

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 3.0*.

Disclaimer

The shapes of the reference glyphs used in these code charts are not prescriptive. Considerable variation is to be expected in actual fonts.

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 3.0* (ISBN 0–201–61633–5), as well as the Unicode Technical Reports and the Unicode Character Database, which are available online.

See <ftp://ftp.unicode.org/Public/UNIDATA/UnicodeCharacterDatabase.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.

Fonts

The fonts used in these charts were provided to the Unicode Consortium by a number of different font designers

See <http://www.unicode.org/unicode/uni2book/u2fonts.html> for a list.

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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	
1	ĥ 02B1	ƒ 02C1	◌̤ 02D1	ı 02E1	
2	ĵ 02B2	< 02C2	◌̥ 02D2	š 02E2	
3	ŗ 02B3	> 02C3	◌̦ 02D3	Ẋ 02E3	
4	Ĳ 02B4	∧ 02C4	◌̧ 02D4	ƒ 02E4	
5	Ĵ 02B5	∨ 02C5	◌̨ 02D5	⌋ 02E5	
6	Ɔ 02B6	^ 02C6	+ 02D6	⌋ 02E6	
7	Ʊ 02B7	∨ 02C7	- 02D7	⌋ 02E7	
8	Ʒ 02B8	ˆ 02C8	◌̩ 02D8	⌋ 02E8	
9	/ 02B9	- 02C9	• 02D9	⌋ 02E9	
A	// 02BA	/ 02CA	◌̪ 02DA	⌋ 02EA	
B	‘ 02BB	˘ 02CB	◌̫ 02DB	⌋ 02EB	
C	, 02BC	˙ 02CC	~ 02DC	◌̬ 02EC	
D	◌̭ 02BD	- 02CD	// 02DD	= 02ED	
E	◌̮ 02BE	˚ 02CE	◌̯ 02DE	” 02EE	
F	◌̰ 02BF	/ 02CF	× 02DF		

Phonetic modifiers derived from Latin letters

02B0	h	MODIFIER LETTER SMALL H	02BA	"	MODIFIER LETTER DOUBLE PRIME
		• aspiration			• exaggerated stress, contrastive stress
		≈ <super> 0068 h			• transliteration of tverdyj znak (Cyrillic hard sign: no palatalization)
02B1	fi	MODIFIER LETTER SMALL H WITH HOOK			→ 0022 " quotation mark
		• breathy voiced, murmured			→ 030B ̈́ combining double acute accent
		→ 0266 fi latin small letter h with hook			→ 2033 " double prime
		→ 0324 ̈́ combining diaeresis below	02BB	ˆ	MODIFIER LETTER TURNED COMMA
		≈ <super> 0266 fi			• typographical alternate for 02BD ˆ or 02BF ˆ
02B2	j	MODIFIER LETTER SMALL J			→ 0312 ˆ combining turned comma above
		• palatalization			→ 2018 ˆ left single quotation mark
		→ 0321 ǰ combining palatalized hook below	02BC	’	MODIFIER LETTER APOSTROPHE
		≈ <super> 006A j			= apostrophe
02B3	r	MODIFIER LETTER SMALL R			• glottal stop, glottalization, ejective
		≈ <super> 0072 r			• spacing clone of Greek smooth breathing mark
02B4	ɹ	MODIFIER LETTER SMALL TURNED R			• many languages use this as a letter of their alphabets
		→ 0279 ɹ latin small letter turned r			→ 0027 ’ apostrophe
		≈ <super> 0279 ɹ			→ 0313 ˆ combining comma above
02B5	ɹ̣	MODIFIER LETTER SMALL TURNED R WITH HOOK			→ 0315 ˆ combining comma above right
		→ 027B ɹ̣ latin small letter turned r with hook			→ 055A ’ armenian apostrophe
		≈ <super> 027B ɹ̣			→ 2019 ’ right single quotation mark
02B6	ɿ	MODIFIER LETTER SMALL CAPITAL INVERTED R	02BD	ˆ	MODIFIER LETTER REVERSED COMMA
		• preceding four used for r-coloring or r-offglides			• weak aspiration
		→ 0281 ɿ latin letter small capital inverted r			• spacing clone of Greek rough breathing mark
		≈ <super> 0281 ɿ			→ 0314 ˆ combining reversed comma above
02B7	w	MODIFIER LETTER SMALL W			→ 0559 ˆ armenian modifier letter left half ring
		• labialization			→ 201B ˆ single high-reversed-9 quotation mark
		→ 032B ̥ combining inverted double arch below	02BE	ʁ	MODIFIER LETTER RIGHT HALF RING
		≈ <super> 0077 w			• transliteration of Arabic hamza (glottal stop)
02B8	y	MODIFIER LETTER SMALL Y			→ 055A ’ armenian apostrophe
		• palatalization			→ 0621 ʁ arabic letter hamza
		• common Americanist substitution for 02B2 j	02BF	ˆ	MODIFIER LETTER LEFT HALF RING
		≈ <super> 0079 y			• transliteration of Arabic ain (voiced pharyngeal fricative)

Miscellaneous phonetic modifiers

02B9	ˈ	MODIFIER LETTER PRIME	02C0	ʔ	MODIFIER LETTER GLOTTAL STOP
		• primary stress, emphasis			• ejective or glottalized
		• transliteration of mjagkij znak (Cyrillic soft sign: palatalization)			• typographical alternate for 02BC ’ or 02BE ʁ
		→ 0027 ’ apostrophe			→ 0294 ʔ latin letter glottal stop
		→ 00B4 ˆ acute accent			→ 0309 ˆ combining hook above
		→ 02CA ˆ modifier letter acute accent	02C1	ˆ	MODIFIER LETTER REVERSED GLOTTAL STOP
		→ 0301 ˆ combining acute accent			• typographical alternate for 02BF ˆ
		→ 0374 ˆ greek numeral sign			→ 0295 ʔ latin letter pharyngeal voiced fricative
		→ 2032 ˆ prime	02C2	<	MODIFIER LETTER LEFT ARROWHEAD
					• fronted articulation

02C3 >	MODIFIER LETTER RIGHT ARROWHEAD	02CE \	MODIFIER LETTER LOW GRAVE ACCENT
	• backed articulation		• low-falling tone
02C4 ^	MODIFIER LETTER UP ARROWHEAD	02CF /	MODIFIER LETTER LOW ACUTE ACCENT
	• raised articulation		• low-rising tone
	→ 005E ^ circumflex accent		→ 0375 , greek lower numeral sign
	→ 2303 ^ up arrowhead		
02C5 v	MODIFIER LETTER DOWN ARROWHEAD	02D0 :	MODIFIER LETTER TRIANGULAR COLON
	• lowered articulation		• length mark
			→ 003A : colon
02C6 ^	MODIFIER LETTER CIRCUMFLEX ACCENT	02D1 .	MODIFIER LETTER HALF TRIANGULAR COLON
	• rising-falling tone, falling tone, secondary stress, etc.		• half-length mark
	→ 005E ^ circumflex accent		→ 00B7 • middle dot
	→ 0302 ô combining circumflex accent		
02C7 v	CARON	02D2 ›	MODIFIER LETTER CENTRED RIGHT HALF RING
	= hacek		• more rounded articulation
	• falling-rising tone		
	• Mandarin Chinese third tone	02D3 ‹	MODIFIER LETTER CENTRED LEFT HALF RING
	→ 030C ǝ combining caron		• less rounded articulation
02C8 ′	MODIFIER LETTER VERTICAL LINE	02D4 †	MODIFIER LETTER UP TACK
	• primary stress, downstep		• vowel raising or closing
	• precedes letter or syllable modified		→ 031D ◌ combining up tack below
	→ 0027 ′ apostrophe		→ 0323 ◌ combining dot below
	→ 030D ◌ combining vertical line above	02D5 ‡	MODIFIER LETTER DOWN TACK
02C9 ¯	MODIFIER LETTER MACRON		• vowel lowering or opening
	• high level tone		→ 031C ◌ combining left half ring below
	• precedes or follows letter or syllable modified		→ 031E ◌ combining down tack below
	• Mandarin Chinese first tone	02D6 †	MODIFIER LETTER PLUS SIGN
	→ 00AF ¯ macron		• advanced or fronted articulation
	→ 0304 ̄ combining macron		→ 031F ◌ combining plus sign below
02CA ´	MODIFIER LETTER ACUTE ACCENT	02D7 -	MODIFIER LETTER MINUS SIGN
	• high-rising tone (IPA), high tone, primary stress		• retracted or backed articulation
	• Mandarin Chinese second tone		• glyph may have small end-serifs
	→ 00B4 ´ acute accent		→ 0320 ◌ combining minus sign below
	→ 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	02DA °	RING ABOVE
	→ 055D ` armenian comma		→ 00B0 ° degree sign
			→ 030A ◌ combining ring above
			≈ 0020 [SP] 030A ◌
02CC ˇ	MODIFIER LETTER LOW VERTICAL LINE	02DB †	OGONEK
	• secondary stress		→ 0328 ◌ combining ogonek
	• precedes letter or syllable modified		≈ 0020 [SP] 0328 ◌
	→ 0329 ◌ combining vertical line below	02DC ~	SMALL TILDE
02CD _	MODIFIER LETTER LOW MACRON		→ 007E ~ tilde
	• low level tone		→ 0303 ̃ combining tilde
	→ 005F _ low line		→ 223C ~ tilde operator
	→ 0331 ◌ combining macron below		≈ 0020 [SP] 0303 ̃

Spacing clones of diacritics

02D8 ˇ	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 ǿ combining double acute accent
 ≈ 0020 [SP] 030B ǿ

Additions based on 1989 IPA

02DE ˇ MODIFIER LETTER RHOTIC HOOK
 • rhotacization in vowel
 • often ligated: 025A ǻ = 0259 ə + 02DE ˇ ;
 025D ǻ = 025C ɜ + 02DE ˇ

02DF × MODIFIER LETTER CROSS ACCENT
 • Swedish grave accent

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

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

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

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

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

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 letters

02EE ʹ MODIFIER LETTER DOUBLE
 APOSTROPHE
 • Nenets