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 10.0

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

See http://www.unicode.org/charts/ for access to a complete list of the latest character code charts.
See http://www.unicode.org/charts/PDF/Unicode-10.0/ for charts showing only the characters added in Unicode 10.0.
See http://www.unicode.org/Public/10.0.0/charts/ for a complete archived file of character code charts for Unicode 10.0.

Disclaimer
These charts are provided as the online reference to the character contents of the Unicode Standard, Version 10.0 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 10.0, online at http://www.unicode.org/versions/Unicode10.0.0/, as well as Unicode Standard Annexes #9, #11, #14, #15, #24, #29, #31, #34, #38, #41, #42, #44, and #45, the other Unicode Technical Reports and Standards, and the Unicode Character Database, which are available online.

See http://www.unicode.org/ucd/ and http://www.unicode.org/reports/ for a thorough understanding of the information contained in these additional sources is required for a successful implementation.

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.


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.


Copyright © 1991-2017 Unicode, Inc. All rights reserved.
### Spacing Modifier Letters

<table>
<thead>
<tr>
<th>Unicode</th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><code>02B0</code></td>
<td><code>02B1</code></td>
<td><code>02B2</code></td>
<td><code>02B3</code></td>
<td><code>02B4</code></td>
<td><code>02B5</code></td>
</tr>
<tr>
<td><code>02B6</code></td>
<td><code>02B7</code></td>
<td><code>02B8</code></td>
<td><code>02B9</code></td>
<td><code>02BA</code></td>
<td><code>02BB</code></td>
</tr>
<tr>
<td><code>02BC</code></td>
<td><code>02BD</code></td>
<td><code>02BE</code></td>
<td><code>02BF</code></td>
<td><code>02C0</code></td>
<td><code>02C1</code></td>
</tr>
<tr>
<td><code>02C2</code></td>
<td><code>02C3</code></td>
<td><code>02C4</code></td>
<td><code>02C5</code></td>
<td><code>02C6</code></td>
<td><code>02C7</code></td>
</tr>
<tr>
<td><code>02C8</code></td>
<td><code>02C9</code></td>
<td><code>02CA</code></td>
<td><code>02CB</code></td>
<td><code>02CC</code></td>
<td><code>02CD</code></td>
</tr>
<tr>
<td><code>02CE</code></td>
<td><code>02CF</code></td>
<td><code>02D0</code></td>
<td><code>02D1</code></td>
<td><code>02D2</code></td>
<td><code>02D3</code></td>
</tr>
<tr>
<td><code>02D4</code></td>
<td><code>02D5</code></td>
<td><code>02D6</code></td>
<td><code>02D7</code></td>
<td><code>02D8</code></td>
<td><code>02D9</code></td>
</tr>
<tr>
<td><code>02DA</code></td>
<td><code>02DB</code></td>
<td><code>02DC</code></td>
<td><code>02DD</code></td>
<td><code>02DE</code></td>
<td><code>02DF</code></td>
</tr>
<tr>
<td><code>02E0</code></td>
<td><code>02E1</code></td>
<td><code>02E2</code></td>
<td><code>02E3</code></td>
<td><code>02E4</code></td>
<td><code>02E5</code></td>
</tr>
<tr>
<td><code>02E6</code></td>
<td><code>02E7</code></td>
<td><code>02E8</code></td>
<td><code>02E9</code></td>
<td><code>02EA</code></td>
<td><code>02EB</code></td>
</tr>
<tr>
<td><code>02EC</code></td>
<td><code>02ED</code></td>
<td><code>02EE</code></td>
<td><code>02EF</code></td>
<td><code>02F0</code></td>
<td><code>02F1</code></td>
</tr>
<tr>
<td><code>02F2</code></td>
<td><code>02F3</code></td>
<td><code>02F4</code></td>
<td><code>02F5</code></td>
<td><code>02F6</code></td>
<td><code>02F7</code></td>
</tr>
<tr>
<td><code>02F8</code></td>
<td><code>02F9</code></td>
<td><code>02FA</code></td>
<td><code>02FB</code></td>
<td><code>02FC</code></td>
<td><code>02FD</code></td>
</tr>
<tr>
<td><code>02FE</code></td>
<td><code>02FF</code></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Code</td>
<td>Description</td>
<td>Examples</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>-------</td>
<td>-------------</td>
<td>----------</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
| 02B0  | MODIFIER LETTER SMALL H | aspiration
|       | ≈ <super> 0068 h |
| 02B1  | MODIFIER LETTER SMALL H WITH HOOK | breathy voiced, murmured
|       | ≈ <super> 0266 ʰ |
| 02B2  | MODIFIER LETTER SMALL J | palatalization
|       | ≈ <super> 006A j |
| 02B3  | MODIFIER LETTER SMALL R | ≈ <super> 0072 r |
| 02B4  | MODIFIER LETTER SMALL TURNED R | ≈ <super> 0279 j |
| 02B5  | MODIFIER LETTER SMALL TURNED R WITH HOOK | ≈ <super> 027B j |
| 02B6  | MODIFIER LETTER SMALL CAPITAL INVERTED R | preceding four used for r-coloring or r-offglides
|       | ≈ <super> 0281 k |
| 02B7  | MODIFIER LETTER SMALL W | labialization
|       | ≈ <super> 0077 w |
| 02B8  | MODIFIER LETTER SMALL Y | palatalization
|       | ≈ <super> 0079 y |
| 02B9  | MODIFIER LETTER PRIME | primary stress, emphasis
|       | ≈ <super> 005E ‘ |
| 02B0  | MODIFIER LETTER DOUBLE PRIME | exaggerated stress, contrastive stress
|       | ≈ <super> 0022 ” |
| 02B1  | MODIFIER LETTER TURNED COMMA | typographical alternate for 02B0 ’ or 02B6 °
|       | ≈ <super> 001C , |
| 02B2  | MODIFIER LETTER APOSTROPHE | glottal stop, glottalization, ejective
|       | ≈ <super> 0027 ’ |
| 02B3  | MODIFIER LETTER REVERSED COMMA | transliteration of Arabic hanza (glottal stop)
|       | ≈ <super> 001C , |
| 02B4  | MODIFIER LETTER RIGHT HALF RING | transliteration of Hebrew alef
|       | ≈ <super> 0030 ־ |
| 02B5  | MODIFIER LETTER LEFT HALF RING | transliteration of Hebrew ayin
|       | ≈ <super> 0030 ׃ |
| 02B6  | MODIFIER LETTER GLOTTAL STOP | ejective or glottalized
|       | ≈ <super> 001C , |
| 02B7  | MODIFIER LETTER REVERSED GLOTTAL STOP | typographical alternate for 02B5 ’ or 02B6 °
|       | ≈ <super> 001C , |
| 02B8  | MODIFIER LETTER LEFT ARROWHEAD | fronted articulation
|       | ≈ <super> 0030 ׃ |
| 02B9  | MODIFIER LETTER RIGHT ARROWHEAD | backed articulation
|       | ≈ <super> 0030 ־ |
| 02B0  | MODIFIER LETTER UP ARROWHEAD | raised articulation
|       | ≈ <super> 005E ＾ |
| 02B1  | MODIFIER LETTER DOWN ARROWHEAD | lowered articulation
|       | ≈ <super> 005E ～ |

The Unicode Standard 10.0, Copyright © 1991-2017 Unicode, Inc. All rights reserved.
Spacing Modifier Letters

02C6  
- MODIFIER LETTER CIRCUMFLEX ACCENT  
  • rising-falling tone, falling tone, secondary stress, etc.
  → 005E  ^  circumflex accent
  → 0302  ˙  combining circumflex accent

02C7  
- CARON  
  • falling-rising tone
  • Mandarin Chinese third tone
  → 030C  ˝  combining caron

02C8  
- MODIFIER LETTER VERTICAL LINE  
  • primary stress, downstep
  • precedes letter or syllable modified
  → 0027  '  apostrophe
  → 030D  ʰ  combining vertical line above

02C9  
- MODIFIER LETTER MACRON  
  • high level tone
  • precedes or follows letter or syllable modified
  • Mandarin Chinese first tone
  → 00AF  ^= macron
  → 0304  =  combining macron

02CA  
- MODIFIER LETTER ACUTE ACCENT  
  • high-rising tone (IPA), high tone, primary stress
  • Mandarin Chinese second tone
  → 00B4  '  acute accent
  → 02B9  '  modifier letter prime
  → 0301  ̂  combining acute accent
  → 0374  ʾ  greek numeral sign
  → 0558  ̄  armenian emphasis mark

02CB  
- 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

02CC  
- MODIFIER LETTER LOW VERTICAL LINE  
  • secondary stress
  • precedes letter or syllable modified
  → 0329  ʾ  combining vertical line below

02CD  
- MODIFIER LETTER LOW MACRON  
  • low level tone
  → 005F  _  low line
  → 0331  ̃  combining macron below

02CE  
- MODIFIER LETTER LOW GRAVE ACCENT  
  • low-falling tone

02CF  
- MODIFIER LETTER LOW ACUTE ACCENT  
  • low-rising tone

02D0  
- MODIFIER LETTER TRIANGULAR COLON  
  • length mark
  → 003A  :  colon

02D1  
- MODIFIER LETTER HALF TRIANGULAR COLON  
  • half-length mark
  → 0087  ·  middle dot

02D2  
- MODIFIER LETTER CENTRED RIGHT HALF RING  
  • more rounded articulation

02D3  
- MODIFIER LETTER CENTRED LEFT HALF RING  
  • less rounded articulation

02D4  
- MODIFIER LETTER UP TACK  
  • vowel raising or closing
  → 031D  ˚  combining up tack below
  → 0323  ˛  combining dot below

02D5  
- MODIFIER LETTER DOWN TACK  
  • vowel lowering or opening
  → 031C  ˙  combining left half ring below
  → 031E  ⚽  combining down tack below

02D6  
- MODIFIER LETTER PLUS SIGN  
  • advanced or fronted articulation
  → 031F  ❼  combining plus sign below

02D7  
- MODIFIER LETTER MINUS SIGN  
  • retracted or backed articulation
  • glyph may have small end-senfs
  → 0320  ❼  combining minus sign below
  → 2212  °  minus sign

Spacing clones of diacritics

02D8  
- BREVE  
  → 0306  ̇  combining breve

02D9  
- DOT ABOVE  
  • Mandarin Chinese fifth tone (light or neutral)
  → 0307  ̆  combining dot above

02DA  
- RING ABOVE  
  → 00B0  ⁰  degree sign
  → 030A  ̊  combining ring above

02DB  
- OGONEK  
  → 0328  ̈  combining ogonek

02DC  
- SMALL TILDE  
  → 0078  ̧  tilde
  → 0303  ̨  combining tilde
  → 223C  ⃔  tilde operator

02DD  
- DOUBLE ACUTE ACCENT  
  → 030B  ̼  combining double acute accent

Additions based on 1989 IPA

02DE  
- MODIFIER LETTER RHOTIC HOOK  
  • rhotacization in vowel
  • often ligated: 025A  ꜞ  0259  ꜟ  + 02DE  Ꜳ; 025D  ꜟ  025C  ꜟ  02DE  Ꜳ

02DF  
- MODIFIER LETTER CROSS ACCENT  
  • Swedish grave accent

02E0  
- MODIFIER LETTER SMALL GAMMA  
  • these modifier letters are occasionally used in transcription of affricates
  ≈ <super> 0263  ʕ

02E1  
- MODIFIER LETTER SMALL L  
  ≈ <super> 006C  l

02E2  
- MODIFIER LETTER SMALL S  
  ≈ <super> 0073  s

02E3  
- MODIFIER LETTER SMALL X  
  ≈ <super> 0078  x

02E4  
- MODIFIER LETTER SMALL REVERSED GLOTTAL STOP  
  ≈ <super> 0295  Ꞅ

Tone letters

02E5  ꞅ  MODIFIER LETTER EXTRA-HIGH TONE BAR

02E6  Ꞇ  MODIFIER LETTER HIGH TONE BAR
<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>02E7</td>
<td>MODIFIER LETTER MID TONE BAR</td>
</tr>
<tr>
<td>02E8</td>
<td>MODIFIER LETTER LOW TONE BAR</td>
</tr>
<tr>
<td>02E9</td>
<td>MODIFIER LETTER EXTRA-LOW TONE BAR</td>
</tr>
</tbody>
</table>

**Extended Bopomofo tone marks**

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>02EA</td>
<td>MODIFIER LETTER YIN DEPARTING TONE MARK</td>
</tr>
<tr>
<td>02EB</td>
<td>MODIFIER LETTER YANG DEPARTING TONE MARK</td>
</tr>
</tbody>
</table>

**IPA modifiers**

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>02EC</td>
<td>MODIFIER LETTER VOICING</td>
</tr>
<tr>
<td>02ED</td>
<td>MODIFIER LETTER UNASPIRATED</td>
</tr>
</tbody>
</table>

**Other modifier letter**

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>02EE</td>
<td>MODIFIER LETTER DOUBLE APOSTROPHE</td>
</tr>
</tbody>
</table>

**UPA modifiers**

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>02EF</td>
<td>MODIFIER LETTER LOW DOWN ARROWHEAD</td>
</tr>
<tr>
<td>02F0</td>
<td>MODIFIER LETTER LOW UP ARROWHEAD</td>
</tr>
<tr>
<td>02F1</td>
<td>MODIFIER LETTER LOW LEFT ARROWHEAD</td>
</tr>
<tr>
<td>02F2</td>
<td>MODIFIER LETTER LOW RIGHT ARROWHEAD</td>
</tr>
<tr>
<td>02F3</td>
<td>MODIFIER LETTER LOW RING</td>
</tr>
<tr>
<td></td>
<td>→ 0325 ̥ combining ring below</td>
</tr>
<tr>
<td>02F4</td>
<td>MODIFIER LETTER MIDDLE GRAVE ACCENT</td>
</tr>
<tr>
<td>02F5</td>
<td>MODIFIER LETTER MIDDLE DOUBLE GRAVE ACCENT</td>
</tr>
<tr>
<td>02F6</td>
<td>MODIFIER LETTER MIDDLE DOUBLE ACUTE ACCENT</td>
</tr>
<tr>
<td>02F7</td>
<td>MODIFIER LETTER LOW TILDE</td>
</tr>
<tr>
<td>02F8</td>
<td>MODIFIER LETTER RAISED COLON</td>
</tr>
<tr>
<td>02F9</td>
<td>MODIFIER LETTER BEGIN HIGH TONE</td>
</tr>
<tr>
<td>02FA</td>
<td>MODIFIER LETTER END HIGH TONE</td>
</tr>
<tr>
<td>02FB</td>
<td>MODIFIER LETTER BEGIN LOW TONE</td>
</tr>
<tr>
<td>02FC</td>
<td>MODIFIER LETTER END LOW TONE</td>
</tr>
<tr>
<td>02FD</td>
<td>MODIFIER LETTER SHELF</td>
</tr>
<tr>
<td>02FE</td>
<td>MODIFIER LETTER OPEN SHELF</td>
</tr>
<tr>
<td>02FF</td>
<td>MODIFIER LETTER LOW LEFT ARROW</td>
</tr>
</tbody>
</table>