

ISO/IEC JTC1/SC2/WG2
Coded Character Set
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The following document is a proposal for adding into Unicode/ISO 10646 the repertoire of four popular symbol sets which is not yet encoded, these symbols sets are:

- Webdings
- Wingdings
- Wingdings 2
- Wingdings 3

The document contains a description of these sets, referenced under the name 'Wingdings', followed by a proposal summary form (page 51-52) and UCS charts and name lists for the proposed new 640 characters (highlighted in yellow) out of a total of 867 glyphs in the 4 sets. The 223 characters already encoded (highlighted in light purple) are also shown in the same charts. Completing the repertoire are 3 duplicates and one glyph not proposed for encoding (corporate logo) for $640+223+3+1=867$.

These symbols have been used in text in major system platforms such as Microsoft Windows and Mac OS for many years. The original Windings fonts first appeared in 1992 in Windows 3.1 and have been expanded in following versions of Windows to the four fonts we know today. Wingdings and Webdings have also appeared in early version of Mac OS such as version 9 (1999) but typically as an optional install or related to some application install. However, recent versions after 10.5 (Leopard) show these 4 fonts as being part of the essential set. In total, as of today, the number of computers where these fonts are available to users and applications is in the hundreds of millions. As such, symbols from these fonts can be found in an extremely large number of documents.

Unfortunately, these symbols have been available to application through either Unicode Private Use Area (U+F020-U+F0FF) or special menu command (like Insert Symbols in Microsoft Word). This is not optimal for interchange, and it would be preferable to dedicate actual encoding values for these symbols. It would also make them searchable, and offer a migration mechanism for applications and system which want to preserve their use of these symbols while using an encoding compatible with general purpose usage. It would also

make them fully interoperable among all platforms and remove a major caveat for use in web applications. Finally, adding them would complement the work that was recently done for the Japanese ARIB set and the Emoji set.

Any proposal to encode the Webdings/Wingdings set has to address peculiarities of that set:

- Because the sets are installed and used in hundreds of millions of computing devices, unification with existing similar but slightly different glyphs is difficult. In some cases it may be possible to change the current encoded glyph. In others, when the encoded glyph has also a strong presence (such as the Dingbats collection), it is important to leave the current encoded glyph unchanged.
- The characters from the Webdings/Wingdings set do not have official name. The closest thing to identification is their Postscript name in the fonts.
- Therefore, unification based on semantic usage should be avoided.

Status

This document is an addition proposal. It separates the characters in the following categories:

- Candidates for unification with no glyph change for the already encoded character
- Candidates for unification with glyph change for the already encoded character
- Characters that are candidate for addition. The cases for inclusion may be more or less strong, depending on similarities with existing encoded characters.

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

- Webdings (w-0033..w-00255),
- Wingdings (w-1033..w-1255),
- Windings2 (w-2033-w-2255), and
- Wingdings3 (w-3033..w-3255).

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

Table format

The tables provide the ID as determined above, the original glyph as represented in the Webdings/Windings collection, UCS code point and UCS current glyph when unification is possible, character name, and comments. When the character is not unified, this means that an addition is proposed and the new UCS code point value is provisional (shown with underline), and the second glyph column is empty. In few occurrences a second UCS glyph is shown followed in the same cell by the UCS code point. Those cases typically correspond to case where the dis-unification is debatable and showing the 2 glyphs at the same large size is useful.

Source separation

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

- 1F584 (proposed) for w-0155 and w-1043,
- 272F (existing) for w-0152 and w-2243,
- 29B8 (existing) for w-0120 and w-2088.

Dis-unification between Zapf dingbats and Wingdings

There are many intersections between the two sets, where Zapf would have one element of a larger set more completely represented in Wingdings. However their shapes are typically different. It is not clear whether we should totally dis-unify those cases and re-encode the whole set part of Wingdings. The current mapping generally dis-unifies between these two groups.

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 9th 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 RECORD.
- 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.

Glyph changes

The following characters have glyphs which are close to already encoded characters which could be unified. If they were unified, it would be preferable to change the representative glyph to be (or be close to) the Wingding glyph. The preliminary glyph used to represent Emoji before encoding in Unicode/ISO 10646 is also sometimes shown because it represents a glyph which is closer to the original glyph used in phones (albeit much more detailed). The proposal is to replace the UCS glyph by the Wingdings glyph. Note that none of these glyph changes affect the Dingbat block for reasons exposed above.

UCS	UCS glyph	Wingdings ID	Wingdings glyph	Apple Emoji glyph	Name and comment
21E6*		1239			LEFTWARDS WHITE ARROW
21E7*		1241			UPWARDS WHITE ARROW
21E8*		1240			RIGHTWARDS WHITE ARROW
21E9*		1242			DOWNWARDS WHITE ARROW
21F3*		1244			UP DOWN WHITE ARROW
237D		3087			SHOULDERED OPEN BOX
23F3		1054			HOURGLASS WITH FLOWING SAND
24FF		2116			NEGATIVE CIRCLED DIGIT ZERO
2B00		1246			NORTH EAST WHITE ARROW
2B01		1245			NORTH WEST WHITE ARROW
2B02		1248			SOUTH EAST WHITE ARROW
2B03		1247			SOUTH WEST WHITE ARROW
2B04		1243			LEFT RIGHT WHITE ARROW
1F393		0236			GRADUATION CAP
1F3AC		0183			CLAPPER BOARD, details in UCS glyphs are too small

UCS	UCS glyph	Wingdings ID	Wingdings glyph	Apple Emoji glyph	Name and comment
1F3AD		0174			PERFORMING ARTS, original glyph Emoji forms closer to Wingdings glyph
1F3C2		0136			SNOWBOARDER
1F3C4		0139			SURFER, original Emoji very fuzzy
1F3C6		0037			TROPHY
1F4B3		0147			CREDIT CARD, both designs are OK, Wingdings has more usage
1F4DF		0199			PAGER, current glyph looks like an old radio
1F4EA		1044			CLOSED MAILBOX WITH LOWERED FLAG, preliminary font incorrect
1F4EB		1045			CLOSED MAILBOX WITH RAISED FLAG
1F4EC		1046			OPEN MAILBOX WITH RAISED FLAG, not an Emoji character
1F4ED		1047			OPEN MAILBOX WITH LOWERED FLAG, not an Emoji character
1F4F9		0185			VIDEO CAMERA, Wingdings glyph shows a professional model
1F4FB		0187			RADIO, from original Emoji, no indication that the glyph should be that old fashioned
1F507					SPEAKER WITH CANCELLATION STROKE, need to be resized, see 1F508
1F508		0088			SPEAKER, current glyph is too small, size needs to be increased for all in range 1F507-1F50A for consistency
1F509					SPEAKER WITH ONE SOUND WAVE
1F50A					SPEAKER WITH THREE SOUND WAVES
1F6AD		0122			NO SMOKING SYMBOL

Note 1: New glyphs for 21E6, 21E7, 21E8, 21E9, and 21F3 are part of the charts for FCD 10646 3rd edition. The table above shows the prior shapes of these glyphs. The 3rd edition charts increase the discrepancy among white arrows between the 21xx and the 2Bxx block. The glyph changes suggested in this document harmonizes the white arrows used in these two blocks. Because of chart production limitation, the glyphs shown for these characters in the charts and name lists at the end of this document are the same as the FCD 10646 3rd edition.

Note 2: These new glyphs are not used in the charts and name lists which appeared at the end of this document. If approved, they would be used in a revision of this proposal..

Geometric shapes Arrows

These sets contain a large number of arrow styles. These have been classified as following (style name is the Postscript glyph name, glyph ID as documented above):

Style name	Glyph ID	glyph
A1	3153	←
A2	3033	←
A3	3157	←
A4	3161	←
B2	3102	←
Barb1	3209	←
Barb2	1223	←
Barb3	3217	←
Barb4	1231	←
Barb5	3225	←
C1	3137	←
C2	3141	←
C3	3145	←

Style name	Glyph ID	glyph
C4	3149	←
D1	3165	←
E3	3167	←
F4	3169	←
G5	3171	←
H6	3177	←
I8	3179	←
J6	3181	←
K6	3185	←
L7	3189	←
M9	3193	←
N7	3197	←

The literal part of the Style name indicates style (A to N and Barb); the numeral part indicates the thickness of the arrow. This naming convention is sometimes used as suffix in the proposed character names. These style names are documented in relevant parts of the following tables.









Acknowledgements

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



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Webdings






Miscellaneous symbols

ID	glyph	UCS	glyph	Name	Comments
0033		<u>1F570</u>		SPIDER	
0034		<u>1F571</u>		SPIDER WEB	
0035		<u>1F3F3</u>		NO PIRACY	
0036		<u>1F3F1</u>		DARK SUNGLASSES = cool	See also w-1036
0037		<u>1F3C6</u>		TROPHY Variant → 1F3C6 ☞ trophy	Best solution to change 1F3C6 glyph?
0038		<u>1F3F4</u>		MEDAL = award	
0039		<u>1F5D7</u>		LINKED PAPERCLIPS = links → 1F4CE ☞ paperclip	






Bubble symbols

ID	glyph	UCS	glyph	Name	Comments
0040		<u>1F59D</u>		LEFT SPEECH BUBBLE	
0041		<u>1F59E</u>		RIGHT SPEECH BUBBLE	
0042		<u>1F59F</u>		MOOD BUBBLE = new → 1F4A5 ☘ collision symbol	
0043		<u>1F5A0</u>		LIGHTNING MOOD BUBBLE = updated → 26A1 ⚡ high voltage	

Miscellaneous symbols



ID	glyph	UCS	glyph	Name	Comments
0044		<u>1F336</u>		HOT PEPPER = hot	
0045		<u>1F3F5</u>		REMINDER RIBBON	
0046		259E		QUADRANT UPPER RIGHT AND LOWER LEFT =checker board	259E is smaller
0047		<u>2BBE</u>		VERY HEAVY SOLIDUS	

User Interface symbols








ID	glyph	UCS	glyph	Name	Comments
0048		<u>1F5EC</u>		MINIMIZE	
0049		<u>1F5ED</u>		MAXIMIZE	
0050		<u>1F5EE</u>		OVERLAP = tile windows	
0051		<u>23F4</u>	 25C0	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.





ID	glyph	UCS	glyph	Name	Comments
0052	▶	<u>23F5</u>	▶ 25B6	BLACK MEDIUM RIGHT-POINTING TRIANGLE = forward * preferred to 25B6 ▶ black right-pointing triangle	Similar to above
0053	▲	<u>23F6</u>	▲ 25B2	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>	▼ 25BC	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	Smaller glyph
0056	▶▶	23E9	▶▶	BLACK RIGHT-POINTING DOUBLE TRIANGLE = fast forward	Smaller glyph
0057	◀◀	23EE	◀◀	BLACK LEFT-POINTING DOUBLE TRIANGLE WITH VERTICAL BAR = begin	Smaller glyph
0058	▶▶	23ED	▶▶	BLACK RIGHT-POINTING DOUBLE TRIANGLE WITH VERTICAL BAR = end	Smaller glyph
0059		<u>23F8</u>		DOUBLE VERTICAL BAR = pause	
0060	■	<u>23F9</u>	■	BLACK SQUARE FOR STOP = stop → 25FC ■ black medium square	25A0 is too big, 25FC is too small
0061	●	<u>23FA</u>	●	BLACK CIRCLE FOR RECORD = record → 26AB ● medium black circle	Remove record annotation for 26AB
0062	AA	<u>1F5EF</u>		FONT SIZE SIGN	

Miscellaneous symbols



ID	glyph	UCS	glyph	Name	Comments
0063		<u>1F5F4</u>		BALLOT BOX WITH BALLOT = vote → 2612 ☑ ballot box with x	
0064		<u>1F3F6</u>		CROSSED TOOLS = tools, repair facility → 2692 ⚒ hammer and pick	

Building and map symbols


ID	glyph	UCS	glyph	Name	Comments
0065		<u>1F3D0</u>		BUILDING CONSTRUCTION SIGN = under construction → 1F6A7 🚧 construction sign	
0066		<u>1F3D1</u>		WHITE HOUSES WITH TERRAIN = town → 1F3E1 🏡 house with garden	
0067		<u>1F3D2</u>		CITYSCAPE = skyline, city → 1F306 🌃 cityscape at dusk	
0068		<u>1F3D3</u>		CONDEMNED HOUSE WITH TERRAIN = derelict site → 1F3E0 🏠 house building	
0069		<u>1F3D4</u>		DESERT TERRAIN = desert → 1F335 🌵 cactus	
0070		<u>1F3D5</u>		FACTORY WITH TERRAIN = factory → 1F3ED 🏭 factory	
0071		<u>1F3D6</u>		CLASSICAL FACADE WITH TERRAIN = public building	

ID	glyph	UCS	glyph	Name	Comments
0072		<u>1F3D7</u>		SINGLE HOUSE WITH TERRAIN = home → 1F3E1 🏡 house with garden	
0073		<u>1F3D8</u>		BEACH WITH UMBRELLA = beach → 26F1 ☂️ umbrella on ground	
0074		<u>1F3D9</u>		DESERT ISLAND = island → 1F334 🌴 palm tree	
0075		<u>1F3DA</u>		HIGHWAY WITH BILLBOARD = motorway	




User Interface symbol

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






Map symbol

ID	glyph	UCS	glyph	Name	Comments
0077		<u>1F3DB</u>		MOUNTAIN OR VOLCANO = mountain → 1F30B 🌋 volcano → 1F5FB 🗻 mount fuji → 26F0 ⚔️ mountain	



Facial parts symbols

ID	glyph	UCS	glyph	Name	Comments
0078		<u>1F441</u>		EYE = sight → 1F440 👁️ eyes	Should be encoded at 1F441
0079		<u>1F442</u>		EAR = hearing	




Building and map symbols

ID	glyph	UCS	glyph	Name	Comments
0080		<u>1F3DC</u>		TRAIL = park → 1F332 🌲 evergreen tree	
0081		<u>1F3DD</u>		CAMPING → 26FA 🏕️ tent	
0082		<u>1F3DE</u>		TRAIN TRACKS WITH TERRAIN = railroad	
0083		<u>1F3DF</u>		SPORTS ARENA WITH TERRAIN = stadium	
0084		<u>1F6C6</u>		SHIP AND OCEAN = ship = cruise line vacation → 1F6A2 🚢 ship	




Communication symbols

ID	glyph	UCS	glyph	Name	Comments
0085		<u>1F57B</u>		BULLHORN WITH SOUND WAVES = sound on → 1F4E3 📣 cheering megaphone → 1F50A 🗣️ speaker with three sound waves	
0086		<u>1F57A</u>		BULLHORN = sound off → 1F508 🗣️ speaker	


Communication symbols

ID	glyph	UCS	glyph	Name	Comments
0087		<u>1F57C</u>		RIGHT SPEAKER = sound left	
0088		1F508		SPEAKER = sound right	1F508 glyph too small, add annotation to 1F508 as left speaker


Celebration symbols

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




Bubble symbol

ID	glyph	UCS	glyph	Name	Comments
0091		<u>1F5A1</u>		LEFT THOUGHT BUBBLE	Add reference to w-0040

Miscellaneous symbol

ID	glyph	UCS	glyph	Name	Comments
0092		<u>2BBF</u>		VERY HEAVY REVERSE SOLIDUS	Add reference to w-0047

Bubble symbols

ID	glyph	UCS	glyph	Name	Comments
0093		<u>1F5A2</u>		RIGHT THOUGHT BUBBLE → 1F4AD 🗨️ thought balloon	Add reference to w-004 and 1F4AD
0094		<u>1F5A3</u>		TWO SPEECH BUBBLES = chat	
0095		<u>1F5A4</u>		THREE SPEECH BUBBLES = conference	

Miscellaneous symbols

ID	glyph	UCS	glyph	Name	Comments
0096		<u>2BA2</u>		FOUR CORNER ARROWS CIRCLING ANTICLOCKWISE = loop	
0097		2714		HEAVY CHECK MARK	Glyph is sans-serif in webdings, PS name is 'UICheck'
0098		<u>1F6C7</u>		RIGHTWARDS BICYCLE → 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		<u>1F3F7</u>		SHIELD = US road sign interstate highway	
0101		<u>1F3F8</u>		BLACK PACKAGE → 1F381 wrapped present → 1F4E6 package	
0102		<u>1F6C8</u>		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		<u>1F6C9</u>		BLACK AMBULANCE = medical → 1F691 ambulance	
0105		<u>1F6E6</u>		CIRCLED INFORMATION SOURCE = information	
0106		<u>1F6CA</u>		SMALL AIRPLANE → 2708 airplane	
0107		<u>1F6D2</u>		SATELLITE	
0108		<u>1F7E0</u>		REVERSE FOUR POINTED PINWHEEL STAR = navigate	
0109		<u>1F3F9</u>		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		<u>1F6CB</u>		MOTOR BOAT SIDEWAYS = boat → 1F6A4  speedboat	Windings glyph
0112		<u>1F6CC</u>		ONCOMING POLICE CAR 1 = police → 1F694  oncoming police car	Windings glyph has a 'western' flavour.


User Interface symbols (browsers)

ID	glyph	UCS	glyph	Name	Comments
0113		<u>1F5D8</u>		CLOCKWISE RIGHT AND LEFT SEMICIRCLE ARROWS = refresh → 1F503  clockwise downwards and upwards open circle arrows	
0114		<u>1F5D9</u>		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		<u>1F6CD</u>		DIESEL LOCOMOTIVE WITH TERRAIN = train → 1F682  steam locomotive → 1F686  train	
0117		<u>1F6CE</u>		UNDERGROUND TRAIN = metro → 1F687  metro	
0118		<u>1F6CF</u>		ONCOMING BUS Variant = bus → 1F68D  oncoming bus	Split window is old fashioned
0119		<u>1F3FA</u>		GOLF PENNANT = flag → 1F6A9  triangular flag on post	Post is slanted
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		<u>1F6AD</u>		NO SMOKING SYMBOL	Cigarette in opposite direction, change glyph?



Bubble symbol

ID	glyph	UCS	glyph	Name	Comments
0123		<u>1F5A5</u>		LEFT ANGER BUBBLE = shout left	




















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		<u>1F5A6</u>		RIGHT ANGER BUBBLE = shout right	
0126		<u>1F5A7</u>		LIGHTNING MOOD = lightning bolt → 26A1 ⚡ high voltage sign	Orientation is different

Portrait and role symbols





ID	glyph	UCS	glyph	Name	Comments
0128		<u>1F6B9</u>		MENS SYMBOL = man	
0129		<u>1F6E0</u>	 1F6BA	WOMENS WITH MID LENGTH SKIRT SYMBOL = woman → 1F6BA 👧 baby symbol	Dress is different
0130		<u>1F6E1</u>		BOYS SYMBOL = boy	
0131		<u>1F6E2</u>		GIRLS SYMBOL = girl	
0132		<u>1F6E3</u>		SWADDLED BABY SYMBOL = baby → 1F6BC 🍼 baby symbol	
0133		<u>1F3FB</u>		BLACK EXTRATERRESTRIAL ALIEN = scifi → 1F47D 👽 extraterrestrial alien	
0134		<u>1F3CC</u>		WEIGHT LIFTER = health	
0135		<u>1F3C5</u>		RIGHTWARDS SKIER DOWNHIL → 26F7 ⛷ skier	Opposite direction
0136		<u>1F3C2</u>		SNOWBOARDER Variant = hobby → 1F3C2 🏂 snowboarder	Different glyph, Webding glyph better
0137		<u>1F3CD</u>		GOLFER	
0138		<u>1F3CB</u>		RIGHTWARDS SWIMMER = pool → 1F3CA 🏊 swimmer	w-0138 glyph more realistic
0139		<u>1F3C4</u>		SURFER = surf → 1F3C4 🏄 surfer	Different glyph
0140		<u>1F3CE</u>		MOTORCYCLE RIDER = motorcycle	
0141		<u>1F3CF</u>		RACE CAR WITH RIDER = race car	

Miscellaneous symbols





























ID	glyph	UCS	glyph	Name	Comments
0142		<u>1F698</u>		ONCOMING AUTOMOBILE = auto	
0143		<u>1F3FC</u>		STOCK CHART = finance → 1F4C8 📈 chart with upwards trend	
0144		<u>1F3FD</u>		OIL DRUM = commodities	
0145		<u>1F3FE</u>		BLACK MONEY BAG = money → 1F4B0 💰 money bag	
0146		<u>1F3FF</u>		PRICE TAG = price → 1F516 📌 bookmark	
0147		<u>1F4B3</u>		CREDIT CARD	Use w-0147 glyph











ID	glyph	UCS	glyph	Name	Comments
0148		1F46A		FAMILY = rated for family	
0149		<u>1F5A8</u>		DAGGER KNIFE = rated for violence = hate → 1F52A ⇄ hocho	
0150		<u>1F5A9</u>		LIPS = rated for sex = kiss → 1F48B 🍷 kiss mark	
0151		<u>1F5AA</u>		SPEAKING HEAD SILHOUETTE = rated for strong language	
0152		272F		PINWHEEL STAR = rating quality = five pointed pinwheel star	See w-2243
0153		<u>1F585</u>		BLACK ENVELOPE WITH WHITE LIGHTNING = e-mail → 1F4E7 📧 e-mail symbol	
0154		<u>1F586</u>		FLYING ENVELOPE = send message → 1F4E9 📧 envelope with downwards arrow above	
0155		<u>1F584</u>		ENVELOPE FRONT WITH STAMP = mail	Same as w-1043
0156		<u>1F587</u>		ENVELOPE WITH STAMP AND PEN = write	
0157		<u>1F5C0</u>		DOCUMENT WITH TEXT	
0158		<u>1F5C1</u>		DOCUMENT WITH TEXT AND PICTURE	
0159		<u>1F5C2</u>		DOCUMENT WITH PICTURE = graphic document	
0160		<u>1F568</u>		SLEUTH OR SPY = investigate	
0161		<u>1F569</u>		MANTELPiece CLOCK = clock → 23F0 🕒 alarm clock	
0162		<u>1F5C3</u>		FRAMED PICTURE WITH TILES = frames	
0163		<u>1F5C4</u>		FRAME WITH AN X = no frames, no picture	
0164		<u>1F5C5</u>		CLIPBOARD SIDEWAYS → 1F4CB 📋 clipboard	
0165		<u>1F5C6</u>		CALENDAR EMPTY = note → 1F4C5 📅 calendar	
0166		<u>1F5C7</u>		CALENDAR DAY-1 = calendar → 1F4C6 📅 tear-off calendar	
0167		<u>1F5C8</u>		OPEN BOOK 1 = book → 1F4D6 📖 open book	See also w-1038
0168		<u>1F5C9</u>		BOOKS 1 = reference → 1F4DA 📖 books	
0169		<u>1F5CA</u>		ROLLED-UP NEWSPAPER = news → 1F4F0 📰 newspaper	
0170		<u>1F5CB</u>		INDEX CARD WITH CIRCLED TEXT = classified	
0171		<u>1F5CC</u>		CARD FILE BOX = archive	
0172		<u>1F5CD</u>		BLACK CARD INDEX = index → 1F4C7 📇 card index	
0173		<u>1F5CE</u>		FRAMED PICTURE = art	

Entertainment symbols










ID	glyph	UCS	glyph	Name	Comments
0174		1F3AD		PERFORMING ARTS Variant = theater → 1F3AD 🎭 performing arts	Change glyph
0175		<u>1F39D</u>	 266C	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		<u>1F397</u>		MUSICAL KEYBOARD WITH PLUGS = midi, midi keyboard → 1F3B9 🎹 musical keyboard	
0177		<u>1F398</u>		STUDIO MICROPHONE = microphone → 1F3A4 🎙️ microphone	
0178		<u>1F399</u>		HEADPHONES → 1F3A7 🎧 headphone	
0179		<u>1F39A</u>		OPTICAL DISC CDROM = cdrom → 1F4BF 💿 optical disc	PS name is 'CDROM', could be confused with a tape reel, 'disc' used for optical medium, 'disk' used for floppy and hard medium.
0180		<u>1F39E</u>		FILM = film clip	
0181		<u>1F4F8</u>		CAMERA SIDEWAYS = point of interest → 1F4F7 📷 camera	
0182		<u>1F39F</u>		ADMISSION TICKETS = ticket → 1F3AB 🎫 ticket	
0183		1F3AC		CLAPPER BOARD Variant = film → 1F3AC 🎬 clapper board	Change glyph
0184		<u>1F4FD</u>		FILM PROJECTOR = movies → 1F3A6 🎥 cinema	
0185		<u>1F4F9</u>		VIDEO CAMERA Variant = video → 1F4F9 📹 video camera	Change glyph
0186		<u>1F4FE</u>		PORTABLE STEREO = stereo	
0187		<u>1F4FB</u>		RADIO Variant → 1F4FB 📻 radio	Original old fashioned, change glyph
0188		<u>1F39B</u>		LEVEL SLIDER = level control	
0189		<u>1F39C</u>		CONTROL KNOBS = audio control	
0190		<u>1F4FF</u>		TELEVISION FLAT CRT → 1F4FA 📺 television	Original old fashioned
0191		<u>1F5AB</u>		COMPUTER MONITOR → 1F4BB 💻 personal computer	
0192		<u>1F5AC</u>		DESKTOP COMPUTER = tower computer	
0193		<u>1F5AD</u>		KEYBOARD AND MOUSE → 2328 🖱️ keyboard	Keyboard is ergonomic
0194		<u>1F5AE</u>		THREE NETWORKED COMPUTERS = computer network	
0195		<u>1F54A</u>		JOYSTICK	
0196		<u>1F54B</u>		BLACK GAME CONTROLLER = game pad → 1F3AE 🎮 video game	







ID	glyph	UCS	glyph	Name	Comments
0197		<u>1F57D</u>		TELEPHONE RECEIVER LEFT HAND = phone → 1F4DE 📞 telephone receiver	See w-2040, add reference
0198		<u>1F57E</u>		TELEPHONE RECEIVER WITH PAGE = fax → 1F4E0 📠 fax machine	
0199		<u>1F4DF</u>		PAGER Variant → 1F4DF 📠 pager	Glyph change
0200		<u>1F57F</u>		CLAMSHELL MOBILE PHONE = cellular phone → 1F4F1 📱 mobile phone	
0201		<u>1F580</u>		TELEPHONE ON TOP OF MODEM = modem	
0202		<u>1F5AF</u>		PRINTER → 1F4E0 📠 fax machine	
0203		<u>1F5B0</u>		POCKET CALCULATOR = calculator	
0204		<u>1F5DB</u>		BLACK FOLDER = folder	Add reference to w-1048
0205		<u>1F5B1</u>		BLACK HARD SHELL FLOPPY DISK = disk → 1F4BE 📀 floppy disk	

Miscellaneous symbols












ID	glyph	UCS	glyph	Name	Comments
0206		<u>1F5F0</u>		COMPRESSION	
0207		<u>1F5F1</u>		LOCKED → 1F512 🔒 lock	
0208		<u>1F5F2</u>		UNLOCKED → 1F513 🔓 open lock	
0209		<u>1F5F3</u>		OLD KEY = encryption → 1F511 🔑 key	
0210		<u>1F5CF</u>		INBOX → 1F4E5 📧 inbox tray	
0211		<u>1F5D0</u>		OUTBOX → 1F4E4 📧 outbox tray	
0212		<u>2BCD</u>		OVAL SHAPE WITH SHADOW	Was called portable hole?

Weather symbols









ID	glyph	UCS	glyph	Name	Comments
0213		<u>1F322</u>		WHITE SUN = sunny → 263C ☀ white sun with rays	See w-1082
0214		<u>1F323</u>		WHITE SUN WITH SMALL BLACK CLOUD = mostly sunny → 26C5 ☀ sun behind cloud	
0215		<u>1F324</u>		WHITE SUN BEHIND BLACK CLOUDS = mostly cloudy	
0216		<u>1F325</u>		WHITE SUN BEHIND BLACK CLOUDS AND RAIN = showers	
0217		<u>1F326</u>		BLACK CLOUD = cloudy → 2601 ☁ cloud	2601 used to show a black cloud (Unicode 6.0)
0218		<u>1F327</u>		BLACK CLOUD AND SNOW = snow, snow showers	
0219		<u>1F328</u>		BLACK CLOUD AND RAIN = rain	
0220		<u>1F329</u>		BLACK CLOUD AND THUNDER = lightning, thunderstorm → 26C8 ⚡ thunder cloud and rain	

ID	glyph	UCS	glyph	Name	Comments
0221		<u>1F32A</u>		BLACK CLOUD AND TORNADO = tornado, twister	
0222		<u>1F32B</u>		WIND BLOWING FACE = wind	
0223		<u>1F32C</u>		FOG → 1F301 ☁ foggy	
0224		<u>1F31C</u>		LAST QUARTER MOON WITH FACE = moon	Webdings glyph is smaller
0225		<u>1F32D</u>		THERMOMETER = temperature, warm	






Accommodation

ID	glyph	UCS	glyph	Name	Comments
0226		<u>1F54C</u>		COUCH AND LAMP = furniture, lifestyles	See w-1082
0227		<u>1F54D</u>		BED IN PERSPECTIVE = hotel, guestrooms, accommodation → 1F3E8 🏨 hotel	
0228		<u>1F37E</u>		FORK AND KNIFE WITH BLACK PLATE = dining → 1F374 🍴 fork and knife	Remove annotation in 1F374 concerning addition of plate
0229		<u>1F37D</u>	 1F378	COCKTAIL GLASS 1 = lounge → 1F378 🍸 cocktail glass	Dis-unification?
0230		<u>1F54E</u>		BELLHOP BELL = reception, services	
0231		<u>1F54F</u>		TWO SHOPPING BAGS = shopping	
0232		24C5		CIRCLED CAPITAL LETTER P = parking	Webdings glyph is sans-serif
0233		<u>1F6E4</u>		WHEELCHAIR SYMBOL WITH HANDS ON WHEEL = handicap → 267F ♿ wheelchair symbol	Glyph looks more like this is wheelchair racing
0234		<u>1F6E5</u>		TRIANGLE WITH ROUNDED CORNERS = caution → 25B3 ⚠ white up-pointing triangle	





Miscellaneous symbols

ID	glyph	UCS	glyph	Name	Comments
0235		<u>1F56A</u>		BLACK PUSHPIN = marker → 1F4CC 📌 pushpin	
0236		1F393		MORTARBOARD = education → 1F393 🎓 graduation cap	Change glyph?
0237		<u>2BF5</u>		THREE RAYS ABOVE	
0238		<u>2BF6</u>		THREE RAYS BELOW	
0239		<u>2BF7</u>		THREE RAYS LEFT → 269E ≧ three lines converging right	
0240		<u>2BF8</u>		THREE RAYS RIGHT → 269F ≦ three lines converging left	
0241		<u>1F6D1</u>		AIRPLANE RISING = airplane	See w-1081








Animal symbols

ID	glyph	UCS	glyph	Name	Comments
0242		<u>1F572</u>		CHIPMUNK SILHOUETTE = animal	
0243		<u>1F573</u>		BIRD SILHOUETTE = bird → 1F426 🐦 bird	
0244		<u>1F574</u>		FISH SILHOUETTE = fish → 1F41F 🐟 fish	
0245		<u>1F575</u>		DOG SILHOUETTE = dog → 1F415 🐕 dog	
0246		<u>1F576</u>		CAT SILHOUETTE = cat → 1F408 🐈 cat	


Rocket symbols

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

Map and globe symbols

ID	glyph	UCS	glyph	Name	Comments
0251		<u>1F5FC</u>		WORLD MAP	
0252		<u>1F30D</u>		EARTH GLOBE EUROPE-AFRICA	
0253		<u>1F30F</u>		EARTH GLOBE ASIA-AUSTRALIA	
0254		<u>1F30E</u>		EARTH GLOBE AMERICAS	

Miscellaneous symbol

ID	glyph	UCS	glyph	Name	Comments
0255		<u>1F577</u>		DOVE OF PEACE = peace	

Wingdings

Miscellaneous symbols




















ID	glyph	UCS	glyph	Name	Comments
1033		<u>1F5D2</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		<u>1F3F2</u>	 1F453	READING GLASSES → 1F453 eyeglasses	1F453 has eyes/shades and is oriented differently
1037		<u>1F56B</u>	 1F514	RINGING BELL → 1F514 bell	1F514 has a centered clapper (still), this one has a moving one, could be dis-unified using RINGING BELL
1038		<u>1F5D1</u>	 1F4D6	OPEN BOOK 2 = book → 1F4D6 open book	1F4D6 has writing on page, see also w-0167
1039		<u>1F56C</u>		CANDLE	

Communication symbols























ID	glyph	UCS	glyph	Name	Comments
1040		<u>1F581</u>		BLACK TOUCHTONE TELEPHONE = telephone solid → 260E black telephone	260E has an old fashioned look widely used in East Asian fonts
1041		<u>1F582</u>		TELEPHONE LOCATION SIGN Variant = circled telephone hand set → 2706 telephone location sign	2706 is oriented differently
1042		<u>1F583</u>		ENVELOPE BACK	2709 ENVELOPE is really 'Sealed envelope'.
1043		<u>1F584</u>		ENVELOPE FRONT WITH STAMP = envelope front	Same as w-0155
1044		1F4EA		CLOSED MAILBOX WITH LOWERED FLAG Variant = mailbox with flag down	Could be unified with 1F4EA CLOSED MAILBOX WITH LOWERED FLAG if the post was removed
1045		1F4EB		CLOSED MAILBOX WITH RAISED FLAG Variant = mailbox with flag up	Could be unified with 1F4EB CLOSED MAILBOX WITH RAISED FLAG if the post was removed
1046		1F4EC		OPEN MAILBOX WITH RAISED FLAG Variant = mailbox open with flag up	Could be unified with 1F4EC OPEN MAILBOX WITH RAISED FLAG if the new glyph was used. Does this mean 'you have mail' or 'you are sending mail'?
1047		1F4ED		OPEN MAILBOX WITH LOWERED FLAG variant = mailbox open with flag down	Could be unified with 1F4ED OPEN MAILBOX WITH RAISED FLAG if the new glyph was used. = you have no mail

Office symbols







ID	glyph	UCS	glyph	Name	Comments
1048		<u>1F5DA</u>		FOLDER = directory → 1F4C1 file folder	
1049		<u>1F5DC</u>		OPEN FOLDER → 1F4C2 open file folder	
1050		<u>1F5E7</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>1F5E8</u>		PAGE = tall file with text → 1F4C3  page with curl	
1052		<u>1F5E9</u>		PAGES = tall file with text 3	
1053		<u>1F5DD</u>		FILE CABINET	
1054		23F3		HOURLASS WITH FLOWING SAND	Change glyph
1055		<u>1F5B5</u>		KEYBOARD WITH CORD = keyboard → 2328  keyboard	
1056		<u>1F5B7</u>		TWO BUTTON MOUSE	
1057		<u>1F5B9</u>		TRACKBALL = ballpoint	
1058		<u>1F5BA</u>		COMPUTER = personal computer → 1F4BB  personal computer	Old fashion shape
1059		<u>1F5BB</u>		HARD DISK	
1060		<u>1F5B2</u>		WHITE HARD SHELL FLOPPY DISK → 1F4BE  floppy disk	Picture in 1F4BE also represents a hard shell floppy disk with different color and orientation. See also w-0205
1061		<u>1F5B3</u>		SOFT SHELL FLOPPY DISK → 1F4BE  floppy disk	
1062		2707		TAPE DRIVE = tape reel	



































Hand symbols

ID	glyph	UCS	glyph	Name	Comments
1063		270D		WRITING HAND = handwriting, right writing hand	
1064		<u>1F58A</u>		LEFT WRITING HAND = handwriting left	
1065		270C		VICTORY HAND	
1066		<u>1F58B</u>		TURNED OK HAND SIGN → 1F44C  ok hand sign	
1067		1F44D		THUMBS UP SIGN	
1068		1F44E		THUMBS DOWN SIGN	
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>1F58C</u>		WHITE DOWN POINTING INDEX ON LEFT → 261F  white down pointing index → 1F447  white down pointing backhand index	Other similar symbols have index on the right
1073		<u>1F58D</u>		RAISED HAND WITH FINGERS SPYLED = halt → 270B  raised hand	





















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		1F56D		BLACK SKULL AND CROSSBONES = skull and crossbones → 2620  skull and crossbones	
1079		1F56E		WAVING WHITE FLAG = flag → 2690  white flag	
1080		1F56F		PENNANT → 1F6A9  triangular post on flag	
1081		1F6D0		AIRPLANE SYMBOL = airplane → 2708  airplane	This symbol is more generic, does not show engines
1082		1F32E		WHITE SUN WITH BLACK RAYS = sunshine → 263C  white sun with rays	
1083		1F32F		BLACK DROPLET = droplet → 1F4A7  droplet	
1084		2744		SNOWFLAKE	
1085		1F546		WHITE LATIN CROSS = cross outline → 271E  shadowed white latin cross	
1086		271E		SHADOWED WHITE LATIN CROSS	
1087		1F548		CELTIC CROSS	
1088		2720		MALTESE CROSS	
1089		2721		STAR OF DAVID	
1090		262A		STAR AND CRESCENT	
1091		262F		YIN YANG	
1092		1F549	 0950	OM SIGN → 0950  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	
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	

ID	glyph	UCS	glyph	Name	Comments
1104		2652		AQUARIUS	
1105		2653		PISCES	

Ligatures

ID	glyph	UCS	glyph	Name	Comments
1106		<u>1F670</u>		ITALIC AMPERSAND = italic ampersand lower case	See w-2089
1107		<u>1F675</u>		SWASH AMPERSAND = 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>2BC3</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>1F79E</u>		BOX 3	Smaller is w-1168, larger is w-1112 First occurrence of a series of 7
1112		<u>1F79F</u>		BOX 4 = heavy white square	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>1F7B3</u>		BLACK MEDIUM 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
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>1F7A9</u>		BLACK DIAMOND 4	Smaller is w-2173, larger is w-2174

Keyboard symbols

ID	glyph	UCS	glyph	Name	Comments
1120		<u>2BE8</u>		CLEAR KEY → 2612 ballot box with x	
1121		<u>2BE9</u>		ESCAPE KEY 1 → 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>1F578</u>		ROSETTE → 2740 white florette	Significant variant

ID	glyph	UCS	glyph	Name	Comments
1124		<u>1F579</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>		CIRCLED SANS-SERIF DIGIT ZERO ≈ <circle> 0030	Complement the Dingbat set 2780-2789, should we add 'dingbat' to the names?
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	
1139	⓪	<u>1F10C</u>		NEGATIVE CIRCLED SANS-SERIF DIGIT ZERO ≈ <circle> 0030	Complement the Dingbat set 278A-2793, should we add 'dingbat' to the names?
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	

Ornament symbols

























ID	glyph	UCS	glyph	Name	Comments
1150		1F662		BUD AND LEAF NORTH EAST	See opposite weight in range w-2097-2104
1151		1F660		BUD AND LEAF NORTH WEST	
1152		1F661		BUD AND LEAF SOUTH WEST	
1153		1F663		BUD AND LEAF SOUTH EAST	
1154		1F65E		HEAVY VINE LEAF NORTH EAST	
1155		1F65C		HEAVY VINE LEAF NORTH WEST	
1156		1F65D		HEAVY VINE LEAF SOUTH WEST	
1157		1F65F		HEAVY VINE LEAF SOUTH EAST	

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
1160		2B1D		BLACK VERY SMALL SQUARE = black square 2	Smaller is w-2159, larger is w-2160
1161		2B58		HEAVY CIRCLE = ring 2	Smaller is w-2153, larger is w-2154 First occurrence of a series of 7
1162		1F78E		RING 4 = very heavy circle	Smaller is w-2154, larger is w-2155
1163		1F790		RING 6 = extremely heavy circle	Smaller is w-2155, larger is w-2156
1164		1F793		RING BUTTON 2	Smaller is w-2157, larger is w-2158 First occurrence of a series of 3
1165		2BBB		ROUND TARGET → 25CE bullseye → 29BE circled white bullet → 2B57 heavy circle with circle inside	Part of a target collection (round, square, diamond)
1166		2BC4		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		1F79D		BOX 2	Smaller is w-2163, larger is w-1111
1169		1F7D9		THREE POINTED BLACK STAR 2	Previous is w-2229, next is w-2230 First occurrence of a series of 3
1170		1F7DD		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		1F7E6		SIX POINTED BLACK STAR 2	Previous is w-2235, next is w-2236 First occurrence of a series of 3
1173		1F7EA		EIGHT POINTED BLACK STAR 2 → 2738 heavy eight pointed rectilinear black star	Why rectilinear? Previous is w-2237, next is w-2238 First occurrence of a series of 3

ID	glyph	UCS	glyph	Name	Comments
1174		<u>1F7EF</u>		TWELVE POINTED BLACK STAR 3	Previous is w-2240, last First occurrence of a series of 3
1175		<u>1F7EC</u>		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>2BC9</u>		SQUARE POSITION INDICATOR = register square → 2316 * position indicator	
1177		<u>2BCA</u>		ROUND POSITION INDICATOR = register circle → 2316 * position indicator	Variant has a blank center and is smaller
1178		<u>2BC5</u>		WHITE FOUR POINTED CUSP → 2727 ⇄ white four pointed star	Scup designates the 'curved' lines See w-2246
1179		<u>2BC6</u>		ROTATED WHITE FOUR POINTED CUSP → 2311 ◻ square lozenge	See w-2247
1180		<u>2BCB</u>		WHITE DIAMOND WITH QUESTION MARK INSIDE = 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
1181		272A		CIRCLED WHITE STAR	
1182		<u>2BCC</u>		SHADOWED WHITE STAR 1 = start shadow → 2730 ✨ shadowed white star	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>2B60</u>		WHITE ARROW POINTING DOWNWARDS THEN CURVING LEFTWARDS	
1196		<u>2B61</u>		WHITE ARROW POINTING DOWNWARDS THEN CURVING RIGHTWARDS	
1197		<u>2B62</u>		WHITE ARROW POINTING UPWARDS THEN CURVING LEFTWARDS	

ID	glyph	UCS	glyph	Name	Comments
1198		<u>2B63</u>		WHITE ARROW POINTING UPWARDS THEN CURVING RIGHTWARDS	
1199		<u>2B64</u>		WHITE ARROW POINTING LEFTWARDS THEN CURVING UPWARDS	
1200		<u>2B65</u>		WHITE ARROW POINTING RIGHTWARDS THEN CURVING UPWARDS	
1201		<u>2B66</u>		WHITE ARROW POINTING LEFTWARDS THEN CURVING DOWNWARDS	
1202		<u>2B67</u>		WHITE ARROW POINTING RIGHTWARDS THEN CURVING DOWNWARDS	

Ornament symbols







































ID	glyph	UCS	glyph	Name	Comments
1203		<u>1F66A</u>		QUILT SQUARE 2 = fourfold knot ornament	
1204		<u>1F66B</u>		BLACK QUILT SQUARE 2 = inverse fourfold knot ornament	
1205		<u>1F655</u>		LEAF COUNTERCLOCKWISE SOUTH WEST	
1206		<u>1F654</u>		LEAF COUNTERCLOCKWISE NORTH WEST	
1207		<u>1F657</u>		LEAF COUNTERCLOCKWISE SOUTH EAST	
1208		<u>1F656</u>		LEAF COUNTERCLOCKWISE NORTH EAST	
1209		<u>1F650</u>		LEAF NORTH WEST	
1210		<u>1F651</u>		LEAF SOUTH WEST	
1211		<u>1F652</u>		LEAF NORTH EAST	
1212		<u>1F653</u>		LEAF SOUTH EAST	

Erase symbols

ID	glyph	UCS	glyph	Name	Comments
1213		232B		ERASE TO THE LEFT = delete left	Most fonts implementing these characters show the Winding glyphs, the reference glyphs should probably be changed accordingly
1214		2326		ERASE TO THE RIGHT = delete right	

Arrows


ID	glyph	UCS	glyph	Name	Comments
1215		<u>2BA3</u>		THREE-D TOP-LIGHTED LEFTWARDS ARROWHEAD 1	This pair is narrower than the 27A2-27A3 pair
1216		<u>2BA4</u>		THREE-D TOP-LIGHTED RIGHTWARDS ARROWHEAD 1 → 27A2 ➤ three-d top-lighted rightwards arrowhead	
1217		<u>2BA5</u>		THREE-D RIGHT-LIGHTED UPWARDS ARROWHEAD 1	
1218		<u>2BA6</u>		THREE-D LEFT-LIGHTED DOWNWARDS ARROWHEAD 1	
1219		<u>2BAB</u>		CIRCLED WHITE LEFTWARDS ARROW	
1220		<u>2BAC</u>		CIRCLED WHITE RIGHTWARDS ARROW → 27B2 ↻ circled heavy white rightwards arrow	

ID	glyph	UCS	glyph	Name	Comments
1221		<u>2BAD</u>		CIRCLED WHITE UPWARDS ARROW	
1222		<u>2BAE</u>		CIRCLED WHITE DOWNWARDS ARROW	
1223		<u>1F858</u>		WIDE-HEADED LEFTWARDS ARROW 2	PS style is 'barb2', see w-3209
1224		<u>1F859</u>		WIDE-HEADED RIGHTWARDS ARROW 2	
1225		<u>1F85A</u>		WIDE-HEADED UPWARDS ARROW 2	
1226		<u>1F85B</u>		WIDE-HEADED DOWNWARDS ARROW 2	
1227		<u>1F85C</u>		WIDE-HEADED NORTH WEST ARROW 2	
1228		<u>1F85D</u>		WIDE-HEADED NORTH EAST ARROW 2	
1229		<u>1F85E</u>		WIDE-HEADED SOUTH WEST ARROW 2	
1230		<u>1F85F</u>		WIDE-HEADED SOUTH EAST ARROW 2	
1231		<u>1F868</u>		WIDE-HEADED LEFTWARDS ARROW 4	PS style is 'barb2', see w-3209
1232		<u>1F869</u>		WIDE-HEADED RIGHTWARDS ARROW 4	
1233		<u>1F86A</u>		WIDE-HEADED UPWARDS ARROW 4	
1234		<u>1F86B</u>		WIDE-HEADED DOWNWARDS ARROW 4	
1235		<u>1F86C</u>		WIDE-HEADED NORTH WEST ARROW 4	
1236		<u>1F86D</u>		WIDE-HEADED NORTH EAST ARROW 4	
1237		<u>1F86E</u>		WIDE-HEADED SOUTH WEST ARROW 4	
1238		<u>1F86F</u>		WIDE-HEADED SOUTH EAST ARROW 4	
1239		21E6		LEFTWARDS WHITE ARROW	Glyph for 21E6 was changed by last FCD, too extreme?
1240		21E8		RIGHTWARDS WHITE ARROW	See above
1241		21E7		UPWARDS WHITE ARROW	See above
1242		21E9		DOWNWARDS WHITE ARROW	See above
1243		2B04		LEFT RIGHT WHITE ARROW	Glyph for 2B04 needs to be changed to Winding style
1244		21F3		UP DOWN WHITE ARROW	See comment for w-1239
1245		2B01		NORTH WEST WHITE ARROW	See comment for w-1243
1246		2B00		NORTH EAST WHITE ARROW	See comment for w-1243
1247		2B03		SOUTH WEST WHITE ARROW	See comment for w-1243
1248		2B02		SOUTH EAST WHITE ARROW	See comment for w-1243

Arrow elements







ID	glyph	UCS	glyph	Name	Comments
1249	□	<u>1F878</u>		ARROW ELEMENT FOR WHITE ARROW WIDE	Vertical aligned with white arrow
1250	□	<u>1F879</u>		ARROW ELEMENT FOR WHITE ARROW NARROW	

Miscellaneous symbols







ID	glyph	UCS	glyph	Name	Comments
1251	x	<u>2BEC</u>	X	BALLOT HEAVY X1 = x mark bold → 2717 X 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	☒	<u>2BED</u>		BALLOT BOX WITH HEAVY X1 = box x mark bold	
1254	☑	<u>2BF3</u>	☑	BALLOT BOX WITH HEAVY 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>1F5D3</u>		LOWER LEFT BALLPOINT PEN = ballpoint pen → 270E  lower right pencil	See also w-1033
2034		<u>1F5D4</u>		LOWER LEFT FOUNTAIN PEN = fountain pen → 2711  white nib	
2035		<u>1F5D5</u>		LOWER LEFT PAINTBRUSH = brush	
2036		<u>1F5D6</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>		CHILDS BLACK SCISSORS → 2702  black scissors	Tips are rounded

Telephones








ID	glyph	UCS	glyph	Name	Comments
2039		<u>1F588</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>1F589</u>		TELEPHONE RECEIVER RIGHT HAND = telephone handset	See also w-0197, add reference

User Interfaces symbols






















ID	glyph	UCS	glyph	Name	Comments
2041		<u>1F5DE</u>		EMPTY NOTE = file1	Alias for the 9 following characters denote usage in UI, maybe should use those names
2042		<u>1F5DF</u>		EMPTY NOTE PAGE = file	
2043		<u>1F5E0</u>		EMPTY NOTEPAD = file3	
2044		<u>1F5E1</u>		NOTE = file text1	
2045		<u>1F5E2</u>		NOTE PAGE = file text	
2046		<u>1F5E3</u>		NOTEPAD = file text3	
2047		<u>1F5E4</u>		EMPTY DOCUMENT = tall file1	
2048		<u>1F5E5</u>		EMPTY PAGE = tall file	
2049		<u>1F5E6</u>		EMPTY PAGES = tall file3	
2050		1F4CB		CLIPBOARD	See w-0164
2051		<u>1F5EC</u>		TRASHCAN = wastebasket	




ID	glyph	UCS	glyph	Name	Comments
2052		<u>1F5EB</u>		WINDOW	

Computer hardware icons

ID	glyph	UCS	glyph	Name	Comments
2053		<u>1F5BC</u>		SCREEN = monitor → 20E2 combining enclosing screen	
2054		<u>1F5BD</u>		PRINTER	
2055		<u>1F5BE</u>		FAX → 1F4E0 📠 fax machine	See also w-0198, w-0202
2056		<u>1F5BF</u>		OPTICAL DISC ICON = compact disc → 1F4BF 📀 optical disc	See also w-0179, could also be named according to shape
2057		<u>1F5B4</u>		TAPE CARTRIDGE	
2058		<u>1F5B6</u>		ONE BUTTON MOUSE	Reference w-1056
2059		<u>1F5B8</u>		THREE BUTTON MOUSE	

Hand symbols

ID	glyph	UCS	glyph	Name	Comments
2060		<u>1F58E</u>		REVERSED THUMBS UP SIGN → 1F44D 👍 thumbs up sign	See also w-1067
2061		<u>1F58F</u>		REVERSED THUMBS DOWN SIGN → 1F44E 👎 thumbs down sign	See also w-1068
2062		<u>1F590</u>		SIDEWAYS WHITE LEFT POINTING INDEX → 261C 🖐 white left pointing index	See also w-1069
2063		<u>1F591</u>		SIDEWAYS WHITE RIGHT POINTING INDEX → 261E 🖐 white right pointing index	See also w-1070
2064		<u>1F592</u>		SIDEWAYS BLACK LEFT POINTING INDEX	
2065		<u>1F593</u>		SIDEWAYS BLACK RIGHT POINTING INDEX	
2066		1F448		WHITE LEFT POINTING BACKHAND INDEX	
2067		1F449		WHITE RIGHT POINTING BACKHAND INDEX	
2068		<u>1F594</u>		BLACK LEFT POINTING BACKHAND INDEX → 1F448 🖐 white left pointing backhand index	
2069		<u>1F595</u>		BLACK RIGHT POINTING BACKHAND INDEX → 1F449 🖐 white right pointing backhand index	
2070		<u>1F596</u>		SIDEWAYS WHITE UP POINTING INDEX → 261D 🖐 white up pointing index	See also w-1071
2071		<u>1F597</u>		SIDEWAYS WHITE DOWN POINTING INDEX → 261F 🖐 white down pointing index	See also w-1072
2072		<u>1F598</u>		SIDEWAYS BLACK UP POINTING INDEX	
2073		<u>1F599</u>		SIDEWAYS BLACK DOWN POINTING INDEX	
2074		1F446		WHITE UP POINTING BACKHAND INDEX	
2075		1F447		WHITE DOWN POINTING BACKHAND INDEX	
2076		<u>1F59A</u>		BLACK UP POINTING BACKHAND INDEX → 1F446 🖐 white up pointing backhand index	

ID	glyph	UCS	glyph	Name	Comments
2077		<u>1F59B</u>		BLACK DOWN POINTING BACKHAND INDEX → 1F447 	
2078		<u>1F59C</u>		REVERSED RAISED HAND WITH FINGERS SPRAYED	See w-1073, add reference

Miscellaneous symbols

ID	glyph	UCS	glyph	Name	Comments
2079	x	<u>2BEA</u>		BALLOT X 1 = x mark	See w-1251
2080	✓	<u>2BF2</u>	✓	LIGHT CHECK MARK = check → 2713 ✓ check mark	See w-1252
2081	☒	<u>2BEB</u>		BALLOT BOX WITH X 1 = box x mark	See w-1253
2082	☑	2611	☑	BALLOT BOX WITH CHECK = box x check	See w-1254
2083	☒	<u>2BEE</u>	☒	BALLOT BOX WITH LIGHT X = box x → 2612 ☒ ballot box with x	
2084	☒	2612	☒	BALLOT BOX WITH X = box x bold	
2085	⊗	<u>2BEF</u>		CIRCLED X → 2297 ⊗ circled times	This should be <2297, FE00>, is that ideal?
2086	⊗	<u>2BF0</u>	⊗	CIRCLED HEAVY X = circled x bold	
2087	⊘	<u>2BF1</u>		CIRCLED REVERSE LIGHT SOLIDUS = prohibit	
2088	⊘	29B8	⊘	CIRCLED REVERSE SOLIDUS = prohibit bold	Duplicate of w-0120


Ligatures








ID	glyph	UCS	glyph	Name	Comments
2089		<u>1F671</u>		MEDIUM HEAVY ITALIC AMPERSAND	See w-1106
2090		<u>1F674</u>		HEAVY AMPERSAND	
2091		<u>1F672</u>		SANS-SERIF AMPERSAND	
2092		<u>1F673</u>		MEDIUM HEAVY SANS-SERIF AMPERSAND	

Punctuations

ID	glyph	UCS	glyph	Name	Comments
2093	‽	203D	‽	INTERROBANG	See w-1106
2094	‽	<u>1F678</u>		MEDIUM HEAVY INTERROBANG	
2095	‽	<u>1F679</u>		SANS-SERIF INTERROBANG	
2096	‽	<u>1F67A</u>		MEDIUM HEAVY SANS-SERIF INTERROBANG	

Ornament symbols









ID	glyph	UCS	glyph	Name	Comments
2097		<u>1F666</u>		HEAVY BUD AND LEAF NORTH EAST	See opposite weight in range w-1150-1157

ID	glyph	UCS	glyph	Name	Comments
2098		<u>1F664</u>		HEAVY BUD AND LEAF NORTH WEST	
2099		<u>1F665</u>		HEAVY BUD AND LEAF SOUTH WEST	
2100		<u>1F667</u>		HEAVY BUD AND LEAF SOUTH EAST	
2101		<u>1F65A</u>		VINE LEAF NORTH EAST	
2102		<u>1F658</u>		VINE LEAF NORTH WEST	
2103		<u>1F659</u>		VINE LEAF SOUTH WEST	
2104		<u>1F65B</u>		VINE LEAF SOUTH EAST	





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	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	
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	
2116	⓪	24FF	⓪	NEGATIVE CIRCLED DIGIT ZERO	Winding glyph is better
2117	⓫	2776	⓫	DINGBAT NEGATIVE CIRCLED DIGIT ONE	
2118	⓬	2777	⓬	DINGBAT NEGATIVE CIRCLED DIGIT TWO	
2119	⓭	2778	⓭	DINGBAT NEGATIVE CIRCLED DIGIT THREE	
2120	⓮	2779	⓮	DINGBAT NEGATIVE CIRCLED DIGIT FOUR	
2121	⓯	277A	⓯	DINGBAT NEGATIVE CIRCLED DIGIT FIVE	
2122	⓰	277B	⓰	DINGBAT NEGATIVE CIRCLED DIGIT SIX	
2123	⓱	277C	⓱	DINGBAT NEGATIVE CIRCLED DIGIT SEVEN	
2124	⓲	277D	⓲	DINGBAT NEGATIVE CIRCLED DIGIT EIGHT	
2125	⓳	277E	⓳	DINGBAT NEGATIVE CIRCLED DIGIT NINE	
2126	⓴	277F	⓴	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		<u>2E3F</u>		CAPITULUM * ancestor of the pilcrow sign → 00B6 ¶ pilcrow sign	
2133		271D		LATIN CROSS	
2134		<u>1F547</u>		HEAVY LATIN CROSS	

Clock face symbols

ID	glyph	UCS	glyph	Name	Comments
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	

Ornament symbols

ID	glyph	UCS	glyph	Name	Comments
2147		<u>1F668</u>		QUILT SQUARE	See w-1203
2148		<u>1F669</u>		BLACK QUILT 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>1F786</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

Rings

ID	glyph	UCS	glyph	Name	Comments
2153	○	25CB	○	WHITE CIRCLE = ring 1	Smallest, larger is w-1161
2154	○	<u>1F78D</u>		<u>RING 3</u>	Smaller is w-1161, larger is w-1162
2155	◉	<u>1F78F</u>		<u>RING 5</u>	Smaller is w-1162, larger is w-1163
2156	◉	<u>1F791</u>		<u>RING 7</u>	Smaller is w-1163, largest

Ring buttons

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 ● fisheye	Smaller is w-1164, largest

Black squares

ID	glyph	UCS	glyph	Name	Comments
2159	.	<u>1F795</u>		BLACK TINY SQUARE = black square 1	Smallest, larger is w-1160
2160	▪	<u>1F797</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

Boxes

ID	glyph	UCS	glyph	Name	Comments
2163	□	25A1	□	WHITE SQUARE = box 1	Smallest, larger is w-1168
2164	◻	<u>1F7A0</u>		BOX 5	Smaller is w-1112, larger is w-2165
2165	◻	<u>1F7A1</u>		BOX 6	Smaller is w-2164, larger is w-2166
2166	◻	<u>1F7A2</u>		BOX 7	Smaller is w-2165, Largest

Box buttons

ID	glyph	UCS	glyph	Name	Comments
2167		<u>1F7A3</u>		BOX BUTTON 1	Series of 3
2168		<u>1F7A4</u>		BOX BUTTON 2	
2169		<u>1F7A5</u>		BOX BUTTON 3	

Box target

ID	glyph	UCS	glyph	Name	Comments
2170		<u>2BBC</u>		BOX TARGET	Reference w-1165

Diamond

ID	glyph	UCS	glyph	Name	Comments
2171	.	<u>1F7A6</u>		BLACK TINY DIAMOND = black diamond 1	Smallest, larger is w-2172
2172	.	<u>1F7A7</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	

Diamond buttons

ID	glyph	UCS	glyph	Name	Comments
2176	◇	<u>1F7AD</u>		DIAMOND BUTTON 1	Series of 3
2177	◇	<u>1F7AE</u>		DIAMOND BUTTON 2	
2178	◇	<u>1F7AF</u>		DIAMOND BUTTON 3	

Diamond target

ID	glyph	UCS	glyph	Name	Comments
2179	◇	<u>2BBD</u>		DIAMOND TARGET	Reference w-1165

Lozenges

ID	glyph	UCS	glyph	Name	Comments
2180	.	<u>1F7B0</u>		BLACK TINY LOZENGE = black lozenge 1	Smallest, larger is w-2181
2181	.	<u>1F7B1</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

ID	glyph	UCS	glyph	Name	Comments
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>1F7B7</u>		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>2BB9</u>		TOP HALF BLACK CIRCLE	
2189	◖	<u>2BBA</u>		BOTTOM HALF BLACK CIRCLE	

Centered geometric shapes

ID	glyph	UCS	glyph	Name	Comments
2190	■	<u>2BB0</u>		BLACK SQUARE CENTERED	All but two last of this series have 'cent' suffix in their PS name
2191	◆	<u>2BB1</u>		BLACK DIAMOND CENTERED	
2192	⬠	2B1F	⬠	BLACK PENTAGON = black pentagon 1 centered	
2193	⬡	<u>2BB2</u>		BLACK PENTAGON 2 CENTERED	
2194	⬢	2B23	⬢	HORIZONTAL BLACK HEXAGON = black hexagon 1 centered	
2195	⬤	2B22	⬤	BLACK HEXAGON = black hexagon 2 centered	
2196	⬥	<u>2BB3</u>		HORIZONTAL BLACK OCTAGON = black octagon 1	
2197	⬦	<u>2BB4</u>		BLACK OCTAGON = black octagon 2	

Crosses

ID	glyph	UCS	glyph	Name	Comments
2198	+	<u>1F7B8</u>		CROSS 1	
2199	+	<u>1F7B9</u>		CROSS 2	
2200	+	<u>1F7BA</u>		CROSS 3	
2201	+	<u>1F7BB</u>		CROSS 4	
2202	+	<u>1F7BC</u>		CROSS 5	

ID	glyph	UCS	glyph	Name	Comments
2203	+	<u>1F7BD</u>		CROSS 6	
2204	+	<u>1F7BE</u>		CROSS 7	

X forms

ID	glyph	UCS	glyph	Name	Comments
2205	×	<u>1F7C0</u>		X FORM 1	
2206	×	<u>1F7C1</u>		X FORM 2	
2207	×	<u>1F7C2</u>		X FORM 3	
2208	×	<u>1F7C3</u>		X FORM 4	
2209	×	<u>1F7C4</u>		X FORM 5	
2210	×	<u>1F7C5</u>		X FORM 6	
2211	×	<u>1F7C6</u>		X FORM 7	

Five spoked asterisks

ID	glyph	UCS	glyph	Name	Comments
2212	✱	<u>1F7C7</u>		FIVE SPOKED ASTERISK 1	
2213	✱	<u>1F7C8</u>		FIVE SPOKED ASTERISK 2	
2214	✱	<u>1F7C9</u>		FIVE SPOKED ASTERISK 3	
2215	✱	<u>1F7CA</u>		FIVE SPOKED ASTERISK 4	
2216	✱	<u>1F7CB</u>		FIVE SPOKED ASTERISK 5	
2217	✱	<u>1F7CC</u>		FIVE SPOKED ASTERISK 6	

Six spoked asterisks

ID	glyph	UCS	glyph	Name	Comments
2218	✱	<u>1F7CD</u>		SIX SPOKED ASTERISK 1	
2219	✱	<u>1F7CE</u>		SIX SPOKED ASTERISK 2	
2220	✱	<u>1F7CF</u>		SIX SPOKED ASTERISK 3	
2221	✱	<u>1F7D0</u>		SIX SPOKED ASTERISK 4	
2222	✱	<u>1F7D1</u>		SIX SPOKED ASTERISK 5	
2223	✱	<u>1F7D2</u>		SIX SPOKED ASTERISK 6	

Eight spoked asterisks

ID	glyph	UCS	glyph	Name	Comments
2224	✱	<u>1F7D3</u>		EIGHT SPOKED ASTERISK 1	
2225	✱	<u>1F7D4</u>		EIGHT SPOKED ASTERISK 2	
2226	✱	<u>1F7D5</u>		EIGHT SPOKED ASTERISK 3	
2227	✱	<u>1F7D6</u>		EIGHT SPOKED ASTERISK 4	
2228	✱	<u>1F7D7</u>		EIGHT SPOKED ASTERISK 5	

Pointed stars

ID	glyph	UCS	glyph	Name	Comments
2229	▲	<u>1F7D8</u>		THREE POINTED BLACK STAR 1	First, next is w-1169
2230	▲	<u>1F7DA</u>		THREE POINTED BLACK STAR 3	Previous is w-1169, last
2231	✦	<u>1F7DC</u>		FOUR POINTED BLACK STAR 1	First, next is w-1170
2232	◆	<u>1F7DE</u>	◆	FOUR POINTED BLACK STAR 3 * 2726 black four pointed star is a cusp → 2726 ◆ black four pointed star	Previous is w-1170, last
2233	★	<u>1F7E1</u>		FIVE POINTED BLACK STAR 1	First, next is w-1171
2234	★	<u>1F7E3</u>		FIVE POINTED BLACK STAR 3	Previous is w-1171, last
2235	★	2736	★	SIX POINTED BLACK STAR = six pointed black star 1	First, next is w-1172
2236	★	<u>1F7E7</u>		SIX POINTED BLACK STAR 3	Previous is w-1172, last
2237	✳	<u>1F7E9</u>		EIGHT POINTED BLACK STAR 1	First, next is w-1173
2238	✳	<u>1F7EB</u>		EIGHT POINTED BLACK STAR 3	Previous is w-1173, last
2239	✳	<u>1F7ED</u>		TWELVE POINTED BLACK STAR 1	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>1F7DB</u>		THREE POINTED PINWHEEL STAR	
2242	✧	<u>1F7DF</u>		FOUR POINTED PINWHEEL STAR	
2243	☆	272F	☆	PINWHEEL STAR = five pointed pinwheel star	Size is slightly different
2244	☆	<u>1F7E8</u>		SIX POINTED PINWHEEL STAR	
2245	☆	<u>1F7F0</u>		TWELVE POINTED PINWHEEL STAR	

Miscellaneous symbols

ID	glyph	UCS	glyph	Name	Comments
2246	◆	<u>2BC7</u>	◆	FOUR POINTED BLACK CUSP → 2726 ◆ black four pointed star	Cusp designates curved lines See w-1178
2247	✧	<u>2BC8</u>		ROTATED FOUR POINTED BLACK CUSP	See w-1179

ID	glyph	UCS	glyph	Name	Comments
2248	✕	203B	✕	REFERENCE MARK = x dot	
2249	* **	2042	* **	ASTERISM	

Wingdings 3

Simple triangle-headed arrows

ID	glyph	UCS	glyph	Name	Comments
3033	←	<u>2B68</u>		TRIANGLE-HEADED LEFTWARDS ARROW A2 → 2190 ← leftwards arrow	PS style name is 'a2'
3034	→	<u>2B69</u>	→	TRIANGLE-HEADED RIGHTWARDS ARROW A2 → 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>2B6A</u>		TRIANGLE-HEADED UPWARDS ARROW A2 → 2191 ↑ upwards arrow	
3036	↓	<u>2B6B</u>		TRIANGLE-HEADED DOWNWARDS ARROW A2 → 2193 ↓ downwards arrow	
3037	↖	<u>2B6E</u>		TRIANGLE-HEADED NORTH WEST ARROW A2 → 2196 ↖ north west arrow	
3038	↗	<u>2B6F</u>		TRIANGLE-HEADED NORTH EAST ARROW A2 → 2197 ↗ north east arrow	
3039	↙	<u>2B70</u>		TRIANGLE-HEADED SOUTH WEST ARROW A2 → 2199 ↙ south west arrow	
3040	↘	<u>2B71</u>		TRIANGLE-HEADED SOUTH EAST ARROW A2 → 2198 ↘ south east arrow	

Triangle-headed arrows to bar

ID	glyph	UCS	glyph	Name	Comments
3041	←	<u>2B86</u>		LEFTWARDS TRIANGLE-HEADED ARROW TO BAR = left tab → 21E4 ← leftwards arrow to bar	PS style name is 'a2'
3042	→	<u>2B87</u>		RIGHTWARDS TRIANGLE-HEADED ARROW TO BAR = right tab → 21E5 → rightwards arrow to bar	
3043	↑	<u>2B88</u>		UPWARDS TRIANGLE-HEADED ARROW TO BAR = up tab → 2912 ↑ upwards arrow to bar	
3044	↓	<u>2B89</u>		DOWNWARDS TRIANGLE-HEADED ARROW TO BAR = down tab → 2913 ↓ downwards arrow to bar	
3045	↖	<u>2B8A</u>		NORTH WEST TRIANGLE-HEADED ARROW TO BAR = home	
3046	↘	<u>2B8B</u>		SOUTH EAST TRIANGLE-HEADED ARROW TO BAR = end	

Triangle-headed arrows with double horizontal stroke

ID	glyph	UCS	glyph	Name	Comments
3047	⇑	<u>2B8C</u>		UPWARDS TRIANGLE-HEADED ARROW WITH DOUBLE HORIZONTAL STROKE = page up	PS style name is 'a2'
3048	⇓	<u>2B8D</u>		DOWNWARDS TRIANGLE-HEADED ARROW WITH DOUBLE HORIZONTAL STROKE = page down	

Simple triangle-headed arrows

ID	glyph	UCS	glyph	Name	Comments
3049	↔	<u>2B6C</u>		LEFT RIGHT TRIANGLE-HEADED ARROW A2 → 2194 ↔ left right arrow	PS style name is 'a2'

ID	glyph	UCS	glyph	Name	Comments
3050	↕	<u>2B6D</u>		UP DOWN TRIANGLE-HEADED ARROW A2 → 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>2B72</u>		LEFTWARDS TRIANGLE-HEADED DASHED ARROW → 21E0 ←--- leftwards dashed arrow	
3052	---→	<u>2B74</u>		RIGHTWARDS TRIANGLE-HEADED DASHED ARROW → 21E2 ---→ rightwards dashed arrow	
3053	↑---	<u>2B73</u>		UPWARDS TRIANGLE-HEADED DASHED ARROW → 21E1 ↑--- upwards dashed arrow	
3054	↓---	<u>2B75</u>		DOWNWARDS TRIANGLE-HEADED DASHED ARROW → 21E3 ↓--- downwards dashed arrow	

Triangle-headed zigzag arrow

ID	glyph	UCS	glyph	Name	Comments
3055	↙	<u>2B96</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>2B76</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>2B77</u>		DOWNWARDS TRIANGLE-HEADED ARROW WITH LONG TIP RIGHTWARDS → 21B3 ↶ downwards arrow with tip rightwards	
3058	↷	<u>2B78</u>		UPWARDS TRIANGLE-HEADED ARROW WITH LONG TIP LEFTWARDS → 21B0 ↷ upwards arrow with tip leftwards	
3059	↸	<u>2B79</u>		UPWARDS TRIANGLE-HEADED ARROW WITH LONG TIP RIGHTWARDS → 21B1 ↸ upwards arrow with tip rightwards	
3060	↶	<u>2B7A</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>2B7B</u>		RIGHTWARDS TRIANGLE-HEADED ARROW WITH LONG TIP UPWARDS → 2B0F ↷ rightwards arrow with tip upwards	
3062	↵	<u>2B7C</u>		LEFTWARDS TRIANGLE-HEADED ARROW WITH LONG TIP DOWNWARDS → 2B10 ↵ leftwards arrow with tip downwards	
3063	↶	<u>2B7D</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>2B97</u>		RETURN LEFT → 23CE ↵ return symbol	PS style name is 'a2'
3065	↶	<u>2B98</u>		RETURN RIGHT	
3066	↵	<u>2B99</u>		NEWLINE LEFT	

ID	glyph	UCS	glyph	Name	Comments
3067	↵	<u>2B9A</u>		NEULINE RIGHT	

Paired triangle-headed arrows






ID	glyph	UCS	glyph	Name	Comments
3068	↔	<u>2B8E</u>		LEFTWARDS TRIANGLE-HEADED ARROW OVER RIGHTWARDS TRIANGLE-HEADED ARROW → 21C6 ⇌ leftwards arrow over rightwards arrow	PS style name is 'a2'
3069	↕	<u>2B8F</u>		DOWNWARDS TRIANGLE-HEADED ARROW LEFTWARDS OF UPWARDS TRIANGLE-HEADED ARROW → 21C6 ⇌ leftwards arrow over rightwards arrow	
3070	⇄	<u>2B90</u>		HORIZONTAL TAB KEY	Represent normal and shifted tab actions
3071	⇅	<u>2B91</u>		VERTICAL TAB KEY	
3072	⇐	<u>2B92</u>		LEFTWARDS PAIRED TRIANGLE-HEADED ARROWS → 21C7 ⇔ leftwards paired arrows	
3073	⇒	<u>2B93</u>		RIGHTWARDS PAIRED TRIANGLE-HEADED ARROWS → 21C9 ⇔ rightwards paired arrows	
3074	⇑	<u>2B94</u>		UPWARDS PAIRED TRIANGLE-HEADED ARROWS → 21C8 ⇑ upwards paired arrows	
3075	⇓	<u>2B95</u>		DOWNTWARDS PAIRED TRIANGLE-HEADED ARROWS → 21CA ⇓ downwards paired arrows	

Circled triangle-headed arrows

















ID	glyph	UCS	glyph	Name	Comments
3076	↶	<u>2B9C</u>		ANTICLOCKWISE TOP SEMICIRCLE TRIANGLE-HEADED ARROW → 21B6 ↶ anticlockwise top semicircle arrow	PS style name is 'a2'
3077	↷	<u>2B9D</u>		ANTICLOCKWISE BOTTOM SEMICIRCLE TRIANGLE-HEADED ARROW	
3078	↵	<u>2B9E</u>		ANTICLOCKWISE LEFT SEMICIRCLE TRIANGLE-HEADED ARROW	
3079	↶	<u>2B9F</u>		ANTICLOCKWISE RIGHT SEMICIRCLE TRIANGLE-HEADED ARROW	
3080	↻	<u>2BA0</u>		CLOCKWISE OPEN CIRCLE TRIANGLE-HEADED ARROW → 21BB ↻ clockwise open circle arrow	
3081	↺	<u>2BA1</u>		ANTICLOCKWISE OPEN CIRCLE TRIANGLE-HEADED ARROW → 21BA ↺ anticlockwise open circle arrow	

Keyboard symbols

















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3082	↵	<u>2B9B</u>		ESCAPE KEY	
3083	⌵	2324	⌵	UP ARROWHEAD BETWEEN TWO HORIZONTAL BARS = enter key	
3084	⌘	<u>2BF4</u>	⌘	CONTROL KEY → 005E ^ circumflex accent → 2303 ^ up arrowhead	
3085	⌥	2325	⌥	OPTION KEY	
3086	⌵	2423	⌵	OPEN BOX * graphic for space	

ID	glyph	UCS	glyph	Name	Comments
3087		237D		SHOULDERED OPEN BOX * keyboard symbol for No Break Space	Glyph different?
3088		21EA		UPWARDS WHITE ARROW FROM BAR = caps lock * may also be a shift lock	
3089		<u>2B4D</u>		UPWARDS WHITE 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>2BD0</u>		BOTTOM SHADED WHITE LEFTWARDS ARROW 1	
3091		<u>2BD1</u>		BOTTOM SHADED WHITE RIGHTWARDS ARROW 1	
3092		<u>2BD2</u>		TOP SHADED WHITE LEFTWARDS ARROW 1	
3093		<u>2BD3</u>		TOP SHADED WHITE RIGHTWARDS ARROW 1	
3094		<u>2BD4</u>		LEFT-SHADED WHITE LEFTWARDS ARROW 1	
3095		<u>2BD5</u>		RIGHT-SHADED WHITE RIGHTWARDS ARROW 1 → 27A9 ⇨ right-shaded white rightwards arrow	
3096		<u>2BD6</u>		RIGHT-SHADED WHITE LEFTWARDS ARROW 1	
3097		<u>2BD7</u>		LEFT-SHADED WHITE RIGHTWARDS ARROW 1 → 27AA ⇨ left-shaded white rightwards arrow	Glyph different
3098		<u>2BD8</u>		BACK-TILTED SHADOWED WHITE LEFTWARDS ARROW 1	
3099		<u>2BD9</u>		BACK-TILTED SHADOWED WHITE RIGHTWARDS ARROW 1 → 27AB ⇨ back-tilted shadowed white rightwards arrow	Glyph different
3100		<u>2BDA</u>		FRONT-TILTED SHADOWED WHITE LEFTWARDS ARROW 1	
3101		<u>2BDB</u>		FRONT-TILTED SHADOWED WHITE RIGHTWARDS ARROW 1 → 27AC ⇨ front-tilted shadowed white rightwards arrow	Glyph different

Simple arrows

ID	glyph	UCS	glyph	Name	Comments
3102		<u>1F80C</u>		LEFTWARDS ARROW B2 → 2190 ← leftwards arrow	PS style name is 'b2'
3103		<u>1F80D</u>		RIGHTWARDS ARROW B2 → 2192 → rightwards arrow	
3104		<u>1F80E</u>		UPWARDS ARROW B2 → 2191 ↑ upwards arrow	
3105		<u>1F80F</u>		DOWNWARDS ARROW B2 → 2193 ↓ downwards arrow	
3106		<u>1F810</u>		NORTH WEST ARROW B2 → 2196 ↖ north west arrow	
3107		<u>1F811</u>		NORTH EAST ARROW B2 → 2197 ↗ north east arrow	
3108		<u>1F812</u>		SOUTH WEST ARROW B2 → 2199 ↙ south west arrow	
3109		<u>1F813</u>		SOUTH EAST ARROW B2 → 2198 ↘ south east arrow	

ID	glyph	UCS	glyph	Name	Comments
3110	↔	<u>1F814</u>	↔	LEFT RIGHT ARROW B2 → 2194 ↔ left right arrow	
3111	↕	<u>1F815</u>	↕	UP DOWN ARROW B2 → 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	
3122	▶	25E4	▶	BLACK UPPER LEFT TRIANGLE	
3123	▷	25E5	▷	BLACK UPPER RIGHT TRIANGLE	
3124	◀	<u>1F780</u>		BLACK LEFT-POINTING 45 TRIANGLE	See w-0051..0054
3125	▶	<u>1F781</u>		BLACK RIGHT-POINTING 45 TRIANGLE	
3126	▲	<u>1F782</u>		BLACK UP-POINTING 45 TRIANGLE	
3128	▼	<u>1F783</u>		BLACK DOWN-POINTING 45 TRIANGLE	

Geometric shapes centered

ID	glyph	UCS	glyph	Name	Comments
3129	▲	<u>2BB5</u>		BLACK MEDIUM UP-POINTING TRIANGLE CENTERED	See w-2190..2197
3130	▼	<u>2BB6</u>		BLACK MEDIUM DOWN-POINTING TRIANGLE CENTERED	
3131	◀	<u>2BB7</u>		BLACK MEDIUM LEFT-POINTING TRIANGLE CENTERED	
3132	▶	<u>2BB8</u>		BLACK MEDIUM RIGHT-POINTING TRIANGLE CENTERED	

Arrowheads

ID	glyph	UCS	glyph	Name	Comments
3133	◀	<u>2BA7</u>		BLACK LEFTWARDS ARROWHEAD 1	
3134	▶	<u>2BA8</u>	▶	BLACK RIGHTWARDS ARROWHEAD 1 → 27A4 ▶ black rightwards arrowhead	Glyph different
3135	▲	<u>2BA9</u>		BLACK UPWARDS ARROWHEAD 1	
3136	▼	<u>2BAA</u>		BLACK DOWNWARDS ARROWHEAD 1	

Simple arrows various styles

ID	glyph	UCS	glyph	Name	Comments
3137	←	<u>1F818</u>		LEFTWARDS ARROW C1	PS style name is 'c1'
3138	→	<u>1F819</u>		RIGHTWARDS ARROW C1	
3139	↑	<u>1F81A</u>		UPWARDS ARROW C1	
3140	↓	<u>1F81B</u>		DOWNWARDS ARROW C1	
3141	←	<u>1F81C</u>		LEFTWARDS ARROW C2	PS style name is 'c2'
3142	→	<u>1F81D</u>		RIGHTWARDS ARROW C2	
3143	↑	<u>1F81E</u>		UPWARDS ARROW C2	
3144	↓	<u>1F81F</u>		DOWNWARDS ARROW C2	
3145	←	<u>1F820</u>		LEFTWARDS ARROW C3	PS style name is 'c3'
3146	→	<u>1F821</u>		RIGHTWARDS ARROW C3	
3147	↑	<u>1F822</u>		UPWARDS ARROW C3	
3148	↓	<u>1F823</u>		DOWNWARDS ARROW C3	
3149	◀	<u>1F824</u>		LEFTWARDS ARROW C4	PS style name is 'c4'
3150	▶	<u>1F825</u>		RIGHTWARDS ARROW C4	
3151	▲	<u>1F826</u>		UPWARDS ARROW C4	
3152	▼	<u>1F827</u>		DOWNWARDS ARROW C4	
3153	←	<u>1F800</u>		LEFTWARDS ARROW A1	PS style name is 'a1', see w-3033..
3154	→	<u>1F801</u>		RIGHTWARDS ARROW A1	
3155	↑	<u>1F802</u>		UPWARDS ARROW A1	
3156	↓	<u>1F803</u>		DOWNWARDS ARROW A1	
3157	←	<u>1F804</u>		LEFTWARDS ARROW A3	PS style name is 'a3'




ID	glyph	UCS	glyph	Name	Comments
3158	→	<u>1F805</u>		RIGHTWARDS ARROW A3	
3159	↑	<u>1F806</u>		UPWARDS ARROW A3	
3160	↓	<u>1F807</u>		DOWNWARDS ARROW A3	
3161	←	<u>1F808</u>		LEFTWARDS ARROW A4	PS style name is 'a4'
3162	➔	<u>1F809</u>		RIGHTWARDS ARROW A4	
3163	⬆	<u>1F80A</u>		UPWARDS ARROW A4	
3164	⬇	<u>1F80B</u>		DOWNWARDS ARROW A4	
3165	↶	<u>1F828</u>		LEFTWARDS ARROW D1	PS style name is 'd1'
3166	➡	<u>1F829</u>		RIGHTWARDS ARROW D1	
3167	↵	<u>1F82C</u>		LEFTWARDS ARROW E3	PS style name is 'e3'
3168	➠	<u>1F82D</u>		RIGHTWARDS ARROW E3	
3169	↶	<u>1F830</u>		LEFTWARDS ARROW F4	PS style name is 'f4'
3170	➡	<u>1F831</u>		RIGHTWARDS ARROW F4	
3171	↶	<u>1F834</u>		LEFTWARDS ARROW G5	PS style name is 'g5'

Arrow elements





ID	glyph	UCS	glyph	Name	Comments
3172	▪	<u>1F87A</u>		ARROW ELEMENT G5 ONE	PS style name is 'g5', to be used in conjunction with 'g5' arrows
3173	▪	<u>1F87B</u>		ARROW ELEMENT G5 TWO THIRD	2/3 width of w-3172
3174	▪	<u>1F87C</u>		ARROW ELEMENT G5 HALF	1/2 width of w-3172
3175	▪	<u>1F87C</u>		ARROW ELEMENT G5 ONE THIRD	1/3 width of w-3172

Simple arrows various styles














ID	glyph	UCS	glyph	Name	Comments
3176	➡	<u>1F835</u>		RIGHTWARDS ARROW G5	PS style name is 'g5'
3177	↶	<u>1F838</u>		LEFTWARDS ARROW H6	PS style name is 'h6'
3178	➡	<u>1F839</u>		RIGHTWARDS ARROW H6	
3179	↶	<u>1F83C</u>		LEFTWARDS ARROW I8	PS style name is 'i8'
3180	➡	<u>1F83D</u>		RIGHTWARDS ARROW I8	
3181	↶	<u>1F840</u>		LEFTWARDS ARROW J6	PS style name is 'j6'

ID	glyph	UCS	glyph	Name	Comments
3182		<u>1F841</u>		RIGHTWARDS ARROW J6	
3183		<u>1F842</u>		UPWARDS ARROW J6	
3184		<u>1F843</u>		DOWNWARDS ARROW J6	




Notched simple arrows








ID	glyph	UCS	glyph	Name	Comments
3185		<u>2BDC</u>		NOTCHED LEFTWARDS ARROW	PS style name is 'k6'
3186		<u>2BDD</u>		NOTCHED RIGHTWARDS ARROW → 27AF ⇔ notched lower right-shadowed white rightwards arrow	
3187		<u>2BDE</u>		NOTCHED UPWARDS ARROW	
3188		<u>2BDF</u>		NOTCHED DOWNWARDS ARROW	

Simple arrows various styles






















ID	glyph	UCS	glyph	Name	Comments
3189		<u>1F844</u>		LEFTWARDS ARROW L7	PS style name is 'l7'
3190		<u>1F845</u>		RIGHTWARDS ARROW L7	
3191		<u>1F846</u>		UPWARDS ARROW L7	
3192		<u>1F847</u>		DOWNWARDS ARROW L7	
3193		<u>1F848</u>		LEFTWARDS ARROW M9	PS style name is 'm9'
3194		<u>1F849</u>		RIGHTWARDS ARROW M9 → 27A7 ⇨ squat black rightwards arrow	Different size
3195		<u>1F84A</u>		UPWARDS ARROW M9	
3196		<u>1F84B</u>		DOWNWARDS ARROW M9	
3197		<u>1F84C</u>		LEFTWARDS ARROW N7	PS style name is 'n7'
3198		<u>1F84D</u>		RIGHTWARDS ARROW N7	
3199		<u>1F84E</u>		UPWARDS ARROW N7	
3200		<u>1F84F</u>		DOWNWARDS ARROW N7	





Black curved arrows

ID	glyph	UCS	glyph	Name	Comments
3201		<u>2B7E</u>		BLACK CURVED DOWNWARDS AND LEFTWARDS ARROW	
3202		<u>2B7F</u>		BLACK CURVED DOWNWARDS AND RIGHTWARDS ARROW → 27A5 ⇩ heavy black curved downwards and rightwards arrow	









ID	glyph	UCS	glyph	Name	Comments
3203		<u>2B80</u>		BLACK CURVED UPWARDS AND LEFTWARDS ARROW	
3204		<u>2B81</u>		BLACK CURVED UPWARDS AND RIGHTWARDS ARROW → 27A6 ➡ heavy black curved upwards and rightwards arrow	
3205		<u>2B82</u>		BLACK CURVED LEFTWARDS AND UPWARDS ARROW	
3206		<u>2B83</u>		BLACK CURVED RIGHTWARDS AND UPWARDS ARROW	
3207		<u>2B84</u>		BLACK CURVED LEFTWARDS AND DOWNWARDS ARROW	
3208		<u>2B85</u>		BLACK CURVED RIGHTWARDS AND DOWNWARDS ARROW	

Wide-headed simple arrows various styles

ID	glyph	UCS	glyph	Name	Comments
3209		<u>1F850</u>		WIDE-HEADED LEFTWARDS ARROW 1	PS style name is 'barb1'
3210		<u>1F851</u>		WIDE-HEADED RIGHTWARDS ARROW 1	
3211		<u>1F852</u>		WIDE-HEADED UPWARDS ARROW 1	
3212		<u>1F853</u>		WIDE-HEADED DOWNWARDS ARROW 1	
3213		<u>1F854</u>		WIDE-HEADED NORTH WEST ARROW 1	
3214		<u>1F855</u>		WIDE-HEADED NORTH EAST ARROW 1	
3215		<u>1F856</u>		WIDE-HEADED SOUTH WEST ARROW 1	
3216		<u>1F857</u>		WIDE-HEADED SOUTH EAST ARROW 1	
3217		<u>1F860</u>		WIDE-HEADED LEFTWARDS ARROW 3	PS style name is 'barb1'
3218		<u>1F861</u>		WIDE-HEADED RIGHTWARDS ARROW 3 → 2794 ➡ heavy wide-headed rightwards arrow	
3219		<u>1F862</u>		WIDE-HEADED UPWARDS ARROW 3	
3220		<u>1F863</u>		WIDE-HEADED DOWNWARDS ARROW 3	
3221		<u>1F864</u>		WIDE-HEADED NORTH WEST ARROW 3	
3222		<u>1F865</u>		WIDE-HEADED NORTH EAST ARROW 3	
3223		<u>1F866</u>		WIDE-HEADED SOUTH WEST ARROW 3	
3224		<u>1F867</u>		WIDE-HEADED SOUTH EAST ARROW 3	
3225		<u>1F870</u>		WIDE-HEADED LEFTWARDS ARROW 5	PS style name is 'barb5'
3226		<u>1F871</u>		WIDE-HEADED RIGHTWARDS ARROW 5	
3227		<u>1F872</u>		WIDE-HEADED UPWARDS ARROW 5	
3228		<u>1F873</u>		WIDE-HEADED DOWNWARDS ARROW 5	

ID	glyph	UCS	glyph	Name	Comments
3229		<u>1F874</u>		WIDE-HEADED NORTH WEST ARROW 5	
3230		<u>1F875</u>		WIDE-HEADED NORTH EAST ARROW 5	
3231		<u>1F876</u>		WIDE-HEADED SOUTH WEST ARROW 5	
3232		<u>1F877</u>		WIDE-HEADED SOUTH EAST ARROW 5	

Arrowheads

ID	glyph	UCS	glyph	Name	Comments
3233		<u>2BE0</u>		TRIANGLE ARROWHEAD LEFTWARDS = draw left	Names from PS names
3234		<u>2BE1</u>		TRIANGLE ARROWHEAD RIGHTWARDS = draw right	
3235		<u>2BE2</u>		TRIANGLE ARROWHEAD UPWARDS = draw up	
3236		<u>2BE3</u>		TRIANGLE ARROWHEAD DOWNWARDS = draw down	
3237		<u>2BE4</u>		LEFTWARDS WHITE ARROW WITHIN TRIANGLE ARROWHEAD = draw double left	
3238		<u>2BE5</u>		RIGHTWARDS WHITE ARROW WITHIN TRIANGLE ARROWHEAD = draw double right	
3239		<u>2BE6</u>		UPWARDS WHITE ARROW WITHIN TRIANGLE ARROWHEAD = draw double up	
3240		<u>2BE7</u>		DOWNWARDS WHITE ARROW WITHIN TRIANGLE ARROWHEAD = draw double down	

Unicode Character properties

All characters with few exceptions have characters properties as such:

```
xxxx;yyy' ;So;ON;;;N;;;
```

with 'xxxx' being the character code point and 'yyyy' being the character name. For example:

```
23F4;BLACK MEDIUM LEFT-POINTING TRIANGLE;So;ON;;;N;;;
23F5;BLACK MEDIUM RIGHT-POINTING TRIANGLE;So;ON;;;N;;;
23F6;BLACK MEDIUM UP-POINTING TRIANGLE;So;ON;;;N;;;
```

Therefore the full data set can be constructed using the proposed code points and names provided in the rest of this document. The only exceptions are the two following proposed characters with properties as follows:

```
1F10B;CIRCLED SANS-SERIF DIGIT ZERO;No;0;EN;<circle>
0030;;0;0;N;;;
1F10C;NEGATIVE CIRCLED SANS SERIF DIGIT ZERO; No;0;EN;<circle>
0030;;0;0;N;;;
```

Note that these two proposed characters have compatibility decomposition unlike the rest of the series encoded in the Dingbat blocks. This was done to harmonize with other characters encoded in the same block (1F100-1F1FF). If the harmonization goes the opposite way (with the Dingbat block), these decomposition should be removed, and the properties modified accordingly.

A full list will be provided by the author as appropriate, generated automatically based from the names list used in the charts.

Line breaking property

All proposed characters have the line breaking property value 'AL'.

Ordering

All new characters would be ordered either following their normalized equivalent for the DIGIT ZERO for the two new characters mentioned above, or according to other symbols for all other characters.

Confusability

None of these symbols should be used in context where confusability is a concern. For example, they should not be allowed in Internationalized Domain Names (IDN). Some of these characters are similar in shapes to already encoded symbols.

**ISO/IEC JTC 1/SC 2/WG 2
PROPOSAL SUMMARY FORM TO ACCOMPANY SUBMISSIONS
FOR ADDITIONS TO THE REPERTOIRE OF ISO/IEC 10646¹**

Please fill all the sections A, B and C below.

Please read Principles and Procedures Document (P & P) from <http://www.dkuug.dk/JTC1/SC2/WG2/docs/principles.html> for guidelines and details before filling this form.

Please ensure you are using the latest Form from <http://www.dkuug.dk/JTC1/SC2/WG2/docs/summaryform.html>.

See also <http://www.dkuug.dk/JTC1/SC2/WG2/docs/roadmaps.html> for latest Roadmaps.

A. Administrative

1. Title:	<i>Proposal for encoding Wingdings</i>
2. Requester's name:	<i>Michel Suignard</i>
3. Requester type (Member body/Liaison/Individual contribution):	<i>Individual contribution</i>
4. Submission date:	<i>5/3/2011</i>
5. Requester's reference (if applicable):	
6. Choose one of the following:	
This is a complete proposal:	<input checked="" type="checkbox"/> Yes
(or) More information will be provided later:	<input type="checkbox"/> No

B. Technical – General

1. Choose one of the following:			
a. This proposal is for a new script (set of characters):			<input type="checkbox"/> No
Proposed name of script:			
b. The proposal is for addition of character(s) to an existing block:			<input checked="" type="checkbox"/> Yes
Name of the existing block:		<i>Many, see proposal</i>	
2. Number of characters in proposal:			<i>667</i>
3. Proposed category (select one from below - see section 2.2 of P&P document):			
A-Contemporary	<input type="checkbox"/>	B.1-Specialized (small collection)	<input type="checkbox"/>
C-Major extinct	<input type="checkbox"/>	D-Attested extinct	<input type="checkbox"/>
F-Archaic Hieroglyphic or Ideographic	<input type="checkbox"/>	G-Obscure or questionable usage symbols	<input type="checkbox"/>
B.2-Specialized (large collection)	<input checked="" type="checkbox"/>	E-Minor extinct	<input type="checkbox"/>
4. Is a repertoire including character names provided?			
a. If YES, are the names in accordance with the “character naming guidelines” in Annex L of P&P document?			<input checked="" type="checkbox"/> Yes
b. Are the character shapes attached in a legible form suitable for review?			<input checked="" type="checkbox"/> Yes
5. Who will provide the appropriate computerized font (ordered preference: True Type, or PostScript format) for publishing the standard?			
If available now, identify source(s) for the font (include address, e-mail, ftp-site, etc.) and indicate the tools used:		<i>Author</i>	
6. References:			
a. Are references (to other character sets, dictionaries, descriptive texts etc.) provided?			<input checked="" type="checkbox"/> Yes
b. Are published examples of use (such as samples from newspapers, magazines, or other sources) of proposed characters attached?		<i>No, but indirect reference provided</i>	
7. Special encoding issues:			
Does the proposal address other aspects of character data processing (if applicable) such as input, presentation, sorting, searching, indexing, transliteration etc. (if yes please enclose information)?			<i>TBD</i>

















































































































8. Additional Information:

Submitters are invited to provide any additional information about Properties of the proposed Character(s) or Script that will assist in correct understanding of and correct linguistic processing of the proposed character(s) or script. Examples of such properties are: Casing information, Numeric information, Currency information, Display behaviour information such as line breaks, widths etc., Combining behaviour, Spacing behaviour, Directional behaviour, Default Collation behaviour, relevance in Mark Up contexts, Compatibility equivalence and other Unicode normalization related information. See the Unicode standard at <http://www.unicode.org> for such information on other scripts. Also see <http://www.unicode.org/Public/UNIDATA/UCD.html> and associated Unicode Technical Reports for information needed for consideration by the Unicode Technical Committee for inclusion in the Unicode Standard.

¹ Form number: N3102-F (Original 1994-10-14; Revised 1995-01, 1995-04, 1996-04, 1996-08, 1999-03, 2001-05, 2001-09, 2003-11, 2005-01, 2005-09, 2005-10, 2007-03)

























C. Technical - Justification

1. Has this proposal for addition of character(s) been submitted before? If YES explain	<i>No</i>
2. Has contact been made to members of the user community (for example: National Body, user groups of the script or characters, other experts, etc.)? If YES, with whom? If YES, available relevant documents:	<i>Yes</i> <i>Unicode Technical Committee</i> <i>L2/011-52R</i>
3. Information on the user community for the proposed characters (for example: size, demographics, information technology use, or publishing use) is included? Reference:	<i>Worldwide</i>
4. The context of use for the proposed characters (type of use; common or rare) Reference:	<i>common</i> <i>In the context of Microsoft Windows and Apple MacOS</i>
5. Are the proposed characters in current use by the user community? If YES, where? Reference:	<i>Yes</i> <i>Worldwide</i>
6. After giving due considerations to the principles in the P&P document must the proposed characters be entirely in the BMP? If YES, is a rationale provided? If YES, reference:	<i>No</i>
7. Should the proposed characters be kept together in a contiguous range (rather than being scattered)?	<i>No</i>
8. Can any of the proposed characters be considered a presentation form of an existing character or character sequence? If YES, is a rationale for its inclusion provided? If YES, reference:	<i>No</i>
9. Can any of the proposed characters be encoded using a composed character sequence of either existing characters or other proposed characters? If YES, is a rationale for its inclusion provided? If YES, reference:	<i>No</i> <i>Yes</i> <i>This document</i>
10. Can any of the proposed character(s) be considered to be similar (in appearance or function) to an existing character? If YES, is a rationale for its inclusion provided? If YES, reference:	<i>Yes</i> <i>Yes</i> <i>In proposal</i>
11. Does the proposal include use of combining characters and/or use of composite sequences? If YES, is a rationale for such use provided? If YES, reference: Is a list of composite sequences and their corresponding glyph images (graphic symbols) provided? If YES, reference:	<i>No</i>
12. Does the proposal contain characters with any special properties such as control function or similar semantics? If YES, describe in detail (include attachment if necessary)	<i>No</i>
13. Does the proposal contain any Ideographic compatibility character(s)? If YES, is the equivalent corresponding unified ideographic character(s) identified? If YES, reference:	<i>No</i>





	200	201	202	203	204	205	206
0	 2000	 2010	 2020	 2030	 2040	 2050	 2060
1	 2001	 2011	 2021	 2031	 2041	 2051	 2061
2	 2002	 2012	 2022	 2032	 2042	 2052	 2062
3	 2003	 2013	 2023	 2033	 2043	 2053	 2063
4	 2004	 2014	 2024	 2034	 2044	 2054	 2064
5	 2005	 2015	 2025	 2035	 2045	 2055	 2065
6	 2006	 2016	 2026	 2036	 2046	 2056	 2066
7	 2007	 2017	 2027	 2037	 2047	 2057	 2067
8	 2008	 2018	 2028	 2038	 2048	 2058	 2068
9	 2009	 2019	 2029	 2039	 2049	 2059	 2069
A	 200A	 201A	 202A	 203A	 204A	 205A	 206A
B	 200B	 201B	 202B	 203B	 204B	 205B	 206B
C	 200C	 201C	 202C	 203C	 204C	 205C	 206C
D	 200D	 201D	 202D	 203D	 204D	 205D	 206D
E	 200E	 201E	 202E	 203E	 204E	 205E	 206E
F	 200F	 201F	 202F	 203F	 204F	 205F	 206F

For additional general punctuation characters see also *Basic Latin, Latin-1, Supplemental Punctuation and CJK Symbols and Punctuation*.




Spaces

- 2000  EN QUAD
≡ 2002  en space
- 2001  EM QUAD
= mutton quad
≡ 2003  em space
- 2002  EN SPACE
= nut
• half an em
≈ 0020  space
- 2003  EM SPACE
= mutton
• nominally, a space equal to the type size in points
• may scale by the condensation factor of a font
≈ 0020  space
- 2004  THREE-PER-EM SPACE
= thick space
≈ 0020  space
- 2005  FOUR-PER-EM SPACE
= mid space
≈ 0020  space
- 2006  SIX-PER-EM SPACE
• in computer typography sometimes equated to thin space
≈ 0020  space
- 2007  FIGURE SPACE
• space equal to tabular width of a font
• this is equivalent to the digit width of fonts with fixed-width digits
≈ `<noBreak>` 0020 
- 2008  PUNCTUATION SPACE
• space equal to narrow punctuation of a font
≈ 0020  space
- 2009  THIN SPACE
• a fifth of an em (or sometimes a sixth)
→ 202F  narrow no-break space
≈ 0020  space
- 200A  HAIR SPACE
• thinner than a thin space
• in traditional typography, the thinnest space available
≈ 0020  space
- 200B  ZERO WIDTH SPACE
• commonly abbreviated ZWSP
• this character is intended for invisible word separation and for line break control; it has no width, but its presence between two characters does not prevent increased letter spacing in justification


Format characters

- 200C  ZERO WIDTH NON-JOINER
• commonly abbreviated ZWNJ
- 200D  ZERO WIDTH JOINER
• commonly abbreviated ZWJ
- 200E  LEFT-TO-RIGHT MARK
• commonly abbreviated LRM
- 200F  RIGHT-TO-LEFT MARK
• commonly abbreviated RLM

Dashes








- 2010 - HYPHEN
→ 002D - hyphen-minus
→ 00AD  soft hyphen
- 2011  NON-BREAKING HYPHEN
→ 002D - hyphen-minus
→ 00AD  soft hyphen
≈ `<noBreak>` 2010 -
- 2012 — FIGURE DASH
- 2013 — EN DASH
- 2014 — EM DASH
• may be used in pairs to offset parenthetical text
→ 30FC — katakana-hiragana prolonged sound mark
- 2015 — HORIZONTAL BAR
= quotation dash
• long dash introducing quoted text






General punctuation

- 2016 || DOUBLE VERTICAL LINE
• used in pairs to indicate norm of a matrix
→ 20E6 ◯‖ combining double vertical stroke overlay
→ 2225 || parallel to
- 2017 = DOUBLE LOW LINE
• this is a spacing character
→ 005F _ low line
→ 0333 ◯ combining double low line
≈ 0020  0333 ◯
- 2018 ‘ LEFT SINGLE QUOTATION MARK
= single turned comma quotation mark
• this is the preferred character (as opposed to 201B ‘)
→ 0027 ' apostrophe
→ 02BB ‘ modifier letter turned comma
→ 275B ‘ heavy single turned comma quotation mark ornament
- 2019 ’ RIGHT SINGLE QUOTATION MARK
= single comma quotation mark
• this is the preferred character to use for apostrophe
→ 0027 ' apostrophe
→ 02BC ’ modifier letter apostrophe
→ 275C ’ heavy single comma quotation mark ornament
- 201A ‚ SINGLE LOW-9 QUOTATION MARK
= low single comma quotation mark
• used as opening single quotation mark in some languages
- 201B ‘ SINGLE HIGH-REVERSED-9 QUOTATION MARK
= single reversed comma quotation mark
• has same semantic as 2018 ‘, but differs in appearance
→ 02BD ‘ modifier letter reversed comma
- 201C “ LEFT DOUBLE QUOTATION MARK
= double turned comma quotation mark
• this is the preferred character (as opposed to 201F “)
→ 0022 " quotation mark
→ 275D “ heavy double turned comma quotation mark ornament
→ 301D “ reversed double prime quotation mark

- 201D ” **RIGHT DOUBLE QUOTATION MARK**
= double comma quotation mark
→ 0022 " quotation mark
→ 2033 ” double prime
→ 275E ” heavy double comma quotation mark ornament
→ 301E ” double prime quotation mark
- 201E „ **DOUBLE LOW-9 QUOTATION MARK**
= low double comma quotation mark
• used as opening double quotation mark in some languages
→ 301F „ low double prime quotation mark
- 201F “ **DOUBLE HIGH-REVERSED-9 QUOTATION MARK**
= double reversed comma quotation mark
• has same semantic as 201C “, but differs in appearance
- 2020 † **DAGGER**
= obelisk, obelus, long cross
- 2021 ‡ **DOUBLE DAGGER**
= diesis, double obelisk
- 2022 • **BULLET**
= black small circle
→ 00B7 • middle dot
→ 2024 . one dot leader
→ 2219 • bullet operator
→ 25D8 ◻ inverse bullet
→ 25E6 ◦ white bullet
- 2023 ▶ **TRIANGULAR BULLET**
→ 220E ■ end of proof
→ 25B8 ▶ black right-pointing small triangle
- 2024 . **ONE DOT LEADER**
• also used as an Armenian semicolon (mijaket)
→ 00B7 • middle dot
→ 2022 • bullet
→ 2219 • bullet operator
≈ 002E . full stop
- 2025 .. **TWO DOT LEADER**
≈ 002E . 002E .
- 2026 ... **HORIZONTAL ELLIPSIS**
= three dot leader
→ 22EE ∴ vertical ellipsis
→ FE19 ∴ presentation form for vertical horizontal ellipsis
≈ 002E . 002E . 002E .
- 2027 - **HYPHENATION POINT**
• visible symbol used to indicate correct positions for word breaking, as in dictionaries

Format characters

- 2028  **LINE SEPARATOR**
• may be used to represent this semantic unambiguously
- 2029  **PARAGRAPH SEPARATOR**
• may be used to represent this semantic unambiguously
- 202A  **LEFT-TO-RIGHT EMBEDDING**
• commonly abbreviated LRE
- 202B  **RIGHT-TO-LEFT EMBEDDING**
• commonly abbreviated RLE
- 202C  **POP DIRECTIONAL FORMATTING**
• commonly abbreviated PDF
- 202D  **LEFT-TO-RIGHT OVERRIDE**
• commonly abbreviated LRO
- 202E  **RIGHT-TO-LEFT OVERRIDE**
• commonly abbreviated RLO

- 202F  **NARROW NO-BREAK SPACE**
• commonly abbreviated NNBS
• a narrow form of a no-break space, typically the width of a thin space or a mid space
→ 00A0  no-break space
→ 2005  four-per-em space
→ 2009  thin space
≈ <noBreak> 0020 

General punctuation

- 2030 ‰ **PER MILLE SIGN**
= permille, per thousand
• used, for example, in measures of blood alcohol content, salinity, etc.
→ 0025 ‰ percent sign
→ 0609 ‰ arabic-indic per mille sign
- 2031 ‰ **PER TEN THOUSAND SIGN**
= permyriad
• percent of a percent, rarely used
→ 0025 ‰ percent sign
→ 060A ‰ arabic-indic per ten thousand sign
- 2032 ′ **PRIME**
= minutes, feet
→ 0027 ′ apostrophe
→ 00B4 ´ acute accent
→ 02B9 ´ modifier letter prime
- 2033 ″ **DOUBLE PRIME**
= seconds, inches
→ 0022 ″ quotation mark
→ 02BA ″ modifier letter double prime
→ 201D ″ right double quotation mark
→ 3003 ″ ditto mark
→ 301E ″ double prime quotation mark
≈ 2032 ′ 2032 ′
- 2034 ‴ **TRIPLE PRIME**
= lines (old measure, 1/12 of an inch)
≈ 2032 ′ 2032 ′ 2032 ′
- 2035 ` **REVERSED PRIME**
→ 0060 ` grave accent
- 2036 ′ **REVERSED DOUBLE PRIME**
→ 301D ′ reversed double prime quotation mark
≈ 2035 ` 2035 `
- 2037 ‴ **REVERSED TRIPLE PRIME**
≈ 2035 ` 2035 ` 2035 `
- 2038 ^ **CARET**
→ 2303 ^ up arrowhead
→ A788 ^ modifier letter low circumflex accent
- 2039 ‹ **SINGLE LEFT-POINTING ANGLE QUOTATION MARK**
= left pointing single guillemet
• usually opening, sometimes closing
→ 003C ‹ less-than sign
→ 2329 ‹ left-pointing angle bracket
→ 3008 ‹ left angle bracket
- 203A › **SINGLE RIGHT-POINTING ANGLE QUOTATION MARK**
= right pointing single guillemet
• usually closing, sometimes opening
→ 003E › greater-than sign
→ 232A › right-pointing angle bracket
→ 3009 › right angle bracket

203B ✕ **REFERENCE MARK**
 = Japanese kome
 = Urdu paragraph separator
 → 0FBF ✕ tibetan ku ru kha bzhi mig can
 → 200AD ✕ cjk unified ideograph-200AD

Double punctuation for vertical text

203C !! **DOUBLE EXCLAMATION MARK**
 → 0021 ! exclamation mark
 ≈ 0021 ! 0021 !

General punctuation

203D ? **INTERROBANG**
 → 0021 ! exclamation mark
 → 003F ? question mark
 → 2E18 ¡ inverted interrobang

203E ‾ **OVERLINE**
 = spacing overscore
 ≈ 0020 ^{sp} 0305 ◌

203F ‿ **UNDERTIE**
 = Greek enotikon
 → 2323 ~ smile

2040 ⁀ **CHARACTER TIE**
 = z notation sequence concatenation
 → 2322 ~ frown

2041 ⁘ **CARET INSERTION POINT**
 • proofreader's mark: insert here
 → 22CC ⁘ right semidirect product

2042 ✖ **ASTERISM**

2043 ▬ **HYPHEN BULLET**

2044 / **FRACTION SLASH**
 = solidus (in typography)
 • for composing arbitrary fractions
 → 002F / solidus
 → 2215 / division slash

2045 [**LEFT SQUARE BRACKET WITH QUILL**

2046] **RIGHT SQUARE BRACKET WITH QUILL**

Double punctuation for vertical text

2047 ?? **DOUBLE QUESTION MARK**
 ≈ 003F ? 003F ?

2048 ?! **QUESTION EXCLAMATION MARK**
 ≈ 003F ? 0021 !

2049 !? **EXCLAMATION QUESTION MARK**
 ≈ 0021 ! 003F ?

General punctuation

204A Ɂ **TIRONIAN SIGN ET**
 • Irish Gaelic, Old English, ...
 → 0026 & ampersand

204B Ƀ **REVERSED PILCROW SIGN**
 → 00B6 ¶ pilcrow sign

204C ◀ **BLACK LEFTWARDS BULLET**

204D ▶ **BLACK RIGHTWARDS BULLET**

204E * **LOW ASTERISK**
 → 002A * asterisk
 → 0359 ◌ combining asterisk below

204F ; **REVERSED SEMICOLON**
 → 003B ; semicolon

2050 ☹ **CLOSE UP**

2051 ✖ **TWO ASTERISKS ALIGNED VERTICALLY**

2052 ⁄ **COMMERCIAL MINUS SIGN**
 = abzüglich (German), med avdrag av (Swedish), piska (Swedish, "whip")
 • a common glyph variant and fallback representation looks like ./.

• may also be used as a dingbat to indicate correctness
 • used in Finno-Ugric Phonetic Alphabet to indicate a related borrowed form with different sound
 → 0025 % percent sign
 → 066A ⁄ arabic percent sign

2053 ~ **SWUNG DASH**
 → 007E ~ tilde

2054 ‿ **INVERTED UNDERTIE**

2055 * **FLOWER PUNCTUATION MARK**
 = phul, puspika
 • used as a punctuation mark with Syloti Nagri, Bengali and other Indic scripts
 → 274B * heavy eight teardrop-spoked propeller asterisk

Archaic punctuation

2056 ∴ **THREE DOT PUNCTUATION**

General punctuation

2057 ⁝ **QUADRUPLE PRIME**
 ≈ 2032 ' 2032 ' 2032 ' 2032 '

Archaic punctuation

2058 ∷ **FOUR DOT PUNCTUATION**

2059 ∴ **FIVE DOT PUNCTUATION**
 = Greek pentonkion
 = quincunx
 → 2684 ☒ die face-5

205A ∴ **TWO DOT PUNCTUATION**

• historically used to indicate the end of a sentence or change of speaker
 • extends from baseline to cap height
 → FE30 ∴ presentation form for vertical two dot leader
 → 1015B ∴ greek acrophonic epidaurean two

205B ∴ **FOUR DOT MARK**

• used by scribes in the margin as highlighter mark
 • this is centered on the line, but extends beyond top and bottom of the line

205C ∴ **DOTTED CROSS**

• used by scribes in the margin as highlighter mark

205D ∴ **TRICOLON**

= Epidaurean acrophonic symbol three
 → 22EE ∴ vertical ellipsis
 → 2AF6 ∴ triple colon operator
 → FE19 ∴ presentation form for vertical horizontal ellipsis

205E ∴ **VERTICAL FOUR DOTS**



• used in dictionaries to indicate legal but undesirable word break
 • glyph extends the whole height of the line

Space





205F ^{MM}_{SP} **MEDIUM MATHEMATICAL SPACE**

• abbreviated MMSp
 • four-eighths of an em
 ≈ 0020 ^{sp} space

Format character







- 2060  WORD JOINER
- commonly abbreviated WJ
 - a zero width non-breaking space (only)
 - intended for disambiguation of functions for byte order mark
- FEFF  zero width no-break space

















































































































Invisible operators

- 2061  FUNCTION APPLICATION
- contiguity operator indicating application of a function
- 2062  INVISIBLE TIMES
- contiguity operator indicating multiplication
- 2063  INVISIBLE SEPARATOR
- = invisible comma
- contiguity operator indicating that adjacent mathematical symbols form a list, e.g. when no visible comma is used between multiple indices
- 2064  INVISIBLE PLUS
- contiguity operator indicating addition

Deprecated

Use of these characters is strongly discouraged.

- 206A  INHIBIT SYMMETRIC SWAPPING
- 206B  ACTIVATE SYMMETRIC SWAPPING
- 206C  INHIBIT ARABIC FORM SHAPING
- 206D  ACTIVATE ARABIC FORM SHAPING
- 206E  NATIONAL DIGIT SHAPES
- 206F  NOMINAL DIGIT SHAPES

	219	21A	21B	21C	21D	21E	21F
0	 2190	 21A0	 21B0	 21C0	 21D0	 21E0	 21F0
1	 2191	 21A1	 21B1	 21C1	 21D1	 21E1	 21F1
2	 2192	 21A2	 21B2	 21C2	 21D2	 21E2	 21F2
3	 2193	 21A3	 21B3	 21C3	 21D3	 21E3	 21F3
4	 2194	 21A4	 21B4	 21C4	 21D4	 21E4	 21F4
5	 2195	 21A5	 21B5	 21C5	 21D5	 21E5	 21F5
6	 2196	 21A6	 21B6	 21C6	 21D6	 21E6	 21F6
7	 2197	 21A7	 21B7	 21C7	 21D7	 21E7	 21F7
8	 2198	 21A8	 21B8	 21C8	 21D8	 21E8	 21F8
9	 2199	 21A9	 21B9	 21C9	 21D9	 21E9	 21F9
A	 219A	 21AA	 21BA	 21CA	 21DA	 21EA	 21FA
B	 219B	 21AB	 21BB	 21CB	 21DB	 21EB	 21FB
C	 219C	 21AC	 21BC	 21CC	 21DC	 21EC	 21FC
D	 219D	 21AD	 21BD	 21CD	 21DD	 21ED	 21FD
E	 219E	 21AE	 21BE	 21CE	 21DE	 21EE	 21FE
F	 219F	 21AF	 21BF	 21CF	 21DF	 21EF	 21FF

Simple arrows

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

Arrows with modifications

219A	↔	LEFTWARDS ARROW WITH STROKE	• negation of 2190 ← ≡ 2190 ← 0338 ⚡
219B	↔	RIGHTWARDS ARROW WITH STROKE	• negation of 2192 → ≡ 2192 → 0338 ⚡
219C	↔	LEFTWARDS WAVE ARROW	→ 2B3F ← wave arrow pointing directly left
219D	↔	RIGHTWARDS WAVE ARROW	
219E	↔	LEFTWARDS TWO HEADED ARROW	= fast cursor left
219F	↔	UPWARDS TWO HEADED ARROW	= fast cursor up
21A0	↔	RIGHTWARDS TWO HEADED ARROW	= z notation total surjection = fast cursor right
21A1	↔	DOWNWARDS TWO HEADED ARROW	= form feed = fast cursor down
21A2	↔	LEFTWARDS ARROW WITH TAIL	
21A3	↔	RIGHTWARDS ARROW WITH TAIL	= z notation total injection
21A4	↔	LEFTWARDS ARROW FROM BAR	
21A5	↔	UPWARDS ARROW FROM BAR	
21A6	↔	RIGHTWARDS ARROW FROM BAR	= z notation maplet
21A7	↔	DOWNWARDS ARROW FROM BAR	= depth symbol
21A8	↔	UP DOWN ARROW WITH BASE	
21A9	↔	LEFTWARDS ARROW WITH HOOK	
21AA	↔	RIGHTWARDS ARROW WITH HOOK	
21AB	↔	LEFTWARDS ARROW WITH LOOP	
21AC	↔	RIGHTWARDS ARROW WITH LOOP	
21AD	↔	LEFT RIGHT WAVE ARROW	
21AE	↔	LEFT RIGHT ARROW WITH STROKE	• negation of 2194 ↔ ≡ 2194 ↔ 0338 ⚡
21AF	↔	DOWNWARDS ZIGZAG ARROW	= electrolysis

Arrows with bent tips

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

21B0	↔	UPWARDS ARROW WITH TIP LEFTWARDS	
21B1	↔	UPWARDS ARROW WITH TIP RIGHTWARDS	
21B2	↔	DOWNWARDS ARROW WITH TIP LEFTWARDS	

21B3	↔	DOWNWARDS ARROW WITH TIP RIGHTWARDS	
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Keyboard symbols and circle arrows

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

Harpoons

21BC	↔	LEFTWARDS HARPOON WITH BARB UPWARDS	
21BD	↔	LEFTWARDS HARPOON WITH BARB DOWNWARDS	
21BE	↔	UPWARDS HARPOON WITH BARB RIGHTWARDS	
21BF	↔	UPWARDS HARPOON WITH BARB LEFTWARDS	
21C0	↔	RIGHTWARDS HARPOON WITH BARB UPWARDS	
21C1	↔	RIGHTWARDS HARPOON WITH BARB DOWNWARDS	
21C2	↔	DOWNWARDS HARPOON WITH BARB RIGHTWARDS	
21C3	↔	DOWNWARDS HARPOON WITH BARB LEFTWARDS	

Paired arrows and harpoons

21C4	↔	RIGHTWARDS ARROW OVER LEFTWARDS ARROW	
21C5	↔	UPWARDS ARROW LEFTWARDS OF DOWNWARDS ARROW	
21C6	↔	LEFTWARDS ARROW OVER RIGHTWARDS ARROW	
21C7	↔	LEFTWARDS PAIRED ARROWS	
21C8	↔	UPWARDS PAIRED ARROWS	
21C9	↔	RIGHTWARDS PAIRED ARROWS	
21CA	↔	DOWNWARDS PAIRED ARROWS	
21CB	↔	LEFTWARDS HARPOON OVER RIGHTWARDS HARPOON	
21CC	↔	RIGHTWARDS HARPOON OVER LEFTWARDS HARPOON	

Double arrows

21CD	↔	LEFTWARDS DOUBLE ARROW WITH STROKE	• negation of 21D0 ⇌ ≡ 21D0 ⇌ 0338 ⚡
21CE	↔	LEFT RIGHT DOUBLE ARROW WITH STROKE	• negation of 21D4 ⇌ ≡ 21D4 ⇌ 0338 ⚡
21CF	↔	RIGHTWARDS DOUBLE ARROW WITH STROKE	• negation of 21D2 ⇌ ≡ 21D2 ⇌ 0338 ⚡
21D0	⇌	LEFTWARDS DOUBLE ARROW	
21D1	⇌	UPWARDS DOUBLE ARROW	
21D2	⇌	RIGHTWARDS DOUBLE ARROW	
21D3	⇌	DOWNWARDS DOUBLE ARROW	

21D4 ⇌ LEFT RIGHT DOUBLE ARROW
 21D5 ⇕ UP DOWN DOUBLE ARROW
 21D6 ↖ NORTH WEST DOUBLE ARROW
 21D7 ↗ NORTH EAST DOUBLE ARROW
 21D8 ↘ SOUTH EAST DOUBLE ARROW
 21D9 ↙ SOUTH WEST DOUBLE ARROW

Miscellaneous arrows and keyboard symbols

21DA ⇐ LEFTWARDS TRIPLE ARROW
 21DB ⇒ RIGHTWARDS TRIPLE ARROW
 21DC ⇐ LEFTWARDS SQUIGGLE ARROW
 → 2B33 ⇐ long leftwards squiggle arrow
 21DD ⇐ RIGHTWARDS SQUIGGLE ARROW
 21DE † UPWARDS ARROW WITH DOUBLE STROKE
 = page up
 21DF ‡ DOWNWARDS ARROW WITH DOUBLE STROKE
 = page down
 21E0 ⇐ LEFTWARDS DASHED ARROW
 21E1 † UPWARDS DASHED ARROW
 21E2 ⇐ RIGHTWARDS DASHED ARROW
 21E3 ‡ DOWNWARDS DASHED ARROW
 21E4 ← LEFTWARDS ARROW TO BAR
 = leftward tab
 21E5 → RIGHTWARDS ARROW TO BAR
 = rightward tab

White arrows

21E6 ⇐ LEFTWARDS WHITE ARROW
 → 2B00 ↗ north east white arrow
 21E7 ⇐ UPWARDS WHITE ARROW
 = shift
 = level 2 select (ISO 9995-7)
 21E8 ⇐ RIGHTWARDS WHITE ARROW
 = group select (ISO 9995-7)
 21E9 ⇐ DOWNWARDS WHITE ARROW
 21EA ⇐ UPWARDS WHITE ARROW FROM BAR
 = caps lock

Keyboard symbols from ISO 9995-7

21EB ⇐ UPWARDS WHITE ARROW ON PEDESTAL
 = level 2 lock
 21EC ⇐ UPWARDS WHITE ARROW ON PEDESTAL WITH
 HORIZONTAL BAR
 = capitals (caps) lock
 21ED ⇐ UPWARDS WHITE ARROW ON PEDESTAL WITH
 VERTICAL BAR
 = numeric lock
 21EE ⇐ UPWARDS WHITE DOUBLE ARROW
 = level 3 select
 21EF ⇐ UPWARDS WHITE DOUBLE ARROW ON
 PEDESTAL
 = level 3 lock
 21F0 ⇐ RIGHTWARDS WHITE ARROW FROM WALL
 = group lock
 21F1 ↖ NORTH WEST ARROW TO CORNER
 = home
 21F2 ↘ SOUTH EAST ARROW TO CORNER
 = end
 21F3 ⇐ UP DOWN WHITE ARROW
 = scrolling
 → 2B04 ⇐ left right white arrow

Miscellaneous arrows

21F4 ⇐ RIGHT ARROW WITH SMALL CIRCLE
 → 2B30 ⇐ left arrow with small circle

21F5 ⇐ DOWNWARDS ARROW LEFTWARDS OF
 UPWARDS ARROW
 21F6 ⇐ THREE RIGHTWARDS ARROWS
 → 2B31 ⇐ three leftwards arrows
 21F7 ⇐ LEFTWARDS ARROW WITH VERTICAL STROKE
 21F8 ⇐ RIGHTWARDS ARROW WITH VERTICAL STROKE
 = z notation partial function
 21F9 ⇐ LEFT RIGHT ARROW WITH VERTICAL STROKE
 = z notation partial relation
 21FA ⇐ LEFTWARDS ARROW WITH DOUBLE VERTICAL
 STROKE
 21FB ⇐ RIGHTWARDS ARROW WITH DOUBLE VERTICAL
 STROKE
 = z notation finite function
 21FC ⇐ LEFT RIGHT ARROW WITH DOUBLE VERTICAL
 STROKE
 = z notation finite relation
 21FD ⇐ LEFTWARDS OPEN-HEADED ARROW
 21FE → RIGHTWARDS OPEN-HEADED ARROW
 21FF ⇐ LEFT RIGHT OPEN-HEADED ARROW

	220	221	222	223	224	225	226	227	228	229	22A	22B	22C	22D	22E	22F
0	∇ 2200	\sqcup 2210	\angle 2220	fff 2230	\wr 2240	\doteq 2250	\neq 2260	$\not\approx$ 2270	\nlessgtr 2280	\sqsubset 2290	\boxtimes 22A0	\sphericalangle 22B0	\wedge 22C0	\subseteq 22D0	\nsubseteq 22E0	\cdot 22F0
1	\mathcal{C} 2201	Σ 2211	Δ 2221	\mathcal{f} 2231	$\not\sim$ 2241	\doteq 2251	\equiv 2261	$\not\approx$ 2271	\nlessgtr 2281	\sqsupset 2291	\boxdot 22A1	\sphericalangle 22B1	∇ 22C1	\supseteq 22D1	\nsubseteq 22E1	\cdot 22F1
2	∂ 2202	$-$ 2212	\star 2222	\mathcal{f} 2232	\approx 2242	\doteq 2252	\neq 2262	\approx 2272	\subset 2282	\sqsupseteq 2292	\top 22A2	∇ 22B2	\cap 22C2	\supseteq 22D2	\nsubseteq 22E2	\in 22F2
3	\exists 2203	\mp 2213	$ $ 2223	\mathcal{f} 2233	\approx 2243	\doteq 2253	\equiv 2263	\approx 2273	\supset 2283	\sqsupset 2293	\top 22A3	∇ 22B3	\cup 22C3	\supseteq 22D3	\nsubseteq 22E3	\in 22F3
4	\nexists 2204	\dagger 2214	\dagger 2224	\cdot 2234	$\not\approx$ 2244	\doteq 2254	\leq 2264	$\not\approx$ 2274	$\not\subseteq$ 2284	\sqsupset 2294	\top 22A4	∇ 22B4	\diamond 22C4	\supset 22D4	\sqsupset 22E4	\in 22F4
5	\emptyset 2205	$/$ 2215	\parallel 2225	\cdot 2235	\approx 2245	\doteq 2255	\geq 2265	$\not\approx$ 2275	$\not\subseteq$ 2285	\oplus 2295	\top 22A5	∇ 22B5	\cdot 22C5	$\#$ 22D5	\sqsupset 22E5	\in 22F5
6	Δ 2206	\backslash 2216	\mathcal{K} 2226	$:$ 2236	\approx 2246	\mathcal{H} 2256	\approx 2266	\approx 2276	\subset 2286	\oplus 2296	\top 22A6	\circ 22B6	\star 22C6	∇ 22D6	∇ 22E6	\in 22F6
7	∇ 2207	$*$ 2217	\wedge 2227	\cdot 2237	\approx 2247	\circ 2257	\approx 2267	\approx 2277	\supseteq 2287	\otimes 2297	\mathcal{F} 22A7	\circ 22B7	$*$ 22C7	∇ 22D7	∇ 22E7	\in 22F7
8	\in 2208	\circ 2218	∇ 2228	\cdot 2238	\approx 2248	\supseteq 2258	\approx 2268	\nlessgtr 2278	$\not\subseteq$ 2288	\oplus 2298	\mathcal{T} 22A8	\circ 22B8	\times 22C8	\lll 22D8	∇ 22E8	\in 22F8
9	\notin 2209	\cdot 2219	\cap 2229	\cdot 2239	\approx 2249	\supseteq 2259	\approx 2269	\nlessgtr 2279	$\not\subseteq$ 2289	\oplus 2299	\mathcal{T} 22A9	\cdot 22B9	\times 22C9	\lll 22D9	∇ 22E9	\in 22F9
A	\in 220A	$\sqrt{\quad}$ 221A	\cup 222A	\doteq 223A	\approx 224A	\supseteq 225A	\lll 226A	∇ 227A	\subset 228A	\odot 229A	\mathcal{T} 22AA	\top 22BA	\times 22CA	\lll 22DA	∇ 22EA	\in 22FA
B	\ni 220B	$\sqrt[3]{\quad}$ 221B	\int 222B	\div 223B	\approx 224B	\star 225B	\ggg 226B	∇ 227B	\supseteq 228B	\otimes 229B	\mathcal{T} 22AB	∇ 22BB	∇ 22CB	\lll 22DB	∇ 22EB	\in 22FB
C	\nexists 220C	$\sqrt[4]{\quad}$ 221C	\iint 222C	\sim 223C	\approx 224C	\supseteq 225C	\emptyset 226C	\nlessgtr 227C	\supseteq 228C	\ominus 229C	\mathcal{H} 22AC	∇ 22BC	∇ 22CC	∇ 22DC	∇ 22EC	\in 22FC
D	\ni 220D	∞ 221D	\iiint 222D	\sim 223D	∇ 224D	$\stackrel{\text{def}}{=}$ 225D	\nlessgtr 226D	\nlessgtr 227D	\supseteq 228D	\ominus 229D	\nlessgtr 22AD	∇ 22BD	\supseteq 22CD	∇ 22DD	∇ 22ED	\in 22FD
E	\blacksquare 220E	∞ 221E	\mathcal{f} 222E	\sim 223E	\mathcal{P} 224E	\equiv 225E	\nlessgtr 226E	\nlessgtr 227E	\supseteq 228E	\boxtimes 229E	\mathcal{K} 22AE	\mathcal{L} 22BE	∇ 22CE	∇ 22DE	\cdot 22EE	\in 22FE
F	\prod 220F	\mathcal{L} 221F	fff 222F	\sim 223F	\mathcal{P} 224F	\doteq 225F	\nlessgtr 226F	\nlessgtr 227F	\sqsubset 228F	\boxtimes 229F	\mathcal{K} 22AF	∇ 22BF	\wedge 22CF	\nlessgtr 22DF	\cdot 22EF	\in 22FF

Miscellaneous mathematical symbols

- 2200 \forall FOR ALL
= universal quantifier
- 2201 \complement COMPLEMENT
→ 0297 \complement latin letter stretched c
- 2202 ∂ PARTIAL DIFFERENTIAL
- 2203 \exists THERE EXISTS
= existential quantifier
- 2204 \nexists THERE DOES NOT EXIST
≡ 2203 \exists 0338 $\not\exists$
- 2205 \emptyset EMPTY SET
= null set
• used in linguistics to indicate a null morpheme or phonological “zero”
→ 00D8 \emptyset latin capital letter o with stroke
→ 2300 \emptyset diameter sign
- 2206 Δ INCREMENT
= Laplace operator
= forward difference
= symmetric difference (in set theory)
• other symbols may also be used for symmetric difference
→ 0394 Δ greek capital letter delta
→ 25B3 Δ white up-pointing triangle
- 2207 ∇ NABLA
= backward difference
= gradient, del
• used for Laplacian operator (written with superscript 2)
→ 25BD ∇ white down-pointing triangle

Set membership

- 2208 \in ELEMENT OF
- 2209 \notin NOT AN ELEMENT OF
≡ 2208 \in 0338 $\not\in$
- 220A ϵ SMALL ELEMENT OF
• originates in math pi fonts; not the straight epsilon
→ 03F5 ϵ greek lunate epsilon symbol
- 220B \ni CONTAINS AS MEMBER
= such that
- 220C $\not\ni$ DOES NOT CONTAIN AS MEMBER
≡ 220B \ni 0338 $\not\ni$
- 220D \ni SMALL CONTAINS AS MEMBER
→ 03F6 \ni greek reversed lunate epsilon symbol

Miscellaneous mathematical symbol

- 220E \blacksquare END OF PROOF
= q.e.d.
→ 2023 \blacktriangleright triangular bullet
→ 25AE \blacksquare black vertical rectangle

N-ary operators

- 220F \prod N-ARY PRODUCT
= product sign
→ 03A0 \prod greek capital letter pi
- 2210 \coprod N-ARY COPRODUCT
= coproduct sign
- 2211 \sum N-ARY SUMMATION
= summation sign
→ 03A3 \sum greek capital letter sigma
→ 2140 Σ double-struck n-ary summation

Operators

- 2212 $-$ MINUS SIGN
→ 002D $-$ hyphen-minus
→ 2796 — heavy minus sign
- 2213 \mp MINUS-OR-PLUS SIGN
→ 00B1 \pm plus-minus sign
- 2214 \dagger DOT PLUS
- 2215 $/$ DIVISION SLASH
• generic division operator
→ 002F $/$ solidus
→ 2044 $/$ fraction slash
- 2216 \setminus SET MINUS
→ 005C \setminus reverse solidus
- 2217 $*$ ASTERISK OPERATOR
→ 002A $*$ asterisk
- 2218 \circ RING OPERATOR
= composite function
= APL jot
→ 00B0 $^\circ$ degree sign
→ 0970 $^\circ$ devanagari abbreviation sign
→ 25E6 \circ white bullet
→ 10B39 $^\circ$ avestan abbreviation mark
- 2219 \cdot BULLET OPERATOR
→ 00B7 \cdot middle dot
→ 2022 \bullet bullet
→ 2024 \cdot one dot leader
- 221A $\sqrt{\quad}$ SQUARE ROOT
= radical sign
→ 2713 \checkmark check mark
- 221B $\sqrt[3]{\quad}$ CUBE ROOT
→ 0606 $\sqrt[3]{\quad}$ arabic-indic cube root
- 221C $\sqrt[4]{\quad}$ FOURTH ROOT
→ 0607 $\sqrt[4]{\quad}$ arabic-indic fourth root
- 221D \propto PROPORTIONAL TO
→ 03B1 α greek small letter alpha

Miscellaneous mathematical symbols

- 221E ∞ INFINITY
- 221F \perp RIGHT ANGLE
- 2220 \sphericalangle ANGLE
- 2221 \sphericalangle MEASURED ANGLE
- 2222 \frown SPHERICAL ANGLE
= angle arc

Operators

- 2223 \mid DIVIDES
= such that
= APL stile
→ 007C \mid vertical line
→ 01C0 \mid latin letter dental click
- 2224 \nmid DOES NOT DIVIDE
≡ 2223 \mid 0338 $\not\mid$
- 2225 \parallel PARALLEL TO
→ 01C1 \parallel latin letter lateral click
→ 2016 \parallel double vertical line
- 2226 \nparallel NOT PARALLEL TO
≡ 2225 \parallel 0338 $\not\parallel$

Logical and set operators

- 2227 \wedge LOGICAL AND
= wedge, conjunction
→ 22C0 \wedge n-ary logical and
→ 2303 \wedge up arrowhead

- 2228 \vee LOGICAL OR
= vee, disjunction
→ 22C1 \bigvee n-ary logical or
→ 2304 ∇ down arrowhead
- 2229 \cap INTERSECTION
= cap, hat
→ 22C2 \bigcap n-ary intersection
- 222A \cup UNION
= cup
→ 22C3 \bigcup n-ary union
- Integrals**
- 222B \int INTEGRAL
→ 0283 \int latin small letter esh
- 222C \iint DOUBLE INTEGRAL
 \approx 222B \int 222B \int
- 222D \iiint TRIPLE INTEGRAL
→ 2A0C \iiint quadruple integral operator
 \approx 222B \int 222B \int 222B \int
- 222E \oint CONTOUR INTEGRAL
→ 2A15 \oint integral around a point operator
- 222F \oiint SURFACE INTEGRAL
 \approx 222E \oint 222E \oint
- 2230 \iiint VOLUME INTEGRAL
 \approx 222E \oint 222E \oint 222E \oint
- 2231 $\int\limits_{\circlearrowright}$ CLOCKWISE INTEGRAL
- 2232 $\int\limits_{\circlearrowleft}$ CLOCKWISE CONTOUR INTEGRAL
- 2233 $\int\limits_{\circlearrowleft}$ ANTICLOCKWISE CONTOUR INTEGRAL
• clockwise or anticlockwise arrows do not reverse during layout mirroring

Miscellaneous mathematical symbols

- 2234 \therefore THEREFORE
→ 26EC \therefore historic site
- 2235 \because BECAUSE

Relations

- 2236 $:$ RATIO
→ 003A $:$ colon
- 2237 $::$ PROPORTION

Operator

- 2238 $\dot{-}$ DOT MINUS
= saturating subtraction
• sometimes claimed as notation for symmetric set difference, but 2206 Δ is preferred

Relation

- 2239 $-:$ EXCESS

Operator

- 223A \doteq GEOMETRIC PROPORTION

Relations

- 223B \doteq HOMOTHETIC
→ 2A6B \doteq tilde operator with rising dots
- 223C \sim TILDE OPERATOR
= varies with (proportional to)
= difference between
= similar to
= not
= cycle
= APL tilde
→ 007E \sim tilde
→ 00AC \sim not sign
→ 02DC \sim small tilde

- 223D \smile REVERSED TILDE
= lazy S
• reversed tilde and lazy S are glyph variants
- 223E \smile INVERTED LAZY S
= most positive

Miscellaneous mathematical symbol

- 223F \sim SINE WAVE
= alternating current

Operator

- 2240 \wr WREATH PRODUCT

Relations

- 2241 \ncong NOT TILDE
 \equiv 223C \sim 0338 $\not\sim$
- 2242 \approx MINUS TILDE
- 2243 \asymp ASYMPTOTICALLY EQUAL TO
- 2244 $\not\asymp$ NOT ASYMPTOTICALLY EQUAL TO
 \equiv 2243 \approx 0338 $\not\approx$
- 2245 \approx APPROXIMATELY EQUAL TO
- 2246 $\not\approx$ APPROXIMATELY BUT NOT ACTUALLY EQUAL TO
- 2247 $\not\approx$ NEITHER APPROXIMATELY NOR ACTUALLY EQUAL TO
 \equiv 2245 \approx 0338 $\not\approx$
- 2248 \approx ALMOST EQUAL TO
= asymptotic to
- 2249 $\not\approx$ NOT ALMOST EQUAL TO
 \equiv 2248 \approx 0338 $\not\approx$
- 224A \approx ALMOST EQUAL OR EQUAL TO
- 224B \approx TRIPLE TILDE
- 224C \approx ALL EQUAL TO
• reversed tilde and lazy S are glyph variants
- 224D \asymp EQUIVALENT TO
- 224E \doteq GEOMETRICALLY EQUIVALENT TO
- 224F \doteq DIFFERENCE BETWEEN
- 2250 \doteq APPROACHES THE LIMIT
- 2251 \doteq GEOMETRICALLY EQUAL TO
- 2252 \doteq APPROXIMATELY EQUAL TO OR THE IMAGE OF
= nearly equals
- 2253 \doteq IMAGE OF OR APPROXIMATELY EQUAL TO
- 2254 \doteq COLON EQUALS
- 2255 \doteq EQUALS COLON
- 2256 \doteq RING IN EQUAL TO
- 2257 \doteq RING EQUAL TO
= approximately equal to
- 2258 \doteq CORRESPONDS TO
- 2259 \doteq ESTIMATES
= corresponds to
- 225A \doteq EQUIANGULAR TO
- 225B \doteq STAR EQUALS
- 225C \doteq DELTA EQUAL TO
= equiangular
= equal to by definition
- 225D \doteq EQUAL TO BY DEFINITION
- 225E \doteq MEASURED BY
- 225F \doteq QUESTIONED EQUAL TO
- 2260 \doteq NOT EQUAL TO
→ 003D \doteq equals sign
→ 01C2 \doteq latin letter alveolar click
 \equiv 003D \doteq 0338 $\not\sim$
- 2261 \doteq IDENTICAL TO
- 2262 \doteq NOT IDENTICAL TO
 \equiv 2261 \doteq 0338 $\not\sim$

2263	≡	STRICTLY EQUIVALENT TO
2264	≤	LESS-THAN OR EQUAL TO
2265	≥	GREATER-THAN OR EQUAL TO
2266	≧	LESS-THAN OVER EQUAL TO
2267	≨	GREATER-THAN OVER EQUAL TO
2268	≢	LESS-THAN BUT NOT EQUAL TO
2269	≣	GREATER-THAN BUT NOT EQUAL TO
226A	≪	MUCH LESS-THAN → 00AB ≪ left-pointing double angle quotation mark
226B	≫	MUCH GREATER-THAN → 00BB ≫ right-pointing double angle quotation mark
226C	∅	BETWEEN = plaintiff, quantic
226D	≠	NOT EQUIVALENT TO ≡ 224D ≠ 0338 ∅
226E	≧	NOT LESS-THAN ≡ 003C ≧ 0338 ∅
226F	≨	NOT GREATER-THAN ≡ 003E ≨ 0338 ∅
2270	≢	NEITHER LESS-THAN NOR EQUAL TO ≡ 2264 ≢ 0338 ∅
2271	≣	NEITHER GREATER-THAN NOR EQUAL TO ≡ 2265 ≣ 0338 ∅
2272	≧	LESS-THAN OR EQUIVALENT TO
2273	≨	GREATER-THAN OR EQUIVALENT TO
2274	≢	NEITHER LESS-THAN NOR EQUIVALENT TO ≡ 2272 ≢ 0338 ∅
2275	≣	NEITHER GREATER-THAN NOR EQUIVALENT TO ≡ 2273 ≣ 0338 ∅
2276	≧	LESS-THAN OR GREATER-THAN
2277	≨	GREATER-THAN OR LESS-THAN
2278	≢	NEITHER LESS-THAN NOR GREATER-THAN ≡ 2276 ≢ 0338 ∅
2279	≣	NEITHER GREATER-THAN NOR LESS-THAN ≡ 2277 ≣ 0338 ∅
227A	≪	PRECEDES = lower rank than → 22B0 ≪ precedes under relation
227B	≫	SUCCEEDS = higher rank than → 22B1 ≫ succeeds under relation
227C	≧	PRECEDES OR EQUAL TO
227D	≨	SUCCEEDS OR EQUAL TO
227E	≧	PRECEDES OR EQUIVALENT TO
227F	≨	SUCCEEDS OR EQUIVALENT TO
2280	≠	DOES NOT PRECEDE ≡ 227A ≠ 0338 ∅
2281	≧	DOES NOT SUCCEED ≡ 227B ≧ 0338 ∅
2282	⊂	SUBSET OF = included in set → 2E26 ⊂ left sideways u bracket
2283	⊃	SUPERSET OF = includes in set → 2E27 ⊃ right sideways u bracket
2284	⊄	NOT A SUBSET OF ≡ 2282 ⊄ 0338 ∅
2285	⊅	NOT A SUPERSET OF ≡ 2283 ⊅ 0338 ∅
2286	⊆	SUBSET OF OR EQUAL TO
2287	⊇	SUPERSET OF OR EQUAL TO

2288	⊈	NEITHER A SUBSET OF NOR EQUAL TO ≡ 2286 ⊈ 0338 ∅
2289	⊉	NEITHER A SUPERSET OF NOR EQUAL TO ≡ 2287 ⊉ 0338 ∅
228A	⊆	SUBSET OF WITH NOT EQUAL TO
228B	⊇	SUPERSET OF WITH NOT EQUAL TO

Operators

228C	⊍	MULTISET
228D	⊎	MULTISET MULTIPLICATION → 2A03 ⊎ n-ary union operator with dot → 2A40 ⊎ intersection with dot
228E	⊏	MULTISET UNION = z notation bag addition → 2A04 ⊏ n-ary union operator with plus

Relations

228F	⊐	SQUARE IMAGE OF
2290	⊑	SQUARE ORIGINAL OF
2291	⊒	SQUARE IMAGE OF OR EQUAL TO
2292	⊓	SQUARE ORIGINAL OF OR EQUAL TO

Operators

2293	⊔	SQUARE CAP → 2A05 ⊔ n-ary square intersection operator
2294	⊕	SQUARE CUP
2295	⊕	CIRCLED PLUS = direct sum = vector pointing into page → 2A01 ⊕ n-ary circled plus operator → 1F728 ⊕ alchemical symbol for verdigris

2296	⊖	CIRCLED MINUS = symmetric difference → 29B5 ⊖ circle with horizontal bar → 1F714 ⊖ alchemical symbol for salt
------	---	------------------------------------------------------------------------------------------------------------------------

2297	⊗	CIRCLED TIMES = tensor product = vector pointing into page → 26D2 ⊗ circled crossing lanes → 2A02 ⊗ n-ary circled times operator
------	---	----------------------------------------------------------------------------------------------------------------------------------------------

2298	⊘	CIRCLED DIVISION SLASH
------	---	------------------------

2299	⊙	CIRCLED DOT OPERATOR = direct product = vector pointing out of page → 0298 ⊙ latin letter bilabial click → 2609 ⊙ sun → 2A00 ⊙ n-ary circled dot operator
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229A	⊚	CIRCLED RING OPERATOR → 233E ⊚ apl functional symbol circle jot → 25CE ⊚ bullseye
------	---	-----------------------------------------------------------------------------------------

229B	⊛	CIRCLED ASTERISK OPERATOR → 235F ⊛ apl functional symbol circle star
------	---	-------------------------------------------------------------------------

229C	⊜	CIRCLED EQUALS
------	---	----------------

229D	⊝	CIRCLED DASH
------	---	--------------

229E	⊞	SQUARED PLUS
------	---	--------------

229F	⊟	SQUARED MINUS
------	---	---------------

22A0	⊠	SQUARED TIMES → 2612 ⊠ ballot box with x → 26DD ⊠ squared saltire → 1F771 ⊠ alchemical symbol for month
------	---	------------------------------------------------------------------------------------------------------------------

22A1	⊡	SQUARED DOT OPERATOR → 1F755 ⊡ alchemical symbol for urine
------	---	---------------------------------------------------------------

- 22A2 \vdash RIGHT TACK
= turnstile
= proves, implies, yields
= reducible
- 22A3 \dashv LEFT TACK
= reverse turnstile
= non-theorem, does not yield

Miscellaneous mathematical symbols

- 22A4 \top DOWN TACK
= top
→ 2E06 \top raised interpolation marker
→ 1F768 \top alchemical symbol for crucible-4
- 22A5 \perp UP TACK
= base, bottom
→ 27C2 \perp perpendicular

Relations

- 22A6 \vdash ASSERTION
= reduces to
- 22A7 \vDash MODELS
- 22A8 \vDash TRUE
= statement is true, valid
= is a tautology
= satisfies
= results in
- 22A9 \Vdash FORCES
- 22AA \equiv TRIPLE VERTICAL BAR RIGHT TURNSTILE
- 22AB \equiv DOUBLE VERTICAL BAR DOUBLE RIGHT TURNSTILE
- 22AC \nVdash DOES NOT PROVE
≡ 22A2 \vdash 0338 $\not\vdash$
- 22AD $\n\vDash$ NOT TRUE
≡ 22A8 \vDash 0338 $\not\vDash$
- 22AE \nVdash DOES NOT FORCE
≡ 22A9 \Vdash 0338 $\not\vdash$
- 22AF $\n\vDash$ NEGATED DOUBLE VERTICAL BAR DOUBLE RIGHT TURNSTILE
≡ 22AB \equiv 0338 $\not\equiv$
- 22B0 \prec PRECEDES UNDER RELATION
→ 227A $<$ precedes
- 22B1 \succ SUCCEEDS UNDER RELATION
→ 227B $>$ succeeds
- 22B2 \triangleleft NORMAL SUBGROUP OF
→ 25C5 \triangleleft white left-pointing pointer
- 22B3 \triangleleft CONTAINS AS NORMAL SUBGROUP
→ 25BB \triangleright white right-pointing pointer
- 22B4 \triangleleft NORMAL SUBGROUP OF OR EQUAL TO
- 22B5 \triangleleft CONTAINS AS NORMAL SUBGROUP OR EQUAL TO
- 22B6 \mapsto ORIGINAL OF
- 22B7 \mapsto IMAGE OF
- 22B8 \mapsto MULTIMAP
- 22B9 \dashv HERMITIAN CONJUGATE MATRIX

Operators

- 22BA \top INTERCALATE
- 22BB \vee XOR
→ 26BA \vee semisextile
- 22BC $\bar{\wedge}$ NAND
→ 2305 $\bar{\wedge}$ projective
→ 26BB $\bar{\wedge}$ quincunx
- 22BD ∇ NOR

Miscellaneous mathematical symbols

- 22BE \sphericalangle RIGHT ANGLE WITH ARC

- 22BF \sphericalangle RIGHT TRIANGLE

N-ary operators

- 22C0 \wedge N-ARY LOGICAL AND
• also used to denote the universal quantifier
→ 2227 \wedge logical and
- 22C1 \vee N-ARY LOGICAL OR
• also used to denote the existential quantifier
→ 2228 \vee logical or
- 22C2 \cap N-ARY INTERSECTION
= z notation generalised intersection
→ 2229 \cap intersection
- 22C3 \cup N-ARY UNION
= z notation generalised union
→ 222A \cup union

Operators

- 22C4 \diamond DIAMOND OPERATOR
→ 25C7 \diamond white diamond
→ 2B29 \blacklozenge black small diamond
- 22C5 \cdot DOT OPERATOR
→ 00B7 \cdot middle dot
- 22C6 \star STAR OPERATOR
• APL
→ 066D \star arabic five pointed star
→ 2605 \blackstar black star
→ 2B50 \star white medium star

- 22C7 \ast DIVISION TIMES

Relation

- 22C8 \bowtie BOWTIE
→ 2445 \bowtie ocr bow tie

Operators

- 22C9 \ltimes LEFT NORMAL FACTOR SEMIDIRECT PRODUCT
- 22CA \rtimes RIGHT NORMAL FACTOR SEMIDIRECT PRODUCT
- 22CB \lrcorner LEFT SEMIDIRECT PRODUCT
- 22CC \rccorner RIGHT SEMIDIRECT PRODUCT
→ 2041 \lrcorner caret insertion point

Relation

- 22CD \approx REVERSED TILDE EQUALS

Logical operators

- 22CE \vee CURLY LOGICAL OR
- 22CF \wedge CURLY LOGICAL AND

Relations

- 22D0 \subseteq DOUBLE SUBSET
- 22D1 \supseteq DOUBLE SUPerset

Operators

- 22D2 \cap DOUBLE INTERSECTION
- 22D3 \cup DOUBLE UNION

Relations

- 22D4 \pitchfork PITCHFORK
= proper intersection
- 22D5 $\#$ EQUAL AND PARALLEL TO
→ 2317 $\#$ viewdata square
- 22D6 \lessdot LESS-THAN WITH DOT
- 22D7 \gtrdot GREATER-THAN WITH DOT
- 22D8 \lll VERY MUCH LESS-THAN
- 22D9 \ggg VERY MUCH GREATER-THAN
- 22DA \lesseqgtr LESS-THAN EQUAL TO OR GREATER-THAN
- 22DB \gtrreqless GREATER-THAN EQUAL TO OR LESS-THAN

22DC	\leq	EQUAL TO OR LESS-THAN
22DD	\geq	EQUAL TO OR GREATER-THAN
22DE	\preceq	EQUAL TO OR PRECEDES
22DF	\succeq	EQUAL TO OR SUCCEEDS
22E0	\nprec	DOES NOT PRECEDE OR EQUAL $\equiv 227C \leq 0338 \not\prec$
22E1	\nprec	DOES NOT SUCCEED OR EQUAL $\equiv 227D \geq 0338 \not\prec$
22E2	$\not\sqsubseteq$	NOT SQUARE IMAGE OF OR EQUAL TO $\equiv 2291 \sqsubseteq 0338 \not\sqsubseteq$
22E3	$\not\supseteq$	NOT SQUARE ORIGINAL OF OR EQUAL TO $\equiv 2292 \supseteq 0338 \not\supseteq$
22E4	$\not\sqsubset$	SQUARE IMAGE OF OR NOT EQUAL TO
22E5	$\not\sqsupset$	SQUARE ORIGINAL OF OR NOT EQUAL TO
22E6	\nless	LESS-THAN BUT NOT EQUIVALENT TO
22E7	\ngtr	GREATER-THAN BUT NOT EQUIVALENT TO
22E8	\nprec	PRECEDES BUT NOT EQUIVALENT TO
22E9	\nsuc	SUCCEEDS BUT NOT EQUIVALENT TO
22EA	\ntriangleleft	NOT NORMAL SUBGROUP OF $\equiv 22B2 \triangleleft 0338 \not\triangleleft$
22EB	\ntriangleleft	DOES NOT CONTAIN AS NORMAL SUBGROUP $\equiv 22B3 \triangleright 0338 \not\triangleleft$
22EC	\ntrianglelefteq	NOT NORMAL SUBGROUP OF OR EQUAL TO $\equiv 22B4 \trianglelefteq 0338 \not\trianglelefteq$
22ED	\ntrianglelefteq	DOES NOT CONTAIN AS NORMAL SUBGROUP OR EQUAL $\equiv 22B5 \trianglerighteq 0338 \not\trianglelefteq$
22EE	\vdots	VERTICAL ELLIPSIS <ul style="list-style-type: none"> • these four ellipses are used for matrix row/column elision <p>→ 205D \vdots tricolon → 2026 \dots horizontal ellipsis → FE19 \vdots presentation form for vertical horizontal ellipsis</p>
22EF	\cdots	MIDLINE HORIZONTAL ELLIPSIS
22F0	$\cdot\cdot\cdot$	UP RIGHT DIAGONAL ELLIPSIS
22F1	$\cdot\cdot\cdot$	DOWN RIGHT DIAGONAL ELLIPSIS
22F2	\in	ELEMENT OF WITH LONG HORIZONTAL STROKE
22F3	\in	ELEMENT OF WITH VERTICAL BAR AT END OF HORIZONTAL STROKE
22F4	\in	SMALL ELEMENT OF WITH VERTICAL BAR AT END OF HORIZONTAL STROKE
22F5	\in	ELEMENT OF WITH DOT ABOVE
22F6	\in	ELEMENT OF WITH OVERBAR
22F7	\in	SMALL ELEMENT OF WITH OVERBAR
22F8	\in	ELEMENT OF WITH UNDERBAR
22F9	\in	ELEMENT OF WITH TWO HORIZONTAL STROKES
22FA	\ni	CONTAINS WITH LONG HORIZONTAL STROKE
22FB	\ni	CONTAINS WITH VERTICAL BAR AT END OF HORIZONTAL STROKE
22FC	\ni	SMALL CONTAINS WITH VERTICAL BAR AT END OF HORIZONTAL STROKE
22FD	\ni	CONTAINS WITH OVERBAR
22FE	\ni	SMALL CONTAINS WITH OVERBAR
22FF	\in	Z NOTATION BAG MEMBERSHIP

	230	231	232	233	234	235	236	237	238	239	23A	23B	23C	23D	23E	23F
0	2300	2310	2320	2330	2340	2350	2360	2370	2380	2390	23A0	23B0	23C0	23D0	23E0	23F0
1	2301	2311	2321	2331	2341	2351	2361	2371	2381	2391	23A1	23B1	23C1	23D1	23E1	23F1
2	2302	2312	2322	2332	2342	2352	2362	2372	2382	2392	23A2	23B2	23C2	23D2	23E2	23F2
3	2303	2313	2323	2333	2343	2353	2363	2373	2383	2393	23A3	23B3	23C3	23D3	23E3	23F3
4	2304	2314	2324	2334	2344	2354	2364	2374	2384	2394	23A4	23B4	23C4	23D4	23E4	23F4
5	2305	2315	2325	2335	2345	2355	2365	2375	2385	2395	23A5	23B5	23C5	23D5	23E5	23F5
6	2306	2316	2326	2336	2346	2356	2366	2376	2386	2396	23A6	23B6	23C6	23D6	23E6	23F6
7	2307	2317	2327	2337	2347	2357	2367	2377	2387	2397	23A7	23B7	23C7	23D7	23E7	23F7
8	2308	2318	2328	2338	2348	2358	2368	2378	2388	2398	23A8	23B8	23C8	23D8	23E8	23F8
9	2309	2319	2329	2339	2349	2359	2369	2379	2389	2399	23A9	23B9	23C9	23D9	23E9	23F9
A	230A	231A	232A	233A	234A	235A	236A	237A	238A	239A	23AA	23BA	23CA	23DA	23EA	23FA
B	230B	231B	232B	233B	234B	235B	236B	237B	238B	239B	23AB	23BB	23CB	23DB	23EB	23FB
C	230C	231C	232C	233C	234C	235C	236C	237C	238C	239C	23AC	23BC	23CC	23DC	23EC	23FC
D	230D	231D	232D	233D	234D	235D	236D	237D	238D	239D	23AD	23BD	23CD	23DD	23ED	23FD
E	230E	231E	232E	233E	234E	235E	236E	237E	238E	239E	23AE	23BE	23CE	23DE	23EE	23FE
F	230F	231F	232F	233F	234F	235F	236F	237F	238F	239F	23AF	23BF	23CF	23DF	23EF	23FF

Miscellaneous technical

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

Ceilings and floors

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

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

Crops

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

Miscellaneous technical

- 2310 ⇐ REVERSED NOT SIGN
= beginning of line
→ 00AC ⇐ not sign
- 2311 ◻ SQUARE LOZENGE
= Kissen (pillow)
• used as a command delimiter in some very old computers
- 2312 ⤴ ARC
= position of any line
→ 25E0 ⤴ upper half circle
- 2313 ⤵ SEGMENT
= position of a surface
- 2314 ⤶ SECTOR
- 2315 ⓞ TELEPHONE RECORDER

- 2316 ⦿ POSITION INDICATOR
= true position
- 2317 ⦶ VIEWDATA SQUARE
→ 22D5 ⦶ equal and parallel to
- 2318 ⦿ PLACE OF INTEREST SIGN
= command key (1.0)
= operating system key (ISO 9995-7)
- 2319 ⊣ TURNED NOT SIGN
= line marker

User interface symbols

- 231A ⌚ WATCH
→ 23F0 ⌚ alarm clock
→ 1F550 ⌚ clock face one o'clock
- 231B ⌚ HOURGLASS
= alchemical symbol for hour

Quine corners

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

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

Integral pieces

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

Frown and smile

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

Keyboard symbols

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

Deprecated angle brackets

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

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

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

Keyboard symbol

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

Chemistry symbol

- 232C ⬡ BENZENE RING

Drafting symbols

- 232D ⚙ CYLINDRICITY
 232E Ⓞ ALL AROUND-PROFILE
 232F + SYMMETRY
 2330 ∕ TOTAL RUNOUT
 2331 ϕ DIMENSION ORIGIN
 2332 ▽ CONICAL TAPER
 2333 ▽ SLOPE
 → 25FA ▽ lower left triangle
 2334 □ COUNTERBORE
 → 2423 □ open box
 2335 √ COUNTERSINK
 → 2304 √ down arrowhead

APL

- 2336 ⊥ APL FUNCTIONAL SYMBOL I-BEAM
 2337 ⊎ APL FUNCTIONAL SYMBOL SQUISH QUAD
 → 2395 ⊎ apl functional symbol quad
 → 25AF ⊎ white vertical rectangle
 → 2AFF ⊎ n-ary white vertical bar
 2338 ⊞ APL FUNCTIONAL SYMBOL QUAD EQUAL
 2339 ⊚ APL FUNCTIONAL SYMBOL QUAD DIVIDE
 233A ⊛ APL FUNCTIONAL SYMBOL QUAD DIAMOND
 → 26CB ⊛ white diamond in square
 233B ⊙ APL FUNCTIONAL SYMBOL QUAD JOT
 → 29C7 ⊙ squared small circle
 233C ⊙ APL FUNCTIONAL SYMBOL QUAD CIRCLE
 233D ⊙ APL FUNCTIONAL SYMBOL CIRCLE STILE
 233E ⊙ APL FUNCTIONAL SYMBOL CIRCLE JOT
 → 229A ⊙ circled ring operator
 → 29BE ⊙ circled white bullet
 233F ∕ APL FUNCTIONAL SYMBOL SLASH BAR
 → 1019A ∕ roman as sign
 2340 ∖ APL FUNCTIONAL SYMBOL BACKSLASH BAR
 → 29F7 ∖ reverse solidus with horizontal stroke
 2341 ⊘ APL FUNCTIONAL SYMBOL QUAD SLASH
 → 29C4 ⊘ squared rising diagonal slash
 2342 ⊙ APL FUNCTIONAL SYMBOL QUAD BACKSLASH
 → 29C5 ⊙ squared falling diagonal slash
 2343 ⊘ APL FUNCTIONAL SYMBOL QUAD LESS-THAN
 2344 ⊙ APL FUNCTIONAL SYMBOL QUAD GREATER-THAN
 2345 + APL FUNCTIONAL SYMBOL LEFTWARDS VANE
 2346 + APL FUNCTIONAL SYMBOL RIGHTWARDS VANE
 2347 ⊞ APL FUNCTIONAL SYMBOL QUAD LEFTWARDS ARROW
 2348 ⊞ APL FUNCTIONAL SYMBOL QUAD RIGHTWARDS ARROW
 2349 ⊙ APL FUNCTIONAL SYMBOL CIRCLE BACKSLASH
 → 29B0 ⊙ reversed empty set

- 234A ⊥ APL FUNCTIONAL SYMBOL DOWN TACK UNDERBAR
 = up tack underbar
 • preferred naming for APL tack symbols now follows the London Convention in ISO/IEC 13751:2000 (APL Extended)
 → 22A5 ⊥ up tack
 234B ⬆ APL FUNCTIONAL SYMBOL DELTA STILE
 234C ⊞ APL FUNCTIONAL SYMBOL QUAD DOWN CARET
 234D ⊞ APL FUNCTIONAL SYMBOL QUAD DELTA
 234E ⊙ APL FUNCTIONAL SYMBOL DOWN TACK JOT
 = up tack jot
 → 22A5 ⊥ up tack
 234F + APL FUNCTIONAL SYMBOL UPWARDS VANE
 2350 ⊞ APL FUNCTIONAL SYMBOL QUAD UPWARDS ARROW
 2351 ⊞ APL FUNCTIONAL SYMBOL UP TACK OVERBAR
 = down tack overbar
 → 22A4 ⊞ down tack
 → 3012 ⊞ postal mark
 2352 ∇ APL FUNCTIONAL SYMBOL DEL STILE
 2353 ⊞ APL FUNCTIONAL SYMBOL QUAD UP CARET
 2354 ⊞ APL FUNCTIONAL SYMBOL QUAD DEL
 2355 ⊙ APL FUNCTIONAL SYMBOL UP TACK JOT
 = down tack jot
 → 22A4 ⊞ down tack
 2356 + APL FUNCTIONAL SYMBOL DOWNWARDS VANE
 2357 ⊞ APL FUNCTIONAL SYMBOL QUAD DOWNWARDS ARROW
 2358 ' APL FUNCTIONAL SYMBOL QUOTE UNDERBAR
 2359 ⬆ APL FUNCTIONAL SYMBOL DELTA UNDERBAR
 235A ⊙ APL FUNCTIONAL SYMBOL DIAMOND UNDERBAR
 235B ⊙ APL FUNCTIONAL SYMBOL JOT UNDERBAR
 235C ⊙ APL FUNCTIONAL SYMBOL CIRCLE UNDERBAR
 235D ⊙ APL FUNCTIONAL SYMBOL UP SHOE JOT
 → 2A40 ⊙ intersection with dot
 235E ⊞ APL FUNCTIONAL SYMBOL QUOTE QUAD
 235F ⊙ APL FUNCTIONAL SYMBOL CIRCLE STAR
 → 229B ⊙ circled asterisk operator
 2360 ⊞ APL FUNCTIONAL SYMBOL QUAD COLON
 2361 ⊞ APL FUNCTIONAL SYMBOL UP TACK DIAERESIS
 = down tack diaeresis
 → 22A4 ⊞ down tack
 2362 ∇ APL FUNCTIONAL SYMBOL DEL DIAERESIS
 2363 * APL FUNCTIONAL SYMBOL STAR DIAERESIS
 2364 ø APL FUNCTIONAL SYMBOL JOT DIAERESIS
 = hoot
 2365 Ö APL FUNCTIONAL SYMBOL CIRCLE DIAERESIS
 = holler
 2366 ∇ APL FUNCTIONAL SYMBOL DOWN SHOE STILE
 2367 ⊞ APL FUNCTIONAL SYMBOL LEFT SHOE STILE
 2368 ~ APL FUNCTIONAL SYMBOL TILDE DIAERESIS
 = smirk
 2369 > APL FUNCTIONAL SYMBOL GREATER-THAN DIAERESIS
 236A ∕ APL FUNCTIONAL SYMBOL COMMA BAR
 236B ∇ APL FUNCTIONAL SYMBOL DEL TILDE
 236C ⊙ APL FUNCTIONAL SYMBOL ZILDE
 236D + APL FUNCTIONAL SYMBOL STILE TILDE
 236E ∕ APL FUNCTIONAL SYMBOL SEMICOLON UNDERBAR

236F	⊞	APL FUNCTIONAL SYMBOL QUAD NOT EQUAL
2370	⊟	APL FUNCTIONAL SYMBOL QUAD QUESTION
2371	∨	APL FUNCTIONAL SYMBOL DOWN CARET TILDE
2372	⋈	APL FUNCTIONAL SYMBOL UP CARET TILDE
2373	ι	APL FUNCTIONAL SYMBOL IOTA
2374	ρ	APL FUNCTIONAL SYMBOL RHO
2375	ω	APL FUNCTIONAL SYMBOL OMEGA
2376	⍺	APL FUNCTIONAL SYMBOL ALPHA UNDERBAR
2377	⍵	APL FUNCTIONAL SYMBOL EPSILON UNDERBAR
2378	⍺̄	APL FUNCTIONAL SYMBOL IOTA UNDERBAR
2379	ω̄	APL FUNCTIONAL SYMBOL OMEGA UNDERBAR
237A	α	APL FUNCTIONAL SYMBOL ALPHA

Graphics for control codes

237B	✓	NOT CHECK MARK
		• from ISO 2047
		• symbol for Negative Acknowledge

Miscellaneous technical

237C	↘	RIGHT ANGLE WITH DOWNWARDS ZIGZAG ARROW
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Graphics for control codes

237D	⌞	SHOULDERED OPEN BOX
		• from ISO 9995-7
		• keyboard symbol for No Break Space
		→ 2423 ⌞ open box

237E	⦿	BELL SYMBOL
		• from ISO 2047
237F	‡	VERTICAL LINE WITH MIDDLE DOT
		• from ISO 2047
		• symbol for End of Medium

Keyboard symbols from ISO 9995-7

2380	↵	INSERTION SYMBOL
2381	≡	CONTINUOUS UNDERLINE SYMBOL
2382	≡̄	DISCONTINUOUS UNDERLINE SYMBOL
2383	≡≡	EMPHASIS SYMBOL
2384	Ⓜ	COMPOSITION SYMBOL
2385	Ⓜ	WHITE SQUARE WITH CENTRE VERTICAL LINE
		= center
2386	Ⓜ	ENTER SYMBOL
2387	Ⓜ	ALTERNATIVE KEY SYMBOL
2388	Ⓜ	HELM SYMBOL
		= control
		→ 2638 Ⓜ wheel of dharma
2389	Ⓜ	CIRCLED HORIZONTAL BAR WITH NOTCH
		= pause
238A	Ⓜ	CIRCLED TRIANGLE DOWN
		= interrupt, break
238B	Ⓜ	BROKEN CIRCLE WITH NORTHWEST ARROW
		= escape
238C	Ⓜ	UNDO SYMBOL

Electrotechnical symbols from IR 181

238D	Ⓜ	MONOSTABLE SYMBOL
238E	Ⓜ	HYSTERESIS SYMBOL
238F	Ⓜ	OPEN-CIRCUIT-OUTPUT H-TYPE SYMBOL
2390	Ⓜ	OPEN-CIRCUIT-OUTPUT L-TYPE SYMBOL
2391	Ⓜ	PASSIVE-PULL-DOWN-OUTPUT SYMBOL
2392	Ⓜ	PASSIVE-PULL-UP-OUTPUT SYMBOL
2393	Ⓜ	DIRECT CURRENT SYMBOL FORM TWO
2394	Ⓜ	SOFTWARE-FUNCTION SYMBOL

APL

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

Keyboard symbols from ISO 9995-7

2396	⌞	DECIMAL SEPARATOR KEY SYMBOL
2397	⌞	PREVIOUS PAGE
		→ 1F519 ⌞ back with leftwards arrow above
2398	⌞	NEXT PAGE
2399	⌞	PRINT SCREEN SYMBOL
239A	⌞	CLEAR SCREEN SYMBOL
		→ 20E2 ⌞ combining enclosing screen

Bracket pieces

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

Special character extensions

23AE		INTEGRAL EXTENSION
		→ 2320 \int top half integral
		→ 2321 \int bottom half integral
23AF	—	HORIZONTAL LINE EXTENSION
		• used for extension of arrows
		→ 23D0 vertical line extension

Bracket pieces

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

Summation sign parts

23B2	∑	SUMMATION TOP
23B3	∑	SUMMATION BOTTOM
		→ 2211 ∑ n-ary summation

Horizontal brackets

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

23B4	⌞	TOP SQUARE BRACKET
		→ FE47 ⌞ presentation form for vertical left square bracket
23B5	⌞	BOTTOM SQUARE BRACKET
		→ FE48 ⌞ presentation form for vertical right square bracket

- 23B6 \equiv BOTTOM SQUARE BRACKET OVER TOP SQUARE BRACKET
 • only used for terminal emulation

Terminal graphic characters

- 23B7 \downarrow RADICAL SYMBOL BOTTOM
 23B8 $|$ LEFT VERTICAL BOX LINE
 23B9 $|$ RIGHT VERTICAL BOX LINE

Scan lines for terminal graphics

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

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

Dentistry notation symbols

- 23BE Γ DENTISTRY SYMBOL LIGHT VERTICAL AND TOP RIGHT
 → 2308 Γ left ceiling
- 23BF \perp DENTISTRY SYMBOL LIGHT VERTICAL AND BOTTOM RIGHT
 → 230A \perp left floor
- 23C0 Φ DENTISTRY SYMBOL LIGHT VERTICAL WITH CIRCLE
- 23C1 Φ DENTISTRY SYMBOL LIGHT DOWN AND HORIZONTAL WITH CIRCLE
- 23C2 Φ DENTISTRY SYMBOL LIGHT UP AND HORIZONTAL WITH CIRCLE
- 23C3 Δ DENTISTRY SYMBOL LIGHT VERTICAL WITH TRIANGLE
- 23C4 Δ DENTISTRY SYMBOL LIGHT DOWN AND HORIZONTAL WITH TRIANGLE
- 23C5 Δ DENTISTRY SYMBOL LIGHT UP AND HORIZONTAL WITH TRIANGLE
- 23C6 \dagger DENTISTRY SYMBOL LIGHT VERTICAL AND WAVE
- 23C7 \dagger DENTISTRY SYMBOL LIGHT DOWN AND HORIZONTAL WITH WAVE
- 23C8 \pm DENTISTRY SYMBOL LIGHT UP AND HORIZONTAL WITH WAVE
- 23C9 \top DENTISTRY SYMBOL LIGHT DOWN AND HORIZONTAL
 → 22A4 \top down tack
 → 252C \top box drawings light down and horizontal
- 23CA \perp DENTISTRY SYMBOL LIGHT UP AND HORIZONTAL
 → 22A5 \perp up tack
 → 2534 \perp box drawings light up and horizontal
- 23CB \lrcorner DENTISTRY SYMBOL LIGHT VERTICAL AND TOP LEFT
 → 2309 \lrcorner right ceiling
- 23CC \lrcorner DENTISTRY SYMBOL LIGHT VERTICAL AND BOTTOM LEFT
 → 230B \lrcorner right floor

Miscellaneous technical

- 23CD \square SQUARE FOOT

Keyboard and UI symbols

- 23CE \rightrightarrows RETURN SYMBOL
 • may be shown with either hollow or filled glyph
 → 21B5 \rightrightarrows downwards arrow with corner leftwards
- 23CF \blacktriangle EJECT SYMBOL
 • UI symbol to eject media

Special character extension

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

Metrical symbols

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

Electrotechnical symbols

- 23DA \perp EARTH GROUND
- 23DB \equiv FUSE

Horizontal brackets

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

- 23DC \frown TOP PARENTHESIS
 → FE35 \frown presentation form for vertical left parenthesis
- 23DD \smile BOTTOM PARENTHESIS
 → FE36 \smile presentation form for vertical right parenthesis
- 23DE \frown TOP CURLY BRACKET
 → FE37 \frown presentation form for vertical left curly bracket
- 23DF \smile BOTTOM CURLY BRACKET
 → FE38 \smile presentation form for vertical right curly bracket
- 23E0 \frown TOP TORTOISE SHELL BRACKET
 → FE39 \frown presentation form for vertical left tortoise shell bracket
- 23E1 \smile BOTTOM TORTOISE SHELL BRACKET
 → FE3A \smile presentation form for vertical right tortoise shell bracket

Miscellaneous technical

- 23E2 \square WHITE TRAPEZIUM

Chemistry symbol




























- 23E3 \odot BENZENE RING WITH CIRCLE




Miscellaneous technical

- 23E4 $-$ STRAIGHTNESS
- 23E5 \square FLATNESS
- 23E6 \approx AC CURRENT
- 23E7 \times ELECTRICAL INTERSECTION

- 23E8  DECIMAL EXPONENT SYMBOL
 • Algol-60 token for scientific notation literals

User interface symbols

23E9		BLACK RIGHT-POINTING DOUBLE TRIANGLE = fast forward
23EA		BLACK LEFT-POINTING DOUBLE TRIANGLE = fast rewind
23EB		BLACK UP-POINTING DOUBLE TRIANGLE
23EC		BLACK DOWN-POINTING DOUBLE TRIANGLE
23ED		BLACK RIGHT-POINTING DOUBLE TRIANGLE WITH VERTICAL BAR
23EE		BLACK LEFT-POINTING DOUBLE TRIANGLE WITH VERTICAL BAR
23EF		BLACK RIGHT-POINTING TRIANGLE WITH DOUBLE VERTICAL BAR
23F0		ALARM CLOCK → 231A  watch → 1F550  clock face one o'clock
23F1		STOPWATCH
23F2		TIMER CLOCK
23F3		HOURLASS WITH FLOWING SAND → 231B  hourglass
23F4		BLACK MEDIUM LEFT-POINTING TRIANGLE = reverse, back = w-0051 • preferred to 25C0  black left-pointing triangle
23F5		BLACK MEDIUM RIGHT-POINTING TRIANGLE = forward = w-0052 • preferred to 25B6  black right-pointing triangle
23F6		BLACK MEDIUM UP-POINTING TRIANGLE = increase = w-0053 • preferred to 25B2  black up-pointing triangle
23F7		BLACK MEDIUM DOWN-POINTING TRIANGLE = decrease = w-0054 • preferred to 25BC  black down-pointing triangle
23F8		DOUBLE VERTICAL BAR = pause = w-0059
23F9		BLACK SQUARE FOR STOP = stop → 25FC  black medium square = w-0060
23FA		BLACK CIRCLE FOR RECORD = record → 26AB  medium black circle = w-0061

	240	241	242	243
0	N_{UL} 2400	D_{LE} 2410	S_P 2420	
1	S_{OH} 2401	D_{C_1} 2411	D_{EL} 2421	
2	S_{TX} 2402	D_{C_2} 2412	b 2422	
3	E_{TX} 2403	D_{C_3} 2413	 2423	
4	E_{OT} 2404	D_{C_4} 2414	N_L 2424	
5	E_{NQ} 2405	N_{AK} 2415	 2425	
6	A_{CK} 2406	S_{YN} 2416	 2426	
7	B_{EL} 2407	E_{TB} 2417		
8	B_S 2408	C_{AN} 2418		
9	H_T 2409	E_M 2419		
A	L_F 240A	S_{UB} 241A		
B	V_T 240B	E_{SC} 241B		
C	F_F 240C	F_S 241C		
D	C_R 240D	G_S 241D		
E	S_S 240E	R_S 241E		
F	S_I 240F	U_S 241F		

The diagonal lettering glyphs are only exemplary; alternate representations may be, and often are used in the visible display of control codes.

Graphic pictures for control codes

2400	N_{UL}	SYMBOL FOR NULL
2401	S_{OH}	SYMBOL FOR START OF HEADING
2402	S_{TX}	SYMBOL FOR START OF TEXT
2403	E_{TX}	SYMBOL FOR END OF TEXT
2404	E_{OT}	SYMBOL FOR END OF TRANSMISSION
2405	E_{NQ}	SYMBOL FOR ENQUIRY
2406	A_{CK}	SYMBOL FOR ACKNOWLEDGE
2407	B_{EL}	SYMBOL FOR BELL
2408	B_S	SYMBOL FOR BACKSPACE
2409	H_T	SYMBOL FOR HORIZONTAL TABULATION
240A	V_T	SYMBOL FOR LINE FEED
240B	V_T	SYMBOL FOR VERTICAL TABULATION
240C	F_F	SYMBOL FOR FORM FEED
240D	C_R	SYMBOL FOR CARRIAGE RETURN
240E	S_S	SYMBOL FOR SHIFT OUT
240F	S_I	SYMBOL FOR SHIFT IN
2410	D_{LE}	SYMBOL FOR DATA LINK ESCAPE
2411	D_{C_1}	SYMBOL FOR DEVICE CONTROL ONE
2412	D_{C_2}	SYMBOL FOR DEVICE CONTROL TWO
2413	D_{C_3}	SYMBOL FOR DEVICE CONTROL THREE
2414	D_{C_4}	SYMBOL FOR DEVICE CONTROL FOUR
2415	N_{AK}	SYMBOL FOR NEGATIVE ACKNOWLEDGE
2416	S_{YN}	SYMBOL FOR SYNCHRONOUS IDLE
2417	E_{TB}	SYMBOL FOR END OF TRANSMISSION BLOCK
2418	C_{AN}	SYMBOL FOR CANCEL
2419	E_M	SYMBOL FOR END OF MEDIUM
241A	S_{UB}	SYMBOL FOR SUBSTITUTE
241B	E_{SC}	SYMBOL FOR ESCAPE
241C	F_S	SYMBOL FOR FILE SEPARATOR
241D	G_S	SYMBOL FOR GROUP SEPARATOR
241E	R_S	SYMBOL FOR RECORD SEPARATOR
241F	U_S	SYMBOL FOR UNIT SEPARATOR
2420	S_P	SYMBOL FOR SPACE
2421	D_{EL}	SYMBOL FOR DELETE

Specific symbols for space


2422	b	BLANK SYMBOL
		• graphic for space
		→ 0180 b latin small letter b with stroke

2423		OPEN BOX
		• graphic for space
		→ 2334  counterbore



Graphic picture for control code

2424	N_L	SYMBOL FOR NEWLINE
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Keyboard symbol

2425		SYMBOL FOR DELETE FORM TWO
		• from ISO 9995-7
		• keyboard symbol for undoable delete

Specific symbol for control code

2426		SYMBOL FOR SUBSTITUTE FORM TWO
		• from ISO 2047
		→ 061F  arabic question mark

	246	247	248	249	24A	24B	24C	24D	24E	24F
0	① 2460	⑰ 2470	⑬ 2480	9 2490	(e) 24A0	(u) 24B0	Ⓚ 24C0	ⓐ 24D0	Ⓠ 24E0	⑯ 24F0
1	② 2461	⑱ 2471	⑭ 2481	10 2491	(f) 24A1	(v) 24B1	Ⓛ 24C1	ⓑ 24D1	Ⓡ 24E1	⑰ 24F1
2	③ 2462	⑲ 2472	⑮ 2482	11 2492	(g) 24A2	(w) 24B2	Ⓜ 24C2	ⓒ 24D2	Ⓢ 24E2	⑱ 24F2
3	④ 2463	⑳ 2473	⑯ 2483	12 2493	(h) 24A3	(x) 24B3	Ⓝ 24C3	ⓓ 24D3	Ⓣ 24E3	⑲ 24F3
4	⑤ 2464	(1) 2474	(17) 2484	13 2494	(i) 24A4	(y) 24B4	Ⓞ 24C4	ⓔ 24D4	Ⓤ 24E4	⑳ 24F4
5	⑥ 2465	(2) 2475	(18) 2485	14 2495	(j) 24A5	(z) 24B5	Ⓟ 24C5	ⓕ 24D5	Ⓥ 24E5	① 24F5
6	⑦ 2466	(3) 2476	(19) 2486	15 2496	(k) 24A6	Ⓐ 24B6	Ⓠ 24C6	ⓖ 24D6	Ⓦ 24E6	② 24F6
7	⑧ 2467	(4) 2477	(20) 2487	16 2497	(l) 24A7	Ⓑ 24B7	Ⓡ 24C7	ⓗ 24D7	Ⓧ 24E7	③ 24F7
8	⑨ 2468	(5) 2478	1. 2488	17 2498	(m) 24A8	Ⓒ 24B8	Ⓢ 24C8	Ⓨ 24D8	Ⓩ 24E8	④ 24F8
9	⑩ 2469	(6) 2479	2. 2489	18 2499	(n) 24A9	Ⓓ 24B9	Ⓣ 24C9	Ⓩ 24D9	Ⓨ 24E9	⑤ 24F9
A	⑪ 246A	(7) 247A	3. 248A	19 249A	(o) 24AA	Ⓔ 24BA	Ⓤ 24CA	Ⓚ 24DA	① 24EA	⑥ 24FA
B	⑫ 246B	(8) 247B	4. 248B	20 249B	(p) 24AB	Ⓕ 24BB	Ⓥ 24CB	Ⓛ 24DB	⑪ 24EB	⑦ 24FB
C	⑬ 246C	(9) 247C	5. 248C	(a) 249C	(q) 24AC	Ⓖ 24BC	Ⓦ 24CC	Ⓜ 24DC	⑫ 24EC	⑧ 24FC
D	⑭ 246D	(10) 247D	6. 248D	(b) 249D	(r) 24AD	Ⓗ 24BD	Ⓧ 24CD	Ⓝ 24DD	⑬ 24ED	⑨ 24FD
E	⑮ 246E	(11) 247E	7. 248E	(c) 249E	(s) 24AE	Ⓘ 24BE	Ⓨ 24CE	Ⓞ 24DE	⑭ 24EE	⑩ 24FE
F	⑯ 246F	(12) 247F	8. 248F	(d) 249F	(t) 24AF	Ⓙ 24BF	Ⓩ 24CF	Ⓟ 24DF	⑮ 24EF	① 24FF

Circled numbers

2460	①	CIRCLED DIGIT ONE ≈ <circle> 0031 1
2461	②	CIRCLED DIGIT TWO ≈ <circle> 0032 2
2462	③	CIRCLED DIGIT THREE ≈ <circle> 0033 3
2463	④	CIRCLED DIGIT FOUR ≈ <circle> 0034 4
2464	⑤	CIRCLED DIGIT FIVE ≈ <circle> 0035 5
2465	⑥	CIRCLED DIGIT SIX ≈ <circle> 0036 6
2466	⑦	CIRCLED DIGIT SEVEN ≈ <circle> 0037 7
2467	⑧	CIRCLED DIGIT EIGHT ≈ <circle> 0038 8
2468	⑨	CIRCLED DIGIT NINE ≈ <circle> 0039 9
2469	⑩	CIRCLED NUMBER TEN ≈ <circle> 0031 1 0030 0
246A	⑪	CIRCLED NUMBER ELEVEN ≈ <circle> 0031 1 0031 1
246B	⑫	CIRCLED NUMBER TWELVE ≈ <circle> 0031 1 0032 2
246C	⑬	CIRCLED NUMBER THIRTEEN ≈ <circle> 0031 1 0033 3
246D	⑭	CIRCLED NUMBER FOURTEEN ≈ <circle> 0031 1 0034 4
246E	⑮	CIRCLED NUMBER FIFTEEN ≈ <circle> 0031 1 0035 5
246F	⑯	CIRCLED NUMBER SIXTEEN ≈ <circle> 0031 1 0036 6
2470	⑰	CIRCLED NUMBER SEVENTEEN ≈ <circle> 0031 1 0037 7
2471	⑱	CIRCLED NUMBER EIGHTEEN ≈ <circle> 0031 1 0038 8
2472	⑲	CIRCLED NUMBER NINETEEN ≈ <circle> 0031 1 0039 9
2473	⑳	CIRCLED NUMBER TWENTY ≈ <circle> 0032 2 0030 0

Parenthesized numbers

2474	(1)	PARENTHESIZED DIGIT ONE ≈ 0028 (0031 1 0029)
2475	(2)	PARENTHESIZED DIGIT TWO ≈ 0028 (0032 2 0029)
2476	(3)	PARENTHESIZED DIGIT THREE ≈ 0028 (0033 3 0029)
2477	(4)	PARENTHESIZED DIGIT FOUR ≈ 0028 (0034 4 0029)
2478	(5)	PARENTHESIZED DIGIT FIVE ≈ 0028 (0035 5 0029)
2479	(6)	PARENTHESIZED DIGIT SIX ≈ 0028 (0036 6 0029)
247A	(7)	PARENTHESIZED DIGIT SEVEN ≈ 0028 (0037 7 0029)
247B	(8)	PARENTHESIZED DIGIT EIGHT ≈ 0028 (0038 8 0029)
247C	(9)	PARENTHESIZED DIGIT NINE ≈ 0028 (0039 9 0029)
247D	(10)	PARENTHESIZED NUMBER TEN ≈ 0028 (0031 1 0030 0 0029)

247E	(11)	PARENTHESIZED NUMBER ELEVEN ≈ 0028 (0031 1 0031 1 0029)
247F	(12)	PARENTHESIZED NUMBER TWELVE ≈ 0028 (0031 1 0032 2 0029)
2480	(13)	PARENTHESIZED NUMBER THIRTEEN ≈ 0028 (0031 1 0033 3 0029)
2481	(14)	PARENTHESIZED NUMBER FOURTEEN ≈ 0028 (0031 1 0034 4 0029)
2482	(15)	PARENTHESIZED NUMBER FIFTEEN ≈ 0028 (0031 1 0035 5 0029)
2483	(16)	PARENTHESIZED NUMBER SIXTEEN ≈ 0028 (0031 1 0036 6 0029)
2484	(17)	PARENTHESIZED NUMBER SEVENTEEN ≈ 0028 (0031 1 0037 7 0029)
2485	(18)	PARENTHESIZED NUMBER EIGHTEEN ≈ 0028 (0031 1 0038 8 0029)
2486	(19)	PARENTHESIZED NUMBER NINETEEN ≈ 0028 (0031 1 0039 9 0029)
2487	(20)	PARENTHESIZED NUMBER TWENTY ≈ 0028 (0032 2 0030 0 0029)

Numbers period

See also similar symbols starting at U+1F100.

2488	1.	DIGIT ONE FULL STOP ≈ 0031 1 002E .
2489	2.	DIGIT TWO FULL STOP ≈ 0032 2 002E .
248A	3.	DIGIT THREE FULL STOP ≈ 0033 3 002E .
248B	4.	DIGIT FOUR FULL STOP ≈ 0034 4 002E .
248C	5.	DIGIT FIVE FULL STOP ≈ 0035 5 002E .
248D	6.	DIGIT SIX FULL STOP ≈ 0036 6 002E .
248E	7.	DIGIT SEVEN FULL STOP ≈ 0037 7 002E .
248F	8.	DIGIT EIGHT FULL STOP ≈ 0038 8 002E .
2490	9.	DIGIT NINE FULL STOP ≈ 0039 9 002E .
2491	10.	NUMBER TEN FULL STOP ≈ 0031 1 0030 0 002E .
2492	11.	NUMBER ELEVEN FULL STOP ≈ 0031 1 0031 1 002E .
2493	12.	NUMBER TWELVE FULL STOP ≈ 0031 1 0032 2 002E .
2494	13.	NUMBER THIRTEEN FULL STOP ≈ 0031 1 0033 3 002E .
2495	14.	NUMBER FOURTEEN FULL STOP ≈ 0031 1 0034 4 002E .
2496	15.	NUMBER FIFTEEN FULL STOP ≈ 0031 1 0035 5 002E .
2497	16.	NUMBER SIXTEEN FULL STOP ≈ 0031 1 0036 6 002E .
2498	17.	NUMBER SEVENTEEN FULL STOP ≈ 0031 1 0037 7 002E .
2499	18.	NUMBER EIGHTEEN FULL STOP ≈ 0031 1 0038 8 002E .
249A	19.	NUMBER NINETEEN FULL STOP ≈ 0031 1 0039 9 002E .
249B	20.	NUMBER TWENTY FULL STOP ≈ 0032 2 0030 0 002E .

Parenthesized Latin letters

See also the uppercase set starting at U+1F100.

- 249C (a) PARENTHESIZED LATIN SMALL LETTER A
≈ 0028 (0061 a 0029)
- 249D (b) PARENTHESIZED LATIN SMALL LETTER B
≈ 0028 (0062 b 0029)
- 249E (c) PARENTHESIZED LATIN SMALL LETTER C
≈ 0028 (0063 c 0029)
- 249F (d) PARENTHESIZED LATIN SMALL LETTER D
≈ 0028 (0064 d 0029)
- 24A0 (e) PARENTHESIZED LATIN SMALL LETTER E
≈ 0028 (0065 e 0029)
- 24A1 (f) PARENTHESIZED LATIN SMALL LETTER F
≈ 0028 (0066 f 0029)
- 24A2 (g) PARENTHESIZED LATIN SMALL LETTER G
≈ 0028 (0067 g 0029)
- 24A3 (h) PARENTHESIZED LATIN SMALL LETTER H
≈ 0028 (0068 h 0029)
- 24A4 (i) PARENTHESIZED LATIN SMALL LETTER I
≈ 0028 (0069 i 0029)
- 24A5 (j) PARENTHESIZED LATIN SMALL LETTER J
≈ 0028 (006A j 0029)
- 24A6 (k) PARENTHESIZED LATIN SMALL LETTER K
≈ 0028 (006B k 0029)
- 24A7 (l) PARENTHESIZED LATIN SMALL LETTER L
≈ 0028 (006C l 0029)
- 24A8 (m) PARENTHESIZED LATIN SMALL LETTER M
≈ 0028 (006D m 0029)
- 24A9 (n) PARENTHESIZED LATIN SMALL LETTER N
≈ 0028 (006E n 0029)
- 24AA (o) PARENTHESIZED LATIN SMALL LETTER O
≈ 0028 (006F o 0029)
- 24AB (p) PARENTHESIZED LATIN SMALL LETTER P
≈ 0028 (0070 p 0029)
- 24AC (q) PARENTHESIZED LATIN SMALL LETTER Q
≈ 0028 (0071 q 0029)
- 24AD (r) PARENTHESIZED LATIN SMALL LETTER R
≈ 0028 (0072 r 0029)
- 24AE (s) PARENTHESIZED LATIN SMALL LETTER S
≈ 0028 (0073 s 0029)
- 24AF (t) PARENTHESIZED LATIN SMALL LETTER T
≈ 0028 (0074 t 0029)
- 24B0 (u) PARENTHESIZED LATIN SMALL LETTER U
≈ 0028 (0075 u 0029)
- 24B1 (v) PARENTHESIZED LATIN SMALL LETTER V
≈ 0028 (0076 v 0029)
- 24B2 (w) PARENTHESIZED LATIN SMALL LETTER W
≈ 0028 (0077 w 0029)
- 24B3 (x) PARENTHESIZED LATIN SMALL LETTER X
≈ 0028 (0078 x 0029)
- 24B4 (y) PARENTHESIZED LATIN SMALL LETTER Y
≈ 0028 (0079 y 0029)
- 24B5 (z) PARENTHESIZED LATIN SMALL LETTER Z
≈ 0028 (007A z 0029)

Circled Latin letters

- 24B6 (A) CIRCLED LATIN CAPITAL LETTER A
≈ <circle> 0041 A
- 24B7 (B) CIRCLED LATIN CAPITAL LETTER B
≈ <circle> 0042 B
- 24B8 (C) CIRCLED LATIN CAPITAL LETTER C
→ 00A9 © copyright sign
≈ <circle> 0043 C

- 24B9 (D) CIRCLED LATIN CAPITAL LETTER D
≈ <circle> 0044 D
- 24BA (E) CIRCLED LATIN CAPITAL LETTER E
≈ <circle> 0045 E
- 24BB (F) CIRCLED LATIN CAPITAL LETTER F
≈ <circle> 0046 F
- 24BC (G) CIRCLED LATIN CAPITAL LETTER G
≈ <circle> 0047 G
- 24BD (H) CIRCLED LATIN CAPITAL LETTER H
≈ <circle> 0048 H
- 24BE (I) CIRCLED LATIN CAPITAL LETTER I
≈ <circle> 0049 I
- 24BF (J) CIRCLED LATIN CAPITAL LETTER J
≈ <circle> 004A J
- 24C0 (K) CIRCLED LATIN CAPITAL LETTER K
≈ <circle> 004B K
- 24C1 (L) CIRCLED LATIN CAPITAL LETTER L
≈ <circle> 004C L
- 24C2 (M) CIRCLED LATIN CAPITAL LETTER M
≈ <circle> 004D M
- 24C3 (N) CIRCLED LATIN CAPITAL LETTER N
≈ <circle> 004E N
- 24C4 (O) CIRCLED LATIN CAPITAL LETTER O
≈ <circle> 004F O
- 24C5 (P) CIRCLED LATIN CAPITAL LETTER P
→ 2117 © sound recording copyright
≈ <circle> 0050 P
- 24C6 (Q) CIRCLED LATIN CAPITAL LETTER Q
≈ <circle> 0051 Q
- 24C7 (R) CIRCLED LATIN CAPITAL LETTER R
→ 00AE ® registered sign
≈ <circle> 0052 R
- 24C8 (S) CIRCLED LATIN CAPITAL LETTER S
≈ <circle> 0053 S
- 24C9 (T) CIRCLED LATIN CAPITAL LETTER T
≈ <circle> 0054 T
- 24CA (U) CIRCLED LATIN CAPITAL LETTER U
≈ <circle> 0055 U
- 24CB (V) CIRCLED LATIN CAPITAL LETTER V
≈ <circle> 0056 V
- 24CC (W) CIRCLED LATIN CAPITAL LETTER W
≈ <circle> 0057 W
- 24CD (X) CIRCLED LATIN CAPITAL LETTER X
≈ <circle> 0058 X
- 24CE (Y) CIRCLED LATIN CAPITAL LETTER Y
≈ <circle> 0059 Y
- 24CF (Z) CIRCLED LATIN CAPITAL LETTER Z
≈ <circle> 005A Z
- 24D0 (a) CIRCLED LATIN SMALL LETTER A
≈ <circle> 0061 a
- 24D1 (b) CIRCLED LATIN SMALL LETTER B
≈ <circle> 0062 b
- 24D2 (c) CIRCLED LATIN SMALL LETTER C
≈ <circle> 0063 c
- 24D3 (d) CIRCLED LATIN SMALL LETTER D
≈ <circle> 0064 d
- 24D4 (e) CIRCLED LATIN SMALL LETTER E
≈ <circle> 0065 e
- 24D5 (f) CIRCLED LATIN SMALL LETTER F
≈ <circle> 0066 f
- 24D6 (g) CIRCLED LATIN SMALL LETTER G
≈ <circle> 0067 g

24D7	Ⓚ	CIRCLED LATIN SMALL LETTER H ≈ <circle> 0068 h
24D8	Ⓛ	CIRCLED LATIN SMALL LETTER I ≈ <circle> 0069 i
24D9	Ⓜ	CIRCLED LATIN SMALL LETTER J ≈ <circle> 006A j
24DA	Ⓨ	CIRCLED LATIN SMALL LETTER K ≈ <circle> 006B k
24DB	Ⓛ	CIRCLED LATIN SMALL LETTER L ≈ <circle> 006C l
24DC	Ⓜ	CIRCLED LATIN SMALL LETTER M ≈ <circle> 006D m
24DD	Ⓝ	CIRCLED LATIN SMALL LETTER N ≈ <circle> 006E n
24DE	Ⓞ	CIRCLED LATIN SMALL LETTER O ≈ <circle> 006F o
24DF	Ⓟ	CIRCLED LATIN SMALL LETTER P ≈ <circle> 0070 p
24E0	Ⓠ	CIRCLED LATIN SMALL LETTER Q ≈ <circle> 0071 q
24E1	Ⓡ	CIRCLED LATIN SMALL LETTER R ≈ <circle> 0072 r
24E2	Ⓢ	CIRCLED LATIN SMALL LETTER S ≈ <circle> 0073 s
24E3	Ⓣ	CIRCLED LATIN SMALL LETTER T ≈ <circle> 0074 t
24E4	Ⓤ	CIRCLED LATIN SMALL LETTER U ≈ <circle> 0075 u
24E5	Ⓥ	CIRCLED LATIN SMALL LETTER V ≈ <circle> 0076 v
24E6	Ⓦ	CIRCLED LATIN SMALL LETTER W ≈ <circle> 0077 w
24E7	Ⓧ	CIRCLED LATIN SMALL LETTER X ≈ <circle> 0078 x
24E8	Ⓩ	CIRCLED LATIN SMALL LETTER Y ≈ <circle> 0079 y
24E9	Ⓨ	CIRCLED LATIN SMALL LETTER Z ≈ <circle> 007A z

Additional circled number

24EA ① CIRCLED DIGIT ZERO
≈ <circle> 0030 0

White on black circled numbers

24EB	⑪	NEGATIVE CIRCLED NUMBER ELEVEN
24EC	⑫	NEGATIVE CIRCLED NUMBER TWELVE
24ED	⑬	NEGATIVE CIRCLED NUMBER THIRTEEN
24EE	⑭	NEGATIVE CIRCLED NUMBER FOURTEEN
24EF	⑮	NEGATIVE CIRCLED NUMBER FIFTEEN
24F0	⑯	NEGATIVE CIRCLED NUMBER SIXTEEN
24F1	⑰	NEGATIVE CIRCLED NUMBER SEVENTEEN
24F2	⑱	NEGATIVE CIRCLED NUMBER EIGHTEEN
24F3	⑲	NEGATIVE CIRCLED NUMBER NINETEEN
24F4	⑳	NEGATIVE CIRCLED NUMBER TWENTY
























Double circled numbers

24F5	①	DOUBLE CIRCLED DIGIT ONE
24F6	②	DOUBLE CIRCLED DIGIT TWO
24F7	③	DOUBLE CIRCLED DIGIT THREE
24F8	④	DOUBLE CIRCLED DIGIT FOUR
24F9	⑤	DOUBLE CIRCLED DIGIT FIVE
24FA	⑥	DOUBLE CIRCLED DIGIT SIX
24FB	⑦	DOUBLE CIRCLED DIGIT SEVEN
24FC	⑧	DOUBLE CIRCLED DIGIT EIGHT










24FD	⑨	DOUBLE CIRCLED DIGIT NINE
24FE	⑩	DOUBLE CIRCLED NUMBER TEN


Additional white on black circled number









24FF ① NEGATIVE CIRCLED DIGIT ZERO
→ 2776 ① dingbat negative circled digit one

	258	259
0	 2580	 2590
1	 2581	 2591
2	 2582	 2592
3	 2583	 2593
4	 2584	 2594
5	 2585	 2595
6	 2586	 2596
7	 2587	 2597
8	 2588	 2598
9	 2589	 2599
A	 258A	 259A
B	 258B	 259B
C	 258C	 259C
D	 258D	 259D
E	 258E	 259E
F	 258F	 259F




Block elements

- 2580  UPPER HALF BLOCK
- 2581  LOWER ONE EIGHTH BLOCK
- 2582  LOWER ONE QUARTER BLOCK
- 2583  LOWER THREE EIGHTHS BLOCK
- 2584  LOWER HALF BLOCK
- 2585  LOWER FIVE EIGHTHS BLOCK
- 2586  LOWER THREE QUARTERS BLOCK
- 2587  LOWER SEVEN EIGHTHS BLOCK
- 2588  FULL BLOCK



= solid
→ 25A0  black square

- 2589  LEFT SEVEN EIGHTHS BLOCK
- 258A  LEFT THREE QUARTERS BLOCK
- 258B  LEFT FIVE EIGHTHS BLOCK
- 258C  LEFT HALF BLOCK
- 258D  LEFT THREE EIGHTHS BLOCK
- 258E  LEFT ONE QUARTER BLOCK
- 258F  LEFT ONE EIGHTH BLOCK
- 2590  RIGHT HALF BLOCK











Shade characters

































































































- 2591  LIGHT SHADE
• 25%
- 2592  MEDIUM SHADE
• 50%
- 2593  DARK SHADE
• 75%

Block elements

- 2594  UPPER ONE EIGHTH BLOCK
- 2595  RIGHT ONE EIGHTH BLOCK
















































Terminal graphic characters























































- 2596  QUADRANT LOWER LEFT
- 2597  QUADRANT LOWER RIGHT
- 2598  QUADRANT UPPER LEFT
- 2599  QUADRANT UPPER LEFT AND LOWER LEFT AND LOWER RIGHT
- 259A  QUADRANT UPPER LEFT AND LOWER RIGHT
- 259B  QUADRANT UPPER LEFT AND UPPER RIGHT AND LOWER LEFT
- 259C  QUADRANT UPPER LEFT AND UPPER RIGHT AND LOWER RIGHT
- 259D  QUADRANT UPPER RIGHT
- 259E  QUADRANT UPPER RIGHT AND LOWER LEFT
- 259F  QUADRANT UPPER RIGHT AND LOWER LEFT AND LOWER RIGHT

	25A	25B	25C	25D	25E	25F
0	 25A0	 25B0	 25C0	 25D0	 25E0	 25F0
1	 25A1	 25B1	 25C1	 25D1	 25E1	 25F1
2	 25A2	 25B2	 25C2	 25D2	 25E2	 25F2
3	 25A3	 25B3	 25C3	 25D3	 25E3	 25F3
4	 25A4	 25B4	 25C4	 25D4	 25E4	 25F4
5	 25A5	 25B5	 25C5	 25D5	 25E5	 25F5
6	 25A6	 25B6	 25C6	 25D6	 25E6	 25F6
7	 25A7	 25B7	 25C7	 25D7	 25E7	 25F7
8	 25A8	 25B8	 25C8	 25D8	 25E8	 25F8
9	 25A9	 25B9	 25C9	 25D9	 25E9	 25F9
A	 25AA	 25BA	 25CA	 25DA	 25EA	 25FA
B	 25AB	 25BB	 25CB	 25DB	 25EB	 25FB
C	 25AC	 25BC	 25CC	 25DC	 25EC	 25FC
D	 25AD	 25BD	 25CD	 25DD	 25ED	 25FD
E	 25AE	 25BE	 25CE	 25DE	 25EE	 25FE
F	 25AF	 25BF	 25CF	 25DF	 25EF	 25FF

Geometric shapes

Other geometric shapes complementing this set are found in the *Miscellaneous Symbols and Arrows* block.

- 25A0  **BLACK SQUARE**
= moding mark (in ideographic text)
→ 2588  full block
→ 2B1B  black large square
- 25A1  **WHITE SQUARE**
= quadrature
= alchemical symbol for salt
• may be used to represent a missing ideograph
→ 20DE  combining enclosing square
→ 2610  ballot box
→ 2B1C  white large square
→ 3013  geta mark
- 25A2  **WHITE SQUARE WITH ROUNDED CORNERS**
- 25A3  **WHITE SQUARE CONTAINING BLACK SMALL SQUARE**
- 25A4  **SQUARE WITH HORIZONTAL FILL**
- 25A5  **SQUARE WITH VERTICAL FILL**
- 25A6  **SQUARE WITH ORTHOGONAL CROSSHATCH FILL**
- 25A7  **SQUARE WITH UPPER LEFT TO LOWER RIGHT FILL**
- 25A8  **SQUARE WITH UPPER RIGHT TO LOWER LEFT FILL**
- 25A9  **SQUARE WITH DIAGONAL CROSSHATCH FILL**
- 25AA  **BLACK SMALL SQUARE**
→ 2B1D  black very small square
- 25AB  **WHITE SMALL SQUARE**
→ 2B1E  white very small square
- 25AC  **BLACK RECTANGLE**
- 25AD  **WHITE RECTANGLE**
- 25AE  **BLACK VERTICAL RECTANGLE**
= histogram marker
→ 220E  end of proof
- 25AF  **WHITE VERTICAL RECTANGLE**
→ 2337  apl functional symbol squish quad
→ 2395  apl functional symbol quad
- 25B0  **BLACK PARALLELOGRAM**
- 25B1  **WHITE PARALLELOGRAM**
- 25B2  **BLACK UP-POINTING TRIANGLE**
→ 26F0  mountain
→ 1F53A  up-pointing red triangle
- 25B3  **WHITE UP-POINTING TRIANGLE**
= trine
→ 20E4  combining enclosing upward pointing triangle
→ 2206  increment
→ 1F702  alchemical symbol for fire
- 25B4  **BLACK UP-POINTING SMALL TRIANGLE**
→ 1F53C  up-pointing small red triangle
- 25B5  **WHITE UP-POINTING SMALL TRIANGLE**
- 25B6  **BLACK RIGHT-POINTING TRIANGLE**
- 25B7  **WHITE RIGHT-POINTING TRIANGLE**
= z notation range restriction
- 25B8  **BLACK RIGHT-POINTING SMALL TRIANGLE**
→ 2023  triangular bullet
- 25B9  **WHITE RIGHT-POINTING SMALL TRIANGLE**
- 25BA  **BLACK RIGHT-POINTING POINTER**
- 25BB  **WHITE RIGHT-POINTING POINTER**
= forward arrow indicator
→ 22B3  contains as normal subgroup

- 25BC  **BLACK DOWN-POINTING TRIANGLE**
→ 1F53B  down-pointing red triangle
- 25BD  **WHITE DOWN-POINTING TRIANGLE**
= Hamilton operator
→ 2207  nabla
→ 26DB  heavy white down-pointing triangle
→ 1F704  alchemical symbol for water
- 25BE  **BLACK DOWN-POINTING SMALL TRIANGLE**
→ 1F53D  down-pointing small red triangle
- 25BF  **WHITE DOWN-POINTING SMALL TRIANGLE**
- 25C0  **BLACK LEFT-POINTING TRIANGLE**
- 25C1  **WHITE LEFT-POINTING TRIANGLE**
= z notation domain restriction
- 25C2  **BLACK LEFT-POINTING SMALL TRIANGLE**
- 25C3  **WHITE LEFT-POINTING SMALL TRIANGLE**
- 25C4  **BLACK LEFT-POINTING POINTER**
- 25C5  **WHITE LEFT-POINTING POINTER**
= backward arrow indicator
→ 22B2  normal subgroup of
- 25C6  **BLACK DIAMOND**
→ 2666  black diamond suit
→ 2B25  black medium diamond
→ 1F536  large orange diamond
- 25C7  **WHITE DIAMOND**
→ 20DF  combining enclosing diamond
→ 22C4  diamond operator
→ 2662  white diamond suit
→ 2B26  white medium diamond
→ 1F754  alchemical symbol for soap
- 25C8  **WHITE DIAMOND CONTAINING BLACK SMALL DIAMOND**
- 25C9  **FISHEYE**
= tainome (Japanese, a kind of bullet)
- 25CA  **LOZENGE**
→ 2662  white diamond suit
- 25CB  **WHITE CIRCLE**
→ 20DD  combining enclosing circle
→ 25EF  large circle
→ 2B58  heavy circle
→ 3007  ideographic number zero
→ 1F315  full moon symbol
- 25CC  **DOTTED CIRCLE**
• note that the reference glyph for this character is intentionally larger than the dotted circle glyph used to indicate combining characters in this standard; see, for example, 0300 
- 25CD  **CIRCLE WITH VERTICAL FILL**
- 25CE  **BULLSEYE**
→ 229A  circled ring operator
→ 2B57  heavy circle with circle inside
→ 1F3AF  direct hit
- 25CF  **BLACK CIRCLE**
→ 2B24  black large circle
→ 1F311  new moon symbol
→ 1F534  large red circle
- 25D0  **CIRCLE WITH LEFT HALF BLACK**
→ 1F313  first quarter moon symbol
- 25D1  **CIRCLE WITH RIGHT HALF BLACK**
→ 1F317  last quarter moon symbol
- 25D2  **CIRCLE WITH LOWER HALF BLACK**
- 25D3  **CIRCLE WITH UPPER HALF BLACK**
- 25D4  **CIRCLE WITH UPPER RIGHT QUADRANT BLACK**

25D5	◐	CIRCLE WITH ALL BUT UPPER LEFT QUADRANT BLACK
25D6	◑	LEFT HALF BLACK CIRCLE
25D7	◒	RIGHT HALF BLACK CIRCLE
25D8	◓	INVERSE BULLET → 2022 • bullet → 25E6 ◦ white bullet
25D9	◔	INVERSE WHITE CIRCLE
25DA	◕	UPPER HALF INVERSE WHITE CIRCLE
25DB	◖	LOWER HALF INVERSE WHITE CIRCLE
25DC	◗	UPPER LEFT QUADRANT CIRCULAR ARC
25DD	◘	UPPER RIGHT QUADRANT CIRCULAR ARC
25DE	◙	LOWER RIGHT QUADRANT CIRCULAR ARC
25DF	◚	LOWER LEFT QUADRANT CIRCULAR ARC
25E0	◛	UPPER HALF CIRCLE → 2312 ◌ arc
25E1	◜	LOWER HALF CIRCLE
25E2	◝	BLACK LOWER RIGHT TRIANGLE
25E3	◞	BLACK LOWER LEFT TRIANGLE
25E4	◟	BLACK UPPER LEFT TRIANGLE
25E5	◠	BLACK UPPER RIGHT TRIANGLE
25E6	◡	WHITE BULLET → 2022 • bullet → 2218 ◦ ring operator → 25D8 ◓ inverse bullet
25E7	◢	SQUARE WITH LEFT HALF BLACK → 2B12 ◣ square with top half black
25E8	◣	SQUARE WITH RIGHT HALF BLACK
25E9	◤	SQUARE WITH UPPER LEFT DIAGONAL HALF BLACK
25EA	◥	SQUARE WITH LOWER RIGHT DIAGONAL HALF BLACK
25EB	◦	WHITE SQUARE WITH VERTICAL BISECTING LINE
25EC	◧	WHITE UP-POINTING TRIANGLE WITH DOT
25ED	◨	UP-POINTING TRIANGLE WITH LEFT HALF BLACK
25EE	◩	UP-POINTING TRIANGLE WITH RIGHT HALF BLACK
25EF	◯	LARGE CIRCLE → 20DD ⊙ combining enclosing circle → 25CB ○ white circle → 2B24 ◐ black large circle → 2B55 ⊝ heavy large circle → 3007 〇 ideographic number zero

Control code graphics

25F0	◑	WHITE SQUARE WITH UPPER LEFT QUADRANT
25F1	◒	WHITE SQUARE WITH LOWER LEFT QUADRANT
25F2	◓	WHITE SQUARE WITH LOWER RIGHT QUADRANT
25F3	◔	WHITE SQUARE WITH UPPER RIGHT QUADRANT
25F4	◕	WHITE CIRCLE WITH UPPER LEFT QUADRANT
25F5	◖	WHITE CIRCLE WITH LOWER LEFT QUADRANT
25F6	◗	WHITE CIRCLE WITH LOWER RIGHT QUADRANT
25F7	◘	WHITE CIRCLE WITH UPPER RIGHT QUADRANT

Geometric shapes

25F8	◙	UPPER LEFT TRIANGLE
25F9	◚	UPPER RIGHT TRIANGLE
25FA	◛	LOWER LEFT TRIANGLE → 22BF ◟ right triangle

25FB	◜	WHITE MEDIUM SQUARE = always (modal operator) → 25A1 ◻ white square
25FC	◝	BLACK MEDIUM SQUARE → 25A0 ◼ black square
25FD	◞	WHITE MEDIUM SMALL SQUARE → 25AB ◻ white small square
25FE	◟	BLACK MEDIUM SMALL SQUARE → 25AA ◼ black small square
25FF	◠	LOWER RIGHT TRIANGLE → 22BF ◟ right triangle

	260	261	262	263	264	265	266	267	268	269	26A	26B	26C	26D	26E	26F
0	2600	2610	2620	2630	2640	2650	2660	2670	2680	2690	26A0	26B0	26C0	26D0	26E0	26F0
1	2601	2611	2621	2631	2641	2651	2661	2671	2681	2691	26A1	26B1	26C1	26D1	26E1	26F1
2	2602	2612	2622	2632	2642	2652	2662	2672	2682	2692	26A2	26B2	26C2	26D2	26E2	26F2
3	2603	2613	2623	2633	2643	2653	2663	2673	2683	2693	26A3	26B3	26C3	26D3	26E3	26F3
4	2604	2614	2624	2634	2644	2654	2664	2674	2684	2694	26A4	26B4	26C4	26D4	26E4	26F4
5	2605	2615	2625	2635	2645	2655	2665	2675	2685	2695	26A5	26B5	26C5	26D5	26E5	26F5
6	2606	2616	2626	2636	2646	2656	2666	2676	2686	2696	26A6	26B6	26C6	26D6	26E6	26F6
7	2607	2617	2627	2637	2647	2657	2667	2677	2687	2697	26A7	26B7	26C7	26D7	26E7	26F7
8	2608	2618	2628	2638	2648	2658	2668	2678	2688	2698	26A8	26B8	26C8	26D8	26E8	26F8
9	2609	2619	2629	2639	2649	2659	2669	2679	2689	2699	26A9	26B9	26C9	26D9	26E9	26F9
A	260A	261A	262A	263A	264A	265A	266A	267A	268A	269A	26AA	26BA	26CA	26DA	26EA	26FA
B	260B	261B	262B	263B	264B	265B	266B	267B	268B	269B	26AB	26BB	26CB	26DB	26EB	26FB
C	260C	261C	262C	263C	264C	265C	266C	267C	268C	269C	26AC	26BC	26CC	26DC	26EC	26FC
D	260D	261D	262D	263D	264D	265D	266D	267D	268D	269D	26AD	26BD	26CD	26DD	26ED	26FD
E	260E	261E	262E	263E	264E	265E	266E	267E	268E	269E	26AE	26BE	26CE	26DE	26EE	26FE
F	260F	261F	262F	263F	264F	265F	266F	267F	268F	269F	26AF	26BF	26CF	26DF	26EF	26FF

Weather and astrological symbols

- 2600 ☀ BLACK SUN WITH RAYS
= clear weather
→ 2609 ☀ sun
→ 1F506 ✨ high brightness symbol
- 2601 ☁ CLOUD
= cloudy weather
- 2602 ☂ UMBRELLA
= rainy weather
→ 1F302 🌂 closed umbrella
- 2603 🧑 SNOWMAN
= snowy weather
- 2604 🌠 COMET
- 2605 ★ BLACK STAR
→ 22C6 ★ star operator
- 2606 ☆ WHITE STAR
→ 2729 ☆ stress outlined white star
→ 1F31F ✨ glowing star
- 2607 ⚡ LIGHTNING
- 2608 ⚡ THUNDERSTORM
- 2609 ☀ SUN
= alchemical symbol for gold
→ 2299 ☉ circled dot operator
→ 2600 ✨ black sun with rays
→ 263C ☀ white sun with rays
→ 1F31E 🌞 sun with face
- 260A ♁ ASCENDING NODE
= alchemical symbol for sublimate
- 260B ♁ DESCENDING NODE
= alchemical symbol for purify
→ 1F763 ♁ alchemical symbol for purify
- 260C ♁ CONJUNCTION
= alchemical symbol for day
- 260D ♁ OPPOSITION

Miscellaneous symbols

- 260E ☎ BLACK TELEPHONE
→ 2121 ☎ telephone sign
→ 2706 ☎ telephone location sign
→ 1F4DE 📞 telephone receiver
- 260F ☎ WHITE TELEPHONE
- 2610 □ BALLOT BOX
→ 25A1 □ white square
- 2611 ☑ BALLOT BOX WITH CHECK
- 2612 ☒ BALLOT BOX WITH X
→ 22A0 ☒ squared times
- 2613 ✕ SALTIRE
= St. Andrew's Cross
→ 2717 ✕ ballot x

Weather symbol

- 2614 ☂ UMBRELLA WITH RAIN DROPS
= showery weather

Miscellaneous symbol

- 2615 ☺ HOT BEVERAGE
= tea or coffee, depending on locale
• can be used to indicate a wait
→ 231A ⌚ watch
→ 231B ⌚ hourglass
→ 1F375 ☺ teacup without handle

Japanese chess symbols

- 2616 ♔ WHITE SHOGI PIECE
- 2617 ♚ BLACK SHOGI PIECE

Miscellaneous symbols

- 2618 ♁ SHAMROCK
→ 1F340 🍀 four leaf clover
- 2619 🌀 REVERSED ROTATED FLORAL HEART BULLET
• a binding signature mark
→ 2767 🌀 rotated floral heart bullet

Pointing hand symbols

- 261A 🖐 BLACK LEFT POINTING INDEX
- 261B 🖐 BLACK RIGHT POINTING INDEX
- 261C 🖐 WHITE LEFT POINTING INDEX
→ 1F448 🖐 white left pointing backhand index
- 261D 🖐 WHITE UP POINTING INDEX
- 261E 🖐 WHITE RIGHT POINTING INDEX
= fist (typographic term)
- 261F 🖐 WHITE DOWN POINTING INDEX

Warning signs

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

Medical and healing symbols

- 2624 ☯ CADUCEUS
→ 2695 🏆 staff of aesculapius
→ 1F750 ⚗ alchemical symbol for caduceus
- 2625 ♀ ANKH

Religious and political symbols

- 2626 ☩ ORTHODOX CROSS
- 2627 ⚡ CHI RHO
= Constantine's cross, Christogram
→ 2CE9 ⚡ coptic symbol khi ro
- 2628 † CROSS OF LORRAINE
- 2629 ⚡ CROSS OF JERUSALEM
→ 1F70A ⚡ alchemical symbol for vinegar
- 262A 🌙 STAR AND CRESCENT
- 262B 🇮🇷 FARSI SYMBOL
= symbol of iran (1.0)
- 262C 🏳️ ADI SHAKTI
= Gurmukhi khanda
- 262D 🛠 HAMMER AND SICKLE
- 262E ☮ PEACE SYMBOL
- 262F ☯ YIN YANG
→ 0FCA ☯ tibetan symbol nor bu nyis -khyil

Yijing trigram symbols

- 2630 ☰ TRIGRAM FOR HEAVEN
= qian2
- 2631 ☱ TRIGRAM FOR LAKE
= dui4
- 2632 ☲ TRIGRAM FOR FIRE
= li2
- 2633 ☳ TRIGRAM FOR THUNDER
= zhen4
- 2634 ☴ TRIGRAM FOR WIND
= xun4
- 2635 ☵ TRIGRAM FOR WATER
= kan3
- 2636 ☶ TRIGRAM FOR MOUNTAIN
= gen4
- 2637 ☷ TRIGRAM FOR EARTH
= kun1

Miscellaneous symbol

2638 ☸ **WHEEL OF DHARMA**
→ 2388 ☸ helm symbol

Emoticons

Many other emoticons are encoded in the Emoticons block starting at U+1F600.

2639 ☹ **WHITE FROWNING FACE**

263A 😊 **WHITE SMILING FACE**
= have a nice day!

263B 😄 **BLACK SMILING FACE**

Miscellaneous symbol

263C ☀ **WHITE SUN WITH RAYS**
= compass
→ 2609 ☀ sun
→ 1F506 ✨ high brightness symbol

Astrological symbols

263D ☾ **FIRST QUARTER MOON**
= alchemical symbol for silver

263E ☾ **LAST QUARTER MOON**
= alchemical symbol for silver
→ 1F319 🌘 crescent moon

263F ♿ **MERCURY**
= alchemical symbol for quicksilver

2640 ♀ **FEMALE SIGN**
= Venus
= alchemical symbol for copper
→ 1F469 🧑 woman
→ 1F6BA 🚺 womens symbol

2641 ♂ **EARTH**
= alchemical symbol for antimony
→ 1F728 ⚔ alchemical symbol for verdigris

2642 ♂ **MALE SIGN**
= Mars
= alchemical symbol for iron
→ 1F468 🧑 man
→ 1F6B9 🚹 mens symbol

2643 ♃ **JUPITER**
= alchemical symbol for tin

2644 ♄ **SATURN**
= alchemical symbol for lead

2645 ♅ **URANUS**
→ 26E2 ♂ astronomical symbol for uranus

2646 ♆ **NEPTUNE**
= alchemical symbol for bismuth/tinglass

2647 ♇ **PLUTO**

Zodiacal symbols

2648 ♈ **ARIES**

2649 ♉ **TAURUS**

264A ♊ **GEMINI**

264B ♋ **CANCER**

264C ♌ **LEO**

264D ♍ **VIRGO**
= minim (alternate glyph)

264E ♎ **LIBRA**
→ 1F75E ⚖ alchemical symbol for sublimation

264F ♏ **SCORPIUS**
= scorpio
= minim, drop

2650 ♐ **SAGITTARIUS**

2651 ♑ **CAPRICORN**

2652 ♒ **AQUARIUS**

2653 ♓ **PISCES**

Chess symbols

2654 ♔ **WHITE CHESS KING**

2655 ♑ **WHITE CHESS QUEEN**

2656 ♖ **WHITE CHESS ROOK**

2657 ♗ **WHITE CHESS BISHOP**

2658 ♘ **WHITE CHESS KNIGHT**

2659 ♙ **WHITE CHESS PAWN**

265A ♚ **BLACK CHESS KING**

265B ♛ **BLACK CHESS QUEEN**

265C ♜ **BLACK CHESS ROOK**

265D ♝ **BLACK CHESS BISHOP**

265E ♞ **BLACK CHESS KNIGHT**

265F ♟ **BLACK CHESS PAWN**

Playing card symbols

2660 ♠ **BLACK SPADE SUIT**

2661 ♥ **WHITE HEART SUIT**

2662 ♦ **WHITE DIAMOND SUIT**
→ 25C7 ⬠ white diamond
→ 25CA ⬠ lozenge

2663 ♣ **BLACK CLUB SUIT**
→ 2618 ♣ shamrock

2664 ♠ **WHITE SPADE SUIT**

2665 ♥ **BLACK HEART SUIT**
= valentine
→ 2764 ♠ heavy black heart
→ 1F499 ♥ blue heart

2666 ♠ **BLACK DIAMOND SUIT**
→ 25C6 ♠ black diamond

2667 ♣ **WHITE CLUB SUIT**

Miscellaneous symbol

2668 ♨ **HOT SPRINGS**

Musical symbols

2669 ♩ **QUARTER NOTE**
= crotchet
→ 1D15F ♩ musical symbol quarter note

266A ♪ **EIGHTH NOTE**
= quaver
→ 1D160 ♪ musical symbol eighth note
→ 1F3B5 🎵 musical note

266B ♫ **BEAMED EIGHTH NOTES**
= beamed quavers
→ 1F3B6 🎵 multiple musical notes

266C ♪ **BEAMED SIXTEENTH NOTES**
= beamed semiquavers

266D ♭ **MUSIC FLAT SIGN**

266E ♮ **MUSIC NATURAL SIGN**

266F ♯ **MUSIC SHARP SIGN**
= z notation infix bag count
→ 0023 # number sign

Syriac cross symbols

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

2670 𐐪 **WEST SYRIAC CROSS**

2671 𐐫 **EAST SYRIAC CROSS**

Recycling symbols

2672 ♻ **UNIVERSAL RECYCLING SYMBOL**
• used as generic symbol for recycling or to indicate that material is recyclable

- 2673 ♻️ RECYCLING SYMBOL FOR TYPE-1 PLASTICS
• polyethylene terephthalate
- 2674 ♻️ RECYCLING SYMBOL FOR TYPE-2 PLASTICS
• high density polyethylene
- 2675 ♻️ RECYCLING SYMBOL FOR TYPE-3 PLASTICS
• vinyl, polyvinyl chloride
- 2676 ♻️ RECYCLING SYMBOL FOR TYPE-4 PLASTICS
• low density polyethylene
- 2677 ♻️ RECYCLING SYMBOL FOR TYPE-5 PLASTICS
• polypropylene
- 2678 ♻️ RECYCLING SYMBOL FOR TYPE-6 PLASTICS
• polystyrene
- 2679 ♻️ RECYCLING SYMBOL FOR TYPE-7 PLASTICS
• other plastics
- 267A ♻️ RECYCLING SYMBOL FOR GENERIC MATERIALS
• used together with other text and labels to indicate the type of material to be recycled
- 267B ♻️ BLACK UNIVERSAL RECYCLING SYMBOL
→ 1F501 ↻ clockwise rightwards and leftwards open circle arrows
- 267C ♻️ RECYCLED PAPER SYMBOL
• used to indicate 100% recycled paper content
- 267D ♻️ PARTIALLY-RECYCLED PAPER SYMBOL
• percentage of recycled paper content indicated in overlay or next to this symbol

Miscellaneous symbols

- 267E 📄 PERMANENT PAPER SIGN
- 267F ♿ WHEELCHAIR SYMBOL

Dice

- 2680 🎲 DIE FACE-1
→ 1F3B2 🎲 game die
- 2681 🎲 DIE FACE-2
- 2682 🎲 DIE FACE-3
- 2683 🎲 DIE FACE-4
- 2684 🎲 DIE FACE-5
- 2685 🎲 DIE FACE-6

Go markers

- 2686 ⦿ WHITE CIRCLE WITH DOT RIGHT
- 2687 ☺ WHITE CIRCLE WITH TWO DOTS
→ 1F636 😊 face without mouth
- 2688 ⬤ BLACK CIRCLE WITH WHITE DOT RIGHT
- 2689 ⬤ BLACK CIRCLE WITH TWO WHITE DOTS

Yijing monogram and digram symbols

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

- 268A ☯ MONOGRAM FOR YANG
- 268B ☯ MONOGRAM FOR YIN
- 268C ☰ DIGRAM FOR GREATER YANG
- 268D ☱ DIGRAM FOR LESSER YIN
- 268E ☲ DIGRAM FOR LESSER YANG
- 268F ☳ DIGRAM FOR GREATER YIN

Dictionary and map symbols

- 2690 🚩 WHITE FLAG
- 2691 🚩 BLACK FLAG
- 2692 ⚒ HAMMER AND PICK
= mining, working day (in timetables)
→ 26CF ⚒ pick
- 2693 ⚓ ANCHOR
= nautical term, harbor (on maps)

- 2694 ✂ CROSSED SWORDS
= military term, battleground (on maps), killed in action
- 2695 ⚕ STAFF OF AESCULAPIUS
= medical term
• both inclined or upright renderings of this symbol are common
→ 2624 🏛 caduceus
- 2696 ⚖ SCALES
= legal term, jurisprudence
- 2697 ⚗ ALEMBIC
= chemical term, chemistry
- 2698 🌸 FLOWER
= botanical term
→ 2055 * flower punctuation mark
→ 2740 🌸 white florette
→ 1F337 🌷 tulip
- 2699 ⚙ GEAR
= technology, tools
- 269A ⚡ STAFF OF HERMES
• signifies a commercial term or commerce
• glyph shows a heraldic staff with a winged wheel
- 269B ☢ ATOM SYMBOL
= nuclear installation (on maps)

Miscellaneous symbols

- 269C 🌸 FLEUR-DE-LIS
- 269D ☆ OUTLINED WHITE STAR
• alternative form of the interlaced pentagram (a symbol of Morocco)
→ 26E5 ⚡ right-handed interlaced pentagram

Symbols for closed captioning from ARIB STD B24

- 269E ≧ THREE LINES CONVERGING RIGHT
= someone speaking
- 269F ≦ THREE LINES CONVERGING LEFT
= background speaking

Miscellaneous symbols

- 26A0 ⚠ WARNING SIGN
- 26A1 ⚡ HIGH VOLTAGE SIGN
= thunder
= lightning symbol

Gender symbols

- 26A2 ♀ DOUBLED FEMALE SIGN
= lesbianism
→ 1F46D 👯 two women holding hands
- 26A3 ♂ DOUBLED MALE SIGN
• a glyph variant has the two circles on the same line
= male homosexuality
→ 1F46C 👯 two men holding hands
- 26A4 ⚧ INTERLOCKED FEMALE AND MALE SIGN
• a glyph variant has the two circles on the same line
= bisexuality
- 26A5 ⚧ MALE AND FEMALE SIGN
= transgendered sexuality
= hermaphrodite (in entomology)
- 26A6 ⚧ MALE WITH STROKE SIGN
= transgendered sexuality
= alchemical symbol for iron or crocus of iron
- 26A7 ⚧ MALE WITH STROKE AND MALE AND FEMALE SIGN
= transgendered sexuality

- 26A8 ♂ VERTICAL MALE WITH STROKE SIGN
= alchemical symbol for iron
- 26A9 ♂ HORIZONTAL MALE WITH STROKE SIGN
= alchemical symbol for iron

Circles

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

Genealogical symbols

- 26AD ∞ MARRIAGE SYMBOL
→ 221E ∞ infinity
→ 1F492 ⚗ wedding
- 26AE ∞ DIVORCE SYMBOL
→ 29DE ⚗ infinity negated with vertical bar
- 26AF ○ UNMARRIED PARTNERSHIP SYMBOL
→ 29DF ∞ double-ended multimap
- 26B0 ☩ COFFIN
= buried (genealogy)
→ 25AD ☐ white rectangle
- 26B1 ☪ FUNERAL URN
= cremated (genealogy)

Gender symbol

- 26B2 ♀ NEUTER

Astrological signs

- 26B3 ♃ CERES
- 26B4 ♃ PALLAS
- 26B5 ♃ JUNO
- 26B6 ♃ VESTA
- 26B7 ♃ CHIRON
- 26B8 ♃ BLACK MOON LILITH
- 26B9 * SEXTILE
→ 002A * asterisk
→ 1F739 ✨ alchemical symbol for sal-ammoniac
- 26BA ♃ SEMISEXTILE
→ 22BB ♃ xor
- 26BB π QUINCUNX
→ 22BC π nand
- 26BC ☐ SESQUIQUADRATE

Sport symbols

See other sport symbols in the *Miscellaneous Symbols and Pictographs* block.

- 26BD ⚽ SOCCER BALL
- 26BE ⚾ BASEBALL

Miscellaneous symbol from ARIB STD B24

- 26BF 🔒 SQUARED KEY
= parental lock
→ 1F511 🔒 key

Symbols for draughts and checkers

- 26C0 ♖ WHITE DRAUGHTS MAN
- 26C1 ♗ WHITE DRAUGHTS KING
- 26C2 ♜ BLACK DRAUGHTS MAN
- 26C3 ♝ BLACK DRAUGHTS KING

Weather symbols from ARIB STD B24

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

Game symbols from ARIB STD B24

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

Traffic signs from ARIB STD B24

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


Zodiacal symbol

- 26CE ♏ OPHIUCHUS

Traffic signs from ARIB STD B24

- 26CF ⚧ PICK
= under construction
→ 2692 ⚧ hammer and pick
→ 1F6A7 🚧 construction sign
- 26D0 🚲 CAR SLIDING
= icy road
- 26D1 🛑 HELMET WITH WHITE CROSS
= maintenance
- 26D2 ⓧ CIRCLED CROSSING LANES
= road closed
→ 2297 ⓧ circled times
- 26D3 🛑 CHAINS
= tyre chains required
- 26D4 🚫 NO ENTRY
→ 1F6AB 🚫 no entry sign
- 26D5 🚦 ALTERNATE ONE-WAY LEFT WAY TRAFFIC
• left side traffic
- 26D6 🚦 BLACK TWO-WAY LEFT WAY TRAFFIC
• left side traffic
- 26D7 🚦 WHITE TWO-WAY LEFT WAY TRAFFIC
• left side traffic
- 26D8 🚦 BLACK LEFT LANE MERGE
• left side traffic
- 26D9 🚦 WHITE LEFT LANE MERGE
• left side traffic
- 26DA 🚧 DRIVE SLOW SIGN
- 26DB ⚠️ HEAVY WHITE DOWN-POINTING TRIANGLE
= drive slow
→ 25BD ⚠️ white down-pointing triangle
- 26DC 🚧 LEFT CLOSED ENTRY
- 26DD ⓧ SQUARED SALTIRE
= closed entry
→ 22A0 ⓧ squared times
- 26DE 🚫 FALLING DIAGONAL IN WHITE CIRCLE IN BLACK SQUARE
= closed to large vehicles

26DF  BLACK TRUCK
= black lorry
= closed to large vehicles, alternate
→ 1F69A  delivery truck


26E0  RESTRICTED LEFT ENTRY-1

26E1  RESTRICTED LEFT ENTRY-2

Astronomical symbol



26E2  ASTRONOMICAL SYMBOL FOR URANUS
→ 2645  uranus

Map symbol from ARIB STD B24

26E3  HEAVY CIRCLE WITH STROKE AND TWO DOTS ABOVE
= public office

Pentagram symbols

These are mystic or occult symbols.

26E4  PENTAGRAM
= pentalpha, pentangle
• symbol of various uses, including symbol on Moroccan flag
→ 2606  white star


26E5  RIGHT-HANDED INTERLACED PENTAGRAM
• symbol of various countries, including Morocco
→ 269D  outlined white star

26E6  LEFT-HANDED INTERLACED PENTAGRAM
• symbol of various countries, including Ethiopia

26E7  INVERTED PENTAGRAM


Map symbols from ARIB STD B24



26E8  BLACK CROSS ON SHIELD
= hospital
→ 1F3E5  hospital

26E9  SHINTO SHRINE
= torii


26EA  CHURCH

26EB  CASTLE
→ 1F3F0  european castle



26EC  HISTORIC SITE
→ 2234 ∴ therefore

26ED  GEAR WITHOUT HUB
= factory
→ 2699  gear



26EE  GEAR WITH HANDLES
= power plant, power substation



26EF  MAP SYMBOL FOR LIGHTHOUSE



26F0  MOUNTAIN
→ 25B2  black up-pointing triangle

26F1  UMBRELLA ON GROUND
= bathing beach
→ 2602  umbrella



26F2  FOUNTAIN
= park

26F3  FLAG IN HOLE
= golf course
→ 1F6A9  triangular flag on post

26F4  FERRY
= ferry boat terminal
→ 1F6A2  ship


26F5  SAILBOAT
= marina or yacht harbour
→ 1F6A3  rowboat

26F6  SQUARE FOUR CORNERS
= intersection


26F7  SKIER
= ski resort
→ 1F3BF  ski and ski boot

26F8  ICE SKATE
= ice skating rink

26F9  PERSON WITH BALL
= track and field, gymnasium


26FA  TENT
= camping site














































26FB  JAPANESE BANK SYMBOL
→ 1F3E6  bank

26FC  HEADSTONE GRAVEYARD SYMBOL
= graveyard, memorial park, cemetery

26FD  FUEL PUMP
= petrol station, gas station

26FE  CUP ON BLACK SQUARE
= drive-in restaurant
→ 2615  hot beverage
→ 1F375  teacup without handle

26FF  WHITE FLAG WITH HORIZONTAL MIDDLE BLACK STRIPE
= Japanese self-defence force site

	270	271	272	273	274	275	276	277	278	279	27A	27B
0	 2700	 2710	 2720	 2730	 2740	 2750	 2760	 2770	 2780	 2790	 27A0	 27B0
1	 2701	 2711	 2721	 2731	 2741	 2751	 2761	 2771	 2781	 2791	 27A1	 27B1
2	 2702	 2712	 2722	 2732	 2742	 2752	 2762	 2772	 2782	 2792	 27A2	 27B2
3	 2703	 2713	 2723	 2733	 2743	 2753	 2763	 2773	 2783	 2793	 27A3	 27B3
4	 2704	 2714	 2724	 2734	 2744	 2754	 2764	 2774	 2784	 2794	 27A4	 27B4
5	 2705	 2715	 2725	 2735	 2745	 2755	 2765	 2775	 2785	 2795	 27A5	 27B5
6	 2706	 2716	 2726	 2736	 2746	 2756	 2766	 2776	 2786	 2796	 27A6	 27B6
7	 2707	 2717	 2727	 2737	 2747	 2757	 2767	 2777	 2787	 2797	 27A7	 27B7
8	 2708	 2718	 2728	 2738	 2748	 2758	 2768	 2778	 2788	 2798	 27A8	 27B8
9	 2709	 2719	 2729	 2739	 2749	 2759	 2769	 2779	 2789	 2799	 27A9	 27B9
A	 270A	 271A	 272A	 273A	 274A	 275A	 276A	 277A	 278A	 279A	 27AA	 27BA
B	 270B	 271B	 272B	 273B	 274B	 275B	 276B	 277B	 278B	 279B	 27AB	 27BB
C	 270C	 271C	 272C	 273C	 274C	 275C	 276C	 277C	 278C	 279C	 27AC	 27BC
D	 270D	 271D	 272D	 273D	 274D	 275D	 276D	 277D	 278D	 279D	 27AD	 27BD
E	 270E	 271E	 272E	 273E	 274E	 275E	 276E	 277E	 278E	 279E	 27AE	 27BE
F	 270F	 271F	 272F	 273F	 274F	 275F	 276F	 277F	 278F	 279F	 27AF	 27BF

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

- 260E ☎ black telephone
- 261B ☛ black right pointing index
- 261E ☜ white right pointing index
- 2605 ★ black star
- 25CF ● black circle
- 25A0 ■ black square
- 25B2 ▲ black up-pointing triangle
- 25BC ▼ black down-pointing triangle
- 25C6 ◆ black diamond
- 2192 → rightwards arrow
- 2194 ↔ left right arrow
- 2195 ↓ up down arrow

Miscellaneous

- 2700 ✂ CHILDS BLACK SCISSORS
= w-2038
• form a pair with 2704 ✂ white scissors
- 2701 ✂ UPPER BLADE SCISSORS
- 2702 ✂ BLACK SCISSORS
- 2703 ✂ LOWER BLADE SCISSORS
- 2704 ✂ WHITE SCISSORS
- 2705 ✓ WHITE HEAVY CHECK MARK
→ 2714 ✓ heavy check mark
- 2706 ☎ TELEPHONE LOCATION SIGN
→ 2121 ☎ telephone sign
→ 1F4DE ☎ telephone receiver
- 2707 📀 TAPE DRIVE
- 2708 ✈ AIRPLANE
- 2709 ✉ ENVELOPE
→ 1F4E8 ✉ incoming envelope
- 270A 🖊 RAISED FIST
= rock in Rock, Paper, Scissors game
→ 1F44A 🖊 fistful hand sign
- 270B 🖐 RAISED HAND
= paper in Rock, Paper, Scissors game
→ 1F44B 🖐 waving hand sign
- 270C ✂ VICTORY HAND
= scissors in Rock, Paper, Scissors game
- 270D 🖊 WRITING HAND
- 270E 🖊 LOWER RIGHT PENCIL
- 270F 🖊 PENCIL
- 2710 🖊 UPPER RIGHT PENCIL
- 2711 🖊 WHITE NIB
- 2712 🖊 BLACK NIB
- 2713 ✓ CHECK MARK
→ 221A ✓ square root
- 2714 ✓ HEAVY CHECK MARK
- 2715 ✖ MULTIPLICATION X
→ 00D7 ✖ multiplication sign
→ 2573 ✖ box drawings light diagonal cross
- 2716 ✖ HEAVY MULTIPLICATION X
- 2717 ✖ BALLOT X
→ 2613 ✖ saltire
- 2718 ✖ HEAVY BALLOT X
- ### Crosses
- 2719 ☩ OUTLINED GREEK CROSS
- 271A ☩ HEAVY GREEK CROSS
- 271B ☩ OPEN CENTRE CROSS

- 271C ☩ HEAVY OPEN CENTRE CROSS
- 271D ☩ LATIN CROSS
- 271E ☩ SHADOWED WHITE LATIN CROSS
- 271F ☩ OUTLINED LATIN CROSS
- 2720 ☩ MALTESE CROSS

- Historically, the Maltese cross took many forms; the shape shown in the Zapf Dingbats is similar to one known as the Cross Formée.

Stars, asterisks and snowflakes

- 2721 ☆ STAR OF DAVID
→ 1F52F ☆ six pointed star with middle dot
- 2722 ✦ FOUR TEARDROP-SPOKED ASTERISK
- 2723 ✨ FOUR BALLOON-SPOKED ASTERISK
- 2724 ✨ HEAVY FOUR BALLOON-SPOKED ASTERISK
- 2725 ✨ FOUR CLUB-SPOKED ASTERISK
- 2726 ◆ BLACK FOUR POINTED STAR
- 2727 ☆ WHITE FOUR POINTED STAR
- 2728 ✨ SPARKLES
- 2729 ☆ STRESS OUTLINED WHITE STAR
→ 2606 ☆ white star
- 272A ☆ CIRCLED WHITE STAR
- 272B ☆ OPEN CENTRE BLACK STAR
- 272C ☆ BLACK CENTRE WHITE STAR
- 272D ☆ OUTLINED BLACK STAR
- 272E ☆ HEAVY OUTLINED BLACK STAR
- 272F ☆ PINWHEEL STAR
- 2730 ☆ SHADOWED WHITE STAR
- 2731 ✨ HEAVY ASTERISK
→ 002A ✨ asterisk
- 2732 ✨ OPEN CENTRE ASTERISK
- 2733 ✨ EIGHT SPOKED ASTERISK
- 2734 ✨ EIGHT POINTED BLACK STAR
- 2735 ✨ EIGHT POINTED PINWHEEL STAR
- 2736 ✨ SIX POINTED BLACK STAR
= sextile
- 2737 ✨ EIGHT POINTED RECTILINEAR BLACK STAR
- 2738 ✨ HEAVY EIGHT POINTED RECTILINEAR BLACK STAR
- 2739 ✨ TWELVE POINTED BLACK STAR
- 273A ✨ SIXTEEN POINTED ASTERISK
= starburst
- 273B ✨ TEARDROP-SPOKED ASTERISK
- 273C ✨ OPEN CENTRE TEARDROP-SPOKED ASTERISK
- 273D ✨ HEAVY TEARDROP-SPOKED ASTERISK
- 273E ✨ SIX PETALLED BLACK AND WHITE FLORETTE
- 273F ✨ BLACK FLORETTE
- 2740 ✨ WHITE FLORETTE
→ 1F4AE ✨ white flower
- 2741 ✨ EIGHT PETALLED OUTLINED BLACK FLORETTE
- 2742 ✨ CIRCLED OPEN CENTRE EIGHT POINTED STAR
- 2743 ✨ HEAVY TEARDROP-SPOKED PINWHEEL ASTERISK
- 2744 ✨ SNOWFLAKE
- 2745 ✨ TIGHT TRIFOLIATE SNOWFLAKE
- 2746 ✨ HEAVY CHEVRON SNOWFLAKE
- 2747 ✨ SPARKLE
- 2748 ✨ HEAVY SPARKLE
- 2749 ✨ BALLOON-SPOKED ASTERISK
= jack
- 274A ✨ EIGHT TEARDROP-SPOKED PROPELLER ASTERISK

274B * HEAVY EIGHT TEARDROP-SPOKED PROPELLER
ASTERISK
= turbofan

Miscellaneous

274C ✕ CROSS MARK

• forms a game tally pair with 2B55 ○
→ 00D7 × multiplication sign

274D ○ SHADOWED WHITE CIRCLE

274E ☒ NEGATIVE SQUARED CROSS MARK

274F ◻ LOWER RIGHT DROP-SHADOWED WHITE SQUARE

2750 ◻ UPPER RIGHT DROP-SHADOWED WHITE SQUARE

2751 ◻ LOWER RIGHT SHADOWED WHITE SQUARE

2752 ◻ UPPER RIGHT SHADOWED WHITE SQUARE

2753 ? BLACK QUESTION MARK ORNAMENT

2754 ☞ WHITE QUESTION MARK ORNAMENT

2755 ! WHITE EXCLAMATION MARK ORNAMENT

2756 ❖ BLACK DIAMOND MINUS WHITE X

2757 ! HEAVY EXCLAMATION MARK SYMBOL
= obstacles on the road, ARIB STD B24

2758 | LIGHT VERTICAL BAR

→ 007C | vertical line

2759 | MEDIUM VERTICAL BAR

275A || HEAVY VERTICAL BAR

Punctuation ornaments

275B ‘ HEAVY SINGLE TURNED COMMA QUOTATION MARK ORNAMENT

→ 2018 ‘ left single quotation mark

275C ’ HEAVY SINGLE COMMA QUOTATION MARK ORNAMENT

→ 2019 ’ right single quotation mark

275D “ HEAVY DOUBLE TURNED COMMA QUOTATION MARK ORNAMENT

→ 201C “ left double quotation mark

275E ” HEAVY DOUBLE COMMA QUOTATION MARK ORNAMENT

→ 201D ” right double quotation mark

275F ‚ HEAVY LOW SINGLE COMMA QUOTATION MARK ORNAMENT

→ 201A ‚ single low-9 quotation mark

2760 „ HEAVY LOW DOUBLE COMMA QUOTATION MARK ORNAMENT

→ 201E „ double low-9 quotation mark

2761 ¶ CURVED STEM PARAGRAPH SIGN ORNAMENT

→ 00B6 ¶ pilcrow sign

2762 ! HEAVY EXCLAMATION MARK ORNAMENT

→ 0021 ! exclamation mark

2763 ♥ HEAVY HEART EXCLAMATION MARK ORNAMENT

2764 ♥ HEAVY BLACK HEART

→ 2665 ♥ black heart suit

2765 ♡ ROTATED HEAVY BLACK HEART BULLET

2766 🍀 FLORAL HEART

= Aldus leaf

2767 🍂 ROTATED FLORAL HEART BULLET

= hederia, ivy leaf

→ 2619 🍂 reversed rotated floral heart bullet

Ornamental brackets

2768 (MEDIUM LEFT PARENTHESIS ORNAMENT

→ 0028 (left parenthesis

2769) MEDIUM RIGHT PARENTHESIS ORNAMENT
→ 0029) right parenthesis

276A (MEDIUM FLATTENED LEFT PARENTHESIS ORNAMENT

276B) MEDIUM FLATTENED RIGHT PARENTHESIS ORNAMENT

276C (MEDIUM LEFT-POINTING ANGLE BRACKET ORNAMENT

→ 2329 < left-pointing angle bracket

276D) MEDIUM RIGHT-POINTING ANGLE BRACKET ORNAMENT

→ 232A > right-pointing angle bracket

276E ◀ HEAVY LEFT-POINTING ANGLE QUOTATION MARK ORNAMENT

→ 2039 < single left-pointing angle quotation mark

276F ▶ HEAVY RIGHT-POINTING ANGLE QUOTATION MARK ORNAMENT

→ 203A > single right-pointing angle quotation mark

2770 ⚡ HEAVY LEFT-POINTING ANGLE BRACKET ORNAMENT

2771 ⚡ HEAVY RIGHT-POINTING ANGLE BRACKET ORNAMENT

2772 { LIGHT LEFT TORTOISE SHELL BRACKET ORNAMENT

→ 3014 { left tortoise shell bracket

2773 } LIGHT RIGHT TORTOISE SHELL BRACKET ORNAMENT

→ 3015 } right tortoise shell bracket

2774 { MEDIUM LEFT CURLY BRACKET ORNAMENT

→ 007B { left curly bracket

2775 } MEDIUM RIGHT CURLY BRACKET ORNAMENT

→ 007D } right curly bracket

Dingbat circled digits

2776 ❶ DINGBAT NEGATIVE CIRCLED DIGIT ONE

2777 ❷ DINGBAT NEGATIVE CIRCLED DIGIT TWO

2778 ❸ DINGBAT NEGATIVE CIRCLED DIGIT THREE

2779 ❹ DINGBAT NEGATIVE CIRCLED DIGIT FOUR

277A ❺ DINGBAT NEGATIVE CIRCLED DIGIT FIVE

277B ❻ DINGBAT NEGATIVE CIRCLED DIGIT SIX

277C ❼ DINGBAT NEGATIVE CIRCLED DIGIT SEVEN

277D ❽ DINGBAT NEGATIVE CIRCLED DIGIT EIGHT

277E ❾ DINGBAT NEGATIVE CIRCLED DIGIT NINE

277F ❿ DINGBAT NEGATIVE CIRCLED NUMBER TEN

2780 ① DINGBAT CIRCLED SANS-SERIF DIGIT ONE

2781 ② DINGBAT CIRCLED SANS-SERIF DIGIT TWO

2782 ③ DINGBAT CIRCLED SANS-SERIF DIGIT THREE

2783 ④ DINGBAT CIRCLED SANS-SERIF DIGIT FOUR

2784 ⑤ DINGBAT CIRCLED SANS-SERIF DIGIT FIVE

2785 ⑥ DINGBAT CIRCLED SANS-SERIF DIGIT SIX

2786 ⑦ DINGBAT CIRCLED SANS-SERIF DIGIT SEVEN

2787 ⑧ DINGBAT CIRCLED SANS-SERIF DIGIT EIGHT

2788 ⑨ DINGBAT CIRCLED SANS-SERIF DIGIT NINE

2789 ⑩ DINGBAT CIRCLED SANS-SERIF NUMBER TEN

278A ❶ DINGBAT NEGATIVE CIRCLED SANS-SERIF DIGIT ONE

278B ❷ DINGBAT NEGATIVE CIRCLED SANS-SERIF DIGIT TWO

278C ❸ DINGBAT NEGATIVE CIRCLED SANS-SERIF DIGIT THREE

278D ❹ DINGBAT NEGATIVE CIRCLED SANS-SERIF DIGIT FOUR

278E	⑤	DINGBAT NEGATIVE CIRCLED SANS-SERIF DIGIT FIVE
278F	⑥	DINGBAT NEGATIVE CIRCLED SANS-SERIF DIGIT SIX
2790	⑦	DINGBAT NEGATIVE CIRCLED SANS-SERIF DIGIT SEVEN
2791	⑧	DINGBAT NEGATIVE CIRCLED SANS-SERIF DIGIT EIGHT
2792	⑨	DINGBAT NEGATIVE CIRCLED SANS-SERIF DIGIT NINE
2793	⑩	DINGBAT NEGATIVE CIRCLED SANS-SERIF NUMBER TEN

Dingbat arrow

2794 → HEAVY WIDE-HEADED RIGHTWARDS ARROW

Heavy variants of arithmetic symbols

2795 + HEAVY PLUS SIGN

→ 002B + plus sign

2796 − HEAVY MINUS SIGN

→ 2212 − minus sign

2797 ÷ HEAVY DIVISION SIGN

→ 00F7 ÷ division sign

Dingbat arrows

2798	↘	HEAVY SOUTH EAST ARROW
2799	→	HEAVY RIGHTWARDS ARROW
279A	↗	HEAVY NORTH EAST ARROW
279B	↘	DRAFTING POINT RIGHTWARDS ARROW
279C	➔	HEAVY ROUND-TIPPED RIGHTWARDS ARROW
279D	→	TRIANGLE-HEADED RIGHTWARDS ARROW
279E	→	HEAVY TRIANGLE-HEADED RIGHTWARDS ARROW
279F	⇨	DASHED TRIANGLE-HEADED RIGHTWARDS ARROW
27A0	⇨	HEAVY DASHED TRIANGLE-HEADED RIGHTWARDS ARROW
27A1	➡	BLACK RIGHTWARDS ARROW
		• fonts may harmonize this glyph with the style for other black arrows
		→ 2B05 ← leftwards black arrow
27A2	➤	THREE-D TOP-LIGHTED RIGHTWARDS ARROWHEAD
27A3	➤	THREE-D BOTTOM-LIGHTED RIGHTWARDS ARROWHEAD
27A4	➤	BLACK RIGHTWARDS ARROWHEAD
27A5	↩	HEAVY BLACK CURVED DOWNWARDS AND RIGHTWARDS ARROW
27A6	↪	HEAVY BLACK CURVED UPWARDS AND RIGHTWARDS ARROW
27A7	➡	SQUAT BLACK RIGHTWARDS ARROW
27A8	➡	HEAVY CONCAVE-POINTED BLACK RIGHTWARDS ARROW
27A9	⇨	RIGHT-SHADED WHITE RIGHTWARDS ARROW
27AA	⇨	LEFT-SHADED WHITE RIGHTWARDS ARROW
27AB	⇨	BACK-TILTED SHADOWED WHITE RIGHTWARDS ARROW
27AC	⇨	FRONT-TILTED SHADOWED WHITE RIGHTWARDS ARROW
27AD	⇨	HEAVY LOWER RIGHT-SHADOWED WHITE RIGHTWARDS ARROW
27AE	⇨	HEAVY UPPER RIGHT-SHADOWED WHITE RIGHTWARDS ARROW
27AF	⇨	NOTCHED LOWER RIGHT-SHADOWED WHITE RIGHTWARDS ARROW

Miscellaneous





















































































































27B0 ㄥ CURLY LOOP
= kururi

Dingbat arrows

27B1	⇨	NOTCHED UPPER RIGHT-SHADOWED WHITE RIGHTWARDS ARROW
27B2	↻	CIRCLED HEAVY WHITE RIGHTWARDS ARROW
27B3	➤	WHITE-FEATHERED RIGHTWARDS ARROW
27B4	↘	BLACK-FEATHERED SOUTH EAST ARROW
27B5	➤	BLACK-FEATHERED RIGHTWARDS ARROW
27B6	↗	BLACK-FEATHERED NORTH EAST ARROW
27B7	↘	HEAVY BLACK-FEATHERED SOUTH EAST ARROW
27B8	➤	HEAVY BLACK-FEATHERED RIGHTWARDS ARROW
27B9	↗	HEAVY BLACK-FEATHERED NORTH EAST ARROW
27BA	⇨	TEARDROP-BARBED RIGHTWARDS ARROW
27BB	➤	HEAVY TEARDROP-SHANKED RIGHTWARDS ARROW
27BC	➤	WEDGE-TAILED RIGHTWARDS ARROW
27BD	➤	HEAVY WEDGE-TAILED RIGHTWARDS ARROW
27BE	⇒	OPEN-OUTLINED RIGHTWARDS ARROW

Miscellaneous

27BF ㄥ DOUBLE CURLY LOOP

	298	299	29A	29B	29C	29D	29E	29F
0	 2980	 2990	 29A0	 29B0	 29C0	 29D0	 29E0	 29F0
1	 2981	 2991	 29A1	 29B1	 29C1	 29D1	 29E1	 29F1
2	 2982	 2992	 29A2	 29B2	 29C2	 29D2	 29E2	 29F2
3	 2983	 2993	 29A3	 29B3	 29C3	 29D3	 29E3	 29F3
4	 2984	 2994	 29A4	 29B4	 29C4	 29D4	 29E4	 29F4
5	 2985	 2995	 29A5	 29B5	 29C5	 29D5	 29E5	 29F5
6	 2986	 2996	 29A6	 29B6	 29C6	 29D6	 29E6	 29F6
7	 2987	 2997	 29A7	 29B7	 29C7	 29D7	 29E7	 29F7
8	 2988	 2998	 29A8	 29B8	 29C8	 29D8	 29E8	 29F8
9	 2989	 2999	 29A9	 29B9	 29C9	 29D9	 29E9	 29F9
A	 298A	 299A	 29AA	 29BA	 29CA	 29DA	 29EA	 29FA
B	 298B	 299B	 29AB	 29BB	 29CB	 29DB	 29EB	 29FB
C	 298C	 299C	 29AC	 29BC	 29CC	 29DC	 29EC	 29FC
D	 298D	 299D	 29AD	 29BD	 29CD	 29DD	 29ED	 29FD
E	 298E	 299E	 29AE	 29BE	 29CE	 29DE	 29EE	 29FE
F	 298F	 299F	 29AF	 29BF	 29CF	 29DF	 29EF	 29FF

Miscellaneous mathematical symbols

2980 \equiv TRIPLE VERTICAL BAR DELIMITER
 → 2AF4 \equiv triple vertical bar binary relation
 → 2AFC \equiv large triple vertical bar operator

2981 \bullet Z NOTATION SPOT
 • medium-small-sized black circle
 → 2219 \bullet bullet operator
 → 25CF \bullet black circle

2982 $\textcircled{:}$ Z NOTATION TYPE COLON
 → 0F7F $\textcircled{:}$ tibetan sign rnam bcad

Brackets

2983 \langle LEFT WHITE CURLY BRACKET

2984 \rangle RIGHT WHITE CURLY BRACKET

2985 $($ LEFT WHITE PARENTHESIS
 → 2E28 $($ left double parenthesis
 → FF5F $($ fullwidth left white parenthesis

2986 $)$ RIGHT WHITE PARENTHESIS
 • used for Bourbakist intervals
 → 2E29 $)$ right double parenthesis
 → FF60 $)$ fullwidth right white parenthesis

2987 \langle Z NOTATION LEFT IMAGE BRACKET

2988 \rangle Z NOTATION RIGHT IMAGE BRACKET

2989 \langle Z NOTATION LEFT BINDING BRACKET

298A \rangle Z NOTATION RIGHT BINDING BRACKET

298B $[$ LEFT SQUARE BRACKET WITH UNDERBAR

298C $]$ RIGHT SQUARE BRACKET WITH UNDERBAR

298D $[$ LEFT SQUARE BRACKET WITH TICK IN TOP CORNER

298E $]$ RIGHT SQUARE BRACKET WITH TICK IN BOTTOM CORNER

298F $[$ LEFT SQUARE BRACKET WITH TICK IN BOTTOM CORNER

2990 $]$ RIGHT SQUARE BRACKET WITH TICK IN TOP CORNER

2991 \langle LEFT ANGLE BRACKET WITH DOT

2992 \rangle RIGHT ANGLE BRACKET WITH DOT

2993 \sphericalangle LEFT ARC LESS-THAN BRACKET

2994 \sphericalangle RIGHT ARC GREATER-THAN BRACKET

2995 \sphericalangle DOUBLE LEFT ARC GREATER-THAN BRACKET

2996 \sphericalangle DOUBLE RIGHT ARC LESS-THAN BRACKET

2997 $\textcircled{}$ LEFT BLACK TORTOISE SHELL BRACKET
 → 27EC $\textcircled{}$ mathematical left white tortoise shell bracket
 → 3014 $\textcircled{}$ left tortoise shell bracket
 → 3018 $\textcircled{}$ left white tortoise shell bracket

2998 $\textcircled{}$ RIGHT BLACK TORTOISE SHELL BRACKET

2999 $\textcircled{}$ DOTTED FENCE
 • four close dots vertical

299A $\textcircled{}$ VERTICAL ZIGZAG LINE
 → 2307 $\textcircled{}$ wavy line

Angles

299B \sphericalangle MEASURED ANGLE OPENING LEFT
 → 2221 \sphericalangle measured angle

299C \sphericalangle RIGHT ANGLE VARIANT WITH SQUARE
 → 221F \sphericalangle right angle

299D \sphericalangle MEASURED RIGHT ANGLE WITH DOT

299E \sphericalangle ANGLE WITH S INSIDE

299F \sphericalangle ACUTE ANGLE

29A0 \sphericalangle SPHERICAL ANGLE OPENING LEFT
 → 2222 \sphericalangle spherical angle

29A1 \sphericalangle SPHERICAL ANGLE OPENING UP

29A2 \sphericalangle TURNED ANGLE
 → 2220 \sphericalangle angle

29A3 \sphericalangle REVERSED ANGLE

29A4 \sphericalangle ANGLE WITH UNDERBAR

29A5 \sphericalangle REVERSED ANGLE WITH UNDERBAR

29A6 \sphericalangle OBLIQUE ANGLE OPENING UP

29A7 \sphericalangle OBLIQUE ANGLE OPENING DOWN

29A8 \sphericalangle MEASURED ANGLE WITH OPEN ARM ENDING IN ARROW POINTING UP AND RIGHT

29A9 \sphericalangle MEASURED ANGLE WITH OPEN ARM ENDING IN ARROW POINTING UP AND LEFT

29AA \sphericalangle MEASURED ANGLE WITH OPEN ARM ENDING IN ARROW POINTING DOWN AND RIGHT

29AB \sphericalangle MEASURED ANGLE WITH OPEN ARM ENDING IN ARROW POINTING DOWN AND LEFT

29AC \sphericalangle MEASURED ANGLE WITH OPEN ARM ENDING IN ARROW POINTING RIGHT AND UP

29AD \sphericalangle MEASURED ANGLE WITH OPEN ARM ENDING IN ARROW POINTING LEFT AND UP

29AE \sphericalangle MEASURED ANGLE WITH OPEN ARM ENDING IN ARROW POINTING RIGHT AND DOWN

29AF \sphericalangle MEASURED ANGLE WITH OPEN ARM ENDING IN ARROW POINTING LEFT AND DOWN

Empty sets

29B0 \emptyset REVERSED EMPTY SET

→ 2205 \emptyset empty set

→ 2349 \emptyset apl functional symbol circle backslash

29B1 \emptyset EMPTY SET WITH OVERBAR

29B2 \emptyset EMPTY SET WITH SMALL CIRCLE ABOVE

29B3 \emptyset EMPTY SET WITH RIGHT ARROW ABOVE

29B4 \emptyset EMPTY SET WITH LEFT ARROW ABOVE

Circle symbols

29B5 \ominus CIRCLE WITH HORIZONTAL BAR

→ 2296 \ominus circled minus

29B6 $\textcircled{}$ CIRCLED VERTICAL BAR

→ 1F715 $\textcircled{}$ alchemical symbol for nitre

29B7 $\textcircled{}$ CIRCLED PARALLEL

29B8 $\textcircled{}$ CIRCLED REVERSE SOLIDUS

29B9 $\textcircled{}$ CIRCLED PERPENDICULAR

29BA $\textcircled{}$ CIRCLE DIVIDED BY HORIZONTAL BAR AND TOP HALF DIVIDED BY VERTICAL BAR

29BB $\textcircled{}$ CIRCLE WITH SUPERIMPOSED X

→ 2297 $\textcircled{}$ circled times

29BC $\textcircled{}$ CIRCLED ANTICLOCKWISE-ROTATED DIVISION SIGN

29BD $\textcircled{}$ UP ARROW THROUGH CIRCLE

29BE $\textcircled{}$ CIRCLED WHITE BULLET

→ 229A $\textcircled{}$ circled ring operator

→ 233E $\textcircled{}$ apl functional symbol circle jot

→ 25CE $\textcircled{}$ bullseye

29BF $\textcircled{}$ CIRCLED BULLET

• forms part of a graduated set of circles with enclosed black circle of different sizes

→ 2299 $\textcircled{}$ circled dot operator

→ 25C9 $\textcircled{}$ fisheye

→ 2A00 $\textcircled{}$ n-ary circled dot operator

29C0 $\textcircled{}$ CIRCLED LESS-THAN

29C1 $\textcircled{}$ CIRCLED GREATER-THAN

29C2 $\textcircled{}$ CIRCLE WITH SMALL CIRCLE TO THE RIGHT

29C3 $\textcircled{}$ CIRCLE WITH TWO HORIZONTAL STROKES TO THE RIGHT

Square symbols

- 29C4 \boxplus SQUARED RISING DIAGONAL SLASH
 → 2341 \boxplus apl functional symbol quad slash
 → 303C \boxplus masu mark
- 29C5 \boxminus SQUARED FALLING DIAGONAL SLASH
 → 2342 \boxminus apl functional symbol quad backslash
- 29C6 \boxtimes SQUARED ASTERISK
- 29C7 \boxcirc SQUARED SMALL CIRCLE
 → 233B \boxcirc apl functional symbol quad jot
- 29C8 \boxsquare SQUARED SQUARE
- 29C9 \boxtimes TWO JOINED SQUARES

Triangle symbols

- 29CA \triangleup TRIANGLE WITH DOT ABOVE
- 29CB \trianglebar TRIANGLE WITH UNDERBAR
- 29CC \triangleleft S IN TRIANGLE
- 29CD \blacktriangle TRIANGLE WITH SERIFS AT BOTTOM
 → 25B3 \blacktriangle white up-pointing triangle
- 29CE \blacktriangleright RIGHT TRIANGLE ABOVE LEFT TRIANGLE
- 29CF \blacktriangleleft LEFT TRIANGLE BESIDE VERTICAL BAR
- 29D0 \blacktriangleright VERTICAL BAR BESIDE RIGHT TRIANGLE

Bowtie symbols

- 29D1 \bowtie BOWTIE WITH LEFT HALF BLACK
 → 22C8 \bowtie bowtie
- 29D2 \bowtie BOWTIE WITH RIGHT HALF BLACK
- 29D3 \bowtie BLACK BOWTIE
- 29D4 \bowtie TIMES WITH LEFT HALF BLACK
 → 22C9 \bowtie left normal factor semidirect product
- 29D5 \bowtie TIMES WITH RIGHT HALF BLACK
 → 22CA \bowtie right normal factor semidirect product
- 29D6 \x WHITE HOURGLASS
 = vertical bowtie
 = white framus
 → 231B \x hourglass
- 29D7 \x BLACK HOURGLASS

Fences

- 29D8 $\}$ LEFT WIGGLY FENCE
 → FE34 $\}$ presentation form for vertical wavy low line
- 29D9 $\}$ RIGHT WIGGLY FENCE
- 29DA $\}$ LEFT DOUBLE WIGGLY FENCE
- 29DB $\}$ RIGHT DOUBLE WIGGLY FENCE

Miscellaneous mathematical symbols

- 29DC ∞ INCOMPLETE INFINITY
 = ISOtech entity ∞
 → 221E ∞ infinity
- 29DD ∞ TIE OVER INFINITY
- 29DE ∞ INFINITY NEGATED WITH VERTICAL BAR
- 29DF \multimap DOUBLE-ENDED MULTIMAP
 → 22B8 \multimap multimap
 → 1F73A \multimap alchemical symbol for arsenic
- 29E0 \square SQUARE WITH CONTOURED OUTLINE
 = D'Alembertian
 → 274F \square lower right drop-shadowed white square
- 29E1 \preceq INCREASES AS
 → 22B4 \preceq normal subgroup of or equal to
- 29E2 \wp SHUFFLE PRODUCT
 → 22FF E z notation bag membership

Relations

- 29E3 \neq EQUALS SIGN AND SLANTED PARALLEL
 → 0023 \neq number sign
 → 22D5 \neq equal and parallel to
- 29E4 \neq EQUALS SIGN AND SLANTED PARALLEL WITH TILDE ABOVE
- 29E5 \equiv IDENTICAL TO AND SLANTED PARALLEL
 → 2A68 \equiv triple horizontal bar with double vertical stroke
- 29E6 \equiv GLEICH STARK
 = tautological equivalent

Miscellaneous mathematical symbols

- 29E7 \ddagger THERMODYNAMIC
 • vertical bar crossed by two horizontals
 → 2260 \ddagger not equal to
- 29E8 \blacktriangledown DOWN-POINTING TRIANGLE WITH LEFT HALF BLACK
 → 25ED \blacktriangledown up-pointing triangle with left half black
- 29E9 \blacktriangledown DOWN-POINTING TRIANGLE WITH RIGHT HALF BLACK
 → 25EE \blacktriangledown up-pointing triangle with right half black
- 29EA \blacklozenge BLACK DIAMOND WITH DOWN ARROW
- 29EB \blacklozenge BLACK LOZENGE
 → 25CA \blacklozenge lozenge
- 29EC \blacklozenge WHITE CIRCLE WITH DOWN ARROW
- 29ED \blacklozenge BLACK CIRCLE WITH DOWN ARROW

Error bar symbols

- 29EE \square ERROR-BARRED WHITE SQUARE
- 29EF \square ERROR-BARRED BLACK SQUARE
- 29F0 \diamond ERROR-BARRED WHITE DIAMOND
- 29F1 \blacklozenge ERROR-BARRED BLACK DIAMOND
- 29F2 \circ ERROR-BARRED WHITE CIRCLE
- 29F3 \bullet ERROR-BARRED BLACK CIRCLE

Miscellaneous mathematical symbols

- 29F4 \rightarrow RULE-DELAYED
 = colon right arrow
- 29F5 \setminus REVERSE SOLIDUS OPERATOR
 → 005C \setminus reverse solidus
 → 2216 \setminus set minus
- 29F6 $\overline{\setminus}$ SOLIDUS WITH OVERBAR
- 29F7 \setminus REVERSE SOLIDUS WITH HORIZONTAL STROKE
 → 2340 \setminus apl functional symbol backslash bar

Large operators

- 29F8 $\big/$ BIG SOLIDUS
 → 2215 $\big/$ division slash
- 29F9 $\big\setminus$ BIG REVERSE SOLIDUS
 = z notation schema hiding
 → 2216 $\big\setminus$ set minus

Specialized plus sign operators

- 29FA $\#$ DOUBLE PLUS
- 29FB $\#\#$ TRIPLE PLUS

Brackets

- 29FC \langle LEFT-POINTING CURVED ANGLE BRACKET
 → 227A \langle precedes
 → 2329 \langle left-pointing angle bracket
- 29FD \rangle RIGHT-POINTING CURVED ANGLE BRACKET
 → 227B \rangle succeeds
 → 232A \rangle right-pointing angle bracket

Miscellaneous mathematical symbols

29FE + TINY
→ 002B + plus sign

29FF - MINY
→ 2212 - minus sign

	2B0	2B1	2B2	2B3	2B4	2B5	2B6	2B7	2B8	2B9	2BA	2BB	2BC	2BD	2BE	2BF
0																
1																
2																
3																
4																
5																
6																
7																
8																
9																
A																
B																
C																
D																
E																
F																

White and black arrows

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

2B00 ↗ NORTH EAST WHITE ARROW

2B01 ↖ NORTH WEST WHITE ARROW

2B02 ↘ SOUTH EAST WHITE ARROW

2B03 ↙ SOUTH WEST WHITE ARROW

2B04 ↔ LEFT RIGHT WHITE ARROW
→ 21E6 ⇐ leftwards white arrow
→ 21F3 ⇕ up down white arrow2B05 ← LEFTWARDS BLACK ARROW
→ 27A1 → black rightwards arrow

2B06 ↑ UPWARDS BLACK ARROW

2B07 ↓ DOWNWARDS BLACK ARROW

2B08 ↗ NORTH EAST BLACK ARROW

2B09 ↖ NORTH WEST BLACK ARROW

2B0A ↘ SOUTH EAST BLACK ARROW

2B0B ↙ SOUTH WEST BLACK ARROW

2B0C ↔ LEFT RIGHT BLACK ARROW

2B0D ↑ UP DOWN BLACK ARROW

Arrows with bent tips

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

2B0E → RIGHTWARDS ARROW WITH TIP DOWNWARDS

2B0F ↘ RIGHTWARDS ARROW WITH TIP UPWARDS

2B10 ↖ LEFTWARDS ARROW WITH TIP DOWNWARDS

2B11 ↗ LEFTWARDS ARROW WITH TIP UPWARDS

Squares2B12 ◼ SQUARE WITH TOP HALF BLACK
→ 25E7 ◻ square with left half black

2B13 ◼ SQUARE WITH BOTTOM HALF BLACK

2B14 ◻ SQUARE WITH UPPER RIGHT DIAGONAL HALF BLACK

2B15 ◻ SQUARE WITH LOWER LEFT DIAGONAL HALF BLACK

Diamonds

2B16 ◊ DIAMOND WITH LEFT HALF BLACK

2B17 ◊ DIAMOND WITH RIGHT HALF BLACK

2B18 ◊ DIAMOND WITH TOP HALF BLACK

2B19 ◊ DIAMOND WITH BOTTOM HALF BLACK

Squares

2B1A ◻ DOTTED SQUARE

2B1B ◼ BLACK LARGE SQUARE
→ 25A0 ◼ black square2B1C ◻ WHITE LARGE SQUARE
→ 25A1 ◻ white square2B1D ◼ BLACK VERY SMALL SQUARE
→ 25AA ◼ black small square2B1E ◻ WHITE VERY SMALL SQUARE
→ 25AB ◻ white small square**Pentagons**

2B1F ⬠ BLACK PENTAGON

2B20 ⬡ WHITE PENTAGON

Hexagons

2B21 ⬡ WHITE HEXAGON

2B22 ⬠ BLACK HEXAGON

2B23 ⬠ HORIZONTAL BLACK HEXAGON

Circle2B24 ● BLACK LARGE CIRCLE
→ 25CF ● black circle
→ 25EF ○ large circle
→ 1F534 ● large red circle**Diamonds and lozenges**2B25 ◆ BLACK MEDIUM DIAMOND
→ 25C6 ◆ black diamond2B26 ◇ WHITE MEDIUM DIAMOND
→ 25C7 ◇ white diamond
→ 1F754 ◇ alchemical symbol for soap

2B27 ◆ BLACK MEDIUM LOZENGE

2B28 ◇ WHITE MEDIUM LOZENGE
→ 25CA ◇ lozenge

2B29 ◆ BLACK SMALL DIAMOND

→ 22C4 ⬠ diamond operator
→ 1F538 ◆ small orange diamond

2B2A ◆ BLACK SMALL LOZENGE

2B2B ◇ WHITE SMALL LOZENGE

Ellipses

2B2C ● BLACK HORIZONTAL ELLIPSE

2B2D ○ WHITE HORIZONTAL ELLIPSE

2B2E ● BLACK VERTICAL ELLIPSE

2B2F ○ WHITE VERTICAL ELLIPSE

Mathematical arrows

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

2B30 ⇐ LEFT ARROW WITH SMALL CIRCLE
→ 21F4 ⇨ right arrow with small circle2B31 ⇐⇐⇐ THREE LEFTWARDS ARROWS
→ 21F6 ⇨⇨⇨ three rightwards arrows2B32 ⇐⊕ LEFT ARROW WITH CIRCLED PLUS
→ 27F4 ⊕ right arrow with circled plus2B33 ⇐⇐⇐ LONG LEFTWARDS SQUIGGLE ARROW
→ 27FF ⇨⇨⇨ long rightwards squiggle arrow
→ 21DC ⇐⇐⇐ leftwards squiggle arrow2B34 ⇐⇐ LEFTWARDS TWO-HEADED ARROW WITH VERTICAL STROKE
→ 2900 ⇨⇨ rightwards two-headed arrow with vertical stroke2B35 ⇐⇐⇐ LEFTWARDS TWO-HEADED ARROW WITH DOUBLE VERTICAL STROKE
→ 2901 ⇨⇨⇨ rightwards two-headed arrow with double vertical stroke2B36 ⇐⇐⇐ LEFTWARDS TWO-HEADED ARROW FROM BAR
→ 2905 ⇨⇨⇨ rightwards two-headed arrow from bar2B37 ⇐⇐⇐ LEFTWARDS TWO-HEADED TRIPLE DASH ARROW
→ 2910 ⇨⇨⇨ rightwards two-headed triple dash arrow2B38 ⇐⇐⇐ LEFTWARDS ARROW WITH DOTTED STEM
→ 2911 ⇨⇨⇨ rightwards arrow with dotted stem2B39 ⇐⇐⇐ LEFTWARDS ARROW WITH TAIL WITH VERTICAL STROKE
→ 2914 ⇨⇨⇨ rightwards arrow with tail with vertical stroke2B3A ⇐⇐⇐ LEFTWARDS ARROW WITH TAIL WITH DOUBLE VERTICAL STROKE
→ 2915 ⇨⇨⇨ rightwards arrow with tail with double vertical stroke

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

Keyboard symbol

- 2B4D ⇄ UPWARDS WHITE ARROW FROM BAR WITH HORIZONTAL BAR
= w-3089
= caps lock

Stars

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

Pentagons

- 2B53 ⬛ BLACK RIGHT-POINTING PENTAGON
- 2B54 ⬜ WHITE RIGHT-POINTING PENTAGON

Traffic sign from ARIB STD B24

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

Dictionary and map symbols from ARIB STD B24

- 2B56 ◎ HEAVY OVAL WITH OVAL INSIDE
= prefectural office
- 2B57 ◎ HEAVY CIRCLE WITH CIRCLE INSIDE
= municipal office
→ 25CE ◎ bullseye

- 2B58 ○ HEAVY CIRCLE
= town or village office
→ 25CB ○ white circle

- 2B59 ⊗ HEAVY CIRCLED SALTIRE
= police station
→ 2A02 ⊗ n-ary circled times operator

Curving arrows

- 2B60 ↴ WHITE ARROW POINTING DOWNWARDS THEN CURVING LEFTWARDS
= w-1195
- 2B61 ↵ WHITE ARROW POINTING DOWNWARDS THEN CURVING RIGHTWARDS
= w-1196
- 2B62 ↶ WHITE ARROW POINTING UPWARDS THEN CURVING LEFTWARDS
= w-1197
- 2B63 ↷ WHITE ARROW POINTING UPWARDS THEN CURVING RIGHTWARDS
= w-1198
- 2B64 ↸ WHITE ARROW POINTING LEFTWARDS THEN CURVING UPWARDS
= w-1199
- 2B65 ↹ WHITE ARROW POINTING RIGHTWARDS THEN CURVING UPWARDS
= w-1200
- 2B66 ↺ WHITE ARROW POINTING LEFTWARDS THEN CURVING DOWNWARDS
= w-1201
- 2B67 ↻ WHITE ARROW POINTING RIGHTWARDS THEN CURVING DOWNWARDS
= w-1202

Simple triangle-headed arrows

The A2 suffix corresponds to the classification used in the Supplemental Arrows-C block 1F800-1F8FF

- 2B68 ← TRIANGLE-HEADED LEFTWARDS ARROW A2
= w-3033
→ 2190 ← leftwards arrow
- 2B69 → TRIANGLE-HEADED RIGHTWARDS ARROW A2
= w-3034
→ 279D → triangle-headed rightwards arrow
→ 2192 → rightwards arrow
- 2B6A ↑ TRIANGLE-HEADED UPWARDS ARROW A2
= w-3035
→ 2191 ↑ upwards arrow
- 2B6B ↓ TRIANGLE-HEADED DOWNWARDS ARROW A2
= w-3036
→ 2193 ↓ downwards arrow

2B6C	↔	LEFT RIGHT TRIANGLE-HEADED ARROW A2 = w-3049 → 2194 ↔ left right arrow
2B6D	↕	UP DOWN TRIANGLE-HEADED ARROW A2 = w-3050 → 2195 ↕ up down arrow
2B6E	↖	TRIANGLE-HEADED NORTH WEST ARROW A2 = w-3037 → 2196 ↖ north west arrow
2B6F	↗	TRIANGLE-HEADED NORTH EAST ARROW A2 = w-3038 → 2197 ↗ north east arrow
2B70	↙	TRIANGLE-HEADED SOUTH WEST ARROW A2 = w-3039 → 2199 ↙ south west arrow
2B71	↘	TRIANGLE-HEADED SOUTH EAST ARROW A2 = w-3040 → 2198 ↘ south east arrow

Triangle-headed dashed arrows

2B72	↔	LEFTWARDS TRIANGLE-HEADED DASHED ARROW = w-3051 → 21E0 ↔ leftwards dashed arrow
2B73	↑	UPWARDS TRIANGLE-HEADED DASHED ARROW = w-3053 → 21E1 ↑ upwards dashed arrow
2B74	↔	RIGHTWARDS TRIANGLE-HEADED DASHED ARROW = w-3052 → 21E2 ↔ rightwards dashed arrow
2B75	↓	DOWNWARDS TRIANGLE-HEADED DASHED ARROW = w-3054 → 21E3 ↓ downwards dashed arrow

Triangle-headed arrows with bent tips

2B76	↙	DOWNWARDS TRIANGLE-HEADED ARROW WITH LONG TIP LEFTWARDS = w-3056 → 21B2 ↙ downwards arrow with tip leftwards
2B77	↘	DOWNWARDS TRIANGLE-HEADED ARROW WITH LONG TIP RIGHTWARDS = w-3057 → 21B3 ↘ downwards arrow with tip rightwards
2B78	↖	UPWARDS TRIANGLE-HEADED ARROW WITH LONG TIP LEFTWARDS = w-3058 → 21B0 ↖ upwards arrow with tip leftwards
2B79	↗	UPWARDS TRIANGLE-HEADED ARROW WITH LONG TIP RIGHTWARDS = w-3059 → 21B1 ↗ upwards arrow with tip rightwards
2B7A	↑	LEFTWARDS TRIANGLE-HEADED ARROW WITH LONG TIP UPWARDS = w-3060 → 2B11 ↖ leftwards arrow with tip upwards
2B7B	↑	RIGHTWARDS TRIANGLE-HEADED ARROW WITH LONG TIP UPWARDS = w-3061 → 2B0F ↗ rightwards arrow with tip upwards
2B7C	↓	LEFTWARDS TRIANGLE-HEADED ARROW WITH LONG TIP DOWNWARDS = w-3062 → 2B10 ↙ leftwards arrow with tip downwards

2B7D	↓	RIGHTWARDS TRIANGLE-HEADED ARROW WITH LONG TIP DOWNWARDS = w-3063 → 2B0E ↗ rightwards arrow with tip downwards
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Black curved arrows


2B7E	↙	BLACK CURVED DOWNWARDS AND LEFTWARDS ARROW = w-3201
2B7F	↘	BLACK CURVED DOWNWARDS AND RIGHTWARDS ARROW = w-3202 → 27A5 ↘ heavy black curved downwards and rightwards arrow
2B80	↖	BLACK CURVED UPWARDS AND LEFTWARDS ARROW = w-3203
2B81	↗	BLACK CURVED UPWARDS AND RIGHTWARDS ARROW = w-3204 → 27A6 ↗ heavy black curved upwards and rightwards arrow
2B82	↖	BLACK CURVED LEFTWARDS AND UPWARDS ARROW = w-3205
2B83	↗	BLACK CURVED RIGHTWARDS AND UPWARDS ARROW = w-3206
2B84	↙	BLACK CURVED LEFTWARDS AND DOWNWARDS ARROW = w-3207
2B85	↘	BLACK CURVED RIGHTWARDS AND DOWNWARDS ARROW = w-3208

Triangle-headed arrows to bar



2B86	←	LEFTWARDS TRIANGLE-HEADED ARROW TO BAR = w-3041 = left tab → 21E4 ← leftwards arrow to bar
2B87	→	RIGHTWARDS TRIANGLE-HEADED ARROW TO BAR = w-3042 = right tab → 21E5 → rightwards arrow to bar
2B88	↑	UPWARDS TRIANGLE-HEADED ARROW TO BAR = w-3043 = up tab → 2912 ↑ upwards arrow to bar
2B89	↓	DOWNWARDS TRIANGLE-HEADED ARROW TO BAR = w-3044 = down tab → 2913 ↓ downwards arrow to bar
2B8A	↖	NORTH WEST TRIANGLE-HEADED ARROW TO BAR = w-3045 = home
2B8B	↘	SOUTH EAST TRIANGLE-HEADED ARROW TO BAR = w-3046 = end



Triangle-headed arrows with double horizontal stroke


2B8C  UPWARDS TRIANGLE-HEADED ARROW WITH DOUBLE HORIZONTAL STROKE
= w-3047
= page up


2B8D  DOWNWARDS TRIANGLE-HEADED ARROW WITH DOUBLE HORIZONTAL STROKE
= w-3048
= page down



Paired triangle-headed arrows



2B8E  LEFTWARDS TRIANGLE-HEADED ARROW OVER RIGHTWARDS TRIANGLE-HEADED ARROW
= w-3068
→ 21C6  leftwards arrow over rightwards arrow



2B8F  DOWNWARDS TRIANGLE-HEADED ARROW LEFTWARDS OF UPWARDS TRIANGLE-HEADED ARROW
= w-3069
→ 21C6  leftwards arrow over rightwards arrow



2B90  HORIZONTAL TAB KEY
= w-3070

2B91  VERTICAL TAB KEY
= w-3071



2B92  LEFTWARDS PAIRED TRIANGLE-HEADED ARROWS
= w-3072
→ 21C7  leftwards paired arrows

2B93  RIGHTWARDS PAIRED TRIANGLE-HEADED ARROWS
= w-3073
→ 21C9  rightwards paired arrows



2B94  UPWARDS PAIRED TRIANGLE-HEADED ARROWS
= w-3074
→ 21C8  upwards paired arrows


2B95  DOWNTWARDS PAIRED TRIANGLE-HEADED ARROWS
= w-3075
→ 21CA  downwards paired arrows


Triangle-headed zigzag arrow


2B96  DOWNWARDS TRIANGLE-HEADED ZIGZAG ARROW
= w-3055
→ 21AF  downwards zigzag arrow


Keyboard symbols

2B97  RETURN LEFT
= w-3064
→ 23CE  return symbol

2B98  RETURN RIGHT
= w-3065


2B99  NEWLINE LEFT
= w-3066


2B9A  NEWLINE RIGHT
= w-3067


2B9B  ESCAPE KEY
= w-3082



Circled triangle-headed arrows



2B9C  ANTICLOCKWISE TOP SEMICIRCLE TRIANGLE-HEADED ARROW
= w-3076
→ 21B6  anticlockwise top semicircle arrow

2B9D  ANTICLOCKWISE BOTTOM SEMICIRCLE TRIANGLE-HEADED ARROW
= w-3077


2B9E  ANTICLOCKWISE LEFT SEMICIRCLE TRIANGLE-HEADED ARROW
= w-3078

2B9F  ANTICLOCKWISE RIGHT SEMICIRCLE TRIANGLE-HEADED ARROW
= w-3079

2BA0  CLOCKWISE OPEN CIRCLE TRIANGLE-HEADED ARROW
= w-3080
→ 21BB  clockwise open circle arrow


2BA1  ANTICLOCKWISE OPEN CIRCLE TRIANGLE-HEADED ARROW
= w-3081
→ 21BA  anticlockwise open circle arrow



Miscellaneous arrow symbol


2BA2  FOUR CORNER ARROWS CIRCLING ANTICLOCKWISE
= w-0096
= loop


Arrowheads


These sets are narrower than the dingbats set



2BA3  THREE-D TOP-LIGHTED LEFTWARDS ARROWHEAD 1
= w-1215


2BA4  THREE-D TOP-LIGHTED RIGHTWARDS ARROWHEAD 1
= w-1216
→ 27A2  three-d top-lighted rightwards arrowhead


2BA5  THREE-D RIGHT-LIGHTED UPWARDS ARROWHEAD 1
= w-1217

2BA6  THREE-D LEFT-LIGHTED DOWNWARDS ARROWHEAD 1
= w-1218


2BA7  BLACK LEFTWARDS ARROWHEAD 1
= w-3133



2BA8  BLACK RIGHTWARDS ARROWHEAD 1
= w-3134
→ 27A4  black rightwards arrowhead


2BA9  BLACK UPWARDS ARROWHEAD 1
= w-3135


2BAA  BLACK DOWNWARDS ARROWHEAD 1
= w-3136

Circled arrows


2BAB  CIRCLED WHITE LEFTWARDS ARROW
= w-1219


2BAC  CIRCLED WHITE RIGHTWARDS ARROW
= w-1220
→ 27B2  circled heavy white rightwards arrow

2BAD  CIRCLED WHITE UPWARDS ARROW
= w-1221

2BAE  CIRCLED WHITE DOWNWARDS ARROW
= w-1222

Centered geometric shapes

2BB0  BLACK SQUARE CENTERED
= w-2190

2BB1  BLACK DIAMOND CENTERED
= w-2191

2BB2	◆	BLACK PENTAGON 2 CENTERED = w-2193
2BB3	●	HORIZONTAL BLACK OCTAGON = w-2196 = black octagon 1
2BB4	●	BLACK OCTAGON = w-2197 = black octagon 2
2BB5	▲	BLACK MEDIUM UP-POINTING TRIANGLE CENTERED = w-3129
2BB6	▼	BLACK MEDIUM DOWN-POINTING TRIANGLE CENTERED = w-3130
2BB7	◀	BLACK MEDIUM LEFT-POINTING TRIANGLE CENTERED = w-3131
2BB8	▶	BLACK MEDIUM RIGHT-POINTING TRIANGLE CENTERED = w-3132

Half circles

2BB9	◐	TOP HALF BLACK CIRCLE = w-2188
2BBA	◑	BOTTOM HALF BLACK CIRCLE = w-2189

Target symbols

2BBB	◎	ROUND TARGET = w-1165 → 25CE ◎ bullseye → 29BE ◎ circled white bullet → 2B57 ◎ heavy circle with circle inside
2BBC	▣	BOX TARGET = w-2170
2BBD	◇	DIAMOND TARGET = w-2179

Heavy solidus

2BBE	▬	VERY HEAVY SOLIDUS = w-0047
2BBF	▮	VERY HEAVY REVERSE SOLIDUS = w-0092

Shaded geometric shapes

2BC3	◯	LOWER RIGHT SHADOWED WHITE CIRCLE = w-1109 = circle shadow down → 274D ◯ shadowed white circle
2BC4	◯	UPPER RIGHT SHADOWED WHITE CIRCLE = w-1166 → 274D ◯ shadowed white circle

Cusp shapes

2BC5	⋄	WHITE FOUR POINTED CUSP = w-1178 → 2727 ⋄ white four pointed star
2BC6	⋈	ROTATED WHITE FOUR POINTED CUSP = w-1179 → 2311 ⋈ square lozenge
2BC7	◆	FOUR POINTED BLACK CUSP = w-2246 → 2726 ◆ black four pointed star
2BC8	✦	ROTATED FOUR POINTED BLACK CUSP = w-2247

Position indicators

2BC9	⊠	SQUARE POSITION INDICATOR = w-1176 = register square → 2316 ⊠ position indicator
2BCA	⊞	ROUND POSITION INDICATOR = w-1177 = register circle → 2316 ⊞ position indicator

Diamond shape

2BCB	⋄	WHITE DIAMOND WITH QUESTION MARK INSIDE = w-1180 = uncertainty sign = query → 2370 ⋄ apl functional symbol quad question → FFFD ⋄ replacement character
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White star shadowed

2BCC	☆	SHADOWED WHITE STAR 1 = w-1182 = star shadow → 2730 ☆ shadowed white star
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Oval shape

2BCD	◌	OVAL SHAPE WITH SHADOW = w-0212 = hole
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Shaded white arrows

2BD0	↵	BOTTOM SHADED WHITE LEFTWARDS ARROW 1 = w-3090
2BD1	↶	BOTTOM SHADED WHITE RIGHTWARDS ARROW 1 = w-3091
2BD2	↵	TOP SHADED WHITE LEFTWARDS ARROW 1 = w-3092
2BD3	↶	TOP SHADED WHITE RIGHTWARDS ARROW 1 = w-3093
2BD4	↵	LEFT-SHADED WHITE LEFTWARDS ARROW 1 = w-3094
2BD5	↶	RIGHT-SHADED WHITE RIGHTWARDS ARROW 1 = w-3095 → 27A9 ↶ right-shaded white rightwards arrow
2BD6	↵	RIGHT-SHADED WHITE LEFTWARDS ARROW 1 = w-3096
2BD7	↶	LEFT-SHADED WHITE RIGHTWARDS ARROW 1 = w-3097 → 27AA ↶ left-shaded white rightwards arrow
2BD8	↵	BACK-TILTED SHADOWED WHITE LEFTWARDS ARROW 1 = w-3098
2BD9	↶	BACK-TILTED SHADOWED WHITE RIGHTWARDS ARROW 1 = w-3099 → 27AB ↶ back-tilted shadowed white rightwards arrow
2BDA	↵	FRONT-TILTED SHADOWED WHITE LEFTWARDS ARROW 1 = w-3100
2BDB	↶	FRONT-TILTED SHADOWED WHITE RIGHTWARDS ARROW 1 = w-3101 → 27AC ↶ front-tilted shadowed white rightwards arrow

Notched arrows

2BDC	◄	NOTCHED LEFTWARDS ARROW = w-3185
2BDD	►	NOTCHED RIGHTWARDS ARROW = w-3186 → 27AF ⇨ notched lower right-shadowed white rightwards arrow
2BDE	↑	NOTCHED UPWARDS ARROW = w-3187
2BDF	↓	NOTCHED DOWNWARDS ARROW = w-3188

Arrowheads

2BE0	◀	TRIANGLE ARROWHEAD LEFTWARDS = w-3233 = draw left
2BE1	▶	TRIANGLE ARROWHEAD RIGHTWARDS = w-3234 = draw right
2BE2	▲	TRIANGLE ARROWHEAD UPWARDS = w-3235 = draw up
2BE3	▼	TRIANGLE ARROWHEAD DOWNWARDS = w-3236 = draw down
2BE4	◄	LEFTWARDS WHITE ARROW WITHIN TRIANGLE ARROWHEAD = w-3237 = draw double left
2BE5	▶	RIGHTWARDS WHITE ARROW WITHIN TRIANGLE ARROWHEAD = w-3238 = draw double right
2BE6	▲	UPWARDS WHITE ARROW WITHIN TRIANGLE ARROWHEAD = w-3239 = draw double up
2BE7	▼	DOWNWARDS WHITE ARROW WITHIN TRIANGLE ARROWHEAD = w-3240 = draw double down

Keyboard symbols

2BE8	☒	CLEAR KEY = w-1120 → 2612 ☒ ballot box with x
2BE9	☐	ESCAPE KEY 1 = w-1121 → 2B9B ⌫ escape key → 2353 ☐ apl functional symbol quad up caret

Ballot symbols

2BEA	×	BALLOT X1 = x mark = w-2079
2BEB	☒	BALLOT BOX WITH X1 = box x mark = w-2081
2BEC	✖	BALLOT HEAVY X1 = x mark bold → 2717 ✖ ballot x = w-1251
2BED	☒	BALLOT BOX WITH HEAVY X1 = box x mark bold = w-1253






























































2BEE	☒	BALLOT BOX WITH LIGHT X = box x = w-2083 → 2612 ☒ ballot box with x
2BEF	⊗	CIRCLED X = w-2085 → 2297 ⊗ circled times
2BF0	⊗	CIRCLED HEAVY X = circled x bold = w-2086
2BF1	⊘	CIRCLED REVERSE LIGHT SOLIDUS = prohibit = w-2087
2BF2	✓	LIGHT CHECK MARK = check = w-2080
2BF3	☑	BALLOT BOX WITH HEAVY CHECK = box mark bold = w-1254

Keyboard symbol

2BF4	^	CONTROL KEY = w-3084 → 005E ^ circumflex accent → 2303 ^ up arrowhead
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Three-rays symbols

2BF5	∴	THREE RAYS ABOVE = w-0237
2BF6	∵	THREE RAYS BELOW = w-0238
2BF7	∷	THREE RAYS LEFT = w-0239 → 269E ∷ three lines converging right
2BF8	∸	THREE RAYS RIGHT = w-0240 → 269F ∸ three lines converging left

	2E0	2E1	2E2	2E3	2E4	2E5	2E6	2E7
0	 2E00	 2E10	 2E20	 2E30				
1	 2E01	 2E11	 2E21	 2E31				
2	 2E02	 2E12	 2E22	 2E32				
3	 2E03	 2E13	 2E23	 2E33				
4	 2E04	 2E14	 2E24	 2E34				
5	 2E05	 2E15	 2E25	 2E35				
6	 2E06	 2E16	 2E26	 2E36				
7	 2E07	 2E17	 2E27	 2E37				
8	 2E08	 2E18	 2E28	 2E38				
9	 2E09	 2E19	 2E29	 2E39				
A	 2E0A	 2E1A	 2E2A	 2E3A				
B	 2E0B	 2E1B	 2E2B	 2E3B				
C	 2E0C	 2E1C	 2E2C					
D	 2E0D	 2E1D	 2E2D					
E	 2E0E	 2E1E	 2E2E					
F	 2E0F	 2E1F	 2E2F	 2E3F				

New Testament editorial symbols

- 2E00 ∟ RIGHT ANGLE SUBSTITUTION MARKER
→ 231C ∟ top left corner
- 2E01 ∟ RIGHT ANGLE DOTTED SUBSTITUTION MARKER
- 2E02 ∟ LEFT SUBSTITUTION BRACKET
- 2E03 ∟ RIGHT SUBSTITUTION BRACKET
- 2E04 ∟ LEFT DOTTED SUBSTITUTION BRACKET
- 2E05 ∟ RIGHT DOTTED SUBSTITUTION BRACKET
- 2E06 T RAISED INTERPOLATION MARKER
→ 22A4 T down tack
- 2E07 T RAISED DOTTED INTERPOLATION MARKER
- 2E08 S DOTTED TRANSPOSITION MARKER
- 2E09 S LEFT TRANSPOSITION BRACKET
- 2E0A 2 RIGHT TRANSPOSITION BRACKET
- 2E0B □ RAISED SQUARE
• used as an opening raised omission bracket
- 2E0C ∟ LEFT RAISED OMISSION BRACKET
• used as an opening or closing raised omission bracket
- 2E0D ∟ RIGHT RAISED OMISSION BRACKET
• used as a closing or opening raised omission bracket

Ancient Greek textual symbols

- 2E0E ∟ EDITORIAL CORONIS
→ 1FBD ∟ greek koronis
- 2E0F — PARAGRAPHOS
- 2E10 — FORKED PARAGRAPHOS
- 2E11 — REVERSED FORKED PARAGRAPHOS
- 2E12 ∟ HYPODIASTOLE
= ypodiastoli
- 2E13 ∟ DOTTED OBELOS
• glyph variants may look like ‘∟’ or ‘∟’
→ 2052 ∟ commercial minus sign
- 2E14 ∟ DOWNWARDS ANCORA
• contrary to its formal name this symbol points upwards
- 2E15 ∟ UPWARDS ANCORA
• contrary to its formal name this symbol points downwards
- 2E16 ∟ DOTTED RIGHT-POINTING ANGLE
= diplo periestigmene

Ancient Near-Eastern linguistic symbol

- 2E17 ∟ DOUBLE OBLIQUE HYPHEN
• used in ancient Near-Eastern linguistics
• hyphen in Fraktur text uses 002D - or 2010 -, but with a ‘∟’ glyph in Fraktur fonts
→ 002D - hyphen-minus
→ 003D = equals sign
→ 2010 - hyphen

General punctuation

- 2E18 ∟ INVERTED INTERROBANG
= gnaborretni
→ 203D ∟ interrobang
- 2E19 ∟ PALM BRANCH
• used as a separator

Dictionary punctuation

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

- 2E1A ∟ HYPHEN WITH DIAERESIS
• indicates umlaut of the stem vowel of a plural form
- 2E1B ∟ TILDE WITH RING ABOVE
• indicates change in case for derived form

Brackets

- 2E1C ∟ LEFT LOW PARAPHRASE BRACKET
- 2E1D ∟ RIGHT LOW PARAPHRASE BRACKET
• used in N’Ko

Dictionary punctuation

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

Brackets

- 2E20 ∟ LEFT VERTICAL BAR WITH QUILL
- 2E21 ∟ RIGHT VERTICAL BAR WITH QUILL

Half brackets

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

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

Brackets

- 2E26 ∟ LEFT SIDEWAYS U BRACKET
→ 2282 ∟ subset of
- 2E27 ∟ RIGHT SIDEWAYS U BRACKET
→ 2283 ∟ superset of
- 2E28 ∟ LEFT DOUBLE PARENTHESIS
→ 2985 ∟ left white parenthesis
→ FF5F ∟ fullwidth left white parenthesis
- 2E29 ∟ RIGHT DOUBLE PARENTHESIS

Historic punctuation

- 2E2A ∟ TWO DOTS OVER ONE DOT PUNCTUATION
- 2E2B ∟ ONE DOT OVER TWO DOTS PUNCTUATION
- 2E2C ∟ SQUARED FOUR DOT PUNCTUATION
- 2E2D ∟ FIVE DOT MARK
- 2E2E ∟ REVERSED QUESTION MARK
= punctus percontativus
→ 003F ∟ question mark
→ 00BF ∟ inverted question mark
→ 061F ∟ arabic question mark
- 2E2F ∟ VERTICAL TILDE
• used for Cyrillic yerik
→ 033E ∟ combining vertical tilde
→ A67F ∟ cyrillic payerok

- 2E30 ◦ **RING POINT**
- used in Avestan
 - 2218 ◦ ring operator
 - 25E6 ◦ white bullet
- 2E31 · **WORD SEPARATOR MIDDLE DOT**
- used in Avestan, Samaritan, ...
 - 00B7 · middle dot

Historic punctuations

- 2E32 ˘ **TURNED COMMA**
- used in Palaeotype transliteration to indicate nasalization
 - 060C ˘ arabic comma
- 2E33 ˙ **RAISED DOT**
- 002E ˙ full stop
 - 00B7 ˙ middle dot
- 2E34 ˊ **RAISED COMMA**
- 002C ˊ comma
- 2E35 ː **TURNED SEMICOLON**
- used in Palaeotype transliteration to indicate sudden glottal closure
 - 061B ː arabic semicolon
- 2E36 † **DAGGER WITH LEFT GUARD**
- used in Palaeotype transliteration to indicate retracted pronunciation
- 2E37 ‡ **DAGGER WITH RIGHT GUARD**
- used in Palaeotype transliteration to indicate advanced pronunciation
- 2E38 ‡ **TURNED DAGGER**
- used in Palaeotype transliteration to indicate retroflex pronunciation
- 2E39 § **TOP HALF SECTION SIGN**
- used in Palaeotype transliteration to indicate pronunciation on one side of the mouth only

Dashes

- 2E3A — **TWO-EM DASH**
- = omission dash
 - scaled down to fit in cell
- 2E3B — **THREE-EM DASH**
- scaled down to fit in cell

Historic punctuation

- 2E3F ¶ **CAPITULUM**
- = w-2132
 - ancestor of the pilcrow sign
 - 00B6 ¶ pilcrow sign

	1F10	1F11	1F12	1F13	1F14	1F15	1F16	1F17	1F18	1F19	1F1A	1F1B	1F1C	1F1D	1F1E	1F1F
0	0. 1F100	(A) 1F110	(Q) 1F120	A 1F130	Q 1F140	A 1F150	Q 1F160	A 1F170	Q 1F180	DJ 1F190						K 1F1F0
1	0, 1F101	(B) 1F111	(R) 1F121	B 1F131	R 1F141	B 1F151	R 1F161	B 1F171	R 1F181	CL 1F191						L 1F1F1
2	1, 1F102	(C) 1F112	(S) 1F122	C 1F132	S 1F142	C 1F152	S 1F162	C 1F172	S 1F182	COOL 1F192						M 1F1F2
3	2, 1F103	(D) 1F113	(T) 1F123	D 1F133	T 1F143	D 1F153	T 1F163	D 1F173	T 1F183	FREE 1F193						N 1F1F3
4	3, 1F104	(E) 1F114	(U) 1F124	E 1F134	U 1F144	E 1F154	U 1F164	E 1F174	U 1F184	ID 1F194						O 1F1F4
5	4, 1F105	(F) 1F115	(V) 1F125	F 1F135	V 1F145	F 1F155	V 1F165	F 1F175	V 1F185	NEW 1F195						P 1F1F5
6	5, 1F106	(G) 1F116	(W) 1F126	G 1F136	W 1F146	G 1F156	W 1F166	G 1F176	W 1F186	NG 1F196					A 1F1E6	Q 1F1F6
7	6, 1F107	(H) 1F117	(X) 1F127	H 1F137	X 1F147	H 1F157	X 1F167	H 1F177	X 1F187	OK 1F197					B 1F1E7	R 1F1F7
8	7, 1F108	(I) 1F118	(Y) 1F128	I 1F138	Y 1F148	I 1F158	Y 1F168	I 1F178	Y 1F188	SOS 1F198					C 1F1E8	S 1F1F8
9	8, 1F109	(J) 1F119	(Z) 1F129	J 1F139	Z 1F149	J 1F159	Z 1F169	J 1F179	Z 1F189	UPI! 1F199					D 1F1E9	T 1F1F9
A	9, 1F10A	(K) 1F11A	(S) 1F12A	K 1F13A	HV 1F14A	K 1F15A	MC 1F16A	K 1F17A	R 1F18A	VS 1F19A					E 1F1EA	U 1F1FA
B	⓪ 1F10B	(L) 1F11B	(C) 1F12B	L 1F13B	MV 1F14B	L 1F15B	MD 1F16B	L 1F17B	IC 1F18B						F 1F1EB	V 1F1FB
C	⓪ 1F10C	(M) 1F11C	(R) 1F12C	M 1F13C	SD 1F14C	M 1F15C		M 1F17C	PA 1F18C						G 1F1EC	W 1F1FC
D		(N) 1F11D	(CD) 1F12D	N 1F13D	SS 1F14D	N 1F15D		N 1F17D	SA 1F18D						H 1F1ED	X 1F1FD
E		(O) 1F11E	(Wz) 1F12E	O 1F13E	PPV 1F14E	O 1F15E		O 1F17E	AB 1F18E						I 1F1EE	Y 1F1FE
F		(P) 1F11F		P 1F13F	WC 1F14F	P 1F15F		P 1F17F	WC 1F18F						J 1F1EF	Z 1F1FF

Number with full stop

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

1F100 **0**. DIGIT ZERO FULL STOP
≈ 0030 **0** 002E .

Numbers with comma

1F101 **0**, DIGIT ZERO COMMA

≈ 0030 **0** 002C ,

1F102 **1**, DIGIT ONE COMMA

≈ 0031 **1** 002C ,

1F103 **2**, DIGIT TWO COMMA

≈ 0032 **2** 002C ,

1F104 **3**, DIGIT THREE COMMA

≈ 0033 **3** 002C ,

1F105 **4**, DIGIT FOUR COMMA

≈ 0034 **4** 002C ,

1F106 **5**, DIGIT FIVE COMMA

≈ 0035 **5** 002C ,

1F107 **6**, DIGIT SIX COMMA

≈ 0036 **6** 002C ,

1F108 **7**, DIGIT SEVEN COMMA

≈ 0037 **7** 002C ,

1F109 **8**, DIGIT EIGHT COMMA

≈ 0038 **8** 002C ,

1F10A **9**, DIGIT NINE COMMA

≈ 0039 **9** 002C ,

Circled sans-serif digits

These digits complements the sans-serif digit sets in the Dingbat block 2780-2789 and 278A-2793

1F10B **0** CIRCLED SANS-SERIF DIGIT ZERO

= w-1128

≈ <circle> 0030 **0**

1F10C **0** NEGATIVE CIRCLED SANS SERIF DIGIT ZERO

= w-1139

≈ <circle> 0030 **0**

Parenthesized Latin letters

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

1F110 **(A)** PARENTHESIZED LATIN CAPITAL LETTER A
≈ 0028 (0041 **A** 0029)

1F111 **(B)** PARENTHESIZED LATIN CAPITAL LETTER B
≈ 0028 (0042 **B** 0029)

1F112 **(C)** PARENTHESIZED LATIN CAPITAL LETTER C
≈ 0028 (0043 **C** 0029)

1F113 **(D)** PARENTHESIZED LATIN CAPITAL LETTER D
≈ 0028 (0044 **D** 0029)

1F114 **(E)** PARENTHESIZED LATIN CAPITAL LETTER E
≈ 0028 (0045 **E** 0029)

1F115 **(F)** PARENTHESIZED LATIN CAPITAL LETTER F
≈ 0028 (0046 **F** 0029)

1F116 **(G)** PARENTHESIZED LATIN CAPITAL LETTER G
≈ 0028 (0047 **G** 0029)

1F117 **(H)** PARENTHESIZED LATIN CAPITAL LETTER H
≈ 0028 (0048 **H** 0029)

1F118 **(I)** PARENTHESIZED LATIN CAPITAL LETTER I
≈ 0028 (0049 **I** 0029)

1F119 **(J)** PARENTHESIZED LATIN CAPITAL LETTER J
≈ 0028 (004A **J** 0029)

1F11A **(K)** PARENTHESIZED LATIN CAPITAL LETTER K
≈ 0028 (004B **K** 0029)

1F11B **(L)** PARENTHESIZED LATIN CAPITAL LETTER L
≈ 0028 (004C **L** 0029)

1F11C **(M)** PARENTHESIZED LATIN CAPITAL LETTER M
≈ 0028 (004D **M** 0029)

1F11D **(N)** PARENTHESIZED LATIN CAPITAL LETTER N
≈ 0028 (004E **N** 0029)

1F11E **(O)** PARENTHESIZED LATIN CAPITAL LETTER O
≈ 0028 (004F **O** 0029)

1F11F **(P)** PARENTHESIZED LATIN CAPITAL LETTER P
≈ 0028 (0050 **P** 0029)

1F120 **(Q)** PARENTHESIZED LATIN CAPITAL LETTER Q
≈ 0028 (0051 **Q** 0029)

1F121 **(R)** PARENTHESIZED LATIN CAPITAL LETTER R
≈ 0028 (0052 **R** 0029)

1F122 **(S)** PARENTHESIZED LATIN CAPITAL LETTER S
≈ 0028 (0053 **S** 0029)

1F123 **(T)** PARENTHESIZED LATIN CAPITAL LETTER T
≈ 0028 (0054 **T** 0029)

1F124 **(U)** PARENTHESIZED LATIN CAPITAL LETTER U
≈ 0028 (0055 **U** 0029)

1F125 **(V)** PARENTHESIZED LATIN CAPITAL LETTER V
≈ 0028 (0056 **V** 0029)

1F126 **(W)** PARENTHESIZED LATIN CAPITAL LETTER W
≈ 0028 (0057 **W** 0029)

1F127 **(X)** PARENTHESIZED LATIN CAPITAL LETTER X
≈ 0028 (0058 **X** 0029)

1F128 **(Y)** PARENTHESIZED LATIN CAPITAL LETTER Y
≈ 0028 (0059 **Y** 0029)

1F129 **(Z)** PARENTHESIZED LATIN CAPITAL LETTER Z
≈ 0028 (005A **Z** 0029)

Latin letter with tortoise shell brackets

1F12A **[S]** TORTOISE SHELL BRACKETED LATIN CAPITAL LETTER S

• used in baseball scoring

≈ 3014 (0053 **S** 3015)

Circled italic Latin letters

1F12B **©** CIRCLED ITALIC LATIN CAPITAL LETTER C
= compact disc, single disc record

≈ <circle> 0043 **C**

1F12C **®** CIRCLED ITALIC LATIN CAPITAL LETTER R
= disc record

≈ <circle> 0052 **R**

Circled Latin letter sequences

1F12D **Ⓒ** CIRCLED CD

→ 33C5 cd square cd

≈ <circle> 0043 **C** 0044 **D**

1F12E **Ⓜ** CIRCLED WZ

• from the German term “Warenzeichen”

• indicate a trademarked term without making a legal claim of trademark status

→ 2122 TM trade mark sign

≈ <circle> 0057 **W** 005A **Z**

Squared Latin letters

1F130 **Ⓐ** SQUARED LATIN CAPITAL LETTER A

= Anreisetag (day of arrival)

≈ <square> 0041 **A**

1F131 **Ⓑ** SQUARED LATIN CAPITAL LETTER B

= bank






= b-mode stereo compression broadcasting service (ARIB STD B24)

≈ <square> 0042 **B**

- 1F132 **C** SQUARED LATIN CAPITAL LETTER C
≈ <square> 0043 **C**
- 1F133 **D** SQUARED LATIN CAPITAL LETTER D
≈ <square> 0044 **D**
- 1F134 **E** SQUARED LATIN CAPITAL LETTER E
≈ <square> 0045 **E**
- 1F135 **F** SQUARED LATIN CAPITAL LETTER F
≈ <square> 0046 **F**
- 1F136 **G** SQUARED LATIN CAPITAL LETTER G
≈ <square> 0047 **G**
- 1F137 **H** SQUARED LATIN CAPITAL LETTER H
≈ <square> 0048 **H**
- 1F138 **I** SQUARED LATIN CAPITAL LETTER I
≈ <square> 0049 **I**
- 1F139 **J** SQUARED LATIN CAPITAL LETTER J
≈ <square> 004A **J**
- 1F13A **K** SQUARED LATIN CAPITAL LETTER K
≈ <square> 004B **K**
- 1F13B **L** SQUARED LATIN CAPITAL LETTER L
≈ <square> 004C **L**
- 1F13C **M** SQUARED LATIN CAPITAL LETTER M
≈ <square> 004D **M**
- 1F13D **N** SQUARED LATIN CAPITAL LETTER N
= news (ARIB STD B24)
≈ <square> 004E **N**
- 1F13E **O** SQUARED LATIN CAPITAL LETTER O
≈ <square> 004F **O**
- 1F13F **P** SQUARED LATIN CAPITAL LETTER P
= progressive broadcasting (ARIB STD B24)
≈ <square> 0050 **P**
- 1F140 **Q** SQUARED LATIN CAPITAL LETTER Q
≈ <square> 0051 **Q**
- 1F141 **R** SQUARED LATIN CAPITAL LETTER R
≈ <square> 0052 **R**
- 1F142 **S** SQUARED LATIN CAPITAL LETTER S
= stereo broadcasting service (ARIB STD B24)
≈ <square> 0053 **S**
- 1F143 **T** SQUARED LATIN CAPITAL LETTER T
= tobacconist
≈ <square> 0054 **T**
- 1F144 **U** SQUARED LATIN CAPITAL LETTER U
≈ <square> 0055 **U**
- 1F145 **V** SQUARED LATIN CAPITAL LETTER V
≈ <square> 0056 **V**
- 1F146 **W** SQUARED LATIN CAPITAL LETTER W
= wide-format 16:9 broadcasting service (ARIB
STD B24)
≈ <square> 0057 **W**
- 1F147 **X** SQUARED LATIN CAPITAL LETTER X
≈ <square> 0058 **X**
- 1F148 **Y** SQUARED LATIN CAPITAL LETTER Y
≈ <square> 0059 **Y**
- 1F149 **Z** SQUARED LATIN CAPITAL LETTER Z
≈ <square> 005A **Z**
- 1F14A **HV** SQUARED HV
= hdtv
≈ <square> 0048 **H** 0056 **V**
- 1F14B **MV** SQUARED MV
= multi-view television
≈ <square> 004D **M** 0056 **V**
- 1F14C **SD** SQUARED SD
= sdtv
≈ <square> 0053 **S** 0044 **D**

- 1F14D **SS** SQUARED SS
= surround stereo broadcasting service
≈ <square> 0053 **S** 0053 **S**
- 1F14E **PPV** SQUARED PPV
= pay-per-view
≈ <square> 0050 **P** 0050 **P** 0056 **V**
- 1F14F **WC** SQUARED WC
= water closet, public toilet
≈ <square> 0057 **W** 0043 **C**

White on black circled Latin letters

- 1F150 **A** NEGATIVE CIRCLED LATIN CAPITAL LETTER A
= airport
- 1F151 **B** NEGATIVE CIRCLED LATIN CAPITAL LETTER B
- 1F152 **C** NEGATIVE CIRCLED LATIN CAPITAL LETTER C
- 1F153 **D** NEGATIVE CIRCLED LATIN CAPITAL LETTER D
- 1F154 **E** NEGATIVE CIRCLED LATIN CAPITAL LETTER E
- 1F155 **F** NEGATIVE CIRCLED LATIN CAPITAL LETTER F
= ferry
- 1F156 **G** NEGATIVE CIRCLED LATIN CAPITAL LETTER G
- 1F157 **H** NEGATIVE CIRCLED LATIN CAPITAL LETTER H
= hotel (ARIB STD B24)
- 1F158 **I** NEGATIVE CIRCLED LATIN CAPITAL LETTER I
- 1F159 **J** NEGATIVE CIRCLED LATIN CAPITAL LETTER J
- 1F15A **K** NEGATIVE CIRCLED LATIN CAPITAL LETTER K
= Kurort (spa)
→ 2668  hot springs
- 1F15B **L** NEGATIVE CIRCLED LATIN CAPITAL LETTER L
= light rail
→ 1F688  light rail
- 1F15C **M** NEGATIVE CIRCLED LATIN CAPITAL LETTER M
= metro
→ 1F687  metro
- 1F15D **N** NEGATIVE CIRCLED LATIN CAPITAL LETTER N
- 1F15E **O** NEGATIVE CIRCLED LATIN CAPITAL LETTER O
- 1F15F **P** NEGATIVE CIRCLED LATIN CAPITAL LETTER P
= parking space (ARIB STD B24)
- 1F160 **Q** NEGATIVE CIRCLED LATIN CAPITAL LETTER Q
- 1F161 **R** NEGATIVE CIRCLED LATIN CAPITAL LETTER R
= Raststätte (rest stop)
- 1F162 **S** NEGATIVE CIRCLED LATIN CAPITAL LETTER S
= Stadtbahn (metropolitan railway)
- 1F163 **T** NEGATIVE CIRCLED LATIN CAPITAL LETTER T
= Tankstelle (petrol station)
→ 26FD  fuel pump
- 1F164 **U** NEGATIVE CIRCLED LATIN CAPITAL LETTER U
= underground rail
→ 1F687  metro
- 1F165 **V** NEGATIVE CIRCLED LATIN CAPITAL LETTER V
- 1F166 **W** NEGATIVE CIRCLED LATIN CAPITAL LETTER W
- 1F167 **X** NEGATIVE CIRCLED LATIN CAPITAL LETTER X
- 1F168 **Y** NEGATIVE CIRCLED LATIN CAPITAL LETTER Y
- 1F169 **Z** NEGATIVE CIRCLED LATIN CAPITAL LETTER Z

Raised squared Latin sequences

- 1F16A ^{MC} RAISED MC SIGN
= marque de commerce
• used in Canada
→ 2122 TM trade mark sign
≈ <super> 004D **M** 0043 **C**
- 1F16B ^{MD} RAISED MD SIGN
= marque déposée
• used in Canada
→ 00AE [®] registered sign
≈ <super> 004D **M** 0044 **D**

White on black squared Latin letters

The square edges may be slightly rounded.

- 1F170 **A** NEGATIVE SQUARED LATIN CAPITAL LETTER A
= blood type A
- 1F171 **B** NEGATIVE SQUARED LATIN CAPITAL LETTER B
= blood type B
- 1F172 **C** NEGATIVE SQUARED LATIN CAPITAL LETTER C
= centre, city centre
- 1F173 **D** NEGATIVE SQUARED LATIN CAPITAL LETTER D
- 1F174 **E** NEGATIVE SQUARED LATIN CAPITAL LETTER E
- 1F175 **F** NEGATIVE SQUARED LATIN CAPITAL LETTER F
= Feuerwache (fire department)
- 1F176 **G** NEGATIVE SQUARED LATIN CAPITAL LETTER G
- 1F177 **H** NEGATIVE SQUARED LATIN CAPITAL LETTER H
= Haltestelle (bus stop)
→ 1F68F 🚏 bus stop
- 1F178 **I** NEGATIVE SQUARED LATIN CAPITAL LETTER I
- 1F179 **J** NEGATIVE SQUARED LATIN CAPITAL LETTER J
= junction (ARIB STD B24)
- 1F17A **K** NEGATIVE SQUARED LATIN CAPITAL LETTER K
- 1F17B **L** NEGATIVE SQUARED LATIN CAPITAL LETTER L
= leisure center (ARIB STD B24)
- 1F17C **M** NEGATIVE SQUARED LATIN CAPITAL LETTER M
= museum, cultural center (ARIB STD B24)
- 1F17D **N** NEGATIVE SQUARED LATIN CAPITAL LETTER N
- 1F17E **O** NEGATIVE SQUARED LATIN CAPITAL LETTER O
= blood type O
- 1F17F **P** NEGATIVE SQUARED LATIN CAPITAL LETTER P
= parking space empty-full (ARIB STD B24)
- 1F180 **Q** NEGATIVE SQUARED LATIN CAPITAL LETTER Q
- 1F181 **R** NEGATIVE SQUARED LATIN CAPITAL LETTER R
- 1F182 **S** NEGATIVE SQUARED LATIN CAPITAL LETTER S
- 1F183 **T** NEGATIVE SQUARED LATIN CAPITAL LETTER T
- 1F184 **U** NEGATIVE SQUARED LATIN CAPITAL LETTER U
- 1F185 **V** NEGATIVE SQUARED LATIN CAPITAL LETTER V
- 1F186 **W** NEGATIVE SQUARED LATIN CAPITAL LETTER W
- 1F187 **X** NEGATIVE SQUARED LATIN CAPITAL LETTER X
- 1F188 **Y** NEGATIVE SQUARED LATIN CAPITAL LETTER Y
- 1F189 **Z** NEGATIVE SQUARED LATIN CAPITAL LETTER Z
- 1F18A **Ⓜ** CROSSED NEGATIVE SQUARED LATIN CAPITAL LETTER P
= parking space closed
- 1F18B **IC** NEGATIVE SQUARED IC
= interchange, ramp
- 1F18C **PA** NEGATIVE SQUARED PA
= parking area
- 1F18D **SA** NEGATIVE SQUARED SA
= service area
- 1F18E **AB** NEGATIVE SQUARED AB
= blood type AB
- 1F18F **WC** NEGATIVE SQUARED WC
= water closet, public toilet

Squared Latin letter sequences

- 1F190 **DJ** SQUARE DJ
= disc jockey
≈ <square> 0044 **D** 004A **J**
- 1F191 **CL** SQUARED CL
= clear
- 1F192 **COOL** SQUARED COOL
- 1F193 **FREE** SQUARED FREE
= free postage
- 1F194 **ID** SQUARED ID
= identification, ID

- 1F195 **NEW** SQUARED NEW
- 1F196 **NG** SQUARED NG
= no good
- 1F197 **OK** SQUARED OK
- 1F198 **SOS** SQUARED SOS
= search, hunt for missing person
- 1F199 **UPI** SQUARED UP WITH EXCLAMATION MARK
= new information, update
- 1F19A **VS** SQUARED VS
= versus

Regional indicator symbols

These characters can be used in pairs to represent regional codes. In some emoji implementations, certain pairs may be recognized and displayed by alternate means; for instance, an implementation might recognize F + R and display this combination with a symbol representing the flag of France.

- 1F1E6 **A** REGIONAL INDICATOR SYMBOL LETTER A
- 1F1E7 **B** REGIONAL INDICATOR SYMBOL LETTER B
- 1F1E8 **C** REGIONAL INDICATOR SYMBOL LETTER C
- 1F1E9 **D** REGIONAL INDICATOR SYMBOL LETTER D
- 1F1EA **E** REGIONAL INDICATOR SYMBOL LETTER E
- 1F1EB **F** REGIONAL INDICATOR SYMBOL LETTER F
- 1F1EC **G** REGIONAL INDICATOR SYMBOL LETTER G
- 1F1ED **H** REGIONAL INDICATOR SYMBOL LETTER H
- 1F1EE **I** REGIONAL INDICATOR SYMBOL LETTER I
- 1F1EF **J** REGIONAL INDICATOR SYMBOL LETTER J
- 1F1F0 **K** REGIONAL INDICATOR SYMBOL LETTER K
- 1F1F1 **L** REGIONAL INDICATOR SYMBOL LETTER L
- 1F1F2 **M** REGIONAL INDICATOR SYMBOL LETTER M
- 1F1F3 **N** REGIONAL INDICATOR SYMBOL LETTER N
- 1F1F4 **O** REGIONAL INDICATOR SYMBOL LETTER O
- 1F1F5 **P** REGIONAL INDICATOR SYMBOL LETTER P
- 1F1F6 **Q** REGIONAL INDICATOR SYMBOL LETTER Q
- 1F1F7 **R** REGIONAL INDICATOR SYMBOL LETTER R
- 1F1F8 **S** REGIONAL INDICATOR SYMBOL LETTER S
- 1F1F9 **T** REGIONAL INDICATOR SYMBOL LETTER T
- 1F1FA **U** REGIONAL INDICATOR SYMBOL LETTER U
- 1F1FB **V** REGIONAL INDICATOR SYMBOL LETTER V
- 1F1FC **W** REGIONAL INDICATOR SYMBOL LETTER W
- 1F1FD **X** REGIONAL INDICATOR SYMBOL LETTER X
- 1F1FE **Y** REGIONAL INDICATOR SYMBOL LETTER Y
- 1F1FF **Z** REGIONAL INDICATOR SYMBOL LETTER Z

	1F30	1F31	1F32	1F33	1F34	1F35	1F36	1F37	1F38	1F39	1F3A	1F3B	1F3C	1F3D	1F3E	1F3F
0	1F300	1F310	1F320	1F330	1F340	1F350	1F360	1F370	1F380	1F390	1F3A0	1F3B0	1F3C0	1F3D0	1F3E0	1F3F0
1	1F301	1F311	1F321	1F331	1F341	1F351	1F361	1F371	1F381	1F391	1F3A1	1F3B1	1F3C1	1F3D1	1F3E1	1F3F1
2	1F302	1F312	1F322	1F332	1F342	1F352	1F362	1F372	1F382	1F392	1F3A2	1F3B2	1F3C2	1F3D2	1F3E2	1F3F2
3	1F303	1F313	1F323	1F333	1F343	1F353	1F363	1F373	1F383	1F393	1F3A3	1F3B3	1F3C3	1F3D3	1F3E3	1F3F3
4	1F304	1F314	1F324	1F334	1F344	1F354	1F364	1F374	1F384	1F394	1F3A4	1F3B4	1F3C4	1F3D4	1F3E4	1F3F4
5	1F305	1F315	1F325	1F335	1F345	1F355	1F365	1F375	1F385	1F395	1F3A5	1F3B5	1F3C5	1F3D5	1F3E5	1F3F5
6	1F306	1F316	1F326	1F336	1F346	1F356	1F366	1F376	1F386	1F396	1F3A6	1F3B6	1F3C6	1F3D6	1F3E6	1F3F6
7	1F307	1F317	1F327	1F337	1F347	1F357	1F367	1F377	1F387	1F397	1F3A7	1F3B7	1F3C7	1F3D7	1F3E7	1F3F7
8	1F308	1F318	1F328	1F338	1F348	1F358	1F368	1F378	1F388	1F398	1F3A8	1F3B8	1F3C8	1F3D8	1F3E8	1F3F8
9	1F309	1F319	1F329	1F339	1F349	1F359	1F369	1F379	1F389	1F399	1F3A9	1F3B9	1F3C9	1F3D9	1F3E9	1F3F9
A	1F30A	1F31A	1F32A	1F33A	1F34A	1F35A	1F36A	1F37A	1F38A	1F39A	1F3AA	1F3BA	1F3CA	1F3DA	1F3EA	1F3FA
B	1F30B	1F31B	1F32B	1F33B	1F34B	1F35B	1F36B	1F37B	1F38B	1F39B	1F3AB	1F3BB	1F3CB	1F3DB	1F3EB	1F3FB
C	1F30C	1F31C	1F32C	1F33C	1F34C	1F35C	1F36C	1F37C	1F38C	1F39C	1F3AC	1F3BC	1F3CC	1F3DC	1F3EC	1F3FC
D	1F30D	1F31D	1F32D	1F33D	1F34D	1F35D	1F36D	1F37D	1F38D	1F39D	1F3AD	1F3BD	1F3CD	1F3DD	1F3ED	1F3FD
E	1F30E	1F31E	1F32E	1F33E	1F34E	1F35E	1F36E	1F37E	1F38E	1F39E	1F3AE	1F3BE	1F3CE	1F3DE	1F3EE	1F3FE
F	1F30F	1F31F	1F32F	1F33F	1F34F	1F35F	1F36F	1F37F	1F38F	1F39F	1F3AF	1F3BF	1F3CF	1F3DF	1F3EF	1F3FF

	1F40	1F41	1F42	1F43	1F44	1F45	1F46	1F47	1F48	1F49	1F4A	1F4B	1F4C	1F4D	1F4E	1F4F
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Weather, landscape, and sky symbols

- 1F300 ☄ CYCLONE
= typhoon, hurricane
- 1F301 🌫️ FOGGY
- 1F302 🌂 CLOSED UMBRELLA
- 1F303 🌃 NIGHT WITH STARS
- 1F304 🌄 SUNRISE OVER MOUNTAINS
- 1F305 🌅 SUNRISE
- 1F306 🌆 CITYSCAPE AT DUSK
- 1F307 🌇 SUNSET OVER BUILDINGS
- 1F308 🌈 RAINBOW
- 1F309 🌉 BRIDGE AT NIGHT
- 1F30A 🌊 WATER WAVE
- 1F30B 🌋 VOLCANO
- 1F30C 🌌 MILKY WAY

Globe symbols

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

Moon, sun, and star symbols

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

Weather symbols

- 1F322 ☀️ WHITE SUN
= sunny
= w-0213
→ 263C ☀️ white sun with rays
- 1F323 ☁️ WHITE SUN WITH SMALL BLACK CLOUD
= mostly sunny
= w-0214
→ 26C5 ☁️ sun behind cloud
- 1F324 ☁️ WHITE SUN BEHIND BLACK CLOUDS
= mostly cloudy
= w-0215

1F325 ☁️ WHITE SUN BEHIND BLACK CLOUDS AND RAIN
= showers
= w-0216

1F326 ☁️ BLACK CLOUD
= cloudy
= w-0217
→ 2601 ☁️ cloud

1F327 ☁️ BLACK CLOUD AND SNOW
= snow, snow showers
= w-0218

1F328 ☁️ BLACK CLOUD AND RAIN
= rain
= w-0219

1F329 ☁️ BLACK CLOUD AND THUNDER
= lightning, thunderstorm
= w-0220
→ 26C8 ☁️ thunder cloud and rain

1F32A 🌩️ BLACK CLOUD AND TORNADO
= tornado, twister
= w-0221

1F32B 🌬️ WIND BLOWING FACE
= wind
= w-0222

1F32C 🌫️ FOG
= w-0223
→ 1F301 🌫️ foggy

1F32D 🌡️ THERMOMETER
= temperature, warm
= w-0225

1F32E ☀️ WHITE SUN WITH BLACK RAYS
= sunshine
= w-1082
→ 263C ☀️ white sun with rays

1F32F 💧 BLACK DROPLET
= droplet
= w-1083
→ 1F4A7 ⚪ droplet

Plant symbols

- 1F330 🌳 CHESTNUT
- 1F331 🌱 SEEDLING
- 1F332 🌲 EVERGREEN TREE
- 1F333 🌳 DECIDUOUS TREE
- 1F334 🌴 PALM TREE
- 1F335 🌵 CACTUS
- 1F336 🌶️ HOT PEPPER
= hot
= w-0044
- 1F337 🌷 TULIP
→ 2698 🌷 flower
- 1F338 🌸 CHERRY BLOSSOM
- 1F339 🌹 ROSE
- 1F33A 🌺 HIBISCUS
- 1F33B 🌻 SUNFLOWER
- 1F33C 🌼 BLOSSOM
= daisy
- 1F33D 🌽 EAR OF MAIZE
- 1F33E 🌾 EAR OF RICE
- 1F33F 🌿 HERB
- 1F340 🍀 FOUR LEAF CLOVER
→ 2618 🍀 shamrock
- 1F341 🍁 MAPLE LEAF
- 1F342 🍂 FALLEN LEAF
- 1F343 🍃 LEAF FLUTTERING IN WIND
- 1F344 🍄 MUSHROOM

Fruit and vegetable symbols

- 1F345 🍅 TOMATO
 1F346 🍆 AUBERGINE
 = eggplant
 1F347 🍇 GRAPES
 1F348 🍈 MELON
 1F349 🍉 WATERMELON
 1F34A 🍊 TANGERINE
 1F34B 🍋 LEMON
 1F34C 🍌 BANANA
 1F34D 🍍 PINEAPPLE
 1F34E 🍏 RED APPLE
 1F34F 🍏 GREEN APPLE
 1F350 🍐 PEAR
 1F351 🍑 PEACH
 1F352 🍒 CHERRIES
 1F353 🍓 STRAWBERRY

Food symbols

- 1F354 🍔 HAMBURGER
 = fast food place
 1F355 🍕 SLICE OF PIZZA
 1F356 🍖 MEAT ON BONE
 1F357 🍗 POULTRY LEG
 1F358 🍞 RICE CRACKER
 1F359 🍡 RICE BALL
 1F35A 🍛 COOKED RICE
 = bowl of rice
 1F35B 🍛 CURRY AND RICE
 = Japanese style curry
 1F35C 🍜 STEAMING BOWL
 = ramen noodles
 1F35D 🍝 SPAGHETTI
 1F35E 🍞 BREAD
 1F35F 🍟 FRENCH FRIES
 1F360 🍠 ROASTED SWEET POTATO
 1F361 🍡 DANGO
 = mochi balls on skewer
 1F362 🍢 ODEN
 = seafood on skewer
 1F363 🍣 SUSHI
 1F364 🍤 FRIED SHRIMP
 1F365 🍣 FISH CAKE WITH SWIRL DESIGN
 1F366 🍧 SOFT ICE CREAM
 1F367 🍧 SHAVED ICE
 1F368 🍦 ICE CREAM
 1F369 🍪 DOUGHNUT
 1F36A 🍪 COOKIE
 = biscuit
 1F36B 🍫 CHOCOLATE BAR
 1F36C 🍬 CANDY
 1F36D 🍭 LOLLIPOP
 1F36E 🍮 CUSTARD
 1F36F 🍯 HONEY POT
 1F370 🍰 SHORTCAKE
 1F371 🍱 BENTO BOX
 1F372 🍲 POT OF FOOD
 1F373 🍳 COOKING
 = frying pan, cooking utensil

- 1F374 🍴 FORK AND KNIFE
 = restaurant, meal
 • glyph may show a fork and spoon
 • glyph may show a crossed fork and knife
 • glyph may show a fork and knife with a plate

Beverage symbols

- 1F375 🍵 TEACUP WITHOUT HANDLE
 → 2615 ☕ hot beverage
 → 26FE ☕ cup on black square
 1F376 🍷 SAKE BOTTLE AND CUP
 1F377 🍷 WINE GLASS
 1F378 🍸 COCKTAIL GLASS
 1F379 🍹 TROPICAL DRINK
 1F37A 🍺 BEER MUG
 1F37B 🍻 CLINKING BEER MUGS
 = cheers
 1F37C 🍼 BABY BOTTLE
 1F37D 🍸 COCKTAIL GLASS 1
 = lounge
 = w-0229
 → 1F378 🍸 cocktail glass

Food symbol

- 1F37E 🍴 FORK AND KNIFE WITH BLACK PLATE
 = dining
 = w-0228
 → 1F374 🍴 fork and knife

Celebration symbols

- 1F380 🎀 RIBBON
 1F381 📦 WRAPPED PRESENT
 → 1F4E6 📦 package
 1F382 🎂 BIRTHDAY CAKE
 1F383 🎃 JACK-O-LANTERN
 = Hallowe'en
 1F384 🎄 CHRISTMAS TREE
 1F385 🎅 FATHER CHRISTMAS
 = Santa Claus
 1F386 🎆 FIREWORKS
 1F387 🎆 FIREWORK SPARKLER
 • long, stick-like firework that looks like a burning incense stick
 1F388 🎈 BALLOON
 1F389 🎉 PARTY POPPER
 1F38A 🎊 CONFETTI BALL
 = congratulations
 1F38B 🎋 TANABATA TREE
 = tanabata tree with wishing papers
 1F38C 🚩 CROSSED FLAGS
 • Japanese national holiday
 1F38D 🎎 PINE DECORATION
 • Japanese new year's door decoration
 1F38E 🎎 JAPANESE DOLLS
 • Japanese Hinamatsuri or girls' doll festival
 1F38F 🎏 CARP STREAMER
 1F390 🎐 WIND CHIME
 1F391 🌕 MOON VIEWING CEREMONY
 • Japanese Otsukimi harvest celebration
 1F392 🎒 SCHOOL SACHEL
 • Japanese school entrance ceremony
 1F393 🎓 GRADUATION CAP
 • graduation ceremony

1F394 ♥ HEART WITH TIP ON THE LEFT
= favorite
= w-0089
→ 2665 ♥ black heart suit

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

Musical symbols

1F397 🎹 MUSICAL KEYBOARD WITH PLUGS
= midi, midi keyboard
= w-0176
→ 1F3B9 🎹 musical keyboard

1F398 🎤 STUDIO MICROPHONE
= microphone
= w-0177
→ 1F3A4 🎤 microphone

1F399 🎧 HEADPHONES
= w-0178
→ 1F3A7 🎧 headphone

1F39A 💿 OPTICAL DISC CDROM
= w-0179
→ 1F4BF 💿 optical disc

1F39B 🎚 LEVEL SLIDER
= level control
= w-0188

1F39C 🎛 CONTROL KNOBS
= audio control
= w-0189

Entertainment symbols

1F39D 🎵 MUSICAL PERFORMANCE
= music, musical background
= w-0175
• always ascending, unlike 266C 🎵
→ 266C 🎵 beamed sixteenth notes

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

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

1F3A0 🎠 CAROUSEL HORSE
= amusement park

1F3A1 🎡 FERRIS WHEEL
= amusement park

1F3A2 🎢 ROLLER COASTER

1F3A3 🎣 FISHING POLE AND FISH
= fishing

1F3A4 🎤 MICROPHONE
= karaoke

1F3A5 🎥 MOVIE CAMERA
= film, movies

1F3A6 🎬 CINEMA
= movie theater, movie projector

1F3A7 🎧 HEADPHONE
= music

1F3A8 🎨 ARTIST PALETTE
= art

1F3A9 🎭 TOP HAT
= drama, performing arts, theater

1F3AA 🎪 CIRCUS TENT
= event

1F3AB 🎫 TICKET
• indicates an event

1F3AC 🎬 CLAPPER BOARD

1F3AD 🎭 PERFORMING ARTS

Game symbols

1F3AE 🎮 VIDEO GAME
= video game controller

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

1F3B0 🎰 SLOT MACHINE

1F3B1 🎱 BILLIARDS

1F3B2 🎲 GAME DIE

1F3B3 🎳 BOWLING

1F3B4 🎴 FLOWER PLAYING CARDS
= flower cards

Music symbols

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

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

1F3B7 🎷 SAXOPHONE

1F3B8 🎸 GUITAR

1F3B9 🎹 MUSICAL KEYBOARD

1F3BA 🎺 TRUMPET

1F3BB 🎻 VIOLIN

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

Sport symbols

See other sport symbols in the Miscellaneous Symbols block.

1F3BD 🎽 RUNNING SHIRT WITH SASH

1F3BE 🎾 TENNIS RACQUET AND BALL
= tennis

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

1F3C0 🏀 BASKETBALL AND HOOP
= basketball

1F3C1 🚩 CHEQUERED FLAG
= motor sports

1F3C2 🏂 SNOWBOARDER

1F3C3 🏃 RUNNER
= running, marathon, track and fields

1F3C4 🏄 SURFER
= surfing

1F3C5 🏂 RIGHTWARDS SKIER DOWNHILL
= w-0135
→ 26F7 🏂 skier

1F3C6 🏆 TROPHY

1F3C7 🐎 HORSE RACING




1F3C8 🏈 AMERICAN FOOTBALL

1F3C9 🏉 RUGBY FOOTBALL

1F3CA 🏊 SWIMMER



1F3CB 🏊 RIGHTWARDS SWIMMER
= pool
= w-0138
→ 1F3CA 🏊 swimmer

1F3CC 🏋 WEIGHT LIFTER
= health
= w-0134
























1F3CD		GOLFER = w-0137
1F3CE		MOTORCYCLE RIDER = motorcycle = w-0140
1F3CF		RACE CAR WITH RIDER = race car = w-0141

Building and map symbols

1F3D0		BUILDING CONSTRUCTION SIGN = under construction = w-0065 → 1F6A7  construction sign
1F3D1		WHITE HOUSES WITH TERRAIN = town = w-0066 → 1F3E1  house with garden
1F3D2		CITYSCAPE = skyline, city = w-0067 → 1F306  cityscape at dusk
1F3D3		CONDEMNED HOUSE WITH TERRAIN = derelict site = w-0068 → 1F3E0  house building
1F3D4		DESERT TERRAIN = desert = w-0069 → 1F335  cactus
1F3D5		FACTORY WITH TERRAIN = factory = w-0070 → 1F3ED  factory
1F3D6		CLASSICAL FACADE WITH TERRAIN = public building = w-0071
1F3D7		SINGLE HOUSE WITH TERRAIN = home = w-0072 → 1F3E1  house with garden
1F3D8		BEACH WITH UMBRELLA = beach = w-0073 → 26F1  umbrella on ground
1F3D9		DESERT ISLAND = island = w-0074 → 1F334  palm tree
1F3DA		HIGHWAY WITH BILLBOARD = motorway = w-0075
1F3DB		MOUNTAIN OR VOLCANO = mountain = w-0077 → 1F30B  volcano → 1F5FB  mount fuji → 26F0  mountain
1F3DC		TRAIL = park = w-0080 → 1F332  evergreen tree
1F3DD		CAMPING = w-0081 → 26FA  tent

1F3DE		TRAIN TRACKS WITH TERRAIN = railroad = w-0082
1F3DF		SPORTS ARENA WITH TERRAIN = stadium = w-0083

Building and map symbols

1F3E0		HOUSE BUILDING
1F3E1		HOUSE WITH GARDEN = home, house with yard
1F3E2		OFFICE BUILDING
1F3E3		JAPANESE POST OFFICE → 3012  postal mark
1F3E4		EUROPEAN POST OFFICE
1F3E5		HOSPITAL → 26E8  black cross on shield
1F3E6		BANK → 1F131  squared latin capital letter b
1F3E7		AUTOMATED TELLER MACHINE = ATM
1F3E8		HOTEL → 1F157  negative circled latin capital letter h
1F3E9		LOVE HOTEL
1F3EA		CONVENIENCE STORE
1F3EB		SCHOOL
1F3EC		DEPARTMENT STORE
1F3ED		FACTORY = industrial production site = date of production → 26ED  gear without hub
1F3EE		IZAKAYA LANTERN = japanese izakaya restaurant
1F3EF		JAPANESE CASTLE
1F3F0		EUROPEAN CASTLE → 26EB  castle

Eyeglasses symbols
















1F3F1		DARK SUNGLASSES = cool = w-0036
1F3F2		READING GLASSES → 1F453  eyeglasses = w-1036































Miscellaneous symbols

1F3F3		NO PIRACY = w-0035
1F3F4		MEDAL = w-0038
1F3F5		REMINDER RIBBON = w-0045
1F3F6		CROSSED TOOLS = tools, repair facility = w-0064 → 2692  hammer and pick
1F3F7		SHIELD = US road interstate highway = w-0100
1F3F8		BLACK PACKAGE = w-0101 → 1F381  wrapped present → 1F4E6  package
1F3F9		MAN IN BUSINESS SUIT LEVITATING = jump = w-0109











1F3FA		GOLF PENNANT = flag = w-0119 → 1F6A9  triangular flag on post
1F3FB		BLACK EXTRATERRESTRIAL ALIEN = scifi = w-0133 → 1F47D  extraterrestrial alien
1F3FC		STOCK CHART = finance = w-0143 → 1F4C8  chart with upwards trend
1F3FD		OIL DRUM = commodities = w-0144
1F3FE		BLACK MONEY BAG = money = w-0145 → 1F4B0  money bag
1F3FF		PRICE TAG = price = w-0146 → 1F516  bookmark

Animal symbols

1F400		RAT • first of the signs of the Asian zodiac
1F401		MOUSE • first of the signs of the Asian zodiac, used in Persia
1F402		OX • second of the signs of the Asian zodiac
1F403		WATER BUFFALO • second of the signs of the Asian zodiac, used in Vietnam
1F404		COW • second of the signs of the Asian zodiac, used in Persia = beef (on menus)
1F405		TIGER • third of the signs of the Asian zodiac
1F406		LEOPARD • third of the signs of the Asian zodiac, used in Persia
1F407		RABBIT • fourth of the signs of the Asian zodiac
1F408		CAT • fourth of the signs of the Asian zodiac, used in Vietnam
1F409		DRAGON • fifth of the signs of the Asian zodiac
1F40A		CROCODILE • fifth of the signs of the Asian zodiac, used in Persia
1F40B		WHALE • fifth of the signs of the Asian zodiac, used in Persia
1F40C		SNAIL • fifth of the signs of the Asian zodiac, used in Kazakhstan
1F40D		SNAKE • sixth of the signs of the Asian zodiac
1F40E		HORSE • seventh of the signs of the Asian zodiac

1F40F		RAM • eighth of the signs of the Asian zodiac
1F410		GOAT • eighth of the signs of the Asian zodiac, used in Vietnam
1F411		SHEEP • eighth of the signs of the Asian zodiac, used in Persia
1F412		MONKEY • ninth of the signs of the Asian zodiac
1F413		ROOSTER • tenth of the signs of the Asian zodiac = cock
1F414		CHICKEN • tenth of the signs of the Asian zodiac, used in Persia = hen = poultry (on menus)
1F415		DOG • eleventh of the signs of the Asian zodiac
1F416		PIG • twelfth of the signs of the Asian zodiac = pork (on menus)
1F417		BOAR • twelfth of the signs of the Asian zodiac, used in Japan
1F418		ELEPHANT • twelfth of the signs of the Asian zodiac, used in Thailand
1F419		OCTOPUS
1F41A		SPIRAL SHELL
1F41B		BUG
1F41C		ANT
1F41D		HONEYBEE
1F41E		LADY BEETLE = ladybird, ladybug, coccinellids
1F41F		FISH
1F420		TROPICAL FISH
1F421		BLOWFISH
1F422		TURTLE
1F423		HATCHING CHICK
1F424		BABY CHICK
1F425		FRONT-FACING BABY CHICK
1F426		BIRD
1F427		PENGUIN
1F428		KOALA
1F429		POODLE
1F42A		DROMEDARY CAMEL • has a single hump
1F42B		BACTRIAN CAMEL • has two humps
1F42C		DOLPHIN

Animal faces

1F42D		MOUSE FACE
1F42E		COW FACE
1F42F		TIGER FACE
1F430		RABBIT FACE
1F431		CAT FACE → 1F63A  smiling cat face with open mouth
1F432		DRAGON FACE
1F433		SPOUTING WHALE
1F434		HORSE FACE
1F435		MONKEY FACE

- 1F436 🐶 DOG FACE
 1F437 🐷 PIG FACE
 1F438 🐸 FROG FACE
 1F439 🐹 HAMSTER FACE
 1F43A 🐺 WOLF FACE
 1F43B 🐻 BEAR FACE
 1F43C 🐼 PANDA FACE
 1F43D 🐷 PIG NOSE
 1F43E 🐾 PAW PRINTS
 → 1F463 🐾 footprints

Facial parts symbols

- 1F440 👁 EYES

Facial part symbols

- 1F441 👁 EYE
 = sight
 = w-0078

- 1F442 👂 EAR

- 1F443 👃 NOSE

- 1F444 👄 MOUTH

- 1F445 👅 TONGUE

Hand symbols

- 1F446 🖐 WHITE UP POINTING BACKHAND INDEX

→ 261D 🖐 white up pointing index

- 1F447 🖏 WHITE DOWN POINTING BACKHAND INDEX

→ 261F 🖏 white down pointing index

- 1F448 🖐 WHITE LEFT POINTING BACKHAND INDEX

→ 261C 🖐 white left pointing index

- 1F449 🖐 WHITE RIGHT POINTING BACKHAND INDEX

→ 261E 🖐 white right pointing index

- 1F44A 🖊 FISTED HAND SIGN

= punch

→ 270A 🖊 raised fist

- 1F44B 🖐 WAVING HAND SIGN

→ 270B 🖐 raised hand

- 1F44C 🖐 OK HAND SIGN

- 1F44D 🖐 THUMBS UP SIGN

- 1F44E 🖐 THUMBS DOWN SIGN

- 1F44F 🖐 CLAPPING HANDS SIGN

- 1F450 🖐 OPEN HANDS SIGN

Clothing and accessories

- 1F451 👑 CROWN

- 1F452 👒 WOMANS HAT

- 1F453 🕶 EYEGLASSES

- 1F454 👔 NECKTIE

- 1F455 👕 T-SHIRT

- 1F456 👖 JEANS

- 1F457 👗 DRESS

- 1F458 👘 KIMONO

- 1F459 👙 BIKINI

- 1F45A 👚 WOMANS CLOTHES

- 1F45B 👜 PURSE

- 1F45C 👛 HANDBAG

- 1F45D 👛 POUCH

- 1F45E 👞 MANS SHOE

- 1F45F 👟 ATHLETIC SHOE

= runner, sneaker, tennis shoe

- 1F460 👠 HIGH-HEELED SHOE

- 1F461 👡 WOMANS SANDAL

- 1F462 👢 WOMANS BOOTS

- 1F463 🐾 FOOTPRINTS

→ 1F43E 🐾 paw prints

Portrait and role symbols

- 1F464 👤 BUST IN SILHOUETTE

= guest account

- 1F465 👥 BUSTS IN SILHOUETTE

= accounts

- 1F466 👦 BOY

- 1F467 👧 GIRL

- 1F468 👨 MAN

- 1F469 👩 WOMAN

- 1F46A 👨👩👧👦 FAMILY

- 1F46B 👨👩🚻 MAN AND WOMAN HOLDING HANDS

→ 1F6BB 🚻 restroom

- 1F46C 👨👨 TWO MEN HOLDING HANDS

- 1F46D 👩👩 TWO WOMEN HOLDING HANDS

- 1F46E 👮 POLICE OFFICER

- 1F46F 🐰 WOMAN WITH BUNNY EARS

- 1F470 👰 BRIDE WITH VEIL

- 1F471 🧑 PERSON WITH BLOND HAIR

- 1F472 👨 MAN WITH GUA PI MAO

- 1F473 👨 MAN WITH TURBAN

- 1F474 👴 OLDER MAN

- 1F475 👵 OLDER WOMAN

- 1F476 👶 BABY

- 1F477 👷 CONSTRUCTION WORKER

Fairy tale symbols

- 1F478 👸 PRINCESS

- 1F479 👹 JAPANESE OGRE

- 1F47A 👺 JAPANESE GOBLIN

- 1F47B 👻 GHOST

- 1F47C 👼 BABY ANGEL

- 1F47D 👽 EXTRATERRESTRIAL ALIEN

- 1F47E 👾 ALIEN MONSTER

- 1F47F 👹 IMP

- 1F480 🦴 SKULL

Role symbols

- 1F481 👮 INFORMATION DESK PERSON

- 1F482 👮 GUARDSMAN

- 1F483 🕺 DANCER

Personal care symbols

- 1F484 💄 LIPSTICK

- 1F485 💅 NAIL POLISH
 = manicure, nail care

- 1F486 🧖 FACE MASSAGE

- 1F487 💇 HAIRCUT

• usually indicates a beauty parlor

- 1F488 🧔 BARBER POLE

Medical symbols

- 1F489 🪡 SYRINGE

- 1F48A 💊 PILL

Romance symbols

- 1F48B 💋 KISS MARK






= lips

- 1F48C 📧 LOVE LETTER

- 1F48D 💍 RING

= jewelry










- 1F48E 💎 GEM STONE

- 1F48F  KISS
= two people kissing
- 1F490  BOUQUET
- 1F491  COUPLE WITH HEART
- 1F492  WEDDING
= wedding chapel
→ 26AD  marriage symbol



Heart symbols

- 1F493  BEATING HEART
- 1F494  BROKEN HEART
- 1F495  TWO HEARTS
- 1F496  SPARKLING HEART
- 1F497  GROWING HEART
- 1F498  HEART WITH ARROW
- 1F499  BLUE HEART
→ 2661  white heart suit
→ 2665  black heart suit
→ 2764  heavy black heart
- 1F49A  GREEN HEART
- 1F49B  YELLOW HEART
- 1F49C  PURPLE HEART
- 1F49D  HEART WITH RIBBON
- 1F49E  REVOLVING HEARTS
- 1F49F  HEART DECORATION

Comic style symbols


- 1F4A0  DIAMOND SHAPE WITH A DOT INSIDE
= kawaii, cute
→ 27D0  white diamond with centred dot
- 1F4A1  ELECTRIC LIGHT BULB
= idea
- 1F4A2  ANGER SYMBOL
- 1F4A3  BOMB
- 1F4A4  SLEEPING SYMBOL
- 1F4A5  COLLISION SYMBOL
- 1F4A6  SPLASHING SWEAT SYMBOL
= plewds
- 1F4A7  DROPLET
• represents a drop of sweat or drop of water
- 1F4A8  DASH SYMBOL
= running dash, briffits
- 1F4A9  PILE OF POO
= dog dirt
- 1F4AA  FLEXED BICEPS
= strong, muscled
- 1F4AB  DIZZY SYMBOL
= circling stars, squeans
- 1F4AC  SPEECH BALLOON
= comic book conversation bubble
- 1F4AD  THOUGHT BALLOON

Japanese school grade symbols







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

Money symbols




































- 1F4B0  MONEY BAG
• glyph may show any currency symbol instead of a dollar sign
- 1F4B1  CURRENCY EXCHANGE

- 1F4B2  HEAVY DOLLAR SIGN
→ 0024 \$ dollar sign









1F4B3  CREDIT CARD






















- 1F4B4  BANKNOTE WITH YEN SIGN
- 1F4B5  BANKNOTE WITH DOLLAR SIGN
- 1F4B6  BANKNOTE WITH EURO SIGN
- 1F4B7  BANKNOTE WITH POUND SIGN
- 1F4B8  MONEY WITH WINGS
- 1F4B9  CHART WITH UPWARDS TREND AND YEN SIGN

Office symbols












- 1F4BA  SEAT
- 1F4BB  PERSONAL COMPUTER
- 1F4BC  BRIEFCASE
- 1F4BD  MINIDISC
- 1F4BE  FLOPPY DISK
= flexible disk cartridge, floppy disc, floppy, diskette
- 1F4BF  OPTICAL DISC
- 1F4C0  DVD
= digital video/versatile disc
- 1F4C1  FILE FOLDER
- 1F4C2  OPEN FILE FOLDER
- 1F4C3  PAGE WITH CURL
- 1F4C4  PAGE FACING UP
- 1F4C5  CALENDAR
- 1F4C6  TEAR-OFF CALENDAR
- 1F4C7  CARD INDEX
- 1F4C8  CHART WITH UPWARDS TREND
- 1F4C9  CHART WITH DOWNWARDS TREND
- 1F4CA  BAR CHART
- 1F4CB  CLIPBOARD
- 1F4CC  PUSHPIN
- 1F4CD  ROUND PUSHPIN
- 1F4CE  PAPERCLIP
- 1F4CF  STRAIGHT RULER
- 1F4D0  TRIANGULAR RULER
- 1F4D1  BOOKMARK TABS
- 1F4D2  LEDGER
- 1F4D3  NOTEBOOK
- 1F4D4  NOTEBOOK WITH DECORATIVE COVER
- 1F4D5  CLOSED BOOK
- 1F4D6  OPEN BOOK
= read operator's manual
• similar to ISO/IEC 7000-0790 "Read operator's manual"
- 1F4D7  GREEN BOOK
- 1F4D8  BLUE BOOK
- 1F4D9  ORANGE BOOK
- 1F4DA  BOOKS
- 1F4DB  NAME BADGE
- 1F4DC  SCROLL

Communication symbols





- 1F4DD  MEMO
- 1F4DE  TELEPHONE RECEIVER
- 1F4DF  PAGER
- 1F4E0  FAX MACHINE
→ 213B  facsimile sign
- 1F4E1  SATELLITE ANTENNA
= position indicator, news
- 1F4E2  PUBLIC ADDRESS LOUDSPEAKER
- 1F4E3  CHEERING MEGAPHONE
































- 1F4E4  OUTBOX TRAY
- 1F4E5  INBOX TRAY
- 1F4E6  PACKAGE
→ 1F381  wrapped present
- 1F4E7  E-MAIL SYMBOL
• glyph may show an @-sign instead of an E
- 1F4E8  INCOMING ENVELOPE
→ 2709  envelope
- 1F4E9  ENVELOPE WITH DOWNWARDS ARROW ABOVE
• sending mail
- 1F4EA  CLOSED MAILBOX WITH LOWERED FLAG
= letter box, mail reception
= empty mailbox
- 1F4EB  CLOSED MAILBOX WITH RAISED FLAG
= mailbox containing mail
- 1F4EC  OPEN MAILBOX WITH RAISED FLAG
- 1F4ED  OPEN MAILBOX WITH LOWERED FLAG
- 1F4EE  POSTBOX
= mailbox for sending mail
- 1F4EF  POSTAL HORN
- 1F4F0  NEWSPAPER
- 1F4F1  MOBILE PHONE
- 1F4F2  MOBILE PHONE WITH RIGHTWARDS ARROW AT LEFT
• making a phone call
- 1F4F3  VIBRATION MODE
- 1F4F4  MOBILE PHONE OFF
- 1F4F5  NO MOBILE PHONES
- 1F4F6  ANTENNA WITH BARS
= cellular reception

Audio and video symbols

- 1F4F7  CAMERA
- 1F4F8  CAMERA SIDEWAYS
= point of interest
= w-0181
- 1F4F9  VIDEO CAMERA
- 1F4FA  TELEVISION
- 1F4FB  RADIO
- 1F4FC  VIDEOCASSETTE
- 1F4FD  FILM PROJECTOR
= movies
= w-0184
→ 1F3A6  cinema
- 1F4FE  PORTABLE STEREO
= stereo
= w-0186
- 1F4FF  TELEVISION FLAT CRT
• more modern form
= w-0190
→ 1F4FA  television

User interface symbols

- 1F500  TWISTED RIGHTWARDS ARROWS
= shuffle
- 1F501  CLOCKWISE RIGHTWARDS AND LEFTWARDS OPEN CIRCLE ARROWS
= repeat
→ 267B  black universal recycling symbol
- 1F502  CLOCKWISE RIGHTWARDS AND LEFTWARDS OPEN CIRCLE ARROWS WITH CIRCLED ONE OVERLAY
= repeat one item over

- 1F503  CLOCKWISE DOWNWARDS AND UPWARDS OPEN CIRCLE ARROWS
= reload
- 1F504  ANTICLOCKWISE DOWNWARDS AND UPWARDS OPEN CIRCLE ARROWS
= reload
- 1F505  LOW BRIGHTNESS SYMBOL
- 1F506  HIGH BRIGHTNESS SYMBOL
→ 2600  black sun with rays
→ 263C  white sun with rays
→ 26ED  gear without hub
- 1F507  SPEAKER WITH CANCELLATION STROKE
- 1F508  SPEAKER
- 1F509  SPEAKER WITH ONE SOUND WAVE
- 1F50A  SPEAKER WITH THREE SOUND WAVES
= sound
- 1F50B  BATTERY
- 1F50C  ELECTRIC PLUG
- 1F50D  LEFT-POINTING MAGNIFYING GLASS
= search
- 1F50E  RIGHT-POINTING MAGNIFYING GLASS
= get more details
- 1F50F  LOCK WITH INK PEN
= privacy
- 1F510  CLOSED LOCK WITH KEY
= secure
- 1F511  KEY
→ 26BF  squared key
- 1F512  LOCK
= padlock in locked position
- 1F513  OPEN LOCK
- 1F514  BELL
→ 0FC4  tibetan symbol dril bu
→ 2407  symbol for bell
- 1F515  BELL WITH CANCELLATION STROKE
- 1F516  BOOKMARK
- 1F517  LINK SYMBOL
- 1F518  RADIO BUTTON
→ 2299  circled dot operator
→ 25C9  fisheye
→ 25CE  bullseye






Words with arrows

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

Enclosed alphanumeric symbols

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















User interface input status symbols

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

Tool symbols

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












Geometric shapes


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


User interface symbols



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

Religious symbols


- 1F53E  RIGHT-FACING ARMENIAN ETERNITY SIGN
 1F53F  LEFT-FACING ARMENIAN ETERNITY SIGN
 1F540  CIRCLED CROSS POMMEE
 • Orthodox typikon symbol for great feast service
 1F541  CROSS POMMEE WITH HALF-CIRCLE BELOW
 • Orthodox typikon symbol for vigil service
 1F542  CROSS POMMEE
 • Orthodox typikon symbol for Polyeleos
 → 2722  four teardrop-spoked asterisk
 1F543  NOTCHED LEFT SEMICIRCLE WITH THREE DOTS
 • Orthodox typikon symbol for lower rank feast
 1F544  <reserved>
 1F545  <reserved>
 1F546  WHITE LATIN CROSS
 = cross outline
 = w-1085
 → 271E  shadowed white latin cross



1F547  HEAVY LATIN CROSS
 = w-2134

1F548  CELTIC CROSS
 = w-1087


1F549  OM SIGN
 = w-1092
 • devanagari font type independent
 → 0950  devanagari om

Game symbols

1F54A  JOYSTICK
 = w-0195


1F54B  BLACK GAME CONTROLLER
 = game pad
 = w-0196
 → 1F3AE  video game

Accommodation symbols

1F54C  COUCH AND LAMP
 = furniture, lifestyles
 = w-0226

1F54D  BED IN PERSPECTIVE
 = hotel, guestrooms, accommodation
 = w-0227
 → 1F3E8  hotel

1F54E  BELLHOP BELL
 = reception, services
 = w-0230

1F54F  TWO SHOPPING BAGS
 = shopping
 = w-0231

Clock face symbols

1F550  CLOCK FACE ONE OCLOCK
 → 231A  watch
 → 23F0  alarm clock

1F551  CLOCK FACE TWO OCLOCK

1F552  CLOCK FACE THREE OCLOCK

1F553  CLOCK FACE FOUR OCLOCK

1F554  CLOCK FACE FIVE OCLOCK

1F555  CLOCK FACE SIX OCLOCK

1F556  CLOCK FACE SEVEN OCLOCK

1F557  CLOCK FACE EIGHT OCLOCK

1F558  CLOCK FACE NINE OCLOCK

1F559  CLOCK FACE TEN OCLOCK

1F55A  CLOCK FACE ELEVEN OCLOCK

1F55B  CLOCK FACE TWELVE OCLOCK

1F55C  CLOCK FACE ONE-THIRTY

1F55D  CLOCK FACE TWO-THIRTY

1F55E  CLOCK FACE THREE-THIRTY

1F55F  CLOCK FACE FOUR-THIRTY

1F560  CLOCK FACE FIVE-THIRTY

1F561  CLOCK FACE SIX-THIRTY

1F562  CLOCK FACE SEVEN-THIRTY

1F563  CLOCK FACE EIGHT-THIRTY


1F564  CLOCK FACE NINE-THIRTY




1F565  CLOCK FACE TEN-THIRTY

1F566  CLOCK FACE ELEVEN-THIRTY

1F567  CLOCK FACE TWELVE-THIRTY

Miscellaneous symbols

1F568  SLEUTH OR SPY
 = investigate
 = w-0160

1F569	 MANTELPiece CLOCK = clock = w-0161 → 23F0  alarm clock
1F56A	 BLACK PUSHPIN = marker = w-0235 → 1F4CC  pushpin
1F56B	 RINGING BELL = w-1037 → 1F514  bell
1F56C	 CANDLE = w-1039
1F56D	 BLACK SKULL AND CROSSBONES = skull and crossbones = w-1078 → 2620  skull and crossbones
1F56E	 WAVING WHITE FLAG = flag = w-1079 → 2690  white flag
1F56F	 PENNANT = w-1080 → 1F6A9  triangular flag on post



Animal symbols




























1F570	 SPIDER = w-0033
1F571	 SPIDER WEB = w-0034
1F572	 CHIPMUNK SILHOUETTE = animal, critter = w-0242
1F573	 BIRD SILHOUETTE = bird = w-0243 → 1F426  bird
1F574	 FISH SILHOUETTE = fish = w-0244 → 1F41F  fish
1F575	 DOG SILHOUETTE = dog = w-0245 → 1F415  dog
1F576	 CAT SILHOUETTE = cat = w-0246 → 1F408  cat
1F577	 DOVE OF PEACE = peace = w-0255

Plant symbols





1F578	 ROSETTE = w-1123 → 2740  white florette
1F579	 BLACK ROSETTE = w-1124 → 2741  eight petalled outlined black florette































Communication symbols

1F57A	 BULLHORN = sound off = w-0086 → 1F508  speaker
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1F57B	 BULLHORN WITH SOUND WAVES = sound on = w-0085 → 1F4E3  cheering megaphone → 1F50A  speaker with three sound waves
1F57C	 RIGHT SPEAKER = sound left = w-0087
1F57D	 TELEPHONE RECEIVER LEFT HAND = phone = w-0197 → 1F4DE  telephone receiver
1F57E	 TELEPHONE RECEIVER WITH PAGE = fax = w-0198 → 1F4E0  fax machine
1F57F	 CLAMSHELL MOBILE PHONE = cellular phone = w-0200 → 1F4F1  mobile phone
1F580	 TELEPHONE ON TOP OF MODEM = modem = w-0201
1F581	 BLACK TOUCHTONE TELEPHONE = telephone solid = w-1040 → 260E  black telephone
1F582	 TELEPHONE LOCATION SIGN 1 = circled telephone hand set = w-1041 → 2706  telephone location sign
1F583	 ENVELOPE BACK = w-1042 → 2709  envelope • 2709  shows a seal
1F584	 ENVELOPE FRONT WITH STAMP = mail = w-0155 = w-1043
1F585	 BLACK ENVELOPE WITH WHITE LIGHTNING = e-mail = w-0153 → 1F4E7  e-mail symbol
1F586	 FLYING ENVELOPE = send message = w-0154 → 1F4E9  envelope with downwards arrow above
1F587	 ENVELOPE WITH STAMP AND PEN = write = w-0156
1F588	 WHITE TOUCHTONE TELEPHONE = telephone = w-2039 → 260F  white telephone
1F589	 TELEPHONE RECEIVER RIGHT HAND = telephone handset = w-2040

Hand symbols

1F58A	 LEFT WRITING HAND = w-1064 → 270D  writing hand
1F58B	 TURNED OK HAND SIGN = w-1066 → 1F44C  ok hand sign

1F58C	 WHITE DOWN POINTING INDEX ON LEFT = w-1072 → 261F  white down pointing index → 1F447  white down pointing backhand index
1F58D	 RAISED HAND WITH FINGERS SPLAYED = halt = w-1073 → 270B  raised hand
1F58E	 REVERSED THUMBS UP SIGN = w-2060 → 1F44D  thumbs up sign
1F58F	 REVERSED THUMBS DOWN SIGN = w-2061 → 1F44E  thumbs down sign
1F590	 SIDEWAYS WHITE LEFT POINTING INDEX = w-2062 → 261C  white left pointing index
1F591	 SIDEWAYS WHITE RIGHT POINTING INDEX = w-2063 → 261E  white right pointing index
1F592	 SIDEWAYS BLACK LEFT POINTING INDEX = w-2064
1F593	 SIDEWAYS BLACK RIGHT POINTING INDEX = w-2065
1F594	 BLACK LEFT POINTING BACKHAND INDEX = w-2068 → 1F448  white left pointing backhand index
1F595	 BLACK RIGHT POINTING BACKHAND INDEX = w-2069 → 1F449  white right pointing backhand index
1F596	 SIDEWAYS WHITE UP POINTING INDEX = w-2070 → 261D  white up pointing index
1F597	 SIDEWAYS WHITE DOWN POINTING INDEX = w-2071 → 261F  white down pointing index
1F598	 SIDEWAYS BLACK UP POINTING INDEX = w-2072
1F599	 SIDEWAYS BLACK DOWN POINTING INDEX = w-2073
1F59A	 BLACK UP POINTING BACKHAND INDEX = w-2076 → 1F446  white up pointing backhand index
1F59B	 BLACK DOWN POINTING BACKHAND INDEX = w-2077 → 1F447  white down pointing backhand index
1F59C	 REVERSED RAISED HAND WITH FINGERS SPLAYED = w-2078






Bubble symbols

1F59D	 LEFT SPEECH BUBBLE = w-0040
1F59E	 RIGHT SPEECH BUBBLE = w-0041
1F59F	 MOOD BUBBLE = new = w-0042 → 1F4A5  collision symbol
1F5A0	 LIGHTNING MOOD BUBBLE = updated = w-0043 → 26A1  high voltage sign














1F5A1	 LEFT THOUGHT BUBBLE = w-0091
1F5A2	 RIGHT THOUGHT BUBBLE = w-0093 → 1F4AD  thought balloon
1F5A3	 TWO SPEECH BUBBLES = chat = w-0094
1F5A4	 THREE SPEECH BUBBLES = conference = w-0095
1F5A5	 LEFT ANGER BUBBLE = shout left = w-0123
1F5A6	 RIGHT ANGER BUBBLE = shout right = w-0125
1F5A7	 LIGHTNING MOOD = lightning bolt = w-0126 → 26A1  high voltage sign





















Rating symbols

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












1F5A8	 DAGGER KNIFE = rated for violence = hate = w-0149 → 1F52A  hocho
1F5A9	 LIPS = rated for sex = kiss = w-0150 → 1F48B  kiss mark
1F5AA	 SPEAKING HEAD SILHOUETTE = rated for strong language = w-0151


























Computer symbols

1F5AB	 COMPUTER MONITOR = w-0191 → 1F4BB  personal computer
1F5AC	 DESKTOP COMPUTER = tower computer = w-0192
1F5AD	 KEYBOARD AND MOUSE = w-0193 → 2328  keyboard
1F5AE	 THREE NETWORKED COMPUTERS = computer network = w-0194
1F5AF	 PRINTER = w-0202 → 1F4E0  fax machine
1F5B0	 POCKET CALCULATOR = calculator = w-0203
1F5B1	 BLACK HARD SHELL FLOPPY DISK = disk = w-0205 → 1F4BE  floppy disk
1F5B2	 WHITE HARD SHELL FLOPPY DISK = w-1060 → 1F4BE  floppy disk





1F5B3	 SOFT SHELL FLOPPY DISK = w-1061 → 1F4BE  floppy disk
1F5B4	 TAPE CARTRIDGE = w-2057
1F5B5	 KEYBOARD WITH CORD = keyboard = w-1055 → 2328  keyboard
1F5B6	 ONE BUTTON MOUSE = w-2058
1F5B7	 TWO BUTTON MOUSE = w-1056
1F5B8	 THREE BUTTON MOUSE = w-2059
1F5B9	 TRACKBALL = w-1057 = ballpoint
1F5BA	 COMPUTER = personal computer = w-1058 → 1F4BB  personal computer
1F5BB	 HARD DISK = w-1059
1F5BC	 SCREEN = monitor = w-2053 → 20E2  combining enclosing screen
1F5BD	 PRINTER ICON = w-2054 → 1F5AF  printer
1F5BE	 FAX ICON = w-2055 → 1F4E0  fax machine
1F5BF	 OPTICAL DISC ICON = compact disc = w-2056 → 1F4BF  optical disc




























Office symbols









1F5C0	 DOCUMENT WITH TEXT = w-0157
1F5C1	 DOCUMENT WITH TEXT AND PICTURE = w-0158
1F5C2	 DOCUMENT WITH PICTURE = graphic document = w-0159
1F5C3	 FRAMED PICTURE WITH TILES = frames = w-0162
1F5C4	 FRAME WITH AN X = no frames, no picture = w-0163
1F5C5	 CLIPBOARD SIDEWAY = w-0164 → 1F4CB  clipboard
1F5C6	 CALENDAR EMPTY = note = w-0165 → 1F4C5  calendar
1F5C7	 CALENDAR DAY-1 = calendar = w-0166 → 1F4C6  tear-off calendar

1F5C8	 OPEN BOOK 1 = book = w-0167 → 1F4D6  open book
1F5C9	 BOOKS 1 = reference = w-0168 → 1F4DA  books
1F5CA	 ROLLED-UP NEWSPAPER = news = w-0169 → 1F4F0  newspaper
1F5CB	 INDEX CARD WITH CIRCLED TEXT = classified = w-0170
1F5CC	 CARD FILE BOX = archive = w-0171
1F5CD	 BLACK CARD INDEX = index = w-0172 → 1F4C7  card index
1F5CE	 FRAMED PICTURE = art = w-0173
1F5CF	 INBOX = w-0210 → 1F4E5  inbox tray
1F5D0	 OUTBOX = w-0211 → 1F4E4  outbox tray
1F5D1	 OPEN BOOK 2 = book = w-1038 → 1F4D6  open book
1F5D2	 LOWER LEFT PENCIL = pencil = w-1033 → 270E  lower right pencil
1F5D3	 LOWER LEFT BALLPOINT PEN = ballpoint pen = w-2033 → 270E  lower right pencil
1F5D4	 LOWER LEFT FOUNTAIN PEN = fountain pen = w-2034 → 2711  white nib
1F5D5	 LOWER LEFT PAINTBRUSH = brush = w-2035
1F5D6	 LOWER LEFT CRAYON = crayon = w-2036



User interface symbols

1F5D7	 LINKED PAPERCLIPS = links = w-0039 → 1F4CE  paperclip
1F5D8	 CLOCKWISE RIGHT AND LEFT SEMICIRCLE ARROWS = refresh = w-0113 → 1F503  clockwise downwards and upwards open circle arrows

1F5D9		CANCELLATION-X = close = w-0114 → 274C  cross mark
1F5DA		FOLDER = directory = w-1048 → 1F4C1  file folder
1F5DB		BLACK FOLDER = folder = w-0204
1F5DC		OPEN FOLDER = w-1049 → 1F4C2  open file folder
1F5DD		FILE CABINET = w-1053
1F5DE		EMPTY NOTE = file1 = w-2041
1F5DF		EMPTY NOTE PAGE = file = w-2042
1F5E0		EMPTY NOTEPAD = file3 = w-2043
1F5E1		NOTE = file text1 = w-2044
1F5E2		NOTE PAGE = file text = w-2045
1F5E3		NOTEPAD = file text3 = w-2046
1F5E4		EMPTY DOCUMENT = tall file1 = w-2047
1F5E5		EMPTY PAGE = tall file = w-2048
1F5E6		EMPTY PAGES = tall file3 = w-2049
1F5E7		DOCUMENT = tall file with text 1 = w-1050 → 1F4C4  page facing up
1F5E8		PAGE = tall file with text = w-1051 → 1F4C3  page with curl
1F5E9		PAGES = tall file with text 3 = w-1052
1F5EA		TRASHCAN = wastebasket = w-2051
1F5EB		WINDOW = w-2052
1F5EC		MINIMIZE = w-0048
1F5ED		MAXIMIZE = w-0049
1F5EE		OVERLAP = tile windows = w-0050

1F5EF		FONT SIZE SIGN = w-0062
1F5F0		COMPRESSION = w-0206
1F5F1		LOCKED = w-0207 → 1F512  lock
1F5F2		UNLOCKED = w-0208 → 1F513  open lock
1F5F3		OLD KEY = encryption = w-0209 → 1F511  key



Ballot symbol

1F5F4		BALLOT BOX WITH BALLOT = vote = w-0063 → 2612  ballot box with x
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Map symbol

1F5FA		WORLD MAP = w-0251
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Cultural symbols

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

	1F600	1F610	1F620	1F630	1F640
0					
1					
2					
3					
4					
5					
6					
7					
8					
9					
A					
B					
C					
D					
E					
F					

The emoticons have been organized by mouth shape to make it easier to locate the different characters in the code chart.

Faces

1F600	😊	GRINNING FACE
1F601	😄	GRINNING FACE WITH SMILING EYES
1F602	😂	FACE WITH TEARS OF JOY
1F603	😁	SMILING FACE WITH OPEN MOUTH → 263A 😊 white smiling face
1F604	😆	SMILING FACE WITH OPEN MOUTH AND SMILING EYES
1F605	😓	SMILING FACE WITH OPEN MOUTH AND COLD SWEAT
1F606	😏	SMILING FACE WITH OPEN MOUTH AND TIGHTLY-CLOSED EYES
1F607	😇	SMILING FACE WITH HALO
1F608	😄	SMILING FACE WITH HORNS
1F609	😉	WINKING FACE
1F60A	😊	SMILING FACE WITH SMILING EYES
1F60B	😋	FACE SAVOURING DELICIOUS FOOD
1F60C	😌	RELIEVED FACE
1F60D	😊	SMILING FACE WITH HEART-SHAPED EYES
1F60E	😎	SMILING FACE WITH SUNGLASSES
1F60F	😏	SMIRKING FACE
1F610	😐	NEUTRAL FACE • used for the West Wind in some Mahjong annotation
1F611	😐	EXPRESSIONLESS FACE
1F612	😐	UNAMUSED FACE
1F613	😓	FACE WITH COLD SWEAT
1F614	😐	PENSIVE FACE
1F615	😕	CONFUSED FACE
1F616	😖	CONFOUNDED FACE
1F617	😘	KISSING FACE
1F618	😗	FACE THROWING A KISS
1F619	😙	KISSING FACE WITH SMILING EYES
1F61A	😚	KISSING FACE WITH CLOSED EYES
1F61B	😛	FACE WITH STUCK-OUT TONGUE
1F61C	😜	FACE WITH STUCK-OUT TONGUE AND WINKING EYE • kidding, not serious
1F61D	😝	FACE WITH STUCK-OUT TONGUE AND TIGHTLY-CLOSED EYES • kidding, not serious
1F61E	😞	DISAPPOINTED FACE → 2639 😏 white frowning face
1F61F	😟	WORRIED FACE
1F620	😠	ANGRY FACE
1F621	😡	POUTING FACE
1F622	😢	CRYING FACE
1F623	😣	PERSEVERING FACE
1F624	😤	FACE WITH LOOK OF TRIUMPH
1F625	😥	DISAPPOINTED BUT RELIEVED FACE
1F626	😦	FROWNING FACE WITH OPEN MOUTH
1F627	😧	ANGUISHED FACE
1F628	😨	FEARFUL FACE
1F629	😩	WEARY FACE
1F62A	😪	SLEEPY FACE
1F62B	😫	TIRED FACE
1F62C	😬	GRIMACING FACE
1F62D	😭	LOUDLY CRYING FACE
1F62E	😏	FACE WITH OPEN MOUTH
1F62F	😐	HUSHED FACE






















1F630	😓	FACE WITH OPEN MOUTH AND COLD SWEAT
1F631	😱	FACE SCREAMING IN FEAR
1F632	😲	ASTONISHED FACE
1F633	😳	FLUSHED FACE
1F634	😴	SLEEPING FACE
1F635	😵	DIZZY FACE
1F636	😶	FACE WITHOUT MOUTH • used for the South Wind in some Mahjong annotation → 2687 😊 white circle with two dots
1F637	😷	FACE WITH MEDICAL MASK

Cat faces





1F638	😺	GRINNING CAT FACE WITH SMILING EYES
1F639	😸	CAT FACE WITH TEARS OF JOY
1F63A	😺	SMILING CAT FACE WITH OPEN MOUTH
1F63B	😺	SMILING CAT FACE WITH HEART-SHAPED EYES
1F63C	😺	CAT FACE WITH WRY SMILE
1F63D	😺	KISSING CAT FACE WITH CLOSED EYES
1F63E	😺	POUTING CAT FACE
1F63F	😺	CRYING CAT FACE
1F640	😿	WEARY CAT FACE

Gesture symbols


1F645	🙄	FACE WITH NO GOOD GESTURE
1F646	🙌	FACE WITH OK GESTURE
1F647	🙇	PERSON BOWING DEEPLY
1F648	🙈	SEE-NO-EVIL MONKEY
1F649	🙉	HEAR-NO-EVIL MONKEY
1F64A	🙊	SPEAK-NO-EVIL MONKEY
1F64B	🙋	HAPPY PERSON RAISING ONE HAND
1F64C	🙌	PERSON RAISING BOTH HANDS IN CELEBRATION = banzai!
1F64D	🙍	PERSON FROWNING
1F64E	🙎	PERSON WITH POUTING FACE
1F64F	🙏	PERSON WITH FOLDED HANDS • can indicate sorrow or regret • can indicate pleading

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









Leaf symbols

1F650		LEAF NORTH WEST = w-1209
1F651		LEAF SOUTH WEST = w-1210
1F652		LEAF NORTH EAST = w-1211
1F653		LEAF SOUTH EAST = w-1212









Counterclockwise leaf symbols

1F654		LEAF COUNTERCLOCKWISE NORTH WEST = w-1206
1F655		LEAF COUNTERCLOCKWISE SOUTH WEST = w-2105
1F656		LEAF COUNTERCLOCKWISE NORTH EAST = w-1208
1F657		LEAF COUNTERCLOCKWISE SOUTH EAST = w-1207





Vine Leaf symbols

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






Bud and leaf symbols

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







Quilt squares

1F668		QUILT SQUARE = w-2147
1F669		BLACK QUILT SQUARE = w-2148
1F66A		QUILT SQUARE 2 = w-1203 = fourfold knot ornament
1F66B		BLACK QUILT SQUARE 2 = w-1204 = inverse fourfold knot ornament





Rocket ornaments

1F66C		ROCKET LEFT = w-0247 → 1F680  rocket
1F66D		ROCKET RIGHT = w-0248
1F66E		ROCKET UP = w-0249
1F66F		ROCKET DOWN = w-0250

Ampersands



























































































1F670		ITALIC AMPERSAND = w-1106 = italic ampersand lower case
1F671		MEDIUM HEAVY ITALIC AMPERSAND = w-2089
1F672		SANS-SERIF AMPERSAND = w-2091
1F673		MEDIUM HEAVY SANS-SERIF AMPERSAND = w-2092
1F674		HEAVY AMPERSAND = w-2090
1F675		SWASH AMPERSAND = w-1107 = italic ampersand

Quotation marks

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

Interrobang symbols

1F678		DEMI BOLD INTERROBANG = w-2094
1F679		SANS-SERIF INTERROBANG = w-2095
1F67A		DEMI BOLD SANS-SERIF INTERROBANG = w-2096

	1F68	1F69	1F6A	1F6B	1F6C	1F6D	1F6E	1F6F
0	 1F680	 1F690	 1F6A0	 1F6B0	 1F6C0	 1F6D0	 1F6E0	
1	 1F681	 1F691	 1F6A1	 1F6B1	 1F6C1	 1F6D1	 1F6E1	
2	 1F682	 1F692	 1F6A2	 1F6B2	 1F6C2	 1F6D2	 1F6E2	
3	 1F683	 1F693	 1F6A3	 1F6B3	 1F6C3		 1F6E3	
4	 1F684	 1F694	 1F6A4	 1F6B4	 1F6C4		 1F6E4	
5	 1F685	 1F695	 1F6A5	 1F6B5	 1F6C5		 1F6E5	
6	 1F686	 1F696	 1F6A6	 1F6B6	 1F6C6		 1F6E6	
7	 1F687	 1F697	 1F6A7	 1F6B7	 1F6C7			
8	 1F688	 1F698	 1F6A8	 1F6B8	 1F6C8			
9	 1F689	 1F699	 1F6A9	 1F6B9	 1F6C9			
A	 1F68A	 1F69A	 1F6AA	 1F6BA	 1F6CA			
B	 1F68B	 1F69B	 1F6AB	 1F6BB	 1F6CB			
C	 1F68C	 1F69C	 1F6AC	 1F6BC	 1F6CC			
D	 1F68D	 1F69D	 1F6AD	 1F6BD	 1F6CD			
E	 1F68E	 1F69E	 1F6AE	 1F6BE	 1F6CE			
F	 1F68F	 1F69F	 1F6AF	 1F6BF	 1F6CF			

Vehicles

1F680		ROCKET
1F681		HELICOPTER → 2708 airplane
1F682		STEAM LOCOMOTIVE
1F683		RAILWAY CAR
1F684		HIGH-SPEED TRAIN
1F685		HIGH-SPEED TRAIN WITH BULLET NOSE
1F686		TRAIN = intercity train
1F687		METRO = subway, underground train
1F688		LIGHT RAIL
1F689		STATION = train, subway station
1F68A		TRAM
1F68B		TRAM CAR
1F68C		BUS
1F68D		ONCOMING BUS
1F68E		TROLLEYBUS
1F68F		BUS STOP
1F690		MINIBUS
1F691		AMBULANCE
1F692		FIRE ENGINE
1F693		POLICE CAR
1F694		ONCOMING POLICE CAR
1F695		TAXI
1F696		ONCOMING TAXI
1F697		AUTOMOBILE

1F698 ONCOMING AUTOMOBILE

1F699		RECREATIONAL VEHICLE
1F69A		DELIVERY TRUCK → 26DF black truck
1F69B		ARTICULATED LORRY
1F69C		TRACTOR
1F69D		MONORAIL
1F69E		MOUNTAIN RAILWAY
1F69F		SUSPENSION RAILWAY
1F6A0		MOUNTAIN CABLEWAY
1F6A1		AERIAL TRAMWAY
1F6A2		SHIP → 26F4 ferry
1F6A3		ROWBOAT → 26F5 sailboat
1F6A4		SPEEDBOAT

Traffic signs

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

Signage and other symbols












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

1F6AD NO SMOKING SYMBOL












1F6AE		PUT LITTER IN ITS PLACE SYMBOL
1F6AF		DO NOT LITTER SYMBOL
1F6B0		POTABLE WATER SYMBOL
1F6B1		NON-POTABLE WATER SYMBOL
1F6B2		BICYCLE
1F6B3		NO BICYCLES
1F6B4		BICYCLIST
1F6B5		MOUNTAIN BICYCLIST
1F6B6		PEDESTRIAN = walking
1F6B7		NO PEDESTRIANS
1F6B8		CHILDREN CROSSING
1F6B9		MENS SYMBOL = man symbol = men's restroom
1F6BA		WOMENS SYMBOL = woman symbol = women's restroom
1F6BB		RESTROOM = man and woman symbol with divider = unisex restroom → 1F46B man and woman holding hands
1F6BC		BABY SYMBOL = baby on board, baby changing station
1F6BD		TOILET
1F6BE		WATER CLOSET
1F6BF		SHOWER
1F6C0		BATH
1F6C1		BATHTUB
1F6C2		PASSPORT CONTROL
1F6C3		CUSTOMS
1F6C4		BAGGAGE CLAIM
1F6C5		LEFT LUGGAGE

































































































































Vehicles

1F6C6		SHIP AND OCEAN = ship = cruise line vacation = w-0084 → 1F6A2 ship
1F6C7		RIGHTWARDS BICYCLE = w-0098 → 1F6B2 bicycle
1F6C8		ONCOMING FIRE ENGINE = fire = w-0102 → 1F692 fire engine
1F6C9		BLACK AMBULANCE = medical = w-0104 → 1F691 ambulance
1F6CA		SMALL AIRPLANE = w-0106 → 2708 airplane
1F6CB		MOTOR BOAT SIDEWAYS = boat = w-0111 → 1F6A4 speedboat
1F6CC		ONCOMING POLICE CAR 1 = police = w-0112 • large flashlights → 1F694 oncoming police car

1F6CD		DIESEL LOCOMOTIVE WITH TERRAIN = train = w-0116 → 1F682  steam locomotive → 1F686  train
1F6CE		UNDERGROUND TRAIN = metro = w-0117 → 1F687  metro
1F6CF		ONCOMING BUS WITH SPLIT WINDSHIELD = bus = w-0118 → 1F68D  oncoming bus
1F6D0		AIRPLANE SYMBOL = airplane = w-1081 • does not show engines → 2708  airplane
1F6D1		AIRPLANE RISING = airplane = w-0241
1F6D2		SATELLITE = w-0107

Signages and other symbols

1F6E0		WOMENS WITH MID LENGTH SKIRT SYMBOL = woman = w-0129 → 1F6BA  womens symbol
1F6E1		BOYS SYMBOL = boy = w-0130
1F6E2		GIRLS SYMBOL = girl = w-0131
1F6E3		SWADDLED BABY SYMBOL = baby = w-0132 → 1F6BC  baby symbol
1F6E4		WHEELCHAIR SYMBOL WITH HANDS ON WHEEL = handicap = w-0233 → 267F  wheelchair symbol
1F6E5		TRIANGLE WITH ROUNDED CORNERS = caution = w-0234 → 25B3  white up-pointing triangle
1F6E6		CIRCLED INFORMATION SOURCE = information = w-0105

	1F78	1F79	1F7A	1F7B	1F7C	1F7D	1F7E	1F7F
0	 1F780	 1F790	 1F7A0	 1F7B0	 1F7C0	 1F7D0	 1F7E0	 1F7F0
1	 1F781	 1F791	 1F7A1	 1F7B1	 1F7C1	 1F7D1	 1F7E1	
2	 1F782		 1F7A2		 1F7C2	 1F7D2		
3	 1F783	 1F793	 1F7A3	 1F7B3	 1F7C3	 1F7D3	 1F7E3	
4			 1F7A4		 1F7C4	 1F7D4		
5		 1F795	 1F7A5		 1F7C5	 1F7D5		
6	 1F786		 1F7A6		 1F7C6	 1F7D6	 1F7E6	
7		 1F797	 1F7A7	 1F7B7	 1F7C7	 1F7D7	 1F7E7	
8				 1F7B8	 1F7C8	 1F7D8	 1F7E8	
9			 1F7A9	 1F7B9	 1F7C9	 1F7D9	 1F7E9	
A				 1F7BA	 1F7CA	 1F7DA	 1F7EA	
B				 1F7BB	 1F7CB	 1F7DB	 1F7EB	
C				 1F7BC	 1F7CC	 1F7DC	 1F7EC	
D	 1F78D	 1F79D	 1F7AD	 1F7BD	 1F7CD	 1F7DD	 1F7ED	
E	 1F78E	 1F79E	 1F7AE	 1F7BE	 1F7CE	 1F7DE		
F	 1F78F	 1F79F	 1F7AF		 1F7CF	 1F7DF	 1F7EF	

These geometric shapes are originated from the *Webdings/Wingdings* collections. Many of these geometric shapes have been unified with characters from other blocks. They are presented as cross references in the empty cells.

45-45-90 triangles

1F780 ◀ BLACK LEFT-POINTING 45 TRIANGLE
= w-3124

1F781 ▶ BLACK RIGHT-POINTING 45 TRIANGLE
= w-3125

1F782 ▲ BLACK UP-POINTING 45 TRIANGLE
= w-3126

1F783 ▼ BLACK DOWN-POINTING 45 TRIANGLE
= w-3128

Black circles

1F784 ◻ <reserved>
= black circle 1
= black tiny circle
→ 22C5 • dot operator
= w-2149

1F785 ◻ <reserved>
= black very small circle
= black circle 2
= w-1158
→ 2219 • bullet operator

1F786 ◻ BLACK SLIGHTLY SMALL CIRCLE
= black circle 3
= w-2150

1F787 ◻ <reserved>
= black small circle
= black circle 4
= w-1159
→ 2022 • bullet

1F788 ◻ <reserved>
= black medium small circle
= black circle 5
→ 2981 • z notation spot
= w-2151

1F789 ◻ <reserved>
= black medium circle
= black circle 6
= w-1108
→ 26AB • medium black circle

1F78A ◻ <reserved>
= black circle 7
= w-2152
→ 25CF ● black circle

Rings

1F78B ◻ <reserved>
= ring 1
= w-2153
→ 25CB ○ white circle

1F78C ◻ <reserved>
= ring 2
= w-1161
→ 2B58 ○ heavy circle

1F78D ○ RING 3
= w-2154

1F78E ○ RING 4
= w-1162
= very heavy circle

1F78F ○ RING 5
= w-2155

1F790 ○ RING 6
= w-1163
= extremely heavy circle

1F791 ○ RING 7
= w-2156

Ring buttons

1F792 ◻ <reserved>
= ring button 1
= w-2157
→ 2299 ○ circled dot operator

1F793 ○ RING BUTTON 2
= w-1164

1F794 ◻ <reserved>
= ring button 3
= w-2158
→ 29BF ● circled bullet

Black squares

1F795 ◻ BLACK TINY SQUARE
= black square 1
= w-2159

1F796 ◻ <reserved>
= black square 2
= w-1160
→ 2B1D • black very small square

1F797 ◻ BLACK SLIGHTLY SMALL SQUARE
= black square 3
= w-2160

1F798 ◻ <reserved>
= black square 4
= w-1167
→ 25AA ◻ black small square

1F799 ◻ <reserved>
= black square 5
→ 25FE ◻ black medium small square
= w-2161

1F79A ◻ <reserved>
= black square 6
→ 25FC ◻ black medium square
= w-1110

1F79B ◻ <reserved>
= black square 7
= w-2162
→ 25A0 ◻ black square

Boxes

1F79C ◻ <reserved>
= box 1
= w-2163
→ 25A1 ◻ white square

1F79D ◻ BOX 2
= w-1168

1F79E ◻ BOX 3
= w-1111


1F79F ◻ BOX 4
= w-1112
= heavy white square


1F7A0 ◻ BOX 5
= w-2164


1F7A1 ◻ BOX 6
= w-2165

1F7A2 ◻ BOX 7
= w-2166

Box buttons


1F7A3  BOX BUTTON 1
= w-2167



1F7A4  BOX BUTTON 2
= w-2168


1F7A5  BOX BUTTON 3
= w-2169



Diamonds

1F7A6  BLACK TINY DIAMOND
= black diamond 1
= w-2171

1F7A7  BLACK VERY SMALL DIAMOND
= black diamond 2
= w-2172


1F7A8  <reserved>
= black diamond 3
→ 2B29  black small diamond
= w-2173


1F7A9  BLACK MEDIUM SMALL DIAMOND
= black diamond 4
= w-1119


1F7AA  <reserved>
= black diamond 5
→ 2B25  black medium diamond
= w-2174

1F7AB  <reserved>
= black diamond 6
= w-1117
→ 25C6  black diamond


Diamond buttons


1F7AD  DIAMOND BUTTON 1
= w-2176



1F7AE  DIAMOND BUTTON 2
= w-2177


1F7AF  DIAMOND BUTTON 3
= w-2178



Lozenges

1F7B0  BLACK TINY LOZENGE
= black lozenge 1
= w-2180

1F7B1  BLACK VERY SMALL LOZENGE
= black lozenge 2
= w-2181

1F7B2  <reserved>
= black lozenge 3
→ 2B2A  black small lozenge
= w-2182


1F7B3  BLACK MEDIUM SMALL LOZENGE
= black lozenge 4
= w-1115

1F7B4  <reserved>
= black lozenge 5
= w-2183
→ 2B27  black medium lozenge


1F7B5  <reserved>
= black lozenge 6
= w-1116
→ 29EB  black lozenge


1F7B6  <reserved>
= white lozenge
→ 25CA  lozenge
= w-2184


Lozenge button


1F7B7  LOZENGE BUTTON
= w-2185


Crosses


1F7B8  CROSS 1
= w-2198


1F7B9  CROSS 2
= w-2199

1F7BA  CROSS 3
= w-2200


1F7BB  CROSS 4
= w-2201


1F7BC  CROSS 5
= w-2202


1F7BD  CROSS 6
= w-2203


1F7BE  CROSS 7
= w-2204


X Forms


1F7C0  X FORM 1
= w-2205


1F7C1  X FORM 2
= w-2206

1F7C2  X FORM 3
= w-2207


1F7C3  X FORM 4
= w-2208


1F7C4  X FORM 5
= w-2209


1F7C5  X FORM 6
= w-2210


1F7C6  X FORM 7
= w-2211


Five spoked asterisks


1F7C7  FIVE SPOKED ASTERISK 1
= w-2212

1F7C8  FIVE SPOKED ASTERISK 2
= w-2213


1F7C9  FIVE SPOKED ASTERISK 3
= w-2214


1F7CA  FIVE SPOKED ASTERISK 4
= w-2215


1F7CB  FIVE SPOKED ASTERISK 5
= w-2216


1F7CC  FIVE SPOKED ASTERISK 6
= w-2217


Six spoked asterisks


1F7CD  SIX SPOKED ASTERISK 1
= w-2218

1F7CE  SIX SPOKED ASTERISK 2
= w-2219


1F7CF  SIX SPOKED ASTERISK 3
= w-2220

1F7D0  SIX SPOKED ASTERISK 4
= w-2221

1F7D1  SIX SPOKED ASTERISK 5
= w-2222

1F7D2  SIX SPOKED ASTERISK 6
= w-2223

Eight spoked asterisks

1F7D3  EIGHT SPOKED ASTERISK 1
= w-2224

1F7D4 ✱ EIGHT SPOKED ASTERISK 2
= w-2225

1F7D5 ✱ EIGHT SPOKED ASTERISK 3
= w-2226

1F7D6 ✱ EIGHT SPOKED ASTERISK 4
= w-2227

1F7D7 ✱ EIGHT SPOKED ASTERISK 5
= w-2228

Three pointed stars

1F7D8 ▲ THREE POINTED BLACK STAR 1
= w-2229

1F7D9 ▲ THREE POINTED BLACK STAR 2
= w-1169

1F7DA ▲ THREE POINTED BLACK STAR 3
= w-2230

1F7DB ▲ THREE POINTED PINWHEEL STAR
= w-2241

Four pointed stars

1F7DC ✦ FOUR POINTED BLACK STAR 1
= w-2231

1F7DD ✦ FOUR POINTED BLACK STAR 2
= w-1170


1F7DE ✦ FOUR POINTED BLACK STAR 3
= w-2232
• 2726 ✦ black four pointed star is a cusp
→ 2726 ✦ black four pointed star

1F7DF ✦ FOUR POINTED PINWHEEL STAR
= w-2242


1F7E0 ✦ REVERSE FOUR POINTED PINWHEEL STAR
= w-0108
= navigate

Five pointed stars


1F7E1 ★ FIVE POINTED BLACK STAR 1
= w-2233

1F7E2  <reserved>
= five pointed black star
= five pointed black star 2
= w-1171
→ 2605 ★ black star

1F7E3 ★ FIVE POINTED BLACK STAR 3
= w-2234

1F7E4  <reserved>
= w-2243
→ 272F ★ pinwheel star

Six pointed stars

1F7E5  <reserved>
= six pointed black star 1
= w-2235
→ 2736 ✱ six pointed black star

1F7E6 ✱ SIX POINTED BLACK STAR 2
= w-1172

1F7E7 ✱ SIX POINTED BLACK STAR 3
= w-2236

1F7E8 ✱ SIX POINTED PINWHEEL STAR
= W-2244

Eight pointed stars

1F7E9 ✱ EIGHT POINTED BLACK STAR 1
= w-2237

1F7EA ✱ EIGHT POINTED BLACK STAR 2
= w-1173
→ 2738 ✱ heavy eight pointed rectilinear black star

1F7EB ✱ EIGHT POINTED BLACK STAR 3
= w-2238

1F7EC ✱ EIGHT POINTED PINWHEEL STAR 2
= w-1175
→ 2735 ✱ eight pointed pinwheel star











Twelve pointed stars

1F7ED ✱ TWELVE POINTED BLACK STAR 1
= w-2239

1F7EE  <reserved>
= twelve pointed black star 2
= w-2240
→ 2739 ✱ twelve pointed black star

1F7EF ✱ TWELVE POINTED BLACK STAR 3
= w-1174

1F7F0 ✱ TWELVE POINTED PINWHEEL STAR
= w-2245

	1F80	1F81	1F82	1F83	1F84	1F85	1F86	1F87	1F88	1F89	1F8A	1F8B	1F8C	1F8D	1F8E	1F8F
0	 1F800	 1F810	 1F820	 1F830	 1F840	 1F850	 1F860	 1F870								
1	 1F801	 1F811	 1F821	 1F831	 1F841	 1F851	 1F861	 1F871								
2	 1F802	 1F812	 1F822		 1F842	 1F852	 1F862	 1F872								
3	 1F803	 1F813	 1F823		 1F843	 1F853	 1F863	 1F873								
4	 1F804	 1F814	 1F824	 1F834	 1F844	 1F854	 1F864	 1F874								
5	 1F805	 1F815	 1F825	 1F835	 1F845	 1F855	 1F865	 1F875								
6	 1F806		 1F826		 1F846	 1F856	 1F866	 1F876								
7	 1F807		 1F827		 1F847	 1F857	 1F867	 1F877								
8	 1F808	 1F818	 1F828	 1F838	 1F848	 1F858	 1F868	 1F878								
9	 1F809	 1F819	 1F829	 1F839	 1F849	 1F859	 1F869	 1F879								
A	 1F80A	 1F81A			 1F84A	 1F85A	 1F86A	 1F87A								
B	 1F80B	 1F81B			 1F84B	 1F85B	 1F86B	 1F87B								
C	 1F80C	 1F81C	 1F82C	 1F83C	 1F84C	 1F85C	 1F86C	 1F87C								
D	 1F80D	 1F81D	 1F82D	 1F83D	 1F84D	 1F85D	 1F86D	 1F87D								
E	 1F80E	 1F81E			 1F84E	 1F85E	 1F86E									
F	 1F80F	 1F81F			 1F84F	 1F85F	 1F86F									

Simple arrows are organized by style using a two alphanumerical code, the first character being a letter A-Z representing the head style followed by a digit representing the thickness of the arrow.

Simple arrows A1

1F800	←	LEFTWARDS ARROW A1	= w-3153
1F801	→	RIGHTWARDS ARROW A1	= w-3154
1F802	↑	UPWARDS ARROW A1	= w-3155
1F803	↓	DOWNWARDS ARROW A1	= w-3156 Simple arrows A2 are encoded in the Miscellaneous Symbols and Arrows block 2B00-2BFF

Simple arrows A3

1F804	←	LEFTWARDS ARROW A3	= w-3157
1F805	→	RIGHTWARDS ARROW A3	= w-3158
1F806	↑	UPWARDS ARROW A3	= w-3159
1F807	↓	DOWNWARDS ARROW A3	= w-3160

Simple arrows A4

1F808	←	LEFTWARDS ARROW A4	= w-3161
1F809	→	RIGHTWARDS ARROW A4	= w-3162
1F80A	↑	UPWARDS ARROW A4	= w-3163
1F80B	↓	DOWNWARDS ARROW A4	= w-3164

Simple arrows B2

1F80C	←	LEFTWARDS ARROW B2	= w-3102 → 2190 ← leftwards arrow
1F80D	→	RIGHTWARDS ARROW B2	= w-3103 → 2192 → rightwards arrow
1F80E	↑	UPWARDS ARROW B2	= w-3104 → 2191 ↑ upwards arrow
1F80F	↓	DOWNWARDS ARROW B2	= w-3105 → 2193 ↓ downwards arrow
1F810	↖	NORTH WEST ARROW B2	= w-3106 → 2196 ↖ north west arrow
1F811	↗	NORTH EAST ARROW B2	= w-3107 → 2197 ↗ north east arrow
1F812	↙	SOUTH WEST ARROW B2	= w-3108 → 2199 ↙ south west arrow
1F813	↘	SOUTH EAST ARROW B2	= w-3109 → 2198 ↘ south east arrow
1F814	↔	LEFT RIGHT ARROW B2	= w-3110 → 2194 ↔ left right arrow

1F815	↕	UP DOWN ARROW B2	= w-3111 → 2195 ↓ up down arrow
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Simple arrows C1

1F818	←	LEFTWARDS ARROW C1	= w-3137
1F819	→	RIGHTWARDS ARROW C1	= w-3138
1F81A	↑	UPWARDS ARROW C1	= w-3139
1F81B	↓	DOWNWARDS ARROW C1	= w-3140

Simple arrows C2

1F81C	←	LEFTWARDS ARROW C2	= w-3141
1F81D	→	RIGHTWARDS ARROW C2	= w-3142
1F81E	↑	UPWARDS ARROW C2	= w-3143
1F81F	↓	DOWNWARDS ARROW C2	= w-3144

Simple arrows C3

1F820	←	LEFTWARDS ARROW C3	= w-3145
1F821	→	RIGHTWARDS ARROW C3	= w-3146
1F822	↑	UPWARDS ARROW C3	= w-3147
1F823	↓	DOWNWARDS ARROW C3	= w-3148

Simple arrows C4

1F824	←	LEFTWARDS ARROW C4	= w-3149
1F825	➔	RIGHTWARDS ARROW C4	= w-3150
1F826	⤴	UPWARDS ARROW C4	= w-3151
1F827	⤵	DOWNWARDS ARROW C4	= w-3152

Simple arrows D1

1F828	←	LEFTWARDS ARROW D1	= w-3165
1F829	→	RIGHTWARDS ARROW D1	= w-3166

Simple arrows E3

1F82C	←	LEFTWARDS ARROW E3	= w-3167
1F82D	→	RIGHTWARDS ARROW E3	= w-3168


Simple arrows F4


1F830	←	LEFTWARDS ARROW F4	= w-3169
1F831	→	RIGHTWARDS ARROW F4	= w-3170


Simple arrows G5


1F834	←	LEFTWARDS ARROW G5	= w-3171
1F835	➔	RIGHTWARDS ARROW G5	= w-3176


Simple arrows H61F838 ← LEFTWARDS ARROW H6
= w-31771F839 → RIGHTWARDS ARROW H6
= w-3178**Simple arrows I8**1F83C ← LEFTWARDS ARROW I8
= w-31791F83D → RIGHTWARDS ARROW I8
= w-3180**Simple arrows J6**1F840 ↖ LEFTWARDS ARROW J6
= w-31811F841 ↗ RIGHTWARDS ARROW J6
= w-31821F842 ↕ UPWARDS ARROW J6
= w-31831F843 ↘ DOWNWARDS ARROW J6
= w-3184**Simple arrows L7**1F844 ↖ LEFTWARDS ARROW L7
= w-31891F845 ↗ RIGHTWARDS ARROW L7
= w-31901F846 ↕ UPWARDS ARROW L7
= w-31911F847 ↘ DOWNWARDS ARROW L7
= w-3192**Simple arrows M9**1F848 ↖ LEFTWARDS ARROW M9
= w-31931F849 ↗ RIGHTWARDS ARROW M9
= w-3194
→ 27A7 ↗ squat black rightwards arrow1F84A ↕ UPWARDS ARROW M9
= w-31951F84B ↘ DOWNWARDS ARROW M9
= w-3196**Simple arrows N7**1F84C ← LEFTWARDS ARROW N7
= w-31971F84D → RIGHTWARDS ARROW N7
= w-31981F84E ↕ UPWARDS ARROW N7
= w-31991F84F ↘ DOWNWARDS ARROW N7
= w-3200**Wide-headed arrows 1**1F850 ← WIDE-HEADED LEFTWARDS ARROW 1
= w-32091F851 → WIDE-HEADED RIGHTWARDS ARROW 1
= w-32101F852 ↑ WIDE-HEADED UPWARDS ARROW 1
= w-32111F853 ↓ WIDE-HEADED DOWNWARDS ARROW 1
= w-32121F854 ↖ WIDE-HEADED NORTH WEST ARROW 1
= w-32131F855 ↗ WIDE-HEADED NORTH EAST ARROW 1
= w-32141F856 ↙ WIDE-HEADED SOUTH WEST ARROW 1
= w-32151F857 ↘ WIDE-HEADED SOUTH EAST ARROW 1
= w-3216**Wide-headed arrows 2**1F858 ← WIDE-HEADED LEFTWARDS ARROW 2
= w-12231F859 → WIDE-HEADED RIGHTWARDS ARROW 2
= w-12241F85A ↑ WIDE-HEADED UPWARDS ARROW 2
= w-12251F85B ↓ WIDE-HEADED DOWNWARDS ARROW 2
= w-12261F85C ↖ WIDE-HEADED NORTH WEST ARROW 2
= w-12271F85D ↗ WIDE-HEADED NORTH EAST ARROW 2
= w-12281F85E ↙ WIDE-HEADED SOUTH WEST ARROW 2
= w-12291F85F ↘ WIDE-HEADED SOUTH EAST ARROW 2
= w-1230**Wide-headed arrows 3**1F860 ← WIDE-HEADED LEFTWARDS ARROW 3
= w-32171F861 → WIDE-HEADED RIGHTWARDS ARROW 3
= w-3218
→ 2794 → heavy wide-headed rightwards arrow1F862 ↑ WIDE-HEADED UPWARDS ARROW 3
= w-32191F863 ↓ WIDE-HEADED DOWNWARDS ARROW 3
= w-32201F864 ↖ WIDE-HEADED NORTH WEST ARROW 3
= w-32211F865 ↗ WIDE-HEADED NORTH EAST ARROW 3
= w-32221F866 ↙ WIDE-HEADED SOUTH WEST ARROW 3
= w-32231F867 ↘ WIDE-HEADED SOUTH EAST ARROW 3
= w-3224**Wide-headed arrows 4**1F868 ← WIDE-HEADED LEFTWARDS ARROW 4
= w-12311F869 → WIDE-HEADED RIGHTWARDS ARROW 4
= w-12321F86A ↑ WIDE-HEADED UPWARDS ARROW 4
= w-12331F86B ↓ WIDE-HEADED DOWNWARDS ARROW 4
= w-12341F86C ↖ WIDE-HEADED NORTH WEST ARROW 4
= w-12351F86D ↗ WIDE-HEADED NORTH EAST ARROW 4
= w-12361F86E ↙ WIDE-HEADED SOUTH WEST ARROW 4
= w-12371F86F ↘ WIDE-HEADED SOUTH EAST ARROW 4
= w-1238**Wide-headed arrows 5**1F870 ← WIDE-HEADED LEFTWARDS ARROW 5
= w-32251F871 → WIDE-HEADED RIGHTWARDS ARROW 5
= w-32261F872 ↑ WIDE-HEADED UPWARDS ARROW 5
= w-3227

1F873  WIDE-HEADED DOWNWARDS ARROW 5
= w-3228

1F874  WIDE-HEADED NORTH WEST ARROW 5
= w-3229


1F875  WIDE-HEADED NORTH EAST ARROW 5
= w-3230


1F876  WIDE-HEADED SOUTH WEST ARROW 5
= w-3231

1F877  WIDE-HEADED SOUTH EAST ARROW 5
= w-3232

Arrow elements for white arrows


Vertical alignment and thickness compatible with white arrows


1F878  ARROW ELEMENT FOR WHITE ARROW WIDE
= w-1249


1F879  ARROW ELEMENT FOR WHITE ARROW
NARROW
= w-1250


Arrow elements for arrow G5

Vertical alignment and thickness compatible with arrows G5

1F87A  ARROW ELEMENT G5 ONE
= w-3172

1F87B  ARROW ELEMENT G5 TWO THIRD
= w-3173

1F87C  ARROW ELEMENT G5 HALF
= w-3174

1F87D  ARROW ELEMENT G5 ONE THIRD
= w-3175