

Extracted from the STEDT Font Reference Version 4.6 1

Alphanumerics

Char Keystroke Description Decimal

[0] 0 zero 48
[1] 1 one 49
[2] 2 two 50
[3] 3 three 51
[4] 4 four 52
[5] 5 five 53
[6] 6 six 54
[7] 7 seven 55
[8] 8 eight 56
[9] 9 nine 57
[a] a pl low front vowel 97
[A] sh-a uppercase a 65
[ɐ] opt-u + e pl higher-low central vowel 145
[ɑ] opt-a pl low back vowel 140
[ɒ] sh-opt-a rd low back vowel 129
[æ] opt-e + a pl higher-low front vowel 135
[ʌ] opt-grave + sh-a pl low central vowel 203
[ʌ] sh-opt-o pl lower-mid back vowel 175
[ʌ̃] opt-grave + u tone category "A" 157
[b] b bilabial stop, vcd 98
[B] sh-b uppercase b 66
[ɸ] opt-b bilabial stop, implosive 186
[β] sh-opt-p bilabial fricative, vcd 184
[β̃] opt-grave + i tone category "B" 147
[c] c palatal stop, vless 99
[C] sh-c uppercase c 67
[ɔ] opt-o rd lower-mid back vowel 191
[ç] opt-c palatal fricative, vless 141
[ç̣] opt-k prepalatal fricative, vless 251
[ç̣̃] opt-e + u tone category "C" 156
[ç̣̃̃] opt-i + e tone mark checked (raised c) 144
[d] d alveolar stop, vcd 100
[D] sh-d uppercase d 68
[Đ] Đ (grave) uppercase bar D (Vietnamese) 96
[đ] sh-opt-b lowercase bar d (Vietnamese) 245
[ɖ] sh-opt-d prepalatal stop, vcd 182
[ɖ̃] opt-n + sh-n palatal stop, vcd (Karlsgren only) 132
[ɖ̣] sh-opt-d retroflex stop, vcd 235
[ð] sh-opt-f interdental fricative, vcd 236
[e] e pl higher-mid front vowel 101
[E] sh-e uppercase e 69
[ə] opt-h pl mid central vowel (=schwa) 250
[p̚] # + sh-4 raised schwa 36

[ə̣] sh-opt-4 syllabic retroflex sonorant 221
 [E] opt-grave + e pl mid front vowel 143
 [ɛ] sh-opt-r1 pl lower-mid front vowel 228
 [f] f labiodental fricative, vless 102
 [F] sh-f uppercase f 70
 [j] sh-opt-c palatal stop, vcd 130
 [g] g velar stop, vcd 103
 [G] sh-g uppercase g 71
 [ɣ] opt-g velar fricative, vcd (◦[ɣ]) 169
 [ɣ] opt-grave + sh-i2 pl higher-mid back vowel (◦[ɣ]) 237
 [h] h glottal fricative, vless 104
 [H] sh-h uppercase h 72
 [p^h] # + opt-" pl aspirant h 190
 [ɦ] sh-opt-? glottal fricative, vcd 192
 [p^ɦ] # + sh-opt-1 breathy-aspirant h 218
 [ɥ] opt-i + sh-u3 syllabic alveolar fricative, rd 243
 [ʰ] sh-opt-h high-tone category 238
 [i] i pl high front vowel 105
 [I] sh-i uppercase i 73
 [ɪ] opt-i + i pl high front vowel ("dotless") 148
 [ɨ] opt-e+sh-e + opt-u+i pl high central vowel
 [ɨ̣] opt-u + i pl high central vowel ("dotless") 149
 [ɪ] opt-grave + sh-e4 pl lower-high front vowel 233
 [ɨ̣] opt-u+ u + sh-opt-i pl lower-high central vowel
 [j] j palatal approximant 106
 [J] sh-j uppercase j 74
 [j] sh-opt-c palatal stop, vcd 130
 [ɹ] opt-z syllabic alveolar fricative, pl 189
 [ɻ] opt-y syllabic retroflex fricative, pl 180
 [k] k velar stop, vless 107
 [K] sh-k uppercase k 75
 [l] l alveolar lateral, vcd 108
 [L] sh-l uppercase l 76
 [ɬ] opt-u + sh-u + l bar-l [Coblin only]
 [ɮ] opt-l alveolar lateral, vless 194
 [ɭ] sh-opt-) prepalatal lateral 226
 [ɮ̣] sh-opt-l low-tone category 241
 [t͡ɬ] opt-n + sh-a lateral affricate 204
 [m] m bilabial nasal 109
 [M] sh-m uppercase m 77
 [ɱ] opt-m labiodental nasal 181
 [u] opt-w pl high back vowel 183
 [ʷ] sh-opt-n5 mid-tone category 247
 [n] n alveolar nasal 110
 [N] sh-n uppercase n 78
 [ɲ̃] sh-~ + n palatal nasal (alternate form)

[ŋ] opt-, prepalatal nasal 178
 [ɲ] sh-opt-< palatal nasal (IPA) 248
 [ŋ] opt-> velar nasal, vcd 179
 [ɳ] sh-opt-> retroflex nasal 249
 [N] sh-opt-i6 uvular nasal 246
 [o] o rd higher-mid back vowel 111
 [O] sh-o uppercase o 79
 [ø] opt-u + u + o rd higher-mid central vowel
 [θ] opt-f interdental fricative, vless 196
 [ø] opt-u + o rd higher-mid front vowel 154
 [œ] opt-e + o rd higher-low front vowel 151
 [ɔ] opt-o rd lower-mid back vowel 191
 [ɒ] opt-grave + o rd mid back vowel 152
 [ə] opt-u + sh-u + opt-grave + o rd mid central vowel
 [p] p bilabial stop, vless 112
 [P] sh-p uppercase p 80
 [ɸ] opt-p bilabial fricative, vless 185
 [q] q uvular stop, vless 113
 [Q] sh-q uppercase q 81
 [r] r alveolar trill 114
 [R] sh-r uppercase r 82
 [ʀ] opt-u + sh-u + r bar-r [Coblin only]
 [ɾ] sh-6 alveolar tap 94
 [ɹ] sh-5 post-alveolar approximant 37
 [ɻ] sh-opt-3 retroflex approximant 220
 [ʷ] # + sh-opt-5 retroflex mark (for vowels) 222
 [ʀ] sh-opt-7 uvular trill 224
 [ɣ] opt-grave + sh-u7 uvular fricative, vcd 244
 [s] s alveolar fricative, vcd 115
 [S] sh-s uppercase s 83
 [ʃ] opt-r retroflex fricative, vless 168
 [ʂ] opt-i + u stopped-tone category 158
 [ʃ] opt-j post-alveolar fricative, vless 198
 [ɻ] opt-y syllabic retroflex fricative, pl 180
 [t] t alveolar stop, vcd 116
 [T] sh-t uppercase t 84
 [t̪] opt-t prepalatal stop, vless 160
 [t̪] opt-n + n palatal stop, vless [Karlsgren only] 150
 [t̪] opt-i + E8 retroflex stop, vless 230
 [θ] opt-f interdental fricative, vless 196
 [u] u rd high back vowel 117
 [U] sh-u uppercase u 85
 [ʉ] opt-u + sh-u + u rd high central vowel
 [u] opt-u + sh-e9 rd lower-high back vowel 232
 [ʉ] opt-u + sh-u + sh-opt-u rd lower-high central vowel
 [v] v labiodental fricative, vcd 118

[V] sh-v uppercase v 86
 [v] sh-opt-w labiodental approximant 227
 [ʌ] sh-opt-o pl lower-mid back vowel 175
 [C_{vL}] # + opt-v vless consonant-category 195
 [C_{vD}] # + sh-opt-v voiced consonant-category 215
 [w] w labiovelar approximant 119
 [W] sh-w uppercase w 87
 [ŋ^w] # + opt-u + sh-o raised w 133
 [u] opt-w pl high back vowel 183
 [x] x velar fricative, vless 120
 [X] sh-x uppercase x 88
 [χ] opt-x uvular fricative, vless 197
 [y] y rd high front vowel 121
 [Y] sh-y uppercase y 89
 [ɻ] opt-u + y rd lower-high front vowel 216
 [ɥ] sh-opt-z syllabic alveolar fricative, rd 243
 [z] z alveolar fricative, vcd 122
 [Z] sh-z uppercase z 90
 [ʒ] sh-opt-k prepalatal fricative, vcd 240
 [ʒ̣] sh-opt-m10 retroflex fricative, vcd 229
 [ʒ̥] sh-opt-j post-alveolar fricative, vcd 239
 [ʔ] opt-? glottal stop 214

Diacritics

Char Keystroke Description Decimal

[̄] sh-opt-- + # macron (over) 209
 [̅] sh-- + # macron (under) (=underscore) 95
 [̃] opt-u + u + # high tilde [Devanagari] 159
 [̈] opt-u + sh-u + # cross-bar 134
 [̆] sh-opt-2 + # bridge (over) 219
 [̇] sh-2 + # bridge (under) 64
 [̣] opt-s + # syllabicity mark (under) 167
 [̤] # + sh-opt-s syllabicity mark (after) 234
 [̆] opt-e + sh-e + # dot (over) [NIPA] 131
 [̇] opt-e + e + # dot (under) [NIPA] 142
 [̈] opt-u + sh-y + #11 umlaut [NIPA] 217
 [ː] # + sh-opt-: length mark 242
 [ˑ] # + sh-opt-" turned comma [NIPA] 174
 [ˑ] sh-opt-6 apostrophe 223
 [̆] sh-opt-] + # ring (over) 213
 [̇] opt-] + # ring (under) 212
 [̃] sh-~ + # tilde (over) 126
 [ˆ] sh-backslash + # acute accent [NIPA] 124
 [˘] backslash + # grave accent [NIPA] 92
 [ˆ] sh-opt-t12 + # high accent grave (above other diacritics) 255
 [ˆ] sh-opt-z13 + # high accent acute (above other diacritics) 252

[â] sh-opt-q + # high left accent acute (above circumflex) 206
 [á] sh-opt-9 + # high right accent grave (above circumflex) 225
 [ã] opt-n a + # high slanted tilde (above other diacritics) 139
 [ư] # + opt-e + i Vietnamese hook for u and o 146
 [ã] # + sh-opt-y Vietnamese hỏi tone 231
 [ã] sh-opt-e + #14 high hỏi (above breve) 171
 [ã] opt-q + # high right hỏi (above circumflex) 207
 [ô] sh-opt-backslash + # circumflex [NIPA] 200
 [ô] opt-backslash + # wedge [NIPA] 199
 [ô] sh-opt-[+ # breve mark (over) 211
 [ô] opt-[+ # breve mark (under) 210

Punctuation

Char Keystroke Description Decimal

[] space 32
 [!] ! exclamation point 33
 ["] " " quote (double) 34
 ['] ' ' quote (single) 39
 [(] (left paren 40
 [)]) right paren 41
 [[] [left bracket 91
 []]] right bracket 93
 [{] { left curly bracket 123
 [}] } right curly bracket 125
 [␣] opt-spacebar non-breaking space 202
 [*] * asterisk 42
 [+] + plus 43
 [#] # # 35
 [,] , comma 44
 [-] - hyphen (dash) 45
 [.] . period 46
 [/] / slash-(forward) 47
 [:] : colon 58
 [;] ; semicolon 59
 [?] ? question mark 63

Tone Marks

Char Keystroke Description Decimal

[1] opt-1 tone-mark 1 193
 [2] opt-2 tone-mark 2 170
 [3] opt-3 tone-mark 3 163
 [4] opt-4 tone-mark 4 162
 [5] opt-5 tone-mark 5 176
 [6] opt-6 tone-mark 6 164
 [7] opt-7 tone-mark 7 166
 [8] opt-8 tone-mark 8 165

[°] opt-9 tone-mark 9 187
 [º] opt-0 tone-mark 0 188
 [˘] opt-grave + a high open tone mark [NIPA] 136
 [˙] opt-i + a high stopped tone mark [NIPA] 137
 [˘] sh-opt-8 low stopped tone mark [NIPA] 161
 [˘] sh-opt-u15 low open tone mark [NIPA] 172
 [˘] opt-i + e tone mark checked (raised c) 144
 [ˆ] opt-grave + u tone category "A" 157
 [ˆ] opt-grave + i tone category "B" 147
 [ˆ] opt-e + u tone category "C" 156
 [ˆ] sh-opt-h high-tone category 238
 [ˆ] sh-opt-m mid-tone category 247
 [ˆ] opt-i + u stopped-tone category 158
 [ˆ] sh-opt-l low-tone category 241

Special Use Characters

Char Keystroke Description Decimal

[«] opt-u + a left double-arrow 138
 [»] opt-u + sh-a right double-arrow 128
 [√] opt-; root sign 201
 [a~b] sh-opt-= + # alternation sign 177
 [a≍b] sh-7 allofam sign 38
 [a⋄b] opt-= STEDT "superdelimiter" 173
 [a=b] = equals 61
 [ç] opt-- + # reverse cedilla 208
 [<] < less-than 60
 [>] > greater-than 62
 [ʘ] sh-opt-g16 may be a co-allofam of 253
 [✱] sh-opt-x17 not a co-allofam of 254
 [·] opt-i + o middle dot 153
 also glottal onset [Karlgrén only]
 [Ø] opt-n + o linguistic zero 155
 [i] opt-n + sh-o STEDT "overriding delimiter" 205

(2) BYTE ORDER INDEX

Decimal Char Keystroke

32 []
 33 [!] !
 34 ["] "
 35 [#] #
 36 [p°] # + sh-4
 37 [i] sh-5
 38 [a≍b] sh-7
 39 ['] '

40 [((

41 [)])

42 [*]

43 [+]

44 [,]

45 [-]

46 [.]

47 [/]

48 [0]

49 [1]

50 [2]

51 [3]

52 [4]

53 [5]

54 [6]

55 [7]

56 [8]

57 [9]

58 [:]

59 [;]

60 [<]

61 [a=b]

62 [>]

63 [?]

64 [d] sh-2 + #

65 [A] sh-a

66 [B] sh-b

67 [C] sh-c

68 [D] sh-d

69 [E] sh-e

70 [F] sh-f

71 [G] sh-g

72 [H] sh-h

73 [I] sh-i

74 [J] sh-j

75 [K] sh-k

76 [L] sh-l

77 [M] sh-m

78 [N] sh-n

79 [O] sh-o

80 [P] sh-p

81 [Q] sh-q

82 [R] sh-r

83 [S] sh-s

84 [T] sh-t

85 [U] sh-u

86 [V] sh-v
87 [W] sh-w
88 [X] sh-x
89 [Y] sh-y
90 [Z] sh-z
91 [[] [
92 [à] backslash + #
93 []]
94 [r] sh-6
95 [à] sh-- + #
96 [Đ] Đ (grave)
97 [a] a
98 [b] b
99 [c] c
100 [d] d
101 [e] e
102 [f] f
103 [g] g
104 [h] h
105 [i] i
106 [j] j
107 [k] k
108 [l] l
109 [m] m
110 [n] n
111 [o] o
112 [p] p
113 [q] q
114 [r] r
115 [s] s
116 [t] t
117 [u] u
118 [v] v
119 [w] w
120 [x] x
121 [y] y
122 [z] z
123 [{] {
124 [á] sh-backslash + #
125 [}] }
126 [ã] sh-~ + #
128 [»] opt-u + sh-a
129 [o] sh-opt-a
130 [j] sh-opt-c
131 [ñ] opt-e + sh-e + #
132 [đ] opt-n + sh-n

133 [ŋ^w] # + opt-u + sh-o
 134 [ɥ] opt-u + sh-u
 135 [æ] opt-e + a
 136 [˘] opt-grave + a
 137 [ˆ] opt-i + a
 138 [«] opt-u + a
 139 [ǎ] opt-n a + #
 140 [ɑ] opt-a (◦[a])
 141 [ç] opt-c
 142 [ŋ] opt-e + e + #
 143 [ɛ] opt-grave + e
 144 [ɛ̇] opt-i + e
 145 [ɐ] opt-u + e
 146 [ɹ] # + opt-e + i
 147 [ʙ] opt-grave + i
 148 [ɪ] opt-i + i
 149 [ɨ] opt-u + i
 150 [ɪ̇] opt-n + n
 151 [œ] opt-e + o
 152 [ɔ̇] opt-grave + o
 153 [ɔ̇] opt-i + o
 154 [ø] opt-u + o
 155 [Ø] opt-n + o
 156 [ɕ] opt-e + u
 157 [ʌ] opt-grave + u
 158 [ʂ] opt-i + u
 159 [ʉ] opt-u + u
 160 [t] opt-t
 161 [ʌ̇] sh-opt-8
 162 [ʌ̇] opt-4
 163 [ʌ̇] opt-3
 164 [ʌ̇] opt-6
 165 [ʌ̇] opt-8
 166 [ʌ̇] opt-7
 167 [ɱ] opt-s + #
 168 [ʂ] opt-r
 169 [ɣ] opt-g
 170 [ʌ̇] opt-2
 171 [ǎ] sh-opt-e + #18
 172 [ʌ̇] sh-opt-u19
 173 [a◦b] opt=
 174 [p˘] # + sh-opt-"
 175 [ʌ] sh-opt-o
 176 [ʂ] opt-5
 177 [a~b] sh-opt-= + #
 178 [ɳ] opt-,

179 [ŋ] opt->
180 [ɹ] opt-y
181 [m] opt-m
182 [d] sh-opt-d
183 [w] opt-w
184 [β] sh-opt-p
185 [φ] opt-p
186 [b] opt-b
187 [ʔ] opt-9
188 [ʔ] opt-0
189 [ɹ] opt-z
190 [pʰ] # + opt-"
191 [ɔ] opt-o
192 [ɦ] sh-opt-?
193 [l] opt-l
194 [ʔ] opt-l
195 [C_{vL}] # + opt-v
196 [θ] opt-f
197 [χ] opt-x
198 [ʃ] opt-j
199 [ə] opt-backslash + #
200 [ə] sh-opt-backslash
201 [√] opt-;
202 [s] opt-spacebar
203 [A] opt-grave + sh-a
204 [k] opt-n + sh-a
205 [i] opt-n + sh-o
206 [â] sh-opt-q + #
207 [ã] opt-q + #
208 [ç] opt-- + #
209 [ɿ] sh-opt-- + #
210 [ə] opt-[+ #
211 [ə] sh-opt-[+ #
212 [ə] opt-] + #
213 [ə] sh-opt-] + #
214 [ʔ] opt-?
215 [C_{vD}] # + sh-opt-v
216 [Y] opt-u + y
217 [ə] opt-u + sh-y + #20
218 [pʰ] # + sh-opt-1
219 [ɿ] sh-opt-2 + #
220 [r] sh-opt-3
221 [ə] sh-opt-4
222 [ʔ] # + sh-opt-5
223 [ʔ] sh-opt-6
224 [R] sh-opt-7

225 [á] sh-opt-9 + #
226 [l] sh-opt-)
227 [v] sh-opt-w
228 [ε] sh-opt-r21
229 [z] sh-opt-m22
230 [t] opt-i + sh-e23
231 [å] sh-opt-y + #
232 [u] opt-u + sh-e24
233 [i] opt-grave + sh-e25
234 [ŋ] # + sh-opt-s
235 [d] sh-opt-d
236 [ð] sh-opt-f
237 [x] opt-Ð + sh-i26
238 [ʰ] sh-opt-h
239 [ʒ] sh-opt-j
240 [z] sh-opt-k
241 [ˀ] sh-opt-l
242 [ə:] # + sh-opt-:
243 [y] opt-i + sh-u27
244 [ɤ] opt-grave + sh-u28
245 [ɖ] sh-opt-b
246 [N] sh-opt-i29
247 [M] sh-opt-n30
248 [ɲ] sh-opt-<
249 [ŋ] sh-opt->
250 [ə] opt-h
251 [c] opt-k
252 [ã] sh-opt-z + #31
253 [ʔʔ] sh-opt-g32
254 [ʔ] sh-opt-x33
255 [á] sh-opt-t34