

## 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 5.1*.

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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-5.1/> for charts showing only the characters added in Unicode 5.1. See <http://www.unicode.org/Public/5.1.0/charts/> for a complete archived file of character code charts for Unicode 5.1.

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These charts are provided as the online reference to the character contents of the Unicode Standard, Version 5.1 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 5.0* (ISBN 0-321-48091-0), online at <http://www.unicode.org/versions/Unicode5.0.0/>, as well as Unicode Standard Annexes #9, #11, #14, #15, #24, #29, #31, #34, #38, #41, #42, and #44, 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/>

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

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See <http://www.unicode.org/pending/pending.html> and <http://www.unicode.org/alloc/Pipeline.html>.

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	02B	02C	02D	02E	02F
0	h 02B0	ʔ 02C0	˘ 02D0	Ÿ 02E0	ˆ 02F0
1	ħ 02B1	ƒ 02C1	˙ 02D1	l 02E1	< 02F1
2	ĵ 02B2	< 02C2	˘ 02D2	Œ 02E2	> 02F2
3	ŕ 02B3	> 02C3	˘ 02D3	X 02E3	◦ 02F3
4	Ĳ 02B4	ˆ 02C4	⊥ 02D4	ſ 02E4	˘ 02F4
5	Ĵ 02B5	∨ 02C5	⊥ 02D5	┘ 02E5	˘ 02F5
6	Ɔ 02B6	ˆ 02C6	+ 02D6	┘ 02E6	˘ 02F6
7	Ʊ 02B7	∨ 02C7	- 02D7	┘ 02E7	˘ 02F7
8	y 02B8	˘ 02C8	˘ 02D8	┘ 02E8	˘ 02F8
9	/ 02B9	- 02C9	˘ 02D9	┘ 02E9	˘ 02F9
A	˘ 02BA	/ 02CA	◦ 02DA	┘ 02EA	˘ 02FA
B	˘ 02BB	˘ 02CB	˘ 02DB	┘ 02EB	┘ 02FB
C	˘ 02BC	˘ 02CC	˘ 02DC	˘ 02EC	┘ 02FC
D	˘ 02BD	- 02CD	˘ 02DD	= 02ED	┘ 02FD
E	˘ 02BE	˘ 02CE	˘ 02DE	” 02EE	┘ 02FE
F	˘ 02BF	/ 02CF	X 02DF	˘ 02EF	← 02FF

**Latin superscript modifier letters**

02B0	h	MODIFIER LETTER SMALL H	<ul style="list-style-type: none"> <li>• aspiration</li> </ul> <p>≈ &lt;super&gt; 0068 h</p>
02B1	fi	MODIFIER LETTER SMALL H WITH HOOK	<ul style="list-style-type: none"> <li>• breathy voiced, murmured</li> </ul> <p>→ 0266 fi latin small letter h with hook</p> <p>→ 0324 ̈̇ combining diaeresis below</p> <p>≈ &lt;super&gt; 0266 fi</p>
02B2	j	MODIFIER LETTER SMALL J	<ul style="list-style-type: none"> <li>• palatalization</li> </ul> <p>→ 0321 ȷ combining palatalized hook below</p> <p>≈ &lt;super&gt; 006A j</p>
02B3	r	MODIFIER LETTER SMALL R	<p>≈ &lt;super&gt; 0072 r</p>
02B4	ɹ	MODIFIER LETTER SMALL TURNED R	<p>→ 0279 ɹ latin small letter turned r</p> <p>≈ &lt;super&gt; 0279 ɹ</p>
02B5	ɻ	MODIFIER LETTER SMALL TURNED R WITH HOOK	<p>→ 027B ɻ latin small letter turned r with hook</p> <p>≈ &lt;super&gt; 027B ɻ</p>
02B6	ɿ	MODIFIER LETTER SMALL CAPITAL INVERTED R	<ul style="list-style-type: none"> <li>• preceding four used for r-coloring or r-offglides</li> </ul> <p>→ 0281 ɿ latin letter small capital inverted r</p> <p>≈ &lt;super&gt; 0281 ɿ</p>
02B7	w	MODIFIER LETTER SMALL W	<ul style="list-style-type: none"> <li>• labialization</li> </ul> <p>→ 032B ̥ combining inverted double arch below</p> <p>≈ &lt;super&gt; 0077 w</p>
02B8	y	MODIFIER LETTER SMALL Y	<ul style="list-style-type: none"> <li>• palatalization</li> <li>• common Americanist usage for 02B2 j</li> </ul> <p>≈ &lt;super&gt; 0079 y</p>

**Miscellaneous phonetic modifiers**

02B9	ˈ	MODIFIER LETTER PRIME	<ul style="list-style-type: none"> <li>• primary stress, emphasis</li> <li>• transliteration of mjagkij znak (Cyrillic soft sign: palatalization)</li> </ul> <p>→ 0027 ˈ apostrophe</p> <p>→ 00B4 ˊ acute accent</p> <p>→ 02CA ˆ modifier letter acute accent</p> <p>→ 0301 ˆ combining acute accent</p> <p>→ 0374 ˆ greek numeral sign</p> <p>→ 2032 ˆ prime</p>
02BA	ˉ	MODIFIER LETTER DOUBLE PRIME	<ul style="list-style-type: none"> <li>• exaggerated stress, contrastive stress</li> <li>• transliteration of tverdyj znak (Cyrillic hard sign: no palatalization)</li> </ul> <p>→ 0022 ˉ quotation mark</p> <p>→ 030B ˆ combining double acute accent</p> <p>→ 2033 ˉ double prime</p>

02BB	ˆ	MODIFIER LETTER TURNED COMMA	<ul style="list-style-type: none"> <li>• typographical alternate for 02BD ˆ or 02BF ˆ</li> <li>• used in Hawai`ian orthography as `okina (glottal stop)</li> </ul> <p>→ 0312 ˆ combining turned comma above</p> <p>→ 07F5 ˆ nko low tone apostrophe</p> <p>→ 2018 ˆ left single quotation mark</p>
02BC	ˆ	MODIFIER LETTER APOSTROPHE	<p>= apostrophe</p> <ul style="list-style-type: none"> <li>• glottal stop, glottalization, ejective</li> <li>• many languages use this as a letter of their alphabets</li> <li>• used as a tone marker in Dogri (swarbal chinha)</li> <li>• used as a tone marker in Bodo (gojocoma)</li> <li>• used as a length marker in Maithili (pralamban chih)</li> <li>• 2019 ˆ is the preferred character for a punctuation apostrophe</li> </ul> <p>→ 0027 ˆ apostrophe</p> <p>→ 0313 ˆ combining comma above</p> <p>→ 0315 ˆ combining comma above right</p> <p>→ 055A ˆ armenian apostrophe</p> <p>→ 07F4 ˆ nko high tone apostrophe</p> <p>→ 1FBF ˆ greek psili</p> <p>→ 2019 ˆ right single quotation mark</p>
02BD	ˆ	MODIFIER LETTER REVERSED COMMA	<ul style="list-style-type: none"> <li>• weak aspiration</li> </ul> <p>→ 0314 ˆ combining reversed comma above</p> <p>→ 0559 ˆ armenian modifier letter left half ring</p> <p>→ 1FFE ˆ greek dasia</p> <p>→ 201B ˆ single high-reversed-9 quotation mark</p>
02BE	ˆ	MODIFIER LETTER RIGHT HALF RING	<ul style="list-style-type: none"> <li>• transliteration of Arabic hamza (glottal stop)</li> </ul> <p>→ 055A ˆ armenian apostrophe</p> <p>→ 0621 ˆ arabic letter hamza</p>
02BF	ˆ	MODIFIER LETTER LEFT HALF RING	<ul style="list-style-type: none"> <li>• transliteration of Arabic ain (voiced pharyngeal fricative)</li> </ul> <p>→ 0559 ˆ armenian modifier letter left half ring</p> <p>→ 0639 ˆ arabic letter ain</p>
02C0	ˆ	MODIFIER LETTER GLOTTAL STOP	<ul style="list-style-type: none"> <li>• ejective or glottalized</li> </ul> <ul style="list-style-type: none"> <li>• typographical alternate for 02BC ˆ or 02BE ˆ</li> </ul> <p>→ 0294 ˆ latin letter glottal stop</p> <p>→ 0309 ˆ combining hook above</p>
02C1	ˆ	MODIFIER LETTER REVERSED GLOTTAL STOP	<ul style="list-style-type: none"> <li>• typographical alternate for 02BF ˆ</li> </ul> <p>→ 0295 ˆ latin letter pharyngeal voiced fricative</p>
02C2	<	MODIFIER LETTER LEFT ARROWHEAD	<ul style="list-style-type: none"> <li>• fronted articulation</li> </ul>
02C3	>	MODIFIER LETTER RIGHT ARROWHEAD	<ul style="list-style-type: none"> <li>• backed articulation</li> </ul>
02C4	^	MODIFIER LETTER UP ARROWHEAD	<ul style="list-style-type: none"> <li>• raised articulation</li> </ul> <p>→ 005E ^ circumflex accent</p> <p>→ 2303 ^ up arrowhead</p>
02C5	v	MODIFIER LETTER DOWN ARROWHEAD	<ul style="list-style-type: none"> <li>• lowered articulation</li> </ul>

02C6	^	MODIFIER LETTER CIRCUMFLEX ACCENT
		• rising-falling tone, falling tone, secondary stress, etc.
		→ 005E ^ circumflex accent
		→ 0302 ̂ combining circumflex accent
		→ A788 ̂ modifier letter low circumflex accent
02C7	˘	CARON
		= hacek
		• falling-rising tone
		• Mandarin Chinese third tone
		→ 030C ̃ combining caron
02C8	ˊ	MODIFIER LETTER VERTICAL LINE
		• primary stress, downstep
		• precedes letter or syllable modified
		→ 0027 ˊ apostrophe
		→ 030D ˆ combining vertical line above
02C9	ˉ	MODIFIER LETTER MACRON
		• high level tone
		• precedes or follows letter or syllable modified
		• Mandarin Chinese first tone
		→ 00AF ˉ macron
		→ 0304 ˊ combining macron
02CA	ˋ	MODIFIER LETTER ACUTE ACCENT
		• high-rising tone (IPA), high tone, primary stress
		• Mandarin Chinese second tone
		→ 00B4 ˋ acute accent
		→ 02B9 ˋ modifier letter prime
		→ 0301 ˆ combining acute accent
		→ 0374 ˋ greek numeral sign
		→ 055B ˋ 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	ˋ	MODIFIER LETTER LOW VERTICAL LINE
		• secondary stress
		• precedes letter or syllable modified
		→ 0329 ˋ combining vertical line below
02CD	ˉ	MODIFIER LETTER LOW MACRON
		• low level tone
		→ 005F ˉ low line
		→ 0331 ˉ combining macron below
02CE	˘	MODIFIER LETTER LOW GRAVE ACCENT
		• low-falling tone
02CF	ˋ	MODIFIER LETTER LOW ACUTE ACCENT
		• low-rising tone
		→ 0375 ˋ greek lower numeral sign
02D0	:	MODIFIER LETTER TRIANGULAR COLON
		• length mark
		→ 003A : colon
02D1	˙	MODIFIER LETTER HALF TRIANGULAR COLON
		• half-length mark
		→ 00B7 ˙ 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 ◌̥ combining plus sign below
02D7	-	MODIFIER LETTER MINUS SIGN
		• retracted or backed articulation
		• glyph may have small end-serifs
		→ 0320 ◌̥ combining minus sign below
		→ 2212 - minus sign

### Spacing clones of diacritics

02D8	˘	BREVE
		→ 0306 ̆ combining breve
		≈ 0020 [SP] 0306 ̆
02D9	˙	DOT ABOVE
		• Mandarin Chinese fifth tone (light or neutral)
		→ 0307 ˙ combining dot above
		≈ 0020 [SP] 0307 ˙
02DA	°	RING ABOVE
		→ 00B0 ° degree sign
		→ 030A ◌̇ combining ring above
		≈ 0020 [SP] 030A ◌̇
02DB	◌̇	OGONEK
		→ 0328 ◌̇ combining ogonek
		≈ 0020 [SP] 0328 ◌̇
02DC	˜	SMALL TILDE
		→ 007E ~ tilde
		→ 0303 ◌̃ combining tilde
		→ 223C ~ tilde operator
		≈ 0020 [SP] 0303 ◌̃
02DD	˝	DOUBLE ACUTE ACCENT
		→ 030B ◌̈ combining double acute accent
		≈ 0020 [SP] 030B ◌̈

### Additions based on 1989 IPA

02DE	◌̥	MODIFIER LETTER RHOTIC HOOK
		• rhotacization in vowel
		• often ligated: 025A ɹ̥ = 0259 ɹ + 02DE ◌̥ ;
		025D ɹ̥ = 025C ɹ + 02DE ◌̥
02DF	×	MODIFIER LETTER CROSS ACCENT
		• Swedish grave accent
02E0	ʎ	MODIFIER LETTER SMALL GAMMA
		• these modifier letters are occasionally used in transcription of affricates
		≈ <sup> 0263 ʎ
02E1	ɺ	MODIFIER LETTER SMALL L
		≈ <sup> 006C ɺ
02E2	ɻ	MODIFIER LETTER SMALL S
		≈ <sup> 0073 ɻ
02E3	ɺ	MODIFIER LETTER SMALL X
		≈ <sup> 0078 ɺ

02E4 ̡ MODIFIER LETTER SMALL REVERSED  
 GLOTTAL STOP  
 ≈ <sup> 0295 ̡

### Tone letters

02E5 ̢ MODIFIER LETTER EXTRA-HIGH TONE BAR  
 02E6 ̣ MODIFIER LETTER HIGH TONE BAR  
 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  
 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