Spacing Modifier Letters
Range: 02B0–02FF

This file contains an excerpt from the character code tables and list of character names for
The Unicode Standard, Version 15.0

This file may be changed at any time without notice to reflect errata or other updates to the Unicode Standard.
See https://www.unicode.org/errata/ for an up-to-date list of errata.

See https://www.unicode.org/charts/ for access to a complete list of the latest character code charts.
See https://www.unicode.org/charts/PDF/Unicode-15.0/ for charts showing only the characters added in Unicode 15.0.
See https://www.unicode.org/Public/15.0.0/charts/ for a complete archived file of character code charts for Unicode 15.0.
See https://www.unicode.org/charts/About.html#Conventions for conventions used in these code charts, and other
general information.

Disclaimer
These charts are provided as the online reference to the character contents of the Unicode Standard, Version 15.0 but do
not provide all the information needed to fully support individual scripts using the Unicode Standard. For a complete
understanding of the use of the characters contained in this file, please consult the appropriate sections of The Unicode
Standard, Version 15.0, online at https://www.unicode.org/versions/Unicode15.0.0/, as well as Unicode Standard Annexes
#9, #11, #14, #24, #29, #31, #34, #38, #41, #42, #44, #45, and #50, the other Unicode Technical Reports and Standards,
and the Unicode Character Database, which are available online.

See https://www.unicode.org/ucd/ and https://www.unicode.org/reports/

A thorough understanding of the information contained in these additional sources is required for a successful
implementation.

Copying characters from the character code tables or list of character names is not recommended, because for
production reasons the PDF files for the code charts cannot guarantee that the correct character codes will always be
copied.

Fonts
The shapes of the reference glyphs used in these code charts are not prescriptive. Considerable variation is to be
expected in actual fonts. The particular fonts used in these charts were provided to the Unicode Consortium by a number
of different font designers, who own the rights to the fonts.

See https://www.unicode.org/charts/fonts.html for a list.

Terms of Use
You may freely use these code charts for personal or internal business uses only. You may not incorporate them either
wholly or in part into any product or publication, or otherwise distribute them without express written permission from
the Unicode Consortium. However, you may provide links to these charts.

The fonts and font data used in production of these code charts may NOT be extracted, or used in any other way in any
product or publication, without permission or license granted by the typeface owner(s).

The Unicode Consortium is not liable for errors or omissions in this file or the standard itself. Information on characters
added to the Unicode Standard since the publication of the most recent version of the Unicode Standard, as well as on
characters currently being considered for addition to the Unicode Standard can be found on the Unicode web site.

See https://www.unicode.org/pending/pending.html and https://www.unicode.org/alloc/Pipeline.html.

Copyright © 1991-2022 Unicode, Inc. All rights reserved.
<table>
<thead>
<tr>
<th>02B0</th>
<th>02C0</th>
<th>02D0</th>
<th>02E0</th>
<th>02F0</th>
</tr>
</thead>
<tbody>
<tr>
<td>h</td>
<td>?</td>
<td>:</td>
<td>γ</td>
<td>^</td>
</tr>
<tr>
<td>02B1</td>
<td>02C1</td>
<td>02D1</td>
<td>02E1</td>
<td>02F1</td>
</tr>
<tr>
<td>ḥ</td>
<td>㎝</td>
<td>㎏</td>
<td>￥</td>
<td>&lt;</td>
</tr>
<tr>
<td>02B2</td>
<td>02C2</td>
<td>02D2</td>
<td>02E2</td>
<td>02F2</td>
</tr>
<tr>
<td>j</td>
<td>&lt;</td>
<td>s</td>
<td>&gt;</td>
<td></td>
</tr>
<tr>
<td>02B3</td>
<td>02C3</td>
<td>02D3</td>
<td>02E3</td>
<td>02F3</td>
</tr>
<tr>
<td>r</td>
<td>&gt;</td>
<td>c</td>
<td>x</td>
<td>o</td>
</tr>
<tr>
<td>02B4</td>
<td>02C4</td>
<td>02D4</td>
<td>02E4</td>
<td>02F4</td>
</tr>
<tr>
<td>j</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>02B5</td>
<td>02C5</td>
<td>02D5</td>
<td>02E5</td>
<td>02F5</td>
</tr>
<tr>
<td>k</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>02B6</td>
<td>02C6</td>
<td>02D6</td>
<td>02E6</td>
<td>02F6</td>
</tr>
<tr>
<td>w</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>02B7</td>
<td>02C7</td>
<td>02D7</td>
<td>02E7</td>
<td>02F7</td>
</tr>
<tr>
<td>y</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>02B8</td>
<td>02C8</td>
<td>02D8</td>
<td>02E8</td>
<td>02F8</td>
</tr>
<tr>
<td>/</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>02B9</td>
<td>02C9</td>
<td>02D9</td>
<td>02E9</td>
<td>02F9</td>
</tr>
<tr>
<td>&quot;</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>02BA</td>
<td>02CA</td>
<td>02DA</td>
<td>02EA</td>
<td>02FA</td>
</tr>
<tr>
<td>‘</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>02BB</td>
<td>02CB</td>
<td>02DB</td>
<td>02EB</td>
<td>02FB</td>
</tr>
<tr>
<td>,</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>02BC</td>
<td>02CC</td>
<td>02DC</td>
<td>02EC</td>
<td>02FC</td>
</tr>
<tr>
<td>)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>02BD</td>
<td>02CD</td>
<td>02DD</td>
<td>02ED</td>
<td>02FD</td>
</tr>
<tr>
<td>）</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>02BE</td>
<td>02CE</td>
<td>02DE</td>
<td>02EE</td>
<td>02FE</td>
</tr>
<tr>
<td>？</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>02BF</td>
<td>02CF</td>
<td>02DF</td>
<td>02EF</td>
<td>02FF</td>
</tr>
</tbody>
</table>
### Latin superscript modifier letters

*See also superscript Latin letters in the Phonetic Extensions block starting at 1D00.*

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>02BB</td>
<td>MODIFIER LETTER TURNED COMMA</td>
</tr>
<tr>
<td>02BD</td>
<td>MODIFIER LETTER REVERSED COMMA</td>
</tr>
<tr>
<td>02BE</td>
<td>MODIFIER LETTER RIGHT HALF RING</td>
</tr>
<tr>
<td>02BF</td>
<td>MODIFIER LETTER LEFT HALF RING</td>
</tr>
<tr>
<td>02C0</td>
<td>MODIFIER LETTER GLOTTAL STOP</td>
</tr>
<tr>
<td>02C1</td>
<td>MODIFIER LETTER REVERSED GLOTTAL STOP</td>
</tr>
<tr>
<td>02C2</td>
<td>MODIFIER LETTER LEFT ARROWHEAD</td>
</tr>
<tr>
<td>02C3</td>
<td>MODIFIER LETTER RIGHT ARROWHEAD</td>
</tr>
<tr>
<td>02C4</td>
<td>MODIFIER LETTER UP ARROWHEAD</td>
</tr>
<tr>
<td>02C5</td>
<td>MODIFIER LETTER DOWN ARROWHEAD</td>
</tr>
</tbody>
</table>

**0280**

**h** MODIFIER LETTER SMALL H
- aspiration
- * (punctuation apostrophe)

**0281**

**b** MODIFIER LETTER SMALL H WITH HOOK
- breathy voiced, murmured
- \( 0266 \) latin letter small h with hook
- \( 0324 \) combining diaeresis below
- \( \approx \ < \text{super} > 0068 \) b

**0282**

**j** MODIFIER LETTER SMALL J
- palatalization
- \( 0321 \) combining palatalized hook below
- \( \approx \ < \text{super} > 006A \) j

**0283**

**r** MODIFIER LETTER SMALL R
- \( \approx \ < \text{super} > 0072 \) r

**0284**

**j** MODIFIER LETTER SMALL TURNED R
- \( \approx \ < \text{super} > 0279 \) j

**0285**

**j** MODIFIER LETTER SMALL TURNED R WITH HOOK
- \( \approx \ < \text{super} > 0279 \) j

**0286**

**w** MODIFIER LETTER SMALL CAPITAL INVERTED R
- preceding four used for r-coloring or r-offglides
- \( \approx \ < \text{super} > 0281 \) w

**0287**

**w** MODIFIER LETTER SMALL W
- labialization
- \( \approx \ < \text{super} > 0077 \) w

**0288**

**j** MODIFIER LETTER SMALL Y
- palatalization
- \( \approx \ < \text{super} > 0079 \) j

**Miscellaneous phonetic modifiers**

**0289**

**h** MODIFIER LETTER PRIME
- stress, emphasis
- transliteration of mjagkij znak (Cyrillic soft sign: palatalization)
- transliteration of Hebrew gershe
- \( 0227 \) apostrophe
- \( \approx \ 0084 \) \( \acute \) acute accent
- \( 02CA \) modifier letter acute accent
- \( 0301 \) \( \acute \) combining acute accent
- \( 0374 \) \( \acute \) greek numeral sign
- \( 05F3 \) \( \acute \) hebrew punctuation gershe
- \( 2032 \) prime

**028A**

**h** MODIFIER LETTER DOUBLE PRIME
- exaggerated stress, contrastive stress
- transliteration of tverdyj znak (Cyrillic hard sign: no palatalization)
- \( 0022 \) \( \acute \) quotation mark
- \( 0308 \) \( \acute \) combining double acute accent
- \( 2033 \) \( \acute \) double prime
Spacing Modifier Letters

MODIFIER LETTER CIRCUMFLEX ACCENT
- rising-falling tone, falling tone, secondary stress, etc.
  → 005E ˚ circumflex accent
  → 0322 ṭ combining circumflex accent

CARON
= hacek
- falling-rising tone
- Mandarin Chinese third tone
  → 030C unsupported combining caron

MODIFIER LETTER VERTICAL LINE
- primary stress, downstep
- precedes letter or syllable modified
  → 0227 ˒ apostrophe
  → 030D ˒ combining vertical line above

MODIFIER LETTER MACRON
- high level tone
- precedes or follows letter or syllable modified
- Mandarin Chinese first tone
  → 00AF ˘ macron
  → 0304 ˘ combining macron

MODIFIER LETTER ACUTE ACCENT
- high-rising tone (IPA), high tone, primary stress
- Mandarin Chinese second tone
  → 00B4 ʼ acute accent
  → 02B9 ʼ modifier letter prime
  → 0301 ʼ combining acute accent
  → 0374 ʼ greek numeral sign
  → 055B ˘ armenian emphasis mark

MODIFIER LETTER GRAVE ACCENT
- high-falling tone (IPA), low tone, secondary or tertiary stress
- Mandarin Chinese fourth tone
  → 0060 ˘ grave accent
  → 0300 ˘ combining grave accent
  → 055D ˘ armenian comma

MODIFIER LETTER LOW VERTICAL LINE
- secondary stress
- precedes letter or syllable modified
  → 0329 ˘ combining vertical line below

MODIFIER LETTER MACRON
- low level tone
  → 005F ˘ low line
  → 0331 ˘ combining macron below

MODIFIER LETTER LOW GRAVE ACCENT
- low-falling tone

MODIFIER LETTER LOW ACUTE ACCENT
- low-rising tone
  → 0375 ˘ greek lower numeral sign

MODIFIER LETTER TRIANGULAR COLON
- length mark
  → 003A ː colon

MODIFIER LETTER HALF TRIANGULAR COLON
- half-length mark
  → 0087 · middle dot

MODIFIER LETTER CENTRED RIGHT HALF RING
- more rounded articulation

MODIFIER LETTER CENTRED LEFT HALF RING
- less rounded articulation

MODIFIER LETTER UP TACK
- vowel raising or closing
  → 031D ² combining up tack below
  → 0323 ² combining dot below

MODIFIER LETTER DOWN TACK
- vowel lowering or opening
  → 031C ² combining left half ring below
  → 031E ² combining down tack below

MODIFIER LETTER PLUS SIGN
- advanced or fronted articulation
  → 031F ² combining plus sign below

MODIFIER LETTER MINUS SIGN
- retracted or backed articulation
- glyph may have small end-serifs
  → 0320 ² combining minus sign below
  → 2212 ² minus sign

Spacing clones of diacritics

BREVE
  → 0306 ˘ combining breve
  ≈ 0020  ² 0306 ²

DOT ABOVE
- Mandarin Chinese fifth tone (light or neutral)
  → 0307 ˘ combining dot above
  ≈ 0020  ² 0307 ²

RING ABOVE
- 0080 ˚ degree sign
  → 030A ˚ combining ring above
  ≈ 0020  ² 030A ²

OGONEK
  → 0328 ² combining ogonek
  ≈ 0020  ² 0328 ²

SMALL TILDE
  → 0078 ˜ tilde
  → 0303 ˜ combining tilde
  → 223C ˜ tilde operator
  ≈ 0020  ² 0303 ²

DOUBLE ACUTE ACCENT
  → 030B ³ combining double acute accent
  ≈ 0020  ² 030B ²

Additions based on 1989 IPA

MODIFIER LETTER RHOTIC HOOK
- rhotacization in vowel
  - often ligated: 025A ɹ = 0259 ɹ + 02DE ˒;
    025D ɻ = 025C ɻ + 02DE ˒

MODIFIER LETTER CROSS ACCENT
- Swedish grave accent

MODIFIER LETTER SMALL GAMMA
- these modifier letters are occasionally used in transcription of affricates
  ≈ <super> 0263 ɣ

MODIFIER LETTER SMALL L
  ≈ <super> 006C ɿ

MODIFIER LETTER SMALL S
  ≈ <super> 0073 ˢ

MODIFIER LETTER SMALL X
  ≈ <super> 0078 ˣ

MODIFIER LETTER SMALL REVERSED GLOTTAL STOP
  ≈ <super> 0295 ʃ

Tone letters

MODIFIER LETTER EXTRA-HIGH TONE BAR

MODIFIER LETTER HIGH TONE BAR
### Spacing Modifier Letters

- **02E7** - MODIFIER LETTER MID TONE BAR
- **02E8** - MODIFIER LETTER LOW TONE BAR
- **02E9** - MODIFIER LETTER EXTRA-LOW TONE BAR

#### Extended Bopomofo tone marks
- **02EA** - MODIFIER LETTER YIN DEPARTING TONE MARK
- **02EB** - MODIFIER LETTER YANG DEPARTING TONE MARK

#### IPA modifiers
- **02EC** - MODIFIER LETTER VOICING
- **02ED** - MODIFIER LETTER UNASPIRATED

#### Other modifier letter
- **02EE** - MODIFIER LETTER DOUBLE APOSTROPHE
  - Nenets

#### UPA modifiers
- **02EF** - MODIFIER LETTER LOW DOWN ARROWHEAD
- **02F0** - MODIFIER LETTER LOW UP ARROWHEAD
- **02F1** - MODIFIER LETTER LOW LEFT ARROWHEAD
- **02F2** - MODIFIER LETTER LOW RIGHT ARROWHEAD
- **02F3** - MODIFIER LETTER LOW RING
  - $\rightarrow 0325 \ $ combining ring below
- **02F4** - MODIFIER LETTER MIDDLE GRAVE ACCENT
- **02F5** - MODIFIER LETTER MIDDLE DOUBLE GRAVE ACCENT
- **02F6** - MODIFIER LETTER MIDDLE DOUBLE ACUTE ACCENT
- **02F7** - MODIFIER LETTER LOW TILDE
- **02F8** - MODIFIER LETTER RAISED COLON
- **02F9** - MODIFIER LETTER BEGIN HIGH TONE
- **02FA** - MODIFIER LETTER END HIGH TONE
- **02FB** - MODIFIER LETTER BEGIN LOW TONE
- **02FC** - MODIFIER LETTER END LOW TONE
- **02FD** - MODIFIER LETTER SHELF
- **02FE** - MODIFIER LETTER OPEN SHELF
- **02FF** - MODIFIER LETTER LOW LEFT ARROW