

Spacing Modifier Letters

Range: 02B0–02FF

The Unicode Standard, Version 4.0

This file contains an excerpt from the character code tables and list of character names for *The Unicode Standard, Version 4.0*.

Characters in this chart that are new for The Unicode Standard, Version 4.0 are shown in conjunction with any existing characters. For ease of reference, the new characters have been highlighted in the chart grid and in the names list.

This file will not be updated with errata, or when additional characters are assigned to the Unicode Standard. See <http://www.unicode.org/charts> for access to a complete list of the latest character charts.

Disclaimer

These charts are provided as the on-line reference to the character contents of the Unicode Standard, Version 4.0 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 excerpt file, please consult the appropriate sections of The Unicode Standard, Version 4.0 (ISBN 0-321-18578-1), as well as Unicode Standard Annexes #9, #11, #14, #15, #24 and #29, the other Unicode Technical Reports and the Unicode Character Database, which are available on-line.

See <http://www.unicode.org/Public/UNIDATA/UCD.html> and <http://www.unicode.org/unicode/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/unicode/alloc/Pipeline.html>.

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	02B	02C	02D	02E	02F
0	h 02B0	ʔ 02C0	◌̣ 02D0	Ÿ 02E0	^ 02F0
1	ħ 02B1	ƒ 02C1	◌̤ 02D1	ı 02E1	< 02F1
2	ĵ 02B2	< 02C2	◌̥ 02D2	ſ 02E2	> 02F2
3	ŕ 02B3	> 02C3	◌̦ 02D3	Ƨ 02E3	◌̧ 02F3
4	Ꝛ 02B4	^ 02C4	◌̨ 02D4	ſ 02E4	◌̩ 02F4
5	ꝛ 02B5	∨ 02C5	◌̩ 02D5	┐ 02E5	◌̪ 02F5
6	Ɓ 02B6	^ 02C6	+ 02D6	┐ 02E6	◌̫ 02F6
7	Ƶ 02B7	∨ 02C7	- 02D7	┐ 02E7	~ 02F7
8	Ʒ 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	× 02DF	◌̿ 02EF	◌̿ 02FF

Latin superscript modifier letters

- 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 ^ɾ MODIFIER LETTER SMALL R
 ≈ <super> 0072 r
- 02B4 ^ɿ MODIFIER LETTER SMALL TURNED R
 → 0279 ɿ latin small letter turned r
 ≈ <super> 0279 ɿ
- 02B5 ^{ɿ̣} MODIFIER LETTER SMALL TURNED R WITH HOOK
 → 027B ɿ̣ latin small letter turned r with hook
 ≈ <super> 027B ɿ̣
- 02B6 ^{ɿ̥} MODIFIER LETTER SMALL CAPITAL INVERTED R
 • preceding four used for r-coloring or r-offglides
 → 0281 ɿ̥ latin letter small capital inverted r
 ≈ <super> 0281 ɿ̥
- 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 ^ˈ MODIFIER LETTER PRIME
 • primary stress, emphasis
 • transliteration of mjagkij znak (Cyrillic soft sign: palatalization)
 → 0027 ' apostrophe
 → 00B4 ´ acute accent
 → 02CA ˆ modifier letter acute accent
 → 0301 ˆ combining acute accent
 → 0374 ʹ greek numeral sign
 → 2032 ʹ prime
- 02BA [˝] MODIFIER LETTER DOUBLE PRIME
 • exaggerated stress, contrastive stress
 • transliteration of tverdyj znak (Cyrillic hard sign: no palatalization)
 → 0022 " quotation mark
 → 030B ˆ combining double acute accent
 → 2033 ˝ double prime

- 02BB ^ˆ MODIFIER LETTER TURNED COMMA
 • typographical alternate for 02BD ^ˆ or 02BF ^ˆ
 → 0312 ˆ combining turned comma above
 → 2018 ˆ left single quotation mark
- 02BC ^ˆ MODIFIER LETTER APOSTROPHE
 = apostrophe
 • glottal stop, glottalization, ejective
 • spacing clone of Greek smooth breathing mark
 • many languages use this as a letter of their alphabets
 → 0027 ' apostrophe
 → 0313 ˆ combining comma above
 → 0315 ˆ combining comma above right
 → 055A ˆ armenian apostrophe
 → 2019 ˆ right single quotation mark
- 02BD ^ˆ MODIFIER LETTER REVERSED COMMA
 • weak aspiration
 • spacing clone of Greek rough breathing mark
 → 0314 ˆ combining reversed comma above
 → 0559 ˆ armenian modifier letter left half ring
 → 201B ˆ single high-reversed-9 quotation mark
- 02BE ^ˆ MODIFIER LETTER RIGHT HALF RING
 • transliteration of Arabic hamza (glottal stop)
 → 055A ˆ armenian apostrophe
 → 0621 ˆ arabic letter hamza
- 02BF ^ˆ MODIFIER LETTER LEFT HALF RING
 • transliteration of Arabic ain (voiced pharyngeal fricative)
 → 0559 ˆ armenian modifier letter left half ring
 → 0639 ˆ arabic letter ain
- 02C0 ^ˆ MODIFIER LETTER GLOTTAL STOP
 • ejective or glottalized
 • typographical alternate for 02BC ^ˆ or 02BE ^ˆ
 → 0294 ʔ latin letter glottal stop
 → 0309 ˆ combining hook above
- 02C1 ^ˆ MODIFIER LETTER REVERSED GLOTTAL STOP
 • typographical alternate for 02BF ^ˆ
 → 0295 ʔ 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

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

02C7 ∨ CARON
 = hacek
 • 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 ∂ 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 ´ greek numeral sign
 → 055B ´ 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 ∂ 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
 → 0375 , 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 ˆ 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

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 ˆ DOUBLE ACUTE ACCENT
 → 030B ˆ combining double acute accent
 ≈ 0020 [sp] 030B ˆ

Additions based on 1989 IPA

02DE	˘	MODIFIER LETTER RHOTIC HOOK	02F6	◌̥	MODIFIER LETTER MIDDLE DOUBLE ACUTE ACCENT
		• rhotacization in vowel	02F7	◌̃	MODIFIER LETTER LOW TILDE
		• often ligated: 025A ɶ = 0259 ɶ + 02DE ˘ ;	02F8	◌̈	MODIFIER LETTER RAISED COLON
		025D ɶ = 025C ɶ + 02DE ˘	02F9	◌̉	MODIFIER LETTER BEGIN HIGH TONE
02DF	×	MODIFIER LETTER CROSS ACCENT	02FA	◌̊	MODIFIER LETTER END HIGH TONE
		• Swedish grave accent	02FB	◌̋	MODIFIER LETTER BEGIN LOW TONE
02E0	ʸ	MODIFIER LETTER SMALL GAMMA	02FC	◌̌	MODIFIER LETTER END LOW TONE
		• these modifier letters are occasionally used	02FD	◌̍	MODIFIER LETTER SHELF
		in transcription of affricates	02FE	◌̎	MODIFIER LETTER OPEN SHELF
		≈ <super> 0263 ɣ	02FF	◌̏	MODIFIER LETTER LOW LEFT ARROW
02E1	ɭ	MODIFIER LETTER SMALL L			
		≈ <super> 006C ɭ			
02E2	ˢ	MODIFIER LETTER SMALL S			
		≈ <super> 0073 ˢ			
02E3	ˣ	MODIFIER LETTER SMALL X			
		≈ <super> 0078 ˣ			
02E4	ɀ	MODIFIER LETTER SMALL REVERSED GLOTTAL STOP			
		≈ <super> 0295 ɀ			

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
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