ISO/IEC JTC1/SC2/WG2
Coded Character Set
Secretariat: Japan (JISC)

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Comments were received from Canada, China, France, Germany, Hungary, Ireland, Romania, United Kingdom, and USA. The following document is the draft disposition of those comments. The disposition is organized per country.

> Note – The full content of the ballot comments have been included in this document to facilitate the reading. The dispositions are inserted in between these comments and are marked in **<u>Underlined Bold Serif text</u>**, *with explanatory text in italicized serif*.

In addition, this draft contains at the end charts for the blocks that are modified according to these proposed dispositions, either through addition or glyph changes. Pure name changes are not included. Characters originally proposed in Pdam1.2 are highlighted in yellow, newly proposed are highlighted in yellow/blue and glyphs changes are highlighted in blue.

The total characters count stands at **1979** (**1846** per resolution M58.23 **-2** per editor's note in the amendment **+135** per this draft disposition). From the charts used for Pdam1.2, there are 147 additions, 12 deletions, and 25 glyph changes.

Canada: Positive with comment

Technical comment

T1. Old Hungarian name:
Canada will have no objection to changing the name (and the corresponding names of the characters in the repertoire) of currently named script 'Old Hungarian' to 'Rovas', to address one of the main objections expressed by the Hungarian national body expert in the feedback document http://www.dkuug.dk/jtc1/sc2/wg2/docs/n4120.pdf on the JTC1/SC2/WG2 ad hoc report in http://www.dkuug.dk/jtc1/sc2/wg2/docs/n4110.pdf on the topic in 2011 Helsinki WG2 meeting.

Noted
See also comments from China (T1), France (T1), Hungary (T1 and T2), and Romania.
See disposition of comment T1 from Hungary.

China: Positive with comment

Technical comment

T1. Old Hungarian:
China request JTC1/SC2 NBs to reach consensuses on all issues of every amendment acceptable solution on Old Hungarian before it becomes a part of IS.

Noted
See also comments from Canada (T1), France (T1), Hungary, and Romania.
See disposition of comments T1 and T2 from Hungary. It is clear that unless consensus is reached on an acceptable repertoire for Hungarian which can be augmented as typically done for other scripts, it is unlikely that the repertoire will be included in this amendment when published.

France: Positive with comment

Technical comment

T1. Old Hungarian name:
"Old Hungarian" is a denomination that may cause confusion and lack consistency

1/ Possible sources of confusion
- "Old Hungarian" also describes a stage in the history of Hungarian that is essentially attested by texts written in the Latin script

- "Old Hungarian script" was natively used to write Hungarian well into the post-renaissance period in some communities, thus relating to stages of the language by far post-dating Old Hungarian

- "Old Hungarian" is used in print even today in instances that symbolically aim at highlighting some elements of continuity in Hungarian history. Nevertheless the language used in such instances is Modern Hungarian and there should be no confusion on that point.

2/ Lack of consistency
The document provides code points for uppercase and lowercase letters, then rightfully underlines that "The use of uppercase letters is a modern innovation". This document thereby seeks to offer solutions helping modern usage of this script. There is some contradiction to recognizing evolutions of a script in its modern usage and still call it "Old"

Proposed change by France:
Change the denomination of this script to "Hungarian rovas" or simply "Rovas", in the same way that other scripts in 10646 are named with no reference to the language it is/was used for ("ogham, deseret, devanagari…)"

Propose non acceptance
See also T1 comments from Canada, China, France, Hungary, and Romania.
See disposition of comment T1 from Hungary.

Germany: Negative
The vote is turned into YES if the requests in comments T1 and T4 are accepted.

Technical comments

T1. Naming of the "Intonation marks for Lithuanian dialectology":
The names of the following characters do not describe the characters as shown in the code charts and the original proposal (WG2 N4070 " Second revised proposal to add characters used in Lithuanian dialectology"):

2B4E SHORT NORTH EAST ARROW
2B4F SHORT SOUTH EAST ARROW
2B5A NORTH EAST ARROW WITH HOOKED HEAD
2B5B SOUTH EAST ARROW WITH HOOKED TAIL
2B5C NORTH EAST ARROW WITH HORIZONTAL TAIL
2B5D SOUTH EAST ARROW WITH HORIZONTAL TAIL

The inclination of the arrows is in no case even near to 45°, as the terms "NORTH EAST" and "SOUTH EAST" unambiguously denote, neither in the code chart nor in the original proposal. Thus, the names are plain wrong.

Proposed change by Germany:
Germany repeats its request already expressed in WG2 N4085 to name the character correctly as follows:

U+2B4E SHORT SLANTED NORTH ARROW
U+2B4F SHORT BACKSLANTED SOUTH ARROW
U+2B5A SLANTED NORTH ARROW WITH HOOKED HEAD
U+2B5B BACKSLANTED SOUTH ARROW WITH HOOKED TAIL
U+2B5C SLANTED NORTH ARROW WITH HORIZONTAL TAIL
U+2B5D BACKSLANTED SOUTH ARROW WITH HORIZONTAL TAIL

Germany considers its request accepted also if the term "NORTH EAST" is replaced by "NORTH NORTH EAST" or "ONE OCLOCK", and the term "SOUTH EAST" is replaced by "SOUTH SOUTH EAST" or "FIVE OCLOCK", instead of "SLANTED" resp. "BACKSLANTED".

Propose acceptance

T2. Integration of the accepted proposal WG2 N4078 " Revised Proposal to enable the use of Combining Triple Diacritics in Plain Text"
WG2 N4078 provides a way to handle diacritics spanning over three or more characters by using joining parts combined with each of the single base letters. For diacritics below, new characters were accepted; for diacritics above, existing characters are devised. While the appropriate annotations are given for the new characters (summarized for U+FE2B), they are missing for the existing ones.

Proposed change by Germany:

Following the wording of the annotation for U+FE2B, add the following annotation to U+FE26:
"• Used with combining left and right half ligature above to extend above more than two characters.".

Propose acceptance in principle
See also comment T4 from Ireland.
It is not exactly true that there is no annotation for the existing ones. However it is done differently, using an annotation preceding the 3 characters (FE24..FE26). The annotation system will be modified to be consistent among those spanning combining marks, possibly including the new ones proposed by Ireland.
Note that this is editorial, not technical.

T3. Placement of Wingdings characters
Germany has not objected to encode the Wingdings symbols when discussing this issue in Helsinki in principle, but has requested that only such symbols will get into the BMP for which actual use is shown.

Proposed change by Germany:
As a practical solution, Germany requests now that all arrows which show special head shaping or decorative elements will be moved to the SMP into the block "Supplemental Arrows-C, which has enough space. Thus:

Move 2B60...2BAE to 1F880...1F8CE,

in exchange move 1F880...18F89 to 2B60...2BF9 as this series contains keyboard symbols which are in use.

Move 2BD0...2BE7 to 1F8D0...1F8E7.

Also, move 2BBE...2BBF into the "Ornament Symbols" block 1F650...1F67F, to have the "heavy punctuation marks" together.

Any rearrangement within the affected blocks following these movements is accepted.

Propose partial acceptance
See also comments T1and T10 from Ireland.
There is no benefit anymore at having characters in the BMP versus the SMP. Characters should be grouped instead according to similarities. On that aspect, it is reasonable to group keyboard related symbols together. However, some of the characters in question (1F880..1F889) are considered for removal as already encoded. This comment was consolidated with the request from Ireland and the following was accepted:
- *Move 2BA3..2BAA to the 1F8xx block*
- *Move 2BD0..2BE7 to the 1F8xx block*

The resulting layout for the 2Bxx block leaves many holes available for additional keyboard related characters. See disposition of comment T1 from Ireland for further details.

T4. Removing of Wingdings characters which do not comply with the Unicode character/glyph model
As part of the Wingdings addition, the following character series are included:

U+1F670 LIGATURE ET
U+1F671 BOLD LIGATURE ET
U+1F672 SANS-SERIF AMPERSAND
U+1F673 BOLD SANS-SERIF AMPERSAND
U+1F674 BOLD AMPERSAND
U+1F678 BOLD INTERROBANG
U+1F679 SANS SERIF INTERROBANG
U+1F67A BOLD SANS-SERIF INTERROBANG

Regarding the interrobangs, the original Wingdings proposal WG2 N4115 also shows a "serifed-font-style" interrobang (ID 2093) which is considered to be unified with U+203D INTERROBANG.

This is glyph encoding. Even if it is agreed that Wingding characters are to be included into Unicode without proof of actual use (but only based on availability on a large part of present-day computing equipment), there is no argument that roundtrip encoding between Unicode (ISO/IEC 10646) and the "existing standard" Wingdings is necessary (which would be the only reason to accept glyph encoding). Also, unifying just one glyph (the "serifedfont- style" one) with the existing character is arbitrary.

In fact, all these characters already are perfectly represented in Unicode (by U+0026 AMPERSAND and U+203D INTERROBANG), and U+1F671 is perfectly represented in Unicode when U+1F670 is accepted. The exact glyph is to be selected by the rendering system (font etc.), according to the Unicode character/glyph model (as it has to be done even with the PDAM 1.2 character set, as a "serifed-font-style" interrobang glyph can only be gained by selecting an appropriate font)..

Proposed change by Germany:
Germany requests the removal of the listed characters except U+1F670.

To offer a compromise, Germany considers this comment accepted also if the following is done, based on the fact that the specific appearance of the "sans-serif ampersand" may constitute a character identity rather than a glyph variation, and based on the fact that there already are "heavy" variants of punctuation marks in the Dingbats block:

Only U+1F678 and U+1F679 are removed. The other characters are renamed as follows:

U+1F670 SCRIPT LIGATURE ET
U+1F671 HEAVY SCRIPT LIGATURE ET SYMBOL
U+1F672 LIGATURE OPEN ET (or similar)
U+1F673 HEAVY LIGATURE OPEN ET (or similar) SYMBOL
U+1F674 HEAVY AMPERSAND SYMBOL
U+1F67A HEAVY INTERROBANG SYMBOL

following by any rearrangement of the code points (including, but not requested here, moving of 1F670/1F672/1F675 to the Supplemental Punctuation block in the BMP).

Propose acceptance in principle
See also comments T1and T10 from Ireland.
Accepting the compromise of renaming the controversial characters resolves the issue for all but the 'interrobang' characters. The problems remain for the serif versus sans-serif distinctions which is specific to the Wingdings set and did not exist in Dingbats. The argument for preserving these 4 variants was to maintain a source separation rule for Wingdings which would be destroyed if those 4 interrobang characters are not encoded separately. The compromise proposed by Germany preserves dis-unification for one serif character (Wingdings2-093), one sans-serif character (wingdings2-096) but unifies the other two. It would have been cleaner to dis-unify either the two sans-serifs or the two serifs, but not a mix. It should also be noted that none of the Wingdings symbols shown here enlarged are good representation of the interrobang symbol:

Glyph ID	Wingdings 2-093	Wingdings 2-094	Wingdings 2-095	Wingdings 2-096
Proposed UCS	203D	1F678	1F679	1F67A
Glyph	‽	‽	‽	‽

Following are two glyph representations of the character 203D INTERROBANG in commonly used fonts in Windows (one serif, the other sans-serifs):

MS Mincho	Segoe UI
‽	‽

Based on this, we could either encode the four Wingdings interrobang variants separately from the original interrobang punctuation. This would preserve source separation for the Wingdings set. The preferred alternative which is a variant of the compromise from Germany is to propose a new character for 1F678 (instead of 1F67A) and not encode the sans-serifs variants. This is deemed acceptable because perfect round trip mapping between UCS and Wingdings is not required.

This would result in the removal of two characters (1F679 and 1F67A) from the amendment. The new names and locations are as follows (after taking into account comment T7 from Ireland):
U+1F670 SCRIPT LIGATURE ET ORNAMENT
U+1F671 HEAVY SCRIPT LIGATURE ET ORNAMENT
U+1F672 LIGATURE OPEN ET ORNAMENT
U+1F673 HEAVY LIGATURE OPEN ET ORNAMENT
U+1F674 HEAVY AMPERSAND ORNAMENT
U+1F679 HEAVY INTERROBANG ORNAMENT
Delta count (characters added from Pdam1.2: -2)

T5. Completing the set of "Sans-Serif heavy double quotation mark ornaments"
As part of the Wingdings addition, the following character series is included:

U+1F676 SANS-SERIF HEAVY DOUBLE TURNED COMMA QUOTATION MARK ORNAMENT
U+1F677 SANS-SERIF HEAVY DOUBLE COMMA QUOTATION MARK ORNAMENT

This series is only usable for American typography and lacks the opening quotation mark which is needed for German typography done in the same style.

Proposed change by Germany:
Germany requests the addition of the character completing this series:

U+1F67x SANS-SERIF LOW HEAVY DOUBLE COMMA QUOTATION MARK ORNAMENT

(a formal proposal will be submitted in time).

For formal reasons only, Germany notes that this comment is accepted also if U+1F676/1F677 are withdrawn from PDAM 1.2 for any reason.

Propose acceptance in principle
This is also part of the addition request in the comment T7 from Ireland. Character name is slightly modified as follows with proposed location at 1F678:

U+1F678 SANS-SERIF HEAVY LOW DOUBLE COMMA QUOTATION MARK ORNAMENT

Delta count (characters added from Pdam1.2: -2+1=-1)

T6. Request to add the characters proposed in WG2 N4068 to PDAM1.3

WG2 N4068 was submitted to SC2/WG2 as a liaison proposal by SC35, requesting the encoding of missing Latin small capital and modifier letters. This proposal was on the agenda of the JTC1/SC2/WG2 June 6-10, 2011, in Helsinki. In fact, at that meeting, it was not discussed due to lack of time.

Germany already had requested the addition in WG2 N4085, section 3. As this German request persists, the text of that section is repeated here, with added text shown in italics.

The German NB welcomes this proposal, especially (besides the reasons listed in the proposal) as it will save the time to discuss and decide any single character whenever new evidence is found.

In discussions on the Unicode mailing list and forum, concerns were issued that having the sets of modifier letters derived from the basic Latin letters (A...Z) complete will invite users to "misuse" them, by using them to obtain a different style instead denoting of a different semantic (like using the small capital letters to get smallcaps). However, this already can be done with the current almost complete sets, and has to be taken into account by search engines etc. anyway (and imposes no real problem as all these characters have compatibility equivalences to the respective base letters). It also should be noted that quasistandards like the Adobe Glyph List 2.0 already have encoded such complete sets (using the PUA), thus indicating style by character selection rather by markup is already an existing practice. (Such practice may be considered "bad", but standards are there for serving their users rather than for educating them.)

In addition, concerns were issued that encoding the modifier forms of the basic Latin letters (A...Z) will encourage proposals for more letters. The addition of the complete set of basic Latin squared letters A...Z in Unicode 6.0 (like the encircled letters long ago) has proven that such is not an automatic consequence.

Moreover, the German NB is concerned about the fact that SC35/WG2, which identifies characters in keyboard standards by Unicode values only recently, has partially to deviate from this in a recent standard draft (ISO/IEC 9995-9 CD), by the plain fact that specifying a method to enter raised, lowered, and small capital forms of the basic Latin letters A...Z/a...z (as part of language orthographies, not as style) results in a mapping to a character set which cannot completely enumerated by Unicode. Even if the PUA positions used in that draft "are only for internal reference", there is the danger that they will in fact be used by referencing to an international standard, thus weakening the position of Unicode for a larger audience. This can be avoided when SC2/WG2 is prepared to cooperate with SC25/WG2 by accepting the characters proposed in N4068 in time.

Thus, the German NB requests the addition of the characters proposed in N4068 now to PDAM 1.3 of ISO/IEC 10646.

Technical note: The code range of the block "Phonetic Extensions Supplement B" referred to in N4068 is now part of the block "Latin Extended-E". However, the proposed code points for the characters there are still appropriate.

<u>Propose non acceptance</u>
Because this has been controversial, it does not seem appropriate to add it to the ballot content at this stage but should be discussed and negotiated separately from this disposition at the next WG2 meeting.

Hungary: Negative

Technical comments

T1. Clause 31, Annex A.1: Old Hungarian name:

The term Old Hungarian is incorrect. The correct term is "Szekely-Hungarian Rovas". The term "Old Hungarian" is used for a completely different script, namely the medieval version of the Hungarian Latin-based orthography. See ISO/IEC JTC1/Sc2/WG2 N4120, Section 2.1 for the detailed reasoning (http://std.dkuug.dk/JTC1/sc2/wg2/docs/n4120.pdf)

Proposed change by Hungary:

Change the term "Old Hungarian" to "Szekely-Hungarian Rovas"

Propose non acceptance
See also comments T1 from Canada, China, France, Hungary, and Romania.
The naming of that block has proven controversial, and from further discussion among experts it does not seem that consensus can be reached without a face to face meeting with all interested experts, including representative for the Hungary MB.
The content of the amendment will be left unchanged, still using 'Old Hungarian'. However an Editor's note will be added to the text mentioning the following:

> *The terminology 'Old Hungarian' is only tentative. Other terms for naming the repertoire and the characters within have been suggested:*
> - *Szekely-Hungarian Rovas*
> - *Rovas*
> - *Rovasiras*
> - *Hungarian Runic*
>
> *Interested experts are invited to come to a consensus either through the ballot process or at the disposition of comment taking place at the next WG2 meeting, February 2012,Mountain View, CA, USA. In absence of consensus, the encoding of this repertoire into ISO/IEC 10646 may be postponed.*

T2. Annex G: Old Hungarian character set:

The proposed character set for the Szekely-Hungarian Rovas (with the incorrect name "Old Hungarian") is incorrect. Reasons:

1. The character repertoire is based on the outdated results of the palaeography in the early 20th century and some unscientific and popular web sites, on which information is unreliable and incorrect in many cases. Oppositely, the correct character repertoire must contain the contemporary and the historical Szekely-Hungarian Rovas characters, which are listed in the proposal of the Hungarian Standard Body; see ISO/IEC JTC1/SC2/WG2 N4007, Section 3.1, http://std.dkuug.dk/JTC1/sc2/wg2/docs/n4007.pdf

Proposed change by Hungary:

The "Old Hungarian" block is unacceptable and unimprovable; therefore it must be completely changed to the character repertoire in the proposal of the Hungarian Standard Body, see ISO/IEC JTC1/SC2/WG2 N4007, Section 3.1, http://std.dkuug.dk/JTC1/sc2/wg2/docs/n4007.pdf

Propose non acceptance
Saying that the current block is unacceptable and 'unimprovable'[sic] is an overstatement. Comparing the repertoires between the ballot text and the document N4007 shows that the ballot repertoire is a clean subset with the exception of 10C9D OLD HUNGARIAN CAPITAL LETTER NIKOLSBURG OE and 10C9E OLD HUNGARIAN SMALL LETTER NIKOLSBURG OE. It would be more constructive to provide rationale for the 24 characters or so which are part of N4007 which were not added in the amendment text. This is the regular process

and could still be pursued by the Hungary MB. Furthermore, until the amendment is finalized the repertoire can be augmented and re-ordered.

2.   The term "Old Hungarian" is already used by Hungarian linguists for denoting the medieval version of the Hungarian Latin-based script, which is wildly different to the Szekely-Hungarian Rovas script (for instance, see Ch. 3 of N4120 (2011-07-05)). Therefore, using the term "Old Hungarian" for the Szekely-Hungarian Rovas is misleading. More details about the Old Hungarian script: http://wiki.rovas.info/index.php/Old_Hungarian_script

3.   The Szekely-Hungarian Rovas script has been developed ca. the end 8h c., in the Ancient Hungarian linguistic period (1st millennium BC – 896 AD), before the Old Hungarian linguistic period (896-1526). Consequently, using the name "Old Hungarian script" for an earlier script would be misleading.

4.   Using the expression "Old Hungarian" for denoting the Szekely-Hungarian Rovas has no tradition either in Hungarian culture or in the script history.

Propose noted
See disposition of comment T1.

Moreover, there are several arguments for the term "Szekely-Hungarian Rovas":

5.   The variety of traditional names for this script usually contains adjectives; the most frequent ones being "Szekely" and "Hungarian". Therefore, the widely accepted name "Szekely-Hungarian Rovas" correctly reflects the traditional naming. The Hungarian ethnic group Szekelys played a key role in preserving the tradition of Szekely-Hungarian Rovas and regard this script as key part of their identity.

6.   Throughout history, the term Rovas has been widely used, moreover having found common use in the Hungarian language today. Although the term "Rovas" is of Hungarian-origin, it has been widely used in numerous languages; see in the Ch. 4 of N4120 (2011-07-05).

7.   The Rovas using community organized the "Living Rovas" Conference in 2008, in Hungary, which was the largest ever Rovas user/researcher meeting. At this conference, after a detailed discussion, the attendance made the resolution that the English name of the script is "Szekely-Hungarian Rovas" – being the correct translation of the appropriate Hungarian term "székely-magyar rovás".

8.   The term "Rovas" is a category name; three related scripts belong to this script family, namely: Szekely-Hungarian Rovas, Carpathian Basin Rovas (see N4144, 2011-10-12), and Khazarian Rovas (see N4145, 2011-10-12). The close relation of Carpathian Basin Rovas to Szekely-Hungarian Rovas has been shown by linguist and Turkologist Gyula Németh in 1932. Moreover, according to the archaeologist-historian István Erdélyi, the Khazarian Rovas is related to Carpathian Basin Rovas and Szekely-Hungarian Rovas. More details about the Rovas script family: http://wiki.rovas.info/index.php/Rovas_Script_Family

Propose Noted
See disposition of comment T1.

9.   The research into the field of the Rovas scripts are mainly published in Hungarian and only little information is available in English. Consequently, the English databases are outdated in most cases. Especially, the results of the last 2-3 decades are missing from western literature as only a small portion of the Hungarian publications on this topic have been translated. The contributions of the Hungarian NB use and refer to the results of international and the Hungarian scholars.

10. The proposed character names are incorrect. These are based on few medieval relics. However, the characters of this script have well accepted names both in scientific and popular literature. The main reason for encoding the Szekely-Hungarian Rovas script is for present-day use, therefore, the contemporary character names of the letters has to be used in the standard. The archaic character names used in the N4110 resolution shows an outdated state of the Rovas-related paleography of the early 20th century. During that time, a Szekely-Hungarian Rovas relic, the so-called Nikolsburg Alphabet was the only significant Rovas relic. Based on this, only a static view of the Szekely-Hungarian Rovas scripts existed in the early 20th century. However, after exploring several archaeological finds in the 20th-21st centuries, several earlier Rovas relics where found, making possible further advances of Rovas script history.

Propose non acceptance

It should be noted that over 50% of the letter names are identical between N4107 and the amendment text under ballot. Of the rest, the difference is typically an additional 'E' on the ballot text, like 'LETTER EF' versus 'LETTER F'. The editor would appreciate constructive and detailed comments from the Hungary MB showing why the 'E' prefix is incorrect.

The document http://std.dkuug.dk/jtc1/sc2/wg2/docs/n4110.pdf showing the result of the Ad-hoc committee in Helsinki WG2 meeting provides more details on the current name rationale.

11. Another essential condition to be considered is the vital present-day use of the Szekely-Hungarian Rovas orthography. The user base of the Szekely-Hungarian Rovas is represented in every country in Europe where Hungarian populations exist and in the global Hungarian community as well. Currently, in every part of the Hungarian society including the state administration, the number of Szekely-Hungarian Rovas users is dynamically increasing. This strong and conscious user support is clearly manifested, as in the Hungarian NB professional and civil Rovas stakeholders officially support the three Rovas proposals – the Szekely-Hungarian Rovas (N4007), the Carpathian Basin Rovas (N4144), and the Khazarian Rovas (N4145).

Noted

T3. Clause 31, Annex A.1: Old Hungarian name:

The term Old Hungarian … [full duplicate of T1, see disposition of comment T1]

T4. Annex G: Old Hungarian character set:

The proposed character set … [partial duplicate of T2, see disposition of comment T2]

Ireland: Negative

Ireland disapproves the draft with the technical and editorial comments given below.
Acceptance of these comments and appropriate changes to the text will change our vote to approval. In the attached charts, characters proposed to be added to the PDAM are coloured in yellow, and characters whose names are proposed to be changed are coloured in blue.
Characters which have been proposed to be moved have "• was xxxx" in the names list indicating their code position in PDAM 1.2.
(Please refer to SC2 N4207 for charts, these are not duplicated in the dispositions of comments)

Technical comments

T1. Page 52, Row 2B0: Miscellaneous Symbols and Arrows.
a) Ireland recommends the removal of the following characters from this table (to be moved elsewhere):

2BA3, 2BA4, 2BA5, 2BA6, 2BA7, 2BA8, 2BA9, 2BAA
2BBE, 2BBF
2BC3, 2BC4, 2BCB, 2BCD
2BD0, 2BD1, 2BD2, 2BD3, 2BD4, 2BD5, 2BD6, 2BD7, 2BD8, 2BD9, 2BDA, 2BDB
2BE0, 2BE1, 2BE2, 2BE3, 2BE4, 2BE5, 2BE6, 2BE7, 2BE9, 2BEA, 2BEB, 2BEC, 2BED, 2BEE, 2BEF,
2BF0, 2BF1, 2BF2, 2BF3

Propose partial acceptance
See also comment T3 from Germany.
All characters are moved except for 2BC3, 2BC4, 2BCB, 2BC, and 2BE9..2BF2. This is to keep some room for keyboard related characters. This preserves the main point of this comment which was to remove most arrows that were not simple triangle-headed arrows.

b) Ireland recommends moving the following characters to this table:

1F800, 1F801, 1F802, 1F803, 1F804, 1F805, 1F806, 1F807, 1F808, 1F809, 1F80A, 1F80B, 1F80C, 1F80D, 1F80E, 1F80F
1F810, 1F811, 1F812, 1F813, 1F814, 1F815, 1F818, 1F819, 1F81A, 1F81B, 1F81C, 1F81D, 1F81E, 1F81F
1F820, 1F821, 1F822, 1F823, 1F824, 1F825, 1F826, 1F827
1F834, 1F835
1F878, 1F879, 1F87A, 1F87B, 1F87C, 1F87D
1F880, 1F881, 1F882, 1F883, 1F884, 1F885, 1F886, 1F887, 1F888, 1F889

Propose partial acceptance
See also comment T3 from Germany.
Only two characters (1F878 and 1F879) are moved to the 2Bxx table. Another set (1F880..1F889) is not moved because they will be removed from the repertoire from being unified with already encoded character. Other arrow related characters are maintained in the 1F8xx block. This is in accordance with German comment.

c) Ireland recommends adding the following new characters to this table:

2B74	LEFT RIGHT TRIANGLE-HEADED ARROW TO BAR
2B75	UP DOWN TRIANGLE-HEADED ARROW TO BAR
2B77	NORTH EAST TRIANGLE-HEADED ARROW TO BAR
2B79	SOUTH WEST TRIANGLE-HEADED ARROW TO BAR
2B7A	LEFTWARDS TRIANGLE-HEADED ARROW WITH DOUBLE HORIZONTAL STROKE
2B7C	RIGHTWARDS TRIANGLE-HEADED ARROW WITH DOUBLE HORIZONTAL STROKE
2B81	UPWARDS TRIANGLE-HEADED ARROW LEFTWARDS DOWNWARDS TRIANGLE-HEADED ARROW
2B82	RIGHTWARDS TRIANGLE-HEADED ARROW OVER LEFTWARDS TRIANGLE-HEADED ARROW
2BD0	UPWARDS TRIANGLE-HEADED ARROW WITH HEAVY SHAFT
2BD1	DOWNWARDS TRIANGLE-HEADED ARROW WITH HEAVY SHAFT

Propose partial acceptance
Refer to SC2 N4207 for charts.

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Code points are as suggested except for 2BD0 and 2BD1 which are encoded in the 1F8xx block as 1F835 and 1F837.
Nevertheless, Ireland is invited to submit a separate document showing rationale for these new characters.
Delta count (characters added from Pdam1.2: -1+10=9)

d) Ireland recommends ordering the characters in the table as shown below.

Propose acceptance in principle
Refer to SC2 N4207 for charts.
Within characters moved or added, the order of arrows suggested by Ireland is used.

T2. Page 65, Row A72: Latin Extended-A. With reference to ISO/IEC JTC1/SC2/WG2

N4030R "Proposal for the addition of six Latin characters to the UCS", Ireland requests that the following characters be added to PDAM 1.2:

A796   LATIN CAPITAL LETTER B WITH FLOURISH
A797   LATIN SMALL LETTER B WITH FLOURISH
A7AB   LATIN CAPITAL LETTER REVERSED OPEN E
A7AC   LATIN CAPITAL LETTER SCRIPT G
A7F6   LATIN CAPITAL LETTER SIDEWAYS I
A7F7   LATIN SMALL LETTER SIDEWAYS I

Propose non acceptance
Refer to SC2 N4207 for charts.
Although the block where these characters have content under ballot the characters above are not related to the balloted characters. These should be discussed and negotiated separately from this disposition.

T3. Page 65, Row A72: Latin Extended-A: A79F LATIN LETTER MIDDLE DOT

Ireland reiterates its strong support for the encoding of A79F LATIN LETTER MIDDLE DOT in this table.

Noted
See also comments T1from UK and US.

T4. Page 71, Row FE2: Combining Half Marks.

With reference to ISO/IEC JTC1/SC2/WG2 N4130R "Proposal for encoding the Caucasian Albanian script in the SMP of the UCS",

a) Ireland requests that the character at FE2B COMBINING CONJOINING MACRON BELOW be moved to FE2D.

Propose acceptance

b) Ireland also requests that the following characters be added to PDAM 1.2:

FE2B   COMBINING MACRON LEFT HALF BELOW
FE2C   COMBINING MACRON RIGHT HALF BELOW

Propose acceptance
Refer to SC2 N4207 for charts.
See comment T2 from Germany
These additions are accepted to facilitate disposition of comments coming from Germany and Ireland and to harmonize the set. Nevertheless these additions should also be discussed and negotiated separately from this disposition.
Delta count (characters added from Pdam1.2: 9+2=11)

T5. Page 98, Row 11AC: Pau Cin Hau.

Ireland requests that the inherent vowel -A be added to the names of the characters from 11AC0 through 11AD4. The assertions given by the author of N4017 for this were not sufficient to omit a vowel from the character names, as is the normal practice for UCS names for scripts of this region. In fact, the use of an -a does not imply that there is an inherent vowel in the alphabet (anymore than -e implies that there is an inherent vowel in Old Italic. Ireland strongly prefers to use the transliteration names as attested in Figures 2 and 8 of N4017. We do not request a change to the names of the final consonants, as the proposed names are congruent with other names of similar characters in the UCS.

<u>Propose acceptance in principle</u>
See also comment T2 from US.
The two name changes requested by the US will be affected by this comment.

T6. Page 113, Row 1F30: Miscellaneous Symbols and Pictographs.

a) Ireland recommends adding the following new characters to this table:

1F395 BOUQUET OF FLOWERS
1F397 BEAMED DESCENDING MUSICAL NOTES
1F569 RIGHT SPEAKER WITH ONE SOUND WAVE
1F56A RIGHT SPEAKER WITH THREE SOUND WAVES
1F596 REVERSED VICTORY HAND
1F597 REVERSED HAND WITH MIDDLE FINGER EXTENDED
1F598 RAISED HAND WITH PART BETWEEN MIDDLE AND RING FINGERS
1F5DF DECREASE FONT SIZE SYMBOL

<u>Propose acceptance</u>
See also comment T6 from US.
The character1F395 BOUQUET OF FLOWERS is also proposed by the US and is part of the original Wingdings set. Nevertheless, for the character proposed at 1F597 further discussion may be in order. In all cases, Ireland is invited to submit a separate document showing rationale for these new characters. Code points have been moved to take into consideration other comments, resulting in the following code positions:
1F395 BOUQUET OF FLOWERS
1F39D BEAMED DESCENDING MUSICAL NOTES
1F581 RIGHT SPEAKER WITH ONE SOUND WAVE
1F582 RIGHT SPEAKER WITH THREE SOUND WAVES
1F596 REVERSED VICTORY HAND
1F597 REVERSED HAND WITH MIDDLE FINGER EXTENDED
1F598 RAISED HAND WITH PART BETWEEN MIDDLE AND RING FINGERS
1F5E7 DECREASE FONT SIZE SYMBOL
Delta count (characters added from Pdam1.2: 11+8=19)

b) Ireland recommends changing the 1F581 BLACK ENVELOPE WITH WHITE LIGHTNING to ENVELOPE WITH LIGHTNING. There is no inherent necessity for there to be "blackness" in the envelope or "whiteness" in the lightning. The essential concept of this symbol is "electronic mail". The essential glyphs here are those of an envelope (which is white) and of 26A1 HIGH VOLTAGE SIGN (which is black).

<u>Propose acceptance</u>
Note that the character is located at 1F586 in the charts included with the comment from Ireland and was located at 1F585 in the ballot document and is now located at 1F587.

c) Ireland recommends using a reversed 270D WRITING HAND glyph for 1F58A LEFT WRITING HAND.

<u>Propose acceptance</u>
Note that the character is located at 1F590 in the charts included with the comment from Ireland and was located at 1F58A in the ballot document and is now located at 1F590.

Page 13

d) Ireland recommends basing the glyph for 1F5DB BLACK FOLDER on the glyph for 1F5DA FOLDER.

Propose acceptance
Note that the character is located at 1F5C8 in the charts included with the comment from Ireland and was located at 1F5DB in the ballot document and is now located at 1F5C8.

e) Ireland recommends ordering the characters in the table as shown below.

Propose acceptance in principle
Final ordering based on other comment dispositions. Because of the large number of additions requested by other member bodies in the same block, an extensive reordering was performed using the general principle suggested by Ireland.

T7. Page 128, Row 1F65: Ornament Symbols.
a) Ireland requests the change of the block name to "Ornamental Dingbats"; these characters are dingbats, not symbols for things.

Propose acceptance

b) Ireland requests that 2BBE and 2BBF be moved into this table.

Propose acceptance

c) Ireland requests that the word POINTING be added to the names of 1F650, 1F651, 1F652, 1F653, 1F654, 1F655, 1F656, 1F657.

Propose acceptance
The word 'POINTING' is added in front of 'LEAF' as in 1F650 NORTH WEST POINTING LEAF.

d) Ireland requests that the word ORNAMENT be added to the names of 1F670, 1F671, 1F672, 1F673, 1F674, 1F675. The word "ornaments" should also be added to the section headings.

Propose acceptance
See also comment T4 from Germany.
The word 'ORNAMENT' is added at the end of all these names as in 1F670 LIGATURE ET ORNAMENT. Note that some names were changed following the disposition of the comment T4 from Germany.

e) Ireland recommends adding the following new character to this table:

1F678   SANS-SERIF HEAVY LOW DOUBLE COMMA QUOTATION MARK ORNAMENT

Propose acceptance
See comment T5 from Germany.
Delta count (characters added from Pdam1.2: 19), no change because already included earlier

f) Ireland recommends ordering the characters in the table as shown below.

Propose acceptance in principle
From the original ballot table, the only changes are the reordering of the rocket ornament and the removal of two interrobang symbols with the following characters moved up by two position.

T8. Page 130, Row 1F68: Transport and Map Symbols.
a) Ireland requests that 2BCB and 1F6E6 be moved into this table.

Propose non acceptance
The Postscript name of the original source for 2BCB is 'query' which does not relate it to a transport and map symbols set; therefore it is not clear that the character should be moved. The code point 1F6E6 is already part of that table but could be moved within the table as suggested by Ireland. Note however that the US comment T6 requests many additions in the same block. Therefore similarly to a similar request for the Miscellaneous Symbols and Pictographs block, it seems wise to wait for the other additions to be processed before reordering the set.

b) Ireland recommends ordering the characters in the table as shown below.

Propose non acceptance
See disposition of comment T8 a) just above.

T9. Page 132, Row 1F78: Geometric Shapes Extended.
a) Ireland recommends ordering the characters in the table as shown below.

Propose acceptance
Note that the character shown at 1F7CE in the Irish chart is incorrect. It should be the character as shown in 1F7ED in the ballot document.

T10. Page 136, Row 1F80: Supplemental Arrows-C.
Ireland recommends the removal of the following characters from this table (to be moved elsewhere):

1F800, 1F801, 1F802, 1F803, 1F804, 1F805, 1F806, 1F807, 1F808, 1F809, 1F80A, 1F80B, 1F80C, 1F80D, 1F80E, 1F80F
1F810, 1F811, 1F812, 1F813, 1F814, 1F815, 1F818, 1F819, 1F81A, 1F81B, 1F81C, 1F81D, 1F81E, 1F81F
1F820, 1F821, 1F822, 1F823, 1F824, 1F825, 1F826, 1F827
1F834, 1F835
1F878, 1F879, 1F87A, 1F87B, 1F87C, 1F87D
1F880, 1F881, 1F882, 1F883, 1F884, 1F885, 1F886, 1F887, 1F888, 1F889

Propose partial acceptance
See also comment T3 from Germany.
Only 1F878 and 1F879 are moved out of this block.

b) Ireland recommends moving the following characters to this table:

2BA3, 2BA4, 2BA5, 2BA6, 2BA7, 2BA8, 2BA9, 2BAA
2BD0, 2BD1, 2BD2, 2BD3, 2BD4, 2BD5, 2BD6, 2BD7, 2BD8, 2BD9, 2BDA, 2BDB
2BE0, 2BE1, 2BE2, 2BE3, 2BE4, 2BE5, 2BE6, 2BE7

Propose acceptance
See also comment T3 from Germany.

c) Ireland recommends adding the following new characters to this table:

1F801   UPWARDS TRIANGLE-HEADED ARROW WITH NARROW SHAFT
1F803   DOWNWARDS TRIANGLE-HEADED ARROW WITH NARROW SHAFT
1F805   UPWARDS TRIANGLE-HEADED ARROW WITH MEDIUM SHAFT
1F807   DOWNWARDS TRIANGLE-HEADED ARROW WITH MEDIUM SHAFT
1F809   UPWARDS TRIANGLE-HEADED ARROW WITH BOLD SHAFT
1F80B   DOWNWARDS TRIANGLE-HEADED ARROW WITH BOLD SHAFT
1F80D   UPWARDS TRIANGLE-HEADED ARROW WITH VERY HEAVY SHAFT
1F80F   DOWNWARDS TRIANGLE-HEADED ARROW WITH VERY HEAVY SHAFT
1F811   UPWARDS FINGER-POST ARROW

1F813   DOWNWARDS FINGER-POST ARROW

Propose acceptance in principle
Some of these locations are changed based on results from other comments dispositions:
1F829   UPWARDS TRIANGLE-HEADED ARROW WITH NARROW SHAFT
1F82B   DOWNWARDS TRIANGLE-HEADED ARROW WITH NARROW SHAFT
1F82D   UPWARDS TRIANGLE-HEADED ARROW WITH MEDIUM SHAFT
1F82F   DOWNWARDS TRIANGLE-HEADED ARROW WITH MEDIUM SHAFT
1F831   UPWARDS TRIANGLE-HEADED ARROW WITH BOLD SHAFT
1F833   DOWNWARDS TRIANGLE-HEADED ARROW WITH BOLD SHAFT
1F839   UPWARDS TRIANGLE-HEADED ARROW WITH VERY HEAVY SHAFT
1F83B   DOWNWARDS TRIANGLE-HEADED ARROW WITH VERY HEAVY SHAFT
1F83D   UPWARDS FINGER-POST ARROW
1F83F   DOWNWARDS FINGER-POST ARROW
Delta count (characters added from Pdam1.2: 19+10=29)

d) Ireland recommends ordering the characters in the table as shown below.

Propose acceptance in principle
The order within each arrow group has been changed according to the Irish comment. However, some of these locations have been modified, based on results from other comments dispositions.

Editorial comments

E1. Page 21, Row 090: Devanagari.
Ireland requests to know why the dotted circle has been removed from the glyph 0903 DEVANAGARI SIGN VISARGA.

Accepted
This was a chart production issue which has been fixed since then.

E2. Page 30, Row 0D0: Malayalam.
Ireland recommends that the missing dotted circles for 0D44, 0D4E, and 0D62 be restored.

Accepted in principle
This was a chart production issue which has been fixed since then. Note that the glyph for 0D4E has been modified to include a dotted rectangular frame and no dotted circle based on separate feedback.

E3. Page 47, Row 230: Miscellaneous Technical.
Ireland requests that the annotations for 23F4, 23F5, 23F6, and 23F7 be changed to simple cross-references to 25C0, 25B6, 25B2, and 25BC respectively. The choice of isosceles right triangle and equilateral triangle for these audio and video navigation functions is surely a matter of choice of the implementor.

We request therefore that reciprocal annotations be placed in the Geometric Shapes block.

Propose non acceptance
The new proposed characters are grouped in a set called 'User interface symbols'. The characters located in the Geometric shapes have no such connotation. The addition of the new UI symbols partially recognized that the characters located in the geometric symbols were not as well suited for UI purpose.

E4. Page 47, Row 230: Miscellaneous Technical.
Ireland suggests that a cross reference to 2016 DOUBLE VERTICAL LINE be placed at 23F8, and vice-versa.

Accepted

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E5. Page 48, Row 270: Dingbats.
Ireland suggests that the chart glyph for 2700 BLACK SAFETY SCISSORS be modified to look more "safety-like" and somewhat less like the glyph for 2702.

<u>Accepted in principle</u>
Pending an updated font from Ireland

E6. Page 52, Row 2B0: Miscellaneous Symbols and Arrows.
Ireland recommends the correction of the misspelling "overal" to "overall" for 2B4F.

<u>Accepted</u>

Other accepted name changes:

- *Misspelling correction for 2B87 DOWNWARDS TRIANGLE-HEADED PAIRED ARROWS,*
- *Replacement of 'CENTERED' by 'CENTRED' (6 occurrences),*
- *1F39D MUSICAL PERFORMANCE becomes 1F39C BEAMED ASCENDING MUSICAL NOTES*
- *1F3F6 CROSSED TOOLS becomes 1F5F0 HAMMER AND WRENCH*
- *2BCD OVAL SHAPE WITH SHADOW becomes 2BD2 LEFT SHADOWED BLACK OVAL*
- *1F5DD CANCELLATION-X becomes 1F5E5 CANCELLATION X*
- *1F5DE FONT SIZE SIGN becomes 1F5E6 INCREASE FONT SIZE SYMBOL*

Romania: Negative

Technical comment

T1. Old Hungarian name:
The block "Old Hungarian" is not adequate for encoding as such.

Proposed change by Romania:
Discussions with the specialists in the TC

Noted
This is really not actionable from a ballot disposition of comments point of view. Discussions have taken place several times, including experts from Hungary at various WG2 meetings. The current repertoire was created following discussion an ad-hoc committee in Helsinki taking into consideration various inputs, including Hungary MB.

United Kingdom: Positive with comments

Technical comment:

T.1. Clause 31 Latin Extended-D
Once again we reaffirm our support for the encoding of A78F LATIN LETTER MIDDLE DOT (see also the UK ballot comments for ISO/IEC 10646:2003 FPDAM8, SC2 N4123). This character cannot be suitably represented by any existing character, such as U+00B7 MIDDLE DOT (a punctuation mark with the wrong character properties) or U+02D1 MODIFIER LETTER HALF TRIANGULAR COLON (wrong glyph shape and wrong semantics), and no convincing arguments have been advanced for not encoding it. As there is a pressing need to use it for representing Tangut phonetic data, we would strongly object to any further delay in the encoding of this character.
Noted

USA: Negative

Technical comments:

T.1. Latin Extended-D
Justification for the request to remove this character is contained in N3678 (L2/09‑278). A viable alternative to encoding a separate letter middle dot, for the purposes cited by the original proposal, would be to use the already encoded modifier letter, U+02D1 MODIFIER LETTER HALF TRIANGULAR COLON.

Proposed change by US:
The U.S. requests the removal of U+A78F LATIN LETTER MIDDLE DOT. We reiterate that this character is unnecessary and is a damaging duplication for the standard and should be removed from the amendment.

Propose not acceptance
See also comment T1 from UK.
The character can remain in the proposed amendment with the understanding that it may still be removed before the amendment enters the enquiry phase.

T.2. Pau Cin hau
The revised names for 11AC5 PAU CIN HAU LETTER Y and 11ACA PAU CIN HAU LETTER X (to "PAU CIN HAU LETTER Z" and "PAU CIN HAU LETTER KH") better reflect the modern phonology and Latin orthography for the Tedim language, which uses this script. The new names for glottal-stop marks are better descriptors of the characters properties and usage. The new name for 11AF1 PAU CIN HAU MID‑LEVEL TONE LONG FINAL is a correction.

Proposed change by US:
The U.S. requests the following name changes:

CODE POINT	CURRENT NAME	NEW NAME
11AC5	PAU CIN HAU LETTER Y	PAU CIN HAU LETTER Z
11ACA	PAU CIN HAU LETTER X	PAU CIN HAU LETTER KH
11AE7	PAU CIN HAU GLOTTAL STOP VARIANT	PAU CIN HAU SANDHI GLOTTAL STOP
11AEA	PAU CIN HAU GLOTTAL STOP VARIANT FINAL	PAU CIN HAU SANDHI GLOTTAL STOP FINAL
11AF0	PAU CIN HAU GLOTTAL STOP OTHER	PAU CIN HAU GLOTTAL STOP VARIANT
11AF1	PAU CIN HAU MID- LEVEL TONE LONG	PAU CIN HAU MID- LEVEL TONE LONG FINAL

Propose acceptance in principle
See also comment T5 from Ireland.
The names for 11AC5 and 11ACA are changed to PAU CIN HAU LETTER ZA and PAU CIN HAU LETTER KHA respectively.

T.3. Old Italic
The proposal has demonstrated that Rhetic can amply be covered by the Old Italic script.

Proposed change by US:
The U.S. requests the addition of U+1032F OLD ITALIC LETTER TTE, as proposed in N4046 (L2/11-146).

Propose non acceptance
There is controversy about this topic based on discussion at the last WG2 meeting, and the US is invited to engage in further discussion with interested experts and to provide new evidences.

T.4. Miscellaneous Symbols and Pictographs
An error appears in the names list.

Proposed change by US:
The character U+1F545 SYMBOL FOR CHAPTER MARKS contains an error in the name, and should be corrected to: SYMBOL FOR MARKS CHAPTER.

Accepted

T.5. Combining Half Marks
Two errors appear in the names list.

Proposed change by US:
Two character names are in error and need have "DOUBLE" removed from their names:

(Current names)
U+FE29 COMBINING DOUBLE TILDE LEFT HALF BELOW
U+FE2A COMBINING DOUBLE TILDE RIGHT HALF BELOW
(Corrected names)
U+FE29 COMBINING TILDE LEFT HALF BELOW
U+FE2A COMBINING TILDE RIGHT HALF BELOW.

Accepted

T.6. (various blocks containing Webdings and Wingdings)
The U.S. requests the addition of Webdings characters and modifications to the set of Wingdings characters currently in the PDAM 1.2 (SC2 N4201), as described in N4143 (L2/11-344).

Propose acceptance in principle
The document N4143 asks for reunification of 10 characters (Wingdings-239 to 248, corresponding to the white arrows) and the addition of 113 Webdings characters.
The reunification of the 10 white arrows is associated with a request to use the glyphs from the Wingdings set to represent these 10 characters in the UCS. The 10 characters in question are consistent among themselves and are also more compatible in design with keyboard symbols which are typically associated with these symbols.

More context on the white arrows

> *In October 2010 in Pulsan, WG2 resolved to change the glyphs for 5 of these white arrows to make them much thicker in a style that was closer to the symbols found in keyboard (along with 9 other keyboard related symbols in the same block). This was incorporated in the FCD of 10646 3rd edition.*
> *In June 2011 in Helsinki, per accepting comment E.2 from US, these glyph changes were undone, partially on the issue that the change was inconsistent with the rest of the white arrow set in the 2B00..2B04 ranges. And we also knew by then that the Wingding set was bringing some new element into the discussion.*
> *The original rationale as expressed in Pulsan was that white arrow set in the 2190-21FF block was too 'skinny' to represent appropriately keyboard symbols. But the 'fix' as done in the FCD went too far in the fattening and created a sync issue with other white arrows. In that aspect the Wingdings white arrows are a much better compromise.*
> *Checking on how some commercial fonts implemented these characters (mostly Japanese and symbol oriented ones) shows that they vary widely, not implementing the current 'skinny' type but mostly varying on fat shapes. The basic 4 white arrows have been in 10646/Unicode since version 2.0 of Unicode and SO/IEC10646-1:1993 (likely) and probably came from SJIS mapping.*
>
> *This means that the argument for preserving current shapes based on implementations is not that strong. The Wingdings shapes are much closer to what is currently implemented and they are also closer to what would be expected for the representation of related keyboard symbols.*

Concerning glyph modifications, the document N4113 calls to attention some unification between UCS and Wingdings that could cause glyph changes in the UCS. Among those, beyond the white arrow sets mentioned above, others deserve further study. The first category shows characters that should probably not be unified:

Wing dings ID	Wing dings glyph	UCS	UCS glyph	Name and comment
0138		1F3CA		SWIMMER The U glyph is so schematic that it does not serves as the same symbol even if the meaning is related
0143		1F4C8		CHART WITH UPWARDS TREND
0209		1F511		KEY Difference in abstraction makes them not substitutable, the W glyph is an old fashioned key
0119		1F6A9		TRIANGULAR FLAG ON POST The U glyph does not express 'golf' semantics

The second category shows characters that should be unified but with change to the current glyphs to adopt the W-glyph:

Wing dings ID	Wing dings glyph	UCS	UCS glyph	Name and comment
0037		1F3C6		TROPHY
1038		1F4D6		OPEN BOOK
1044		1F4EA		CLOSED MAILBOX WITH LOWERED FLAG,
1045		1F4EB		CLOSED MAILBOX WITH RAISED FLAG
1046		1F4EC		OPEN MAILBOX WITH RAISED FLAG, not an Emoji character
1047		1F4ED		OPEN MAILBOX WITH LOWERED FLAG, not an Emoji character
0181		1F4F7		CAMERA
		1F507		SPEAKER WITH CANCELLATION STROKE, need to resized, see 1F508
0088		1F508		SPEAKER, current glyph is too small, size needs to be increased for all in range 1F507-1F50A for consistency
		1F509		SPEAKER WITH ONE SOUND WAVE
		1F50A		SPEAKER WITH THREE SOUND WAVES
0118		1F68D		ONCOMING BUS The U glyph does not like a bus in isolation
0128		1F6B9		MENS SYMBOL U glyph are much less common depiction of these on signage, especially WOMENS SYMBOL

Wing dings ID	Wing dings glyph	UCS	UCS glyph	Name and comment
0129	⚲	1F6BA	🚺	WOMENS SYMBOL See above. Note that the design could be intermediate between current Wingdings design and UCS design.
		1F6BB	🚻	This is not a Wingdings character but would need to be redrawn according to design above

Concerning the addition of the 113 Webdings characters, the main impetus for adding them in the amendment is to encode the whole repertoire at once, given that there is still ample time to refine the proposal. Here are some metrics on the Webdings repertoire:

- *The repertoire has 222 characters,*
- *51 are currently proposed and did not get any negative feedback in the ballot,*
- *54 are not proposed because existing UCS characters exist that represent these appropriately,*
- *117 (113 original + 4 after disposition) are still not proposed for encoding.*

Based on this it clear that a large part of repertoire is not controversial, and it is reasonable to engage in a discussion concerning the encoding of the remaining 117 characters, with the assumption that some of the names and representative glyphs will be changed.

In conclusion, accepting this comment in principle would lead to 117 character additions (113 original +4 from the table above), 10 removals, and 25 glyph changes (10 for the white arrows +15 from the table above). The table below shows all 117 additions. The UCS code points highlighted in yellow are different from the values from WG2 N4113 and have been modified to accommodate other additions and reordering requested by Germany and Ireland (many referenced glyphs are not shown in the following table but will be displayed correctly in the amendment chart). Because one of the addition was also proposed by Ireland, this results in 116 (117-1) additions and 10 removals for a delta of 106 characters.

Delta count (characters added from Pdam1.2: 29+106=135)

ID	glyph	UCS	Name
0035		1F56F	NO PIRACY
0036		1F5F6	DARK SUNGLASSES = cool
0038		1F396	MEDAL = award
0040		1F570	LEFT SPEECH BUBBLE
0041		1F571	RIGHT SPEECH BUBBLE
0042		1F576	MOOD BUBBLE = new → 1F4A5 □ collision symbol
0043		1F579	LIGHTNING MOOD BUBBLE = updated → 26A1 □ high voltage
0046		2BC9	CHECKER BOARD → 259E □ quadrant upper right and lower left
0063		1F3F8	BALLOT BOX WITH BALLOT = vote → 2612 ☒ ballot box with x
0065		1F3D0	BUILDING CONSTRUCTION SIGN = under construction → 1F6A7 □ construction sign
0066		1F3D1	WHITE HOUSES WITH TERRAIN = town → 1F3E1 □ house with garden

ID	glyph	UCS	Name
0067		1F3D2	CITYSCAPE = skyline, city → 1F306 ☐ cityscape at dusk
0068		1F3D3	CONDEMNED HOUSE WITH TERRAIN = derelict site → 1F3E0 ☐ house building
0069		1F3D4	DESERT TERRAIN = desert → 1F335 ☐ cactus
0070		1F3D5	FACTORY WITH TERRAIN = factory → 1F3ED ☐ factory
0071		1F3D6	CLASSICAL FACADE WITH TERRAIN = public building
0072		1F3D7	SINGLE HOUSE WITH TERRAIN = home → 1F3E1 ☐ house with garden
0073		1F3D8	BEACH WITH UMBRELLA = beach → 26F1 ☐ umbrella on ground
0074		1F3D9	DESERT ISLAND = island → 1F334 ☐ palm tree
0075		1F3DA	HIGHWAY WITH BILLBOARD = motorway
0077		1F3DB	MOUNTAIN OR VOLCANO = mountain → 1F30B ☐volcano → 1F5FB ☐ mount fuji → 26F0 ☐ mountain
0080		1F3DC	TRAIL = park → 1F332 ☐ evergreen tree
0081		1F3DD	CAMPING → 26FA ☐ tent
0082		1F3DE	TRAIN TRACKS WITH TERRAIN = railroad
0083		1F3DF	SPORTS ARENA WITH TERRAIN = stadium
0084		1F6C7	SHIP AND OCEAN = ship = cruise line vacation → 1F6A2 ☐ ship
0085		1F584	BULLHORN WITH SOUND WAVES = sound on → 1F4E3 ☐ cheering megaphone → 1F50A ☐ speaker with three sound waves
0086		1F583	BULLHORN = sound off → 1F508 ☐ speaker
0090		1F395	BOUQUET OF FLOWERS = occasion → 1F490 ☐ bouquet
0091		1F574	LEFT THOUGHT BUBBLE
0093		1F575	RIGHT THOUGHT BUBBLE → 1F4AD ☐ thought balloon
0094		1F572	TWO SPEECH BUBBLES = chat
0095		1F573	THREE SPEECH BUBBLES = conference
0100		1F5F1	SHIELD = US road sign interstate highway
0101		1F37F	BLACK PACKAGE → 1F381 ☐ wrapped present → 1F4E6 ☐package

ID	glyph	UCS	Name
0102		1F6CA	ONCOMING FIRE ENGINE = fire → 1F692 □ fire engine
0104		1F6CB	BLACK AMBULANCE = medical → 1F691 □ ambulance
0106		1F6CC	SMALL AIRPLANE → 2708 ✈ airplane
0107		1F6CE	SATELLITE
0109		1F56E	MAN IN BUSINESS SUIT LEVITATING = jump
0111		1F6CB	MOTOR BOAT SIDEWAYS = boat → 1F6A4 □ speedboat
0116		1F6C6	DIESEL LOCOMOTIVE WITH TERRAIN = train → 1F682 □ steam locomotive → 1F686 □ train
0117		1F6C8	UNDERGROUND TRAIN = metro → 1F687 □ metro
0119		1F3F1	GOLF PENNANT
0123		1F578	LEFT ANGER BUBBLE = shout left
0125		1F579	RIGHT ANGER BUBBLE = shout right
0126		1F57A	LIGHTNING MOOD = lightning bolt → 26A1 □ high voltage sign
0130		1F6D0	BOY SYMBOL = boy
0131		1F6D1	GIRL SYMBOL = girl
0132		1F6D2	SWADDLED BABY SYMBOL = baby → 1F6BC □ baby symbol
0133		1F56C	BLACK EXTRATERRESTRIAL ALIEN = scifi → 1F47D □ extraterrestrial alien
0134		1F3CC	WEIGHT LIFTER = health
0137		1F3CD	GOLFER
0138		1F3CB	RIGHTWARDS SWIMMER
0140		1F3CE	MOTORCYCLE RIDER = motorcycle
0141		1F3CF	RACE CAR WITH RIDER = race car
0143		1F5F2	STOCK CHART = finance
0144		1F5F3	OIL DRUM = commodities
0145		1F5F4	BLACK MONEY BAG = money → 1F4B0 □ money bag
0146		1F5F5	PRICE TAG = price → 1F516 □ bookmark
0149		1F5F7	DAGGER KNIFE = rated for violence = hate → 1F52A □ hocho

ID	glyph	UCS	Name
0150		1F5F8	LIPS = rated for sex = kiss → 1F48B □ kiss mark
0151		1F5F9	SPEAKING HEAD SILHOUETTE = rated for strong language
0160		1F56D	SLEUTH OR SPY = investigate
0161		1F568	MANTELPIECE CLOCK = clock → 23F0 □ alarm clock
0162		1F5D9	FRAMED PICTURE WITH TILES = frames
0163		1F5DA	FRAME WITH AN X = no frames, no picture
0164		1F5EA	CLIPBOARD SIDEWAYS → 1F4CB □ clipboard
0165		1F5DB	CALENDAR EMPTY = note → 1F4C5 □ calendar
0166		1F5DC	CALENDAR DAY-1 = calendar → 1F4C6 □ tear-off calendar
0167		1F5EB	OPEN BOOK FLAT = book → 1F4D6 □ open book
0169		1F5EC	ROLLED-UP NEWSPAPER = news → 1F4F0 □ newspaper
0170		1F5DD	INDEX CARD WITH CIRCLED TEXT = classified
0171		1F5DE	CARD FILE BOX = archive
0172		1F5DF	BLACK CARD INDEX = index → 1F4C7 □ card index
0173		1F5D8	FRAMED PICTURE = art
0176		1F398	MUSICAL KEYBOARD WITH PLUGS = midi, midi keyboard → 1F3B9 □ musical keyboard
0177		1F399	STUDIO MICROPHONE = microphone → 1F3A4 □ microphone
0180		1F39E	FILM = film clip
0182		1F39F	ADMISSION TICKETS = ticket → 1F3AB □ ticket
0184		1F4FD	FILM PROJECTOR = movies → 1F3A6 □ cinema
0186		1F4FE	PORTABLE STEREO = stereo
0188		1F39A	LEVEL SLIDER = level control
0189		1F39B	CONTROL KNOBS = audio control
0190		1F4FF	TELEVISION FLAT CRT → 1F4FA □ television
0191		1F5AF	COMPUTER MONITOR → 1F4BB □ personal computer
0195		1F5AD	JOYSTICK

ID	glyph	UCS	Name
0196		1F5AE	BLACK GAME CONTROLLER = game pad → 1F3AE □ video game
0198		1F5A7	TELEPHONE RECEIVER WITH PAGE = fax → 1F4E0 □ fax machine
0200		1F5AC	CLAMSHELL MOBILE PHONE = cellular phone → 1F4F1 □ mobile phone
0201		1F5AB	TELEPHONE ON TOP OF MODEM = modem
0206		1F5E8	COMPRESSION
0209		1F5E9	OLD KEY
0213		1F321	WHITE SUN = sunny → 263C ☼ white sun with rays
0214		1F322	WHITE SUN WITH SMALL BLACK CLOUD = mostly sunny → 26C5 □ sun behind cloud
0215		1F323	WHITE SUN BEHIND BLACK CLOUDS = mostly cloudy
0216		1F324	WHITE SUN BEHIND BLACK CLOUDS AND RAIN = showers
0217		1F325	BLACK CLOUD = cloudy → 2601 ☁ cloud
0218		1F326	BLACK CLOUD AND SNOW = snow, snow showers
0219		1F327	BLACK CLOUD AND RAIN = rain
0220		1F328	BLACK CLOUD AND THUNDER = lightning, thunderstorm → 26C8 □ thunder cloud and rain
0221		1F329	BLACK CLOUD AND TORNADO = tornado, twister
0222		1F32A	WIND BLOWING FACE = wind
0223		1F32B	FOG → 1F301 □ foggy
0226		1F3F4	COUCH AND LAMP = furniture, lifestyles
0227		1F3F5	BED IN PERSPECTIVE = hotel, guestrooms, accommodation → 1F3E8 □ hotel
0230		1F3F6	BELLHOP BELL = reception, services
0231		1F3F7	TWO SHOPPING BAGS = shopping
0234		1F6D9	TRIANGLE WITH ROUNDED CORNERS = caution → 25B3 △ white up-pointing triangle
0235		1F5ED	BLACK PUSHPIN = marker → 1F4CC □ pushpin
0237		2BEC	THREE RAYS ABOVE
0238		2BED	THREE RAYS BELOW
0239		2BEE	THREE RAYS LEFT → 269E □ three lines converging right
0240		2BEF	THREE RAYS RIGHT → 269F □ three lines converging left

ID	glyph	UCS	Name
0241	✈	1F6CD	AIRPLANE RISING = airplane
0242	🐿	1F3FE	CHIPMUNK = animal
0255	🕊	1F3FF	DOVE = peace

Editorial comments:

E.1. Page 1, Typographic error
The following line should remove an "s" in "formats":
Insert the following entry in the list of formats characters:
Accepted

E.2. Page 1, 3, 4, and 5 Typographic errors
On pages 1, 3, 4, and 5and 5, the block name "Short hand" should be replaced by "Shorthand."
Accepted

E.3. Duployan
The named aliases for U+1BC0B, U+1BC70-U+1BC75 and U+1BC80 has a recurrent typo: "Pernin ReportersÖ".
It should be "Pernin Reporters', with a single quote instead of "Ö".
Accepted

E.4. Enclosed Alphanumeric Supplement
The italicized comment immediately above U+1F10B should remove the "s" in "complements":
These digits complements the sans-serif digit sets in the Dingbat block 2780-2789 and 278A-2793.
Accepted

E.5. Geometric Shapes Extended
In the italicized comment, the verb should just be "originate" (instead of "are originated"):
These geometric shapes are originated from the Webdings/Wingdings collections.
Accepted

E.6. Limbu
The requested glyph modifications will more faithfully reflect those shown in the original proposal N3975 (L2/11-008) and be more consistent with other glyphs in the chart.

Proposed change by US:
The U.S. requests the glyphs for U+191D LIMBU LETTER GYAN and U+191E LIMBU LETTER TRA be modified as follows:

(Current)

ꤌ 190C   ꤜ 191C

ꤍ 190D   ꤝ 191D

ꤎ 190E   ꤞ 191E

(glyphs in original proposal)

(glyphs in figure 1)

Accepted

E.7. Devanagari
The proposed glyph change will more faithfully reflect the shape shown in the revised proposal N3970 (L2/10-475R), dated 23 May 2011.
Proposed change by US:
The U.S. requests the glyph for U+0978 DEVANAGARI LETTER MARWARI DDA be modified as follows:

(Current)

ॸ 0978
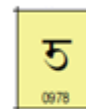
(as reflected in revised proposal)

Accepted

E.8. Cover page and pages 1 and 3, Typographic error
The title of the PDAM on the cover page of N4201 currently reads: "Amendment 1: Linear A, Palmyrene, Manichean, Khojki, Khudawadi, Bassa Vah, Duployan, and other characters". The script name "Manichean" is a typo for "Manichaean" and should also be corrected on pages 1 and 3.
Accepted

	090	091	092	093	094	095	096	097
0	◌ँ 0900	ऐ 0910	ठ 0920	र 0930	◌ी 0940	ॐ 0950	ॠ 0960	० 0970
1	◌ँ 0901	ऑ 0911	ड 0921	र॑ 0931	◌ु 0941	◌॑ 0951	ॡ 0961	ॱ 0971
2	◌ं 0902	ओ 0912	ढ 0922	ल 0932	◌ू 0942	◌॒ 0952	◌ॢ 0962	ॲ 0972
3	◌ः 0903	ओ 0913	ण 0923	ळ 0933	◌ृ 0943	◌॓ 0953	◌ॣ 0963	ॳ 0973
4	ऄ 0904	औ 0914	त 0924	ऴ 0934	◌ॄ 0944	◌॔ 0954	। 0964	ॴ 0974
5	अ 0905	क 0915	थ 0925	व 0935	◌ॅ 0945	◌ॕ 0955	॥ 0965	ॵ 0975
6	आ 0906	ख 0916	द 0926	श 0936	◌ॆ 0946	◌ॖ 0956	० 0966	ॶ 0976
7	इ 0907	ग 0917	ध 0927	ष 0937	◌े 0947	◌ॗ 0957	१ 0967	ॷ 0977
8	ई 0908	घ 0918	न 0928	स 0938	◌ै 0948	क़ 0958	२ 0968	**ॸ 0978**
9	उ 0909	ङ 0919	ऩ 0929	ह 0939	◌ॉ 0949	ख़ 0959	३ 0969	ॹ 0979
A	ऊ 090A	च 091A	प 092A	◌ऻ 093A	◌ॊ 094A	ग़ 095A	४ 096A	ॺ 097A
B	ऋ 090B	छ 091B	फ 092B	◌ऺ 093B	◌ो 094B	ज़ 095B	५ 096B	ग 097B
C	ऌ 090C	ज 091C	ब 092C	◌़ 093C	◌ौ 094C	ड़ 095C	६ 096C	ॼ 097C
D	ऍ 090D	झ 091D	भ 092D	ऽ 093D	◌्ᵈ 094D	ढ़ 095D	७ 096D	ॽ 097D
E	ऎ 090E	ञ 091E	म 092E	◌ा 093E	◌ॎ 094E	फ़ 095E	८ 096E	ॾ 097E
F	ए 090F	ट 091F	य 092F	ि◌ 093F	◌ॏ 094F	य़ 095F	९ 096F	ब 097F

Various signs

0900	ऀ	DEVANAGARI SIGN INVERTED CANDRABINDU
		= vaidika adhomukha candrabindu
0901	ँ	DEVANAGARI SIGN CANDRABINDU
		= anunasika
		→ 0310 ̐ combining candrabindu
0902	ं	DEVANAGARI SIGN ANUSVARA
		= bindu
0903	ः	DEVANAGARI SIGN VISARGA

Independent vowels

0904	ऄ	DEVANAGARI LETTER SHORT A
0905	अ	DEVANAGARI LETTER A
0906	आ	DEVANAGARI LETTER AA
0907	इ	DEVANAGARI LETTER I
0908	ई	DEVANAGARI LETTER II
0909	उ	DEVANAGARI LETTER U
090A	ऊ	DEVANAGARI LETTER UU
090B	ऋ	DEVANAGARI LETTER VOCALIC R
090C	ऌ	DEVANAGARI LETTER VOCALIC L
090D	ऍ	DEVANAGARI LETTER CANDRA E
090E	ऎ	DEVANAGARI LETTER SHORT E
		• for transcribing Dravidian short e
090F	ए	DEVANAGARI LETTER E
0910	ऐ	DEVANAGARI LETTER AI
0911	ऑ	DEVANAGARI LETTER CANDRA O
0912	ऒ	DEVANAGARI LETTER SHORT O
		• for transcribing Dravidian short o
0913	ओ	DEVANAGARI LETTER O
0914	औ	DEVANAGARI LETTER AU

Consonants

0915	क	DEVANAGARI LETTER KA
0916	ख	DEVANAGARI LETTER KHA
0917	ग	DEVANAGARI LETTER GA
0918	घ	DEVANAGARI LETTER GHA
0919	ङ	DEVANAGARI LETTER NGA
091A	च	DEVANAGARI LETTER CA
091B	छ	DEVANAGARI LETTER CHA
091C	ज	DEVANAGARI LETTER JA
091D	झ	DEVANAGARI LETTER JHA
091E	ञ	DEVANAGARI LETTER NYA
091F	ट	DEVANAGARI LETTER TTA
0920	ठ	DEVANAGARI LETTER TTHA
0921	ड	DEVANAGARI LETTER DDA
0922	ढ	DEVANAGARI LETTER DDHA
0923	ण	DEVANAGARI LETTER NNA
0924	त	DEVANAGARI LETTER TA
0925	थ	DEVANAGARI LETTER THA
0926	द	DEVANAGARI LETTER DA
0927	ध	DEVANAGARI LETTER DHA
0928	न	DEVANAGARI LETTER NA
0929	ऩ	DEVANAGARI LETTER NNNA
		• for transcribing Dravidian alveolar n
		≡ 0928 न 093C ़
092A	प	DEVANAGARI LETTER PA
092B	फ	DEVANAGARI LETTER PHA
092C	ब	DEVANAGARI LETTER BA
092D	भ	DEVANAGARI LETTER BHA
092E	म	DEVANAGARI LETTER MA
092F	य	DEVANAGARI LETTER YA
0930	र	DEVANAGARI LETTER RA

0931	ऱ	DEVANAGARI LETTER RRA
		• for transcribing Dravidian alveolar r
		• half form is represented as "Eyelash RA"
		≡ 0930 र 093C ़
0932	ल	DEVANAGARI LETTER LA
0933	ळ	DEVANAGARI LETTER LLA
0934	ऴ	DEVANAGARI LETTER LLLA
		• for transcribing Dravidian l
		≡ 0933 ळ 093C ़
0935	व	DEVANAGARI LETTER VA
0936	श	DEVANAGARI LETTER SHA
0937	ष	DEVANAGARI LETTER SSA
0938	स	DEVANAGARI LETTER SA
0939	ह	DEVANAGARI LETTER HA

Dependent vowel signs for Kashmiri

093A	ऺ	DEVANAGARI VOWEL SIGN OE
093B	ऻ	DEVANAGARI VOWEL SIGN OOE

Various signs

093C	़	DEVANAGARI SIGN NUKTA
		• for extending the alphabet to new letters
093D	ऽ	DEVANAGARI SIGN AVAGRAHA

Dependent vowel signs

093E	ा	DEVANAGARI VOWEL SIGN AA
093F	ि	DEVANAGARI VOWEL SIGN I
		• stands to the left of the consonant
0940	ी	DEVANAGARI VOWEL SIGN II
0941	ु	DEVANAGARI VOWEL SIGN U
0942	ू	DEVANAGARI VOWEL SIGN UU
0943	ृ	DEVANAGARI VOWEL SIGN VOCALIC R
0944	ॄ	DEVANAGARI VOWEL SIGN VOCALIC RR
0945	ॅ	DEVANAGARI VOWEL SIGN CANDRA E
		= candra
0946	ॆ	DEVANAGARI VOWEL SIGN SHORT E
		• for transcribing Dravidian vowels
0947	े	DEVANAGARI VOWEL SIGN E
0948	ै	DEVANAGARI VOWEL SIGN AI
0949	ॉ	DEVANAGARI VOWEL SIGN CANDRA O
094A	ॊ	DEVANAGARI VOWEL SIGN SHORT O
		• for transcribing Dravidian vowels
094B	ो	DEVANAGARI VOWEL SIGN O
094C	ौ	DEVANAGARI VOWEL SIGN AU

Virama

094D	्	DEVANAGARI SIGN VIRAMA
		= halant (the preferred Hindi name)
		• suppresses inherent vowel

Dependent vowel signs

094E	ॎ	DEVANAGARI VOWEL SIGN PRISHTHAMATRA E
		• character has historic use only
		• combines with E to form AI, with AA to form O, and with O to form AU
094F	ॏ	DEVANAGARI VOWEL SIGN AW
		• Kashmiri

Sign

0950	ॐ	DEVANAGARI OM

Vedic tone marks

0951	◌॑	DEVANAGARI STRESS SIGN UDATTA

= Vedic tone svarita
• mostly used for svarita, with rare use for udatta
• used also in Vedic texts written in other scripts
→ 1CDA ◌᳚ vedic tone double svarita

0952	◌॒	DEVANAGARI STRESS SIGN ANUDATTA

= Vedic tone anudatta
• used also in Vedic texts written in other scripts
→ 1CDC ◌᳜ vedic tone kathaka anudatta

Accent marks

0953	◌॓	DEVANAGARI GRAVE ACCENT

→ 0300 ◌̀ combining grave accent

0954	◌॔	DEVANAGARI ACUTE ACCENT

→ 0301 ◌́ combining acute accent

Dependent vowel sign

0955	◌ॕ	DEVANAGARI VOWEL SIGN CANDRA LONG E

• used in transliteration of Avestan

Dependent vowel signs for Kashmiri

0956	◌ॖ	DEVANAGARI VOWEL SIGN UE
0957	◌ॗ	DEVANAGARI VOWEL SIGN UUE

Additional consonants

0958	क़	DEVANAGARI LETTER QA

≡ 0915 क 093C ◌़

0959	ख़	DEVANAGARI LETTER KHHA

≡ 0916 ख 093C ◌़

095A	ग़	DEVANAGARI LETTER GHHA

≡ 0917 ग 093C ◌़

095B	ज़	DEVANAGARI LETTER ZA

≡ 091C ज 093C ◌़

095C	ड़	DEVANAGARI LETTER DDDHA

≡ 0921 ड 093C ◌़

095D	ढ़	DEVANAGARI LETTER RHA

≡ 0922 ढ 093C ◌़

095E	फ़	DEVANAGARI LETTER FA

≡ 092B फ 093C ◌़

095F	य़	DEVANAGARI LETTER YYA

≡ 092F य 093C ◌़

Additional vowels for Sanskrit

0960	ॠ	DEVANAGARI LETTER VOCALIC RR
0961	ॡ	DEVANAGARI LETTER VOCALIC LL
0962	◌ॢ	DEVANAGARI VOWEL SIGN VOCALIC L
0963	◌ॣ	DEVANAGARI VOWEL SIGN VOCALIC LL

Generic punctuation for scripts of India

These punctuation marks are for common use for the scripts of India despite being named "DEVANAGARI". They also occur as abbreviation signs in some South Indian scripts.

0964	।	DEVANAGARI DANDA

= purna viram
• phrase separator

0965	॥	DEVANAGARI DOUBLE DANDA

= deergh viram

Digits

0966	०	DEVANAGARI DIGIT ZERO
0967	१	DEVANAGARI DIGIT ONE
0968	२	DEVANAGARI DIGIT TWO
0969	३	DEVANAGARI DIGIT THREE
096A	४	DEVANAGARI DIGIT FOUR
096B	५	DEVANAGARI DIGIT FIVE
096C	६	DEVANAGARI DIGIT SIX
096D	७	DEVANAGARI DIGIT SEVEN
096E	८	DEVANAGARI DIGIT EIGHT
096F	९	DEVANAGARI DIGIT NINE

Abbreviation sign

0970	॰	DEVANAGARI ABBREVIATION SIGN

• intended for Devanagari-specific abbreviations

0971	ॱ	DEVANAGARI SIGN HIGH SPACING DOT

Independent vowel for Marathi

0972	ॲ	DEVANAGARI LETTER CANDRA A

Independent vowels for Kashmiri

0973	ॳ	DEVANAGARI LETTER OE
0974	ॴ	DEVANAGARI LETTER OOE
0975	ॵ	DEVANAGARI LETTER AW
0976	ॶ	DEVANAGARI LETTER UE
0977	ॷ	DEVANAGARI LETTER UUE

Additional consonants

0978	ॸ	DEVANAGARI LETTER MARWARI DDA
0979	ॹ	DEVANAGARI LETTER ZHA

• used in transliteration of Avestan

097A	ॺ	DEVANAGARI LETTER HEAVY YA

• used for an affricated glide JJYA

Sindhi implosives

097B	ॻ	DEVANAGARI LETTER GGA
097C	ॼ	DEVANAGARI LETTER JJA

Glottal stop

097D	ॽ	DEVANAGARI LETTER GLOTTAL STOP

• used for writing Limbu in Devanagari
• a glyph variant has the connecting top bar

Sindhi implosives

097E	ॾ	DEVANAGARI LETTER DDDA
097F	ॿ	DEVANAGARI LETTER BBA

	190	191	192	193	194
0	꤀ 1900	ꤐ 1910	ꤠ 1920	ꤰ 1930	ꥀ 1940
1	꤁ 1901	ꤑ 1911	ꤡ 1921	ꤱ 1931	
2	꤂ 1902	ꤒ 1912	ꤢ 1922	ꤲ 1932	
3	꤃ 1903	ꤓ 1913	ꤣ 1923	ꤳ 1933	
4	꤄ 1904	ꤔ 1914	ꤤ 1924	ꤴ 1934	ꥄ 1944
5	꤅ 1905	ꤕ 1915	ꤥ 1925	ꤵ 1935	ꥅ 1945
6	꤆ 1906	ꤖ 1916	ꤦ 1926	ꤶ 1936	ꥆ 1946
7	꤇ 1907	ꤗ 1917	ꤧ 1927	ꤷ 1937	ꥇ 1947
8	꤈ 1908	ꤘ 1918	ꤨ 1928	ꤸ 1938	ꥈ 1948
9	꤉ 1909	ꤙ 1919	ꤩ 1929	ꤹ 1939	ꥉ 1949
A	ꤊ 190A	ꤚ 191A	ꤪ 192A	ꤺ 193A	ꥊ 194A
B	ꤋ 190B	ꤛ 191B	꤫ 192B	ꤻ 193B	ꥋ 194B
C	ꤌ 190C	ꤜ 191C			ꥌ 194C
D	ꤍ 190D	ꤝ 191D			ꥍ 194D
E	ꤎ 190E	ꤞ 191E			ꥎ 194E
F	ꤏ 190F				ꥏ 194F

Consonants

1900	꤀	LIMBU VOWEL-CARRIER LETTER
1901	꤁	LIMBU LETTER KA
1902	꤂	LIMBU LETTER KHA
1903	꤃	LIMBU LETTER GA
1904	꤄	LIMBU LETTER GHA
1905	꤅	LIMBU LETTER NGA
1906	꤆	LIMBU LETTER CA
1907	꤇	LIMBU LETTER CHA
1908	꤈	LIMBU LETTER JA
1909	꤉	LIMBU LETTER JHA
190A	ꤊ	LIMBU LETTER YAN
190B	ꤋ	LIMBU LETTER TA
190C	ꤌ	LIMBU LETTER THA
190D	ꤍ	LIMBU LETTER DA
190E	ꤎ	LIMBU LETTER DHA
190F	ꤏ	LIMBU LETTER NA
1910	ꤐ	LIMBU LETTER PA
1911	ꤑ	LIMBU LETTER PHA
1912	ꤒ	LIMBU LETTER BA
1913	ꤓ	LIMBU LETTER BHA
1914	ꤔ	LIMBU LETTER MA
1915	ꤕ	LIMBU LETTER YA
1916	ꤖ	LIMBU LETTER RA
1917	ꤗ	LIMBU LETTER LA
1918	ꤘ	LIMBU LETTER WA
1919	ꤙ	LIMBU LETTER SHA
191A	ꤚ	LIMBU LETTER SSA
191B	ꤛ	LIMBU LETTER SA
191C	ꤜ	LIMBU LETTER HA
191D	ꤝ	LIMBU LETTER GYAN
		= jnya
191E	ꤞ	LIMBU LETTER TRA

Dependent vowel signs

1920	◌ꤠ	LIMBU VOWEL SIGN A
1921	◌ꤡ	LIMBU VOWEL SIGN I
1922	◌ꤢ	LIMBU VOWEL SIGN U
1923	◌ꤣ	LIMBU VOWEL SIGN EE
1924	◌ꤤ	LIMBU VOWEL SIGN AI
1925	◌ꤥ	LIMBU VOWEL SIGN OO
1926	◌ꤦ	LIMBU VOWEL SIGN AU
1927	◌ꤧ	LIMBU VOWEL SIGN E
1928	◌ꤨ	LIMBU VOWEL SIGN O

Subjoined consonants

1929	◌ꤩ	LIMBU SUBJOINED LETTER YA
192A	◌ꤪ	LIMBU SUBJOINED LETTER RA
192B	◌꤫	LIMBU SUBJOINED LETTER WA

Final consonants

1930	◌ꤰ	LIMBU SMALL LETTER KA
1931	◌ꤱ	LIMBU SMALL LETTER NGA
1932	◌ꤲ	LIMBU SMALL LETTER ANUSVARA
1933	◌ꤳ	LIMBU SMALL LETTER TA
1934	◌ꤴ	LIMBU SMALL LETTER NA
1935	◌ꤵ	LIMBU SMALL LETTER PA
1936	◌ꤶ	LIMBU SMALL LETTER MA
1937	◌ꤷ	LIMBU SMALL LETTER RA
1938	◌ꤸ	LIMBU SMALL LETTER LA

Various signs

1939	◌ꤹ	LIMBU SIGN MUKPHRENG
193A	◌ꤺ	LIMBU SIGN KEMPHRENG

193B	◌ꤻ	LIMBU SIGN SA-I
193C	▨	<reserved>
193D	▨	<reserved>
193E	▨	<reserved>
193F	▨	<reserved>
1940	ꥀ	LIMBU SIGN LOO
1941	▨	<reserved>
1942	▨	<reserved>
1943	▨	<reserved>
1944	ꥄ	LIMBU EXCLAMATION MARK
1945	ꥅ	LIMBU QUESTION MARK

Digits

1946	ꥆ	LIMBU DIGIT ZERO
1947	ꥇ	LIMBU DIGIT ONE
1948	ꥈ	LIMBU DIGIT TWO
1949	ꥉ	LIMBU DIGIT THREE
194A	ꥊ	LIMBU DIGIT FOUR
194B	ꥋ	LIMBU DIGIT FIVE
194C	ꥌ	LIMBU DIGIT SIX
194D	ꥍ	LIMBU DIGIT SEVEN
194E	ꥎ	LIMBU DIGIT EIGHT
194F	ꥏ	LIMBU DIGIT NINE

	219	21A	21B	21C	21D	21E	21F
0	←	→→	↰	⇀	⇐	⬸	⇨
	2190	21A0	21B0	21C0	21D0	21E0	21F0
1	↑	↓	↱	⇁	⇑	⇡	⇱
	2191	21A1	21B1	21C1	21D1	21E1	21F1
2	→	↢	↲	⇂	⇒	⇢	⇲
	2192	21A2	21B2	21C2	21D2	21E2	21F2
3	↓	↣	↳	⇃	⇓	⇣	⇳
	2193	21A3	21B3	21C3	21D3	21E3	21F3
4	↔	↤	↴	⇄	⇔	⇤	⇴
	2194	21A4	21B4	21C4	21D4	21E4	21F4
5	↕	↥	↵	⇅	⇕	⇥	⇵
	2195	21A5	21B5	21C5	21D5	21E5	21F5
6	↖	↦	↶	⇆	⇖	⇦	⇶
	2196	21A6	21B6	21C6	21D6	21E6	21F6
7	↗	↧	↷	⇇	⇗	⇧	⇷
	2197	21A7	21B7	21C7	21D7	21E7	21F7
8	↘	↨	↸	⇈	⇘	⇨	⇸
	2198	21A8	21B8	21C8	21D8	21E8	21F8
9	↙	↩	↹	⇉	⇙	⇩	⇹
	2199	21A9	21B9	21C9	21D9	21E9	21F9
A	↚	↪	↺	⇊	⇚	⇪	⇺
	219A	21AA	21BA	21CA	21DA	21EA	21FA
B	↛	↫	↻	⇋	⇛	⇫	⇻
	219B	21AB	21BB	21CB	21DB	21EB	21FB
C	↜	↬	↼	⇌	⇜	⇬	⇼
	219C	21AC	21BC	21CC	21DC	21EC	21FC
D	↝	↭	↽	⇍	⇝	⇭	↽
	219D	21AD	21BD	21CD	21DD	21ED	21FD
E	↞	↮	↾	⇎	↨	⇮	→
	219E	21AE	21BE	21CE	21DE	21EE	21FE
F	↟	↯	↿	⇏	↨	⇯	↔
	219F	21AF	21BF	21CF	21DF	21EF	21FF

Simple arrows

2190	←	LEFTWARDS ARROW
		→ 20EA ⬿ combining leftwards arrow overlay
2191	↑	UPWARDS ARROW
		• IPA: egressive airflow
2192	→	RIGHTWARDS ARROW
		= z notation total function
2193	↓	DOWNWARDS ARROW
		• IPA: ingressive airflow
2194	↔	LEFT RIGHT ARROW
		= z notation relation
2195	↕	UP DOWN ARROW
2196	↖	NORTH WEST ARROW
2197	↗	NORTH EAST ARROW
2198	↘	SOUTH EAST ARROW
2199	↙	SOUTH WEST ARROW

Arrows with modifications

219A	↚	LEFTWARDS ARROW WITH STROKE
		• negation of 2190 ←
		≡ 2190 ← 0338 $\not$
219B	↛	RIGHTWARDS ARROW WITH STROKE
		• negation of 2192 →
		≡ 2192 → 0338 $\not$
219C	↜	LEFTWARDS WAVE ARROW
		→ 2B3F ⬿ wave arrow pointing directly left
219D	↝	RIGHTWARDS WAVE ARROW
219E	↞	LEFTWARDS TWO HEADED ARROW
		= fast cursor left
219F	↟	UPWARDS TWO HEADED ARROW
		= fast cursor up
21A0	↠	RIGHTWARDS TWO HEADED ARROW
		= z notation total surjection
		= fast cursor right
21A1	↡	DOWNWARDS TWO HEADED ARROW
		= form feed
		= fast cursor down
21A2	↢	LEFTWARDS ARROW WITH TAIL
21A3	↣	RIGHTWARDS ARROW WITH TAIL
		= z notation total injection
21A4	↤	LEFTWARDS ARROW FROM BAR
21A5	↥	UPWARDS ARROW FROM BAR
21A6	↦	RIGHTWARDS ARROW FROM BAR
		= z notation maplet
21A7	↧	DOWNWARDS ARROW FROM BAR
		= depth symbol
21A8	↨	UP DOWN ARROW WITH BASE
21A9	↩	LEFTWARDS ARROW WITH HOOK
21AA	↪	RIGHTWARDS ARROW WITH HOOK
21AB	↫	LEFTWARDS ARROW WITH LOOP
21AC	↬	RIGHTWARDS ARROW WITH LOOP
21AD	↭	LEFT RIGHT WAVE ARROW
21AE	↮	LEFT RIGHT ARROW WITH STROKE
		• negation of 2194 ↔
		≡ 2194 ↔ 0338 $\not$
21AF	↯	DOWNWARDS ZIGZAG ARROW
		= electrolysis

Arrows with bent tips

Other arrows with bent tips to complete this set can be found in the Miscellaneous Symbols and Arrows block.

21B0	↰	UPWARDS ARROW WITH TIP LEFTWARDS
21B1	↱	UPWARDS ARROW WITH TIP RIGHTWARDS
21B2	↲	DOWNWARDS ARROW WITH TIP LEFTWARDS
21B3	↳	DOWNWARDS ARROW WITH TIP RIGHTWARDS

Keyboard symbols and circle arrows

21B4	↴	RIGHTWARDS ARROW WITH CORNER DOWNWARDS
		= line feed
21B5	↵	DOWNWARDS ARROW WITH CORNER LEFTWARDS
		• may indicate a carriage return or new line
		→ 23CE ⏎ return symbol
21B6	↶	ANTICLOCKWISE TOP SEMICIRCLE ARROW
21B7	↷	CLOCKWISE TOP SEMICIRCLE ARROW
21B8	↸	NORTH WEST ARROW TO LONG BAR
		= home
21B9	↹	LEFTWARDS ARROW TO BAR OVER RIGHTWARDS ARROW TO BAR
		= tab with shift tab
21BA	↺	ANTICLOCKWISE OPEN CIRCLE ARROW
21BB	↻	CLOCKWISE OPEN CIRCLE ARROW

Harpoons

21BC	↼	LEFTWARDS HARPOON WITH BARB UPWARDS
21BD	↽	LEFTWARDS HARPOON WITH BARB DOWNWARDS
21BE	↾	UPWARDS HARPOON WITH BARB RIGHTWARDS
21BF	↿	UPWARDS HARPOON WITH BARB LEFTWARDS
21C0	⇀	RIGHTWARDS HARPOON WITH BARB UPWARDS
21C1	⇁	RIGHTWARDS HARPOON WITH BARB DOWNWARDS
21C2	⇂	DOWNWARDS HARPOON WITH BARB RIGHTWARDS
21C3	⇃	DOWNWARDS HARPOON WITH BARB LEFTWARDS

Paired arrows and harpoons

21C4	⇄	RIGHTWARDS ARROW OVER LEFTWARDS ARROW
21C5	⇅	UPWARDS ARROW LEFTWARDS OF DOWNWARDS ARROW
21C6	⇆	LEFTWARDS ARROW OVER RIGHTWARDS ARROW
21C7	⇇	LEFTWARDS PAIRED ARROWS
21C8	⇈	UPWARDS PAIRED ARROWS
21C9	⇉	RIGHTWARDS PAIRED ARROWS
21CA	⇊	DOWNWARDS PAIRED ARROWS
21CB	⇋	LEFTWARDS HARPOON OVER RIGHTWARDS HARPOON
21CC	⇌	RIGHTWARDS HARPOON OVER LEFTWARDS HARPOON

Double arrows

21CD	⇍	LEFTWARDS DOUBLE ARROW WITH STROKE
		• negation of 21D0 ⇐
		≡ 21D0 ⇐ 0338 $\not$
21CE	⇎	LEFT RIGHT DOUBLE ARROW WITH STROKE
		• negation of 21D4 ⇔
		≡ 21D4 ⇔ 0338 $\not$
21CF	⇏	RIGHTWARDS DOUBLE ARROW WITH STROKE
		• negation of 21D2 ⇒
		≡ 21D2 ⇒ 0338 $\not$
21D0	⇐	LEFTWARDS DOUBLE ARROW
21D1	⇑	UPWARDS DOUBLE ARROW
21D2	⇒	RIGHTWARDS DOUBLE ARROW
21D3	⇓	DOWNWARDS DOUBLE ARROW

21D4	⇔	LEFT RIGHT DOUBLE ARROW
21D5	⇕	UP DOWN DOUBLE ARROW
21D6	⇖	NORTH WEST DOUBLE ARROW
21D7	⇗	NORTH EAST DOUBLE ARROW
21D8	⇘	SOUTH EAST DOUBLE ARROW
21D9	⇙	SOUTH WEST DOUBLE ARROW

Miscellaneous arrows and keyboard symbols

21DA	⇚	LEFTWARDS TRIPLE ARROW
21DB	⇛	RIGHTWARDS TRIPLE ARROW
21DC	⇜	LEFTWARDS SQUIGGLE ARROW
		→ 2B33 ⬳ long leftwards squiggle arrow
21DD	⇝	RIGHTWARDS SQUIGGLE ARROW
21DE	⇞	UPWARDS ARROW WITH DOUBLE STROKE
		= page up
21DF	⇟	DOWNWARDS ARROW WITH DOUBLE STROKE
		= page down
21E0	⇠	LEFTWARDS DASHED ARROW
21E1	⇡	UPWARDS DASHED ARROW
21E2	⇢	RIGHTWARDS DASHED ARROW
21E3	⇣	DOWNWARDS DASHED ARROW
21E4	⇤	LEFTWARDS ARROW TO BAR
		= leftward tab
21E5	⇥	RIGHTWARDS ARROW TO BAR
		= rightward tab

White arrows and keyboard symbols

21E6	⇦	LEFTWARDS WHITE ARROW
		→ 2B00 ⬀ north east white arrow
21E7	⇧	UPWARDS WHITE ARROW
		= shift
		= level 2 select (ISO 9995-7)
21E8	⇨	RIGHTWARDS WHITE ARROW
		= group select (ISO 9995-7)
21E9	⇩	DOWNWARDS WHITE ARROW
21EA	⇪	UPWARDS WHITE ARROW FROM BAR
		= caps lock
21EB	⇫	UPWARDS WHITE ARROW ON PEDESTAL
		= level 2 lock
21EC	⇬	UPWARDS WHITE ARROW ON PEDESTAL WITH HORIZONTAL BAR
		= capitals (caps) lock
21ED	⇭	UPWARDS WHITE ARROW ON PEDESTAL WITH VERTICAL BAR
		= numeric lock
21EE	⇮	UPWARDS WHITE DOUBLE ARROW
		= level 3 select
21EF	⇯	UPWARDS WHITE DOUBLE ARROW ON PEDESTAL
		= level 3 lock
21F0	⇰	RIGHTWARDS WHITE ARROW FROM WALL
		= group lock
21F1	⇱	NORTH WEST ARROW TO CORNER
		= home
21F2	⇲	SOUTH EAST ARROW TO CORNER
		= end
21F3	⇳	UP DOWN WHITE ARROW
		= scrolling
		→ 2B04 ⬄ left right white arrow

Miscellaneous arrows

21F4	⇴	RIGHT ARROW WITH SMALL CIRCLE
		→ 2B30 ⬰ left arrow with small circle
21F5	⇵	DOWNWARDS ARROW LEFTWARDS OF UPWARDS ARROW

21F6	⇶	THREE RIGHTWARDS ARROWS
		→ 2B31 ⬱ three leftwards arrows
21F7	⇷	LEFTWARDS ARROW WITH VERTICAL STROKE
21F8	⇸	RIGHTWARDS ARROW WITH VERTICAL STROKE
		= z notation partial function
21F9	⇹	LEFT RIGHT ARROW WITH VERTICAL STROKE
		= z notation partial relation
21FA	⇺	LEFTWARDS ARROW WITH DOUBLE VERTICAL STROKE
21FB	⇻	RIGHTWARDS ARROW WITH DOUBLE VERTICAL STROKE
		= z notation finite function
21FC	⇼	LEFT RIGHT ARROW WITH DOUBLE VERTICAL STROKE
		= z notation finite relation
21FD	⇽	LEFTWARDS OPEN-HEADED ARROW
21FE	⇾	RIGHTWARDS OPEN-HEADED ARROW
21FF	⇿	LEFT RIGHT OPEN-HEADED ARROW

	2B0	2B1	2B2	2B3	2B4	2B5	2B6	2B7	2B8	2B9	2BA	2BB	2BC	2BD	2BE	2BF
0	2B00	2B10	2B20	2B30	2B40	2B50	2B60	2B70	2B80	2B90	2BA0	2BB0	2BC0	2BD0	2BE0	2BF0
1	2B01	2B11	2B21	2B31	2B41	2B51	2B61	2B71	2B81	2B91	2BA1	2BB1	2BC1	2BD1	2BE1	
2	2B02	2B12	2B22	2B32	2B42	2B52	2B62	2B72	2B82	2B92	2BA2	2BB2	2BC2	2BD2	2BE2	
3	2B03	2B13	2B23	2B33	2B43	2B53	2B63	2B73	2B83	2B93	2BA3	2BB3	2BC3		2BE3	
4	2B04	2B14	2B24	2B34	2B44	2B54	2B64	2B74	2B84		2BA4	2BB4	2BC4		2BE4	
5	2B05	2B15	2B25	2B35	2B45	2B55	2B65	2B75	2B85		2BA5	2BB5	2BC5		2BE5	
6	2B06	2B16	2B26	2B36	2B46	2B56	2B66	2B76	2B86		2BA6	2BB6	2BC6		2BE6	
7	2B07	2B17	2B27	2B37	2B47	2B57	2B67	2B77	2B87		2BA7	2BB7	2BC7		2BE7	
8	2B08	2B18	2B28	2B38	2B48	2B58	2B68	2B78	2B88		2BA8	2BB8	2BC8		2BE8	
9	2B09	2B19	2B29	2B39	2B49	2B59	2B69	2B79	2B89		2BA9	2BB9	2BC9		2BE9	
A	2B0A	2B1A	2B2A	2B3A	2B4A	2B5A	2B6A	2B7A	2B8A		2BAA	2BBA	2BCA		2BEA	
B	2B0B	2B1B	2B2B	2B3B	2B4B	2B5B	2B6B	2B7B	2B8B		2BAB		2BCB		2BEB	
C	2B0C	2B1C	2B2C	2B3C	2B4C	2B5C	2B6C	2B7C	2B8C		2BAC		2BCC		2BEC	
D	2B0D	2B1D	2B2D	2B3D	2B4D	2B5D	2B6D	2B7D	2B8D		2BAD		2BCD		2BED	
E	2B0E	2B1E	2B2E	2B3E	2B4E	2B5E	2B6E	2B7E	2B8E		2BAE	2BBE	2BCE		2BEE	
F	2B0F	2B1F	2B2F	2B3F	2B4F	2B5F	2B6F	2B7F	2B8F		2BAF	2BBF	2BCF		2BEF	

White and black arrows

Other white and black arrows to complete this set can be found in the Arrows and Dingbats blocks.

2B00	⬀	NORTH EAST WHITE ARROW
2B01	⬁	NORTH WEST WHITE ARROW
2B02	⬂	SOUTH EAST WHITE ARROW
2B03	⬃	SOUTH WEST WHITE ARROW
2B04	⬄	LEFT RIGHT WHITE ARROW
		→ 21E6 ⇦ leftwards white arrow
		→ 21F3 ⇳ up down white arrow

2B05 ⬅ LEFTWARDS BLACK ARROW
→ 27A1 ➡ black rightwards arrow
2B06 ⬆ UPWARDS BLACK ARROW
2B07 ⬇ DOWNWARDS BLACK ARROW
2B08 ⬈ NORTH EAST BLACK ARROW
2B09 ⬉ NORTH WEST BLACK ARROW
2B0A ⬊ SOUTH EAST BLACK ARROW
2B0B ⬋ SOUTH WEST BLACK ARROW
2B0C ⬌ LEFT RIGHT BLACK ARROW
2B0D ⬍ UP DOWN BLACK ARROW

Arrows with bent tips

Other arrows with bent tips to complete this set can be found in the Arrows block.

2B0E ⬎ RIGHTWARDS ARROW WITH TIP DOWNWARDS
2B0F ⬏ RIGHTWARDS ARROW WITH TIP UPWARDS
2B10 ⬐ LEFTWARDS ARROW WITH TIP DOWNWARDS
2B11 ⬑ LEFTWARDS ARROW WITH TIP UPWARDS

Squares

2B12 ⬒ SQUARE WITH TOP HALF BLACK
→ 25E7 ◧ square with left half black
2B13 ⬓ SQUARE WITH BOTTOM HALF BLACK
2B14 ⬔ SQUARE WITH UPPER RIGHT DIAGONAL HALF BLACK
2B15 ⬕ SQUARE WITH LOWER LEFT DIAGONAL HALF BLACK

Diamonds

2B16 ⬖ DIAMOND WITH LEFT HALF BLACK
2B17 ⬗ DIAMOND WITH RIGHT HALF BLACK
2B18 ⬘ DIAMOND WITH TOP HALF BLACK
2B19 ⬙ DIAMOND WITH BOTTOM HALF BLACK

Squares

2B1A ⬚ DOTTED SQUARE
2B1B ⬛ BLACK LARGE SQUARE
→ 25A0 ■ black square
2B1C ⬜ WHITE LARGE SQUARE
→ 25A1 □ white square
2B1D ⬝ BLACK VERY SMALL SQUARE
→ 25AA ▪ black small square
2B1E ⬞ WHITE VERY SMALL SQUARE
→ 25AB ▫ white small square

Pentagons

2B1F ⬟ BLACK PENTAGON
2B20 ⬠ WHITE PENTAGON

Hexagons

2B21 ⬡ WHITE HEXAGON
2B22 ⬢ BLACK HEXAGON
2B23 ⬣ HORIZONTAL BLACK HEXAGON

Circle

2B24 ⬤ BLACK LARGE CIRCLE
→ 25CF ● black circle
→ 25EF ◯ large circle
→ 1F534 🔴 large red circle

Diamonds and lozenges

2B25 ◆ BLACK MEDIUM DIAMOND
→ 25C6 ◆ black diamond
2B26 ◇ WHITE MEDIUM DIAMOND
→ 25C7 ◇ white diamond
→ 1F754 🜔 alchemical symbol for soap
2B27 ◆ BLACK MEDIUM LOZENGE
2B28 ◇ WHITE MEDIUM LOZENGE
→ 25CA ◊ lozenge
2B29 ◆ BLACK SMALL DIAMOND
→ 22C4 ⋄ diamond operator
→ 1F538 🔸 small orange diamond
2B2A ◦ BLACK SMALL LOZENGE
2B2B ◦ WHITE SMALL LOZENGE

Ellipses

2B2C ⬬ BLACK HORIZONTAL ELLIPSE
2B2D ⬭ WHITE HORIZONTAL ELLIPSE
2B2E ⬮ BLACK VERTICAL ELLIPSE
2B2F ⬯ WHITE VERTICAL ELLIPSE

Mathematical arrows

These provide the opposite direction complement for arrows for mathematical use not originally encoded in both a leftwards and rightwards direction.

2B30 ⬰ LEFT ARROW WITH SMALL CIRCLE
→ 21F4 ⇴ right arrow with small circle
2B31 ⬱ THREE LEFTWARDS ARROWS
→ 21F6 ⇶ three rightwards arrows
2B32 ⬲ LEFT ARROW WITH CIRCLED PLUS
→ 27F4 ⟴ right arrow with circled plus
2B33 ⬳ LONG LEFTWARDS SQUIGGLE ARROW
→ 27FF ⟿ long rightwards squiggle arrow
→ 21DC ⇜ leftwards squiggle arrow
2B34 ⬴ LEFTWARDS TWO-HEADED ARROW WITH VERTICAL STROKE
→ 2900 ⤀ rightwards two-headed arrow with vertical stroke
2B35 ⬵ LEFTWARDS TWO-HEADED ARROW WITH DOUBLE VERTICAL STROKE
→ 2901 ⤁ rightwards two-headed arrow with double vertical stroke
2B36 ⬶ LEFTWARDS TWO-HEADED ARROW FROM BAR
→ 2905 ⤅ rightwards two-headed arrow from bar
2B37 ⬷ LEFTWARDS TWO-HEADED TRIPLE DASH ARROW
→ 2910 ⤐ rightwards two-headed triple dash arrow
2B38 ⬸ LEFTWARDS ARROW WITH DOTTED STEM
→ 2911 ⤑ rightwards arrow with dotted stem
2B39 ⬹ LEFTWARDS ARROW WITH TAIL WITH VERTICAL STROKE
→ 2914 ⤔ rightwards arrow with tail with vertical stroke
2B3A ⬺ LEFTWARDS ARROW WITH TAIL WITH DOUBLE VERTICAL STROKE
→ 2915 ⤕ rightwards arrow with tail with double vertical stroke

2B3B	↤	LEFTWARDS TWO-HEADED ARROW WITH TAIL
		→ 2916 ↠ rightwards two-headed arrow with tail
2B3C	↞	LEFTWARDS TWO-HEADED ARROW WITH TAIL WITH VERTICAL STROKE
		→ 2917 ↠ rightwards two-headed arrow with tail with vertical stroke
2B3D	↞	LEFTWARDS TWO-HEADED ARROW WITH TAIL WITH DOUBLE VERTICAL STROKE
		→ 2918 ↠ rightwards two-headed arrow with tail with double vertical stroke
2B3E	↞	LEFTWARDS ARROW THROUGH X
		→ 2947 ↠ rightwards arrow through x
2B3F	↜	WAVE ARROW POINTING DIRECTLY LEFT
		→ 2933 ↝ wave arrow pointing directly right
		→ 219C ↜ leftwards wave arrow
2B40	⇐	EQUALS SIGN ABOVE LEFTWARDS ARROW
		→ 2971 ⇒ equals sign above rightwards arrow
2B41	⇐	REVERSE TILDE OPERATOR ABOVE LEFTWARDS ARROW
		• mirror image of "⇒"
		→ 2972 ⇒ tilde operator above rightwards arrow
2B42	⇐	LEFTWARDS ARROW ABOVE REVERSE ALMOST EQUAL TO
		• mirror image of "⇒"
		→ 2975 ⇒ rightwards arrow above almost equal to
2B43	⇾	RIGHTWARDS ARROW THROUGH GREATER-THAN
		• mirror image of "↚"
		→ 2977 ↚ leftwards arrow through less-than
2B44	⇾	RIGHTWARDS ARROW THROUGH SUPERSET
		• mirror image of "↚"
		→ 297A ↚ leftwards arrow through subset
2B45	⇚	LEFTWARDS QUADRUPLE ARROW
		→ 27F0 ⇑ upwards quadruple arrow
2B46	⇛	RIGHTWARDS QUADRUPLE ARROW
2B47	⇒	REVERSE TILDE OPERATOR ABOVE RIGHTWARDS ARROW
2B48	⇒	RIGHTWARDS ARROW ABOVE REVERSE ALMOST EQUAL TO
2B49	⇐	TILDE OPERATOR ABOVE LEFTWARDS ARROW
2B4A	⇐	LEFTWARDS ARROW ABOVE ALMOST EQUAL TO
2B4B	⇐	LEFTWARDS ARROW ABOVE REVERSE TILDE OPERATOR
		• mirror image of "⇒"
		→ 2974 ⇒ rightwards arrow above tilde operator
2B4C	⇒	RIGHTWARDS ARROW ABOVE REVERSE TILDE OPERATOR
		• mirror image of "⇐"
		→ 2973 ⇐ leftwards arrow above tilde operator

Triangle-headed zigzag arrow

2B4D	↯	DOWNWARDS TRIANGLE-HEADED ZIGZAG ARROW
		= w-3055
		→ 21AF ↯ downwards zigzag arrow

Intonation marks for Lithuanian dialectology

2B4E	↗	SHORT SLANTED NORTH ARROW
		• slight rise in tone
2B4F	↘	SHORT BACKSLANTED SOUTH ARROW
		• slight fall or overall fall in tone when at the end of a word or at the beginning of a phrase respectively

Stars

2B50	⭐	WHITE MEDIUM STAR
		→ 22C6 ⋆ star operator
2B51	★	BLACK SMALL STAR
		→ 066D ٭ arabic five pointed star
2B52	☆	WHITE SMALL STAR

Pentagons

2B53	⬠	BLACK RIGHT-POINTING PENTAGON
2B54	⬡	WHITE RIGHT-POINTING PENTAGON

Traffic sign from ARIB STD B24

2B55	◯	HEAVY LARGE CIRCLE
		= basic symbol for speed limit
		• forms a game tally pair with 274C ✖
		→ 25EF ◯ large circle

Dictionary and map symbols from ARIB STD B24

2B56	◎	HEAVY OVAL WITH OVAL INSIDE
		= prefectural office
2B57	◎	HEAVY CIRCLE WITH CIRCLE INSIDE
		= municipal office
		→ 25CE ◎ bullseye
2B58	◯	HEAVY CIRCLE
		= town or village office
		→ 25CB ◯ white circle
2B59	⊗	HEAVY CIRCLED SALTIRE
		= police station
		→ 2A02 ⊗ n-ary circled times operator

Intonation marks for Lithuanian dialectology

2B5A	↗	SLANTED NORTH ARROW WITH HOOKED HEAD
		• increasing tone with falling trend at the end
2B5B	↘	BACKSLANTED SOUTH ARROW WITH HOOKED TAIL
		• sharp rise and fall in tone
2B5C	↗	SLANTED NORTH ARROW WITH HORIZONTAL TAIL
		• continued rise in tone
2B5D	↘	BACKSLANTED SOUTH ARROW WITH HORIZONTAL TAIL
		• continued fall in tone
2B5E	↳	BENT ARROW POINTING DOWNWARDS THEN NORTH EAST
		• sharp fall in tone with rising trend at the end
2B5F	↳	SHORT BENT ARROW POINTING DOWNWARDS THEN NORTH EAST
		• slight fall in tone with rising trend at the end

Simple triangle-headed arrows

2B60	←	LEFTWARDS TRIANGLE-HEADED ARROW
		= w-3033
		→ 2190 ← leftwards arrow
2B61	↑	UPWARDS TRIANGLE-HEADED ARROW
		= w-3035
		→ 2191 ↑ upwards arrow
2B62	→	RIGHTWARDS TRIANGLE-HEADED ARROW
		= w-3034
		→ 279D → triangle-headed rightwards arrow
		→ 2192 → rightwards arrow
2B63	↓	DOWNWARDS TRIANGLE-HEADED ARROW
		= w-3036
		→ 2193 ↓ downwards arrow
2B64	↔	LEFT RIGHT TRIANGLE-HEADED ARROW
		= w-3049
		→ 2194 ↔ left right arrow

2B65	↕	UP DOWN TRIANGLE-HEADED ARROW
		= w-3050
		→ 2195 ↕ up down arrow
2B66	↖	NORTH WEST TRIANGLE-HEADED ARROW
		= w-3037
		→ 2196 ↖ north west arrow
2B67	↗	NORTH EAST TRIANGLE-HEADED ARROW
		= w-3038
		→ 2197 ↗ north east arrow
2B68	↘	SOUTH EAST TRIANGLE-HEADED ARROW
		= w-3040
		→ 2198 ↘ south east arrow
2B69	↙	SOUTH WEST TRIANGLE-HEADED ARROW
		= w-3039
		→ 2199 ↙ south west arrow

Triangle-headed dashed arrows

2B6A	⇠	LEFTWARDS TRIANGLE-HEADED DASHED ARROW
		= w-3051
		→ 21E0 ⇠ leftwards dashed arrow
2B6B	⇡	UPWARDS TRIANGLE-HEADED DASHED ARROW
		= w-3053
		→ 21E1 ⇡ upwards dashed arrow
2B6C	⇢	RIGHTWARDS TRIANGLE-HEADED DASHED ARROW
		= w-3052
		→ 21E2 ⇢ rightwards dashed arrow
2B6D	⇣	DOWNWARDS TRIANGLE-HEADED DASHED ARROW
		= w-3054
		→ 21E3 ⇣ downwards dashed arrow

Triangle-headed open circle arrows

2B6E	↻	CLOCKWISE TRIANGLE-HEADED OPEN CIRCLE ARROW
		= w-3080
		→ 21BB ↻ clockwise open circle arrow
2B6F	↺	ANTICLOCKWISE TRIANGLE-HEADED OPEN CIRCLE ARROW
		= w-3081
		→ 21BA ↺ anticlockwise open circle arrow

Triangle-headed arrows to bar

2B70	⇤	LEFTWARDS TRIANGLE-HEADED ARROW TO BAR
		= w-3041
		= left tab
		→ 21E4 ⇤ leftwards arrow to bar
2B71	⤒	UPWARDS TRIANGLE-HEADED ARROW TO BAR
		= w-3043
		= up tab
		→ 2912 ⤒ upwards arrow to bar
2B72	⇥	RIGHTWARDS TRIANGLE-HEADED ARROW TO BAR
		= w-3042
		= right tab
		→ 21E5 ⇥ rightwards arrow to bar
2B73	⤓	DOWNWARDS TRIANGLE-HEADED ARROW TO BAR
		= w-3044
		= down tab
		→ 2913 ⤓ downwards arrow to bar
2B74	⇹	LEFT RIGHT TRIANGLE-HEADED ARROW TO BAR
2B75	↨	UP DOWN TRIANGLE-HEADED ARROW TO BAR

2B76	↖	NORTH WEST TRIANGLE-HEADED ARROW TO BAR
		= w-3045
		= home
2B77	↗	NORTH EAST TRIANGLE-HEADED ARROW TO BAR
2B78	↘	SOUTH EAST TRIANGLE-HEADED ARROW TO BAR
		= w-3046
		= end
2B79	↙	SOUTH WEST TRIANGLE-HEADED ARROW TO BAR

Triangle-headed arrows with double horizontal stroke

2B7A	⇷	LEFTWARDS TRIANGLE-HEADED ARROW WITH DOUBLE HORIZONTAL STROKE
2B7B	⇡	UPWARDS TRIANGLE-HEADED ARROW WITH DOUBLE HORIZONTAL STROKE
		= w-3047
		= page up
2B7C	⇸	RIGHTWARDS TRIANGLE-HEADED ARROW WITH DOUBLE HORIZONTAL STROKE
2B7D	⇣	DOWNWARDS TRIANGLE-HEADED ARROW WITH DOUBLE HORIZONTAL STROKE
		= w-3048
		= page down

Paired triangle-headed arrows

2B7E	⇆	HORIZONTAL TAB KEY
		= w-3070
2B7F	⇅	VERTICAL TAB KEY
		= w-3071
2B80	⇆	LEFTWARDS TRIANGLE-HEADED ARROW OVER RIGHTWARDS TRIANGLE-HEADED ARROW
		= w-3068
		→ 21C6 ⇆ leftwards arrow over rightwards arrow
2B81	↿⇂	UPWARDS TRIANGLE-HEADED ARROW LEFTWARDS DOWNWARDS OF TRIANGLE-HEADED ARROW
2B82	⇄	RIGHTWARDS TRIANGLE-HEADED ARROW OVER LEFTWARDS TRIANGLE-HEADED ARROW
2B83	⇂↿	DOWNWARDS TRIANGLE-HEADED ARROW LEFTWARDS OF UPWARDS TRIANGLE-HEADED ARROW
		= w-3069
		→ 21C6 ⇆ leftwards arrow over rightwards arrow
2B84	⇇	LEFTWARDS TRIANGLE-HEADED PAIRED ARROWS
		= w-3072
		→ 21C7 ⇇ leftwards paired arrows
2B85	⇈	UPWARDS TRIANGLE-HEADED PAIRED ARROWS
		= w-3074
		→ 21C8 ⇈ upwards paired arrows
2B86	⇉	RIGHTWARDS TRIANGLE-HEADED PAIRED ARROWS
		= w-3073
		→ 21C9 ⇉ rightwards paired arrows
2B87	⇊	DOWNWARDS TRIANGLE-HEADED PAIRED ARROWS
		= w-3075
		→ 21CA ⇊ downwards paired arrows

Circled arrows

2B88	⮐	LEFTWARDS BLACK CIRCLED WHITE ARROW
		= w-1219
2B89	⮁	UPWARDS BLACK CIRCLED WHITE ARROW
		= w-1221

2B8A	⭢	RIGHTWARDS BLACK CIRCLED WHITE ARROW
		= w-1220
		→ 27B2 ⮒ circled heavy white rightwards arrow
2B8B	⭣	DOWNWARDS BLACK CIRCLED WHITE ARROW
		= w-1222

Triangle-headed u-shaped arrows

2B8C	↺	ANTICLOCKWISE TRIANGLE-HEADED RIGHT U-SHAPED ARROW
		= w-3079
2B8D	↻	ANTICLOCKWISE TRIANGLE-HEADED BOTTOM U-SHAPED ARROW
		= w-3077
2B8E	↳	ANTICLOCKWISE TRIANGLE-HEADED LEFT U-SHAPED ARROW
		= w-3078
2B8F	↰	ANTICLOCKWISE TRIANGLE-HEADED TOP U-SHAPED ARROW
		= w-3076
		→ 21B6 ↶ anticlockwise top semicircle arrow

Keyboard symbols

2B90	↵	RETURN LEFT
		= w-3064
		→ 23CE ⏎ return symbol
2B91	↳	RETURN RIGHT
		= w-3065
2B92	⇄	NEWLINE LEFT
		= w-3066
2B93	⇤	NEWLINE RIGHT
		= w-3067

Triangle-headed arrows with bent tips

2BA0	↵	DOWNWARDS TRIANGLE-HEADED ARROW WITH LONG TIP LEFTWARDS
		= w-3056
		→ 21B2 ↲ downwards arrow with tip leftwards
2BA1	↳	DOWNWARDS TRIANGLE-HEADED ARROW WITH LONG TIP RIGHTWARDS
		= w-3057
		→ 21B3 ↳ downwards arrow with tip rightwards
2BA2	↰	UPWARDS TRIANGLE-HEADED ARROW WITH LONG TIP LEFTWARDS
		= w-3058
		→ 21B0 ↰ upwards arrow with tip leftwards
2BA3	↱	UPWARDS TRIANGLE-HEADED ARROW WITH LONG TIP RIGHTWARDS
		= w-3059
		→ 21B1 ↱ upwards arrow with tip rightwards
2BA4	⌐	LEFTWARDS TRIANGLE-HEADED ARROW WITH LONG TIP UPWARDS
		= w-3060
		→ 2B11 ⬑ leftwards arrow with tip upwards
2BA5	⌐	RIGHTWARDS TRIANGLE-HEADED ARROW WITH LONG TIP UPWARDS
		= w-3061
		→ 2B0F ⬏ rightwards arrow with tip upwards
2BA6	⌐	LEFTWARDS TRIANGLE-HEADED ARROW WITH LONG TIP DOWNWARDS
		= w-3062
		→ 2B10 ⬐ leftwards arrow with tip downwards
2BA7	⌐	RIGHTWARDS TRIANGLE-HEADED ARROW WITH LONG TIP DOWNWARDS
		= w-3063
		→ 2B0E ⬎ rightwards arrow with tip downwards

Black curved arrows

2BA8	↩	BLACK CURVED DOWNWARDS AND LEFTWARDS ARROW
		= w-3201
2BA9	↪	BLACK CURVED DOWNWARDS AND RIGHTWARDS ARROW
		= w-3202
		→ 27A5 ➥ heavy black curved downwards and rightwards arrow
2BAA	↩	BLACK CURVED UPWARDS AND LEFTWARDS ARROW
		= w-3203
2BAB	↪	BLACK CURVED UPWARDS AND RIGHTWARDS ARROW
		= w-3204
		→ 27A6 ➦ heavy black curved upwards and rightwards arrow
2BAC	↟	BLACK CURVED LEFTWARDS AND UPWARDS ARROW
		= w-3205
2BAD	↟	BLACK CURVED RIGHTWARDS AND UPWARDS ARROW
		= w-3206
2BAE	↡	BLACK CURVED LEFTWARDS AND DOWNWARDS ARROW
		= w-3207
2BAF	↡	BLACK CURVED RIGHTWARDS AND DOWNWARDS ARROW
		= w-3208

Ribbon arrows

2BB0	⭢	RIBBON ARROW DOWN LEFT
		= w-1195
2BB1	⭢	RIBBON ARROW DOWN RIGHT
		= w-1196
2BB2	⭢	RIBBON ARROW UP LEFT
		= w-1197
2BB3	⭢	RIBBON ARROW UP RIGHT
		= w-1198
2BB4	⭢	RIBBON ARROW LEFT UP
		= w-1199
2BB5	⭢	RIBBON ARROW RIGHT UP
		= w-1200
2BB6	⭢	RIBBON ARROW LEFT DOWN
		= w-1201
2BB7	⭢	RIBBON ARROW RIGHT DOWN
		= w-1202

Keyboard symbols

2BB8	⇧	UPWARDS WHITE RECTANGULAR ARROW FROM BAR
		= w-3088
		= caps lock
		• may also be a shift lock
		→ 21EA ⇪ upwards white arrow from bar
2BB9	⇧	UPWARDS WHITE RECTANGULAR ARROW FROM BAR WITH HORIZONTAL BAR
		= w-3089
		= caps lock
		→ 21EC ⇮ upwards white arrow on pedestal with horizontal bar

Miscellaneous arrow symbol

2BBA	⟳	FOUR CORNER ARROWS CIRCLING ANTICLOCKWISE
		= w-0096
		= loop

White rectangular arrow shaft

Vertical alignment and thickness compatible with white arrows

2BBE	▫	WHITE RECTANGULAR ARROW SHAFT WIDTH ONE
		= w-1249
2BBF	▫	WHITE RECTANGULAR ARROW SHAFT WIDTH TWO THIRDS
		= w-1250

Centred geometric shapes

2BC0	■	BLACK SQUARE CENTRED
		= w-2190
2BC1	◆	BLACK DIAMOND CENTRED
		= w-2191
2BC2	⬟	TURNED BLACK PENTAGON
		= w-2193
2BC3	⬣	HORIZONTAL BLACK OCTAGON
		= w-2196
		= black octagon 1
2BC4	⬤	BLACK OCTAGON
		= w-2197
		= black octagon 2
2BC5	▲	BLACK MEDIUM UP-POINTING TRIANGLE CENTRED
		= w-3129
2BC6	▼	BLACK MEDIUM DOWN-POINTING TRIANGLE CENTRED
		= w-3130
2BC7	◀	BLACK MEDIUM LEFT-POINTING TRIANGLE CENTRED
		= w-3131
2BC8	▶	BLACK MEDIUM RIGHT-POINTING TRIANGLE CENTRED
		= w-3132

Miscellaneous symbol

2BC9	▟	CHECKER BOARD
		= w-0046
		→ 259E ▟ quadrant upper right and lower left

Half circles

2BCA	⬤	TOP HALF BLACK CIRCLE
		= w-2188
2BCB	⬤	BOTTOM HALF BLACK CIRCLE
		= w-2189

Cusp shapes

2BCC	✧	LIGHT FOUR POINTED BLACK CUSP
		= w-2246
		→ 2726 ◆ black four pointed star
2BCD	⋈	ROTATED LIGHT FOUR POINTED BLACK CUSP
		= w-2247
2BCE	✦	WHITE FOUR POINTED CUSP
		= w-1178
		→ 2727 ✧ white four pointed star
2BCF	✖	ROTATED WHITE FOUR POINTED CUSP
		= w-1179
		→ 2311 ▫ square lozenge

Shadowed geometric shapes

2BD0	◯	LOWER RIGHT SHADOWED WHITE CIRCLE
		= w-1109
		= circle shadow down
		→ 274D ◯ shadowed white circle

2BD1	◯	UPPER RIGHT SHADOWED WHITE CIRCLE
		= w-1166
		→ 274D ◯ shadowed white circle

Oval shape

2BD2	⬬	LEFT SHADOWED BLACK OVAL
		= w-0212
		= hole

Keyboard symbol

2BE0	⊠	UP ARROWHEAD IN A RECTANGLE BOX
		= w-1121
		= escape
		→ 2353 ⍐ apl functional symbol quad up caret

Ballot symbols

2BE1	✗	BALLOT SCRIPT X
		= x mark
		= w-2079
2BE2	☒	BALLOT BOX WITH SCRIPT X
		= box x mark
		= w-2081
2BE3	✗	BALLOT BOLD SCRIPT X
		= x mark bold
		→ 2717 ✗ ballot x
		= w-1251
2BE4	☒	BALLOT BOX WITH BOLD SCRIPT X
		= box x mark bold
		= w-1253
2BE5	☒	BALLOT BOX WITH LIGHT X
		= box x
		= w-2083
		→ 2612 ☒ ballot box with x
2BE6	⊗	CIRCLED X
		= w-2085
		→ 2297 ⊗ circled times
2BE7	⊗	CIRCLED BOLD X
		= circled x bold
		= w-2086
2BE8	⦸	CIRCLED REVERSE LIGHT SOLIDUS
		= prohibit
		= w-2087
2BE9	✓	LIGHT CHECK MARK
		= check
		= w-2080
2BEA	☑	BALLOT BOX WITH BOLD CHECK
		= box mark bold
		= w-1254

Position indicator

2BEB	⊞	SQUARE POSITION INDICATOR
		= w-1176
		= register square
		→ 2316 ⊕ position indicator

Three-rays symbols

2BEC	⇜	THREE RAYS ABOVE
		= w-0237
2BED	⇝	THREE RAYS BELOW
		= w-0238
2BEE	⋛	THREE RAYS LEFT
		= w-0239
		→ 269E ⋛ three lines converging right
2BEF	⋚	THREE RAYS RIGHT
		= w-0240
		→ 269F ⋚ three lines converging left

Diamond shape

2BF0 ◈ UNCERTAINTY SIGN
       = w-1180
       = query
       → 2370 ? apl functional symbol quad question
       → FFFD � replacement character

	FE2
0	FE20
1	FE21
2	FE22
3	FE23
4	FE24
5	FE25
6	FE26
7	FE27
8	FE28
9	FE29
A	FE2A
B	FE2B
C	FE2C
D	FE2D
E	
F	

Combining half marks

FE20　◌　COMBINING LIGATURE LEFT HALF
FE21　◌　COMBINING LIGATURE RIGHT HALF
→ 0361 ◌ combining double inverted breve
FE22　◌　COMBINING DOUBLE TILDE LEFT HALF
FE23　◌　COMBINING DOUBLE TILDE RIGHT HALF
→ 0360 ◌ combining double tilde

Continuous macrons for Coptic

These are used in combinations to represent continuous macrons over a sequence of Coptic letters.

FE24　◌　COMBINING MACRON LEFT HALF
FE25　◌　COMBINING MACRON RIGHT HALF
FE26　◌　COMBINING CONJOINING MACRON
→ 0304 ◌ combining macron
→ 035E ◌ combining double macron

Combining half marks below

These are used in combinations to represent ligature, tilde, and macron that extend below more than two characters

FE27　◌　COMBINING LIGATURE LEFT HALF BELOW
FE28　◌　COMBINING LIGATURE RIGHT HALF BELOW
→ 035C ◌ combining double breve below
FE29　◌　COMBINING TILDE LEFT HALF BELOW
FE2A　◌　COMBINING TILDE RIGHT HALF BELOW
FE2B　◌　COMBINING MACRON LEFT HALF BELOW
FE2C　◌　COMBINING MACRON RIGHT HALF BELOW
FE2D　◌　COMBINING CONJOINING MACRON BELOW

	11AC	11AD	11AE	11AF
0	ⴳ 11AC0	ⴰ 11AD0	ⴳ 11AE0	: 11AF0
1	ⴰ 11AC1	Z 11AD1	∩ 11AE1	� 11AF1
2	C 11AC2	? 11AD2	P 11AE2	⇒ 11AF2
3	Θ 11AC3	h 11AD3	ⴰ 11AE3	↓ 11AF3
4	B 11AC4	Ӈ 11AD4	O 11AE4	↓: 11AF4
5	U 11AC5	γ 11AD5	I 11AE5	↓⁝ 11AF5
6	∩ 11AC6	Ƨ 11AD6	I· 11AE6	⫲ 11AF6
7	Ƨ 11AC7	ⴖ 11AD7	I: 11AE7	⫲: 11AF7
8	ə 11AC8	A 11AD8	‖ 11AE8	⫲⁝ 11AF8
9	Ƴ 11AC9	d 11AD9	‖· 11AE9	
A	Ӿ 11ACA	ⴹ 11ADA	‖: 11AEA	
B	e 11ACB	Λ 11ADB	ⴀ 11AEB	
C	Ɛ 11ACC	ꞷ 11ADC	ⴀ: 11AEC	
D	И 11ACD	T 11ADD	ⴖ 11AED	
E	L 11ACE	Ӈ 11ADE	ⴖ: 11AEE	
F	Ꝉ 11ACF	V 11ADF	· 11AEF	

Consonants

11AC0	Ɠ	PAU CIN HAU LETTER PA
11AC1	Ɗ	PAU CIN HAU LETTER KA
11AC2	C	PAU CIN HAU LETTER LA
11AC3	Ɵ	PAU CIN HAU LETTER MA
11AC4	Ᏼ	PAU CIN HAU LETTER DA
11AC5	Ʊ	PAU CIN HAU LETTER ZA
11AC6	Ո	PAU CIN HAU LETTER VA
11AC7	Ƨ	PAU CIN HAU LETTER NGA
11AC8	Ə	PAU CIN HAU LETTER HA
11AC9	Ր	PAU CIN HAU LETTER GA
11ACA	Ӽ	PAU CIN HAU LETTER KHA
11ACB	е	PAU CIN HAU LETTER SA
11ACC	Ɛ	PAU CIN HAU LETTER BA
11ACD	И	PAU CIN HAU LETTER CA
11ACE	L	PAU CIN HAU LETTER TA
11ACF	Ɠ	PAU CIN HAU LETTER THA
11AD0	Ⅸ	PAU CIN HAU LETTER NA
11AD1	Z	PAU CIN HAU LETTER PHA
11AD2	Ɂ	PAU CIN HAU LETTER RA
11AD3	һ	PAU CIN HAU LETTER FA
11AD4	Ⱨ	PAU CIN HAU LETTER CHA

Vowels

11AD5	Ɣ	PAU CIN HAU LETTER A
11AD6	Ƨ	PAU CIN HAU LETTER E
11AD7	∩	PAU CIN HAU LETTER I
11AD8	A	PAU CIN HAU LETTER O
11AD9	ԁ	PAU CIN HAU LETTER U
11ADA	Ⴔ	PAU CIN HAU LETTER UA
11ADB	Λ	PAU CIN HAU LETTER IA

Final consonants

11ADC	Ʋ	PAU CIN HAU LETTER FINAL P
11ADD	T	PAU CIN HAU LETTER FINAL K
11ADE	Ⱨ	PAU CIN HAU LETTER FINAL T
11ADF	V	PAU CIN HAU LETTER FINAL M
11AE0	Ꮹ	PAU CIN HAU LETTER FINAL N
11AE1	∩	PAU CIN HAU LETTER FINAL L
11AE2	Ρ	PAU CIN HAU LETTER FINAL W
11AE3	₹	PAU CIN HAU LETTER FINAL NG
11AE4	O	PAU CIN HAU LETTER FINAL Y

Tone marks

11AE5	ı	PAU CIN HAU RISING TONE LONG
11AE6	ı·	PAU CIN HAU RISING TONE
11AE7	ı:	PAU CIN HAU SANDHI GLOTTAL STOP
11AE8	‖	PAU CIN HAU RISING TONE LONG FINAL
11AE9	‖·	PAU CIN HAU RISING TONE FINAL
11AEA	‖:	PAU CIN HAU SANDHI GLOTTAL STOP FINAL
11AEB	ſ	PAU CIN HAU SANDHI TONE LONG
11AEC	ſ:	PAU CIN HAU SANDHI TONE
11AED	ℳ	PAU CIN HAU SANDHI TONE LONG FINAL
11AEE	ℳ:	PAU CIN HAU SANDHI TONE FINAL
11AEF	·	PAU CIN HAU MID-LEVEL TONE
11AF0	:	PAU CIN HAU GLOTTAL STOP VARIANT
11AF1	⇉	PAU CIN HAU MID-LEVEL TONE LONG FINAL
11AF2	⇉	PAU CIN HAU MID-LEVEL TONE FINAL
11AF3	↓	PAU CIN HAU LOW-FALLING TONE LONG
11AF4	↓·	PAU CIN HAU LOW-FALLING TONE
11AF5	↓:	PAU CIN HAU GLOTTAL STOP
11AF6	Ⱳ	PAU CIN HAU LOW-FALLING TONE LONG FINAL

11AF7	Ⱳ·	PAU CIN HAU LOW-FALLING TONE FINAL
11AF8	Ⱳ:	PAU CIN HAU GLOTTAL STOP FINAL

	1F30	1F31	1F32	1F33	1F34	1F35	1F36	1F37	1F38	1F39	1F3A	1F3B	1F3C	1F3D	1F3E	1F3F
0	1F300	1F310	1F320	1F330	1F340	1F350	1F360	1F370	1F380	1F390	1F3A0	1F3B0	1F3C0	1F3D0	1F3E0	1F3F0
1	1F301	1F311	1F321	1F331	1F341	1F351	1F361	1F371	1F381	1F391	1F3A1	1F3B1	1F3C1	1F3D1	1F3E1	1F3F1
2	1F302	1F312	1F322	1F332	1F342	1F352	1F362	1F372	1F382	1F392	1F3A2	1F3B2	1F3C2	1F3D2	1F3E2	1F3F2
3	1F303	1F313	1F323	1F333	1F343	1F353	1F363	1F373	1F383	1F393	1F3A3	1F3B3	1F3C3	1F3D3	1F3E3	1F3F3
4	1F304	1F314	1F324	1F334	1F344	1F354	1F364	1F374	1F384	1F394	1F3A4	1F3B4	1F3C4	1F3D4	1F3E4	1F3F4
5	1F305	1F315	1F325	1F335	1F345	1F355	1F365	1F375	1F385	1F395	1F3A5	1F3B5	1F3C6	1F3D5	1F3E5	1F3F5
6	1F306	1F316	1F326	1F336	1F346	1F356	1F366	1F376	1F386	1F396	1F3A6	1F3B6	1F3C6	1F3D6	1F3E6	1F3F6
7	1F307	1F317	1F327	1F337	1F347	1F357	1F367	1F377	1F387	1F397	1F3A7	1F3B7	1F3C7	1F3D7	1F3E7	1F3F7
8	1F308	1F318	1F328	1F338	1F348	1F358	1F368	1F378	1F388	1F398	1F3A8	1F3B8	1F3C8	1F3D8	1F3E8	1F3F8
9	1F309	1F319	1F329	1F339	1F349	1F359	1F369	1F379	1F389	1F399	1F3A9	1F3B9	1F3C9	1F3D9	1F3E9	
A	1F30A	1F31A	1F32A	1F33A	1F34A	1F35A	1F36A	1F37A	1F38A	1F39A	1F3AA	1F3BA	1F3CA	1F3DA	1F3EA	
B	1F30B	1F31B	1F32B	1F33B	1F34B	1F35B	1F36B	1F37B	1F38B	1F39B	1F3AB	1F3BB	1F3CB	1F3DB	1F3EB	
C	1F30C	1F31C	1F32C	1F33C	1F34C	1F35C	1F36C	1F37C	1F38C	1F39C	1F3AC	1F3BC	1F3CC	1F3DC	1F3EC	1F3FC
D	1F30D	1F31D	1F32D	1F33D	1F34D	1F35D	1F36D	1F37D	1F38D	1F39D	1F3AD	1F3BD	1F3CD	1F3DD	1F3ED	1F3FD
E	1F30E	1F31E		1F33E	1F34E	1F35E	1F36E		1F38E	1F39E	1F3AE	1F3BE	1F3CE	1F3DE	1F3EE	1F3FE
F	1F30F	1F31F		1F33F	1F34F	1F35F	1F36F	1F37F	1F38F	1F39F	1F3AF	1F3BF	1F3CF	1F3DF	1F3EF	1F3FF

	1F40	1F41	1F42	1F43	1F44	1F45	1F46	1F47	1F48	1F49	1F4A	1F4B	1F4C	1F4D	1F4E	1F4F
0	1F400	1F410	1F420	1F430	1F440	1F450	1F460	1F470	1F480	1F490	1F4A0	1F4B0	1F4C0	1F4D0	1F4E0	1F4F0
1	1F401	1F411	1F421	1F431	1F441	1F451	1F461	1F471	1F481	1F491	1F4A1	1F4B1	1F4C1	1F4D1	1F4E1	1F4F1
2	1F402	1F412	1F422	1F432	1F442	1F452	1F462	1F472	1F482	1F492	1F4A2	1F4B2	1F4C2	1F4D2	1F4E2	1F4F2
3	1F403	1F413	1F423	1F433	1F443	1F453	1F463	1F473	1F483	1F493	1F4A3	1F4B3	1F4C3	1F4D3	1F4E3	1F4F3
4	1F404	1F414	1F424	1F434	1F444	1F454	1F464	1F474	1F484	1F494	1F4A4	1F4B4	1F4C4	1F4D4	1F4E4	1F4F4
5	1F405	1F415	1F425	1F435	1F445	1F455	1F465	1F475	1F485	1F495	1F4A5	1F4B5	1F4C5	1F4D5	1F4E5	1F4F5
6	1F406	1F416	1F426	1F436	1F446	1F456	1F466	1F476	1F486	1F496	1F4A6	1F4B6	1F4C6	1F4D6	1F4E6	1F4F6
7	1F407	1F417	1F427	1F437	1F447	1F457	1F467	1F477	1F487	1F497	1F4A7	1F4B7	1F4C7	1F4D7	1F4E7	1F4F7
8	1F408	1F418	1F428	1F438	1F448	1F458	1F468	1F478	1F488	1F498	1F4A8	1F4B8	1F4C8	1F4D8	1F4E8	
9	1F409	1F419	1F429	1F439	1F449	1F459	1F469	1F479	1F489	1F499	1F4A9	1F4B9	1F4C9	1F4D9	1F4E9	1F4F9
A	1F40A	1F41A	1F42A	1F43A	1F44A	1F45A	1F46A	1F47A	1F48A	1F49A	1F4AA	1F4BA	1F4CA	1F4DA	1F4EA	1F4FA
B	1F40B	1F41B	1F42B	1F43B	1F44B	1F45B	1F46B	1F47B	1F48B	1F49B	1F4AB	1F4BB	1F4CB	1F4DB	1F4EB	1F4FB
C	1F40C	1F41C	1F42C	1F43C	1F44C	1F45C	1F46C	1F47C	1F48C	1F49C	1F4AC	1F4BC	1F4CC	1F4DC	1F4EC	1F4FC
D	1F40D	1F41D	1F42D	1F43D	1F44D	1F45D	1F46D	1F47D	1F48D	1F49D	1F4AD	1F4BD	1F4CD	1F4DD	1F4ED	1F4FD
E	1F40E	1F41E	1F42E	1F43E	1F44E	1F45E	1F46E	1F47E	1F48E	1F49E	1F4AE	1F4BE	1F4CE	1F4DE	1F4EE	1F4FE
F	1F40F	1F41F	1F42F		1F44F	1F45F	1F46F	1F47F	1F48F	1F49F	1F4AF	1F4BF	1F4CF	1F4DF	1F4EF	1F4FF

	1F50	1F51	1F52	1F53	1F54	1F55	1F56	1F57	1F58	1F59	1F5A	1F5B	1F5C	1F5D	1F5E	1F5F
0	1F500	1F510	1F520	1F530	1F540	1F550	1F560	1F570	1F580	1F590	1F5A0	1F5B0	1F5C0	1F5D0	1F5E0	1F5F0
1	1F501	1F511	1F521	1F531	1F541	1F551	1F561	1F571	1F581	1F591	1F5A1	1F5B1	1F5C1	1F5D1	1F5E1	1F5F1
2	1F502	1F512	1F522	1F532	1F542	1F552	1F562	1F572	1F582	1F592	1F5A2	1F5B2	1F5C2	1F5D2	1F5E2	1F5F2
3	1F503	1F513	1F523	1F533	1F543	1F553	1F563	1F573	1F583	1F593	1F5A3	1F5B3	1F5C3	1F5D3	1F5E3	1F5F3
4	1F504	1F514	1F524	1F534	1F544	1F554	1F564	1F574	1F584	1F594	1F5A4	1F5B4	1F5C4	1F5D4	1F5E4	1F5F4
5	1F505	1F515	1F525	1F535	1F545	1F555	1F565	1F575	1F585	1F595	1F5A5	1F5B5	1F5C5	1F5D5	1F5E5	1F5F5
6	1F506	1F516	1F526	1F536	1F546	1F556	1F566	1F576	1F586	1F596	1F5A6	1F5B6	1F5C6	1F5D6	1F5E6	1F5F6
7	1F507	1F517	1F527	1F537	1F547	1F557	1F567	1F577	1F587	1F597	1F5A7	1F5B7	1F5C7	1F5D7	1F5E7	1F5F7
8	1F508	1F518	1F528	1F538	1F548	1F558	1F568	1F578	1F588	1F598	1F5A8	1F5B8	1F5C8	1F5D8	1F5E8	1F5F8
9	1F509	1F519	1F529	1F539	1F549	1F559	1F569	1F579	1F589	1F599	1F5A9	1F5B9	1F5C9	1F5D9	1F5E9	1F5F9
A	1F50A	1F51A	1F52A	1F53A		1F55A	1F56A	1F57A	1F58A	1F59A	1F5AA	1F5BA	1F5CA	1F5DA	1F5EA	1F5FA
B	1F50B	1F51B	1F52B	1F53B		1F55B	1F56B		1F58B	1F59B	1F5AB	1F5BB	1F5CB	1F5DB	1F5EB	1F5FB
C	1F50C	1F51C	1F52C	1F53C		1F55C	1F56C		1F58C	1F59C	1F5AC	1F5BC	1F5CC	1F5DC	1F5EC	1F5FC
D	1F50D	1F51D	1F52D	1F53D		1F55D	1F56D		1F58D	1F59D	1F5AD	1F5BD	1F5CD	1F5DD	1F5ED	1F5FD
E	1F50E	1F51E	1F52E			1F55E	1F56E		1F58E	1F59E	1F5AE	1F5BE	1F5CE	1F5DE	1F5EE	1F5FE
F	1F50F	1F51F	1F52F			1F55F	1F56F		1F58F	1F59F	1F5AF	1F5BF	1F5CF	1F5DF	1F5EF	1F5FF

Weather, landscape, and sky symbols

1F300   CYCLONE
    = typhoon, hurricane
1F301   FOGGY
1F302   CLOSED UMBRELLA
1F303   NIGHT WITH STARS
1F304   SUNRISE OVER MOUNTAINS
1F305   SUNRISE
1F306   CITYSCAPE AT DUSK
1F307   SUNSET OVER BUILDINGS
1F308   RAINBOW
1F309   BRIDGE AT NIGHT
1F30A   WATER WAVE
1F30B   VOLCANO
1F30C   MILKY WAY

Globe symbols

1F30D   EARTH GLOBE EUROPE-AFRICA
1F30E   EARTH GLOBE AMERICAS
1F30F   EARTH GLOBE ASIA-AUSTRALIA
1F310   GLOBE WITH MERIDIANS
    • used to indicate international input source,
     world clocks with time zones, etc.

Moon, sun, and star symbols

1F311   NEW MOON SYMBOL
    → 25CF ● black circle
1F312   WAXING CRESCENT MOON SYMBOL
1F313   FIRST QUARTER MOON SYMBOL
    = half moon
    → 25D0 ◐ circle with left half black
1F314   WAXING GIBBOUS MOON SYMBOL
    = waxing moon
1F315   FULL MOON SYMBOL
    → 25CB ○ white circle
1F316   WANING GIBBOUS MOON SYMBOL
1F317   LAST QUARTER MOON SYMBOL
    → 25D1 ◑ circle with right half black
1F318   WANING CRESCENT MOON SYMBOL
1F319   CRESCENT MOON
    • may indicate either the first or last quarter
     moon
    → 263D ☽ first quarter moon
    → 263E ☾ last quarter moon
1F31A   NEW MOON WITH FACE
1F31B   FIRST QUARTER MOON WITH FACE
1F31C   LAST QUARTER MOON WITH FACE
1F31D   FULL MOON WITH FACE
1F31E   SUN WITH FACE
1F31F   GLOWING STAR
1F320   SHOOTING STAR

Weather symbols

1F321   WHITE SUN
    = sunny
    = w-0213
    → 263C ☼ white sun with rays
1F322   WHITE SUN WITH SMALL BLACK CLOUD
    = mostly sunny
    = w-0214
    → 26C5 ⛅ sun behind cloud
1F323   WHITE SUN BEHIND BLACK CLOUDS
    = mostly cloudy
    = w-0215

1F324   WHITE SUN BEHIND BLACK CLOUDS AND RAIN
    = showers
    = w-0216
1F325   BLACK CLOUD
    = cloudy
    = w-0217
    → 2601 ☁ cloud
1F326   BLACK CLOUD AND SNOW
    = snow, snow showers
    = w-0218
1F327   BLACK CLOUD AND RAIN
    = rain
    = w-0219
1F328   BLACK CLOUD AND THUNDER
    = lightning, thunderstorm
    = w-0220
    → 26C8 ⛈ thunder cloud and rain
1F329   BLACK CLOUD AND TORNADO
    = tornado, twister
    = w-0221
1F32A   WIND BLOWING FACE
    = wind
    = w-0222
1F32B   FOG
    = w-0223
    → 1F301 ▨ foggy
1F32C   THERMOMETER
    = temperature, warm
    = w-0225
1F32D   BLACK DROPLET
    = droplet
    = w-1083
    → 1F4A7 💧 droplet

Plant symbols

1F330   CHESTNUT
1F331   SEEDLING
1F332   EVERGREEN TREE
1F333   DECIDUOUS TREE
1F334   PALM TREE
1F335   CACTUS
1F336   HOT PEPPER
    = hot
    = w-0044
1F337   TULIP
    → 2698 ⚘ flower
1F338   CHERRY BLOSSOM
1F339   ROSE
1F33A   HIBISCUS
1F33B   SUNFLOWER
1F33C   BLOSSOM
    = daisy
1F33D   EAR OF MAIZE
1F33E   EAR OF RICE
1F33F   HERB
1F340   FOUR LEAF CLOVER
    → 2618 ☘ shamrock
1F341   MAPLE LEAF
1F342   FALLEN LEAF
1F343   LEAF FLUTTERING IN WIND
1F344   MUSHROOM

Fruit and vegetable symbols

1F345   TOMATO

1F346	🍆	AUBERGINE
		= eggplant
1F347	🍇	GRAPES
1F348	🍈	MELON
1F349	🍉	WATERMELON
1F34A	🍊	TANGERINE
1F34B	🍋	LEMON
1F34C	🍌	BANANA
1F34D	🍍	PINEAPPLE
1F34E	🍎	RED APPLE
1F34F	🍏	GREEN APPLE
1F350	🍐	PEAR
1F351	🍑	PEACH
1F352	🍒	CHERRIES
1F353	🍓	STRAWBERRY

Food symbols

1F354	🍔	HAMBURGER
		= fast food place
1F355	🍕	SLICE OF PIZZA
1F356	🍖	MEAT ON BONE
1F357	🍗	POULTRY LEG
1F358	🍘	RICE CRACKER
1F359	🍙	RICE BALL
1F35A	🍚	COOKED RICE
		= bowl of rice
1F35B	🍛	CURRY AND RICE
		= Japanese style curry
1F35C	🍜	STEAMING BOWL
		= ramen noodles
1F35D	🍝	SPAGHETTI
1F35E	🍞	BREAD
1F35F	🍟	FRENCH FRIES
1F360	🍠	ROASTED SWEET POTATO
1F361	🍡	DANGO
		= mochi balls on skewer
1F362	🍢	ODEN
		= seafood on skewer
1F363	🍣	SUSHI
1F364	🍤	FRIED SHRIMP
1F365	🍥	FISH CAKE WITH SWIRL DESIGN
1F366	🍦	SOFT ICE CREAM
1F367	🍧	SHAVED ICE
1F368	🍨	ICE CREAM
1F369	🍩	DOUGHNUT
1F36A	🍪	COOKIE
		= biscuit
1F36B	🍫	CHOCOLATE BAR
1F36C	🍬	CANDY
1F36D	🍭	LOLLIPOP
1F36E	🍮	CUSTARD
1F36F	🍯	HONEY POT
1F370	🍰	SHORTCAKE
1F371	🍱	BENTO BOX
1F372	🍲	POT OF FOOD
1F373	🍳	COOKING
		= frying pan, cooking utensil
1F374	🍴	FORK AND KNIFE
		= restaurant, meal
		• 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
		→ 2615 ☕ hot beverage
		→ 26FE 🍹 cup on black square
1F376	🍶	SAKE BOTTLE AND CUP
1F377	🍷	WINE GLASS
1F378	🍸	COCKTAIL GLASS
1F379	🍹	TROPICAL DRINK
1F37A	🍺	BEER MUG
1F37B	🍻	CLINKING BEER MUGS
		= cheers
1F37C	🍼	BABY BOTTLE

Food symbol

1F37D	🍽	FORK AND KNIFE WITH BLACK PLATE
		= dining
		= w-0228
		→ 1F374 🍴 fork and knife

Celebration symbols

1F37F	🎁	BLACK PACKAGE
		= w-0101
		→ 1F381 🎁 wrapped present
		→ 1F4E6 📦 package
1F380	🎀	RIBBON
1F381	🎁	WRAPPED PRESENT
		→ 1F4E6 📦 package
1F382	🎂	BIRTHDAY CAKE
1F383	🎃	JACK-O-LANTERN
		= Hallowe'en
1F384	🎄	CHRISTMAS TREE
1F385	🎅	FATHER CHRISTMAS
		= Santa Claus
1F386	🎆	FIREWORKS
1F387	🎇	FIREWORK SPARKLER
		• long, stick-like firework that looks like a burning incense stick
1F388	🎈	BALLOON
1F389	🎉	PARTY POPPER
1F38A	🎊	CONFETTI BALL
		= congratulations
1F38B	🎋	TANABATA TREE
		= tanabata tree with wishing papers
1F38C	🎌	CROSSED FLAGS
		• Japanese national holiday
1F38D	🎍	PINE DECORATION
		• Japanese new year's door decoration
1F38E	🎎	JAPANESE DOLLS
		• Japanese Hinamatsuri or girls' doll festival
1F38F	🎏	CARP STREAMER
1F390	🎐	WIND CHIME
1F391	🎑	MOON VIEWING CEREMONY
		• Japanese Otsukimi harvest celebration
1F392	🎒	SCHOOL SATCHEL
		• Japanese school entrance ceremony
1F393	🎓	GRADUATION CAP
		• graduation ceremony
1F394	💚	HEART WITH TIP ON THE LEFT
		= favorite
		= w-0089
		→ 2665 ♥ black heart suit

1F395   BOUQUET OF FLOWERS
= occasion
= w-0090
→ 1F490 💐 bouquet

1F396   MEDAL
= w-0038

1F397   REMINDER RIBBON
= w-0045

Musical symbols

1F398   MUSICAL KEYBOARD WITH PLUGS
= midi, midi keyboard
= w-0176
→ 1F3B9 🎹 musical keyboard

1F399   STUDIO MICROPHONE
= microphone
= w-0177
→ 1F3A4 🎤 microphone

1F39A   LEVEL SLIDER
= level control
= w-0188

1F39B   CONTROL KNOBS
= audio control
= w-0189

1F39C   BEAMED ASCENDING MUSICAL NOTES
= musical performance
= music, musical background
= w-0175
• always ascending, unlike 266C 🎵
→ 266C 🎵 beamed sixteenth notes

1F39D   BEAMED DESCENDING MUSICAL NOTES
• always descending, unlike 266C 🎵

Entertainment symbols

1F39E   FILM
= film clip
= w-0180
→ 1F3A5 🎥 movie camera

1F39F   ADMISSION TICKETS
= ticket
= w-0182
→ 1F3AB 🎟 ticket

1F3A0   CAROUSEL HORSE
= amusement park

1F3A1   FERRIS WHEEL
= amusement park

1F3A2   ROLLER COASTER

1F3A3   FISHING POLE AND FISH
= fishing

1F3A4   MICROPHONE
= karaoke

1F3A5   MOVIE CAMERA
= film, movies

1F3A6   CINEMA
= movie theater, movie projector

1F3A7   HEADPHONE
= music

1F3A8   ARTIST PALETTE
= art

1F3A9   TOP HAT
= drama, performing arts, theater

1F3AA   CIRCUS TENT
= event

1F3AB   TICKET
• indicates an event

1F3AC   CLAPPER BOARD

1F3AD   PERFORMING ARTS

Game symbols

1F3AE   VIDEO GAME
= video game controller

1F3AF   DIRECT HIT
= archery target, hitting the target
→ 25CE ◎ bullseye

1F3B0   SLOT MACHINE

1F3B1   BILLIARDS

1F3B2   GAME DIE

1F3B3   BOWLING

1F3B4   FLOWER PLAYING CARDS
= flower cards

Music symbols

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

1F3B6   MULTIPLE MUSICAL NOTES
= dancing notes, mood, melody
→ 266B ♫ beamed eighth notes

1F3B7   SAXOPHONE

1F3B8   GUITAR

1F3B9   MUSICAL KEYBOARD

1F3BA   TRUMPET

1F3BB   VIOLIN

1F3BC   MUSICAL SCORE
→ 1D11E 𝄞 musical symbol g clef

Sport symbols

See other sport symbols in the Miscelleaneous Symbols block.

1F3BD   RUNNING SHIRT WITH SASH

1F3BE   TENNIS RACQUET AND BALL
= tennis

1F3BF   SKI AND SKI BOOT
= skiing
→ 26F7 ⛷ skier

1F3C0   BASKETBALL AND HOOP
= basketball

1F3C1   CHEQUERED FLAG
= motor sports

1F3C2   SNOWBOARDER

1F3C3   RUNNER
= running, marathon, track and fields

1F3C4   SURFER
= surfing

1F3C5   <reserved>

1F3C6   TROPHY

1F3C7   HORSE RACING

1F3C8   AMERICAN FOOTBALL

1F3C9   RUGBY FOOTBALL

1F3CA   SWIMMER

1F3CB   RIGHTWARDS SWIMMER
= pool
= w-0138

1F3CC   WEIGHT LIFTER
= health
= w-0134

1F3CD   GOLFER
= w-0137

1F3CE   MOTORCYCLE RIDER
= motorcycle
= w-0140

1F3CF 🏎 RACE CAR WITH RIDER
= race car
= w-0141

Buiding and map symbols

1F3D0 🚧 BUILDING CONSTRUCTION SIGN
= under construction
= w-0065
→ 1F6A7 🚧 construction sign

1F3D1 🏘 WHITE HOUSES WITH TERRAIN
= town
= w-0066
→ 1F3E1 🏡 house with garden

1F3D2 🏙 CITYSCAPE
= skyline, city
= w-0067
→ 1F306 🌆 cityscape at dusk

1F3D3 🏚 CONDEMNED HOUSE WITH TERRAIN
= derelict site
= w-0068
→ 1F3E0 🏠 house building

1F3D4 ⛰ DESERT TERRAIN
= desert
= w-0069
→ 1F335 🌵 cactus

1F3D5 🏭 FACTORY WITH TERRAIN
= factory
= w-0070
→ 1F3ED 🏭 factory

1F3D6 🏛 CLASSICAL FACADE WITH TERRAIN
= public building
= w-0071

1F3D7 🏡 SINGLE HOUSE WITH TERRAIN
= home
= w-0072
→ 1F3E1 🏡 house with garden

1F3D8 🏖 BEACH WITH UMBRELLA
= beach
= w-0073
→ 26F1 ⛱ umbrella on ground

1F3D9 🏝 DESERT ISLAND
= island
= w-0074
→ 1F334 🌴 palm tree

1F3DA 🛣 HIGHWAY WITH BILLBOARD
= motorway
= w-0075

1F3DB 🏔 MOUNTAIN OR VOLCANO
= mountain
= w-0077
→ 1F30B 🌋 volcano
→ 1F5FB 🗻 mount fuji
→ 26F0 ⛰ mountain

1F3DC 🏞 TRAIL
= park
= w-0080
→ 1F332 🌲 evergreen tree

1F3DD 🏕 CAMPING
= w-0081
→ 26FA ⛺ tent

1F3DE 🛤 TRAIN TRACKS WITH TERRAIN
= railroad
= w-0082

1F3DF 🏟 SPORTS ARENA WITH TERRAIN
= stadium
= w-0083

Building and map symbols

1F3E0 🏠 HOUSE BUILDING

1F3E1 🏡 HOUSE WITH GARDEN
= home, house with yard

1F3E2 🏢 OFFICE BUILDING

1F3E3 🏣 JAPANESE POST OFFICE
→ 3012 〒 postal mark

1F3E4 🏤 EUROPEAN POST OFFICE

1F3E5 🏥 HOSPITAL
→ 26E8 ⛨ black cross on shield

1F3E6 🏦 BANK
→ 1F131 🅱 squared latin capital letter b

1F3E7 🏧 AUTOMATED TELLER MACHINE
= ATM

1F3E8 🏨 HOTEL
→ 1F157 Ⓗ negative circled latin capital letter h

1F3E9 🏩 LOVE HOTEL

1F3EA 🏪 CONVENIENCE STORE

1F3EB 🏫 SCHOOL

1F3EC 🏬 DEPARTMENT STORE

1F3ED 🏭 FACTORY
= industrial production site
= date of production
→ 26ED ⚙ gear without hub

1F3EE 🏮 IZAKAYA LANTERN
= japanese izakaya restaurant

1F3EF 🏯 JAPANESE CASTLE

1F3F0 🏰 EUROPEAN CASTLE
→ 26EB 🏰 castle

Flag symbols

1F3F1 ⛳ GOLF PENNANT
= flag
= w-0119
→ 1F6A9 🚩 triangular flag on post

1F3F2 🏳 WAVING WHITE FLAG
= flag
= w-1079
→ 2690 ⚐ white flag

1F3F3 🏴 PENNANT
= w-1080
→ 1F6A9 🚩 triangular flag on post

Accommodation symbols

1F3F4 🛋 COUCH AND LAMP
= furniture, lifestyles
= w-0226

1F3F5 🛏 BED IN PERSPECTIVE
= hotel, guestrooms, accommodation
= w-0227
→ 1F3E8 🏨 hotel

1F3F6 🛎 BELLHOP BELL
= reception, services
= w-0230

1F3F7 🛍 TWO SHOPPING BAGS
= shopping
= w-0231

Ballot symbol

1F3F8 🗳 BALLOT BOX WITH BALLOT
= vote
= w-0063
→ 2612 ☒ ballot box with x

Animal symbols

1F3FC	🕸	SPIDER WEB
		= w-0034
1F3FD	🕷	SPIDER
		= w-0033
1F3FE	🐿	CHIPMUNK
		= animal, critter
		= w-0242
1F3FF	🕊	DOVE OF PEACE
		= peace
		= w-0255

1F400 🐀 RAT
    • first of the signs of the Asian zodiac

1F401 🐁 MOUSE
    • first of the signs of the Asian zodiac, used in Persia

1F402 🐂 OX
    • second of the signs of the Asian zodiac

1F403 🐃 WATER BUFFALO
    • second of the signs of the Asian zodiac, used in Vietnam

1F404 🐄 COW
    • second of the signs of the Asian zodiac, used in Persia
    = beef (on menus)

1F405 🐅 TIGER
    • third of the signs of the Asian zodiac

1F406 🐆 LEOPARD
    • third of the signs of the Asian zodiac, used in Persia

1F407 🐇 RABBIT
    • fourth of the signs of the Asian zodiac

1F408 🐈 CAT
    • fourth of the signs of the Asian zodiac, used in Vietnam

1F409 🐉 DRAGON
    • fifth of the signs of the Asian zodiac

1F40A 🐊 CROCODILE
    • fifth of the signs of the Asian zodiac, used in Persia

1F40B 🐋 WHALE
    • fifth of the signs of the Asian zodiac, used in Persia

1F40C 🐌 SNAIL
    • fifth of the signs of the Asian zodiac, used in Kazakhstan

1F40D 🐍 SNAKE
    • sixth of the signs of the Asian zodiac

1F40E 🐎 HORSE
    • seventh of the signs of the Asian zodiac

1F40F 🐏 RAM
    • eighth of the signs of the Asian zodiac

1F410 🐐 GOAT
    • eighth of the signs of the Asian zodiac, used in Vietnam

1F411 🐑 SHEEP
    • eighth of the signs of the Asian zodiac, used in Persia

1F412 🐒 MONKEY
    • ninth of the signs of the Asian zodiac

1F413 🐓 ROOSTER
    • tenth of the signs of the Asian zodiac
    = cock

1F414 🐔 CHICKEN
    • tenth of the signs of the Asian zodiac, used in Persia
    = hen
    = poultry (on menus)

1F415 🐕 DOG
    • eleventh of the signs of the Asian zodiac

1F416 🐖 PIG
    • twelfth of the signs of the Asian zodiac
    = pork (on menus)

1F417 🐗 BOAR
    • twelfth of the signs of the Asian zodiac, used in Japan

1F418 🐘 ELEPHANT
    • twelfth of the signs of the Asian zodiac, used in Thailand

1F419 🐙 OCTOPUS

1F41A 🐚 SPIRAL SHELL

1F41B 🐛 BUG

1F41C 🐜 ANT

1F41D 🐝 HONEYBEE

1F41E 🐞 LADY BEETLE
    = ladybird, ladybug, coccinellids

1F41F 🐟 FISH

1F420 🐠 TROPICAL FISH

1F421 🐡 BLOWFISH

1F422 🐢 TURTLE

1F423 🐣 HATCHING CHICK

1F424 🐤 BABY CHICK

1F425 🐥 FRONT-FACING BABY CHICK

1F426 🐦 BIRD

1F427 🐧 PENGUIN

1F428 🐨 KOALA

1F429 🐩 POODLE

1F42A 🐪 DROMEDARY CAMEL
    • has a single hump

1F42B 🐫 BACTRIAN CAMEL
    • has two humps

1F42C 🐬 DOLPHIN

Animal faces

1F42D 🐭 MOUSE FACE

1F42E 🐮 COW FACE

1F42F 🐯 TIGER FACE

1F430 🐰 RABBIT FACE

1F431 🐱 CAT FACE
    → 1F63A 😺 smiling cat face with open mouth

1F432 🐲 DRAGON FACE

1F433 🐳 SPOUTING WHALE

1F434 🐴 HORSE FACE

1F435 🐵 MONKEY FACE

1F436 🐶 DOG FACE

1F437 🐷 PIG FACE

1F438 🐸 FROG FACE

1F439 🐹 HAMSTER FACE

1F43A 🐺 WOLF FACE

1F43B 🐻 BEAR FACE

1F43C 🐼 PANDA FACE

1F43D 🐽 PIG NOSE

1F43E 🐾 PAW PRINTS
    → 1F463 👣 footprints

Facial parts symbols

1F440 👀 EYES

1F441	👁	EYE
		= sight
		= w-0078
1F442	👂	EAR
1F443	👃	NOSE
1F444	👄	MOUTH
1F445	👅	TONGUE

Hand symbols

1F446	👆	WHITE UP POINTING BACKHAND INDEX
		→ 261D ☝ white up pointing index
1F447	👇	WHITE DOWN POINTING BACKHAND INDEX
		→ 261F ☟ white down pointing index
1F448	👈	WHITE LEFT POINTING BACKHAND INDEX
		→ 261C ☜ white left pointing index
1F449	👉	WHITE RIGHT POINTING BACKHAND INDEX
		→ 261E ☞ white right pointing index
1F44A	👊	FISTED HAND SIGN
		= punch
		→ 270A ✊ raised fist
1F44B	👋	WAVING HAND SIGN
		→ 270B ✋ raised hand
1F44C	👌	OK HAND SIGN
1F44D	👍	THUMBS UP SIGN
1F44E	👎	THUMBS DOWN SIGN
1F44F	👏	CLAPPING HANDS SIGN
1F450	👐	OPEN HANDS SIGN

Clothing and accessories

1F451	👑	CROWN
1F452	👒	WOMANS HAT
1F453	👓	EYEGLASSES
1F454	👔	NECKTIE
1F455	👕	T-SHIRT
1F456	👖	JEANS
1F457	👗	DRESS
1F458	👘	KIMONO
1F459	👙	BIKINI
1F45A	👚	WOMANS CLOTHES
1F45B	👛	PURSE
1F45C	👜	HANDBAG
1F45D	👝	POUCH
1F45E	👞	MANS SHOE
1F45F	👟	ATHLETIC SHOE
		= runner, sneaker, tennis shoe
1F460	👠	HIGH-HEELED SHOE
1F461	👡	WOMANS SANDAL
1F462	👢	WOMANS BOOTS
1F463	👣	FOOTPRINTS
		→ 1F43E 🐾 paw prints

Portrait and role symbols

1F464	👤	BUST IN SILHOUETTE
		= guest account
1F465	👥	BUSTS IN SILHOUETTE
		= accounts
1F466	👦	BOY
1F467	👧	GIRL
1F468	👨	MAN
1F469	👩	WOMAN
1F46A	👪	FAMILY
1F46B	👫	MAN AND WOMAN HOLDING HANDS
		→ 1F6BB 🚻 restroom
1F46C	👬	TWO MEN HOLDING HANDS

1F46D	👭	TWO WOMEN HOLDING HANDS
1F46E	👮	POLICE OFFICER
1F46F	👯	WOMAN WITH BUNNY EARS
1F470	👰	BRIDE WITH VEIL
1F471	👱	PERSON WITH BLOND HAIR
1F472	👲	MAN WITH GUA PI MAO
1F473	👳	MAN WITH TURBAN
1F474	👴	OLDER MAN
1F475	👵	OLDER WOMAN
1F476	👶	BABY
1F477	👷	CONSTRUCTION WORKER

Fairy tale symbols

1F478	👸	PRINCESS
1F479	👹	JAPANESE OGRE
1F47A	👺	JAPANESE GOBLIN
1F47B	👻	GHOST
1F47C	👼	BABY ANGEL
1F47D	👽	EXTRATERRESTRIAL ALIEN
1F47E	👾	ALIEN MONSTER
1F47F	👿	IMP
1F480	💀	SKULL

Role symbols

1F481	💁	INFORMATION DESK PERSON
1F482	💂	GUARDSMAN
1F483	💃	DANCER

Personal care symbols

1F484	💄	LIPSTICK
1F485	💅	NAIL POLISH
		= manicure, nail care
1F486	💆	FACE MASSAGE
1F487	💇	HAIRCUT
		• usually indicates a beauty parlor
1F488	💈	BARBER POLE

Medical symbols

1F489	💉	SYRINGE
1F48A	💊	PILL

Romance symbols

1F48B	💋	KISS MARK
		= lips
1F48C	💌	LOVE LETTER
1F48D	💍	RING
		= jewelry
1F48E	💎	GEM STONE
1F48F	💏	KISS
		= two people kissing
1F490	💐	BOUQUET
1F491	💑	COUPLE WITH HEART
1F492	💒	WEDDING
		= wedding chapel
		→ 26AD ⚭ marriage symbol

Heart symbols

1F493	💓	BEATING HEART
1F494	💔	BROKEN HEART
1F495	💕	TWO HEARTS
1F496	💖	SPARKLING HEART
1F497	💗	GROWING HEART
1F498	💘	HEART WITH ARROW

1F499 ♥ BLUE HEART
→ 2661 ♡ white heart suit
→ 2665 ♥ black heart suit
→ 2764 ❤ heavy black heart
1F49A ♥ GREEN HEART
1F49B ♡ YELLOW HEART
1F49C ♥ PURPLE HEART
1F49D ♥ HEART WITH RIBBON
1F49E ❂ REVOLVING HEARTS
1F49F ♥ HEART DECORATION

Comic style symbols

1F4A0 ◇ DIAMOND SHAPE WITH A DOT INSIDE
= kawaii, cute
• meaning of cuteness is based on association of glyph with shape of a flower
→ 27D0 ◇ white diamond with centred dot
1F4A1 💡 ELECTRIC LIGHT BULB
= idea
1F4A2 💢 ANGER SYMBOL
1F4A3 💣 BOMB
1F4A4 💤 SLEEPING SYMBOL
1F4A5 💥 COLLISION SYMBOL
1F4A6 💦 SPLASHING SWEAT SYMBOL
= plewds
1F4A7 💧 DROPLET
• represents a drop of sweat or drop of water
1F4A8 💨 DASH SYMBOL
= running dash, briffits
1F4A9 💩 PILE OF POO
= dog dirt
1F4AA 💪 FLEXED BICEPS
= strong, muscled
1F4AB 💫 DIZZY SYMBOL
= circling stars, squeans
1F4AC 💬 SPEECH BALLOON
= comic book conversation bubble
1F4AD 💭 THOUGHT BALLOON

Japanese school grade symbols

1F4AE 💮 WHITE FLOWER
= brilliant homework
→ 2740 ❀ white florette
1F4AF 💯 HUNDRED POINTS SYMBOL
= perfect score

Money symbols

1F4B0 💰 MONEY BAG
• glyph may show any currency symbol instead of a dollar sign
1F4B1 💱 CURRENCY EXCHANGE
1F4B2 💲 HEAVY DOLLAR SIGN
→ 0024 $ dollar sign
1F4B3 💳 CREDIT CARD
1F4B4 💴 BANKNOTE WITH YEN SIGN
1F4B5 💵 BANKNOTE WITH DOLLAR SIGN
1F4B6 💶 BANKNOTE WITH EURO SIGN
1F4B7 💷 BANKNOTE WITH POUND SIGN
1F4B8 💸 MONEY WITH WINGS
1F4B9 💹 CHART WITH UPWARDS TREND AND YEN SIGN

Office symbols

1F4BA 💺 SEAT
1F4BB 💻 PERSONAL COMPUTER
1F4BC 💼 BRIEFCASE

1F4BD 💽 MINIDISC
1F4BE 💾 FLOPPY DISK
= flexible disk cartridge, floppy disc, floppy, diskette
1F4BF 💿 OPTICAL DISC
1F4C0 📀 DVD
= digital video/versatile disc
1F4C1 📁 FILE FOLDER
1F4C2 📂 OPEN FILE FOLDER
1F4C3 📃 PAGE WITH CURL
1F4C4 📄 PAGE FACING UP
1F4C5 📅 CALENDAR
1F4C6 📆 TEAR-OFF CALENDAR
1F4C7 📇 CARD INDEX
1F4C8 📈 CHART WITH UPWARDS TREND
1F4C9 📉 CHART WITH DOWNWARDS TREND
1F4CA 📊 BAR CHART
1F4CB 📋 CLIPBOARD
1F4CC 📌 PUSHPIN
1F4CD 📍 ROUND PUSHPIN
1F4CE 📎 PAPERCLIP
1F4CF 📏 STRAIGHT RULER
1F4D0 📐 TRIANGULAR RULER
1F4D1 📑 BOOKMARK TABS
1F4D2 📒 LEDGER
1F4D3 📓 NOTEBOOK
1F4D4 📔 NOTEBOOK WITH DECORATIVE COVER
1F4D5 📕 CLOSED BOOK
1F4D6 📖 OPEN BOOK
= read operator's manual
• similar to ISO/IEC 7000-0790 "Read operator's manual"
1F4D7 📗 GREEN BOOK
1F4D8 📘 BLUE BOOK
1F4D9 📙 ORANGE BOOK
1F4DA 📚 BOOKS
1F4DB 📛 NAME BADGE
1F4DC 📜 SCROLL

Communication symbols

1F4DD 📝 MEMO
1F4DE 📞 TELEPHONE RECEIVER
1F4DF 📟 PAGER
1F4E0 📠 FAX MACHINE
→ 213B ℻ facsimile sign
1F4E1 📡 SATELLITE ANTENNA
= position indicator, news
1F4E2 📢 PUBLIC ADDRESS LOUDSPEAKER
1F4E3 📣 CHEERING MEGAPHONE
1F4E4 📤 OUTBOX TRAY
1F4E5 📥 INBOX TRAY
1F4E6 📦 PACKAGE
→ 1F381 🎁 wrapped present
1F4E7 📧 E-MAIL SYMBOL
• glyph may show an @-sign instead of an E
1F4E8 📨 INCOMING ENVELOPE
→ 2709 ✉ envelope
1F4E9 📩 ENVELOPE WITH DOWNWARDS ARROW ABOVE
• sending mail
1F4EA 📪 CLOSED MAILBOX WITH LOWERED FLAG
= letter box, mail reception
= empty mailbox

1F4EB	▧	CLOSED MAILBOX WITH RAISED FLAG
		= mailbox containing mail
1F4EC	▧	OPEN MAILBOX WITH RAISED FLAG
1F4ED	▧	OPEN MAILBOX WITH LOWERED FLAG
1F4EE	▧	POSTBOX
		= mailbox for sending mail
1F4EF	▧	POSTAL HORN
1F4F0	▧	NEWSPAPER
1F4F1	▧	MOBILE PHONE
1F4F2	▧	MOBILE PHONE WITH RIGHTWARDS ARROW AT LEFT
		• making a phone call
1F4F3	▧	VIBRATION MODE
1F4F4	▧	MOBILE PHONE OFF
1F4F5	▧	NO MOBILE PHONES
1F4F6	▧	ANTENNA WITH BARS
		= cellular reception

Audio and video symbols

1F4F7	▧	CAMERA
1F4F8	▧	<reserved>
1F4F9	▧	VIDEO CAMERA
1F4FA	▧	TELEVISION
1F4FB	▧	RADIO
1F4FC	▧	VIDEOCASSETTE
1F4FD	▧	FILM PROJECTOR
		= movies
		= w-0184
		→ 1F3A6 ▧ cinema
1F4FE	▧	PORTABLE STEREO
		= stereo
		= w-0186
1F4FF	▧	TELEVISION FLAT CRT
		• more modern form
		= w-0190
		→ 1F4FA ▧ television

User interface symbols

1F500	▧	TWISTED RIGHTWARDS ARROWS
		= shuffle
1F501	▧	CLOCKWISE RIGHTWARDS AND LEFTWARDS OPEN CIRCLE ARROWS
		= repeat
		→ 267B ♻ black universal recycling symbol
1F502	▧	CLOCKWISE RIGHTWARDS AND LEFTWARDS OPEN CIRCLE ARROWS WITH CIRCLED ONE OVERLAY
		= repeat one item over
1F503	▧	CLOCKWISE DOWNWARDS AND UPWARDS OPEN CIRCLE ARROWS
		= reload
1F504	▧	ANTICLOCKWISE DOWNWARDS AND UPWARDS OPEN CIRCLE ARROWS
		= reload
1F505	▧	LOW BRIGHTNESS SYMBOL
1F506	▧	HIGH BRIGHTNESS SYMBOL
		→ 2600 ☀ black sun with rays
		→ 263C ☼ white sun with rays
		→ 26ED ⛭ gear without hub
1F507	▧	SPEAKER WITH CANCELLATION STROKE
1F508	▧	SPEAKER
1F509	▧	SPEAKER WITH ONE SOUND WAVE
1F50A	▧	SPEAKER WITH THREE SOUND WAVES
		= sound
1F50B	▧	BATTERY

1F50C	▧	ELECTRIC PLUG
1F50D	▧	LEFT-POINTING MAGNIFYING GLASS
		= search
1F50E	▧	RIGHT-POINTING MAGNIFYING GLASS
		= get more details
1F50F	▧	LOCK WITH INK PEN
		= privacy
1F510	▧	CLOSED LOCK WITH KEY
		= secure
1F511	▧	KEY
		→ 26BF ▧ squared key
1F512	▧	LOCK
		= padlock in locked position
1F513	▧	OPEN LOCK
1F514	▧	BELL
		→ 0FC4 ▧ tibetan symbol dril bu
		→ 2407 ▧ symbol for bell
1F515	▧	BELL WITH CANCELLATION STROKE
1F516	▧	BOOKMARK
1F517	▧	LINK SYMBOL
1F518	▧	RADIO BUTTON
		→ 2299 ⊙ circled dot operator
		→ 25C9 ◉ fisheye
		→ 25CE ◎ bullseye

Words with arrows

1F519	▧	BACK WITH LEFTWARDS ARROW ABOVE
		→ 2397 ▧ previous page
1F51A	▧	END WITH LEFTWARDS ARROW ABOVE
1F51B	▧	ON WITH EXCLAMATION MARK WITH LEFT RIGHT ARROW ABOVE
1F51C	▧	SOON WITH RIGHTWARDS ARROW ABOVE
1F51D	▧	TOP WITH UPWARDS ARROW ABOVE
		= top of page

Enclosed alphanumeric symbols

1F51E	▧	NO ONE UNDER EIGHTEEN SYMBOL
1F51F	▧	KEYCAP TEN
		→ 20E3 ▧ combining enclosing keycap

User interface input status symbols

1F520	▧	INPUT SYMBOL FOR LATIN CAPITAL LETTERS
1F521	▧	INPUT SYMBOL FOR LATIN SMALL LETTERS
1F522	▧	INPUT SYMBOL FOR NUMBERS
1F523	▧	INPUT SYMBOL FOR SYMBOLS
1F524	▧	INPUT SYMBOL FOR LATIN LETTERS
		= English input (ABC)

Tool symbols

1F525	▧	FIRE
1F526	▧	ELECTRIC TORCH
		= flashlight
1F527	▧	WRENCH
1F528	▧	HAMMER
1F529	▧	NUT AND BOLT
1F52A	▧	HOCHO
		= Japanese kitchen knife
1F52B	▧	PISTOL
1F52C	▧	MICROSCOPE
1F52D	▧	TELESCOPE
1F52E	▧	CRYSTAL BALL
1F52F	▧	SIX POINTED STAR WITH MIDDLE DOT
		→ 2721 ✡ star of david
1F530	▧	JAPANESE SYMBOL FOR BEGINNER
1F531	▧	TRIDENT EMBLEM

Geometric shapes

1F532 ▣ BLACK SQUARE BUTTON
1F533 ▢ WHITE SQUARE BUTTON
1F534 ⬤ LARGE RED CIRCLE
       → 25CF ● black circle
       → 25EF ◯ large circle
       → 2B24 ● black large circle
       → 2B55 ◯ heavy large circle
1F535 ⬤ LARGE BLUE CIRCLE
1F536 ◆ LARGE ORANGE DIAMOND
       → 25C6 ◆ black diamond
1F537 ◆ LARGE BLUE DIAMOND
1F538 ◆ SMALL ORANGE DIAMOND
       → 2B29 ◆ black small diamond
1F539 ◆ SMALL BLUE DIAMOND

User interface symbols

1F53A ▲ UP-POINTING RED TRIANGLE
       → 25B2 ▲ black up-pointing triangle
1F53B ▼ DOWN-POINTING RED TRIANGLE
       → 25BC ▼ black down-pointing triangle
1F53C ▴ UP-POINTING SMALL RED TRIANGLE
       = play arrow up
       → 25B4 ▴ black up-pointing small triangle
1F53D ▾ DOWN-POINTING SMALL RED TRIANGLE
       = play arrow down
       → 25BE ▾ black down-pointing small triangle

Religious symbols

1F540 ⊕ CIRCLED CROSS POMMEE
       • Orthodox typikon symbol for great feast service
1F541 ⊕ CROSS POMMEE WITH HALF-CIRCLE BELOW
       • Orthodox typikon symbol for vigil service
1F542 ✚ CROSS POMMEE
       • Orthodox typikon symbol for Polyeleos
       → 2722 ✢ four teardrop-spoked asterisk
1F543 ☙ NOTCHED LEFT SEMICIRCLE WITH THREE DOTS
       • Orthodox typikon symbol for lower rank feast
1F544 ☙ NOTCHED RIGHT SEMICIRCLE WITH THREE DOTS
       • Orthodox typikon for lower rank feast
1F545 Ⓜ SYMBOL FOR MARKS CHAPTER
       • Orthodox typikon for difficult sections
1F546 ☦ WHITE LATIN CROSS
       = cross outline
       = w-1085
       → 271E ♰ shadowed white latin cross
1F547 ✝ HEAVY LATIN CROSS
       = w-2134
1F548 ☦ CELTIC CROSS
       = w-1087
1F549 ॐ OM SYMBOL
       = w-1092
       • devanagari font type independent
       → 0950 ॐ devanagari om

Clock face symbols

1F550 🕐 CLOCK FACE ONE OCLOCK
       → 231A ⌚ watch
       → 23F0 ⏰ alarm clock
1F551 🕑 CLOCK FACE TWO OCLOCK
1F552 🕒 CLOCK FACE THREE OCLOCK
1F553 🕓 CLOCK FACE FOUR OCLOCK
1F554 🕔 CLOCK FACE FIVE OCLOCK

1F555 🕕 CLOCK FACE SIX OCLOCK
1F556 🕖 CLOCK FACE SEVEN OCLOCK
1F557 🕗 CLOCK FACE EIGHT OCLOCK
1F558 🕘 CLOCK FACE NINE OCLOCK
1F559 🕙 CLOCK FACE TEN OCLOCK
1F55A 🕚 CLOCK FACE ELEVEN OCLOCK
1F55B 🕛 CLOCK FACE TWELVE OCLOCK
1F55C 🕜 CLOCK FACE ONE-THIRTY
1F55D 🕝 CLOCK FACE TWO-THIRTY
1F55E 🕞 CLOCK FACE THREE-THIRTY
1F55F 🕟 CLOCK FACE FOUR-THIRTY
1F560 🕠 CLOCK FACE FIVE-THIRTY
1F561 🕡 CLOCK FACE SIX-THIRTY
1F562 🕢 CLOCK FACE SEVEN-THIRTY
1F563 🕣 CLOCK FACE EIGHT-THIRTY
1F564 🕤 CLOCK FACE NINE-THIRTY
1F565 🕥 CLOCK FACE TEN-THIRTY
1F566 🕦 CLOCK FACE ELEVEN-THIRTY
1F567 🕧 CLOCK FACE TWELVE-THIRTY

Miscellaneous symbols

1F568 🕰 MANTELPIECE CLOCK
       = clock
       = w-0161
       → 23F0 ⏰ alarm clock
1F569 🔔 RINGING BELL
       = w-1037
       → 1F514 🔔 bell
1F56A 🕯 CANDLE
       = w-1039
1F56B ☠ BLACK SKULL AND CROSSBONES
       = skull and crossbones
       = w-1078
       → 2620 ☠ skull and crossbones
1F56C 👽 BLACK EXTRATERRESTRIAL ALIEN
       = scifi
       = w-0133
       → 1F47D 👽 extraterrestrial alien
1F56D 🕵 SLEUTH OR SPY
       = investigate
       = w-0160
1F56E 🕴 MAN IN BUSINESS SUIT LEVITATING
       = jump
       = w-0109
1F56F 🚫 NO PIRACY
       = w-0035

Bubble symbols

1F570 🗨 LEFT SPEECH BUBBLE
       = w-0040
1F571 🗩 RIGHT SPEECH BUBBLE
       = w-0041
1F572 🗪 TWO SPEECH BUBBLES
       = chat
       = w-0094
1F573 🗫 THREE SPEECH BUBBLES
       = conference
       = w-0095
1F574 🗬 LEFT THOUGHT BUBBLE
       = w-0091
1F575 🗭 RIGHT THOUGHT BUBBLE
       = w-0093
       → 1F4AD 💭 thought balloon

1F576   MOOD BUBBLE
= new
= w-0042
→ 1F4A5 collision symbol

1F577   LEFT ANGER BUBBLE
= shout left
= w-0123

1F578   RIGHT ANGER BUBBLE
= shout right
= w-0125

1F579   LIGHTNING MOOD BUBBLE
= updated
= w-0043
→ 26A1 high voltage sign

1F57A   LIGHTNING MOOD
= lightning bolt
= w-0126
→ 26A1 high voltage sign

Communication symbols

1F580   RIGHT SPEAKER
= sound left
= w-0087

1F581   RIGHT SPEAKER WITH ONE SOUND WAVE

1F582   RIGHT SPEAKER WITH THREE SOUND WAVES

1F583   BULLHORN
= sound off
= w-0086
→ 1F508 speaker

1F584   BULLHORN WITH SOUND WAVES
= sound on
= w-0085
→ 1F4E3 cheering megaphone
→ 1F50A speaker with three sound waves

1F585   BACK OF ENVELOPE
= w-1042
→ 2709 envelope
• 2709 shows a seal

1F586   STAMPED ENVELOPE
= mail
= w-0155
= w-1043

1F587   ENVELOPE WITH LIGHTNING
= e-mail
= w-0153
→ 1F4E7 e-mail symbol

1F588   FLYING ENVELOPE
= send message
= w-0154
→ 1F4E9 envelope with downwards arrow
above

1F589   PEN OVER STAMPED ENVELOPE
= write
= w-0156

1F58A   LINKED PAPERCLIPS
= links
= w-0039
→ 1F4CE paperclip

1F58B   LOWER LEFT PENCIL
= pencil
= w-1033
→ 270E lower right pencil

1F58C   LOWER LEFT BALLPOINT PEN
= ballpoint pen
= w-2033
→ 270E lower right pencil

1F58D   LOWER LEFT FOUNTAIN PEN
= fountain pen
= w-2034
→ 2711 white nib

1F58E   LOWER LEFT PAINTBRUSH
= brush
= w-2035

1F58F   LOWER LEFT CRAYON
= crayon
= w-2036

Hand symbols

1F590   LEFT WRITING HAND
= w-1064
→ 270D writing hand

1F591   TURNED OK HAND SIGN
= w-1066
→ 1F44C ok hand sign

1F592   RAISED HAND WITH FINGERS SPLAYED
= halt
= w-1073
→ 270B raised hand

1F593   REVERSED RAISED HAND WITH FINGERS
SPLAYED
= w-2078

1F594   REVERSED THUMBS UP SIGN
= w-2060
→ 1F44D thumbs up sign

1F595   REVERSED THUMBS DOWN SIGN
= w-2061
→ 1F44E thumbs down sign

1F596   REVERSE VICTORY HAND

1F597   REVERSED HAND WITH MIDDLE FINGER
EXTENDED

1F598   RAISED HAND WITH PART BETWEEN MIDDLE
AND RING FINGERS

1F599   WHITE DOWN POINTING LEFT HAND INDEX
= w-1072
→ 261F white down pointing index
→ 1F447 white down pointing backhand
index

1F59A   SIDEWAYS WHITE LEFT POINTING INDEX
= w-2062
→ 261C white left pointing index

1F59B   SIDEWAYS WHITE RIGHT POINTING INDEX
= w-2063
→ 261E white right pointing index

1F59C   SIDEWAYS BLACK LEFT POINTING INDEX
= w-2064

1F59D   SIDEWAYS BLACK RIGHT POINTING INDEX
= w-2065

1F59E   BLACK LEFT POINTING BACKHAND INDEX
= w-2068
→ 1F448 white left pointing backhand index

1F59F   BLACK RIGHT POINTING BACKHAND INDEX
= w-2069
→ 1F449 white right pointing backhand index

1F5A0   SIDEWAYS WHITE UP POINTING INDEX
= w-2070
→ 261D white up pointing index

1F5A1   SIDEWAYS WHITE DOWN POINTING INDEX
= w-2071
→ 261F white down pointing index

1F5A2   SIDEWAYS BLACK UP POINTING INDEX
= w-2072

1F5A3	▰	SIDEWAYS BLACK DOWN POINTING INDEX
		= w-2073
1F5A4	▰	BLACK UP POINTING BACKHAND INDEX
		= w-2076
		→ 1F446 ☝ white up pointing backhand index
1F5A5	▰	BLACK DOWN POINTING BACKHAND INDEX
		= w-2077
		→ 1F447 ☟ white down pointing backhand index

Communication symbols

1F5A6	ℂ	LEFT HAND TELEPHONE RECEIVER
		= phone
		= w-0197
		→ 1F4DE 📞 telephone receiver
1F5A7	ℂ	TELEPHONE RECEIVER WITH PAGE
		= fax
		= w-0198
		→ 1F4E0 🖷 fax machine
1F5A8	℈	RIGHT HAND TELEPHONE RECEIVER
		= telephone handset
		= w-2040
1F5A9	☏	WHITE TOUCHTONE TELEPHONE
		= telephone
		= w-2039
		→ 260F ☏ white telephone
1F5AA	☎	BLACK TOUCHTONE TELEPHONE
		= telephone solid
		= w-1040
		→ 260E ☎ black telephone
1F5AB	☎	TELEPHONE ON TOP OF MODEM
		= modem
		= w-0201
1F5AC	▰	CLAMSHELL MOBILE PHONE
		= cellular phone
		= w-0200
		→ 1F4F1 📱 mobile phone

Game symbols

1F5AD	▰	JOYSTICK
		= w-0195
1F5AE	▰	BLACK GAME CONTROLLER
		= game pad
		= w-0196
		→ 1F3AE 🎮 video game

Computer symbols

1F5AF	▰	COMPUTER MONITOR
		= w-0191
		→ 1F4BB 💻 personal computer
1F5B0	▰	DESKTOP COMPUTER
		= tower computer
		= w-0192
1F5B1	▰	KEYBOARD AND MOUSE
		= w-0193
		→ 2328 ⌨ keyboard
1F5B2	▰	THREE NETWORKED COMPUTERS
		= computer network
		= w-0194
1F5B3	▰	PRINTER
		= w-0202
		→ 1F4E0 🖷 fax machine
1F5B4	▰	POCKET CALCULATOR
		= calculator
		= w-0203

1F5B5	▰	BLACK HARD SHELL FLOPPY DISK
		= disk
		= w-0205
		→ 1F4BE 💾 floppy disk
1F5B6	▰	WHITE HARD SHELL FLOPPY DISK
		= w-1060
		→ 1F4BE 💾 floppy disk
1F5B7	▰	SOFT SHELL FLOPPY DISK
		= w-1061
		→ 1F4BE 💾 floppy disk
1F5B8	▰	TAPE CARTRIDGE
		= w-2057
1F5B9	▰	WIRED KEYBOARD
		= keyboard
		= w-1055
		→ 2328 ⌨ keyboard
1F5BA	▰	ONE BUTTON MOUSE
		= w-2058
1F5BB	▰	TWO BUTTON MOUSE
		= w-1056
1F5BC	▰	THREE BUTTON MOUSE
		= w-2059
1F5BD	▰	TRACKBALL
		= w-1057
		= ballpoint
1F5BE	▰	OLD PERSONAL COMPUTER
		= personal computer
		= w-1058
		→ 1F4BB 💻 personal computer
1F5BF	▰	HARD DISK
		= w-1059
1F5C0	▰	SCREEN
		= monitor
		= w-2053
		→ 20E2 ▰ combining enclosing screen
1F5C1	▰	PRINTER ICON
		= w-2054
		→ 1F5B3 ▰ printer
1F5C2	▰	FAX ICON
		= w-2055
		→ 1F4E0 🖷 fax machine
1F5C3	⊙	OPTICAL DISC ICON
		= compact disc
		= w-2056
		→ 1F4BF 📀 optical disc

Office symbols

1F5C4	▰	DOCUMENT WITH TEXT
		= w-0157
1F5C5	▰	DOCUMENT WITH TEXT AND PICTURE
		= w-0158
1F5C6	▰	DOCUMENT WITH PICTURE
		= graphic document
		= w-0159

User interface symbols

1F5C7	▱	FOLDER
		= directory
		= w-1048
		→ 1F4C1 📁 file folder
1F5C8	▰	BLACK FOLDER
		= folder
		= w-0204
1F5C9	▱	OPEN FOLDER
		= w-1049
		→ 1F4C2 📂 open file folder

1F5CA	▦	FILE CABINET
		= w-1053
1F5CB	▭	EMPTY NOTE
		= file1
		= w-2041
1F5CC	□	EMPTY NOTE PAGE
		= file
		= w-2042
1F5CD	▤	EMPTY NOTE PAD
		= file3
		= w-2043
1F5CE	▤	NOTE
		= file text1
		= w-2044
1F5CF	▤	NOTE PAGE
		= file text
		= w-2045
1F5D0	▤	NOTE PAD
		= file text3
		= w-2046
1F5D1	▯	EMPTY DOCUMENT
		= tall file1
		= w-2047
1F5D2	▯	EMPTY PAGE
		= tall file
		= w-2048
1F5D3	▯	EMPTY PAGES
		= tall file3
		= w-2049

1F5D4   ▤   DOCUMENT
= tall file with text 1
= w-1050
→ 1F4C4 ▤ page facing up

1F5D5   ▤   PAGE
= tall file with text
= w-1051
→ 1F4C3 ▤ page with curl

1F5D6   ▤   PAGES
= tall file with text 3
= w-1052

1F5D7   🗑   WASTEBASKET
= trashcan
= w-2051

1F5D8   ▨   FRAMED PICTURE
= art
= w-0173

1F5D9   ▥   FRAMED PICTURE WITH TILES
= frames
= w-0162

1F5DA   ⊠   FRAME WITH AN X
= no frames, no picture
= w-0163

1F5DB   🗓   CALENDAR EMPTY
= note
= w-0165
→ 1F4C5 🗓 calendar

1F5DC   ①   CALENDAR DAY-1
= calendar
= w-0166
→ 1F4C6 🗓 tear-off calendar

1F5DD   🗐   INDEX CARD WITH CIRCLED TEXT
= classified
= w-0170

1F5DE   🗃   CARD FILE BOX
= archive
= w-0171

1F5DF   🗄   BLACK CARD INDEX
= index
= w-0172
→ 1F4C7 🗂 card index

1F5E0   ▭   DESKTOP WINDOW
= w-2052

1F5E1   ▁   MINIMIZE
= w-0048

1F5E2   ▢   MAXIMIZE
= w-0049

1F5E3   ▤   OVERLAP
= tile windows
= w-0050

1F5E4   ⟨⟩   CLOCKWISE RIGHT AND LEFT SEMICIRCLE ARROWS
= refresh
= w-0113
→ 1F503 🔃 clockwise downwards and upwards open circle arrows

1F5E5   ✕   CANCELLATION X
= close
= w-0114
→ 274C ✖ cross mark

1F5E6   ᴬA   INCREASE FONT SIZE SYMBOL
= w-0062

1F5E7   Aa   DECREASE FONT SIZE SYMBOL

1F5E8   🗜   COMPRESSION
• hand press with box inside
= w-0206

1F5E9   ⚷   OLD KEY
= encryption
= w-0209
→ 1F511 🔑 key

Miscellaneous symbols

1F5EA   🗊   CLIPBOARD SIDEWAY
= w-0164
→ 1F4CB 📋 clipboard

1F5EB   📖   OPEN BOOK FLAT
= book
= w-0167
→ 1F4D6 📖 open book

1F5EC   ☞   ROLLED-UP NEWSPAPER
= news
= w-0169
→ 1F4F0 📰 newspaper

1F5ED   📌   BLACK PUSHPIN
= marker
= w-0235
→ 1F4CC 📌 pushpin

Plant symbols

1F5EE   ✿   ROSETTE
= w-1123
→ 2740 ❀ white florette

1F5EF   ✾   BLACK ROSETTE
= w-1124
→ 2741 ❁ eight petalled outlined black florette

Miscellaneous symbols

1F5F0   ⚒   HAMMER AND WRENCH
= tools, repair facility
= w-0064
→ 2692 ⚒ hammer and pick

1F5F1   🛡   SHIELD
= US road interstate highway
= w-0100

1F5F2	▨	STOCK CHART = finance = w-0143 → 1F4C8 📈 chart with upwards trend
1F5F3	▤	OIL DRUM = commodities = w-0144
1F5F4	💰	BLACK MONEY BAG = money = w-0145 → 1F4B0 💰 money bag
1F5F5	🏷	PRICE TAG = price = w-0146 → 1F516 🔖 bookmark
1F5F6	🕶	DARK SUNGLASSES = cool = w-0036

Rating symbols

The following symbols give rating symbols, part of this set is 1F46A for Family rating

1F5F7	🗡	DAGGER KNIFE = rated for violence = hate = w-0149 → 1F52A 🔪 hocho
1F5F8	👄	LIPS = rated for sex = kiss = w-0150 → 1F48B 💋 kiss mark
1F5F9	🗣	SPEAKING HEAD SILHOUETTE = rated for strong language = w-0151

Map symbol

1F5FA	🗺	WORLD MAP = w-0251

Cultural symbols

1F5FB	🗻	MOUNT FUJI
1F5FC	🗼	TOKYO TOWER
1F5FD	🗽	STATUE OF LIBERTY
1F5FE	🗾	SILHOUETTE OF JAPAN
1F5FF	🗿	MOYAI • Japanese stone statue like Moai on Easter Island

	1F65	1F66	1F67
0	1F650	1F660	1F670
1	1F651	1F661	1F671
2	1F652	1F662	1F672
3	1F653	1F663	1F673
4	1F654	1F664	1F674
5	1F655	1F665	1F675
6	1F656	1F666	1F676
7	1F657	1F667	1F677
8	1F658	1F668	1F678
9	1F659	1F669	1F679
A	1F65A	1F66A	1F67A
B	1F65B	1F66B	1F67B
C	1F65C	1F66C	
D	1F65D	1F66D	
E	1F65E	1F66E	
F	1F65F	1F66F	

Leaf ornaments

1F650	☇	NORTH WEST POINTING LEAF
		= w-1209
1F651	☇	SOUTH WEST POINTING LEAF
		= w-1210
1F652	☇	NORTH EAST POINTING LEAF
		= w-1211
1F653	☇	SOUTH EAST POINTING LEAF
		= w-1212
1F654	☇	TURNED NORTH WEST POINTING LEAF
		= w-1206
1F655	☇	TURNED SOUTH WEST POINTING LEAF
		= w-1205
1F656	☇	TURNED NORTH EAST POINTING LEAF
		= w-1208
1F657	☇	TURNED SOUTH EAST POINTING LEAF
		= w-1207

Vine leaf ornaments

1F658	☙	NORTH WEST POINTING VINE LEAF
		= w-2102
1F659	☙	SOUTH WEST POINTING VINE LEAF
		= w-2103
1F65A	☙	NORTH EAST POINTING VINE LEAF
		= w-2101
1F65B	☙	SOUTH EAST POINTING VINE LEAF
		= w-2104
1F65C	☙	HEAVY NORTH WEST POINTING VINE LEAF
		= w-1155
1F65D	☙	HEAVY SOUTH WEST POINTING VINE LEAF
		= w-1156
1F65E	☙	HEAVY NORTH EAST POINTING VINE LEAF
		= w-1154
1F65F	☙	HEAVY SOUTH EAST POINTING VINE LEAF
		= w-1157

Pointing bud ornaments

1F660	☙	NORTH WEST POINTING BUD
		= w-1151
1F661	☙	SOUTH WEST POINTING BUD
		= w-1152
1F662	☙	NORTH EAST POINTING BUD
		= w-1150
1F663	☙	SOUTH EAST POINTING BUD
		= w-1153
1F664	☙	HEAVY NORTH WEST POINTING BUD
		= w-2098
1F665	☙	HEAVY SOUTH WEST POINTING BUD
		= w-2099
1F666	☙	HEAVY NORTH EAST POINTING BUD
		= w-2097
1F667	☙	HEAVY SOUTH EAST POINTING BUD
		= w-2100

Quilt square ornaments

1F668	�ख	HOLLOW QUILT SQUARE ORNAMENT
		= w-2147
1F669	◼	HOLLOW QUILT SQUARE ORNAMENT IN BLACK SQUARE
		= w-2148
1F66A	✺	SOLID QUILT SQUARE ORNAMENT
		= w-1203
		= fourfold knot ornament

1F66B	◼	SOLID QUILT SQUARE ORNAMENT IN BLACK SQUARE
		= w-1204
		= inverse fourfold knot ornament

Rocket ornaments

1F66C	➝	LEFTWARDS ROCKET
		= w-0247
		→ 1F680 🚀 rocket
1F66D	⥣	UPWARDS ROCKET
		= w-0249
1F66E	➛	RIGHTWARDS ROCKET
		= w-0248
1F66F	⥥	DOWNWARDS ROCKET
		= w-0250

ET ligature and ampersand ornaments

1F670	et	SCRIPT LIGATURE ET ORNAMENT
		= w-1106
		= italic ampersand lower case
1F671	et	HEAVY SCRIPT LIGATURE ET ORNAMENT
		= w-2089
1F672	&	LIGATURE OPEN ET ORNAMENT
		= w-2091
1F673	&	HEAVY LIGATURE OPEN ET ORNAMENT
		= w-2092
1F674	&	HEAVY AMPERSAND ORNAMENT
		= w-2090
1F675	&⟩	SWASH AMPERSAND ORNAMENT
		= w-1107
		= italic ampersand

Quotation mark ornaments

1F676	"	SANS-SERIF HEAVY DOUBLE TURNED COMMA QUOTATION MARK ORNAMENT
		= w-1125
		→ 275D ❝ heavy double turned comma quotation mark ornament
1F677	"	SANS-SERIF HEAVY DOUBLE COMMA QUOTATION MARK ORNAMENT
		= w-1126
		→ 275E ❞ heavy double comma quotation mark ornament
1F678	„	SANS-SERIF HEAVY LOW DOUBLE COMMA QUOTATION MARK ORNAMENT

Interrobang ornament

1F679	‽	HEAVY INTERROBANG ORNAMENT
		= w-2094
		= w-2096

Heavy solidus ornaments

1F67A	╱	VERY HEAVY SOLIDUS
		= w-0047
1F67B	╲	VERY HEAVY REVERSE SOLIDUS
		= w-0092

	1F68	1F69	1F6A	1F6B	1F6C	1F6D	1F6E	1F6F
0	1F680	1F690	1F6A0	1F6B0	1F6C0	1F6D0		
1	1F681	1F691	1F6A1	1F6B1	1F6C1	1F6D1		
2	1F682	1F692	1F6A2	1F6B2	1F6C2	1F6D2		
3	1F683	1F693	1F6A3	1F6B3	1F6C3	1F6D3		
4	1F684	1F694	1F6A4	1F6B4	1F6C4	1F6D4		
5	1F685	1F695	1F6A5	1F6B5	1F6C5			
6	1F686	1F696	1F6A6	1F6B6	1F6C6			
7	1F687	1F697	1F6A7	1F6B7	1F6C7			
8	1F688	1F698	1F6A8	1F6B8	1F6C8			
9	1F689	1F699	1F6A9	1F6B9	1F6C9			
A	1F68A	1F69A	1F6AA	1F6BA	1F6CA			
B	1F68B	1F69B	1F6AB	1F6BB	1F6CB			
C	1F68C	1F69C	1F6AC	1F6BC	1F6CC			
D	1F68D	1F69D	1F6AD	1F6BD	1F6CD			
E	1F68E	1F69E	1F6AE	1F6BE	1F6CE			
F	1F68F	1F69F	1F6AF	1F6BF				

Vehicles

1F680	🚀	ROCKET
1F681	🚁	HELICOPTER
		→ 2708 ✈ airplane
1F682	🚂	STEAM LOCOMOTIVE
1F683	🚃	RAILWAY CAR
1F684	🚄	HIGH-SPEED TRAIN
1F685	🚅	HIGH-SPEED TRAIN WITH BULLET NOSE
1F686	🚆	TRAIN
		= intercity train
1F687	🚇	METRO
		= subway, underground train
1F688	🚈	LIGHT RAIL
1F689	🚉	STATION
		= train, subway station
1F68A	🚊	TRAM
1F68B	🚋	TRAM CAR
1F68C	🚌	BUS
1F68D	🚍	ONCOMING BUS
1F68E	🚎	TROLLEYBUS
1F68F	🚏	BUS STOP
1F690	🚐	MINIBUS
1F691	🚑	AMBULANCE
1F692	🚒	FIRE ENGINE
1F693	🚓	POLICE CAR
1F694	🚔	ONCOMING POLICE CAR
1F695	🚕	TAXI
1F696	🚖	ONCOMING TAXI
1F697	🚗	AUTOMOBILE
1F698	🚘	ONCOMING AUTOMOBILE
1F699	🚙	RECREATIONAL VEHICLE
1F69A	🚚	DELIVERY TRUCK
		→ 26DF 🚛 black truck
1F69B	🚛	ARTICULATED LORRY
1F69C	🚜	TRACTOR
1F69D	🚝	MONORAIL
1F69E	🚞	MOUNTAIN RAILWAY
1F69F	🚟	SUSPENSION RAILWAY
1F6A0	🚠	MOUNTAIN CABLEWAY
1F6A1	🚡	AERIAL TRAMWAY
1F6A2	🚢	SHIP
		→ 26F4 ⛴ ferry
1F6A3	🚣	ROWBOAT
		→ 26F5 ⛵ sailboat
1F6A4	🚤	SPEEDBOAT

Traffic signs

1F6A5	🚥	HORIZONTAL TRAFFIC LIGHT
1F6A6	🚦	VERTICAL TRAFFIC LIGHT
1F6A7	🚧	CONSTRUCTION SIGN
		→ 26CF ⛏ pick
1F6A8	🚨	POLICE CARS REVOLVING LIGHT
		= rotating beacon

Signage and other symbols

1F6A9	🚩	TRIANGULAR FLAG ON POST
		= location information
		→ 26F3 ⛳ flag in hole
1F6AA	🚪	DOOR
1F6AB	🚫	NO ENTRY SIGN
		→ 20E0 ⃠ combining enclosing circle backslash
		→ 26D4 ⛔ no entry
1F6AC	🚬	SMOKING SYMBOL

1F6AD	🚭	NO SMOKING SYMBOL
1F6AE	🚮	PUT LITTER IN ITS PLACE SYMBOL
1F6AF	🚯	DO NOT LITTER SYMBOL
1F6B0	🚰	POTABLE WATER SYMBOL
1F6B1	🚱	NON-POTABLE WATER SYMBOL
1F6B2	🚲	BICYCLE
1F6B3	🚳	NO BICYCLES
1F6B4	🚴	BICYCLIST
1F6B5	🚵	MOUNTAIN BICYCLIST
1F6B6	🚶	PEDESTRIAN
		= walking
1F6B7	🚷	NO PEDESTRIANS
1F6B8	🚸	CHILDREN CROSSING
1F6B9	🚹	MENS SYMBOL
		= man symbol
		= men's restroom
1F6BA	🚺	WOMENS SYMBOL
		= woman symbol
		= women's restroom
1F6BB	🚻	RESTROOM
		= man and woman symbol with divider
		= unisex restroom
		→ 1F46B 👫 man and woman holding hands
1F6BC	🚼	BABY SYMBOL
		= baby on board, baby changing station
1F6BD	🚽	TOILET
1F6BE	🚾	WATER CLOSET
1F6BF	🚿	SHOWER
1F6C0	🛀	BATH
1F6C1	🛁	BATHTUB
1F6C2	🛂	PASSPORT CONTROL
1F6C3	🛃	CUSTOMS
1F6C4	🛄	BAGGAGE CLAIM
1F6C5	🛅	LEFT LUGGAGE

Vehicles

1F6C6	🛆	MOTOR BOAT SIDEWAYS
		= boat
		= w-0111
		→ 1F6A4 🚤 speedboat
1F6C7	🛇	SHIP AND OCEAN
		= ship
		= cruise line vacation
		= w-0084
		→ 1F6A2 🚢 ship
1F6C8	🛈	DIESEL LOCOMOTIVE WITH TERRAIN
		= train
		= w-0116
		→ 1F682 🚂 steam locomotive
		→ 1F686 🚆 train
1F6C9	🛉	UNDERGROUND TRAIN
		= metro
		= w-0117
		→ 1F687 🚇 metro
1F6CA	🛊	ONCOMING FIRE ENGINE
		= fire
		= w-0102
		→ 1F692 🚒 fire engine
1F6CB	🛋	BLACK AMBULANCE
		= medical
		= w-0104
		→ 1F691 🚑 ambulance
1F6CC	🛌	SMALL AIRPLANE
		= w-0106
		→ 2708 ✈ airplane

1F6CD	✈	AIRPLANE RISING
		= airplane
		= w-0241
1F6CE	🛰	SATELLITE
		= w-0107

Signages and other symbols

1F6D0	🧍	BOY SYMBOL
		= boy
		= w-0130
1F6D1	🧍	GIRL SYMBOL
		= girl
		= w-0131
1F6D2	🔗	SWADDLED BABY SYMBOL
		= baby
		= w-0132
		→ 1F6BC 🚼 baby symbol
1F6D3	△	TRIANGLE WITH ROUNDED CORNERS
		= caution
		= w-0234
		→ 25B3 △ white up-pointing triangle
1F6D4	ⓘ	CIRCLED INFORMATION SOURCE
		= information
		= w-0105

	1F78	1F79	1F7A	1F7B	1F7C	1F7D	1F7E	1F7F
0	◀ 1F780	◻ 1F790	◈ 1F7A0	✳ 1F7B0	⟁ 1F7C0	✦ 1F7D0		
1	▲ 1F781	◼ 1F791	＋ 1F7A1	✳ 1F7B1	⟁ 1F7C1	✺ 1F7D1		
2	▶ 1F782	◼ 1F792	＋ 1F7A2	✳ 1F7B2	▲ 1F7C2	✷ 1F7D2		
3	▼ 1F783	◼ 1F793	＋ 1F7A3	✳ 1F7B3	⟁ 1F7C3	✸ 1F7D3		
4	• 1F784	▣ 1F794	✚ 1F7A4	✴ 1F7B4	✦ 1F7C4	✺ 1F7D4		
5	○ 1F785	◼ 1F795	✚ 1F7A5	✳ 1F7B5	✦ 1F7C5			
6	◯ 1F786	▣ 1F796	✚ 1F7A6	✳ 1F7B6	◆ 1F7C6			
7	◉ 1F787	· 1F797	✚ 1F7A7	✳ 1F7B7	✦ 1F7C7			
8	◉ 1F788	◆ 1F798	✕ 1F7A8	✳ 1F7B8	✦ 1F7C8			
9	◉ 1F789	◆ 1F799	✕ 1F7A9	✳ 1F7B9	★ 1F7C9			
A	◉ 1F78A	◇ 1F79A	✕ 1F7AA	✳ 1F7BA	★ 1F7CA			
B	◎ 1F78B	◈ 1F79B	✕ 1F7AB	✳ 1F7BB	★ 1F7CB			
C	▪ 1F78C	◈ 1F79C	✖ 1F7AC	✳ 1F7BC	✦ 1F7CC			
D	▪ 1F78D	◆ 1F79D	✖ 1F7AD	✳ 1F7BD	✪ 1F7CD			
E	☐ 1F78E	◆ 1F79E	✖ 1F7AE	✳ 1F7BE	✺ 1F7CE			
F	☐ 1F78F	◆ 1F79F	✳ 1F7AF	✳ 1F7BF	✷ 1F7CF			

These geometric shapes originate from the Webdings/Wingdings collections.

Isosceles right triangles

1F780	◀	BLACK LEFT-POINTING ISOSCELES RIGHT TRIANGLE
		= w-3124
1F781	▲	BLACK UP-POINTING ISOSCELES RIGHT TRIANGLE
		= w-3126
1F782	▶	BLACK RIGHT-POINTING ISOSCELES RIGHT TRIANGLE
		= w-3125
1F783	▼	BLACK DOWN-POINTING ISOSCELES RIGHT TRIANGLE
		= w-3128

Black circle

Constitute a set as follows: 22C5, 2219, 1F784, 2022, 2981, 26AB, and 25CF

1F784	·	BLACK SLIGHTLY SMALL CIRCLE
		= black circle 3
		= w-2150

White circles

Adjective refers to the thickness of the ring.

Constitute a set as follows: 25CB, 2B58, 1F785..1F789.

1F785	○	MEDIUM BOLD WHITE CIRCLE
		= ring 3
		= w-2154
		→ 26AA ○ medium white circle
1F786	○	BOLD WHITE CIRCLE
		= ring 4
		= w-1162
		= very heavy circle
1F787	◎	HEAVY WHITE CIRCLE
		= ring 5
		= w-2155
1F788	◉	VERY HEAVY WHITE CIRCLE
		= ring 6
		= w-1163
1F789	◉	EXTREMELY HEAVY WHITE CIRCLE
		= ring 7
		= w-2156

White circle containing another black circle

Constitute a set as follows: 2299, 1F78A, and 29BF

1F78A	⊙	WHITE CIRCLE CONTAINING BLACK SMALL CIRCLE
		= ring button 2
		= w-1164

Target symbol

1F78B	◎	ROUND TARGET
		= w-1165
		→ 25CE ◎ bullseye
		→ 29BE ◎ circled white bullet
		→ 2B57 ◎ heavy circle with circle inside

Black squares

Constitute a set as follows: 1F78C, 2B1D, 1F78D, 25AA, 25FE, 25FC, and 2612

1F78C	·	BLACK TINY SQUARE
		= black square 1
		= w-2159

1F78D	▪	BLACK SLIGHTLY SMALL SQUARE
		= black square 3
		= w-2160

White squares

Constitute a set as follows: 25A1, 1F78D..1F792

1F78E	□	LIGHT WHITE SQUARE
		= box 2
		= w-1168
1F78F	□	MEDIUM WHITE SQUARE
		= box 3
		= w-1111
1F790	◻	BOLD WHITE SQUARE
		= box 4
		= w-1112
		= heavy white square
1F791	◻	HEAVY WHITE SQUARE
		= box 5
		= w-2164
1F792	◼	VERY HEAVY WHITE SQUARE
		= box 6
		= w-2165
1F793	◼	EXTREMELY HEAVY WHITE SQUARE
		= box 7
		= w-2166

White squares containing another black square

Constitute a set as follows: 1F794, 25A3, and 1F795

1F794	⊡	WHITE SQUARE CONTAINING BLACK VERY SMALL SQUARE
		= box button 1
		= w-2167
1F795	◼	WHITE SQUARE CONTAINING BLACK MEDIUM SQUARE
		= box button 3
		= w-2169

Target symbol

1F796	▣	SQUARE TARGET
		= w-2170

Black diamonds

Constitute a set as follows: 1F797, 1F798, 2B29, 1F799, 2B25, and 25C6

1F797	·	BLACK TINY DIAMOND
		= black diamond 1
		= w-2171
1F798	·	BLACK VERY SMALL DIAMOND
		= black diamond 2
		= w-2172
1F799	◆	BLACK MEDIUM SMALL DIAMOND
		= black diamond 4
		= w-1119

White diamonds containing another black diamond

Constitute a set as follows: 1F798, 25C8, and 1F799

1F79A	◇	WHITE DIAMOND CONTAINING BLACK VERY SMALL DIAMOND
		= diamond button 1
		= w-2176
1F79B	◈	WHITE DIAMOND CONTAINING BLACK MEDIUM DIAMOND
		= diamond button 3
		= w-2178

Target symbol

1F79C	◈	DIAMOND TARGET
		= w-2179

Lozenges

Constitute a set as follows: 1F79D, 1F79E, 2B2A, 1F79F, 2B27, 29EB, and 25CA

1F79D	·	BLACK TINY LOZENGE
		= black lozenge 1
		= w-2180
1F79E	◌	BLACK VERY SMALL LOZENGE
		= black lozenge 2
		= w-2181
1F79F	◆	BLACK MEDIUM SMALL LOZENGE
		= black lozenge 4
		= w-1115

White lozenge containing another black lozenge

1F7A0	◈	WHITE LOZENGE CONTAINING BLACK SMALL LOZENGE
		= lozenge button
		= w-2185

Greek crosses

1F7A1	+	THIN GREEK CROSS
		= cross 1
		= w-2198
1F7A2	+	LIGHT GREEK CROSS
		= cross 2
		= w-2199
1F7A3	+	MEDIUM GREEK CROSS
		= cross 3
		= w-2200
1F7A4	+	BOLD GREEK CROSS
		= cross 4
		= w-2201
1F7A5	+	VERY BOLD GREEK CROSS
		= cross 5
		= w-2202
1F7A6	+	VERY HEAVY GREEK CROSS
		= cross 6
		= w-2203
1F7A7	✚	EXTREMELY HEAVY GREEK CROSS
		= cross 7
		= w-2204

Saltires

1F7A8	×	THIN SALTIRE
		= x 1
		= w-2205
1F7A9	×	LIGHT SALTIRE
		= x 2
		= w-2206
1F7AA	×	MEDIUM SALTIRE
		= x 3
		= w-2207
1F7AB	×	BOLD SALTIRE
		= x 4
		= w-2208
1F7AC	✖	HEAVY SALTIRE
		= x 5
		= w-2209
1F7AD	✖	VERY HEAVY SALTIRE
		= x 6
		= w-2210
1F7AE	✖	EXTREMELY HEAVY SALTIRE
		= x 7
		= w-2211

Five spoked asterisks

1F7AF	✭	LIGHT FIVE SPOKED ASTERISK
		= w-2212
1F7B0	✭	MEDIUM FIVE SPOKED ASTERISK
		= w-2213
1F7B1	✭	BOLD FIVE SPOKED ASTERISK
		= w-2214
1F7B2	✭	HEAVY FIVE SPOKED ASTERISK
		= w-2215
1F7B3	✭	VERY HEAVY FIVE SPOKED ASTERISK
		= w-2216
1F7B4	✹	EXTREMELY HEAVY FIVE SPOKED ASTERISK
		= w-2217

Six spoked asterisks

1F7B5	✳	LIGHT SIX SPOKED ASTERISK
		= w-2218
1F7B6	✳	MEDIUM SIX SPOKED ASTERISK
		= w-2219
1F7B7	✳	BOLD SIX SPOKED ASTERISK
		= w-2220
1F7B8	✳	HEAVY SIX SPOKED ASTERISK
		= w-2221
1F7B9	✱	VERY HEAVY SIX SPOKED ASTERISK
		= w-2222
1F7BA	✻	EXTREMELY HEAVY SIX SPOKED ASTERISK
		= w-2223

Eight spoked asterisks

1F7BB	✳	LIGHT EIGHT SPOKED ASTERISK
		= w-2224
1F7BC	✳	MEDIUM EIGHT SPOKED ASTERISK
		= w-2225
1F7BD	✳	BOLD EIGHT SPOKED ASTERISK
		= w-2226
1F7BE	✳	HEAVY EIGHT SPOKED ASTERISK
		= w-2227
1F7BF	✳	VERY HEAVY EIGHT SPOKED ASTERISK
		= w-2228

Three pointed stars

1F7C0	⏶	LIGHT THREE POINTED BLACK STAR
		= w-2229
1F7C1	⏶	MEDIUM THREE POINTED BLACK STAR
		= w-1169
1F7C2	▲	THREE POINTED BLACK STAR
		= w-2230
1F7C3	⏶	MEDIUM THREE POINTED PINWHEEL STAR
		= w-2241

Four pointed stars

1F7C4	✦	LIGHT FOUR POINTED BLACK STAR
		= w-2231
1F7C5	✦	MEDIUM FOUR POINTED BLACK STAR
		= w-1170
1F7C6	✦	FOUR POINTED BLACK STAR
		= w-2232
		• 2726 ✦ black four pointed star is a cusp
		→ 2726 ✦ black four pointed star
1F7C7	✦	MEDIUM FOUR POINTED PINWHEEL STAR
		= w-2242
1F7C8	✦	REVERSE LIGHT FOUR POINTED PINWHEEL STAR
		= w-0108
		= navigate

Five pointed stars

Constitute a set as follows: 1F7C6, 2605, 1F7C7, and 272F

1F7C9	★	LIGHT FIVE POINTED BLACK STAR
		= w-2233
1F7CA	★	HEAVY FIVE POINTED BLACK STAR
		= w-2234

Six pointed stars

Constitute a set as follows: 2736, 1F7C8..1F7CA

1F7CB	✶	MEDIUM SIX POINTED BLACK STAR
		= w-1172
1F7CC	✶	HEAVY SIX POINTED BLACK STAR
		= w-2236
1F7CD	✶	SIX POINTED PINWHEEL STAR
		= w-2244

Eight pointed stars

Constitute a set with 2735, other two: 2737 and 2738 are oriented differently

1F7CE	✴	MEDIUM EIGHT POINTED BLACK STAR
		= w-2237
		→ 2737 ✴ eight pointed rectilinear black star
1F7CF	✴	HEAVY EIGHT POINTED BLACK STAR
		= w-1173
		→ 2738 ✴ heavy eight pointed rectilinear black star
1F7D0	✦	VERY HEAVY EIGHT POINTED BLACK STAR
		= w-2238
1F7D1	✸	HEAVY EIGHT POINTED PINWHEEL STAR
		= w-1175
		→ 2735 ✸ eight pointed pinwheel star

Twelve pointed stars

Constitute a set as follows: 1F7CF, 2739, 1F7D0, and 1F7D1

1F7D2	✴	LIGHT TWELVE POINTED BLACK STAR
		= w-2239
1F7D3	✴	HEAVY TWELVE POINTED BLACK STAR
		= w-1174
1F7D4	✺	HEAVY TWELVE POINTED PINWHEEL STAR
		= w-2245

	1F80	1F81	1F82	1F83	1F84	1F85	1F86	1F87	1F88	1F89	1F8A	1F8B	1F8C	1F8D	1F8E	1F8F
0	1F800	1F810	1F820	1F830	1F840	1F850	1F860	1F870	1F880	1F890						
1	1F801	1F811	1F821	1F831	1F841	1F851	1F861	1F871	1F881	1F891						
2	1F802	1F812	1F822	1F832	1F842	1F852	1F862	1F872	1F882	1F892						
3	1F803	1F813	1F823	1F833	1F843	1F853	1F863	1F873	1F883	1F893						
4	1F804	1F814	1F824	1F834	1F844	1F854	1F864	1F874	1F884	1F894						
5	1F805	1F815	1F825	1F835	1F845	1F855	1F865	1F875	1F885	1F895						
6	1F806		1F826	1F836	1F846	1F856	1F866	1F876	1F886	1F896						
7	1F807		1F827	1F837	1F847	1F857	1F867	1F877	1F887	1F897						
8	1F808	1F818	1F828	1F838	1F848	1F858	1F868	1F878	1F888	1F898						
9	1F809	1F819	1F829	1F839	1F849	1F859	1F869	1F879	1F889	1F899						
A	1F80A	1F81A	1F82A	1F83A	1F84A	1F85A	1F86A	1F87A	1F88A	1F89A						
B	1F80B	1F81B	1F82B	1F83B	1F84B	1F85B	1F86B	1F87B	1F88B	1F89B						
C	1F80C	1F81C	1F82C	1F83C	1F84C	1F85C	1F86C	1F87C	1F88C							
D	1F80D	1F81D	1F82D	1F83D	1F84D	1F85D	1F86D	1F87D	1F88D							
E	1F80E	1F81E	1F82E	1F83E	1F84E	1F85E	1F86E	1F87E	1F88E							
F	1F80F	1F81F	1F82F	1F83F	1F84F	1F85F	1F86F	1F87F	1F88F							

Arrows with small triangle arrowhead

1F800	←	LEFTWARDS ARROW WITH SMALL TRIANGLE ARROWHEAD = w-3153
1F801	↑	UPWARDS ARROW WITH SMALL TRIANGLE ARROWHEAD = w-3155
1F802	→	RIGHTWARDS ARROW WITH SMALL TRIANGLE ARROWHEAD = w-3154
1F803	↓	DOWNWARDS ARROW WITH SMALL TRIANGLE ARROWHEAD = w-3156

Arrows with medium triangle arrowhead

1F804	←	LEFTWARDS ARROW WITH MEDIUM TRIANGLE ARROWHEAD = w-3157
1F805	↑	UPWARDS ARROW WITH MEDIUM TRIANGLE ARROWHEAD = w-3159
1F806	→	RIGHTWARDS ARBROW WITH MEDIUM TRIANGLE ARROWHEAD = w-3158
1F807	↓	DOWNWARDS ARROW WITH MEDIUM TRIANGLE ARROWHEAD = w-3160

Arrows with large triangle arrowhead

1F808	←	LEFTWARDS ARROW WITH LARGE TRIANGLE ARROWHEAD = w-3161
1F809	↑	UPWARDS ARROW WITH LARGE TRIANGLE ARROWHEAD = w-3163
1F80A	→	RIGHTWARDS ARROW WITH LARGE TRIANGLE ARROWHEAD = w-3162
1F80B	↓	DOWNWARDS ARROW WITH LARGE TRIANGLE ARROWHEAD = w-3164

Sans-serif arrows

1F80C	←	LEFTWARDS SANS-SERIF ARROW = w-3102 → 2190 ← leftwards arrow
1F80D	↑	UPWARDS SANS-SERIF ARROW = w-3104 → 2191 ↑ upwards arrow
1F80E	→	RIGHTWARDS SANS-SERIF ARROW = w-3103 → 2192 → rightwards arrow
1F80F	↓	DOWNWARDS SANS-SERIF ARROW = w-3105 → 2193 ↓ downwards arrow
1F810	↔	LEFT RIGHT SANS-SERIF ARROW = w-3110 → 2194 ↔ left right arrow
1F811	↕	UP DOWN SANS-SERIF ARROW = w-3111 → 2195 ↕ up down arrow
1F812	↖	NORTH WEST SANS-SERIF ARROW = w-3106 → 2196 ↖ north west arrow
1F813	↗	NORTH EAST SANS-SERIF ARROW = w-3107 → 2197 ↗ north east arrow

1F814	↘	SOUTH EAST SANS-SERIF ARROW = w-3109 → 2198 ↘ south east arrow
1F815	↙	SOUTH WEST SANS-SERIF ARROW = w-3108 → 2199 ↙ south west arrow

Arrows with small equilateral arrowhead

1F818	←	LEFTWARDS ARROW WITH SMALL EQUILATERAL ARROWHEAD = w-3137
1F819	↑	UPWARDS ARROW WITH SMALL EQUILATERAL ARROWHEAD = w-3139
1F81A	→	RIGHTWARDS ARROW WITH SMALL EQUILATERAL ARROWHEAD = w-3138
1F81B	↓	DOWNWARDS ARROW WITH SMALL EQUILATERAL ARROWHEAD = w-3140

Arrows with equilateral arrowhead

1F81C	←	LEFTWARDS ARROW WITH EQUILATERAL ARROWHEAD = w-3141
1F81D	↑	UPWARDS ARROW WITH EQUILATERAL ARROWHEAD = w-3143
1F81E	→	RIGHTWARDS ARROW WITH EQUILATERAL ARROWHEAD = w-3142
1F81F	↓	DOWNWARDS ARROW WITH EQUILATERAL ARROWHEAD = w-3144

Heavy arrows with equilateral arrowhead

1F820	←	HEAVY LEFTWARDS ARROW WITH EQUILATERAL ARROWHEAD = w-3145
1F821	↑	HEAVY UPWARDS ARROW WITH EQUILATERAL ARROWHEAD = w-3147
1F822	→	HEAVY RIGHTWARDS ARROW WITH EQUILATERAL ARROWHEAD = w-3146
1F823	↓	HEAVY DOWNWARDS ARROW WITH EQUILATERAL ARROWHEAD = w-3148

Heavy arrows with large equilateral arrowhead

1F824	←	HEAVY LEFTWARDS ARROW WITH LARGE EQUILATERAL ARROWHEAD = w-3149
1F825	↑	HEAVY UPWARDS ARROW WITH LARGE EQUILATERAL ARROWHEAD = w-3151
1F826	→	HEAVY RIGHTWARDS ARROW WITH LARGE EQUILATERAL ARROWHEAD = w-3150
1F827	↓	HEAVY DOWNWARDS ARROW WITH LARGE EQUILATERAL ARROWHEAD = w-3152

Triangle headed arrows with narrow shaft

1F828	←	LEFTWARDS TRIANGLE-HEADED ARROW WITH NARROW SHAFT = w-3165
1F829	↑	UPWARDS TRIANGLE-HEADED ARROW WITH NARROW SHAFT

| 1F82A | → | RIGHTWARDS TRIANGLE-HEADED ARROW WITH NARROW SHAFT
= w-3166 |
| 1F82B | ↓ | DOWNWARDS TRIANGLE-HEADED ARROW WITH NARROW SHAFT |

Triangle headed arrows with medium shaft

1F82C	←	LEFTWARDS TRIANGLE-HEADED ARROW WITH MEDIUM SHAFT = w-3167
1F82D	↑	UPWARDS TRIANGLE-HEADED ARROW WITH MEDIUM SHAFT
1F82E	→	RIGHTWARDS TRIANGLE-HEADED ARROW WITH MEDIUM SHAFT = w-3168
1F82F	↓	DOWNWARDS TRIANGLE-HEADED ARROW WITH MEDIUM SHAFT

Triangle headed arrows with bold shaft

1F830	←	LEFTWARDS TRIANGLE-HEADED ARROW WITH BOLD SHAFT = w-3169
1F831	↑	UPWARDS TRIANGLE-HEADED ARROW WITH BOLD SHAFT
1F832	→	RIGHTWARDS TRIANGLE-HEADED ARROW WITH BOLD SHAFT = w-3170
1F833	↓	DOWNWARDS TRIANGLE-HEADED ARROW WITH BOLD SHAFT

Triangle headed arrows with heavy shaft

1F834	←	LEFTWARDS TRIANGLE-HEADED ARROW WITH HEAVY SHAFT = w-3171
1F835	↑	UPWARDS TRIANGLE-HEADED ARROW WITH HEAVY SHAFT
1F836	→	RIGHTWARDS TRIANGLE-HEADED ARROW WITH HEAVY SHAFT = w-3176
1F837	↓	DOWNWARDS TRIANGLE-HEADED ARROW WITH HEAVY SHAFT

Triangle headed arrows with very heavy shaft

1F838	←	LEFTWARDS TRIANGLE-HEADED ARROW WITH VERY HEAVY SHAFT = w-3177
1F839	↑	UPWARDS TRIANGLE-HEADED ARROW WITH VERY HEAVY SHAFT
1F83A	→	RIGHTWARDS TRIANGLE-HEADED ARROW WITH VERY HEAVY SHAFT = w-3178
1F83B	↓	DOWNWARDS TRIANGLE-HEADED ARROW WITH VERY HEAVY SHAFT

Finger-post arrows

1F83C	←	LEFTWARDS FINGER-POST ARROW = w-3179
1F83D	↑	UPWARDS FINGER-POST ARROW
1F83E	→	RIGHTWARDS FINGER-POST ARROW = w-3180
1F83F	↓	DOWNWARDS FINGER-POST ARROW

Squared arrows

1F840	←	LEFTWARDS SQUARED ARROW = w-3181
1F841	↑	UPWARDS SQUARED ARROW = w-3183
1F842	→	RIGHTWARDS SQUARED ARROW = w-3182

| 1F843 | ↓ | DOWNWARDS SQUARED ARROW
= w-3184 |

Compressed arrows

1F844	←	LEFTWARDS COMPRESSED ARROW = w-3189
1F845	↑	UPWARDS COMPRESSED ARROW = w-3191
1F846	→	RIGHTWARDS COMPRESSED ARROW = w-3190
1F847	←	DOWNWARDS COMPRESSED ARROW = w-3192

Heavy compressed arrows

1F848	←	LEFTWARDS HEAVY COMPRESSED ARROW = w-3193
1F849	↑	UPWARDS HEAVY COMPRESSED ARROW = w-3195
1F84A	→	RIGHTWARDS HEAVY COMPRESSED ARROW = w-3194 → 27A7 ➧ squat black rightwards arrow
1F84B	←	DOWNWARDS HEAVY COMPRESSED ARROW = w-3196

Heavy arrows

1F84C	←	LEFTWARDS HEAVY ARROW = w-3197
1F84D	↑	UPWARDS HEAVY ARROW = w-3199
1F84E	→	RIGHTWARDS HEAVY ARROW = w-3198
1F84F	↓	DOWNWARDS HEAVY ARROW = w-3200

Wide-headed light barb arrows

1F850	←	WIDE-HEADED LEFTWARDS LIGHT BARB ARROW = w-3209
1F851	↑	WIDE-HEADED UPWARDS LIGHT BARB ARROW = w-3211
1F852	→	WIDE-HEADED RIGHTWARDS LIGHT BARB ARROW = w-3210
1F853	↓	WIDE-HEADED DOWNWARDS LIGHT BARB ARROW = w-3212
1F854	↖	WIDE-HEADED NORTH WEST LIGHT BARB ARROW = w-3213
1F855	↗	WIDE-HEADED NORTH EAST LIGHT BARB ARROW = w-3214
1F856	↘	WIDE-HEADED SOUTH EAST LIGHT BARB ARROW = w-3216
1F857	↙	WIDE-HEADED SOUTH WEST LIGHT BARB ARROW = w-3215

Wide-headed barb arrows

1F858	←	WIDE-HEADED LEFTWARDS BARB ARROW = w-1223
1F859	↑	WIDE-HEADED UPWARDS BARB ARROW = w-1225
1F85A	→	WIDE-HEADED RIGHTWARDS BARB ARROW = w-1224
1F85B	↓	WIDE-HEADED DOWNWARDS BARB ARROW = w-1226

1F85C	↖	WIDE-HEADED NORTH WEST BARB ARROW
		= w-1227
1F85D	↗	WIDE-HEADED NORTH EAST BARB ARROW
		= w-1228
1F85E	↘	WIDE-HEADED SOUTH EAST BARB ARROW
		= w-1230
1F85F	↙	WIDE-HEADED SOUTH WEST BARB ARROW
		= w-1229

Wide-headed medium barb arrows

1F860	←	WIDE-HEADED LEFTWARDS MEDIUM BARB ARROW
		= w-3217
1F861	↑	WIDE-HEADED UPWARDS MEDIUM BARB ARROW
		= w-3219
1F862	→	WIDE-HEADED RIGHTWARDS MEDIUM BARB ARROW
		= w-3218
		→ 2794 ➔ heavy wide-headed rightwards arrow
1F863	↓	WIDE-HEADED DOWNWARDS MEDIUM BARB ARROW
		= w-3220
1F864	↖	WIDE-HEADED NORTH WEST MEDIUM BARB ARROW
		= w-3221
1F865	↗	WIDE-HEADED NORTH EAST MEDIUM BARB ARROW
		= w-3222
1F866	↘	WIDE-HEADED SOUTH EAST MEDIUM BARB ARROW
		= w-3224
1F867	↙	WIDE-HEADED SOUTH WEST MEDIUM BARB ARROW
		= w-3223

Wide-headed heavy barb arrows

1F868	←	WIDE-HEADED LEFTWARDS HEAVY BARB ARROW
		= w-1231
1F869	↑	WIDE-HEADED UPWARDS HEAVY BARB ARROW
		= w-1233
1F86A	→	WIDE-HEADED RIGHTWARDS HEAVY BARB ARROW
		= w-1232
1F86B	↓	WIDE-HEADED DOWNWARDS HEAVY BARB ARROW
		= w-1234
1F86C	↖	WIDE-HEADED NORTH WEST HEAVY BARB ARROW
		= w-1235
1F86D	↗	WIDE-HEADED NORTH EAST HEAVY BARB ARROW
		= w-1236
1F86E	↘	WIDE-HEADED SOUTH EAST HEAVY BARB ARROW
		= w-1238
1F86F	↙	WIDE-HEADED SOUTH WEST HEAVY BARB ARROW
		= w-1237

Wide-headed very heavy barb arrows

1F870	←	WIDE-HEADED LEFTWARDS VERY HEAVY BARB ARROW
		= w-3225

1F871	↑	WIDE-HEADED UPWARDS VERY HEAVY BARB ARROW
		= w-3227
1F872	→	WIDE-HEADED RIGHTWARDS VERY HEAVY BARB ARROW
		= w-3226
1F873	↓	WIDE-HEADED DOWNWARDS VERY HEAVY BARB ARROW
		= w-3228
1F874	↖	WIDE-HEADED NORTH WEST VERY HEAVY BARB ARROW
		= w-3229
1F875	↗	WIDE-HEADED NORTH EAST VERY HEAVY BARB ARROW
		= w-3230
1F876	↘	WIDE-HEADED SOUTH EAST VERY HEAVY BARB ARROW
		= w-3232
1F877	↙	WIDE-HEADED SOUTH WEST VERY HEAVY BARB ARROW
		= w-3231

Arrowheads

These sets are narrower than the dingbats set

1F878	◁	THREE-D TOP-LIGHTED LEFTWARDS EQUILATERAL ARROWHEAD
		= w-1215
1F879	△	THREE-D RIGHT-LIGHTED UPWARDS EQUILATERAL ARROWHEAD
		= w-1217
1F87A	▷	THREE-D TOP-LIGHTED RIGHTWARDS EQUILATERAL ARROWHEAD
		= w-1216
		→ 27A2 ➢ three-d top-lighted rightwards arrowhead
1F87B	▽	THREE-D LEFT-LIGHTED DOWNWARDS EQUILATERAL ARROWHEAD
		= w-1218
1F87C	◀	BLACK LEFTWARDS EQUILATERAL ARROWHEAD
		= w-3133
1F87D	▲	BLACK UPWARDS EQUILATERAL ARROWHEAD
		= w-3135
1F87E	▶	BLACK RIGHTWARDS EQUILATERAL ARROWHEAD
		= w-3134
		→ 27A4 ➤ black rightwards arrowhead
1F87F	▼	BLACK DOWNWARDS EQUILATERAL ARROWHEAD
		= w-3136
1F880	‹	LEFTWARDS TRIANGLE ARROWHEAD
		= w-3233
		= draw left
1F881	ˏ	UPWARDS TRIANGLE ARROWHEAD
		= w-3235
		= draw up
1F882	›	RIGHTWARDS TRIANGLE ARROWHEAD
		= w-3234
		= draw right
1F883	ˎ	DOWNWARDS TRIANGLE ARROWHEAD
		= w-3236
		= draw down
1F884	‹	LEFTWARDS WHITE ARROW WITHIN TRIANGLE ARROWHEAD
		= w-3237
		= draw double left

1F885	⌃	UPWARDS WHITE ARROW WITHIN TRIANGLE ARROWHEAD

= w-3239
= draw double up

1F886	▷	RIGHTWARDS WHITE ARROW WITHIN TRIANGLE ARROWHEAD

= w-3238
= draw double right

1F887	⌄	DOWNWARDS WHITE ARROW WITHIN TRIANGLE ARROWHEAD

= w-3240
= draw double down

Notched arrows

1F888	⬸	LEFTWARDS ARROW WITH NOTCHED TAIL

= w-3185

1F889	⬷	UPWARDS ARROW WITH NOTCHED TAIL

= w-3187

1F88A	➡	RIGHTWARDS ARROW WITH NOTCHED TAIL

= w-3186
→ 27AF ⇨ notched lower right-shadowed white rightwards arrow

1F88B	⬇	DOWNWARDS ARROW WITH NOTCHED TAIL

= w-3188

Heavy arrow shaft

Vertical alignment and thickness compatible with heavy shaft arrows

1F88C	▪	HEAVY ARROW SHAFT WIDTH ONE

= w-3172

1F88D	▪	HEAVY ARROW SHAFT WIDTH TWO THIRDS

= w-3173

1F88E	·	HEAVY ARROW SHAFT WIDTH ONE HALF

= w-3174

1F88F	·	HEAVY ARROW SHAFT WIDTH ONE THIRD

= w-3175

Shaded white arrows

1F890	⇦	LEFTWARDS BOTTOM-SHADED WHITE ARROW

= w-3090

1F891	⇨	RIGHTWARDS BOTTOM SHADED WHITE ARROW

= w-3091

1F892	⇦	LEFTWARDS TOP SHADED WHITE ARROW

= w-3092

1F893	⇨	RIGHTWARDS TOP SHADED WHITE ARROW

= w-3093

1F894	⇦	LEFTWARDS LEFT-SHADED WHITE ARROW

= w-3094

1F895	⇨	RIGHTWARDS RIGHT-SHADED WHITE ARROW

= w-3095
→ 27A9 ⇨ right-shaded white rightwards arrow

1F896	⇦	LEFTWARDS RIGHT-SHADED WHITE ARROW

= w-3096

1F897	⇨	RIGHTWARDS LEFT-SHADED WHITE ARROW

= w-3097
→ 27AA ⇨ left-shaded white rightwards arrow

1F898	⇦	LEFTWARDS BACK-TILTED SHADOWED WHITE ARROW

= w-3098

1F899	⇨	RIGHTWARDS BACK-TILTED SHADOWED WHITE ARROW

= w-3099
→ 27AB ⇨ back-tilted shadowed white rightwards arrow

1F89A	⇦	LEFTWARDS FRONT-TILTED SHADOWED WHITE ARROW

= w-3100

1F89B	⇨	RIGHTWARDS FRONT-TILTED SHADOWED WHITE ARROW

= w-3101
→ 27AC ⇨ front-tilted shadowed white rightwards arrow