

# UC Berkeley

## Proposals from the Script Encoding Initiative

### Title

Status of encoding of Wingdings and Webdings Symbols

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### Author

Suignard, Michel

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## Summary

The following document describes the status of encoding of four popular symbol sets: Webdings, Wingdings, Wingdings 2, and Wingdings 3. These sets contain **867** characters. These were accommodated as follows:

- **509** characters have been proposed for addition in Amendment 1 (FDAM1),
- **86** characters have been proposed for addition in Amendment 2 (DAM 2),
- **266** characters were unified with existing characters,
- **5** characters were unified between the Webdings and the Wingdings sets, 2 of those would have been of the Amd1 set, the remaining 3 were part of the unified set.
- **1** character was not proposed for encoding, based on trademark issue.

The document does not cover the background and rationale. For those topics, please refer to the documents mentioned in the reference lines above. However, it can be used as a reference for discussion concerning Amendment 1 and 2 related to these characters, especially in the context of disposing of ballot comments. It reflects changes made when disposing of pdam2.2 comments, the Amendment 1 content (509 characters) is now frozen.

## Acknowledgements

This work would not have been possible without the earlier work by Asmus Freytag, Michael Everson, and Debbie Anderson who contributed extensively to the analysis of these symbols.

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## 1. Notation

To facilitate identification, the 4 sets have been identified as such:

- Webdings (w-0033..w-00255),
- Wingdings (w-1033..w-1255),
- Wingdings2 (w-2033-w-2255),
- Wingdings3 (w-3033..w-3255).

These identifiers are used in all column headed by 'Glyph ID' or 'Wingdings ID' with the 'w-' prefix removed; for example '3153' represents 'w-3153'.

## 2. Source separation

The set is not currently subject to source separation as a whole. When 2 glyphs are the same across these 4 symbol set, they are assigned to the same character. There are currently five cases of such unification:

- 272F (existing character) for w-0152 and w-2243,
- 29B8 (existing character) for w-0120 and w-2088,
- 1F4CB (existing character) for w-0164 and w-2050,
- 1F56E (proposed character) for w-0167 and w-1038,
- 1F583 (proposed character) for w-0155 and w-1043.

There is however a de facto source separation for each of the two sources; Wingdings and Webdings. In other words, all Wingdings have a unique mapping and all Webdings have a unique mapping. The only intersections occur between Wingdings and Webdings,

### 3. Unification and glyph changes consideration

The following Wingdings characters have glyphs which are similar to already encoded characters and as such have been unified. In some cases, it was deemed preferable to change the UCS representative glyph to be (or be closer to) the Wingdings glyph. Note that none of these glyph changes affected the Dingbat block.

The following table should be considered as background information to make future decision about the eventual glyph to use for these code points: either keep the existing UCS one, or adopt the Wingdings one, or something in between.











































The status column contains three values:



- **blank**, in that case the UCS glyph is still used for chart production and was unchanged.
- **'x'** indicating that the Webdings glyphs replaced the original UCS glyphs. In that case, the UCS glyph column shows the UCS glyphs from the previous version of the standard (pre Amendment 1) unless blank for production issues (white arrows), and the Wingdings glyphs are the ones in the current chart production for these already encoded characters.
- **'y'** indicating that the UCS glyphs were modified to better accommodate the unification but are still different from the Webdings glyphs.

Wing dings ID	Wing dings glyph	UCS	UCS glyph	Status	Name and comment
1159	●	2022	●		BULLET
2248	⌘	203B	⌘		REFERENCE MARK
2093	‡	203D	‡		INTERROBANG
2249	* **	2042	* **		ASTERISM
1239	←	21E6		x	LEFTWARDS WHITE ARROW
1241	↑	21E7		x	UPWARDS WHITE ARROW
1240	→	21E8		x	RIGHTWARDS WHITE ARROW
1242	↓	21E9		x	DOWNWARDS WHITE ARROW
3088	⇧	21EA	⇧		UPWARDS WHITE ARROW FROM BAR
1244	⇕	21F3		x	UP DOWN WHITE ARROW
1158	•	2219	•		BULLET OPERATOR
0121	⊖	2296	⊖		CIRCLED MINUS
2157	⊙	2299	⊙		CIRCLED DOT OPERATOR
2149	.	22C5	.		DOT OPERATOR











































Wing dings ID	Wing dings glyph	UCS	UCS glyph	Status	Name and comment
3084	^	2303	^	x	UP ARROWHEAD
1177	⊕	2316	⊕	x	POSITION INDICATOR
1122	⌘	2318	⌘		PLACE OF INTEREST SIGN
3083	↖	2324	↖	x	UP ARROWHEAD BETWEEN TWO HORIZONTAL BARS
3085	↵	2325	↵		OPTION KEY
1214	⊗	2326	⊗	x	ERASE TO THE RIGHT
1120	⊠	2327	⊠	x	X IN A RECTANGLE BOX
1213	⊞	232B	⊞	x	ERASE TO THE LEFT
3087	└	237D	└		SHOULDERED OPEN BOX
3082	↶	238B	↶	x	BROKEN CIRCLE WITH NORTHWEST ARROW
0124		23D0			VERTICAL LINE EXTENSION
0056	▶▶	23E9	▶▶		BLACK RIGHT-POINTING DOUBLE TRIANGLE
0055	◀◀	23EA	◀◀		BLACK LEFT-POINTING DOUBLE TRIANGLE
0058	▶▶	23ED	▶▶		BLACK RIGHT-POINTING DOUBLE TRIANGLE WITH VERTICAL BAR
0057	◀◀	23EE	◀◀		BLACK LEFT-POINTING DOUBLE TRIANGLE WITH VERTICAL BAR
1054	⌚	23F3	⌚		HOURLASS WITH FLOWING SAND
3086	└	2423	└		OPEN BOX
2106	①	2460	①		CIRCLED DIGIT ONE
2107	②	2461	②		CIRCLED DIGIT TWO
2108	③	2462	③		CIRCLED DIGIT THREE
2109	④	2463	④		CIRCLED DIGIT FOUR
2110	⑤	2464	⑤		CIRCLED DIGIT FIVE

Wing dings ID	Wing dings glyph	UCS	UCS glyph	Status	Name and comment
2111	⑥	2465	⑥		CIRCLED DIGIT SIX
2112	⑦	2466	⑦		CIRCLED DIGIT SEVEN
2113	⑧	2467	⑧		CIRCLED DIGIT EIGHT
2114	⑨	2468	⑨		CIRCLED DIGIT NINE
2115	⑩	2469	⑩		CIRCLED DIGIT TEN
0232	Ⓟ	24C5	Ⓟ		CIRCLED CAPITAL LETTER P
2105	⓪	24EA	⓪		CIRCLED DIGIT ZERO
2116	⓪	24FF	⓪	x	NEGATIVE CIRCLED DIGIT ZERO
2162	■	25A0	■		BLACK SQUARE
2163	□	25A1	□		WHITE SQUARE
2168	◼	25A3	◼		WHITE SQUARE CONTAINING BLACK SMALL SQUARE
1167	▪	25AA	▪		BLACK SMALL SQUARE
3112	▲	25B2	▲		BLACK UP-POINTING TRIANGLE
3114	△	25B3	△		WHITE UP-POINTING TRIANGLE
3117	▶	25B6	▶		BLACK RIGHT-POINTING TRIANGLE
3119	▷	25B7	▷		WHITE RIGHT-POINTING TRIANGLE
3113	▼	25BC	▼		BLACK DOWN-POINTING TRIANGLE
3115	▽	25BD	▽		WHITE DOWN-POINTING TRIANGLE
3116	◀	25C0	◀		BLACK LEFT-POINTING TRIANGLE
3118	◁	25C1	◁		WHITE LEFT-POINTING TRIANGLE
1117	◆	25C6	◆		BLACK DIAMOND
2175	◇	25C7	◇		WHITE DIAMOND
















































Wing dings ID	Wing dings glyph	UCS	UCS glyph	Status	Name and comment
2177		25C8			WHITE DIAMOND CONTAINING BLACK SMALL DIAMOND
2184		25CA			LOZENGE
2153		25CB			WHITE CIRCLE
2152		25CF			BLACK CIRCLE
2186		25D6			LEFT HALF BLACK CIRCLE
2187		25D7			RIGHT HALF BLACK CIRCLE
3121		25E2			BLACK LOWER RIGHT TRIANGLE
3120		25E3			BLACK LOWER LEFT TRIANGLE
3122		25E4			BLACK UPPER LEFT TRIANGLE
3123		25E5			BLACK UPPER RIGHT TRIANGLE
1110		25FC			BLACK MEDIUM SQUARE
2161		25FE			BLACK MEDIUM SMALL SQUARE
0217		2601			CLOUD (used to be black in UCS)
1171		2605			BLACK STAR
2128		2609			SUN
2082		2611			BALLOT BOX WITH CHECK
2084		2612			BALLOT BOX WITH X
1069		261C			WHITE LEFT POINTING INDEX
1071		261D			WHITE UP POINTING INDEX
1070		261E			WHITE RIGHT POINTING INDEX
1090		262A			STAR AND CRESCENT

Wing dings ID	Wing dings glyph	UCS	UCS glyph	Status	Name and comment
1091		262F			YIN YANG
1093		2638			WHEEL OF DHARMA
1076		2639			WHITE FROWNING FACE
1074		263A			WHITE SMILING FACE
1082		263C			WHITE SUN WITH RAYS
2130		263D			FIRST QUARTER MOON
2131		263E			LAST QUARTER MOON
1094		2648			ARIES
1095		2649			TAURUS
1096		264A			GEMINI
1097		264B			CANCER
1098		264C			LEO
1099		264D			VIRGO
1100		264E			LIBRA
1101		264F			SCORPIUS
1102		2650			SAGITTARIUS
1103		2651			CAPRICORN
1104		2652			AQUARIUS
1105		2653			PISCES
0233		267F			WHEELCHAIR SYMBOL
1108		26AB			MEDIUM BLACK CIRCLE
0119		26F3			FLAG ON POLE
0135		26F7			SKIER
1035		2701			UPPER BLADE SCISSORS
1034		2702			BLACK SCISSORS
2037		2704			WHITE SCISSORS
1041		2706			TELEPHONE LOCATION SIGN
























































Wing dings ID	Wing dings glyph	UCS	UCS glyph	Status	Name and comment
1062		2707			TAPE DRIVE
1081		2708			AIRPLANE
1065		270C			VICTORY HAND
1063		270D			WRITING HAND
1252		2713			CHECK MARK
0097		2714			HEAVY CHECK MARK
2133		271D			LATIN CROSS
1086		271E			SHADOWED WHITE LATIN CROSS
1088		2720			MALTESE CROSS
1089		2721			STAR OF DAVID
1181		272A			CIRCLED WHITE STAR
0152		272F			PINWHEEL STAR
2243		272F			PINWHEEL STAR
1182		2730			SHADOWED WHITE STAR
2235		2736			SIX POINTED BLACK STAR
2240		2739			TWELVE POINTED BLACK STAR
1084		2744			SNOWFLAKE
1113		2751			LOWER RIGHT SHADOWED WHITE SQUARE
1114		2752			UPPER RIGHT SHADOWED WHITE SQUARE
0115		2753			BLACK QUESTION MARK ORNAMENT
1118		2756			BLACK DIAMOND MINUS WHITE X
2117		2776			DINGBAT NEGATIVE CIRCLED DIGIT ONE
2118		2777			DINGBAT NEGATIVE CIRCLED DIGIT TWO
2119		2778			DINGBAT NEGATIVE CIRCLED DIGIT THREE
2120		2779			DINGBAT NEGATIVE CIRCLED DIGIT FOUR
2121		277A			DINGBAT NEGATIVE CIRCLED DIGIT FIVE
2122		277B			DINGBAT NEGATIVE CIRCLED DIGIT SIX
2123		277C			DINGBAT NEGATIVE CIRCLED DIGIT SEVEN









Wing dings ID	Wing dings glyph	UCS	UCS glyph	Status	Name and comment
2124	⑧	277D	⑧		DINGBAT NEGATIVE CIRCLED DIGIT EIGHT
2125	⑨	277E	⑨		DINGBAT NEGATIVE CIRCLED DIGIT NINE
2126	⑩	277F	⑩		DINGBAT NEGATIVE CIRCLED DIGIT TEN
1129	①	2780	①		DINGBAT CIRCLED SANS-SERIF DIGIT ONE
1130	②	2781	②		DINGBAT CIRCLED SANS-SERIF DIGIT TWO
1131	③	2782	③		DINGBAT CIRCLED SANS-SERIF DIGIT THREE
1132	④	2783	④		DINGBAT CIRCLED SANS-SERIF DIGIT FOUR
1133	⑤	2784	⑤		DINGBAT CIRCLED SANS-SERIF DIGIT FIVE
1134	⑥	2785	⑥		DINGBAT CIRCLED SANS-SERIF DIGIT SIX
1135	⑦	2786	⑦		DINGBAT CIRCLED SANS-SERIF DIGIT SEVEN
1136	⑧	2787	⑧		DINGBAT CIRCLED SANS-SERIF DIGIT EIGHT
1137	⑨	2788	⑨		DINGBAT CIRCLED SANS-SERIF DIGIT NINE
1138	⑩	2789	⑩		DINGBAT CIRCLED SANS-SERIF DIGIT TEN
1140	➊	278A	➊		DINGBAT NEGATIVE CIRCLED SANS-SERIF DIGIT ONE
1141	➋	278B	➋		DINGBAT NEGATIVE CIRCLED SANS-SERIF DIGIT TWO
1142	➌	278C	➌		DINGBAT NEGATIVE CIRCLED SANS-SERIF DIGIT THREE
1143	➍	278D	➍		DINGBAT NEGATIVE CIRCLED SANS-SERIF DIGIT FOUR
1144	➎	278E	➎		DINGBAT NEGATIVE CIRCLED SANS-SERIF DIGIT FIVE
1145	➏	278F	➏		DINGBAT NEGATIVE CIRCLED SANS-SERIF DIGIT SIX
1146	➐	2790	➐		DINGBAT NEGATIVE CIRCLED SANS-SERIF DIGIT SEVEN
1147	➑	2791	➑		DINGBAT NEGATIVE CIRCLED SANS-SERIF DIGIT EIGHT
1148	➒	2792	➒		DINGBAT NEGATIVE CIRCLED SANS-SERIF DIGIT NINE
1149	➓	2793	➓		DINGBAT NEGATIVE CIRCLED SANS-SERIF DIGIT TEN
2151	●	2981	●		Z NOTATION SPOT
0120	⊘	29B8	⊘		CIRCLED REVERSED SOLIDUS
2088	⊘	29B8	⊘		CIRCLED REVERSED SOLIDUS
2158	⦿	29BF	⦿		CIRCLED BULLET

Wing dings ID	Wing dings glyph	UCS	UCS glyph	Status	Name and comment
1116		29EB			BLACK LOZENGE
1246		2B00		x	NORTH EAST WHITE ARROW
1245		2B01		x	NORTH WEST WHITE ARROW
1248		2B02		x	SOUTH EAST WHITE ARROW
1247		2B03		x	SOUTH WEST WHITE ARROW
1243		2B04		x	LEFT RIGHT WHITE ARROW
0103		2B1B			BLACK LARGE SQUARE
0099		2B1C			WHITE LARGE SQUARE
1160		2B1D			BLACK VERY SMALL SQUARE
2192		2B1F			BLACK PENTAGON
2195		2B22			BLACK HEXAGON
2194		2B23			HORIZONTAL BLACK HEXAGON
0110		2B24			BLACK LARGE CIRCLE
2174		2B25			BLACK MEDIUM DIAMOND
2183		2B27			BLACK MEDIUM LOZENGE
2173		2B29			BLACK SMALL DIAMOND
2182		2B2A			BLACK SMALL LOZENGE
1161		2B58			HEAVY CIRCLE
0252		1F30D			EARTH GLOBE EUROPE-AFRICA
0254		1F30E			EARTH GLOBE AMERICAS
0253		1F30F			EARTH GLOBE ASIA-AUSTRALIA
2129		1F315			FULL MOON SYMBOL
0224		1F31C			LAST QUARTER MOON WITH FACE
0229		1F378			COCKTAIL GLASS
0236		1F393			GRADUATION CAP
0178		1F3A7			HEADPHONE

Wing dings ID	Wing dings glyph	UCS	UCS glyph	Status	Name and comment
0183		1F3AC		X	CLAPPER BOARD
0174		1F3AD		X	PERFORMING ARTS
0196		1F3AE			VIDEO GAME
0136		1F3C2			SNOWBOARDER
0139		1F3C4			SURFER
0037		1F3C6			TROPHY
0138		1F3CA		Y	SWIMMER
0072		1F3E0		Y	HOUSE BUILDING
0070		1F3ED		Y	FACTORY
0246		1F408			CAT
0245		1F415			DOG
0244		1F41F			FISH
0243		1F426			BIRD
0079		1F442			EAR
2074		1F446			WHITE UP POINTING BACKHAND INDEX
2075		1F447			WHITE DOWN POINTING BACKHAND INDEX
2066		1F448			WHITE LEFT POINTING BACKHAND INDEX
2067		1F449			WHITE RIGHT POINTING BACKHAND INDEX
1067		1F44D		X	THUMBS UP SIGN
1068		1F44E		X	THUMBS DOWN SIGN
1036		1F453		X	EYEGLASSES
0148		1F46A		Y	FAMILY
0133		1F47D			EXTRATERRESTRIAL ALIEN
1077		1F4A3			BOMB
0145		1F4B0			MONEY BAG
0147		1F4B3		X	CREDIT CARD

Wing dings ID	Wing dings glyph	UCS	UCS glyph	Status	Name and comment
0191		1F4BB			PERSONAL COMPUTER
0179		1F4BF			OPTICAL DISC
0164		1F4CB			CLIPBOARD
2050		1F4CB			CLIPBOARD
1038		1F4D6			OPEN BOOK
0168		1F4DA			BOOKS
0199		1F4DF		X	PAGER
0211		1F4E4			OUTBOX TRAY
0210		1F4E5			INBOX TRAY
0101		1F4E6			PACKAGE
1044		1F4EA		Y	CLOSED MAILBOX WITH LOWERED FLAG
1045		1F4EB		Y	CLOSED MAILBOX WITH RAISED FLAG
1046		1F4EC		Y	OPEN MAILBOX WITH RAISED FLAG
1047		1F4ED		Y	OPEN MAILBOX WITH LOWERED FLAG
0181		1F4F7			CAMERA
0185		1F4F9			VIDEO CAMERA
0190		1F4FA		Y	TELEVISION
0187		1F4FB			RADIO
0088		1F508		Y	SPEAKER
0076		1F50D			LEFT-POINTING MAGNIFYING GLASS
0207		1F512			LOCK
0208		1F513			OPEN LOCK
1183		1F550			CLOCK FACE ONE OCLOCK
1184		1F551			CLOCK FACE TWO OCLOCK
1185		1F552			CLOCK FACE THREE OCLOCK
1186		1F553			CLOCK FACE FOUR OCLOCK

Wing dings ID	Wing dings glyph	UCS	UCS glyph	Status	Name and comment
1187		1F554			CLOCK FACE FIVE OCLOCK
1188		1F555			CLOCK FACE SIX OCLOCK
1189		1F556			CLOCK FACE SEVEN OCLOCK
1190		1F557			CLOCK FACE EIGHT OCLOCK
1191		1F558			CLOCK FACE NINE OCLOCK
1192		1F559			CLOCK FACE TEN OCLOCK
1193		1F55A			CLOCK FACE ELEVEN OCLOCK
1194		1F55B			CLOCK FACE TWELVE OCLOCK
2135		1F55C			CLOCK FACE ONE-THIRTY
2136		1F55D			CLOCK FACE TWO-THIRTY
2137		1F55E			CLOCK FACE THREE-THIRTY
2138		1F55F			CLOCK FACE FOUR-THIRTY
2139		1F560			CLOCK FACE FIVE-THIRTY
2140		1F561			CLOCK FACE SIX-THIRTY
2141		1F562			CLOCK FACE SEVEN-THIRTY
2142		1F563			CLOCK FACE EIGHT-THIRTY
2143		1F564			CLOCK FACE NINE-THIRTY
2144		1F565			CLOCK FACE TEN-THIRTY
2145		1F566			CLOCK FACE ELEVEN-THIRTY
2146		1F567			CLOCK FACE TWELVE-THIRTY
1075		1F610			NEUTRAL FACE
0117		1F687		Y	METRO
0118		1F68D		Y	ONCOMING BUS
0104		1F691			AMBULANCE
0112		1F694			ONCOMING POLICE CAR
0142		1F698			ONCOMING AUTOMOBILE
0122		1F6AD			NO SMOKING SYMBOL

Wing dings ID	Wing dings glyph	UCS	UCS glyph	Status	Name and comment
0098		1F6B2			BICYCLE
0128		1F6B9			MENS SYMBOL
0129		1F6BA		Y	WOMENS SYMBOL
0132		1F6BC			BABY SYMBOL





















































## 4. Additions with glyph changes

Most of the Webdings and Wingdings characters are proposed for encoding using their original glyphs. However some have been changed significantly. Minor change in size and change in horizontal orientation are not considered significant.

The following table shows all these significant changes.

Wingdings ID	Wingdings glyph	UCS	UCS glyph	Name
0040		1F5E8		LEFT SPEECH BUBBLE
0041		1F5E9		RIGHT SPEECH BUBBLE
0042		1F5F0		MOOD BUBBLE
0043		1F5F1		LIGHTNING MOOD BUBBLE
0063		1F5F3		BALLOT BOX WITH BALLOT
0065		1F3D7		BUILDING CONSTRUCTION
0066		1F3D8		HOUSES BUILDINGS
0067		1F3D9		CITYSCAPE
0068		1F3DA		DERELICT HOUSE BUILDING
0069		1F3DC		DESERT
0071		1F3DB		CLASSICAL BUILDING
0072		1F3E0		HOUSE BUILDING
0074		1F3DD		DESERT ISLAND
0075		1F6E3		MOTORWAY
0082		1F6E4		RAILWAYS TRACK
0083		1F3DF		STADIUM
0085		1F56C		BULLHORN WITH SOUND WAVES
0086		1F56B		BULLHORN
0091		1F5EC		LEFT THOUGHT BUBBLE
0093		1F5ED		RIGHT THOUGHT BUBBLE
0094		1F5EA		TWO SPEECH BUBBLES
0095		1F5EB		THREE SPEECH BUBBLES
0100		1F6E1		SHIELD



Wingdings ID	Wingdings glyph	UCS	UCS glyph	Name
0101		1F4E6		PACKAGE
0106		1F6E9		SMALL AIRPLANE
0116		1F6F2		DIESEL LOCOMOTIVE
0123		1F5EE		LEFT ANGER BUBBLE
0125		1F5EF		RIGHT ANGER BUBBLE
0134		1F3CB		WEIGHT LIFTER
0137		1F3CC		GOLFER
0144		1F6E2		OIL DRUM
0167		1F56E		BOOK
0171		1F5C3		CARD FILE BOX
0172		1F5C2		CARD INDEX DIVIDERS
0201		1F580		TELEPHONE ON TOP OF MODEM
0204		1F5BF		BLACK FOLDER
0214		1F324		WHITE SUN WITH SMALL CLOUD
0215		1F325		WHITE SUN BEHIND CLOUD
0216		1F326		WHITE SUN BEHIND CLOUD AND RAIN
0218		1F328		CLOUD WITH SNOW
0219		1F327		CLOUD WITH RAIN
0220		1F329		CLOUD WITH LIGHTNING
0221		1F32A		CLOUD WITH TORNADO
0226		1F6CB		COUCH AND LAMP
0228		1F37D		FORK AND KNIFE WITH PLATE
0231		1F6CD		SHOPPING BAGS
0241		1F6EA		NORTHEAST-POINTING AIRPLANE
1064		1F58E		LEFT WRITING HAND
2038		2700		BLACK SAFETY SCISSORS

## 5. Geometric shapes sizes

The set of four fonts are designed in a consistent manner with shapes that obey strict rules concerning vertical alignment and sizes. While it is not expected that these constraints would be imposed on every implementation of these characters, it is important to document them. The following is a list of these design rules:

- All fonts use a design square EM box of 2048 space unit,
- Many geometric shapes are contained in a 1480x1480 unit box based on the default baseline (0 based) and centered in the middle (740),
- For shapes that are sized vertically (such as squares and circles), a maximum of 8 sizes are defined in vertical size unit; these values are related to the values defined in TR25 Unicode Support for Mathematics as follows (first value design unit, second value: TR25 names):
  1. 198, tiny
  2. 296, very small
  3. 394, slightly small (new, see below)
  4. 592, small
  5. 790, medium small
  6. 1184, medium
  7. 1480, regular
  8. 2048, large (see below)

The alignment with sizes defined in TR25 is reasonably accurate for all values, except for 'very small' which is implemented very inconsistently in the current UCS charts (values vary from 250 to 375 units), and the new value 'slightly small' which does not exist in TR25. The large size corresponds to a shape using the full design box (2048 unit) and it is not aligned with the previous shapes (center is at 614) in the Wingdings context.

- A 9<sup>th</sup> sized shape is defined to be 'centered' in the 1480 square and consequently the ink size is determined by that shape. For example, the size of the sides of the centered square is 1046 corresponding to a diagonal of 1480 which allows the diamond with the same side size to fit in the 1480 square.
- Diamonds and lozenges use a different scale (1 to 6) in Wingdings, with 'large' not being represented. These values in design unit are related to the terminology used in TR25 as follows:
  1. 280, tiny
  2. 418, very small
  3. 558, small
  4. 838, medium small
  5. 1184, medium
  6. 1675, regular

According to that scale, the already encoded character 2B29 BLACK SMALL DIAMOND should be slightly reduced in size to fit the 'small' pattern.

- More generally, scaling of the geometric shapes should be harmonized with rules used in TR25, with the understanding that some existing characters may be resized to better align with Wingdings sizing rules, especially concerning the existing 'very small glyphs' such as 2219 BULLET OPERATOR ('black very small circle') and 2B1D BLACK VERY SMALL SQUARE.
- Two sets of shapes commonly specified in TR25 as 'circled circles' are defined here as 'rings' for 'circled white circles' and 'ring buttons' for 'circled black circles' respectively because they better represent the shapes when multiple sizes are used. This is also consistent with the box and box button terms used for square based shapes.
- The proposal has kept numeric values to size rings, ring buttons, boxes, box buttons, and many other shapes (range 1 to 7) in proposed character names for lack of better terminology. This is subject to change. For example, the simple black shapes such as cross, x form, spoked asterisks, etc... could use the TR25 size terminology.
- In sets with full 7 sizes representation (excluding the atypical 'large'), the current proposal maintains holes with cross references for already encoded character to facilitate research and verification of these cross references. Future versions of this proposal may compact










these lists. In this context, cross references on empty cells imply mapping (as what was done for set such as Dingbats).

- It is intended that the shapes of the current UCS characters that are unified with geometric shapes from Wingdings will be altered to be closer to the Wingdings variant (size and position). However, this should be done with great caution because of additional hidden design relationships between various shapes.
- The case of 26AB ● MEDIUM BLACK CIRCLE is a bit problematic because it unifies geometric usage and UI usage (record). These two usages are differentiated in Wingdings (cell size, vertical position, ink size). The proposal preserves the geometric usage (to keep consistency with TR25) and creates a new variant for UI as 23FA BLACK CIRCLE FOR RECORD.
- Similar situation for 25FC ■ BLACK MEDIUM SQUARE, with the proposed creation for a new variant for UI as 23F9 BLACK SQUARE FOR STOP.
- The 'large' size appears larger than the already encoded 'large' glyph for reasons having to do with design decision taken for the fonts used in the UCS charts (large ascenders/ descenders). However their design unit sizes (full EM square) are identical to the equivalent Wingdings set. Therefore they have been unified.

### Geometric shapes Arrows

These sets contain a large number of arrow styles. These have been classified as following (Postscript glyph name, glyph ID as documented above, glyph, and common part of the UCS name (augmented with directionality term in full UCS name)):

Postscript name	Glyph ID	glyph	UCS name (common part)
A1	3153	←	Arrow with small triangle arrowhead
A2	3033	←	Simple triangle-headed arrow
A3	3157	←	Arrow with medium triangle arrowhead
A4	3161	↖	Arrow with large triangle arrowhead
B2	3102	←	Sans-serif arrow
Barb1	3209	↖	Wide-headed light barb arrow
Barb2	1223	↖	Wide-headed barb arrow
Barb3	3217	↖	Wide-headed medium barb arrow
Barb4	1231	↖	Wide-headed heavy barb arrow
Barb5	3225	↖	Wide-headed very heavy barb arrow
C1	3137	←	Arrow with small equilateral arrowhead
C2	3141	←	Arrow with equilateral arrowhead
C3	3145	←	Heavy arrow with equilateral arrowhead
C4	3149	↖	Heavy arrow with large equilateral arrowhead
D1	3165	←	Triangle headed arrow with narrow shaft
E3	3167	←	Triangle headed arrow with medium shaft

Postscript name	Glyph ID	glyph	UCS name (common part)
F4	3169		Triangle headed arrow with bold shaft
G5	3171		Triangle headed arrow with heavy shaft
H6	3177		Triangle headed arrow with very heavy shaft
I8	3179		Finger-post arrow
J6	3181		Squared arrow
K6	3185		Arrow with notched tail
L7	3189		Compressed arrow
M9	3193		Heavy compressed arrow
N7	3197		Heavy arrow

The literal part of the Postscript name indicates style (A to N and Barb); the numeral part indicates the thickness of the arrow. These names are documented in relevant parts of the following tables.

## 6. Detailed tables

The following tables show in details all 867 characters from the four sets with their status as being unified, proposed for encoding in either amendment, or not proposed (one case: w-1255).

### Table format

The tables provide the following information by columns:










- The first column contains the glyph ID of the Wingdings collection using the 4 digit notation.
- The second column contains the representative glyph of these Webdings/Wingdings.
- The third column contains a related UCS code represented as follows:
  - Code without highlight or underline means that the corresponding Wingdings character is unified with an existing UCS character encoded with corresponding UCS code point.
  - Code with underline only means that the corresponding Wingdings character is proposed for encoding in Amendment 1 with the UCS code point as shown.
  - Code with underline and highlight means the corresponding Wingdings character is proposed for encoding in Amendment 2 with the UCS code point as shown.
  - No code, the character is neither unified, nor proposed for encoding.
- The fourth column contains a glyph whose status depends on the status of the previous column (UCS code):
  - If the Wingdings is unified (UCS code without underline or highlight), the glyph is the one used for chart production. It may or may not be identical to the Wingdings glyph. See section 3 for further consideration.
  - If the Wingdings is proposed for encoded (UCS code underlined with or without highlight), the glyph may be blank indicating that the original Wingdings is used for chart production for these new characters. If the glyph is not blank, it means that the original Wingdings is not used and instead an alternate glyph as shown is used for these newly proposed characters.
- The fifth column contains the name of the proposed or unified character with along with annotation and references similar to what is used in the standard code charts.
- The sixth column contains additional comments. Some of these comments may apply to the following rows.

### Accuracy











Every effort has been made to reflect correctly what is currently proposed in both Amendment 1 (FDAM1) and Amendment 2 (DAM2). If there are differences in code point value or representative glyphs, the amendment text and charts prevail.

## Webdings






### Miscellaneous symbols

ID	glyph	UCS	glyph	Name	Comments
0033		<u>1F577</u>		SPIDER	
0034		<u>1F578</u>		SPIDER WEB	
0035		<u>1F572</u>		NO PIRACY	
0036		<u>1F576</u>		DARK SUNGLASSES = cool	See also w-1036
0037		<u>1F3C6</u>		TROPHY	Glyph change in DAM1
0038		<u>1F396</u>		MILITARY MEDAL = award	
0039		<u>1F587</u>		LINKED PAPERCLIPS = links → 1F4CE  paperclip	

### Bubble symbols

ID	glyph	UCS	glyph	Name	Comments
0040		<u>1F5E8</u>		LEFT SPEECH BUBBLE	All glyphs have been outlined instead of black filled
0041		<u>1F5E9</u>		RIGHT SPEECH BUBBLE	
0042		<u>1F5F0</u>		MOOD BUBBLE = new → 1F4A5  collision symbol	
0043		<u>1F5F1</u>		LIGHTNING MOOD BUBBLE = updated → 26A1  high voltage sign	

### Miscellaneous symbols




ID	glyph	UCS	glyph	Name	Comments
0044		<u>1F336</u>		HOT PEPPER = hot	
0045		<u>1F397</u>		REMINDER RIBBON	
0046		<u>1F67E</u>		CHECKER BOARD → 259E  quadrant upper right and lower left	
0047		<u>1F67C</u>		VERY HEAVY SOLIDUS	

### User Interface symbols













ID	glyph	UCS	glyph	Name	Comments
0048		<u>1F5D5</u>		MINIMIZE	
0049		<u>1F5D6</u>		MAXIMIZE	
0050		<u>1F5D7</u>		OVERLAP = tile windows	










ID	glyph	UCS	glyph	Name	Comments
0051	◀	<u>23F4</u>		BLACK MEDIUM LEFT-POINTING TRIANGLE = reverse, back * preferred to 25C0 ◀ black left-pointing triangle	This may impact ARIB mapping. Most fonts implement the smaller Webdings shape for 25C0.
0052	▶	<u>23F5</u>		BLACK MEDIUM RIGHT-POINTING TRIANGLE = forward * preferred to 25B6 ▶ black right-pointing triangle	Similar to above
0053	▲	<u>23F6</u>		BLACK MEDIUM UP-POINTING TRIANGLE = increase * preferred to 25B2 ▲ black up-pointing triangle	No mapping issue here, unlike the two above
0054	▼	<u>23F7</u>		BLACK MEDIUM DOWN-POINTING TRIANGLE = decrease * preferred to 25BC black ▼ down-pointing triangle	Similar to w-0053
0055	◀◀	23EA	◀◀	BLACK LEFT-POINTING DOUBLE TRIANGLE = fast backward	UCS glyph is smaller
0056	▶▶	23E9	▶▶	BLACK RIGHT-POINTING DOUBLE TRIANGLE = fast forward	UCS glyph is smaller
0057	◀◀	23EE	◀◀	BLACK LEFT-POINTING DOUBLE TRIANGLE WITH VERTICAL BAR = begin	UCS glyph is smaller
0058	▶▶	23ED	▶▶	BLACK RIGHT-POINTING DOUBLE TRIANGLE WITH VERTICAL BAR = end	UCS glyph is smaller
0059		<u>23F8</u>		DOUBLE VERTICAL BAR = pause	
0060	■	<u>23F9</u>	■	BLACK SQUARE FOR STOP = stop → 25FC ■ black medium square	
0061	●	<u>23FA</u>	●	BLACK CIRCLE FOR RECORD = record → 26AB ● medium black circle	
0062	AA	<u>1F5DA</u>		INCREASE FONT SIZE SYMBOL	

### Miscellaneous symbols



ID	glyph	UCS	glyph	Name	Comments
0063		<u>1F5F3</u>		BALLOT BOX WITH BALLOT = vote → 2612 ☑ ballot box with x	
0064		<u>1F6E0</u>		HAMMER AND WRENCH = tools, repair facility → 2692 ⚒ hammer and pick	

### Building and map symbols


ID	glyph	UCS	glyph	Name	Comments
0065		<u>1F3D7</u>		BUILDING CONSTRUCTION = under construction → 1F6A7 🚧 construction sign	
0066		<u>1F3D8</u>		HOUSES BUILDINGS = town → 1F3E1 🏡 house with garden	
0067		<u>1F3D9</u>		CITYSCAPE = skyline, city → 1F306 🌃 cityscape at dusk	
0068		<u>1F3DA</u>		DERELICT HOUSE BUILDING = derelict site → 1F3E0 🏠 house building	
0069		<u>1F3DC</u>		DESERT → 1F335 🌵 cactus	
0070		1F3ED		FACTORY	

ID	glyph	UCS	glyph	Name	Comments
0071		1F3DB		CLASSICAL BUILDING = public building	
0072		1F3E0		HOUSE BUILDING = home → 1F3E1 🏡 house with garden	
0073		1F3D6		BEACH WITH UMBRELLA → 26F1 ☂ umbrella on ground	
0074		1F3DD		DESERT ISLAND = island → 1F334 🌴 palm tree	
0075		1F6E3		MOTORWAY	




### User Interface symbol

ID	glyph	UCS	glyph	Name	Comments
0076		1F50D		LEFT-POINTING MAGNIFYING GLASS = search	Different glyph?








### Map symbol

ID	glyph	UCS	glyph	Name	Comments
0077		1F3D4		SNOW CAPPED MOUNTAIN → 26F0 ▲ mountain	Webdings is a generic 'mountain' but not as generic as 26F0

### Facial parts symbols





ID	glyph	UCS	glyph	Name	Comments
0078		1F441		EYE = sight → 1F440 👁 eyes	
0079		1F442		EAR = hearing	

### Building and map symbols




ID	glyph	UCS	glyph	Name	Comments
0080		1F3DE		NATIONAL PARK → 1F332 🌲 evergreen tree	Webdings suggest a 'TRAIL'
0081		1F3D5		CAMPING = camping site → 26FA 🏕 tent	Webdings suggest 'CAMPING' in a forested area
0082		1F6E4		RAILWAYS TRACK = railroad	
0083		1F3DF		STADIUM	
0084		1F6F3		PASSENGER SHIP = cruise line vacation → 1F6A2 🚢 ship	Very different glyph





## Communication symbols

ID	glyph	UCS	glyph	Name	Comments
0085		<u>1F56C</u>		BULLHORN WITH SOUND WAVES = sound on → 1F4E3 📣 cheering megaphone → 1F50A 🗣️ speaker with three sound waves	
0086		<u>1F56B</u>		BULLHORN = sound off → 1F508 🗣️ speaker	



## Communication symbols

ID	glyph	UCS	glyph	Name	Comments
0087		<u>1F568</u>		RIGHT SPEAKER = sound left	
0088		<u>1F508</u>		SPEAKER = sound right	


## Celebration symbols

ID	glyph	UCS	glyph	Name	Comments
0089		<u>1F394</u>		HEART WITH TIP ON THE LEFT = favorite → 2665 ♥ black heart suit	
0090		<u>1F395</u>		BOUQUET OF FLOWERS = occasion → 1F490 🌸 bouquet	







## Bubble symbol

ID	glyph	UCS	glyph	Name	Comments
0091		<u>1F5EC</u>		LEFT THOUGHT BUBBLE	glyph has been outlined instead of black filled






## Miscellaneous symbol

ID	glyph	UCS	glyph	Name	Comments
0092		<u>1F67D</u>		VERY HEAVY REVERSE SOLIDUS	Add reference to w-0047



## Bubble symbols

ID	glyph	UCS	glyph	Name	Comments
0093		<u>1F5ED</u>		RIGHT THOUGHT BUBBLE → 1F4AD 🗨️ thought balloon	All glyphs have been outlined instead of black filled
0094		<u>1F5EA</u>		TWO SPEECH BUBBLES = chat	
0095		<u>1F5EB</u>		THREE SPEECH BUBBLES = conference	






## Miscellaneous symbols

ID	glyph	UCS	glyph	Name	Comments
0096		<u>2B94</u>		FOUR CORNER ARROWS CIRCLING ANTICLOCKWISE = loop	
0097		2714		HEAVY CHECK MARK	Glyph is sans-serif in webdings, PS name is 'UICheck'
0098		1F6B2		BICYCLE	Glyph is on other direction



## Geometric shape

ID	glyph	UCS	glyph	Name	Comments
0099		2B1C		WHITE LARGE SQUARE = box open	Appears smaller due to font design









## Miscellaneous symbols

ID	glyph	UCS	glyph	Name	Comments
0100		<b>1F6E1</b>		SHIELD = US road sign interstate highway	New glyph too light
0101		1F4E6		PACKAGE → 1F381 📦 wrapped present	
0102		<b>1F6F1</b>		ONCOMING FIRE ENGINE = fire → 1F692 🚒 fire engine	



## Geometric shape

ID	glyph	UCS	glyph	Name	Comments
0103		2B1B		BLACK LARGE SQUARE = box solid	Here 2B1B is smaller than w-0103, due to font design






## Miscellaneous symbols

ID	glyph	UCS	glyph	Name	Comments
0104		1F691		AMBULANCE = medical	Glyph different
0105		<u>1F6C8</u>		CIRCLED INFORMATION SOURCE = information	
0106		<b>1F6E9</b>		SMALL AIRPLANE → 2708 ✈ airplane	
0107		<b>1F6F0</b>		SATELLITE	
0108		<u>1F7C8</u>		REVERSE LIGHT FOUR POINTED PINWHEEL STAR = navigate	
0109		<b>1F574</b>		MAN IN BUSINESS SUIT LEVITATING = jump	







## Geometric shape

ID	glyph	UCS	glyph	Name	Comments
0110		2B24		BLACK LARGE CIRCLE = circle solid	2B24 slightly smaller than w-0110, due to font design


















## Vehicles

ID	glyph	UCS	glyph	Name	Comments
0111		1F6E5		MOTOR BOAT SIDEWAYS = boat → 1F6A4  speedboat	Wingdings glyph is the other direction and bigger
0112		1F694		ONCOMING POLICE CAR = police	Wingdings glyph has a 'western' flavour.



## User Interface symbols (browsers)

ID	glyph	UCS	glyph	Name	Comments
0113		1F5D8		CLOCKWISE RIGHT AND LEFT SEMICIRCLE ARROWS = refresh → 1F503  clockwise downwards and upwards open circle arrows	
0114		1F5D9		CANCELLATION-X = close → 274C  cross mark	
0115		2753		BLACK QUESTION MARK ORNAMENT = help-question	Glyphs are slightly different



## Vehicles

ID	glyph	UCS	glyph	Name	Comments
0116		1F6F2		DIESEL LOCOMOTIVE = train → 1F682  steam locomotive → 1F686  train	
0117		1F687		METRO	
0118		1F68D		ONCOMING BUS = bus	Split window is old fashioned
0119		26F3		FLAG IN HOLE = golf pennant = flag → 1F6A9  triangular flag on post	Different glyph
0120		29B8		CIRCLED REVERSED SOLIDUS = not	Reference glyph is smaller but commercial fonts are larger
0121		2296		CIRCLED MINUS = no entry	See w-0120
0122		1F6AD		NO SMOKING SYMBOL	Cigarette in opposite direction




## Bubble symbol

ID	glyph	UCS	glyph	Name	Comments
0123		1F5EE		LEFT ANGER BUBBLE = shout left	Outline instead of black


























## Miscellaneous symbol

ID	glyph	UCS	glyph	Name	Comments
0124		23D0		VERTICAL LINE EXTENSION → 007C   vertical line = bar	The line segment should occupy the full line height



## Bubble symbols
















































ID	glyph	UCS	glyph	Name	Comments
0125		1F5EF		RIGHT ANGER BUBBLE = shout right	
0126		1F5F2		LIGHTNING MOOD = lightning bolt → 26A1 ⚡ high voltage sign	Orientation is different











## Portrait and role symbols

ID	glyph	UCS	glyph	Name	Comments
0128		1F6B9		MENS SYMBOL = man	Wingings symbol is thinner
0129		1F6BA		WOMENS SYMBOL = woman	UCS glyph was modified
0130		1F6C9		BOY SYMBOL = boy	
0131		1F6CA		GIRL SYMBOL = girl	
0132		1F6BC		BABY SYMBOL = baby	Webdings represents 'SWADDLED BABY SYMBOL'
0133		1F47D		EXTRATERRESTRIAL ALIEN = scifi	
0134		1F3CB		WEIGHT LIFTER = health	
0135		26F7		SKIER	Opposite direction
0136		1F3C2		SNOWBOARDER = hobby	Different glyph
0137		1F3CC		GOLFER	
0138		1F3CA		SWIMMER = pool	UCS glyph was modified
0139		1F3C4		SURFER = surf	Different glyph
0140		1F3CD		RACING MOTORCYCLE = motorcycle	
0141		1F3CE		RACING CAR	Opposite direction



## Miscellaneous symbols

ID	glyph	UCS	glyph	Name	Comments
0142		1F698		ONCOMING AUTOMOBILE = auto	



















ID	glyph	UCS	glyph	Name	Comments
0143		<b>1F5E0</b>		STOCK CHART → 1F4C8  chart with upwards trend = finance	Glyph change?
0144		<b>1F6E2</b>		OIL DRUM = commodities	
0145		1F4B0		MONEY BAG = money	
0146		<b>1F3F7</b>		LABEL = price, price tag → 1F516  bookmark	
0147		1F4B3		CREDIT CARD	UCS glyph was modified
0148		1F46A		FAMILY = rated for family	
0149		<b>1F5E1</b>		DAGGER KNIFE = rated for violence = hate → 1F52A  hocho	
0150		<b>1F5E2</b>		LIPS = rated for sex = kiss → 1F48B  kiss mark	
0151		<b>1F5E3</b>		SPEAKING HEAD SILHOUETTE = rated for strong language	
0152		272F		PINWHEEL STAR = rating quality = five pointed pinwheel star	See w-2243
0153		<u>1F584</u>		ENVELOPE WITH LIGHTNING = e-mail → 1F4E7  e-mail symbol	
0154		<u>1F585</u>		FLYING ENVELOPE = send message → 1F4E9  envelope with downwards arrow above	
0155		<u>1F583</u>		STAMPED ENVELOPE = mail	Same as w-1043
0156		<u>1F586</u>		PEN OVER STAMPED ENVELOPE = write	
0157		<u>1F5B9</u>		DOCUMENT WITH TEXT	
0158		<u>1F5BA</u>		DOCUMENT WITH TEXT AND PICTURE	
0159		<u>1F5BB</u>		DOCUMENT WITH PICTURE = graphic document	
0160		<b>1F575</b>		SLEUTH OR SPY = investigate	
0161		<b>1F570</b>		MANTELPIECE CLOCK = clock → 23F0  alarm clock	
0162		<b>1F5BD</b>		FRAME WITH TILES = frames	
0163		<b>1F5BE</b>		FRAME WITH AN X = no frames, no picture	
0164		1F4CB		CLIPBOARD → 1F4CB  clipboard	Webdings glyph is sideways and more generic looking
0165		<b>1F5D2</b>		SPIRAL NOTE PAD = note, empty calendar → 1F4C5  calendar	
0166		<b>1F5D3</b>		SPIRAL CALENDAR PAD = calendar, day 1 → 1F4C6  tear-off calendar	
0167		<u>1F56E</u>		BOOK → 1F4D6  open book	See also w-1038 (unified with)





























ID	glyph	UCS	glyph	Name	Comments
0168		1F4DA		BOOKS = reference	
0169		1F5DE		ROLLED-UP NEWSPAPER = news → 1F4F0 📰 newspaper	
0170		1F5DF		PAGE WITH CIRCLED TEXT = classified	Webdings looks like an index
0171		1F5C3		CARD FILE BOX = archive	
0172		1F5C2		CARD INDEX DIVIDERS = index → 1F4C7 📇 card index	
0173		1F5BC		FRAMED WITH PICTURE = art	

### Entertainment symbols













ID	glyph	UCS	glyph	Name	Comments
0174		1F3AD		PERFORMING ARTS = theater	UCS glyph was changed
0175		1F39C		BEAMED ASCENDING MUSICAL NOTES = musical performance = music, musical background → 266C 🎵 beamed sixteenth notes	Most fonts show 266C descending, was also an issue with ARIB

### Audio Video Electronic symbols























ID	glyph	UCS	glyph	Name	Comments
0176		1F398		MUSICAL KEYBOARD WITH JACKS = midi, midi keyboard → 1F3B9 🎹 musical keyboard	Unification?
0177		1F399		STUDIO MICROPHONE = microphone → 1F3A4 🎤 microphone	
0178		1F3A7		HEADPHONE	Different glyph
0179		1F4BF		OPTICAL DISC = cdrom	PS name is 'CDROM', could be confused with a tape reel, 'disc' used for optical medium, 'disk' used for floppy and hard medium.
0180		1F39E		FILM FRAMES = film clip	
0181		1F4F7		CAMERA = point of interest	
0182		1F39F		ADMISSION TICKETS = ticket → 1F3AB 🎫 ticket	
0183		1F3AC		CLAPPER BOARD = film	UCS glyph was changed
0184		1F4FD		FILM PROJECTOR = movies → 1F3A6 🎬 cinema	
0185		1F4F9		VIDEO CAMERA = video	
0186		1F4FE		PORTABLE STEREO = stereo	
0187		1F4FB		RADIO	Original old fashioned, change glyph
0188		1F39A		LEVEL SLIDER = level control	

ID	glyph	UCS	glyph	Name	Comments
0189		1F39B		CONTROL KNOBS = audio control	
0190		1F4FA		TELEVISION	UCS glyph was modified
0191		1F4BB		PERSONAL COMPUTER	Webdings glyph looks more like a monitor
0192		1F5A5		DESKTOP COMPUTER = tower computer	
0193		1F5A6		KEYBOARD AND MOUSE → 2328  keyboard	Keyboard is ergonomic
0194		1F5A7		THREE NETWORKED COMPUTERS = computer network	
0195		1F579		JOYSTICK	
0196		1F3AE		VIDEO GAME = game pad	
0197		1F57B		LEFT HAND TELEPHONE RECEIVER = phone → 1F4DE  telephone receiver	See w-2040, add reference
0198		1F57C		TELEPHONE RECEIVER WITH PAGE = fax → 1F4E0  fax machine	
0199		1F4DF		PAGER	UCS glyph was changed
0200		1F581		CLAMSHELL MOBILE PHONE = cellular phone → 1F4F1  mobile phone	
0201		1F580		TELEPHONE ON TOP OF MODEM = modem	
0202		1F5A8		PRINTER → 1F4E0  fax machine	
0203		1F5A9		POCKET CALCULATOR = calculator	
0204		1F5BF		BLACK FOLDER = folder	Add reference to w-1048
0205		1F5AA		BLACK HARD SHELL FLOPPY DISK = disk → 1F4BE  floppy disk	
















### Miscellaneous symbols

ID	glyph	UCS	glyph	Name	Comments
0206		1F5DC		COMPRESSION = hand press with box inside	
0207		1F512		LOCK = locked	
0208		1F513		OPEN LOCK = unlocked	
0209		1F5DD		OLD KEY = encryption → 1F511  key	
0210		1F4E5		INBOX TRAY	
0211		1F4E4		OUTBOX TRAY	
0212		1F573		HOLE = portable hole	

## Weather symbols












ID	glyph	UCS	glyph	Name	Comments
0213		<u>1F323</u>		WHITE SUN = sunny → 263C ☀ white sun with rays	See w-1082
0214		<u>1F324</u>		WHITE SUN WITH SMALL CLOUD = mostly sunny → 26C5 ☁ sun behind cloud	All clouds are white online instead of black
0215		<u>1F325</u>		WHITE SUN BEHIND CLOUD = mostly cloudy	
0216		<u>1F326</u>		WHITE SUN BEHIND CLOUD AND RAIN = showers	
0217		2601		CLOUD = cloudy	2601 used to show a black cloud (Unicode 6.0)
0218		<u>1F328</u>		CLOUD WITH SNOW = snow, snow showers	
0219		<u>1F327</u>		CLOUD WITH RAIN = rain	
0220		<u>1F329</u>		CLOUD WITH LIGHTNING = lightning, thunderstorm → 26C8 ⚡ thunder cloud and rain	
0221		<u>1F32A</u>		CLOUD WITH TORNADO = tornado, twister	
0222		<u>1F32C</u>		WIND BLOWING FACE = wind	
0223		<u>1F32B</u>		FOG → 1F301 🌫 foggy	
0224		<u>1F31C</u>		LAST QUARTER MOON WITH FACE = moon	Webdings glyph is smaller
0225		<u>1F321</u>		THERMOMETER = temperature, warm	

## Accommodation










ID	glyph	UCS	glyph	Name	Comments
0226		<u>1F6CB</u>		COUCH AND LAMP = furniture, lifestyles	
0227		<u>1F6CF</u>		BED	The Webdings show a BED in perspective
0228		<u>1F37D</u>		FORK AND KNIFE WITH PLATE = dining → 1F374 🍴 fork and knife	Webdings plate is black Remove annotation in 1F374 concerning addition of plate
0229		1F378		COCKTAIL GLASS = lounge	
0230		<u>1F6CE</u>		BELLHOP BELL = reception, services	
0231		<u>1F6CD</u>		SHOPPING BAGS = shopping	
0232		24C5		CIRCLED CAPITAL LETTER P = parking	Webdings glyph is sans-serif, not a good unification
0233		267F		WHEELCHAIR SYMBOL = handicap	Glyph looks more like this is wheelchair racing
0234		<u>1F6C6</u>		TRIANGLE WITH ROUNDED CORNERS = caution → 25B3 ⚠ white up-pointing triangle	








## Miscellaneous symbols

ID	glyph	UCS	glyph	Name	Comments
0235		<u>1F588</u>		BLACK PUSHPIN = marker → 1F4CC  pushpin	Unification?
0236		1F393		MORTARBOARD = education → 1F393  graduation cap	Probably make the UCS glyph bigger
0237		<u>1F5E4</u>		THREE RAYS ABOVE	
0238		<u>1F5E5</u>		THREE RAYS BELOW	
0239		<u>1F5E6</u>		THREE RAYS LEFT → 269E $\rhd$ three lines converging right	
0240		<u>1F5E7</u>		THREE RAYS RIGHT → 269F $\leq$ three lines converging left	
0241		<u>1F6EA</u>		NORTHEAST-POINTING AIRPLANE = airplane	See also w-1081 The Webdings glyphs has no reactor and just show a raising airplane




## Animal symbols





ID	glyph	UCS	glyph	Name	Comments
0242		<u>1F43F</u>		CHIPMUNK = animal	New glyph should be outline
0243		1F426		BIRD	
0244		1F41F		FISH	
0245		1F415		DOG	
0246		1F408		CAT	

## Rocket symbols


ID	glyph	UCS	glyph	Name	Comments
0247		<u>1F66C</u>		LEFTWARDS ROCKET → 1F680  ROCKET	
0248		<u>1F66E</u>		RIGHTWARDS ROCKET	
0249		<u>1F66D</u>		UPWARDS ROCKET	
0250		<u>1F66F</u>		DOWNWARDS ROCKET	

## Map and globe symbols

ID	glyph	UCS	glyph	Name	Comments
0251		<u>1F5FA</u>		WORLD MAP	
0252		1F30D		EARTH GLOBE EUROPE-AFRICA	












ID	glyph	UCS	glyph	Name	Comments
0253		1F30F		EARTH GLOBE ASIA-AUSTRALIA	
0254		1F30E		EARTH GLOBE AMERICAS	

Miscellaneous symbol

















ID	glyph	UCS	glyph	Name	Comments
0255		<u>1F54A</u>		DOVE = peace	

## Wingdings







### Miscellaneous symbols




















ID	glyph	UCS	glyph	Name	Comments
1033		<u>1F589</u>		LOWER LEFT PENCIL = pencil → 270E  lower right pencil	Pencil in different direction
1034		2702		BLACK SCISSORS = scissors	
1035		2701		UPPER BLADE SCISSORS = scissors cutting	
1036		1F453		EYEGLASSES	UCS glyph was changed
1037		<u>1F56D</u>		RINGING BELL → 1F514  bell	1F514 has a centered clapper (still), this one has a moving one
1038		<u>1F56E</u>		OPEN BOOK	see also w-0167 (unified with)
1039		<u>1F56F</u>		CANDLE	

### Communication symbols






















ID	glyph	UCS	glyph	Name	Comments
1040		<u>1F57F</u>		BLACK TOUCHTONE TELEPHONE = telephone solid → 260E  black telephone	260E has an old fashioned look widely used in East Asian fonts
1041		2706		TELEPHONE LOCATION SIGN	2706 is oriented differently
1042		<u>1F582</u>		BACK OF ENVELOPE → 2709  envelope	2709  ENVELOPE is really 'Sealed envelope'.
1043		<u>1F583</u>		STAMPED ENVELOPE = envelop front = mail	Same as w-0155
1044		1F4EA		CLOSED MAILBOX WITH LOWERED FLAG = mailbox with flag down	Although the UCS glyphs have been modified to have a smaller post the Wingdings glyphs look nicer
1045		1F4EB		CLOSED MAILBOX WITH RAISED FLAG = mailbox with flag up	See above for glyph
1046		1F4EC		OPEN MAILBOX WITH RAISED FLAG = mailbox open with flag up	See above for glyph Does this mean 'you have mail' or 'you are sending mail'?
1047		1F4ED		OPEN MAILBOX WITH LOWERED FLAG = mailbox open with flag down = you have no mail	See above for glyph

### Office symbols







ID	glyph	UCS	glyph	Name	Comments
1048		<u>1F5C0</u>		FOLDER = directory → 1F4C1  file folder	
1049		<u>1F5C1</u>		OPEN FOLDER → 1F4C2  open file folder	
1050		<u>1F5CE</u>		DOCUMENT = tall file with text 1 → 1F4C4  page facing up	These 3 tall file with text complete the set in w-2041-2049, reference w-0157

ID	glyph	UCS	glyph	Name	Comments
1051		<u>1F5CF</u>		PAGE = tall file with text → 1F4C3 	
1052		<u>1F5D0</u>		PAGES = tall file with text 3	
1053		<u>1F5C4</u>		FILE CABINET	
1054		23F3		HOURLASS WITH FLOWING SAND	Glyphs are different
1055		<u>1F5AE</u>		WIRED KEYBOARD = keyboard → 2328 	
1056		<u>1F5B0</u>		TWO BUTTON MOUSE	
1057		<u>1F5B2</u>		TRACKBALL = ballpoint	
1058		<u>1F5B3</u>		OLD PERSONAL COMPUTER → 1F4BB 	Old fashion shape
1059		<u>1F5B4</u>		HARD DISK	
1060		<u>1F5AB</u>		WHITE HARD SHELL FLOPPY DISK → 1F4BE 	Picture in 1F4BE also represents a hard shell floppy disk with different color and orientation. See also w-0205
1061		<u>1F5AC</u>		SOFT SHELL FLOPPY DISK → 1F4BE 	
1062		2707		TAPE DRIVE = tape reel	




























## Hand symbols

ID	glyph	UCS	glyph	Name	Comments
1063		270D		WRITING HAND = handwriting, right writing hand	
1064		<u>1F58E</u>		LEFT WRITING HAND = handwriting left	
1065		270C		VICTORY HAND	
1066		<u>1F58F</u>		TURNED OK HAND SIGN → 1F44C 	
1067		1F44D		THUMBS UP SIGN	UCS glyph was changed
1068		1F44E		THUMBS DOWN SIGN	UCS glyph was changed
1069		261C		WHITE LEFT POINTING INDEX	Most fonts don't have the black collar
1070		261E		WHITE RIGHT POINTING INDEX	Add cross reference to 1F449 white right pointing backhand index for 261E
1071		261D		WHITE UP POINTING INDEX	Add cross reference to 1F446 white up pointing backhand index for 261D
1072		<u>1F597</u>		WHITE DOWN POINTING LEFT HAND INDEX → 261F  → 1F447 	Other similar symbols have index on the right
1073		<u>1F590</u>		RAISED HAND WITH FINGERS SPLAYED = halt → 270B 	



## Emoticons

ID	glyph	UCS	glyph	Name	Comments
1074		263A		WHITE SMILING FACE	
1075		1F610		NEUTRAL FACE	
1076		2639		WHITE FROWNING FACE	

## Miscellaneous symbols

ID	glyph	UCS	glyph	Name	Comments
1077		1F4A3		BOMB	
1078		<u>1F571</u>		BLACK SKULL AND CROSSBONES = skull and crossbones → 2620 ☠ skull and crossbones	
1079		<u>1F3F3</u>		WAVING WHITE FLAG = flag → 2690 🚩 white flag	
1080		<u>1F3F1</u>		WHITE PENNANT → 1F6A9 🚩 triangular post on flag	
1081		2708		AIRPLANE	This symbol is more generic, does not show engines
1082		263C		WHITE SUN WITH RAYS = sunshine	Rays design is different
1083		<u>1F322</u>		BLACK DROPLET = droplet → 1F4A7 💧 droplet	
1084		2744		SNOWFLAKE	
1085		<u>1F546</u>		WHITE LATIN CROSS = cross outline → 271E ✚ shadowed white latin cross	
1086		271E		SHADOWED WHITE LATIN CROSS	
1087		<u>1F548</u>		CELTIC CROSS	
1088		2720		MALTESE CROSS	
1089		2721		STAR OF DAVID	
1090		262A		STAR AND CRESCENT	
1091		262F		YIN YANG	
1092		<u>1F549</u>		OM SYMBOL → 0950 ॐ devanagari om	Although identical to devanagari om sign, the symbol needs to be type independent
1093		2638		WHEEL OF DHARMA = wheel	

## Zodiacal symbols

ID	glyph	UCS	glyph	Name	Comments
1094		2648		ARIES	

ID	glyph	UCS	glyph	Name	Comments
1095		2649		TAURUS	
1096		264A		GEMINI	
1097		264B		CANCER	
1098		264C		LEO	
1099		264D		VIRGO	
1100		264E		LIBRA	
1101		264F		SCORPIUS = scorpio	
1102		2650		SAGITTARIUS	
1103		2651		CAPRICORN	
1104		2652		AQUARIUS	
1105		2653		PISCES	

### Ligatures

ID	glyph	UCS	glyph	Name	Comments
1106		<u>1F670</u>		SCRIPT LIGATURE ET ORNAMENT = italic ampersand lower case	See w-2089
1107		<u>1F675</u>		SWASH AMPERSAND ORNAMENT = italic ampersand	

### Geometric shapes

ID	glyph	UCS	glyph	Name	Comments
1108		26AB		MEDIUM BLACK CIRCLE = black medium circle = black circle 6	Smaller is w-2151, larger is w-2152 First occurrence of a 7 series (1 to 7) Usage of 26AB preferred for UI record
1109		<u>1F53E</u>		LOWER RIGHT SHADOWED WHITE CIRCLE = circle shadow down → 274D ○ shadowed white circle	Shadow is lower right instead of right, See also W-1166
1110		25FC		BLACK MEDIUM SQUARE = black square 6	Smaller is w-2161, larger is w-2162 First occurrence of a 7 series (1 to 7)
1111		<u>1F78F</u>		MEDIUM WHITE SQUARE = box 3	Smaller is w-1168, larger is w-1112 First occurrence of a series of 7
1112		<u>1F790</u>		BOLD WHITE SQUARE = box 4	Smaller is w-1111, larger is w-2164
1113		2751		LOWER RIGHT SHADOWED WHITE SQUARE = box shadow down	
1114		2752		UPPER RIGHT SHADOWED WHITE SQUARE = box shadow up	
1115		<u>1F79F</u>		BLACK MEDIUM SMALL LOZENGE = black lozenge 4	Smaller is w-2182, larger is w-2183 First occurrence of a series of 6
1116		29EB		BLACK LOZENGE = black lozenge 6	Smaller is w-2183, largest

ID	glyph	UCS	glyph	Name	Comments
1117	◆	25C6	◆	BLACK DIAMOND = black diamond 6	Smaller is w-2174, largest First occurrence of a series of 6
1118	✦	2756	✦	BLACK DIAMOND MINUS WHITE X = diamond with x	
1119	◆	<u>1F799</u>		BLACK MEDIUM SMALL DIAMOND = black diamond 4	Smaller is w-2173, larger is w-2174

### Keyboard symbols

ID	glyph	UCS	glyph	Name	Comments
1120	⊠	2327		X IN A RECTANGLE BOX = clear key → 2612 ⊠ ballot box with x	UCS glyph was changed
1121	⏏	<u>2BB9</u>		UP ARROWHEAD IN A RECTANGLE BOX = escape → 2B9B ⏏ escape key → 2353 ⊞ apl functional symbol quad up caret	

### Miscellaneous symbols

ID	glyph	UCS	glyph	Name	Comments
1122	⌘	2318	⌘	PLACE OF INTEREST SIGN = command	
1123	⚙	<u>1F3F5</u>		ROSETTE → 2740 ⚙ white florette	Significant variant
1124	⚙	<u>1F3F6</u>		BLACK ROSETTE → 2741 ⚙ eight petalled outlined black florette	Significant variant
1125	“	<u>1F676</u>		SANS-SERIF HEAVY DOUBLE TURNED COMMA QUOTATION MARK ORNAMENT → 275D “ heavy double turned comma quotation mark ornament	
1126	”	<u>1F677</u>		SANS-SERIF HEAVY DOUBLE COMMA QUOTATION MARK ORNAMENT → 275E ” heavy double comma quotation mark ornament	

### Circled numbers

ID	glyph	UCS	glyph	Name	Comments
1128	①	<u>1F10B</u>		DINGBAT CIRCLED SANS-SERIF DIGIT ZERO	Complement the Dingbat set 2780-2789
1129	①	2780	①	DINGBAT CIRCLED SANS-SERIF DIGIT ONE	.
1130	②	2781	②	DINGBAT CIRCLED SANS-SERIF DIGIT TWO	
1131	③	2782	③	DINGBAT CIRCLED SANS-SERIF DIGIT THREE	
1132	④	2783	④	DINGBAT CIRCLED SANS-SERIF DIGIT FOUR	
1133	⑤	2784	⑤	DINGBAT CIRCLED SANS-SERIF DIGIT FIVE	
1134	⑥	2785	⑥	DINGBAT CIRCLED SANS-SERIF DIGIT SIX	
1135	⑦	2786	⑦	DINGBAT CIRCLED SANS-SERIF DIGIT SEVEN	
1136	⑧	2787	⑧	DINGBAT CIRCLED SANS-SERIF DIGIT EIGHT	

ID	glyph	UCS	glyph	Name	Comments
1137	⑨	2788	⑨	DINGBAT CIRCLED SANS-SERIF DIGIT NINE	
1138	⑩	2789	⑩	DINGBAT CIRCLED SANS-SERIF DIGIT TEN	
1139	⓪	<u>1F10C</u>		DINGBAT NEGATIVE CIRCLED SANS-SERIF DIGIT ZERO	Complement the Dingbat set 278A-2793
1140	①	278A	①	DINGBAT NEGATIVE CIRCLED SANS-SERIF DIGIT ONE	
1141	②	278B	②	DINGBAT NEGATIVE CIRCLED SANS-SERIF DIGIT TWO	
1142	③	278C	③	DINGBAT NEGATIVE CIRCLED SANS-SERIF DIGIT THREE	
1143	④	278D	④	DINGBAT NEGATIVE CIRCLED SANS-SERIF DIGIT FOUR	
1144	⑤	278E	⑤	DINGBAT NEGATIVE CIRCLED SANS-SERIF DIGIT FIVE	
1145	⑥	278F	⑥	DINGBAT NEGATIVE CIRCLED SANS-SERIF DIGIT SIX	
1146	⑦	2790	⑦	DINGBAT NEGATIVE CIRCLED SANS-SERIF DIGIT SEVEN	
1147	⑧	2791	⑧	DINGBAT NEGATIVE CIRCLED SANS-SERIF DIGIT EIGHT	
1148	⑨	2792	⑨	DINGBAT NEGATIVE CIRCLED SANS-SERIF DIGIT NINE	
1149	⑩	2793	⑩	DINGBAT NEGATIVE CIRCLED SANS-SERIF DIGIT TEN	

### Ornament symbols





ID	glyph	UCS	glyph	Name	Comments
1150	☄	<u>1F662</u>		NORTH EAST POINTING BUD	See opposite weight in range w-2097-2104
1151	★	<u>1F660</u>		NORTH WEST POINTING BUD	
1152	☆	<u>1F661</u>		SOUTH WEST POINTING BUD	
1153	☇	<u>1F663</u>		SOUTH EAST POINTING BUD	
1154	☈	<u>1F65E</u>		HEAVY NORTH EAST POINTING VINE LEAF	
1155	☉	<u>1F65C</u>		HEAVY NORTH WEST POINTING VINE LEAF	
1156	☊	<u>1F65D</u>		HEAVY SOUTH WEST POINTING VINE LEAF	
1157	☋	<u>1F65F</u>		HEAVY SOUTH EAST POINTING VINE LEAF	

### Geometric shapes

























ID	glyph	UCS	glyph	Name	Comments
1158	•	2219	•	BULLET OPERATOR = black circle 2 = black very small circle	Smaller is w-2149, larger is w-2150
1159	●	2022	●	BULLET = black circle 4 = black small circle	Smaller is w-2150, larger is w-2151











ID	glyph	UCS	glyph	Name	Comments
1160	▪	2B1D	▪	BLACK VERY SMALL SQUARE = black square 2	Smaller is w-2159, larger is w-2160
1161	○	2B58	○	HEAVY CIRCLE = ring 2 = light white circle	Smaller is w-2153, larger is w-2154 First occurrence of a series of 7
1162	⦶	<u>1F786</u>		BOLD WHITE CIRCLE = ring 4	Smaller is w-2154, larger is w-2155
1163	⦿	<u>1F788</u>		VERY HEAVY WHITE CIRCLE = ring 6	Smaller is w-2155, larger is w-2156
1164	⦿	<u>1F78A</u>		WHITE CIRCLE CONTAINING BLACK SMALL CIRCLE = ring button 2	Smaller is w-2157, larger is w-2158 First occurrence of a series of 3
1165	⊙	<u>1F78B</u>		ROUND TARGET → 25CE ⊙ bullseye → 29BE ⊙ circled white bullet → 2B57 ⊙ heavy circle with circle inside	Part of a target collection (round, square, diamond)
1166	◐	<u>1F53F</u>		UPPER RIGHT SHADOWED WHITE CIRCLE → 274D ◐ shadowed white circle	See w-1109
1167	■	25AA	■	BLACK SMALL SQUARE = black square 4	Smaller is w-2160, larger is w-2161
1168	□	<u>1F78E</u>		LIGHT WHITE SQUARE = box 2	Lighter is w-2163, Heavier is w-1111
1169	▲	<u>1F7C1</u>		MEDIUM THREE POINTED BLACK STAR = 2	Previous is w-2229, next is w-2230 First occurrence of a series of 3
1170	✦	<u>1F7C5</u>		MEDIUM FOUR POINTED BLACK STAR = 2	Previous is w-2231, next is w-2232 First occurrence of a series of 3
1171	★	2605	★	BLACK STAR = five pointed black star 2	Previous is w-2233, next is w-2234 First occurrence of a series of 3
1172	★	<u>1F7CB</u>		MEDIUM SIX POINTED BLACK STAR = 2	Previous is w-2235, next is w-2236 First occurrence of a series of 4
1173	✳	<u>1F7CF</u>		HEAVY EIGHT POINTED BLACK STAR = 2 → 2738 ✳ heavy eight pointed rectilinear black star	Why rectilinear in 2738? Previous is w-2237, next is w-2238 First occurrence of a series of 3
1174	✳	<u>1F7D3</u>		HEAVY TWELVE POINTED BLACK STAR = 3	Previous is w-2240, last First occurrence of a series of 3
1175	✳	<u>1F7D1</u>		HEAVY EIGHT POINTED PINWHEEL STAR = 2 → 2735 ✳ eight pointed pinwheel star	In shape correspond to a 'eight pointed black star 2', the shape for 2735 is the '1' variant. See w-2241..w-2245
1176	⊠	<u>2BD0</u>		SQUARE POSITION INDICATOR = register square → 2316 ⊠ position indicator	
1177	⊕	2316		POSITION INDICATOR = register circle	UCS glyph was changed
1178	✧	<u>2BCE</u>		WHITE FOUR POINTED CUSP → 2727 ✧ white four pointed star	Scup designates the 'curved' lines See w-2246
1179	◊	<u>2BCF</u>		ROTATED WHITE FOUR POINTED CUSP → 2311 ◊ square lozenge	See w-2247
1180	◊	<u>2BD1</u>		UNCERTAINTY SIGN = query → 2370 ◊ apl functional symbol quad question → FFFD ◊ replacement character	this is unequivocally the question mark in the diamond, whereas FFFD could have any representation

ID	glyph	UCS	glyph	Name	Comments
1181		272A		CIRCLED WHITE STAR	
1182		2730		SHADOWED WHITE STAR = star shadow	Shadow is different











### Clock face symbols

ID	glyph	UCS	glyph	Name	Comments
1183		1F550		CLOCK FACE ONE OCLOCK	
1184		1F551		CLOCK FACE TWO OCLOCK	
1185		1F552		CLOCK FACE THREE OCLOCK	
1186		1F553		CLOCK FACE FOUR OCLOCK	
1187		1F554		CLOCK FACE FIVE OCLOCK	
1188		1F555		CLOCK FACE SIX OCLOCK	
1189		1F556		CLOCK FACE SEVEN OCLOCK	
1190		1F557		CLOCK FACE EIGHT OCLOCK	
1191		1F558		CLOCK FACE NINE OCLOCK	
1192		1F559		CLOCK FACE TEN OCLOCK	
1193		1F55A		CLOCK FACE ELEVEN OCLOCK	
1194		1F55B		CLOCK FACE TWELVE OCLOCK	



### Arrows

ID	glyph	UCS	glyph	Name	Comments
1195		<u>2BB0</u>		RIBBON ARROW DOWN LEFT	
1196		<u>2BB1</u>		RIBBON ARROW DOWN RIGHT	
1197		<u>2BB2</u>		RIBBON ARROW UP LEFT	
1198		<u>2BB3</u>		RIBBON ARROW UP RIGHT	
1199		<u>2BB4</u>		RIBBON ARROW LEFT UP	
1200		<u>2BB5</u>		RIBBON ARROW RIGHT UP	
1201		<u>2BB6</u>		RIBBON ARROW LEFT DOWN	
1202		<u>2BB7</u>		RIBBON ARROW RIGHT DOWN	









## Ornament symbols

























ID	glyph	UCS	glyph	Name	Comments
1203		<u>1F66A</u>		SOLID QUILT SQUARE ORNAMENT = fourfold knot ornament	
1204		<u>1F66B</u>		SOLID QUILT SQUARE ORNAMENT IN BLACK SQUARE = inverse fourfold knot ornament	
1205		<u>1F655</u>		TURNED SOUTH WEST POINTING LEAF	
1206		<u>1F654</u>		TURNED NORTH WEST POINTING LEAF	
1207		<u>1F657</u>		TURNED SOUTH EAST POINTING LEAF	
1208		<u>1F656</u>		TURNED NORTH EAST POINTING LEAF	
1209		<u>1F650</u>		NORTH WEST POINTING LEAF	
1210		<u>1F651</u>		SOUTH WEST POINTING LEAF	
1211		<u>1F652</u>		NORTH EAST POINTING LEAF	
1212		<u>1F653</u>		SOUTH EAST POINTING LEAF	



## Erase symbols

ID	glyph	UCS	glyph	Name	Comments
1213		232B		ERASE TO THE LEFT = delete left	UCS glyph was changed
1214		2326		ERASE TO THE RIGHT = delete right	UCS glyph was changed



## Arrows

ID	glyph	UCS	glyph	Name	Comments
1215		<u>2B98</u>		THREE-D TOP-LIGHTED LEFTWARDS EQUILATERAL ARROWHEAD	This pair is narrower than the 27A2-27A3 pair
1216		<u>2B9A</u>		THREE-D TOP-LIGHTED RIGHTWARDS EQUILATERAL ARROWHEAD → 27A2 > three-d top-lighted rightwards arrowhead	
1217		<u>2B99</u>		THREE-D RIGHT-LIGHTED UPWARDS EQUILATERAL ARROWHEAD	
1218		<u>2B9B</u>		THREE-D LEFT-LIGHTED DOWNWARDS EQUILATERAL ARROWHEAD	
1219		<u>2B88</u>		LEFTWARDS BLACK CIRCLED WHITE ARROW	
1220		<u>2B8A</u>		RIGHTWARDS BLACK CIRCLED WHITE ARROW → 27B2 ⇨ circled heavy white rightwards arrow	
1221		<u>2B89</u>		UPWARDS BLACK CIRCLED WHITE ARROW	
1222		<u>2B8B</u>		DOWNWARDS BLACK CIRCLED WHITE ARROW	









ID	glyph	UCS	glyph	Name	Comments
1223		<u>1F868</u>		WIDE-HEADED LEFTWARDS BARB ARROW	PS style is 'barb2', see w-3209
1224		<u>1F86A</u>		WIDE-HEADED RIGHTWARDS BARB ARROW	
1225		<u>1F869</u>		WIDE-HEADED UPWARDS BARB ARROW	
1226		<u>1F86B</u>		WIDE-HEADED DOWNWARDS BARB ARROW	
1227		<u>1F86C</u>		WIDE-HEADED NORTH WEST BARB ARROW	
1228		<u>1F86D</u>		WIDE-HEADED NORTH EAST BARB ARROW	
1229		<u>1F86F</u>		WIDE-HEADED SOUTH WEST BARB ARROW	
1230		<u>1F86E</u>		WIDE-HEADED SOUTH EAST BARB ARROW	
1231		<u>1F878</u>		WIDE-HEADED LEFTWARDS HEAVY BARB ARROW	PS style is 'barb2', see w-3209
1232		<u>1F87A</u>		WIDE-HEADED RIGHTWARDS HEAVY BARB ARROW	
1233		<u>1F879</u>		WIDE-HEADED UPWARDS HEAVY BARB ARROW	
1234		<u>1F87B</u>		WIDE-HEADED DOWNWARDS HEAVY BARB ARROW	
1235		<u>1F87C</u>		WIDE-HEADED NORTH WEST HEAVY BARB ARROW	
1236		<u>1F87D</u>		WIDE-HEADED NORTH EAST HEAVY BARB ARROW	
1237		<u>1F87F</u>		WIDE-HEADED SOUTH WEST HEAVY BARB ARROW	
1238		<u>1F87E</u>		WIDE-HEADED SOUTH EAST HEAVY BARB ARROW	
1239		21E6		LEFTWARDS WHITE ARROW	UCS glyphs were changed for all white arrows
1240		21E8		RIGHTWARDS WHITE ARROW	
1241		21E7		UPWARDS WHITE ARROW	
1242		21E9		DOWNWARDS WHITE ARROW	
1243		2B04		LEFT RIGHT WHITE ARROW	
1244		21F3		UP DOWN WHITE ARROW	
1245		2B01		NORTH WEST WHITE ARROW	
1246		2B00		NORTH EAST WHITE ARROW	

ID	glyph	UCS	glyph	Name	Comments
1247		2B03		SOUTH WEST WHITE ARROW	
1248		2B02		SOUTH EAST WHITE ARROW	

### Arrow elements







ID	glyph	UCS	glyph	Name	Comments
1249		1F8AC		WHITE ARROW SHAFT WIDTH ONE	Vertical aligned with white arrow
1250		1F8AD		WHITE ARROW SHAFT WIDTH TWO THIRDS	

### Miscellaneous symbols







ID	glyph	UCS	glyph	Name	Comments
1251		1F5F6		BALLOT BOLD SCRIPT X = x mark bold → 2717  ballot x	Ballot x has longer legs. All these glyphs are heavy, unlike similar glyphs in w-2079-2082
1252		2713		CHECK MARK = heavy check	
1253		1F5F7		BALLOT BOX WITH BOLD SCRIPT X = box x mark bold	
1254		1F5F9		BALLOT BOX WITH BOLD CHECK = box check bold → 2611  ballot box with check	
1255				WINDOWS LOGO	Probably copyright, trademark issue

## Wingdings 2




### Writing implements

ID	glyph	UCS	glyph	Name	Comments
2033		<u>1F58A</u>		LOWER LEFT BALLPOINT PEN = ballpoint pen → 270E  lower right pencil	See also w-1033
2034		<u>1F58B</u>		LOWER LEFT FOUNTAIN PEN = fountain pen → 2711  white nib	
2035		<u>1F58C</u>		LOWER LEFT PAINTBRUSH = brush	
2036		<u>1F58D</u>		LOWER LEFT CRAYON = crayon	









### Scissors






ID	glyph	UCS	glyph	Name	Comments
2037		2704		WHITE SCISSORS = scissors outline → 2704  white scissors	Styles slightly different
2038		<u>2700</u>		BLACK SAFETY SCISSORS → 2702  black scissors	Tips are rounded

### Telephones








ID	glyph	UCS	glyph	Name	Comments
2039		<u>1F57E</u>		WHITE TOUCHTONE TELEPHONE = telephone → 260F  white telephone	260F has an old fashioned look used in East Asian fonts, similar case to w-1040
2040		<u>1F57D</u>		RIGHT HAND TELEPHONE RECEIVER = telephone handset	See also w-0197, add reference

### User Interfaces symbols















ID	glyph	UCS	glyph	Name	Comments
2041		<u>1F5C5</u>		EMPTY NOTE = file1	Alias for the 9 following characters denote usage in UI, maybe should use those names
2042		<u>1F5C6</u>		EMPTY NOTE PAGE = file	
2043		<u>1F5C7</u>		EMPTY NOTE PAD = file3	
2044		<u>1F5C8</u>		NOTE = file text1	
2045		<u>1F5C9</u>		NOTE PAGE = file text	
2046		<u>1F5CA</u>		NOTE PAD = file text3	
2047		<u>1F5CB</u>		EMPTY DOCUMENT = tall file1	
2048		<u>1F5CC</u>		EMPTY PAGE = tall file	












ID	glyph	UCS	glyph	Name	Comments
2049		<u>1F5CD</u>		EMPTY PAGES = tall file3	
2050		<u>1F4CB</u>		CLIPBOARD	See w-0164
2051		<u>1F5D1</u>		WASTEBASKET = trashcan	
2052		<u>1F5D4</u>		DESKTOP WINDOW	

## Computer hardware icons

















ID	glyph	UCS	glyph	Name	Comments
2053		<u>1F5B5</u>		SCREEN = monitor → 20E2 combining enclosing screen	
2054		<u>1F5B6</u>		PRINTER ICON	
2055		<u>1F5B7</u>		FAX ICON → 1F4E0 📠 fax machine	See also w-0198, w-0202
2056		<u>1F5B8</u>		OPTICAL DISC ICON = compact disc → 1F4BF 💿 optical disc	See also w-0179, could also be named according to shape
2057		<u>1F5AD</u>		TAPE CARTRIDGE	
2058		<u>1F5AF</u>		ONE BUTTON MOUSE	Reference w-1056
2059		<u>1F5B1</u>		THREE BUTTON MOUSE	

## Hand symbols





ID	glyph	UCS	glyph	Name	Comments
2060		<u>1F592</u>		REVERSED THUMBS UP SIGN → 1F44D 👍 thumbs up sign	See also w-1067
2061		<u>1F593</u>		REVERSED THUMBS DOWN SIGN → 1F44E 👎 thumbs down sign	See also w-1068
2062		<u>1F598</u>		SIDEWAYS WHITE LEFT POINTING INDEX → 261C 🖐 white left pointing index	See also w-1069
2063		<u>1F599</u>		SIDEWAYS WHITE RIGHT POINTING INDEX → 261E 🖐 white right pointing index	See also w-1070
2064		<u>1F59A</u>		SIDEWAYS BLACK LEFT POINTING INDEX	
2065		<u>1F59B</u>		SIDEWAYS BLACK RIGHT POINTING INDEX	
2066		<u>1F448</u>		WHITE LEFT POINTING BACKHAND INDEX	
2067		<u>1F449</u>		WHITE RIGHT POINTING BACKHAND INDEX	
2068		<u>1F59C</u>		BLACK LEFT POINTING BACKHAND INDEX → 1F448 🖐 white left pointing backhand index	
2069		<u>1F59D</u>		BLACK RIGHT POINTING BACKHAND INDEX → 1F449 🖐 white right pointing backhand index	
2070		<u>1F59E</u>		SIDEWAYS WHITE UP POINTING INDEX → 261D 🖐 white up pointing index	See also w-1071
2071		<u>1F59F</u>		SIDEWAYS WHITE DOWN POINTING INDEX → 261F 🖐 white down pointing index	See also w-1072

ID	glyph	UCS	glyph	Name	Comments
2072		<u>1F5A0</u>		SIDEWAYS BLACK UP POINTING INDEX	
2073		<u>1F5A1</u>		SIDEWAYS BLACK DOWN POINTING INDEX	
2074		<u>1F446</u>		WHITE UP POINTING BACKHAND INDEX	
2075		<u>1F447</u>		WHITE DOWN POINTING BACKHAND INDEX	
2076		<u>1F5A2</u>		BLACK UP POINTING BACKHAND INDEX → 1F446  white up pointing backhand index	
2077		<u>1F5A3</u>		BLACK DOWN POINTING BACKHAND INDEX → 1F447  white down pointing backhand index	
2078		<u>1F591</u>		REVERSED RAISED HAND WITH FINGERS SPLAYED	See w-1073, add reference

### Miscellaneous symbols

ID	glyph	UCS	glyph	Name	Comments
2079		<u>1F5F4</u>		BALLOT SCRIPT X = x mark	See w-1251
2080		<u>1F5F8</u>		LIGHT CHECK MARK = check → 2713  check mark	See w-1252
2081		<u>1F5F5</u>		BALLOT BOX WITH SCRIPT X = box x mark	See w-1253
2082		2611		BALLOT BOX WITH CHECK = box x check	See w-1254
2083		<u>2BBD</u>		BALLOT BOX WITH LIGHT X = box x → 2612  ballot box with x	
2084		2612		BALLOT BOX WITH X = box x bold	
2085		<u>2BBE</u>		CIRCLED X → 2297  circled times	This should be <2297, FE00>, is that ideal?
2086		<u>2BBF</u>		CIRCLED BOLD X = circled x bold	
2087		<u>1F6C7</u>		PROHIBITED SIGN = prohibit	
2088		29B8		CIRCLED REVERSE SOLIDUS = prohibit bold	Duplicate of w-0120

### Ligatures

ID	glyph	UCS	glyph	Name	Comments
2089		<u>1F671</u>		HEAVY SCRIPT LIGATURE ET ORNAMENT	See w-1106
2090		<u>1F674</u>		HEAVY AMPERSAND ORNAMENT	
2091		<u>1F672</u>		LIGATURE OPEN ET ORNAMENT	
2092		<u>1F673</u>		HEAVY LIGATURE OPEN ET ORNAMENT	



## Punctuations

ID	glyph	UCS	glyph	Name	Comments
2093	ꞑ	203D	ꞑ	INTERROBANG	See w-1106
2094	Ꞓ	1F679		HEAVY INTERROBANG ORNAMENT	
2095	ꞓ	1F67A		SANS-SERIF INTERROBANG ORNAMENT	
2096	ꞔ	1F67B		HEAVY SANS-SERIF INTERROBANG ORNAMENT	

## Ornament symbols

ID	glyph	UCS	glyph	Name	Comments
2097	ꞕ	1F666		HEAVY NORTH EAST POINTING BUD	See opposite weight in range w-1150-1157
2098	Ꞗ	1F664		HEAVY NORTH WEST POINTING BUD	
2099	ꞗ	1F665		HEAVY SOUTH WEST POINTING BUD	
2100	Ꞙ	1F667		HEAVY SOUTH EAST POINTING BUD	
2101	ꞙ	1F65A		NORTH EAST POINTING VINE LEAF	
2102	Ꞛ	1F658		NORTH WEST POINTING VINE LEAF	
2103	ꞛ	1F659		SOUTH WEST POINTING VINE LEAF	
2104	Ꞝ	1F65B		SOUTH EAST POINTING VINE LEAF	

## Circled numbers

ID	glyph	UCS	glyph	Name	Comments
2105	①	24EA	①	CIRCLED DIGIT ZERO	See also range w-1128..w-1149. The following sets are serif style.
2106	②	2460	②	CIRCLED DIGIT ONE	
2107	③	2461	③	CIRCLED DIGIT TWO	
2108	④	2462	④	CIRCLED DIGIT THREE	
2109	⑤	2463	⑤	CIRCLED DIGIT FOUR	
2110	⑥	2464	⑥	CIRCLED DIGIT FIVE	
2111	⑦	2465	⑦	CIRCLED DIGIT SIX	
2112	⑧	2466	⑧	CIRCLED DIGIT SEVEN	
2113	⑨	2467	⑨	CIRCLED DIGIT EIGHT	

ID	glyph	UCS	glyph	Name	Comments
2114	⑨	2468	⑨	CIRCLED DIGIT NINE	
2115	⑩	2469	⑩	CIRCLED DIGIT TEN	
2116	⓪	24FF	⓪	NEGATIVE CIRCLED DIGIT ZERO	Wingding glyph is better
2117	①	2776	①	DINGBAT NEGATIVE CIRCLED DIGIT ONE	
2118	②	2777	②	DINGBAT NEGATIVE CIRCLED DIGIT TWO	
2119	③	2778	③	DINGBAT NEGATIVE CIRCLED DIGIT THREE	
2120	④	2779	④	DINGBAT NEGATIVE CIRCLED DIGIT FOUR	
2121	⑤	277A	⑤	DINGBAT NEGATIVE CIRCLED DIGIT FIVE	
2122	⑥	277B	⑥	DINGBAT NEGATIVE CIRCLED DIGIT SIX	
2123	⑦	277C	⑦	DINGBAT NEGATIVE CIRCLED DIGIT SEVEN	
2124	⑧	277D	⑧	DINGBAT NEGATIVE CIRCLED DIGIT EIGHT	
2125	⑨	277E	⑨	DINGBAT NEGATIVE CIRCLED DIGIT NINE	
2126	⑩	277F	⑩	DINGBAT NEGATIVE CIRCLED DIGIT TEN	

### Sun and moon symbols























ID	glyph	UCS	glyph	Name	Comments
2128	☉	2609	☉	SUN	
2129	☾	1F315	☾	FULL MOON SYMBOL	
2130	☾	263D	☾	FIRST QUARTER MOON	
2131	☾	263E	☾	LAST QUARTER MOON	

### Miscellaneous symbols



ID	glyph	UCS	glyph	Name	Comments
2132	⦿	2E3F		CAPITULUM * ancestor of the pilcrow sign → 00B6 ¶ pilcrow sign	
2133	†	271D	†	LATIN CROSS	
2134	‡	1F547		HEAVY LATIN CROSS	

### Clock face symbols

ID	glyph	UCS	glyph	Name	Comments
2135	🕒	1F55C	🕒	CLOCK FACE ONE-THIRTY	UCS glyphs are better

ID	glyph	UCS	glyph	Name	Comments
2136		1F55D		CLOCK FACE TWO-THIRTY	
2137		1F55E		CLOCK FACE THREE-THIRTY	
2138		1F55F		CLOCK FACE FOUR-THIRTY	
2139		1F560		CLOCK FACE FIVE-THIRTY	
2140		1F561		CLOCK FACE SIX-THIRTY	
2141		1F562		CLOCK FACE SEVEN-THIRTY	
2142		1F563		CLOCK FACE EIGHT-THIRTY	
2143		1F564		CLOCK FACE NINE-THIRTY	
2144		1F565		CLOCK FACE TEN-THIRTY	
2145		1F566		CLOCK FACE ELEVEN-THIRTY	
2146		1F567		CLOCK FACE TWELVE-THIRTY	

### Ornament symbols



ID	glyph	UCS	glyph	Name	Comments
2147		<u>1F668</u>		HOLLOW QUILT SQUARE ORNAMENT	See w-1203
2148		<u>1F669</u>		HOLLOW QUILT SQUARE ORNAMENT IN BLACK SQUARE	See w-1204

### Black circles






ID	glyph	UCS	glyph	Name	Comments
2149	.	22C5	.	DOT OPERATOR = black circle 1 = black tiny circle	Smallest, larger is w-1158
2150	•	<u>1F784</u>		BLACK SLIGHTLY SMALL CIRCLE = black circle 3	Smaller is w-1158, larger is w-1159
2151	●	2981	●	Z NOTATION SPOT = black circle 5 = black medium small circle	Smaller is w-1159, larger is w-1108
2152	⬤	25CF	⬤	BLACK CIRCLE = black circle 7	Smaller is w-1108, Largest

### White circles







ID	glyph	UCS	glyph	Name	Comments
2153	○	25CB	○	WHITE CIRCLE = ring 1 = thin white circle	Smallest, larger is w-1161
2154	⦶	<u>1F785</u>		MEDIUM BOLD WHITE CIRCLE = ring 3 → 26AA ○ medium white circle	Smaller is w-1161, larger is w-1162

ID	glyph	UCS	glyph	Name	Comments
2155		<u>1F787</u>		HEAVY WHITE CIRCLE = ring 5	Smaller is w-1162, larger is w-1163
2156		<u>1F789</u>		EXTREMELY HEAVY WHITE CIRCLE = ring 7	Smaller is w-1163, largest






### White circles containing another black circle

ID	glyph	UCS	glyph	Name	Comments
2157		2299		CIRCLED DOT OPERATOR = ring button 1	Smallest, larger is w-1164
2158		29BF		CIRCLED BULLET = ring button 3 → 25C9 	Smaller is w-1164, largest





### Black squares

ID	glyph	UCS	glyph	Name	Comments
2159		<u>1F78C</u>		BLACK TINY SQUARE = black square 1	Smallest, larger is w-1160
2160		<u>1F78D</u>		BLACK SLIGHTLY SMALL SQUARE = black square 3	Smaller is w-1160, larger is w-1167
2161		25FE		BLACK MEDIUM SMALL SQUARE = black square 5	Smaller is w-1167, larger is w-1110
2162		25A0		BLACK SQUARE = black square 7	Smaller is w-1110, Largest


### White squares

ID	glyph	UCS	glyph	Name	Comments
2163		25A1		WHITE SQUARE = box 1 = thin white square	Smallest, larger is w-1168
2164		<u>1F791</u>		HEAVY WHITE SQUARE = box 5	Smaller is w-1112, larger is w-2165
2165		<u>1F792</u>		VERY HEAVY WHITE SQUARE = box 6	Smaller is w-2164, larger is w-2166
2166		<u>1F793</u>		EXTREMELY HEAVY WHITE SQUARE = box 7	Smaller is w-2165, Largest

### Box buttons

ID	glyph	UCS	glyph	Name	Comments
2167		<u>1F794</u>		WHITE SQUARE CONTAINING BLACK VERY SMALL SQUARE = box button 1	Series of 3
2168		25A3		WHITE SQUARE CONTAINING BLACK SMALL SQUARE = box button 2	
2169		<u>1F795</u>		WHITE SQUARE CONTAINING BLACK MEDIUM SQUARE = box button 3	

## Square target

ID	glyph	UCS	glyph	Name	Comments
2170		<u>1F796</u>		SQUARE TARGET	Reference w-1165

## Diamond

ID	glyph	UCS	glyph	Name	Comments
2171	.	<u>1F797</u>		BLACK TINY DIAMOND = black diamond 1	Smallest, larger is w-2172
2172	◦	<u>1F798</u>		BLACK VERY SMALL DIAMOND = black diamond 2	Smaller is w-2171, larger is w-2173
2173	◐	2B29	◑	BLACK SMALL DIAMOND = black diamond 3	Smaller is w-2172, larger is w-1119
2174	◒	2B25	◓	BLACK MEDIUM DIAMOND = black diamond 5	Smaller is w-1119, larger is w-1117
2175	◔	25C7	◕	WHITE DIAMOND	

## White diamonds containing another black diamond

ID	glyph	UCS	glyph	Name	Comments
2176	◔◐	<u>1F79A</u>		WHITE DIAMOND CONTAINING BLACK VERY SMALL DIAMOND = diamond button 1	Series of 3
2177	◔◑	25C8	◔◓	WHITE DIAMOND CONTAINING BLACK SMALL DIAMOND = diamond button 2	
2178	◔◒	<u>1F79B</u>		WHITE DIAMOND CONTAINING BLACK MEDIUM DIAMOND = diamond button 3	

## Diamond target

ID	glyph	UCS	glyph	Name	Comments
2179	◔◕	<u>1F79C</u>		DIAMOND TARGET	Reference w-1165

## Lozenges

ID	glyph	UCS	glyph	Name	Comments
2180	.	<u>1F79D</u>		BLACK TINY LOZENGE = black lozenge 1	Smallest, larger is w-2181
2181	◊	<u>1F79E</u>		BLACK VERY SMALL LOZENGE = black lozenge 2	Smaller is w-2180, larger is w-2182
2182	◈	2B2A	◉	BLACK SMALL LOZENGE = black lozenge 3	Smaller is w-2181, larger is w-1115
2183	◊	2B27	◈	BLACK MEDIUM LOZENGE = black lozenge 5	Smaller is w-1115, larger is w-1116
2184	◊	25CA	◊	LOZENGE = white lozenge	UCS glyph too small

## Lozenge button

ID	glyph	UCS	glyph	Name	Comments
2185		<u>1F7A0</u>		WHITE LOZENGE CONTAINING BLACK SMALL LOZENGE = lozenge button	

## Half circles

ID	glyph	UCS	glyph	Name	Comments
2186		25D6		LEFT HALF BLACK CIRCLE	Reference w-1165
2187		25D7		RIGHT HALF BLACK CIRCLE	
2188		<u>2BCA</u>		TOP HALF BLACK CIRCLE	
2189		<u>2BCB</u>		BOTTOM HALF BLACK CIRCLE	

## Centered geometric shapes

ID	glyph	UCS	glyph	Name	Comments
2190		<u>2BC0</u>		BLACK SQUARE CENTRED	All but two last of this series have 'cent' suffix in their PS name
2191		<u>2BC1</u>		BLACK DIAMOND CENTRED	
2192		2B1F		BLACK PENTAGON = black pentagon 1 centered	
2193		<u>2BC2</u>		TURNT BLACK PENTAGON = black pentagon 2 centered	
2194		2B23		HORIZONTAL BLACK HEXAGON = black hexagon 1 centered	
2195		2B22		BLACK HEXAGON = black hexagon 2 centered	
2196		<u>2BC3</u>		HORIZONTAL BLACK OCTAGON = black octagon 1	
2197		<u>2BC4</u>		BLACK OCTAGON = black octagon 2	

## Crosses

ID	glyph	UCS	glyph	Name	Comments
2198		<u>1F7A1</u>		THIN GREEK CROSS = cross 1	
2199		<u>1F7A2</u>		LIGHT GREEK CROSS = cross 2	
2200		<u>1F7A3</u>		MEDIUM GREEK CROSS = cross 3	
2201		<u>1F7A4</u>		BOLD GREEK CROSS = cross 4	
2202		<u>1F7A5</u>		VERY BOLD GREEK CROSS = cross 5	

ID	glyph	UCS	glyph	Name	Comments
2203	+	<u>1F7A6</u>		VERY HEAVY GREEK CROSS = cross 6	
2204	+	<u>1F7A7</u>		EXTREMELY HEAVY GREEK CROSS = cross 7	

### Saltires

ID	glyph	UCS	glyph	Name	Comments
2205	×	<u>1F7A8</u>		THIN SALTIRE = x 1	
2206	×	<u>1F7A9</u>		LIGHT SALTIRE = x 2	
2207	×	<u>1F7AA</u>		MEDIUM SALTIRE = x 3	
2208	×	<u>1F7AB</u>		BOLD SALTIRE = x 4	
2209	×	<u>1F7AC</u>		HEAVY SALTIRE = x 5	
2210	×	<u>1F7AD</u>		VERY HEAVY SALTIRE = x 6	
2211	×	<u>1F7AE</u>		EXTREMELY HEAVY SALTIRE = x 7	

### Five spoked asterisks

ID	glyph	UCS	glyph	Name	Comments
2212	✧	<u>1F7AF</u>		LIGHT FIVE SPOKED ASTERISK	
2213	✧	<u>1F7B0</u>		MEDIUM FIVE SPOKED ASTERISK	
2214	✧	<u>1F7B1</u>		BOLD FIVE SPOKED ASTERISK	
2215	✧	<u>1F7B2</u>		HEAVY FIVE SPOKED ASTERISK	
2216	✧	<u>1F7B3</u>		VERY HEAVY FIVE SPOKED ASTERISK	
2217	✧	<u>1F7B4</u>		EXTREMELY HEAVY FIVE SPOKED ASTERISK	

### Six spoked asterisks

ID	glyph	UCS	glyph	Name	Comments
2218	✧	<u>1F7B5</u>		LIGHT SIX SPOKED ASTERISK	
2219	✧	<u>1F7B6</u>		MEDIUM SIX SPOKED ASTERISK	
2220	✧	<u>1F7B7</u>		BOLD SIX SPOKED ASTERISK	
2221	✧	<u>1F7B8</u>		HEAVY SIX SPOKED ASTERISK	

ID	glyph	UCS	glyph	Name	Comments
2222	✳	<u>1F7B9</u>		VERY HEAVY SIX SPOKED ASTERISK	
2223	✳	<u>1F7BA</u>		EXTREMELY HEAVY SIX SPOKED ASTERISK	

### Eight spoked asterisks

ID	glyph	UCS	glyph	Name	Comments
2224	✳	<u>1F7BB</u>		LIGHT EIGHT SPOKED ASTERISK	
2225	✳	<u>1F7BC</u>		MEDIUM EIGHT SPOKED ASTERISK	
2226	✳	<u>1F7BD</u>		BOLD EIGHT SPOKED ASTERISK	
2227	✳	<u>1F7BE</u>		HEAVY EIGHT SPOKED ASTERISK	
2228	✳	<u>1F7BF</u>		VERY HEAVY EIGHT SPOKED ASTERISK	

### Pointed stars

ID	glyph	UCS	glyph	Name	Comments
2229	✧	<u>1F7C0</u>		LIGHT THREE POINTED BLACK STAR	First, next is w-1169
2230	✧	<u>1F7C2</u>		THREE POINTED BLACK STAR	Previous is w-1169, last
2231	✧	<u>1F7C4</u>		LIGHT FOUR POINTED BLACK STAR	First, next is w-1170
2232	✧	<u>1F7C6</u>		FOUR POINTED BLACK STAR * 2726 black four pointed star is a cusp → 2726 ✦ black four pointed star	Previous is w-1170, last
2233	★	<u>1F7C9</u>		LIGHT FIVE POINTED BLACK STAR	First, next is w-1171
2234	★	<u>1F7CA</u>		HEAVY FIVE POINTED BLACK STAR	Previous is w-1171, last
2235	★	2736	★	SIX POINTED BLACK STAR = six pointed black star 1	First, next is w-1172
2236	★	<u>1F7CC</u>		HEAVY SIX POINTED BLACK STAR	Previous is w-1172, last
2237	✳	<u>1F7CE</u>		MEDIUM EIGHT POINTED BLACK STAR	First, next is w-1173
2238	✳	<u>1F7D0</u>		VERY HEAVY EIGHT POINTED BLACK STAR	Previous is w-1173, last
2239	✳	<u>1F7D2</u>		LIGHT TWELVE POINTED BLACK STAR	First, next is w-2240
2240	✳	2739	✳	TWELVE POINTED BLACK STAR = twelve pointed black star 2	Previous is w-2240, next is w-1174
2241	✧	<u>1F7C3</u>		MEDIUM THREE POINTED PINWHEEL STAR	
2242	✧	<u>1F7C7</u>		MEDIUM FOUR POINTED PINWHEEL STAR	



ID	glyph	UCS	glyph	Name	Comments
2243	★	272F	★	PINWHEEL STAR = five pointed pinwheel star	Size is slightly different
2244	✳	<u>1F7CD</u>		SIX POINTED PINWHEEL STAR	
2245	✻	<u>1F7D4</u>		HEAVY TWELVE POINTED PINWHEEL STAR	

### Miscellaneous symbols

ID	glyph	UCS	glyph	Name	Comments
2246	✦	<u>2BCC</u>		LIGHT FOUR POINTED BLACK CUSP → 2726 ✦ black four pointed star	Cusp designates curved lines See w-1178
2247	✧	<u>2BCD</u>		ROTATED LIGHT FOUR POINTED BLACK CUSP	See w-1179
2248	✕	203B	✕	REFERENCE MARK = x dot	
2249	* **	2042	* **	ASTERISM	

## Wingdings 3

### Simple triangle-headed arrows

ID	glyph	UCS	glyph	Name	Comments
3033	←	<u>2B60</u>		LEFTWARDS TRIANGLE-HEADED ARROW → 2190 ← leftwards arrow	PS style name is 'a2'
3034	→	<u>2B62</u>		RIGHTWARDS TRIANGLE-HEADED ARROW → 279D → triangle-headed rightwards arrow → 2192 → rightwards arrow	The name collision with 279D is the reason why this set has the 'A2' suffix
3035	↑	<u>2B61</u>		UPWARDS TRIANGLE-HEADED ARROW → 2191 ↑ upwards arrow	
3036	↓	<u>2B63</u>		DOWNWARDS TRIANGLE-HEADED ARROW → 2193 ↓ downwards arrow	
3037	↖	<u>2B66</u>		NORTH WEST TRIANGLE-HEADED ARROW → 2196 ↖ north west arrow	
3038	↗	<u>2B67</u>		NORTH EAST TRIANGLE-HEADED ARROW → 2197 ↗ north east arrow	
3039	↙	<u>2B69</u>		SOUTH WEST TRIANGLE-HEADED ARROW → 2199 ↙ south west arrow	
3040	↘	<u>2B68</u>		SOUTH EAST TRIANGLE-HEADED ARROW → 2198 ↘ south east arrow	



### Triangle-headed arrows to bar

ID	glyph	UCS	glyph	Name	Comments
3041	⇐	<u>2B70</u>		LEFTWARDS TRIANGLE-HEADED ARROW TO BAR = left tab → 21E4 ⇐ leftwards arrow to bar	PS style name is 'a2'
3042	⇒	<u>2B72</u>		RIGHTWARDS TRIANGLE-HEADED ARROW TO BAR = right tab → 21E5 ⇒ rightwards arrow to bar	
3043	⇑	<u>2B71</u>		UPWARDS TRIANGLE-HEADED ARROW TO BAR = up tab → 2912 ⇑ upwards arrow to bar	
3044	⇓	<u>2B73</u>		DOWNWARDS TRIANGLE-HEADED ARROW TO BAR = down tab → 2913 ⇓ downwards arrow to bar	
3045	⇚	<u>2B76</u>		NORTH WEST TRIANGLE-HEADED ARROW TO BAR = home	
3046	⇛	<u>2B78</u>		SOUTH EAST TRIANGLE-HEADED ARROW TO BAR = end	





### Triangle-headed arrows with double horizontal stroke

ID	glyph	UCS	glyph	Name	Comments
3047	⇕	<u>2B7B</u>		UPWARDS TRIANGLE-HEADED ARROW WITH DOUBLE HORIZONTAL STROKE = page up	PS style name is 'a2'
3048	⇓	<u>2B7D</u>		DOWNWARDS TRIANGLE-HEADED ARROW WITH DOUBLE HORIZONTAL STROKE = page down	


## Simple triangle-headed arrows

ID	glyph	UCS	glyph	Name	Comments
3049		<u>2B64</u>		LEFT RIGHT TRIANGLE-HEADED ARROW → 2194 ⇌ left right arrow	PS style name is 'a2'
3050		<u>2B65</u>		UP DOWN TRIANGLE-HEADED ARROW → 2195 ⇕ up down arrow	Not exactly same, could need a new name for whole set









## Triangle-headed dashed arrows

ID	glyph	UCS	glyph	Name	Comments
3051		<u>2B6A</u>		LEFTWARDS TRIANGLE-HEADED DASHED ARROW → 21E0 ⇐ leftwards dashed arrow	
3052		<u>2B6C</u>		RIGHTWARDS TRIANGLE-HEADED DASHED ARROW → 21E2 ⇐ rightwards dashed arrow	
3053		<u>2B6B</u>		UPWARDS TRIANGLE-HEADED DASHED ARROW → 21E1 ⇕ upwards dashed arrow	
3054		<u>2B6D</u>		DOWNWARDS TRIANGLE-HEADED DASHED ARROW → 21E3 ⇕ downwards dashed arrow	





## Triangle-headed zigzag arrow

ID	glyph	UCS	glyph	Name	Comments
3055		<u>2B4D</u>		DOWNWARDS TRIANGLE-HEADED ZIGZAG ARROW → 21AF ⇓ downwards zigzag arrow	PS style name is 'a2'









## Triangle-headed arrows with bent tips

ID	glyph	UCS	glyph	Name	Comments
3056		<u>2BA0</u>		DOWNWARDS TRIANGLE-HEADED ARROW WITH LONG TIP LEFTWARDS → 21B2 ⇓ downwards arrow with tip leftwards	PS style name is 'a2' and corner term is used
3057		<u>2BA1</u>		DOWNWARDS TRIANGLE-HEADED ARROW WITH LONG TIP RIGHTWARDS → 21B3 ⇓ downwards arrow with tip rightwards	
3058		<u>2BA2</u>		UPWARDS TRIANGLE-HEADED ARROW WITH LONG TIP LEFTWARDS → 21B0 ⇕ upwards arrow with tip leftwards	
3059		<u>2BA3</u>		UPWARDS TRIANGLE-HEADED ARROW WITH LONG TIP RIGHTWARDS → 21B1 ⇕ upwards arrow with tip rightwards	
3060		<u>2BA4</u>		LEFTWARDS TRIANGLE-HEADED ARROW WITH LONG TIP UPWARDS → 2B11 ⇐ leftwards arrow with tip upwards	These 4 could also use the 'corner' naming convention instead of short/long 'tip'
3061		<u>2BA5</u>		RIGHTWARDS TRIANGLE-HEADED ARROW WITH LONG TIP UPWARDS → 2B0F ⇐ rightwards arrow with tip upwards	
3062		<u>2BA6</u>		LEFTWARDS TRIANGLE-HEADED ARROW WITH LONG TIP DOWNWARDS → 2B10 ⇐ leftwards arrow with tip downwards	
3063		<u>2BA7</u>		RIGHTWARDS TRIANGLE-HEADED ARROW WITH LONG TIP DOWNWARDS → 2B0E ⇐ rightwards arrow with tip downwards	







## Keyboard symbols

ID	glyph	UCS	glyph	Name	Comments
3064		<u>2B90</u>		RETURN LEFT → 23CE ↵ return symbol	PS style name is 'a2'
3065		<u>2B91</u>		RETURN RIGHT	
3066		<u>2B92</u>		NEWLINE LEFT	
3067		<u>2B93</u>		NEWLINE RIGHT	













## Paired triangle-headed arrows

ID	glyph	UCS	glyph	Name	Comments
3068		<u>2B80</u>		LEFTWARDS TRIANGLE-HEADED ARROW OVER RIGHTWARDS TRIANGLE-HEADED ARROW → 21C6 ⇄ leftwards arrow over rightwards arrow	PS style name is 'a2'
3069		<u>2B83</u>		DOWNWARDS TRIANGLE-HEADED ARROW LEFTWARDS OF UPWARDS TRIANGLE-HEADED ARROW → 21C6 ⇄ leftwards arrow over rightwards arrow	
3070		<u>2B7E</u>		HORIZONTAL TAB KEY	Represent normal and shifted tab actions
3071		<u>2B7F</u>		VERTICAL TAB KEY	
3072		<u>2B84</u>		LEFTWARDS TRIANGLE-HEADED PAIRED ARROWS → 21C7 ⇆ leftwards paired arrows	
3073		<u>2B86</u>		RIGHTWARDS TRIANGLE-HEADED PAIRED ARROWS → 21C9 ⇆ rightwards paired arrows	
3074		<u>2B85</u>		UPWARDS TRIANGLE-HEADED PAIRED ARROWS → 21C8 ⇆ upwards paired arrows	
3075		<u>2B87</u>		DOWNTWARDS TRIANGLE-HEADED PAIRED ARROWS → 21CA ⇆ downwards paired arrows	













## Circled triangle-headed arrows

ID	glyph	UCS	glyph	Name	Comments
3076		<u>2B8F</u>		ANTICLOCKWISE TRIANGLE-HEADED TOP U-SHAPED ARROW → 21B6 ↶ anticlockwise top semicircle arrow	PS style name is 'a2'
3077		<u>2B8D</u>		ANTICLOCKWISE TRIANGLE-HEADED BOTTOM U-SHAPED ARROW	
3078		<u>2B8E</u>		ANTICLOCKWISE TRIANGLE-HEADED LEFT U-SHAPED ARROW	
3079		<u>2B8C</u>		ANTICLOCKWISE TRIANGLE-HEADED RIGHT U-SHAPED ARROW	
3080		<u>2B6E</u>		CLOCKWISE TRIANGLE-HEADED OPEN CIRCLE ARROW → 21BB ↷ clockwise open circle arrow	
3081		<u>2B6F</u>		ANTICLOCKWISE TRIANGLE-HEADED OPEN CIRCLE ARROW → 21BA ↶ anticlockwise open circle arrow	

## Keyboard symbols

ID	glyph	UCS	glyph	Name	Comments
3082		238B		BROKEN CIRCLE WITH NORTHWEST ARROW = escape key	UCS glyph was changed
3083		2324		UP ARROWHEAD BETWEEN TWO HORIZONTAL BARS = enter key	UCS glyph was changed
3084		2303		UP ARROWHEAD	UCS glyph was changed
3085		2325		OPTION KEY	Glyph change?
3086		2423		OPEN BOX * graphic for space	Glyph change?
3087		237D		SHOULDERED OPEN BOX * keyboard symbol for No Break Space	Glyph change?
3088		21EA		UPWARDS WHITE ARROW FROM BAR = caps lock * may also be a shift lock	
3089		<u>2BB8</u>		UPWARDS WHITE RECTANGULAR ARROW FROM BAR WITH HORIZONTAL BAR = caps lock → 21EC ⇧ upwards white arrow on pedestal with horizontal bar	21EC is also caps lock

## Shaded white arrows









ID	glyph	UCS	glyph	Name	Comments
3090		<u>1F8A0</u>		LEFTWARDS BOTTOM-SHADED WHITE ARROW	
3091		<u>1F8A1</u>		RIGHTWARDS BOTTOM SHADED WHITE ARROW	
3092		<u>1F8A2</u>		LEFTWARDS TOP SHADED WHITE ARROW	
3093		<u>1F8A3</u>		RIGHTWARDS TOP SHADED WHITE ARROW	
3094		<u>1F8A4</u>		LEFTWARDS LEFT-SHADED WHITE ARROW	
3095		<u>1F8A5</u>		RIGHTWARDS RIGHT-SHADED WHITE ARROW → 27A9 ⇨ right-shaded white rightwards arrow	
3096		<u>1F8A6</u>		LEFTWARDS RIGHT-SHADED WHITE ARROW	
3097		<u>1F8A7</u>		RIGHTWARDS LEFT-SHADED WHITE ARROW → 27AA ⇦ left-shaded white rightwards arrow	Glyph different
3098		<u>1F8A8</u>		LEFTWARDS BACK-TILTED SHADOWED WHITE ARROW	
3099		<u>1F8A9</u>		RIGHTWARDS BACK-TILTED SHADOWED WHITE ARROW → 27AB ⇧ back-tilted shadowed white rightwards arrow	Glyph different
3100		<u>1F8AA</u>		LEFTWARDS FRONT-TILTED SHADOWED WHITE ARROW	
3101		<u>1F8AB</u>		RIGHTWARDS FRONT-TILTED SHADOWED WHITE ARROW → 27AC ⇨ front-tilted shadowed white rightwards arrow	Glyph different

## Sans-serif arrows





ID	glyph	UCS	glyph	Name	Comments
3102	←	<u>1F850</u>		LEFTWARDS SANS-SERIF ARROW → 2190 ← leftwards arrow	PS style name is 'b2'
3103	→	<u>1F852</u>		RIGHTWARDS SANS-SERIF ARROW → 2192 → rightwards arrow	
3104	↑	<u>1F851</u>		UPWARDS SANS-SERIF ARROW → 2191 ↑ upwards arrow	
3105	↓	<u>1F853</u>		DOWNWARDS SANS-SERIF ARROW → 2193 ↓ downwards arrow	
3106	↖	<u>1F854</u>		NORTH WEST SANS-SERIF ARROW → 2196 ↖ north west arrow	
3107	↗	<u>1F855</u>		NORTH EAST SANS-SERIF ARROW → 2197 ↗ north east arrow	
3108	↙	<u>1F857</u>		SOUTH WEST SANS-SERIF ARROW → 2199 ↙ south west arrow	
3109	↘	<u>1F856</u>		SOUTH EAST SANS-SERIF ARROW → 2198 ↘ south east arrow	
3110	↔	<u>1F858</u>		LEFT RIGHT SANS-SERIF ARROW → 2194 ↔ left right arrow	
3111	↕	<u>1F859</u>		UP DOWN SANS-SERIF ARROW → 2195 ↕ up down arrow	

## Triangles





ID	glyph	UCS	glyph	Name	Comments
3112	▲	25B2	▲	BLACK UP-POINTING TRIANGLE	
3113	▼	25BC	▼	BLACK DOWN-POINTING TRIANGLE	
3114	△	25B3	△	WHITE UP-POINTING TRIANGLE	
3115	▽	25BD	▽	WHITE DOWN-POINTING TRIANGLE	
3116	◀	25C0	◀	BLACK LEFT-POINTING TRIANGLE	
3117	▶	25B6	▶	BLACK RIGHT-POINTING TRIANGLE	
3118	◁	25C1	◁	WHITE LEFT-POINTING TRIANGLE	
3119	▷	25B7	▷	WHITE RIGHT-POINTING TRIANGLE	
3120	◤	25E3	◤	BLACK LOWER LEFT TRIANGLE	Triangles with 90, 45, 45 angles
3121	◥	25E2	◥	BLACK LOWER RIGHT TRIANGLE	

ID	glyph	UCS	glyph	Name	Comments
3122		25E4		BLACK UPPER LEFT TRIANGLE	
3123		25E5		BLACK UPPER RIGHT TRIANGLE	
3124		<u>1F780</u>		BLACK LEFT-POINTING ISOSCELES RIGHT TRIANGLE	See w-0051..0054
3125		<u>1F782</u>		BLACK RIGHT-POINTING ISOSCELES RIGHT TRIANGLE	
3126		<u>1F781</u>		BLACK UP-POINTING ISOSCELES RIGHT TRIANGLE	
3128		<u>1F783</u>		BLACK DOWN-POINTING ISOSCELES RIGHT TRIANGLE	





### Geometric shapes centered

ID	glyph	UCS	glyph	Name	Comments
3129		<u>2BC5</u>		BLACK MEDIUM UP-POINTING TRIANGLE CENTRED	See w-2190..2197
3130		<u>2BC6</u>		BLACK MEDIUM DOWN-POINTING TRIANGLE CENTRED	
3131		<u>2BC7</u>		BLACK MEDIUM LEFT-POINTING TRIANGLE CENTRED	
3132		<u>2BC8</u>		BLACK MEDIUM RIGHT-POINTING TRIANGLE CENTRED	

### Arrowheads

ID	glyph	UCS	glyph	Name	Comments
3133		<u>2B9C</u>		BLACK LEFTWARDS EQUILATERAL ARROWHEAD	
3134		<u>2B9E</u>		BLACK RIGHTWARDS EQUILATERAL ARROWHEAD → 27A4 ► black rightwards arrowhead	Glyph different
3135		<u>2B9D</u>		BLACK UPWARDS EQUILATERAL ARROWHEAD	
3136		<u>2B9F</u>		BLACK DOWNWARDS EQUILATERAL ARROWHEAD	

### Simple arrows various styles

ID	glyph	UCS	glyph	Name	Comments
3137		<u>1F810</u>		LEFTWARDS ARROW WITH SMALL EQUILATERAL ARROWHEAD	PS style name is 'c1'
3138		<u>1F812</u>		RIGHTWARDS ARROW WITH SMALL EQUILATERAL ARROWHEAD	
3139		<u>1F811</u>		UPWARDS ARROW WITH SMALL EQUILATERAL ARROWHEAD	
3140		<u>1F813</u>		DOWNWARDS ARROW WITH SMALL EQUILATERAL ARROWHEAD	

ID	glyph	UCS	glyph	Name	Comments
3141	←	<u>1F814</u>		LEFTWARDS ARROW WITH EQUILATERAL ARROWHEAD	PS style name is 'c2'
3142	→	<u>1F816</u>		RIGHTWARDS ARROW WITH EQUILATERAL ARROWHEAD	
3143	↑	<u>1F815</u>		UPWARDS ARROW WITH EQUILATERAL ARROWHEAD	
3144	↓	<u>1F817</u>		DOWNWARDS ARROW WITH EQUILATERAL ARROWHEAD	
3145	←	<u>1F818</u>		HEAVY LEFTWARDS ARROW WITH EQUILATERAL ARROWHEAD	PS style name is 'c3'
3146	→	<u>1F81A</u>		HEAVY RIGHTWARDS ARROW WITH EQUILATERAL ARROWHEAD	
3147	↑	<u>1F819</u>		HEAVY UPWARDS ARROW WITH EQUILATERAL ARROWHEAD	
3148	↓	<u>1F81B</u>		HEAVY DOWNWARDS ARROW WITH EQUILATERAL ARROWHEAD	
3149	←	<u>1F81C</u>		HEAVY LEFTWARDS ARROW WITH LARGE EQUILATERAL ARROWHEAD	PS style name is 'c4'
3150	→	<u>1F81E</u>		HEAVY RIGHTWARDS ARROW WITH LARGE EQUILATERAL ARROWHEAD	
3151	↑	<u>1F81D</u>		HEAVY UPWARDS ARROW WITH LARGE EQUILATERAL ARROWHEAD	
3152	↓	<u>1F81F</u>		HEAVY DOWNWARDS ARROW WITH LARGE EQUILATERAL ARROWHEAD	
3153	←	<u>1F800</u>		LEFTWARDS ARROW WITH SMALL TRIANGLE ARROWHEAD	PS style name is 'a1', see w-3033..
3154	→	<u>1F802</u>		RIGHTWARDS ARROW WITH SMALL TRIANGLE ARROWHEAD	
3155	↑	<u>1F801</u>		UPWARDS ARROW WITH SMALL TRIANGLE ARROWHEAD	
3156	↓	<u>1F803</u>		DOWNWARDS ARROW WITH SMALL TRIANGLE ARROWHEAD	
3157	←	<u>1F804</u>		LEFTWARDS ARROW WITH MEDIUM TRIANGLE ARROWHEAD	PS style name is 'a3'
3158	→	<u>1F806</u>		RIGHTWARDS ARROW WITH MEDIUM TRIANGLE ARROWHEAD	
3159	↑	<u>1F805</u>		UPWARDS ARROW WITH MEDIUM TRIANGLE ARROWHEAD	
3160	↓	<u>1F807</u>		DOWNWARDS ARROW WITH MEDIUM TRIANGLE ARROWHEAD	
3161	←	<u>1F808</u>		LEFTWARDS ARROW WITH LARGE TRIANGLE ARROWHEAD	PS style name is 'a4'
3162	→	<u>1F80A</u>		RIGHTWARDS ARROW WITH LARGE TRIANGLE ARROWHEAD	
3163	↑	<u>1F809</u>		UPWARDS ARROW WITH LARGE TRIANGLE ARROWHEAD	
3164	↓	<u>1F80B</u>		DOWNWARDS ARROW WITH LARGE TRIANGLE ARROWHEAD	



ID	glyph	UCS	glyph	Name	Comments
3165	←	<u>1F820</u>		LEFTWARDS TRIANGLE-HEADED ARROW WITH NARROW SHAFT	PS style name is 'd1'
3166	→	<u>1F822</u>		RIGHTWARDS TRIANGLE-HEADED ARROW WITH NARROW SHAFT	
3167	←	<u>1F824</u>		LEFTWARDS TRIANGLE-HEADED ARROW WITH MEDIUM SHAFT	PS style name is 'e3'
3168	→	<u>1F826</u>		RIGHTWARDS TRIANGLE-HEADED ARROW WITH MEDIUM SHAFT	
3169	←	<u>1F828</u>		LEFTWARDS TRIANGLE-HEADED ARROW WITH BOLD SHAFT	PS style name is 'f4'
3170	→	<u>1F82A</u>		RIGHTWARDS TRIANGLE-HEADED ARROW WITH BOLD SHAFT	
3171	←	<u>1F82C</u>		LEFTWARDS TRIANGLE-HEADED ARROW WITH HEAVY SHAFT	PS style name is 'g5'





### Heavy arrow shaft

ID	glyph	UCS	glyph	Name	Comments
3172	■	<u>1F89C</u>		HEAVY ARROW SHAFT WIDTH ONE	PS style name is 'g5', to be used in conjunction with 'g5' arrows
3173	■	<u>1F89D</u>		HEAVY ARROW SHAFT WIDTH TWO THIRDS	2/3 width of w-3172
3174	■	<u>1F89E</u>		HEAVY ARROW SHAFT WIDTH ONE HALF	1/2 width of w-3172
3175	■	<u>1F89F</u>		HEAVY ARROW SHAFT WIDTH ONE THIRD	1/3 width of w-3172













### Simple arrows various styles

ID	glyph	UCS	glyph	Name	Comments
3176	➡	<u>1F82E</u>		RIGHTWARDS TRIANGLE-HEADED ARROW WITH HEAVY SHAFT	PS style name is 'g5'
3177	➡	<u>1F830</u>		LEFTWARDS TRIANGLE-HEADED ARROW WITH VERY HEAVY SHAFT	PS style name is 'h6'
3178	➡	<u>1F832</u>		RIGHTWARDS TRIANGLE-HEADED ARROW WITH VERY HEAVY SHAFT	
3179	➡	<u>1F834</u>		LEFTWARDS FINGER-POST ARROW	PS style name is 'i8'
3180	➡	<u>1F836</u>		RIGHTWARDS FINGER-POST ARROW	
3181	➡	<u>1F838</u>		LEFTWARDS SQUARED ARROW	PS style name is 'j6'
3182	➡	<u>1F83A</u>		RIGHTWARDS SQUARED ARROW	
3183	➡	<u>1F839</u>		UPWARDS SQUARED ARROW	
3184	➡	<u>1F83B</u>		DOWNWARDS SQUARED ARROW	




## Notched simple arrows






ID	glyph	UCS	glyph	Name	Comments
3185		<u>1F898</u>		LEFTWARDS ARROW WITH NOTCHED TAIL	PS style name is 'k6'
3186		<u>1F89A</u>		RIGHTWARDS ARROW WITH NOTCHED TAIL → 27AF ⇨ notched lower right-shadowed white rightwards arrow	
3187		<u>1F899</u>		UPWARDS ARROW WITH NOTCHED TAIL	
3188		<u>1F89B</u>		DOWNWARDS ARROW WITH NOTCHED TAIL	

## Simple arrows various styles


















ID	glyph	UCS	glyph	Name	Comments
3189		<u>1F83C</u>		LEFTWARDS COMPRESSED ARROW	PS style name is 'l7'
3190		<u>1F83E</u>		RIGHTWARDS COMPRESSED ARROW	
3191		<u>1F83D</u>		UPWARDS COMPRESSED ARROW	
3192		<u>1F83F</u>		DOWNWARDS COMPRESSED ARROW	
3193		<u>1F840</u>		LEFTWARDS HEAVY COMPRESSED ARROW	PS style name is 'm9'
3194		<u>1F842</u>		RIGHTWARDS HEAVY COMPRESSED ARROW → 27A7 ⇨ squat black rightwards arrow	Different size
3195		<u>1F841</u>		UPWARDS HEAVY COMPRESSED ARROW	
3196		<u>1F843</u>		DOWNWARDS HEAVY COMPRESSED ARROW	
3197		<u>1F844</u>		LEFTWARDS HEAVY ARROW	PS style name is 'n7'
3198		<u>1F846</u>		RIGHTWARDS HEAVY ARROW	
3199		<u>1F845</u>		UPWARDS HEAVY ARROW	
3200		<u>1F847</u>		DOWNWARDS HEAVY ARROW	

## Black curved arrows

ID	glyph	UCS	glyph	Name	Comments
3201		<u>2BA8</u>		BLACK CURVED DOWNWARDS AND LEFTWARDS ARROW	
3202		<u>2BA9</u>		BLACK CURVED DOWNWARDS AND RIGHTWARDS ARROW → 27A5 ⇨ heavy black curved downwards and rightwards arrow	
3203		<u>2BAA</u>		BLACK CURVED UPWARDS AND LEFTWARDS ARROW	









ID	glyph	UCS	glyph	Name	Comments
3204		<u>2BAB</u>		BLACK CURVED UPWARDS AND RIGHTWARDS ARROW → 27A6 ➤ heavy black curved upwards and rightwards arrow	
3205		<u>2BAC</u>		BLACK CURVED LEFTWARDS AND UPWARDS ARROW	
3206		<u>2BAD</u>		BLACK CURVED RIGHTWARDS AND UPWARDS ARROW	
3207		<u>2BAE</u>		BLACK CURVED LEFTWARDS AND DOWNWARDS ARROW	
3208		<u>2BAF</u>		BLACK CURVED RIGHTWARDS AND DOWNWARDS ARROW	

### Wide-headed simple arrows various styles

ID	glyph	UCS	glyph	Name	Comments
3209		<u>1F860</u>		WIDE-HEADED LEFTWARDS LIGHT BARB ARROW	PS style name is 'barb1'
3210		<u>1F862</u>		WIDE-HEADED RIGHTWARDS LIGHT BARB ARROW	
3211		<u>1F861</u>		WIDE-HEADED UPWARDS LIGHT BARB ARROW	
3212		<u>1F863</u>		WIDE-HEADED DOWNWARDS LIGHT BARB ARROW	
3213		<u>1F864</u>		WIDE-HEADED NORTH WEST LIGHT BARB ARROW	
3214		<u>1F865</u>		WIDE-HEADED NORTH EAST LIGHT BARB ARROW	
3215		<u>1F867</u>		WIDE-HEADED SOUTH WEST LIGHT BARB ARROW	
3216		<u>1F866</u>		WIDE-HEADED SOUTH EAST LIGHT BARB ARROW	
3217		<u>1F870</u>		WIDE-HEADED LEFTWARDS MEDIUM BARB ARROW	PS style name is 'barb3'
3218		<u>1F872</u>		WIDE-HEADED RIGHTWARDS MEDIUM BARB ARROW → 2794 ➤ heavy wide-headed rightwards arrow	
3219		<u>1F871</u>		WIDE-HEADED UPWARDS MEDIUM BARB ARROW	
3220		<u>1F873</u>		WIDE-HEADED DOWNWARDS MEDIUM BARB ARROW	
3221		<u>1F874</u>		WIDE-HEADED NORTH WEST MEDIUM BARB ARROW	
3222		<u>1F875</u>		WIDE-HEADED NORTH EAST MEDIUM BARB ARROW	
3223		<u>1F877</u>		WIDE-HEADED SOUTH WEST MEDIUM BARB ARROW	
3224		<u>1F876</u>		WIDE-HEADED SOUTH EAST MEDIUM BARB ARROW	
3225		<u>1F880</u>		WIDE-HEADED LEFTWARDS VERY HEAVY BARB ARROW	PS style name is 'barb5'

ID	glyph	UCS	glyph	Name	Comments
3226		<u>1F882</u>		WIDE-HEADED RIGHTWARDS VERY HEAVY BARB ARROW	
3227		<u>1F881</u>		WIDE-HEADED UPWARDS VERY HEAVY BARB ARROW	
3228		<u>1F883</u>		WIDE-HEADED DOWNWARDS VERY HEAVY BARB ARROW	
3229		<u>1F884</u>		WIDE-HEADED NORTH WEST VERY HEAVY BARB ARROW	
3230		<u>1F885</u>		WIDE-HEADED NORTH EAST VERY HEAVY BARB ARROW	
3231		<u>1F887</u>		WIDE-HEADED SOUTH WEST VERY HEAVY BARB ARROW	
3232		<u>1F886</u>		WIDE-HEADED SOUTH EAST VERY HEAVY BARB ARROW	

### Arrowheads

ID	glyph	UCS	glyph	Name	Comments
3233		<u>1F890</u>		LEFTWARDS TRIANGLE ARROWHEAD = draw left	Names from PS names
3234		<u>1F892</u>		RIGHTWARDS TRIANGLE ARROWHEAD = draw right	
3235		<u>1F891</u>		UPWARDS TRIANGLE ARROWHEAD = draw up	
3236		<u>1F893</u>		DOWNWARDS TRIANGLE ARROWHEAD = draw down	
3237		<u>1F894</u>		LEFTWARDS WHITE ARROW WITHIN TRIANGLE ARROWHEAD = draw double left	
3238		<u>1F896</u>		RIGHTWARDS WHITE ARROW WITHIN TRIANGLE ARROWHEAD = draw double right	
3239		<u>1F895</u>		UPWARDS WHITE ARROW WITHIN TRIANGLE ARROWHEAD = draw double up	
3240		<u>1F897</u>		DOWNWARDS WHITE ARROW WITHIN TRIANGLE ARROWHEAD = draw double down	

## 7. Source reference

The following information provides the source reference for the Windings and Webdings symbols as currently proposed. It could be added to the standard.

```
xx.x: Source references for windings and webding symbols
      (normative)
1st field: UCS code point
2nd field: first reference
3rd field: 2nd reference (optional)
#
# This file provides mappings between Unicode code points on one hand
# and Webdings and Wingdings indexes on the other hand.
# Very few code points have more than one index, but in no case more than two.
# Indexes have decimal values, going from 0033 to 0255 for Webdings,
# 1033 to 1254 for Wingdings, 2033 to 2249 for Wingdings 2, and
# 3033 to 3240 for Wingdings 3, except for 0127, 1127, 2127, and 3127.
#
# Format: Semicolon-delimited file with a fixed number of fields.
#
02022;1159      02461;2107      02605;1171      0270D;1063
0203B;2248      02462;2108      02609;2128      02713;1252
0203D;2093      02463;2109      02611;2082      02714;0097
02042;2249      02464;2110      02612;2084      0271D;2133
021E6;1239      02465;2111      0261C;1069      0271E;1086
021E7;1241      02466;2112      0261D;1071      02720;1088
021E8;1240      02467;2113      0261E;1070      02721;1089
021E9;1242      02468;2114      0262A;1090      0272A;1181
021EA;3088      02469;2115      0262F;1091      0272F;0152;2243
021F3;1244      024C5;0232      02638;1093      02730;1182
02219;1158      024EA;2105      02639;1076      02736;2235
02296;0121      024FF;2116      0263A;1074      02739;2240
02299;2157      025A0;2162      0263C;1082      02744;1084
022C5;2149      025A1;2163      0263D;2130      02751;1113
02303;3084      025A3;2168      0263E;2131      02752;1114
02316;1177      025AA;1167      02648;1094      02753;0115
02318;1122      025B2;3112      02649;1095      02756;1118
02324;3083      025B3;3114      0264A;1096      02776;2117
02325;3085      025B6;3117      0264B;1097      02777;2118
02326;1214      025B7;3119      0264C;1098      02778;2119
02327;1120      025BC;3113      0264D;1099      02779;2120
0232B;1213      025BD;3115      0264E;1100      0277A;2121
0237D;3087      025C0;3116      0264F;1101      0277B;2122
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023D0;0124      025C6;1117      02651;1103      0277D;2124
023E9;0056      025C7;2175      02652;1104      0277E;2125
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023EE;0057      025CB;2153      026AB;1108      02781;1130
023F3;1054      025CF;2152      026F3;0119      02782;1131
023F4;0051      025D6;2186      026F7;0135      02783;1132
023F5;0052      025D7;2187      02700;2038      02784;1133
023F6;0053      025E2;3121      02701;1035      02785;1134
023F7;0054      025E3;3120      02702;1034      02786;1135
023F8;0059      025E4;3122      02704;2037      02787;1136
023F9;0060      025E5;3123      02706;1041      02788;1137
023FA;0061      025FC;1110      02707;1062      02789;1138
02423;3086      025FE;2161      02708;1081      0278A;1140
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0278D;1143	02B86;3073	02BC7;3131	1F3D6;0073
0278E;1144	02B87;3075	02BC8;3132	1F3D7;0065
0278F;1145	02B88;1219	02BCA;2188	1F3D8;0066
02790;1146	02B89;1221	02BCB;2189	1F3D9;0067
02791;1147	02B8A;1220	02BCC;2246	1F3DA;0068
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02793;1149	02B8C;3079	02BCE;1178	1F3DC;0069
02981;2151	02B8D;3077	02BCF;1179	1F3DD;0074
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02B01;1245	02B92;3066	1F10C;1139	1F3F1;1080
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02B03;1247	02B94;0096	1F30E;0254	1F3F5;1123
02B04;1243	02B98;1215	1F30F;0253	1F3F6;1124
02B1B;0103	02B99;1217	1F315;2129	1F3F7;0146
02B1C;0099	02B9A;1216	1F31C;0224	1F408;0246
02B1D;1160	02B9B;1218	1F321;0225	1F415;0245
02B1F;2192	02B9C;3133	1F322;1083	1F41F;0244
02B22;2195	02B9D;3135	1F323;0213	1F426;0243
02B23;2194	02B9E;3134	1F324;0214	1F43F;0242
02B24;0110	02B9F;3136	1F325;0215	1F441;0078
02B25;2174	02BA0;3056	1F326;0216	1F442;0079
02B27;2183	02BA1;3057	1F327;0219	1F446;2074
02B29;2173	02BA2;3058	1F328;0218	1F447;2075
02B2A;2182	02BA3;3059	1F329;0220	1F448;2066
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02B58;1161	02BA5;3061	1F32B;0223	1F44D;1067
02B60;3033	02BA6;3062	1F32C;0222	1F44E;1068
02B61;3035	02BA7;3063	1F336;0044	1F453;1036
02B62;3034	02BA8;3201	1F378;0229	1F46A;0148
02B63;3036	02BA9;3202	1F37D;0228	1F47D;0133
02B64;3049	02BAA;3203	1F393;0236	1F4A3;1077
02B65;3050	02BAB;3204	1F394;0089	1F4B0;0145
02B66;3037	02BAC;3205	1F395;0090	1F4B3;0147
02B67;3038	02BAD;3206	1F396;0038	1F4BB;0191
02B68;3040	02BAE;3207	1F397;0045	1F4BF;0179
02B69;3039	02BAF;3208	1F398;0176	1F4CB;2050;0164
02B6A;3051	02BB0;1195	1F399;0177	1F4DA;0168
02B6B;3053	02BB1;1196	1F39A;0188	1F4DF;0199
02B6C;3052	02BB2;1197	1F39B;0189	1F4E4;0211
02B6D;3054	02BB3;1198	1F39C;0175	1F4E5;0210
02B6E;3080	02BB4;1199	1F39E;0180	1F4E6;0101
02B6F;3081	02BB5;1200	1F39F;0182	1F4EA;1044
02B70;3041	02BB6;1201	1F3A7;0178	1F4EB;1045
02B71;3043	02BB7;1202	1F3AC;0183	1F4EC;1046
02B72;3042	02BB8;3089	1F3AD;0174	1F4ED;1047
02B73;3044	02BB9;1121	1F3AE;0196	1F4F7;0181
02B76;3045	02BBD;2083	1F3C2;0136	1F4F9;0185
02B78;3046	02BBE;2085	1F3C4;0139	1F4FA;0190
02B7B;3047	02BBF;2086	1F3C6;0037	1F4FB;0187
02B7D;3048	02BC0;2190	1F3CA;0138	1F4FD;0184
02B7E;3070	02BC1;2191	1F3CB;0134	1F4FE;0186
02B7F;3071	02BC2;2193	1F3CC;0137	1F508;0088
02B80;3068	02BC3;2196	1F3CD;0140	1F50D;0076
02B83;3069	02BC4;2197	1F3CE;0141	1F512;0207
02B84;3072	02BC5;3129	1F3D4;0077	1F513;0208

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1F53F;1166	1F588;0235	1F5C7;2043	1F657;1207
1F546;1085	1F589;1033	1F5C8;2044	1F658;2102
1F547;2134	1F58A;2033	1F5C9;2045	1F659;2103
1F548;1087	1F58B;2034	1F5CA;2046	1F65A;2101
1F549;1092	1F58C;2035	1F5CB;2047	1F65B;2104
1F54A;0255	1F58D;2036	1F5CC;2048	1F65C;1155
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1F551;1184	1F58F;1066	1F5CE;1050	1F65E;1154
1F552;1185	1F590;1073	1F5CF;1051	1F65F;1157
1F553;1186	1F591;2078	1F5D0;1052	1F660;1151
1F554;1187	1F592;2060	1F5D1;2051	1F661;1152
1F555;1188	1F593;2061	1F5D2;0165	1F662;1150
1F556;1189	1F597;1072	1F5D3;0166	1F663;1153
1F557;1190	1F598;2062	1F5D4;2052	1F664;2098
1F558;1191	1F599;2063	1F5D5;0048	1F665;2099
1F559;1192	1F59A;2064	1F5D6;0049	1F666;2097
1F55A;1193	1F59B;2065	1F5D7;0050	1F667;2100
1F55B;1194	1F59C;2068	1F5D8;0113	1F668;2147
1F55C;2135	1F59D;2069	1F5D9;0114	1F669;2148
1F55D;2136	1F59E;2070	1F5DA;0062	1F66A;1203
1F55E;2137	1F59F;2071	1F5DC;0206	1F66B;1204
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1F566;2145	1F5A8;0202	1F5E4;0237	1F673;2092
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1F56F;1039	1F5AF;2058	1F5EB;0095	1F67B;2096
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1F572;0035	1F5B2;1057	1F5EE;0123	1F67E;0046
1F573;0212	1F5B3;1058	1F5EF;0125	1F687;0117
1F574;0109	1F5B4;1059	1F5F0;0042	1F68D;0118
1F575;0160	1F5B5;2053	1F5F1;0043	1F691;0104
1F576;0036	1F5B6;2054	1F5F2;0126	1F694;0112
1F577;0033	1F5B7;2055	1F5F3;0063	1F698;0142
1F578;0034	1F5B8;2056	1F5F4;2079	1F6AD;0122
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1F57C;0198	1F5BB;0159	1F5F7;1253	1F6BA;0129
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1F580;0201	1F5BF;0204	1F610;1075	1F6C8;0105
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1F582;1042	1F5C1;1049	1F651;1210	1F6CA;0131
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1F6E3;0075	1F7B2;2215	1F81C;3149	1F871;3219
1F6E4;0082	1F7B3;2216	1F81D;3151	1F872;3218
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1F6E9;0106	1F7B5;2218	1F81F;3152	1F874;3221
1F6EA;0241	1F7B6;2219	1F820;3165	1F875;3222
1F6F0;0107	1F7B7;2220	1F822;3166	1F876;3224
1F6F1;0102	1F7B8;2221	1F824;3167	1F877;3223
1F6F2;0116	1F7B9;2222	1F826;3168	1F878;1231
1F6F3;0084	1F7BA;2223	1F828;3169	1F879;1233
1F780;3124	1F7BB;2224	1F82A;3170	1F87A;1232
1F781;3126	1F7BC;2225	1F82C;3171	1F87B;1234
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1F785;2154	1F7C0;2229	1F834;3179	1F87F;1237
1F786;1162	1F7C1;1169	1F836;3180	1F880;3225
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1F788;1163	1F7C3;2241	1F839;3183	1F882;3226
1F789;2156	1F7C4;2231	1F83A;3182	1F883;3228
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1F792;2165	1F7CD;2244	1F843;3196	1F894;3237
1F793;2166	1F7CE;2237	1F844;3197	1F895;3239
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1F79A;2176	1F800;3153	1F853;3105	1F89C;3172
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1F79C;2179	1F802;3154	1F855;3107	1F89E;3174
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1F7AD;2210	1F817;3144	1F86C;1227	
1F7AE;2211	1F818;3145	1F86D;1228	



