3 GFHZB045	2B808 颶 182.4 GFHZB064	2B81C 齒星 211.9 TB-7330
2B7E1 諠 149.8 GFHZB037	2B7F5 鋒 167.4 GFHZB046	2B809 颶 182.5 GFHZB065	2B81D 齒 211.8 GFHZB074
2B7E2 諠 149.8 GFHZB038	2B7F6 鋒 167.4 GFHZB047	2B80A 馬 187.0 JH-JTBF04	2B81E 鼴 213.12 JH-JTC0B0
2B7E3 諠 149.10 GFHZB039	2B7F7 鋒 167.5 GFHZB048	2B80B 馬 187.5 GFHZB066	
2B7E4 蹠 157.12 TB-7325	2B7F8 鋒 167.5 GFHZB049	2B80C 馬 187.11 GFHZB067	
2B7E5 轹 159.5 GIDC606	2B7F9 鋒 167.6 GFHZB050	2B80D 馬 187.13 GFHZB068	
2B7E6 鎮 159.10 GFHZB040	2B7FA 鋒 167.6 GFHZB052	2B80E 魚 195.10 UTC00874	
2B7E7 遂 159.13 GFHZB041	2B7FB 鋒 167.6 GFHZB054	2B80F 魚 195.13 TB-7339	
2B7E8 辽 162.2 TB-733A	2B7FC 鋒 167.6 GFHZB055	2B810 鬼 194.4 GFHZB069	
2B7E9 遠 162.9 JH-JTBCD1	2B7FD 鋒 167.7 GFHZB053	2B811 魚 195.5 GFHZB070	
2B7EA 遜 162.9 JH-JTBCD3	2B7FE 鋒 167.8 GFHZB056	2B812 魚 195.9 GFHZB071	
2B7EB 邊 162.13 JH-444550	2B7FF 鋒 167.9 GFHZB057	2B813 魚 195.11 GFHZB072	
2B7EC 郿 163.5 GFHZB042	2B800 鋒 167.9 GFHZB059	2B814 鳥 196.0 JH-JTC043	
2B7ED 郿 163.8 GFHZB043	2B801 鋒 167.10 GFHZB058	2B815 鳥 196.5 JH-IB1171	
2B7EE 郿 163.9 GIDC623	2B802 鋒 167.14 GFHZB060	2B816 鳥 196.11 JH-JTC061S	
2B7EF 醞 164.6 TB-7322	2B803 𠂇 169.5 GFHZB061	2B817 鸟 196.4 GFHZB073	
2B7F0 重 166.2 JH-IB1022	2B804 𠂇 170.9 JH-IB0278	2B818 齒 197.8 UTC00875	
2B7F1 鎔 167.6 JH-JTBDE1 UTC00872	2B805 𠂇 178.6 TB-7331	2B819 鼠 208.5 JH-JTC097	
2B7F2 鎔 167.10 JH-JTBDE1 UTC00872	2B806 𠂇 178.9 GFHZB062	2B81A 齒 211.4 TB-7337	
2B7F3 鎔 167.2 GFHZB044	2B807 𠂇 181.4 GFHZB063	2B81B 齒 211.5 UTC00859	