

## Phonetic Extensions

Range: 1D00–1D7F

### DRAFT The Unicode Standard, Version 16.0 BETA REVIEW

This file contains an excerpt from the character code tables and list of character names for *DRAFT The Unicode Standard, Version 16.0 BETA REVIEW*

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

See <https://www.unicode.org/charts/> for access to a complete list of the latest character code charts. See <https://www.unicode.org/charts/PDF/Unicode-15.1/> for charts showing only the characters added in Unicode 15.1. See <https://www.unicode.org/Public/15.1.0/charts/> for a complete archived file of character code charts for Unicode 15.1. See <https://www.unicode.org/charts/About.html#Conventions> for conventions used in these code charts, and other general information.

### Disclaimer

These charts are provided as the online reference to the character contents of the Unicode Standard, Version 15.1 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 15.1, online at <https://www.unicode.org/versions/Unicode15.1.0/>, as well as Unicode Standard Annexes #9, #11, #14, #15, #24, #29, #31, #34, #38, #41, #42, #44, #45, and #50, the other Unicode Technical Reports and Standards, and the Unicode Character Database, which are available online.

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

See <https://www.unicode.org/charts/About.html> for more information concerning the conventions and symbols used in these code charts.

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	1D0	1D1	1D2	1D3	1D4	1D5	1D6	1D7
0	À 1D00	Á 1D10	Â 1D20	Ä 1D30	Å 1D40	æ 1D50	ø 1D60	ŕ 1D70
1	Æ 1D01	Ō 1D11	Ŵ 1D21	Ɛ 1D31	Ɔ 1D41	ŋ 1D51	χ 1D61	Ɔ 1D71
2	æ 1D02	Œ 1D12	Ʒ 1D22	Ǝ 1D32	Ɔ 1D42	o 1D52	i 1D62	ƒ 1D72
3	Ɓ 1D03	Ɔ 1D13	Ʒ 1D23	Ɔ 1D33	ɑ 1D43	ɔ 1D53	r 1D63	ƒ 1D73
4	Ɔ 1D04	œ 1D14	Ʒ 1D24	Ɔ 1D34	ɐ 1D44	ˆ 1D54	u 1D64	Ɔ 1D74
5	Ɔ 1D05	Ɔ 1D15	Ɔ 1D25	Ɔ 1D35	ɑ 1D45	˘ 1D55	v 1D65	Ɔ 1D75
6	Ɔ 1D06	ˆ 1D16	Ɔ 1D26	Ɔ 1D36	æ 1D46	p 1D56	β 1D66	Ɔ 1D76
7	Ɔ 1D07	˘ 1D17	Λ 1D27	Ɔ 1D37	b 1D47	t 1D57	γ 1D67	Ɔ 1D77
8	Ɔ 1D08	Ɔ 1D18	Π 1D28	Ɔ 1D38	d 1D48	u 1D58	ρ 1D68	Ɔ 1D78
9	Ɔ 1D09	Ɔ 1D19	Ɔ 1D29	Ɔ 1D39	e 1D49	˘ 1D59	φ 1D69	Ɔ 1D79
A	Ɔ 1D0A	Ɔ 1D1A	Ɔ 1D2A	Ɔ 1D3A	ə 1D4A	ɯ 1D5A	χ 1D6A	th 1D7A
B	Ɔ 1D0B	Ɔ 1D1B	Ɔ 1D2B	Ɔ 1D3B	ε 1D4B	v 1D5B	œ 1D6B	Ɔ 1D7B
C	Ɔ 1D0C	Ɔ 1D1C	Ɔ 1D2C	Ɔ 1D3C	ɜ 1D4C	˘ 1D5C	Ɔ 1D6C	Ɔ 1D7C
D	Ɔ 1D0D	˘ 1D1D	Ɔ 1D2D	Ɔ 1D3D	g 1D4D	β 1D5D	Ɔ 1D6D	Ɔ 1D7D
E	Ɔ 1D0E	˘ 1D1E	Ɔ 1D2E	Ɔ 1D3E	Ɔ 1D4E	γ 1D5E	Ɔ 1D6E	Ɔ 1D7E
F	Ɔ 1D0F	Ɔ 1D1F	Ɔ 1D2F	Ɔ 1D3F	k 1D4F	δ 1D5F	Ɔ 1D6F	Ɔ 1D7F

These are non-IPA phonetic extensions, mostly for the Uralic Phonetic Alphabet (UPA).

The small capitals, superscript, and subscript forms are for phonetic representations where style variations are semantically important.

For general text, use regular Latin, Greek or Cyrillic letters with markup instead.

#### Latin letters

1D00	À	LATIN LETTER SMALL CAPITAL A
1D01	Æ	LATIN LETTER SMALL CAPITAL AE
1D02	Ǽ	LATIN SMALL LETTER TURNED AE • glyph can also have sideways orientation
1D03	Ɓ	LATIN LETTER SMALL CAPITAL BARRED B → 0243 Ɓ latin capital letter b with stroke
1D04	Ĉ	LATIN LETTER SMALL CAPITAL C
1D05	Ċ	LATIN LETTER SMALL CAPITAL D
1D06	Ɖ	LATIN LETTER SMALL CAPITAL ETH
1D07	Ɛ	LATIN LETTER SMALL CAPITAL E
1D08	Ʒ	LATIN SMALL LETTER TURNED OPEN E → 025C Ʒ latin small letter reversed open e → 1D4C Ʒ modifier letter small turned open e
1D09	İ	LATIN SMALL LETTER TURNED I
1D0A	Ĵ	LATIN LETTER SMALL CAPITAL J
1D0B	Ƙ	LATIN LETTER SMALL CAPITAL K → 0138 Ƙ latin small letter kra → 043A Ƙ cyrillic small letter ka
1D0C	Ł	LATIN LETTER SMALL CAPITAL L WITH STROKE
1D0D	ᄀ	LATIN LETTER SMALL CAPITAL M
1D0E	ƚ	LATIN LETTER SMALL CAPITAL REVERSED N → 0438 ƚ cyrillic small letter i → 1D3B ƚ modifier letter capital reversed n
1D0F	Ɔ	LATIN LETTER SMALL CAPITAL O
1D10	Ɔ	LATIN LETTER SMALL CAPITAL OPEN O → 0254 Ɔ latin small letter open o → 2184 Ɔ latin small letter reversed c
1D11	Ɔ	LATIN SMALL LETTER SIDeways O
1D12	Ɔ	LATIN SMALL LETTER SIDeways OPEN O
1D13	Ɔ	LATIN SMALL LETTER SIDeways O WITH STROKE
1D14	Ǿ	LATIN SMALL LETTER TURNED OE • glyph can also have sideways orientation
1D15	Ɔ	LATIN LETTER SMALL CAPITAL OU
1D16	Ɔ	LATIN SMALL LETTER TOP HALF O
1D17	Ɔ	LATIN SMALL LETTER BOTTOM HALF O
1D18	Ɔ	LATIN LETTER SMALL CAPITAL P • represents a semi-voiced [p] → 1D29 Ɔ greek letter small capital rho
1D19	Ɔ	LATIN LETTER SMALL CAPITAL REVERSED R
1D1A	Ɔ	LATIN LETTER SMALL CAPITAL TURNED R
1D1B	Ɔ	LATIN LETTER SMALL CAPITAL T → 0442 Ɔ cyrillic small letter te
1D1C	Ɔ	LATIN LETTER SMALL CAPITAL U
1D1D	Ɔ	LATIN SMALL LETTER SIDeways U
1D1E	Ɔ	LATIN SMALL LETTER SIDeways DIAERESIZED U • glyph can also have turned orientation
1D1F	Ɔ	LATIN SMALL LETTER SIDeways TURNED M
1D20	Ɔ	LATIN LETTER SMALL CAPITAL V
1D21	Ɔ	LATIN LETTER SMALL CAPITAL W
1D22	Ɔ	LATIN LETTER SMALL CAPITAL Z
1D23	Ɔ	LATIN LETTER SMALL CAPITAL EZH → 04E1 Ɔ cyrillic small letter abkhasian dze

1D24	Ɔ	LATIN LETTER VOICED LARYNGEAL SPIRANT
1D25	Ɔ	LATIN LETTER AIN → 0639 Ɔ arabic letter ain → A725 Ɔ latin small letter egyptological ain

#### Greek letters

An additional Greek small capital letter is at AB65.

1D26	Ɔ	GREEK LETTER SMALL CAPITAL GAMMA
1D27	Ɔ	GREEK LETTER SMALL CAPITAL LAMDA
1D28	Ɔ	GREEK LETTER SMALL CAPITAL PI
1D29	Ɔ	GREEK LETTER SMALL CAPITAL RHO • represents a voiceless uvular trill → 1D18 Ɔ latin letter small capital p
1D2A	Ɔ	GREEK LETTER SMALL CAPITAL PSI

#### Cyrillic letter

1D2B	Ɔ	CYRILLIC LETTER SMALL CAPITAL EL • in italic style, the glyph is obliqued, not italicized → 043B Ɔ cyrillic small letter el
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#### Latin superscript modifier letters

See also superscript Latin letters in the Spacing Modifier Letters block starting at 02B0.

1D2C	Ɔ	MODIFIER LETTER CAPITAL A ≈ <super> 0041 A
1D2D	Ɔ	MODIFIER LETTER CAPITAL AE ≈ <super> 00C6 Æ
1D2E	Ɔ	MODIFIER LETTER CAPITAL B ≈ <super> 0042 B
1D2F	Ɔ	MODIFIER LETTER CAPITAL BARRED B
1D30	Ɔ	MODIFIER LETTER CAPITAL D ≈ <super> 0044 D
1D31	Ɔ	MODIFIER LETTER CAPITAL E ≈ <super> 0045 E
1D32	Ɔ	MODIFIER LETTER CAPITAL REVERSED E ≈ <super> 018E Ɔ
1D33	Ɔ	MODIFIER LETTER CAPITAL G ≈ <super> 0047 G
1D34	Ɔ	MODIFIER LETTER CAPITAL H ≈ <super> 0048 H A typographical distinction between a capital form and a small capital form is not distinctive for this character in IPA usage. • voiceless epiglottalized release (extended IPA) → 029C Ɔ latin letter small capital h → 1D78 Ɔ modifier letter cyrillic en
1D35	Ɔ	MODIFIER LETTER CAPITAL I ≈ <super> 0049 I
1D36	Ɔ	MODIFIER LETTER CAPITAL J ≈ <super> 004A J
1D37	Ɔ	MODIFIER LETTER CAPITAL K ≈ <super> 004B K
1D38	Ɔ	MODIFIER LETTER CAPITAL L ≈ <super> 004C L
1D39	Ɔ	MODIFIER LETTER CAPITAL M ≈ <super> 004D M
1D3A	Ɔ	MODIFIER LETTER CAPITAL N ≈ <super> 004E N
1D3B	Ɔ	MODIFIER LETTER CAPITAL REVERSED N
1D3C	Ɔ	MODIFIER LETTER CAPITAL O ≈ <super> 004F O
1D3D	Ɔ	MODIFIER LETTER CAPITAL OU ≈ <super> 0222 8

1D3E	<sup>P</sup>	MODIFIER LETTER CAPITAL P ≈ <sup> 0050 P
1D3F	<sup>R</sup>	MODIFIER LETTER CAPITAL R ≈ <sup> 0052 R
1D40	<sup>T</sup>	MODIFIER LETTER CAPITAL T ≈ <sup> 0054 T
1D41	<sup>U</sup>	MODIFIER LETTER CAPITAL U ≈ <sup> 0055 U
1D42	<sup>W</sup>	MODIFIER LETTER CAPITAL W ≈ <sup> 0057 W
1D43	<sup>a</sup>	MODIFIER LETTER SMALL A ≈ <sup> 0061 a
1D44	<sup>ʁ</sup>	MODIFIER LETTER SMALL TURNED A ≈ <sup> 0250 ʁ
1D45	<sup>α</sup>	MODIFIER LETTER SMALL ALPHA ≈ <sup> 0251 α
1D46	<sup>æ</sup>	MODIFIER LETTER SMALL TURNED AE ≈ <sup> 1D02 æ
1D47	<sup>b</sup>	MODIFIER LETTER SMALL B ≈ <sup> 0062 b
1D48	<sup>d</sup>	MODIFIER LETTER SMALL D ≈ <sup> 0064 d
1D49	<sup>e</sup>	MODIFIER LETTER SMALL E ≈ <sup> 0065 e
1D4A	<sup>ə</sup>	MODIFIER LETTER SMALL SCHWA ≈ <sup> 0259 ə
1D4B	<sup>ɛ</sup>	MODIFIER LETTER SMALL OPEN E ≈ <sup> 025B ɛ
1D4C	<sup>ɜ</sup>	MODIFIER LETTER SMALL TURNED OPEN E • more appropriate equivalence would be to 1D08 ɜ ≈ <sup> 025C ɜ
1D4D	<sup>g</sup>	MODIFIER LETTER SMALL G ≈ <sup> 0067 g
1D4E	<sup>ɨ</sup>	MODIFIER LETTER SMALL TURNED I
1D4F	<sup>k</sup>	MODIFIER LETTER SMALL K ≈ <sup> 006B k
1D50	<sup>m</sup>	MODIFIER LETTER SMALL M ≈ <sup> 006D m
1D51	<sup>ŋ</sup>	MODIFIER LETTER SMALL ENG ≈ <sup> 014B ŋ
1D52	<sup>o</sup>	MODIFIER LETTER SMALL O ≈ <sup> 006F o
1D53	<sup>ɔ</sup>	MODIFIER LETTER SMALL OPEN O ≈ <sup> 0254 ɔ
1D54	<sup>◌̎</sup>	MODIFIER LETTER SMALL TOP HALF O ≈ <sup> 1D16 ◌̎
1D55	<sup>◌̍</sup>	MODIFIER LETTER SMALL BOTTOM HALF O ≈ <sup> 1D17 ◌̍
1D56	<sup>p</sup>	MODIFIER LETTER SMALL P ≈ <sup> 0070 p
1D57	<sup>t</sup>	MODIFIER LETTER SMALL T ≈ <sup> 0074 t
1D58	<sup>u</sup>	MODIFIER LETTER SMALL U ≈ <sup> 0075 u
1D59	<sup>ɥ</sup>	MODIFIER LETTER SMALL SIDEWAYS U ≈ <sup> 1D1D ɥ
1D5A	<sup>ʍ</sup>	MODIFIER LETTER SMALL TURNED M ≈ <sup> 026F ʍ
1D5B	<sup>v</sup>	MODIFIER LETTER SMALL V ≈ <sup> 0076 v

1D5C	<sup>*</sup>	MODIFIER LETTER SMALL AIN → A725 ʕ latin small letter egyptological ain ≈ <sup> 1D25 *
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**Greek superscript modifier letters**

1D5D	<sup>β</sup>	MODIFIER LETTER SMALL BETA ≈ <sup> 03B2 β
1D5E	<sup>γ</sup>	MODIFIER LETTER SMALL GREEK GAMMA ≈ <sup> 03B3 γ
1D5F	<sup>δ</sup>	MODIFIER LETTER SMALL DELTA ≈ <sup> 03B4 δ
1D60	<sup>φ</sup>	MODIFIER LETTER SMALL GREEK PHI ≈ <sup> 03C6 φ
1D61	<sup>χ</sup>	MODIFIER LETTER SMALL CHI ≈ <sup> 03C7 χ

**Latin subscript modifier letters**

1D62	<sub>i</sub>	LATIN SUBSCRIPT SMALL LETTER I ≈ <sub> 0069 i
1D63	<sub>r</sub>	LATIN SUBSCRIPT SMALL LETTER R ≈ <sub> 0072 r
1D64	<sub>u</sub>	LATIN SUBSCRIPT SMALL LETTER U ≈ <sub> 0075 u
1D65	<sub>v</sub>	LATIN SUBSCRIPT SMALL LETTER V ≈ <sub> 0076 v

**Greek subscript modifier letters**

1D66	<sub>β</sub>	GREEK SUBSCRIPT SMALL LETTER BETA ≈ <sub> 03B2 β
1D67	<sub>γ</sub>	GREEK SUBSCRIPT SMALL LETTER GAMMA ≈ <sub> 03B3 γ
1D68	<sub>ρ</sub>	GREEK SUBSCRIPT SMALL LETTER RHO ≈ <sub> 03C1 ρ
1D69	<sub>φ</sub>	GREEK SUBSCRIPT SMALL LETTER PHI ≈ <sub> 03C6 φ
1D6A	<sub>χ</sub>	GREEK SUBSCRIPT SMALL LETTER CHI ≈ <sub> 03C7 χ

**Latin letter for American lexicography**

1D6B	ʉ	LATIN SMALL LETTER UE
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**Latin letters with middle tilde**

*Additional letters with middle tilde are found in other blocks.*

		→ 026B † latin small letter l with middle tilde
		→ AB68 ‡ latin small letter turned r with middle tilde
1D6C	ɸ	LATIN SMALL LETTER B WITH MIDDLE TILDE
1D6D	ɹ̃	LATIN SMALL LETTER D WITH MIDDLE TILDE
1D6E	ƒ̃	LATIN SMALL LETTER F WITH MIDDLE TILDE
1D6F	ɱ̃	LATIN SMALL LETTER M WITH MIDDLE TILDE
1D70	ɳ̃	LATIN SMALL LETTER N WITH MIDDLE TILDE
1D71	ɹ̃	LATIN SMALL LETTER P WITH MIDDLE TILDE
1D72	ʀ̃	LATIN SMALL LETTER R WITH MIDDLE TILDE
1D73	ʀ̃	LATIN SMALL LETTER R WITH FISHHOOK AND MIDDLE TILDE
1D74	ʂ̃	LATIN SMALL LETTER S WITH MIDDLE TILDE
1D75	ʈ̃	LATIN SMALL LETTER T WITH MIDDLE TILDE
1D76	ʐ̃	LATIN SMALL LETTER Z WITH MIDDLE TILDE

**Letters for Caucasian linguistics**

1D77	Თ	LATIN SMALL LETTER TURNED G • Georgian transcription → 10F9 Თ georgian letter turned gan
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- 1D78 <sup>h</sup> MODIFIER LETTER CYRILLIC EN
- sometimes substituted for 1D34 <sup>h</sup> in extended IPA
  - 1D34 <sup>h</sup> modifier letter capital h
  - ≈ <super> 043D **И**

#### Other phonetic symbols

- 1D79 **Ḡ** LATIN SMALL LETTER INSULAR G
- older Irish phonetic notation
  - uppercase is A77D **Ḡ**
  - 0067 **g** latin small letter g
  - 021D **ḡ** latin small letter yogh
  - 0261 **ḡ** latin small letter script g
  - 0263 **ḡ** latin small letter gamma
  - A7D1 **ḡ** latin small letter closed insular g
- 1D7A **ṡ** LATIN SMALL LETTER TH WITH STRIKETHROUGH
- American dictionary usage
  - 03B8 **ṡ** greek small letter theta
- 1D7B **ı̇** LATIN SMALL CAPITAL LETTER I WITH STROKE
- used with different meanings by Americanists and Oxford dictionaries
  - 0197 **ı̇** latin capital letter i with stroke
- 1D7C **ı̈** LATIN SMALL LETTER IOTA WITH STROKE
- used by Russianists
- 1D7D **ṑ** LATIN SMALL LETTER P WITH STROKE
- used by Americanists
  - uppercase is 2C63 **ṑ**
- 1D7E **ı̆** LATIN SMALL CAPITAL LETTER U WITH STROKE
- used by Americanists
  - 0289 **ı̆** latin small letter u bar
- 1D7F **ı̇** LATIN SMALL LETTER UPSILON WITH STROKE
- used by Americanists and Oxford dictionaries