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 9.0

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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-9.0/ for charts showing only the characters added in Unicode 9.0.
See http://www.unicode.org/Public/9.0.0/charts/ for a complete archived file of character code charts for Unicode 9.0.

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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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	02B	02C	02D	02E	02F
0	ʰ 02B0	ˀ 02C0	ː 02D0	ˠ 02E0	˰ 02F0
1	ʱ 02B1	ˁ 02C1	ˑ 02D1	ˡ 02E1	˱ 02F1
2	ʲ 02B2	˂ 02C2	˒ 02D2	ˢ 02E2	˲ 02F2
3	ʳ 02B3	˃ 02C3	˓ 02D3	ˣ 02E3	˳ 02F3
4	ʴ 02B4	˄ 02C4	˔ 02D4	ˤ 02E4	˴ 02F4
5	ʵ 02B5	˅ 02C5	˕ 02D5	˥ 02E5	˵ 02F5
6	ʶ 02B6	ˆ 02C6	˖ 02D6	˦ 02E6	˶ 02F6
7	ʷ 02B7	ˇ 02C7	˗ 02D7	˧ 02E7	˷ 02F7
8	ʸ 02B8	ˈ 02C8	˘ 02D8	˨ 02E8	˸ 02F8
9	ʹ 02B9	ˉ 02C9	˙ 02D9	˩ 02E9	˹ 02F9
A	ʺ 02BA	ˊ 02CA	˚ 02DA	˪ 02EA	˺ 02FA
B	ʻ 02BB	ˋ 02CB	˛ 02DB	˫ 02EB	˻ 02FB
C	ʼ 02BC	ˌ 02CC	˜ 02DC	ˬ 02EC	˼ 02FC
D	ʽ 02BD	ˍ 02CD	˝ 02DD	˭ 02ED	˽ 02FD
E	ʾ 02BE	ˎ 02CE	˞ 02DE	ˮ 02EE	˾ 02FE
F	ʿ 02BF	ˏ 02CF	˟ 02DF	˯ 02EF	˿ 02FF

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Latin superscript modifier letters

→ 2071 ⁱ superscript latin small letter i
→ 207F ⁿ superscript latin small letter n

02B0 ʰ MODIFIER LETTER SMALL H
• aspiration
≈ <super> 0068 h

02B1 ɦ MODIFIER LETTER SMALL H WITH HOOK
• breathy voiced, murmured
→ 0266 ɦ latin small letter h with hook
→ 0324 ◌̤ combining diaeresis below
≈ <super> 0266 ɦ

02B2 ʲ MODIFIER LETTER SMALL J
• palatalization
→ 0321 ◌̡ combining palatalized hook below
≈ <super> 006A j

02B3 ʳ MODIFIER LETTER SMALL R
≈ <super> 0072 r

02B4 ʴ MODIFIER LETTER SMALL TURNED R
→ 0279 ɹ latin small letter turned r
≈ <super> 0279 ɹ

02B5 ʵ MODIFIER LETTER SMALL TURNED R WITH HOOK
→ 027B ɻ latin small letter turned r with hook
≈ <super> 027B ɻ

02B6 ʶ MODIFIER LETTER SMALL CAPITAL INVERTED R
• preceding four used for r-coloring or r-offglides
→ 0281 ʁ latin letter small capital inverted r
≈ <super> 0281 ʁ

02B7 ʷ MODIFIER LETTER SMALL W
• labialization
→ 032B ◌̫ combining inverted double arch below
≈ <super> 0077 w

02B8 ʸ MODIFIER LETTER SMALL Y
• palatalization
• common Americanist usage for 02B2 ʲ
≈ <super> 0079 y

Miscellaneous phonetic modifiers

02B9 ′ MODIFIER LETTER PRIME
• primary stress, emphasis
• transliteration of mjagkij znak (Cyrillic soft sign: palatalization)
• transliteration of Hebrew geresh
→ 0027 ' apostrophe
→ 00B4 ´ acute accent
→ 02CA ˊ modifier letter acute accent
→ 0301 ◌́ combining acute accent
→ 0374 ʹ greek numeral sign
→ 05F3 ׳ hebrew punctuation geresh
→ 2032 ′ prime

02BA ″ MODIFIER LETTER DOUBLE PRIME
• exaggerated stress, contrastive stress
• transliteration of tverdyj znak (Cyrillic hard sign: no palatalization)
→ 0022 " quotation mark
→ 030B ◌̋ combining double acute accent
→ 2033 ″ double prime

02BB ʻ MODIFIER LETTER TURNED COMMA
• typographical alternate for 02BD ʽ or 02BF ʿ
• used in Hawai`ian orthography as `okina (glottal stop)
→ 0312 ◌̒ combining turned comma above
→ 07F5 ʻ nko low tone apostrophe
→ 2018 ‘ left single quotation mark

02BC ʼ MODIFIER LETTER APOSTROPHE
= apostrophe
• glottal stop, glottalization, ejective
• many languages use this as a letter of their alphabets
• used as a tone marker in Bodo, Dogri, and Maithili
• 2019 ’ is the preferred character for a punctuation apostrophe
→ 0027 ' apostrophe
→ 0313 ◌̓ combining comma above
→ 0315 ◌̕ combining comma above right
→ 055A ՚ armenian apostrophe
→ 07F4 ʼ nko high tone apostrophe
→ 1FBF ᾿ greek psili
→ 2019 ’ right single quotation mark

02BD ʽ MODIFIER LETTER REVERSED COMMA
• weak aspiration
→ 0314 ◌̔ combining reversed comma above
→ 0559 ՙ armenian modifier letter left half ring
→ 1FFE ῾ greek dasia
→ 201B ‛ single high-reversed-9 quotation mark

02BE ʾ MODIFIER LETTER RIGHT HALF RING
• transliteration of Arabic hamza (glottal stop)
• transliteration of Hebrew alef
→ 055A ՚ armenian apostrophe
→ 05D0 א hebrew letter alef
→ 0621 ء arabic letter hamza

02BF ʿ MODIFIER LETTER LEFT HALF RING
• transliteration of Arabic ain (voiced pharyngeal fricative)
• transliteration of Hebrew ayin
→ 0559 ՙ armenian modifier letter left half ring
→ 05E2 ע hebrew letter ayin
→ 0639 ع arabic letter ain

02C0 ˀ MODIFIER LETTER GLOTTAL STOP
• ejective or glottalized
• typographical alternate for 02BC ʼ or 02BE ʾ
→ 0294 ʔ latin letter glottal stop
→ 0309 ◌̉ combining hook above

02C1 ˁ MODIFIER LETTER REVERSED GLOTTAL STOP
• typographical alternate for 02BF ʿ
→ 0295 ʕ latin letter pharyngeal voiced fricative

02C2 ˂ MODIFIER LETTER LEFT ARROWHEAD
• fronted articulation

02C3 ˃ MODIFIER LETTER RIGHT ARROWHEAD
• backed articulation

02C4 ˄ MODIFIER LETTER UP ARROWHEAD
• raised articulation
→ 005E ^ circumflex accent
→ 2303 ⌃ up arrowhead

02C5 ˅ MODIFIER LETTER DOWN ARROWHEAD
• lowered articulation

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02C6 ˆ MODIFIER LETTER CIRCUMFLEX ACCENT
- rising-falling tone, falling tone, secondary stress, etc.

→ 005E ^ circumflex accent
→ 0302 ◌̂ combining circumflex accent
→ A788 ꞈ modifier letter low circumflex accent

02C7 ˇ CARON
= hacek
- falling-rising tone
- Mandarin Chinese third tone

→ 030C ◌̌ combining caron

02C8 ˈ MODIFIER LETTER VERTICAL LINE
- primary stress, downstep
- precedes letter or syllable modified

→ 0027 ' apostrophe
→ 030D ◌̍ combining vertical line above

02C9 ˉ MODIFIER LETTER MACRON
- high level tone
- precedes or follows letter or syllable modified
- Mandarin Chinese first tone

→ 00AF ¯ macron
→ 0304 ◌̄ combining macron

02CA ˊ MODIFIER LETTER ACUTE ACCENT
- high-rising tone (IPA), high tone, primary stress
- Mandarin Chinese second tone

→ 00B4 ´ acute accent
→ 02B9 ʹ modifier letter prime
→ 0301 ◌́ combining acute accent
→ 0374 ʹ greek numeral sign
→ 055B ՛ armenian emphasis mark

02CB ˋ 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 ˌ MODIFIER LETTER LOW VERTICAL LINE
- secondary stress
- precedes letter or syllable modified

→ 0329 ◌̩ combining vertical line below

02CD ˍ MODIFIER LETTER LOW MACRON
- low level tone

→ 005F _ low line
→ 0331 ◌̱ combining macron below

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

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

→ 0375 ͵ greek lower numeral sign

02D0 ː MODIFIER LETTER TRIANGULAR COLON
- length mark

→ 003A : colon

02D1 ˑ 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 ɚ = 0259 ə + 02DE ˞; 025D ɝ = 025C ɜ + 02DE ˞

02DF ˟ MODIFIER LETTER CROSS ACCENT
- Swedish grave accent

02E0 ˠ MODIFIER LETTER SMALL GAMMA
- these modifier letters are occasionally used in transcription of affricates

≈ <super> 0263 ɣ

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

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

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

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

Tone letters

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

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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 ˬ MODIFIER LETTER VOICING
02ED ˭ MODIFIER LETTER UNASPIRATED

Other modifier letter

02EE ˮ 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

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